

Cover Page

Order ID : Q1327

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number

Q1327-01
Q1327-02
Q1327-03
Q1327-04
Q1327-05
Q1327-06
Q1327-07
Q1327-08
Q1327-09

Client Sample Number

VPB192-HYD-20250204
BP-VPB-192-TB-20250203
BP-VPB-192-DUP-20250204
BP-VPB-192-GW-520-522
BP-VPB-192-GW-540-542
BP-VPB-192-GW-560-562
BP-VPB-192-GW-580-582
BP-VPB-192-GW-600-602
BP-VPB-192-GW-625-627

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

Signature : _____

Date: 2/15/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: CTO WE13

Project Manager# Ernie Wu

Chemtech Project # Q1327

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

9 Water samples were received on 02/06/2025.

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 met the requirements .

The Tuning criteria met requirements.

Samples BP-VPB-192-GW-600-602 was diluted due to both vials needed to be combined to make one vial to run at dilution on instrument as Vials contained much sediment.

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.



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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.

The Sample #BP-VPB-192-GW-540-542 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

For this sample#BP-VPB-192-GW-580-582, all four vials needed to combined to make one vial to run on instrument.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

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

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

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1327

MATRIX: Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Initial Calibration method (82X021025W.M) for Chloroethane is passing on Quadratic Regression. The Continuous Calibration met the requirements.			✓
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 BP-VPB-192-GW-600-602 was diluted due to both vials needed to be combined to make one vial to run at dilution on instrument as Vials contained much sediment.

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

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

NA NO YES

Samples 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.

The Sample #BP-VPB-192-GW-540-542 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

For this sample#BP-VPB-192-GW-580-582, all four vials needed to combined to make one vial to run on instrument.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1327

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 02/15/2025

LAB CHRONICLE

OrderID:	Q1327	OrderDate:	2/6/2025 4:19:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	CTO WE13
Contact:	Ernie Wu	Location:	N41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1327-01	VPB192-HYD-20250204	Water			02/04/25			02/06/25
			VOCMS Group1	8260-Low			02/11/25	
Q1327-02	BP-VPB-192-TB-20250203	Water			02/03/25			02/06/25
			VOCMS Group1	8260-Low			02/11/25	
Q1327-03	BP-VPB-192-DUP-20250204	Water			02/04/25			02/06/25
			VOCMS Group1	8260-Low			02/11/25	
Q1327-04	BP-VPB-192-GW-520-522	Water			02/03/25			02/06/25
			VOCMS Group1	8260-Low			02/11/25	
Q1327-05	BP-VPB-192-GW-540-542	Water			02/04/25			02/06/25
			VOCMS Group1	8260-Low			02/11/25	
Q1327-06	BP-VPB-192-GW-560-562	Water			02/04/25			02/06/25
			VOCMS Group1	8260-Low			02/11/25	
Q1327-07	BP-VPB-192-GW-580-582	Water			02/04/25			02/06/25
			VOCMS Group1	8260-Low			02/11/25	
Q1327-08	BP-VPB-192-GW-600-602	Water			02/05/25			02/06/25
			VOCMS Group1	8260-Low			02/11/25	
Q1327-09	BP-VPB-192-GW-625-627	Water			02/05/25			02/06/25
			VOCMS Group1	8260-Low			02/11/25	

Hit Summary Sheet
SW-846

SDG No.: Q1327

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	VPB192-HYD-20250204								
Q1327-01	VPB192-HYD-2025 Water	Acetone		2.20	J	1.40	3.80	5.00	ug/L
Q1327-01	VPB192-HYD-2025 Water	Dibromochloromethane		0.76	J	0.18	0.50	1.00	ug/L
		Total Voc :		2.96					
		Total Concentration:		2.96					
Client ID:	BP-VPB-192-TB-20250203								
Q1327-02	BP-VPB-192-TB-20 Water	Acetone		1.90	J	1.40	3.80	5.00	ug/L
		Total Voc :		1.90					
		Total Concentration:		1.90					
Client ID:	BP-VPB-192-DUP-20250204								
Q1327-03	BP-VPB-192-DUP- Water	Acetone		11.7		1.40	3.80	5.00	ug/L
		Total Voc :		11.7					
		Total Concentration:		11.7					
Client ID:	BP-VPB-192-GW-520-522								
Q1327-04	BP-VPB-192-GW-5 Water	Acetone		15.1		1.40	3.80	5.00	ug/L
Q1327-04	BP-VPB-192-GW-5 Water	Carbon Disulfide		2.00		0.32	0.75	1.00	ug/L
		Total Voc :		17.1					
		Total Concentration:		17.1					
Client ID:	BP-VPB-192-GW-540-542								
Q1327-05	BP-VPB-192-GW-5 Water	Acetone		14.5		1.40	3.80	5.00	ug/L
		Total Voc :		14.5					
		Total Concentration:		14.5					
Client ID:	BP-VPB-192-GW-560-562								
Q1327-06	BP-VPB-192-GW-5 Water	Acetone		10.2		1.40	3.80	5.00	ug/L
		Total Voc :		10.2					
		Total Concentration:		10.2					
Client ID:	BP-VPB-192-GW-580-582								
Q1327-07	BP-VPB-192-GW-5 Water	Acetone		19.4		1.40	3.80	5.00	ug/L
Q1327-07	BP-VPB-192-GW-5 Water	Toluene		0.30	J	0.18	0.50	1.00	ug/L
		Total Voc :		19.7					
		Total Concentration:		19.7					
Client ID:	BP-VPB-192-GW-600-602								
Q1327-08	BP-VPB-192-GW-6 Water	Acetone		38.5	J	13.9	37.5	50.0	ug/L
		Total Voc :		38.5					
		Total Concentration:		38.5					
Client ID:	BP-VPB-192-GW-625-627								
Q1327-09	BP-VPB-192-GW-6 Water	Acetone		5.00		1.40	3.80	5.00	ug/L
		Total Voc :		5.00					
		Total Concentration:		5.00					



QC SUMMARY

Surrogate Summary

SDG No.: **Q1327**

Client: **Tetra Tech NUS, Inc.**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1327-01	VPB192-HYD-20250204	1,2-Dichloroethane-d4	50	53.6	107	81	118
		Dibromofluoromethane	50	50.3	101	80	119
		Toluene-d8	50	50.1	100	89	112
		4-Bromofluorobenzene	50	51.4	103	85	114
Q1327-02	BP-VPB-192-TB-20250203	1,2-Dichloroethane-d4	50	53.9	108	81	118
		Dibromofluoromethane	50	50.5	101	80	119
		Toluene-d8	50	50.9	102	89	112
		4-Bromofluorobenzene	50	52.4	105	85	114
Q1327-03	BP-VPB-192-DUP-20250204	1,2-Dichloroethane-d4	50	53.5	107	81	118
		Dibromofluoromethane	50	51.3	103	80	119
		Toluene-d8	50	51.3	103	89	112
		4-Bromofluorobenzene	50	53.1	106	85	114
Q1327-04	BP-VPB-192-GW-520-522	1,2-Dichloroethane-d4	50	55.0	110	81	118
		Dibromofluoromethane	50	50.3	101	80	119
		Toluene-d8	50	49.7	99	89	112
		4-Bromofluorobenzene	50	50.0	100	85	114
Q1327-05	BP-VPB-192-GW-540-542	1,2-Dichloroethane-d4	50	54.0	108	81	118
		Dibromofluoromethane	50	51.1	102	80	119
		Toluene-d8	50	50.5	101	89	112
		4-Bromofluorobenzene	50	51.6	103	85	114
Q1327-06	BP-VPB-192-GW-560-562	1,2-Dichloroethane-d4	50	53.6	107	81	118
		Dibromofluoromethane	50	50.9	102	80	119
		Toluene-d8	50	49.6	99	89	112
		4-Bromofluorobenzene	50	50.4	101	85	114
Q1327-07	BP-VPB-192-GW-580-582	1,2-Dichloroethane-d4	50	52.7	105	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	50.9	102	85	114
Q1327-08	BP-VPB-192-GW-600-602	1,2-Dichloroethane-d4	50	54.9	110	81	118
		Dibromofluoromethane	50	51.0	102	80	119
		Toluene-d8	50	49.9	100	89	112
		4-Bromofluorobenzene	50	52.8	106	85	114
Q1327-09	BP-VPB-192-GW-625-627	1,2-Dichloroethane-d4	50	53.9	108	81	118
		Dibromofluoromethane	50	49.4	99	80	119
		Toluene-d8	50	49.6	99	89	112
		4-Bromofluorobenzene	50	50.0	100	85	114
VX0211WBL01	VX0211WBL01	1,2-Dichloroethane-d4	50	53.5	107	81	118
		Dibromofluoromethane	50	51.0	102	80	119
		Toluene-d8	50	50.3	100	89	112
		4-Bromofluorobenzene	50	52.4	105	85	114
VX0211WBS01	VX0211WBS01	1,2-Dichloroethane-d4	50	43.8	88	81	118
		Dibromofluoromethane	50	45.5	91	80	119
		Toluene-d8	50	46.2	92	89	112
		4-Bromofluorobenzene	50	47.4	95	85	114
VX0211WBSD0	VX0211WBSD01	1,2-Dichloroethane-d4	50	49.4	99	81	118
		Dibromofluoromethane	50	48.8	98	80	119
		Toluene-d8	50	49.0	98	89	112
		4-Bromofluorobenzene	50	49.6	99	85	114

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1327

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX044896.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0211WBS01	Chloromethane	20	17.8	ug/L	89			50	139	
	Vinyl chloride	20	17.9	ug/L	90			58	137	
	Bromomethane	20	19.0	ug/L	95			53	141	
	Chloroethane	20	22.6	ug/L	113			60	138	
	Trichlorofluoromethane	20	18.3	ug/L	92			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.5	ug/L	93			70	136	
	1,1-Dichloroethene	20	18.0	ug/L	90			71	131	
	Acetone	100	88.2	ug/L	88			39	160	
	Carbon disulfide	20	17.2	ug/L	86			64	133	
	Methyl tert-butyl Ether	20	17.8	ug/L	89			71	124	
	Methylene Chloride	20	17.8	ug/L	89			74	124	
	trans-1,2-Dichloroethene	20	18.0	ug/L	90			75	124	
	1,1-Dichloroethane	20	18.1	ug/L	91			77	125	
	2-Butanone	100	90.3	ug/L	90			56	143	
	Carbon Tetrachloride	20	19.3	ug/L	97			72	136	
	cis-1,2-Dichloroethene	20	18.6	ug/L	93			78	123	
	Chloroform	20	18.5	ug/L	93			79	124	
	1,1,1-Trichloroethane	20	18.1	ug/L	91			74	131	
	Methylcyclohexane	20	20.3	ug/L	102			72	132	
	Benzene	20	19.2	ug/L	96			79	120	
	1,2-Dichloroethane	20	19.7	ug/L	99			73	128	
	Trichloroethene	20	19.2	ug/L	96			79	123	
	1,2-Dichloropropane	20	19.1	ug/L	96			78	122	
	Bromodichloromethane	20	19.5	ug/L	98			79	125	
	4-Methyl-2-Pentanone	100	99.3	ug/L	99			67	130	
	Toluene	20	19.5	ug/L	98			80	121	
	t-1,3-Dichloropropene	20	18.6	ug/L	93			73	127	
	cis-1,3-Dichloropropene	20	19.1	ug/L	96			75	124	
	1,1,2-Trichloroethane	20	19.8	ug/L	99			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	19.0	ug/L	95			74	126	
	Tetrachloroethene	20	18.8	ug/L	94			74	129	
	Chlorobenzene	20	19.0	ug/L	95			82	118	
	Ethyl Benzene	20	19.1	ug/L	96			79	121	
	m/p-Xylenes	40	38.9	ug/L	97			80	121	
	o-Xylene	20	19.2	ug/L	96			78	122	
	Styrene	20	19.3	ug/L	97			78	123	
	Bromoform	20	19.2	ug/L	96			66	130	
	Isopropylbenzene	20	18.4	ug/L	92			72	131	
	1,1,2,2-Tetrachloroethane	20	18.5	ug/L	93			71	121	
	1,3-Dichlorobenzene	20	19.2	ug/L	96			80	119	
	1,4-Dichlorobenzene	20	18.7	ug/L	94			79	118	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1327

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX044897.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0211WBSD01	Chloromethane	20	18.7	ug/L	94	5		50	139	20
	Vinyl chloride	20	19.2	ug/L	96	6		58	137	20
	Bromomethane	20	20.1	ug/L	101	6		53	141	20
	Chloroethane	20	18.9	ug/L	95	17		60	138	20
	Trichlorofluoromethane	20	19.5	ug/L	98	6		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	20.3	ug/L	102	9		70	136	20
	1,1-Dichloroethene	20	19.3	ug/L	97	7		71	131	20
	Acetone	100	100	ug/L	100	13		39	160	20
	Carbon disulfide	20	18.6	ug/L	93	8		64	133	20
	Methyl tert-butyl Ether	20	20.2	ug/L	101	13		71	124	20
	Methylene Chloride	20	19.6	ug/L	98	10		74	124	20
	trans-1,2-Dichloroethene	20	19.7	ug/L	99	10		75	124	20
	1,1-Dichloroethane	20	19.6	ug/L	98	7		77	125	20
	2-Butanone	100	100	ug/L	100	11		56	143	20
	Carbon Tetrachloride	20	20.0	ug/L	100	3		72	136	20
	cis-1,2-Dichloroethene	20	20.0	ug/L	100	7		78	123	20
	Chloroform	20	19.7	ug/L	99	6		79	124	20
	1,1,1-Trichloroethane	20	19.6	ug/L	98	7		74	131	20
	Methylcyclohexane	20	20.8	ug/L	104	2		72	132	20
	Benzene	20	20.2	ug/L	101	5		79	120	20
	1,2-Dichloroethane	20	21.2	ug/L	106	7		73	128	20
	Trichloroethene	20	19.7	ug/L	99	3		79	123	20
	1,2-Dichloropropane	20	20.4	ug/L	102	6		78	122	20
	Bromodichloromethane	20	20.8	ug/L	104	6		79	125	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	11		67	130	20
	Toluene	20	20.9	ug/L	104	6		80	121	20
	t-1,3-Dichloropropene	20	20.0	ug/L	100	7		73	127	20
	cis-1,3-Dichloropropene	20	20.5	ug/L	103	7		75	124	20
	1,1,2-Trichloroethane	20	21.3	ug/L	106	7		80	119	20
	2-Hexanone	100	110	ug/L	110	10		57	139	20
	Dibromochloromethane	20	21.0	ug/L	105	10		74	126	20
	Tetrachloroethene	20	20.0	ug/L	100	6		74	129	20
	Chlorobenzene	20	20.3	ug/L	102	7		82	118	20
	Ethyl Benzene	20	20.5	ug/L	103	7		79	121	20
	m/p-Xylenes	40	41.7	ug/L	104	7		80	121	20
	o-Xylene	20	20.5	ug/L	103	7		78	122	20
	Styrene	20	20.9	ug/L	104	7		78	123	20
	Bromoform	20	20.4	ug/L	102	6		66	130	20
	Isopropylbenzene	20	20.5	ug/L	103	11		72	131	20
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102	9		71	121	20
	1,3-Dichlorobenzene	20	20.1	ug/L	101	5		80	119	20
	1,4-Dichlorobenzene	20	20.0	ug/L	100	6		79	118	20
	1,2-Dichlorobenzene	20	20.8	ug/L	104	7		80	119	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0211WBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q1327

SAS No.: Q1327 SDG NO.: Q1327

Lab File ID: VX044895.D

Lab Sample ID: VX0211WBL01

Date Analyzed: 02/11/2025

Time Analyzed: 11:00

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
VX0211WBS01	VX0211WBS01	VX044896.D	02/11/2025
VX0211WBSD01	VX0211WBSD01	VX044897.D	02/11/2025
VPB192-HYD-20250204	Q1327-01	VX044909.D	02/11/2025
BP-VPB-192-TB-20250203	Q1327-02	VX044910.D	02/11/2025
BP-VPB-192-DUP-20250204	Q1327-03	VX044911.D	02/11/2025
BP-VPB-192-GW-520-522	Q1327-04	VX044912.D	02/11/2025
BP-VPB-192-GW-540-542	Q1327-05	VX044913.D	02/11/2025
BP-VPB-192-GW-560-562	Q1327-06	VX044914.D	02/11/2025
BP-VPB-192-GW-625-627	Q1327-09	VX044915.D	02/11/2025
BP-VPB-192-GW-600-602	Q1327-08	VX044916.D	02/11/2025
BP-VPB-192-GW-580-582	Q1327-07	VX044917.D	02/11/2025

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q1327 SAS No.: Q1327 SDG NO.: Q1327
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.: Q1327 SAS No.: Q1327 SDG NO.: Q1327
Lab File ID: VX044892.D BFB Injection Date: 02/11/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:50
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	20.3
75	30.0 - 60.0% of mass 95	53.4
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	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	71.2
175	5.0 - 9.0% of mass 174	5.7 (7.9) 1
176	95.0 - 101.0% of mass 174	68.2 (95.8) 1
177	5.0 - 9.0% of mass 176	4.6 (6.7) 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	VX044893.D	02/11/2025	10:09
VX0211WBL01	VX0211WBL01	VX044895.D	02/11/2025	11:00
VX0211WBS01	VX0211WBS01	VX044896.D	02/11/2025	11:23
VX0211WBSD01	VX0211WBSD01	VX044897.D	02/11/2025	11:48
VPB192-HYD-20250204	Q1327-01	VX044909.D	02/11/2025	16:24
BP-VPB-192-TB-20250203	Q1327-02	VX044910.D	02/11/2025	16:46
BP-VPB-192-DUP-20250204	Q1327-03	VX044911.D	02/11/2025	17:09
BP-VPB-192-GW-520-522	Q1327-04	VX044912.D	02/11/2025	17:33
BP-VPB-192-GW-540-542	Q1327-05	VX044913.D	02/11/2025	17:56
BP-VPB-192-GW-560-562	Q1327-06	VX044914.D	02/11/2025	18:19
BP-VPB-192-GW-625-627	Q1327-09	VX044915.D	02/11/2025	18:42
BP-VPB-192-GW-600-602	Q1327-08	VX044916.D	02/11/2025	19:05
BP-VPB-192-GW-580-582	Q1327-07	VX044917.D	02/11/2025	19:28
VSTDCCC050EC	VSTDCCC050	VX044918.D	02/11/2025	19:50

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
 Lab Code: CHEM Case No.: Q1327 SAS No.: Q1327 SDG NO.: Q1327
 Lab File ID: VX044893.D Date Analyzed: 02/11/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:09
 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	125474	5.54	221806	6.75	200705	10.05
UPPER LIMIT	250948	6.044	443612	7.251	401410	10.549
LOWER LIMIT	62737	5.044	110903	6.251	100353	9.549
EPA SAMPLE NO.						
VPB192-HYD-20250204	94029	5.54	191186	6.76	175343	10.05
BP-VPB-192-TB-20250203	91689	5.54	184061	6.76	168042	10.05
BP-VPB-192-DUP-20250204	91782	5.54	182308	6.76	169727	10.05
BP-VPB-192-GW-520-522	88393	5.55	180540	6.76	161074	10.05
BP-VPB-192-GW-540-542	86070	5.54	174840	6.76	160189	10.05
BP-VPB-192-GW-560-562	90647	5.54	181380	6.76	162703	10.05
BP-VPB-192-GW-580-582	91582	5.55	182202	6.76	164292	10.05
BP-VPB-192-GW-600-602	93253	5.54	190982	6.76	174939	10.05
BP-VPB-192-GW-625-627	90365	5.55	184452	6.76	165045	10.05
VX0211WBL01	98496	5.54	199075	6.76	183423	10.05
VX0211WBS01	122388	5.54	213544	6.76	190238	10.05
VX0211WBSD01	116406	5.54	211404	6.76	186335	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.: Q1327 SAS No.: Q1327 SDG NO.: Q1327
Lab File ID: VX044893.D Date Analyzed: 02/11/2025
Instrument ID: MSVOA_X Time Analyzed: 10:09
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	89456	12.018				
UPPER LIMIT	178912	12.518				
LOWER LIMIT	44728	11.518				
EPA SAMPLE NO.						
VPB192-HYD-20250204	74493	12.02				
BP-VPB-192-TB-20250203	72398	12.02				
BP-VPB-192-DUP-20250204	71217	12.02				
BP-VPB-192-GW-520-522	67868	12.02				
BP-VPB-192-GW-540-542	67837	12.02				
BP-VPB-192-GW-560-562	65512	12.02				
BP-VPB-192-GW-580-582	67262	12.02				
BP-VPB-192-GW-600-602	75627	12.02				
BP-VPB-192-GW-625-627	71791	12.02				
VX0211WBL01	79632	12.02				
VX0211WBS01	87843	12.02				
VX0211WBSD01	83644	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	02/04/25		
Project:	CTO WE13			Date Received:	02/06/25		
Client Sample ID:	VPB192-HYD-20250204			SDG No.:	Q1327		
Lab Sample ID:	Q1327-01			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
VX044909.D	1		02/11/25 16:24	VX021125

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:	02/04/25
Project:	CTO WE13	Date Received:	02/06/25
Client Sample ID:	VPB192-HYD-20250204	SDG No.:	Q1327
Lab Sample ID:	Q1327-01	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
VX044909.D	1		02/11/25 16:24	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.76	J	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	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	94000	5.544				
540-36-3	1,4-Difluorobenzene	191000	6.757				
3114-55-4	Chlorobenzene-d5	175000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	74500	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/04/25	
Project:	CTO WE13		Date Received:	02/06/25	
Client Sample ID:	VPB192-HYD-20250204		SDG No.:	Q1327	
Lab Sample ID:	Q1327-01		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
VX044909.D	1		02/11/25 16:24	VX021125

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\VX021125\
 Data File : VX044909.D
 Acq On : 11 Feb 2025 16:24
 Operator : JC/MD
 Sample : Q1327-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VPB192-HYD-20250204

Quant Time: Feb 12 02:44:33 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)

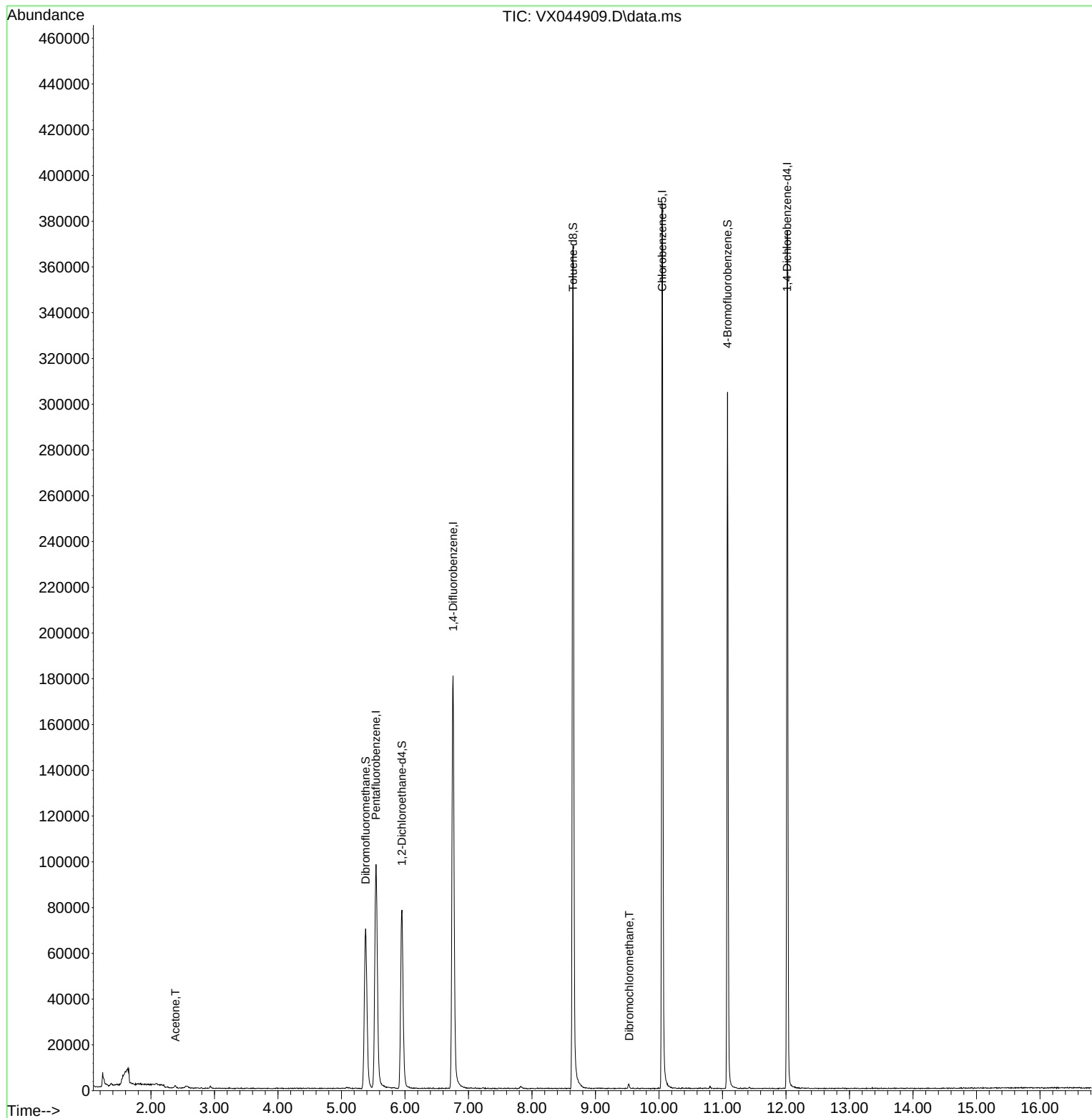
Internal Standards						
1) Pentafluorobenzene	5.544	168	94029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	191186	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	175343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73720	53.559	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.120%			
35) Dibromofluoromethane	5.379	113	62523	50.299	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.600%			
50) Toluene-d8	8.647	98	235683	50.141	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.280%			
62) 4-Bromofluorobenzene	11.079	95	81501	51.433	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.860%			
Target Compounds						
16) Acetone	2.386	43	1192	2.154	ug/l #	84
60) Dibromochloromethane	9.531	129	1044	0.761	ug/l	98

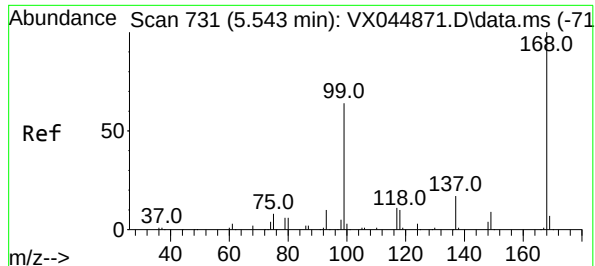
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044909.D
Acq On : 11 Feb 2025 16:24
Operator : JC/MD
Sample : Q1327-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250204

Quant Time: Feb 12 02:44:33 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

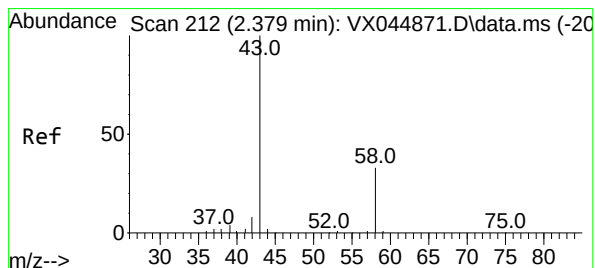
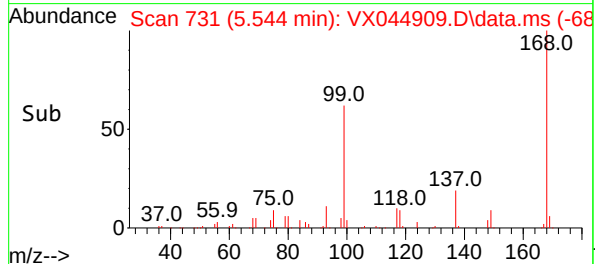
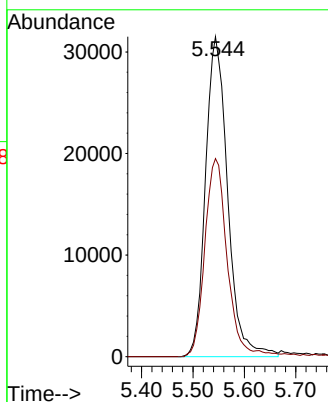
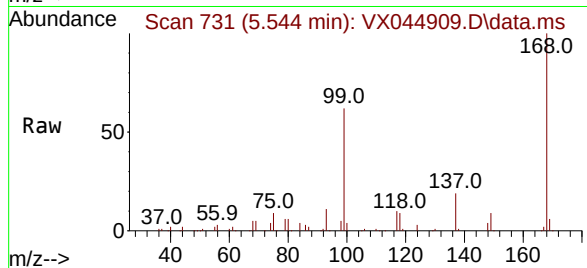




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044909.D
Acq: 11 Feb 2025 16:24

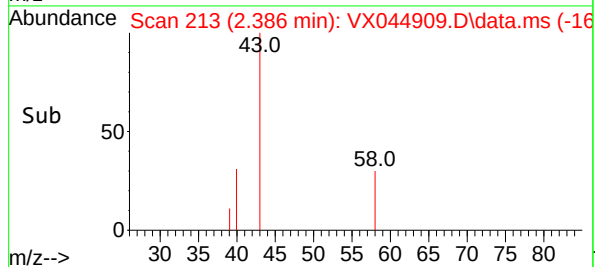
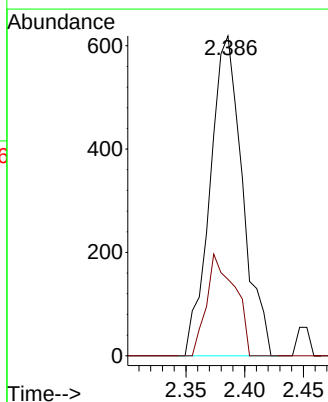
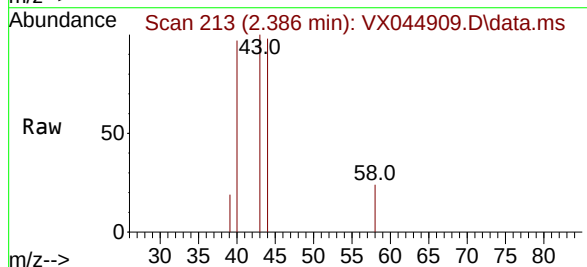
Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250204

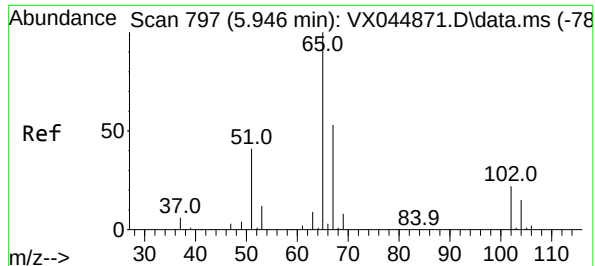
Tgt Ion:168 Resp: 94029
Ion Ratio Lower Upper
168 100
99 61.9 51.2 76.8



#16
Acetone
Concen: 2.154 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX044909.D
Acq: 11 Feb 2025 16:24

Tgt Ion: 43 Resp: 1192
Ion Ratio Lower Upper
43 100
58 23.9 26.5 39.7#





#33

1,2-Dichloroethane-d4

Concen: 53.559 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.007 min

Lab File: VX044909.D

Acq: 11 Feb 2025 16:24

Instrument :

MSVOA_X

ClientSampleId :

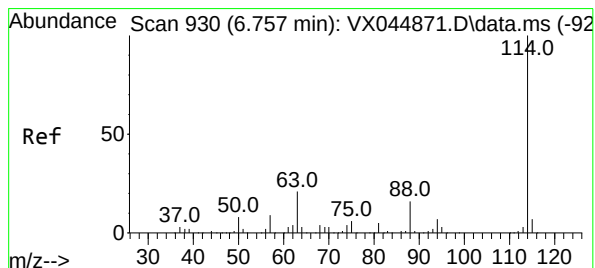
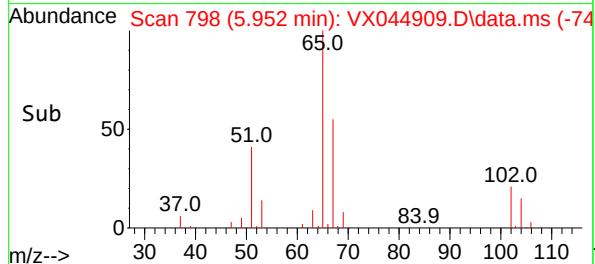
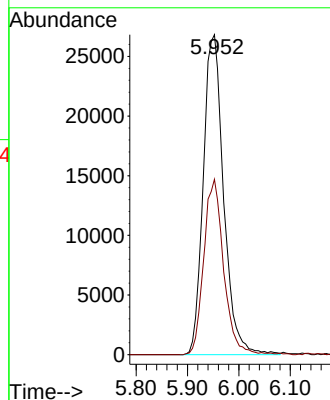
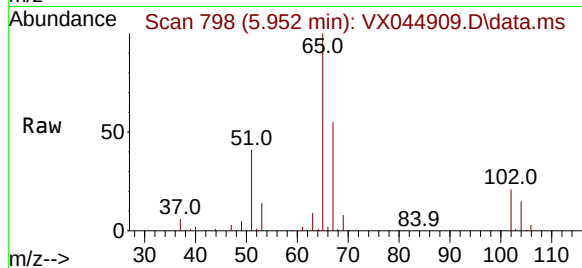
VPB192-HYD-20250204

Tgt Ion: 65 Resp: 73720

Ion Ratio Lower Upper

65 100

67 53.5 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: VX044909.D

Acq: 11 Feb 2025 16:24

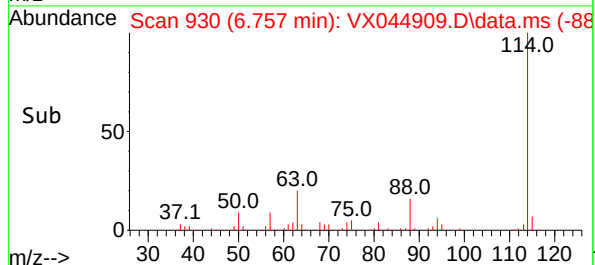
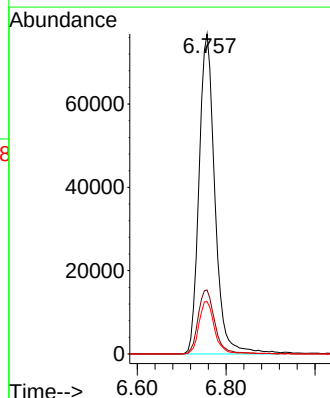
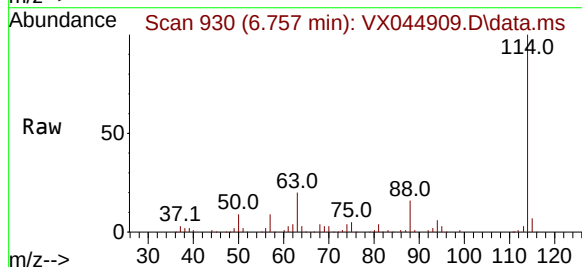
Tgt Ion: 114 Resp: 191186

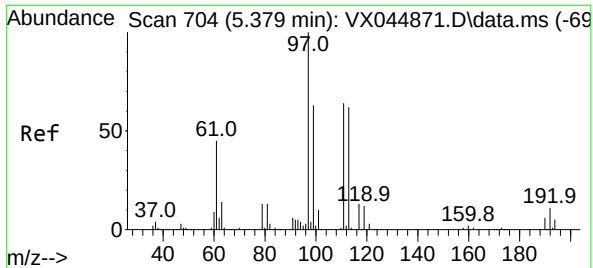
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 16.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.299 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044909.D

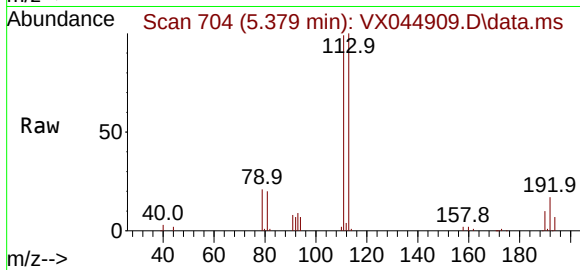
Acq: 11 Feb 2025 16:24

Instrument :

MSVOA_X

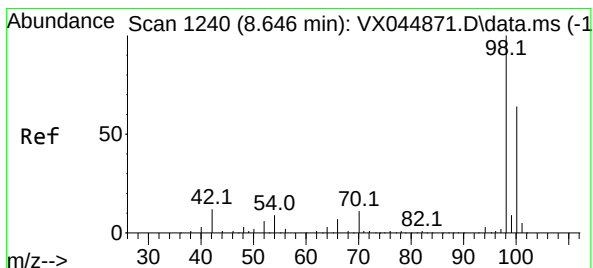
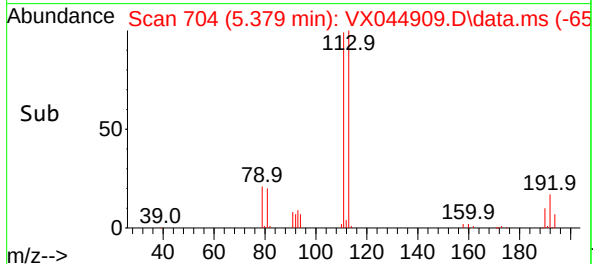
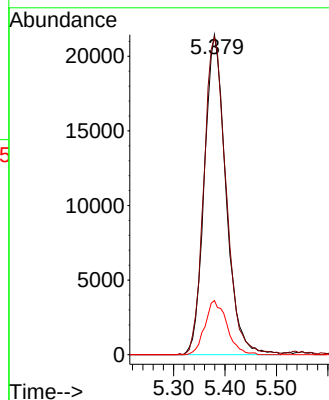
ClientSampleId :

VPB192-HYD-20250204



Tgt Ion:113 Resp: 62523

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.5	125.3
192	17.2	14.4	21.6



#50

Toluene-d8

Concen: 50.141 ug/l

RT: 8.647 min Scan# 1240

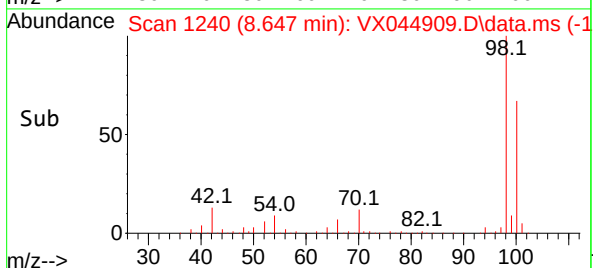
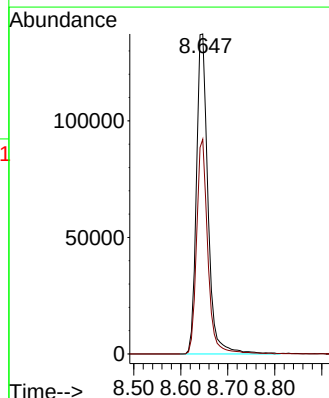
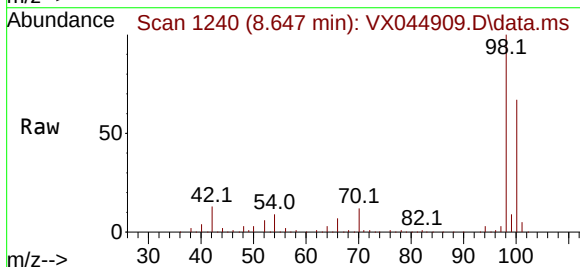
Delta R.T. 0.000 min

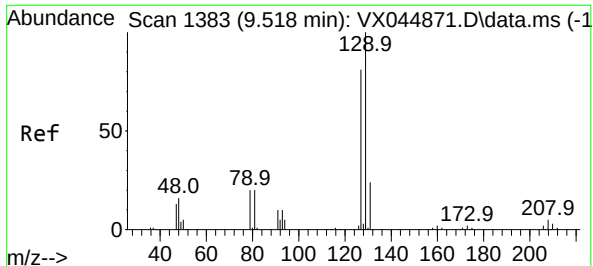
Lab File: VX044909.D

Acq: 11 Feb 2025 16:24

Tgt Ion: 98 Resp: 235683

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1





#60

Dibromochloromethane

Concen: 0.761 ug/l

RT: 9.531 min Scan# 1385

Delta R.T. 0.013 min

Lab File: VX044909.D

Acq: 11 Feb 2025 16:24

Instrument :

MSVOA_X

ClientSampleId :

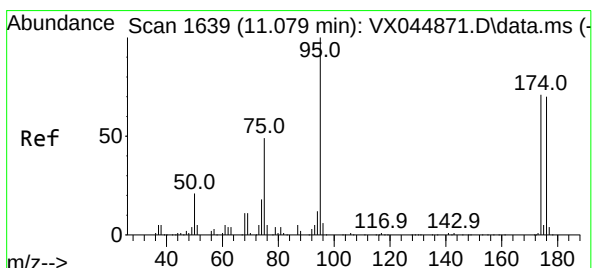
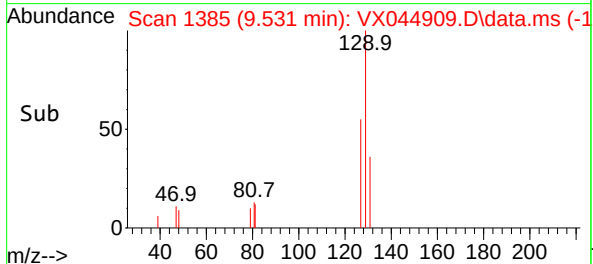
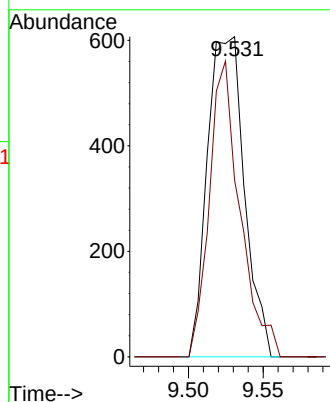
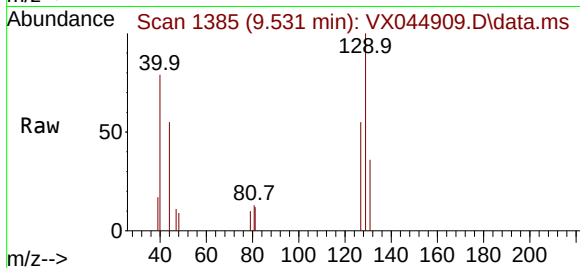
VPB192-HYD-20250204

Tgt Ion:129 Resp: 1044

Ion Ratio Lower Upper

129 100

127 76.4 39.1 117.3



#62

4-Bromofluorobenzene

Concen: 51.433 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044909.D

Acq: 11 Feb 2025 16:24

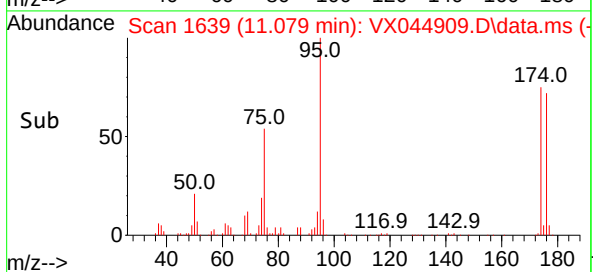
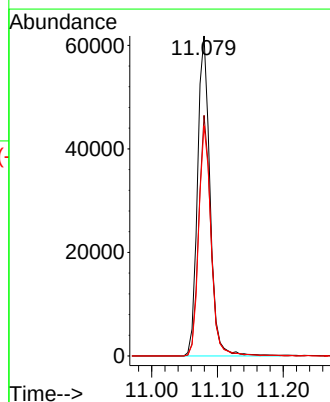
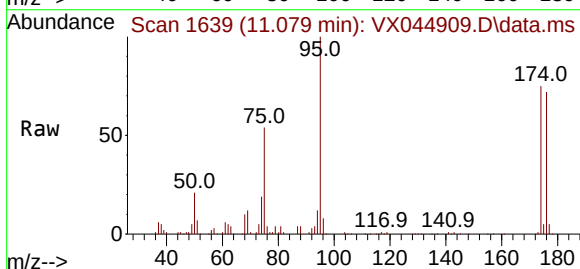
Tgt Ion: 95 Resp: 81501

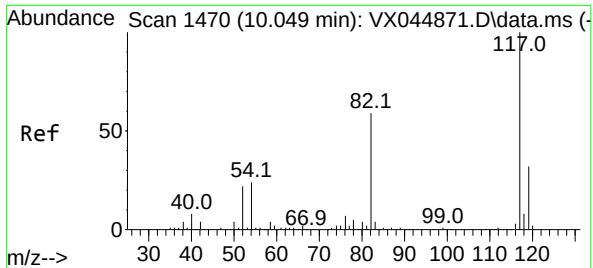
Ion Ratio Lower Upper

95 100

174 73.1 0.0 142.6

176 71.2 0.0 141.6

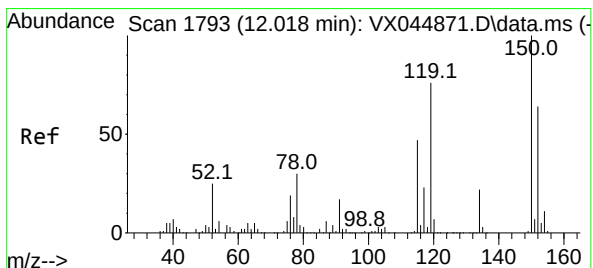
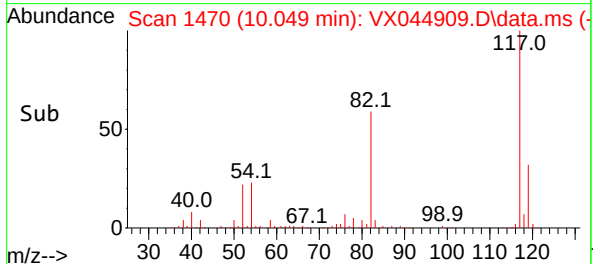
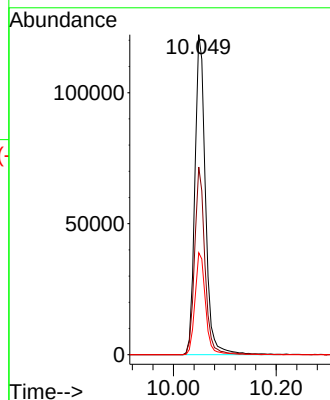
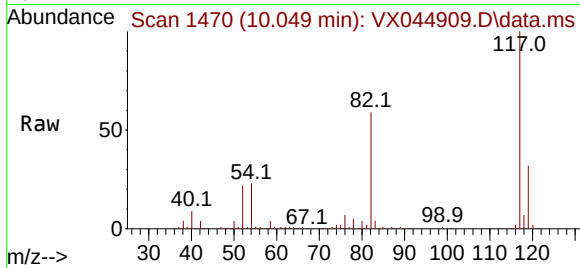




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044909.D
Acq: 11 Feb 2025 16:24

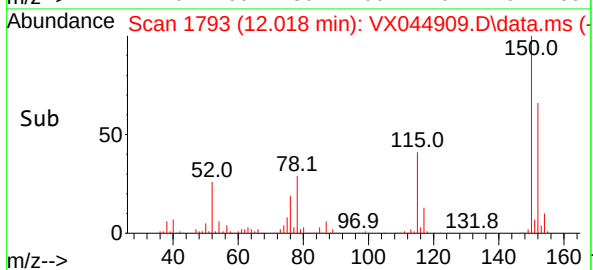
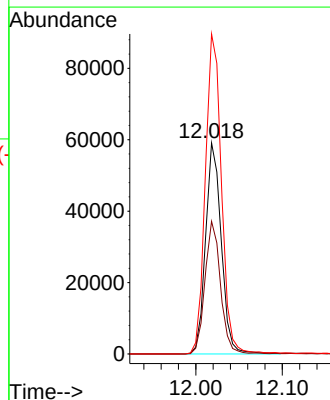
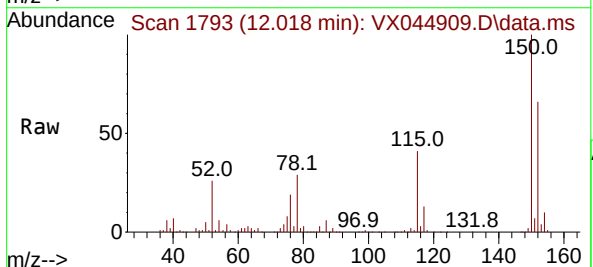
Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250204

Tgt Ion:117 Resp: 175343
Ion Ratio Lower Upper
117 100
82 58.6 47.5 71.3
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044909.D
Acq: 11 Feb 2025 16:24

Tgt Ion:152 Resp: 74493
Ion Ratio Lower Upper
152 100
115 62.2 43.4 130.1
150 156.0 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044909.D
Acq On : 11 Feb 2025 16:24
Operator : JC/MD
Sample : Q1327-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250204

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\82X021025W.M

Title : SW846 8260

Signal : TIC: VX044909.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	20	25	32	rBV2	6300	11575	1.84%	0.361%
2	5.379	694	704	720	rBV2	69952	206358	32.79%	6.438%
3	5.544	720	731	747	rBV	97436	283423	45.03%	8.843%
4	5.952	788	798	815	rBV	78068	212177	33.71%	6.620%
5	6.757	920	930	951	rBV	180359	447634	71.12%	13.966%
6	8.647	1233	1240	1255	rBV	369040	629372	100.00%	19.636%
7	10.049	1465	1470	1487	rBV	387131	549268	87.27%	17.137%
8	11.079	1634	1639	1655	rBV	304180	392468	62.36%	12.245%
9	12.018	1788	1793	1803	rBV	375141	472893	75.14%	14.754%

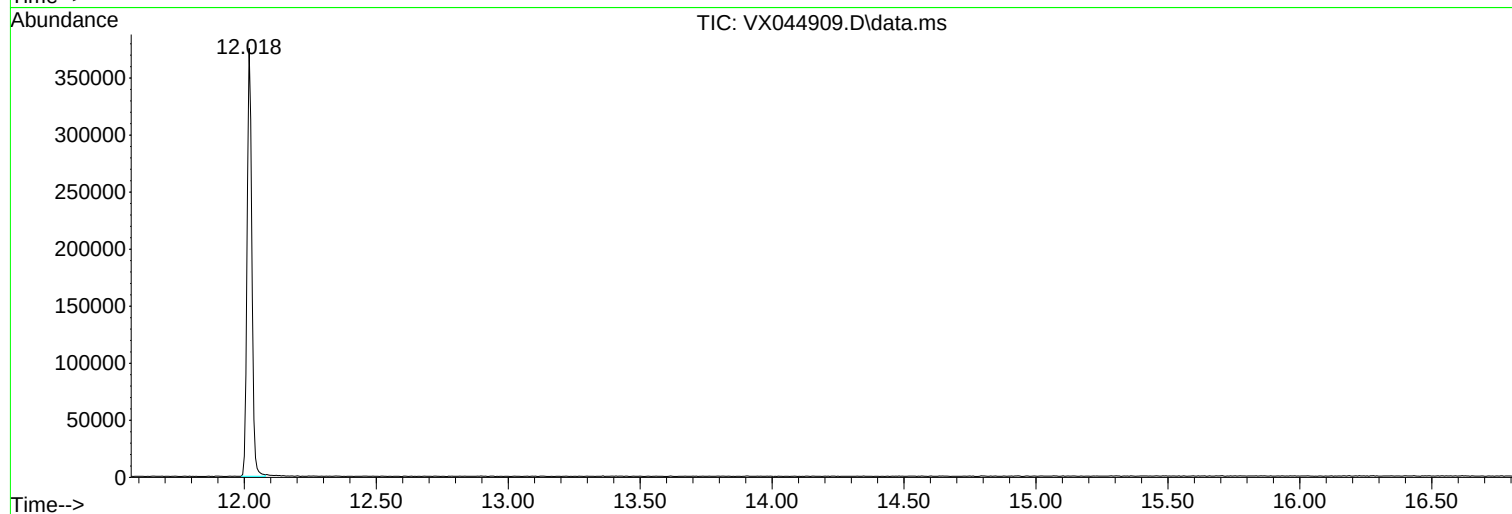
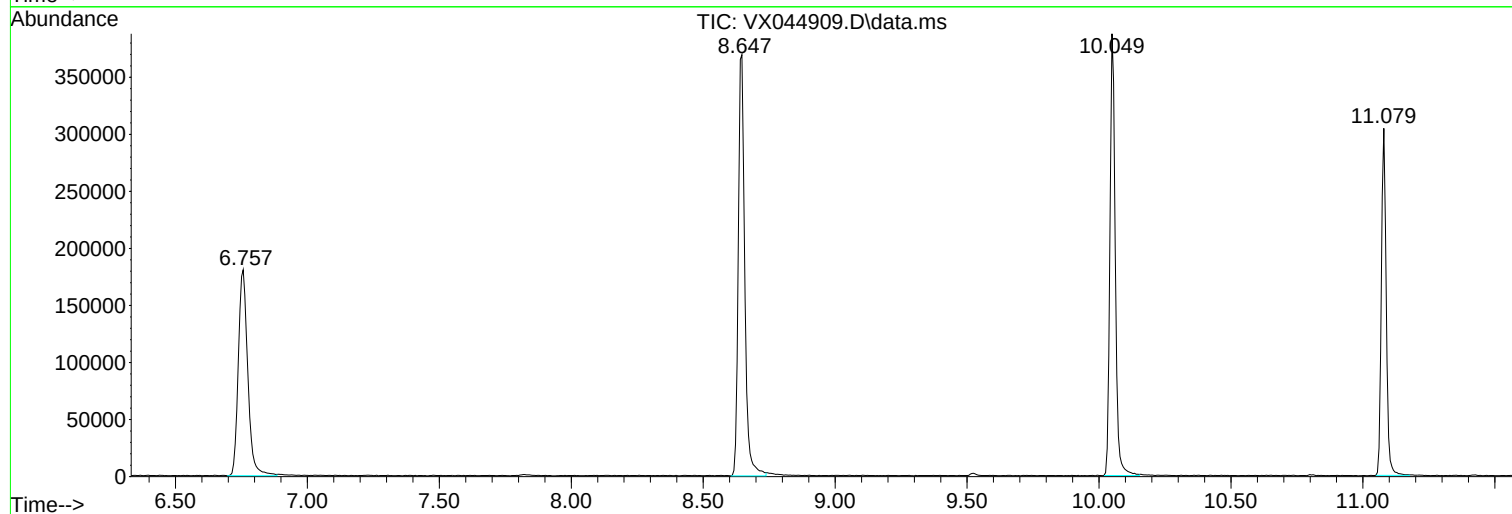
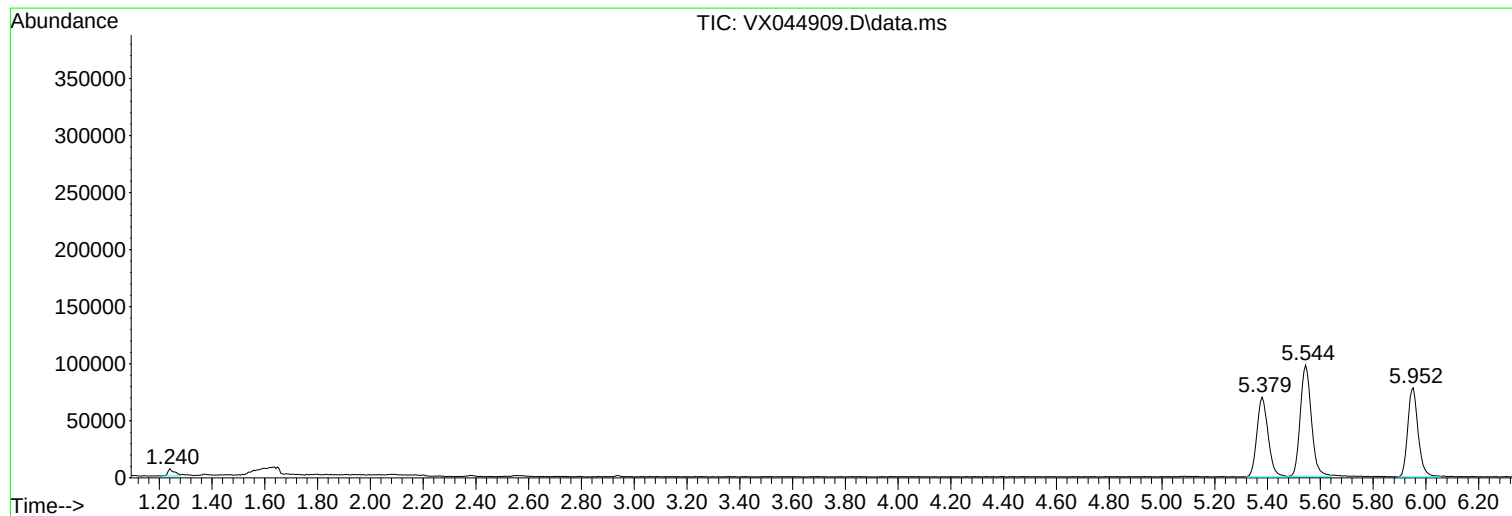
Sum of corrected areas: 3205168

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044909.D
Acq On : 11 Feb 2025 16:24
Operator : JC/MD
Sample : Q1327-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250204

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\VX021125\
Data File : VX044909.D
Acq On : 11 Feb 2025 16:24
Operator : JC/MD
Sample : Q1327-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250204

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\VX021125\
Data File : VX044909.D
Acq On : 11 Feb 2025 16:24
Operator : JC/MD
Sample : Q1327-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250204

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

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	02/03/25	
Project:	CTO WE13			Date Received:	02/06/25	
Client Sample ID:	BP-VPB-192-TB-20250203			SDG No.:	Q1327	
Lab Sample ID:	Q1327-02			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
VX044910.D	1		02/11/25 16:46	VX021125

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	1.90	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:	02/03/25	
Project:	CTO WE13		Date Received:	02/06/25	
Client Sample ID:	BP-VPB-192-TB-20250203		SDG No.:	Q1327	
Lab Sample ID:	Q1327-02		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
VX044910.D	1		02/11/25 16:46	VX021125

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	53.9		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.9		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	91700	5.543				
540-36-3	1,4-Difluorobenzene	184000	6.756				
3114-55-4	Chlorobenzene-d5	168000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	72400	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/03/25
Project:	CTO WE13	Date Received:	02/06/25
Client Sample ID:	BP-VPB-192-TB-20250203	SDG No.:	Q1327
Lab Sample ID:	Q1327-02	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
VX044910.D	1		02/11/25 16:46	VX021125

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\VX021125\
Data File : VX044910.D
Acq On : 11 Feb 2025 16:46
Operator : JC/MD
Sample : Q1327-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250203

Quant Time: Feb 12 02:44:53 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)

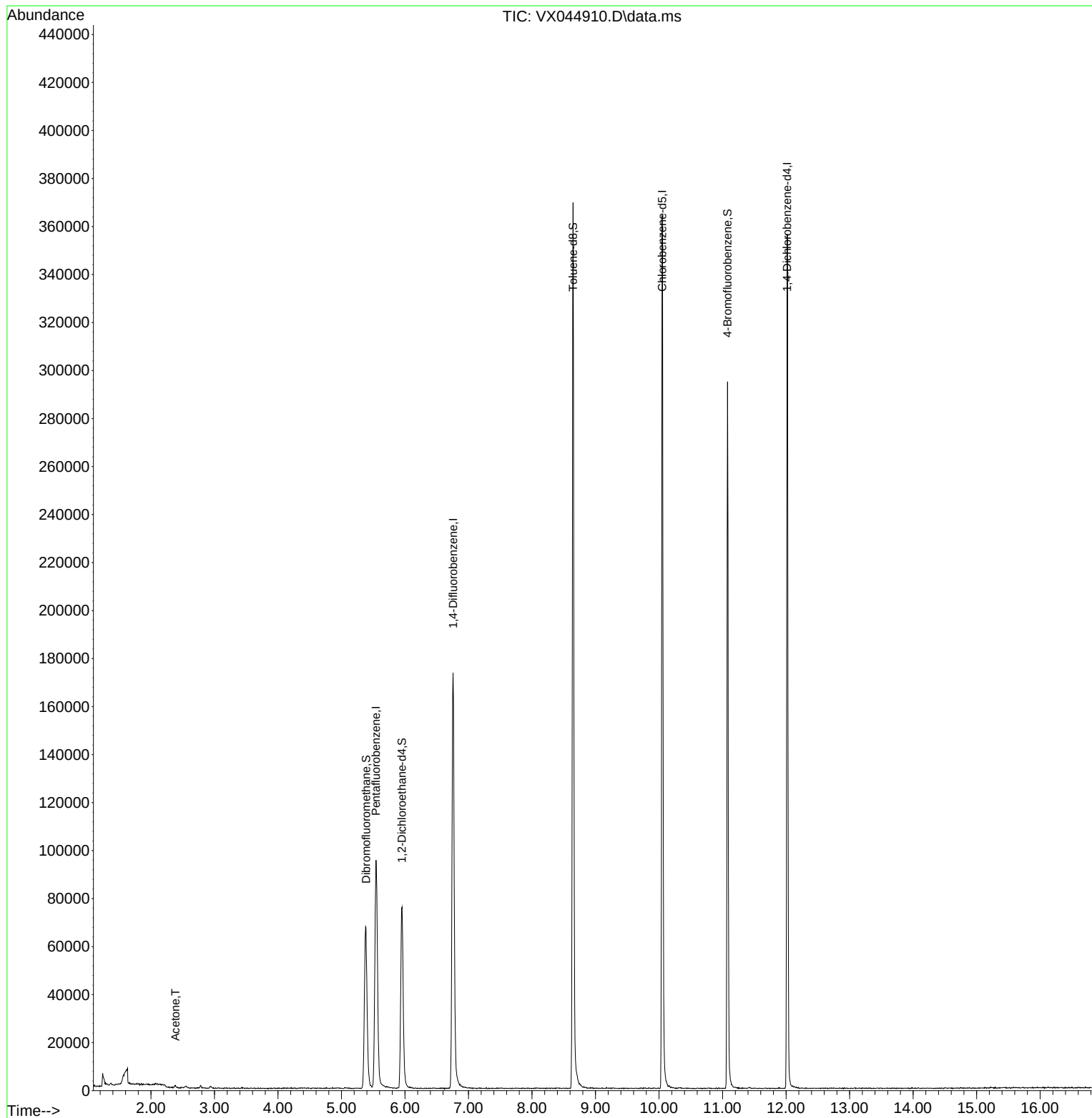
Internal Standards						
1) Pentafluorobenzene	5.543	168	91689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	184061	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	168042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	72398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72361	53.914	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.820%	
35) Dibromofluoromethane	5.385	113	60494	50.551	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.100%	
50) Toluene-d8	8.646	98	230192	50.869	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.740%	
62) 4-Bromofluorobenzene	11.079	95	79890	52.368	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.740%	
Target Compounds						
16) Acetone	2.385	43	1008	1.868	ug/l	Qvalue 97

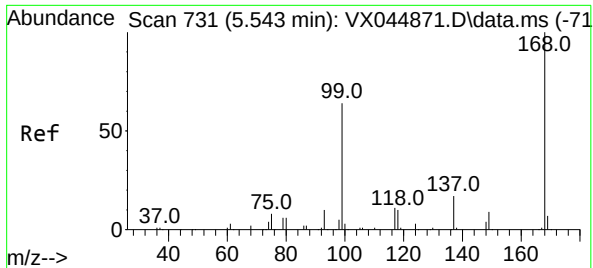
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044910.D
Acq On : 11 Feb 2025 16:46
Operator : JC/MD
Sample : Q1327-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250203

Quant Time: Feb 12 02:44:53 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: 5.543 min Scan# 71

Delta R.T. 0.000 min

Lab File: VX044910.D

Acq: 11 Feb 2025 16:46

Instrument :

MSVOA_X

ClientSampleId :

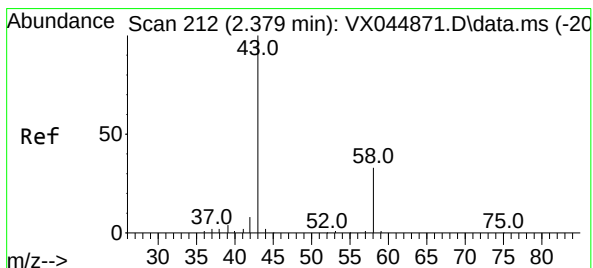
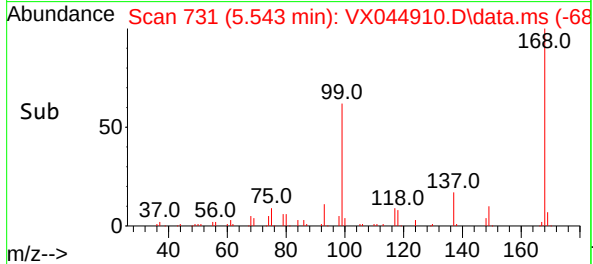
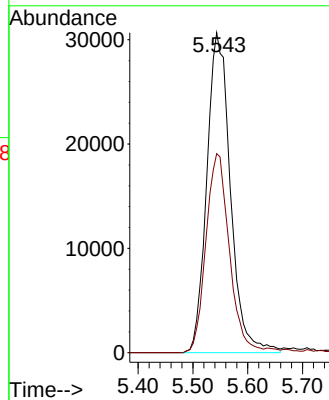
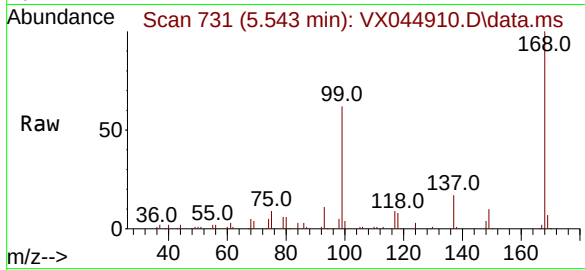
BP-VPB-192-TB-20250203

Tgt Ion:168 Resp: 91689

Ion Ratio Lower Upper

168 100

99 62.2 51.2 76.8



#16

Acetone

Concen: 1.868 ug/l

RT: 2.385 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX044910.D

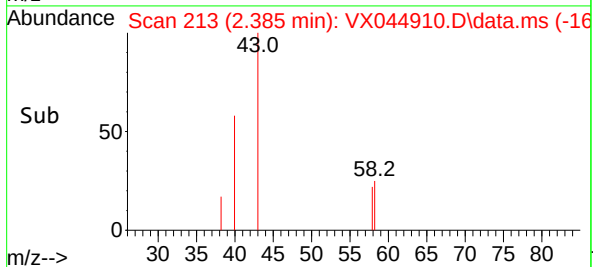
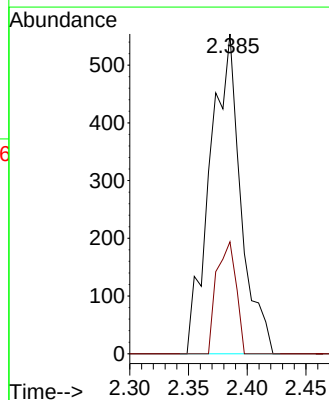
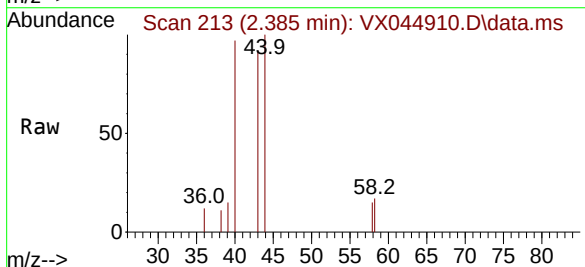
Acq: 11 Feb 2025 16:46

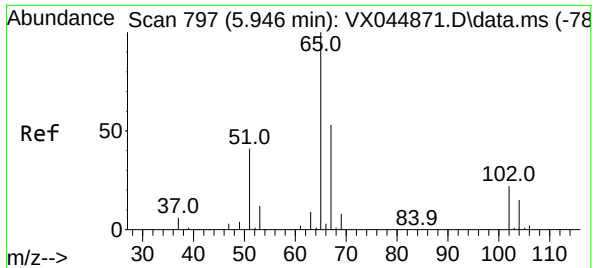
Tgt Ion: 43 Resp: 1008

Ion Ratio Lower Upper

43 100

58 35.0 26.5 39.7





#33

1,2-Dichloroethane-d4

Concen: 53.914 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044910.D

Acq: 11 Feb 2025 16:46

Instrument :

MSVOA_X

ClientSampleId :

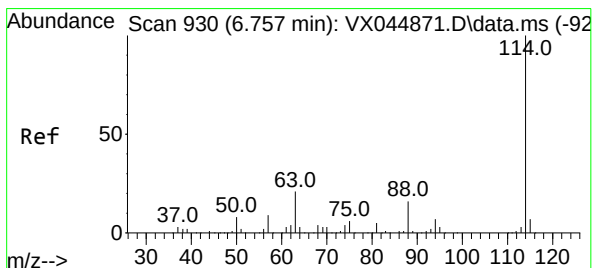
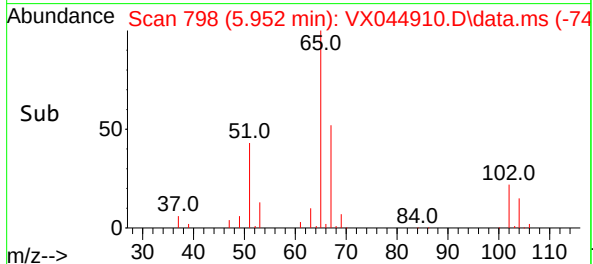
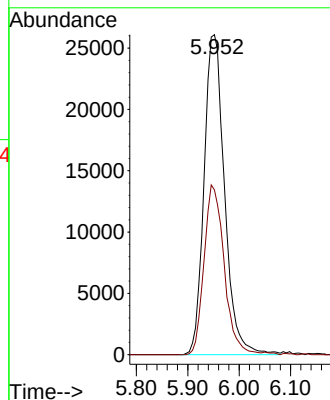
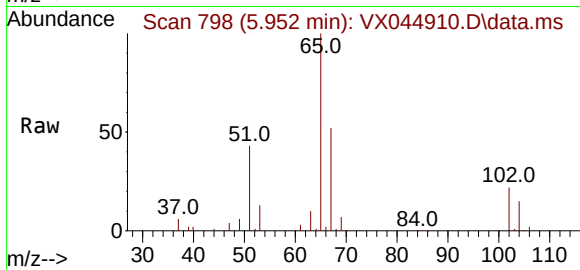
BP-VPB-192-TB-20250203

Tgt Ion: 65 Resp: 72361

Ion Ratio Lower Upper

65 100

67 52.0 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.756 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044910.D

Acq: 11 Feb 2025 16:46

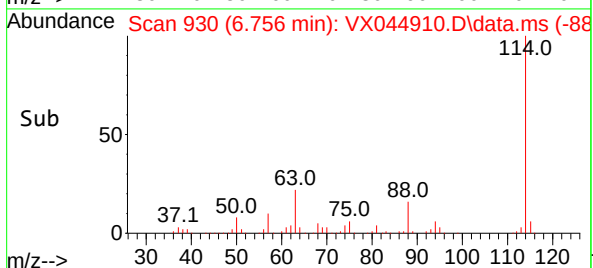
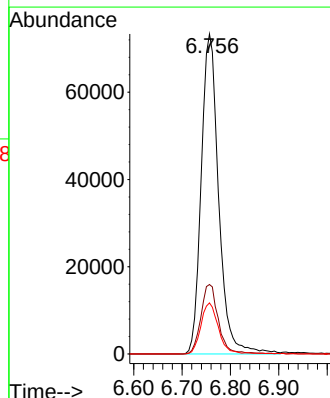
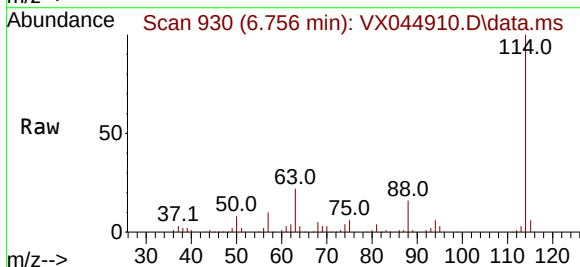
Tgt Ion: 114 Resp: 184061

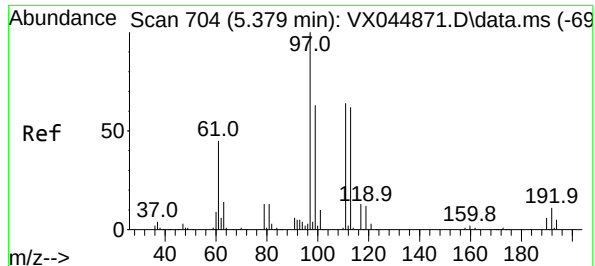
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.4

88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.551 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044910.D

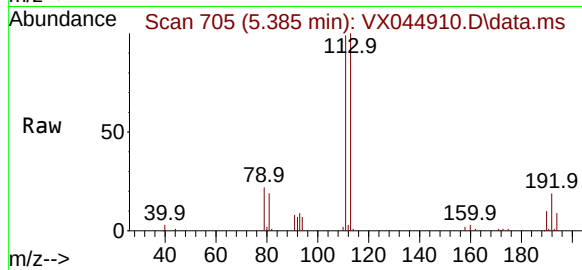
Acq: 11 Feb 2025 16:46

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-TB-20250203



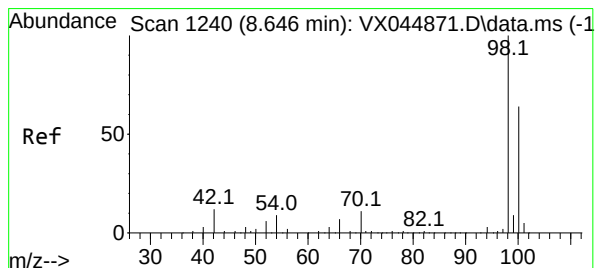
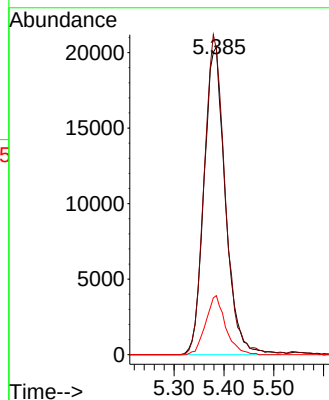
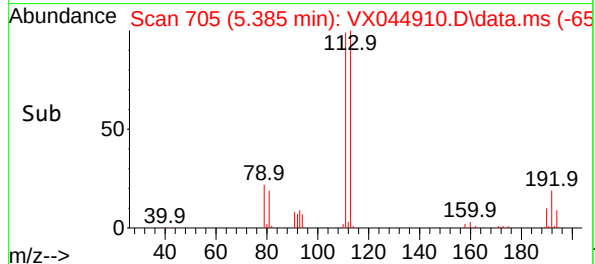
Tgt Ion:113 Resp: 60494

Ion Ratio Lower Upper

113 100

111 102.3 83.5 125.3

192 17.9 14.4 21.6



#50

Toluene-d8

Concen: 50.869 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX044910.D

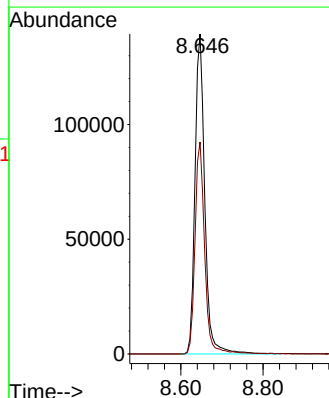
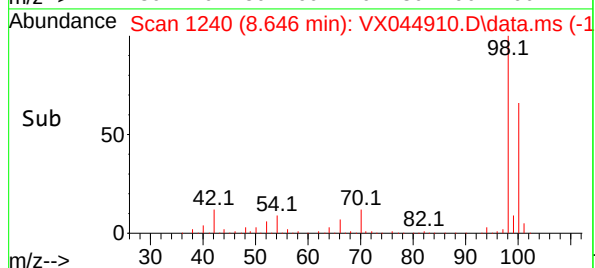
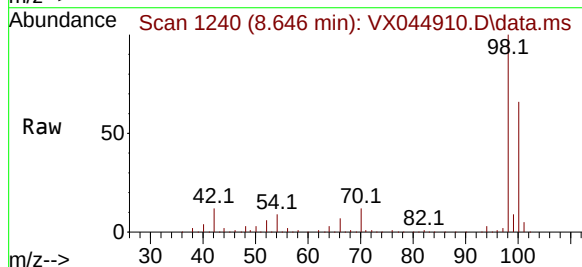
Acq: 11 Feb 2025 16:46

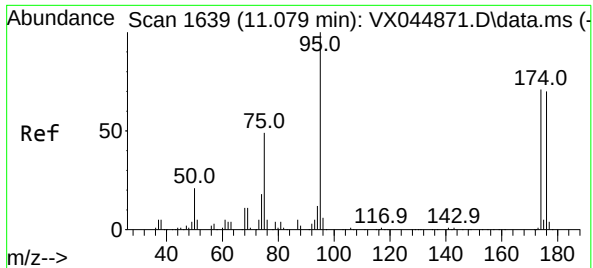
Tgt Ion: 98 Resp: 230192

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1

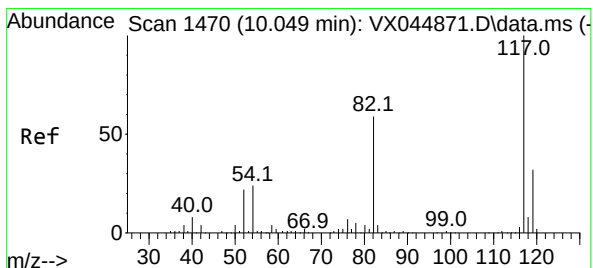
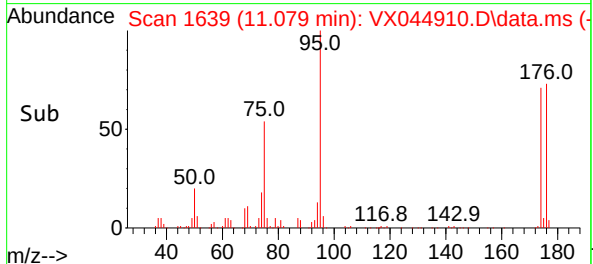
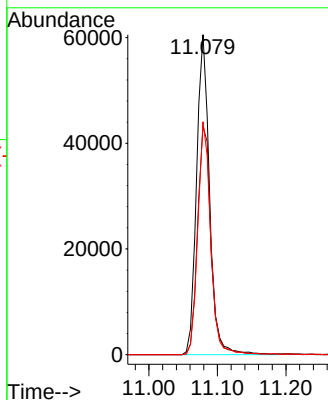
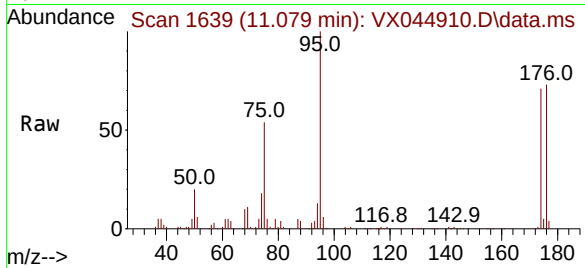




#62
4-Bromofluorobenzene
Concen: 52.368 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044910.D
Acq: 11 Feb 2025 16:46

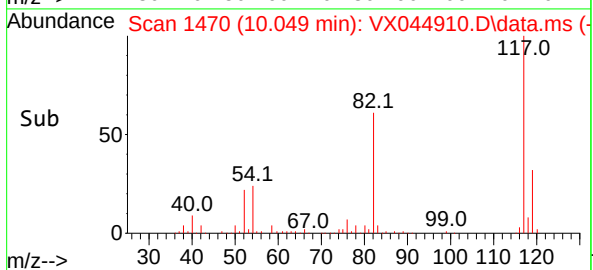
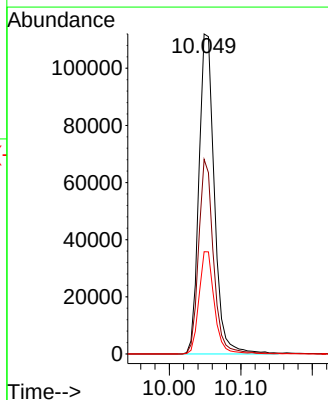
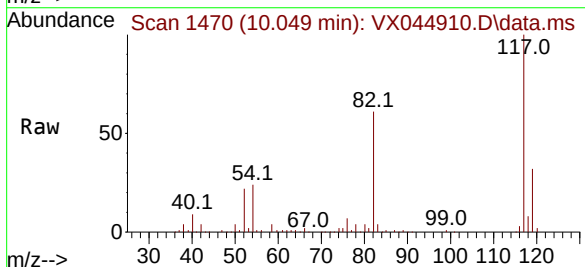
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250203

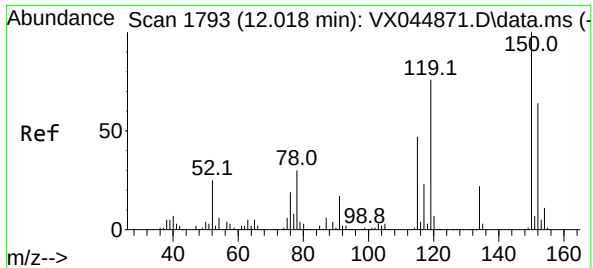
Tgt Ion: 95 Resp: 79890
Ion Ratio Lower Upper
95 100
174 74.1 0.0 142.6
176 71.9 0.0 141.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044910.D
Acq: 11 Feb 2025 16:46

Tgt Ion: 117 Resp: 168042
Ion Ratio Lower Upper
117 100
82 60.8 47.5 71.3
119 32.0 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: VX044910.D

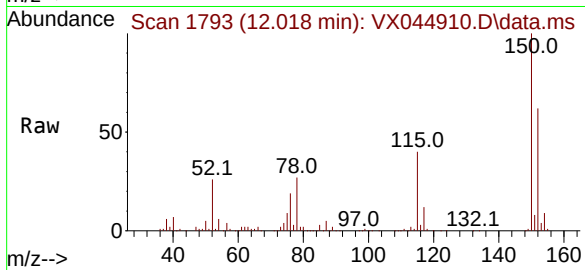
Acq: 11 Feb 2025 16:46

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-TB-20250203



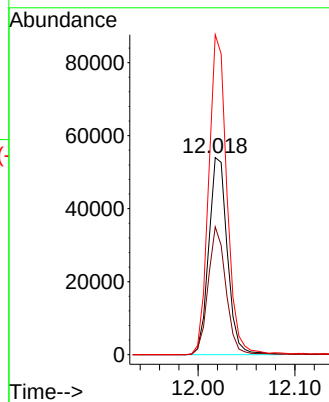
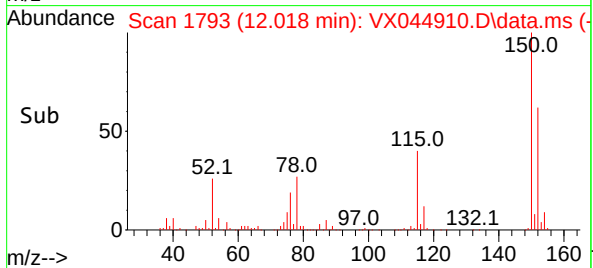
Tgt Ion:152 Resp: 72398

Ion Ratio Lower Upper

152 100

115 62.2 43.4 130.1

150 158.8 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044910.D
Acq On : 11 Feb 2025 16:46
Operator : JC/MD
Sample : Q1327-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250203

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: VX044910.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	22	25	31	rBV2	5501	9838	1.61%	0.313%
2	1.568	69	79	80	rBV3	3873	7421	1.22%	0.236%
3	1.629	80	89	91	rVB4	6226	17407	2.86%	0.553%
4	5.379	693	704	716	rBV2	67378	198603	32.58%	6.313%
5	5.543	721	731	756	rVB	94719	279849	45.91%	8.895%
6	5.952	789	798	816	rBV	75289	204801	33.60%	6.510%
7	6.756	921	930	947	rBV	173089	430998	70.70%	13.700%
8	8.646	1233	1240	1256	rBV	369048	609578	100.00%	19.376%
9	10.049	1465	1470	1485	rBV	363590	534516	87.69%	16.990%
10	11.079	1634	1639	1657	rBV	294336	389432	63.89%	12.379%
11	12.018	1788	1793	1805	rBV	355906	463585	76.05%	14.736%

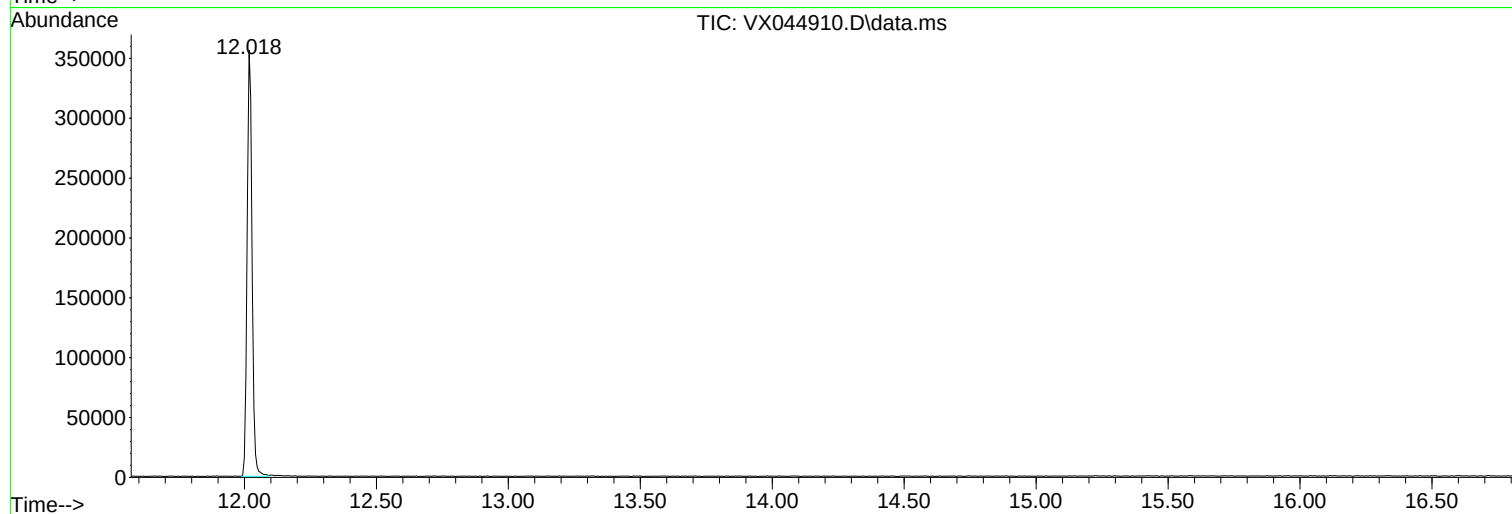
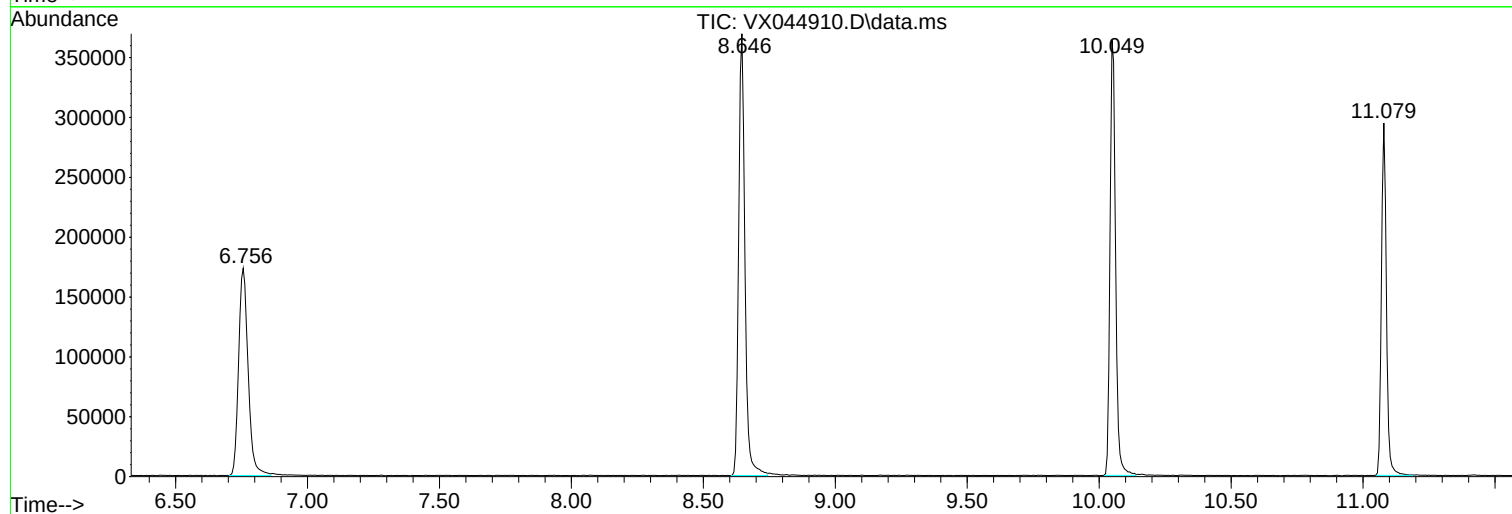
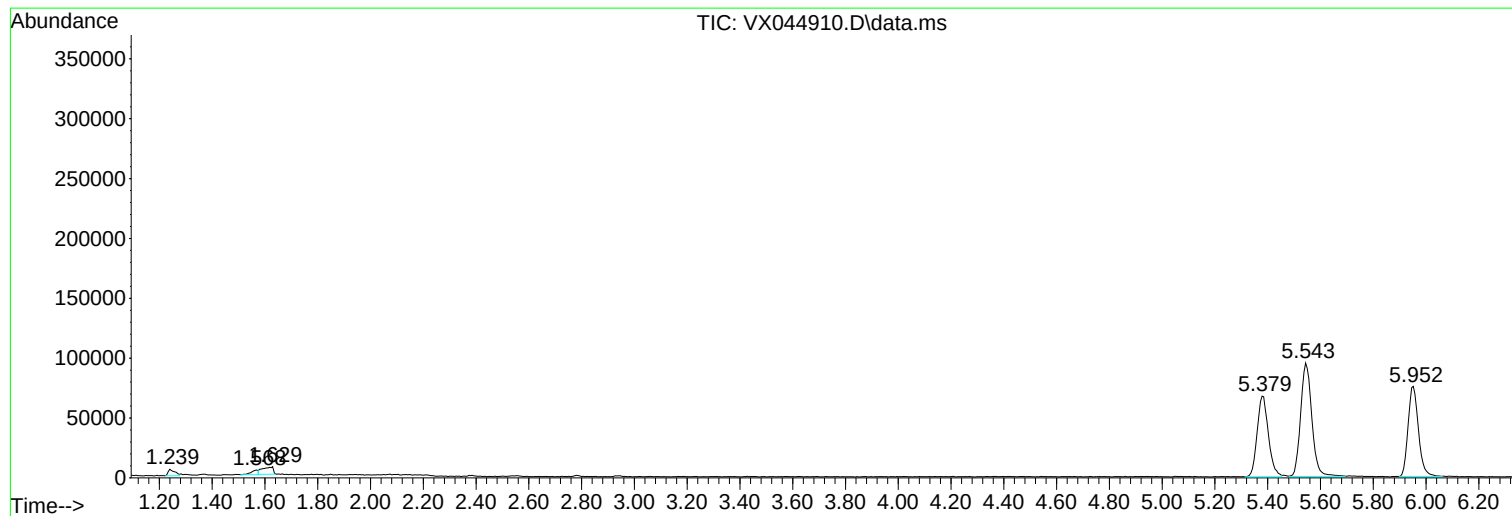
Sum of corrected areas: 3146028

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044910.D
Acq On : 11 Feb 2025 16:46
Operator : JC/MD
Sample : Q1327-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250203

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\VX021125\
Data File : VX044910.D
Acq On : 11 Feb 2025 16:46
Operator : JC/MD
Sample : Q1327-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250203

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\VX021125\
Data File : VX044910.D
Acq On : 11 Feb 2025 16:46
Operator : JC/MD
Sample : Q1327-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250203

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

TIC Library : C:\Database\NIST0.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:	02/04/25		
Project:	CTO WE13			Date Received:	02/06/25		
Client Sample ID:	BP-VPB-192-DUP-20250204			SDG No.:	Q1327		
Lab Sample ID:	Q1327-03			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
VX044911.D	1		02/11/25 17:09	VX021125

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	11.7		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	0.50	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:	02/04/25	
Project:	CTO WE13		Date Received:	02/06/25	
Client Sample ID:	BP-VPB-192-DUP-20250204		SDG No.:	Q1327	
Lab Sample ID:	Q1327-03		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
VX044911.D	1		02/11/25 17:09	VX021125

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	53.5		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	51.3		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	91800	5.544				
540-36-3	1,4-Difluorobenzene	182000	6.757				
3114-55-4	Chlorobenzene-d5	170000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	71200	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/04/25
Project:	CTO WE13	Date Received:	02/06/25
Client Sample ID:	BP-VPB-192-DUP-20250204	SDG No.:	Q1327
Lab Sample ID:	Q1327-03	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
VX044911.D	1		02/11/25 17:09	VX021125

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\VX021125\
 Data File : VX044911.D
 Acq On : 11 Feb 2025 17:09
 Operator : JC/MD
 Sample : Q1327-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-DUP-20250204

Quant Time: Feb 12 02:45:15 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)

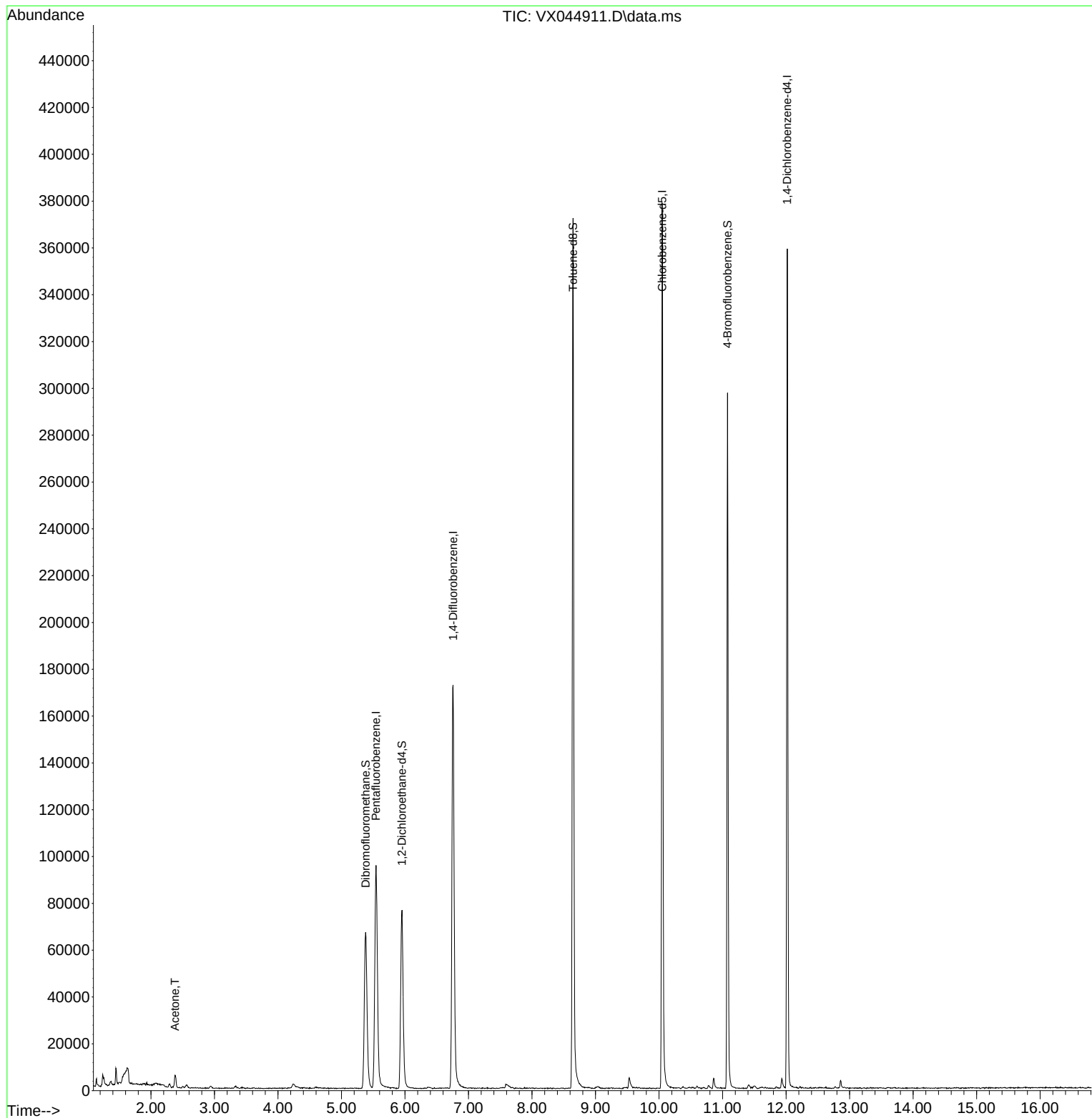
Internal Standards						
1) Pentafluorobenzene	5.544	168	91782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	182308	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	169727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71944	53.549	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.100%	
35) Dibromofluoromethane	5.379	113	60829	51.319	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.640%	
50) Toluene-d8	8.647	98	229787	51.267	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.540%	
62) 4-Bromofluorobenzene	11.079	95	80284	53.132	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.260%	
Target Compounds						
16) Acetone	2.380	43	6319	11.700	ug/l	Qvalue 95

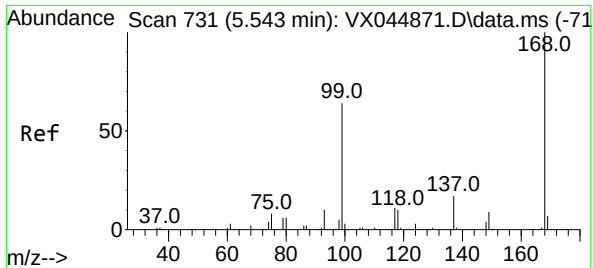
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044911.D
Acq On : 11 Feb 2025 17:09
Operator : JC/MD
Sample : Q1327-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-DUP-20250204

Quant Time: Feb 12 02:45:15 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

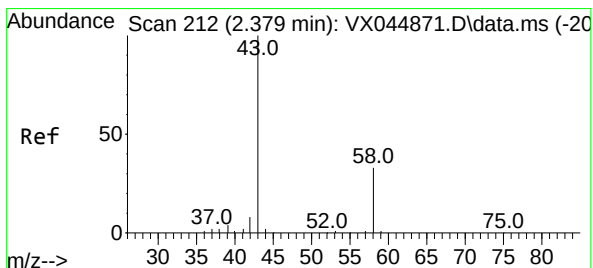
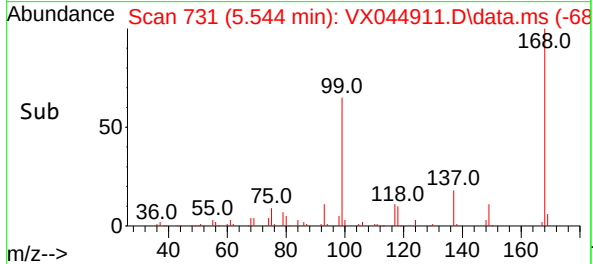
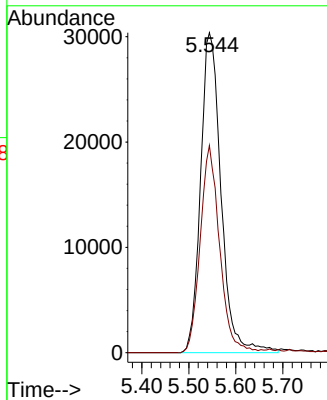
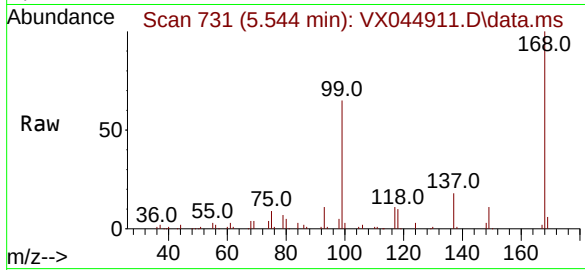




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.001 min
Lab File: VX044911.D
Acq: 11 Feb 2025 17:09

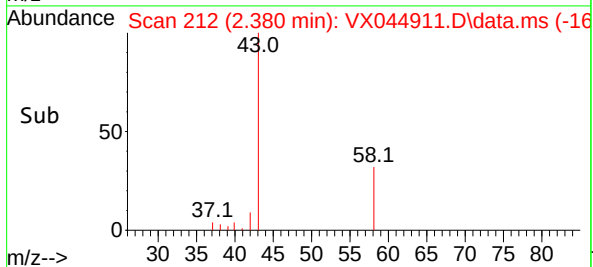
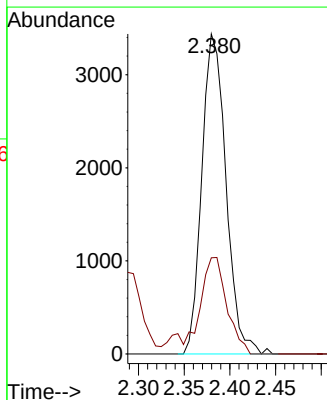
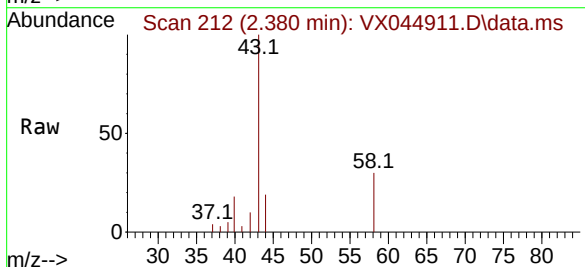
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-DUP-20250204

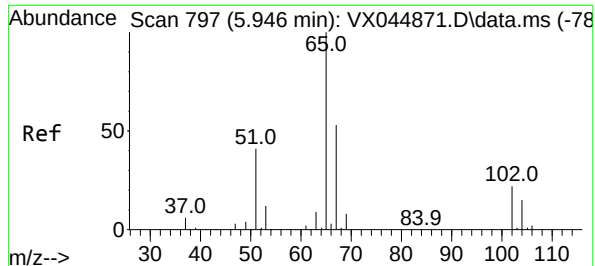
Tgt Ion:168 Resp: 91782
Ion Ratio Lower Upper
168 100
99 64.7 51.2 76.8



#16
Acetone
Concen: 11.700 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044911.D
Acq: 11 Feb 2025 17:09

Tgt Ion: 43 Resp: 6319
Ion Ratio Lower Upper
43 100
58 30.0 26.5 39.7





#33

1,2-Dichloroethane-d4

Concen: 53.549 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044911.D

Acq: 11 Feb 2025 17:09

Instrument :

MSVOA_X

ClientSampleId :

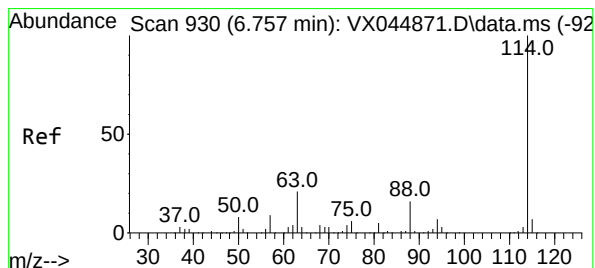
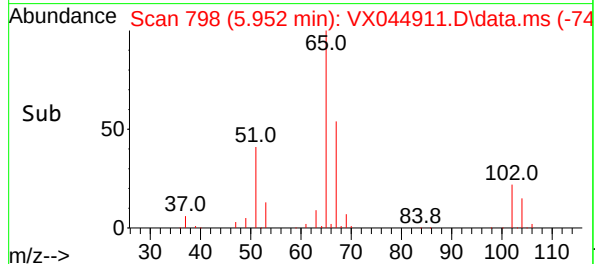
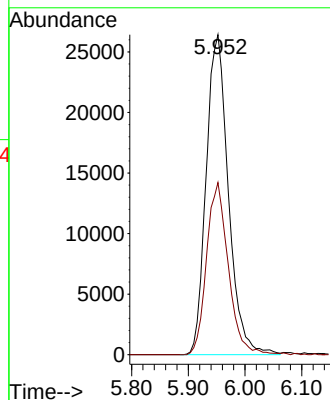
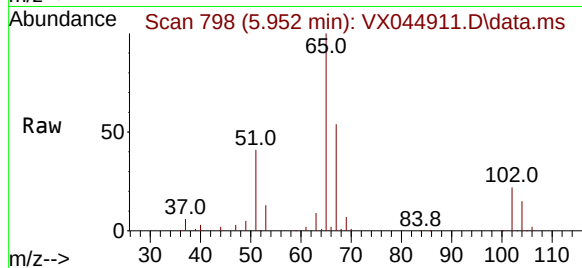
BP-VPB-192-DUP-20250204

Tgt Ion: 65 Resp: 71944

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: VX044911.D

Acq: 11 Feb 2025 17:09

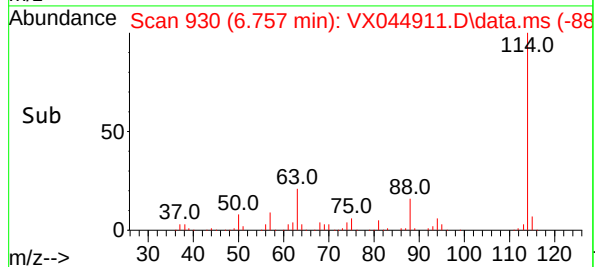
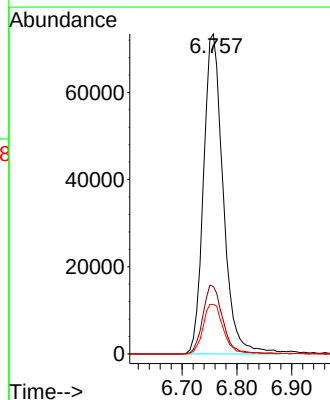
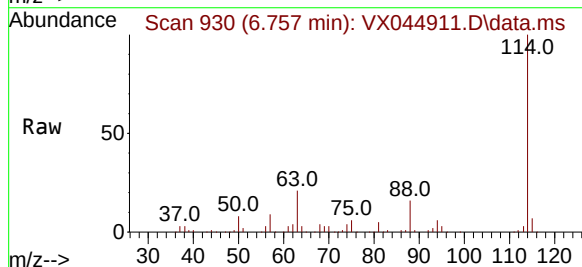
Tgt Ion: 114 Resp: 182308

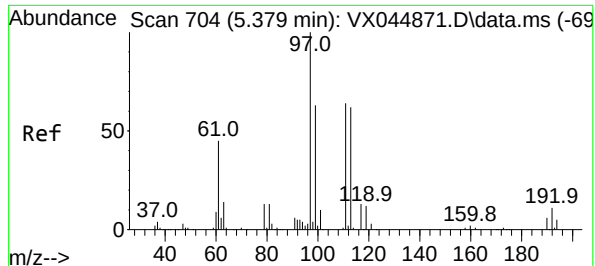
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.4

88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.319 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044911.D

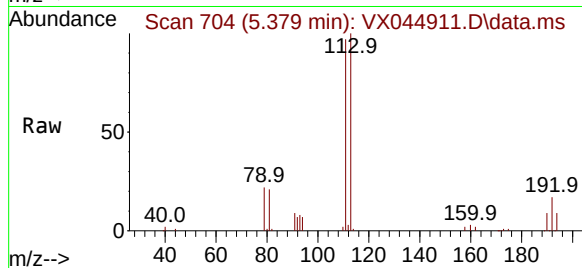
Acq: 11 Feb 2025 17:09

Instrument :

MSVOA_X

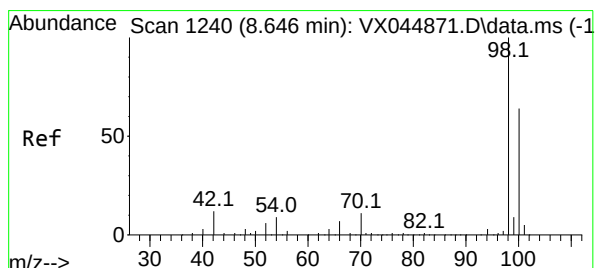
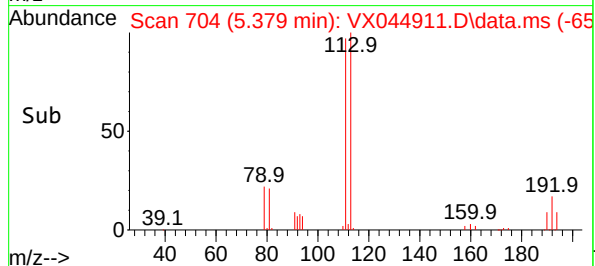
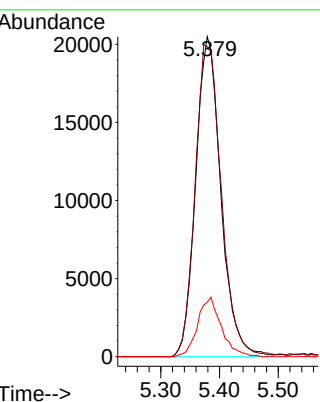
ClientSampleId :

BP-VPB-192-DUP-20250204



Tgt Ion:113 Resp: 60829

Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.5	125.3
192	17.5	14.4	21.6



#50

Toluene-d8

Concen: 51.267 ug/l

RT: 8.647 min Scan# 1240

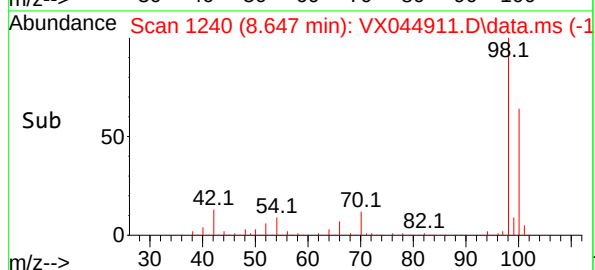
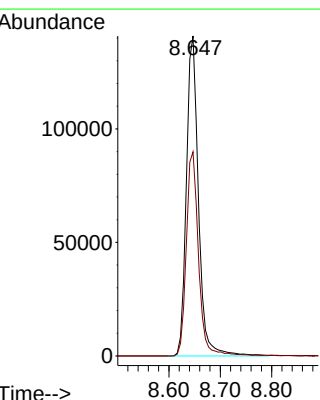
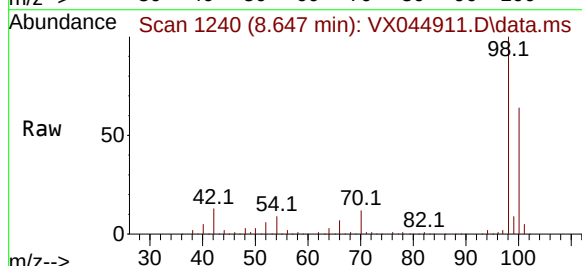
Delta R.T. 0.000 min

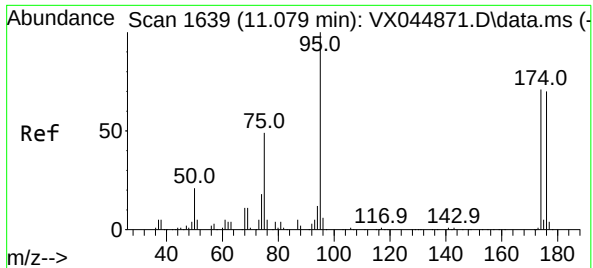
Lab File: VX044911.D

Acq: 11 Feb 2025 17:09

Tgt Ion: 98 Resp: 229787

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.7	79.1

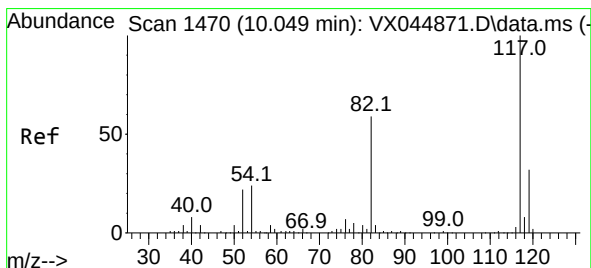
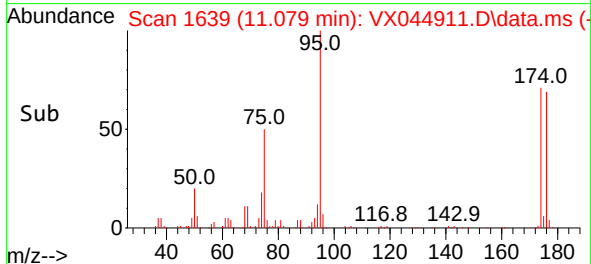
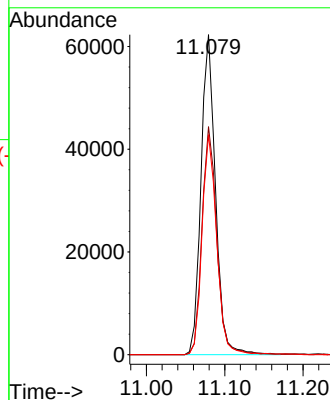
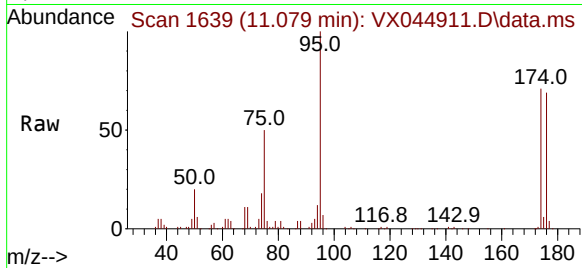




#62
4-Bromofluorobenzene
Concen: 53.132 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044911.D
Acq: 11 Feb 2025 17:09

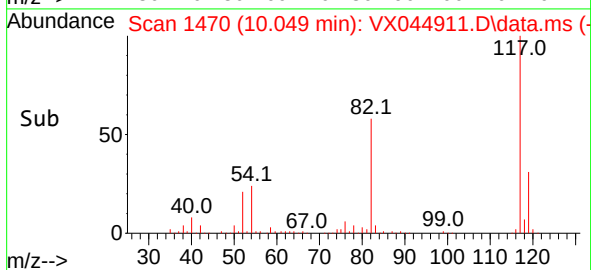
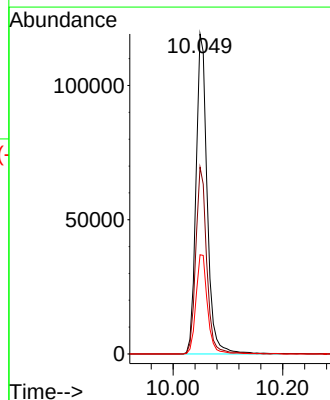
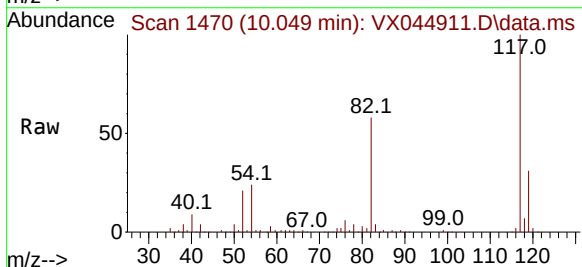
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-DUP-20250204

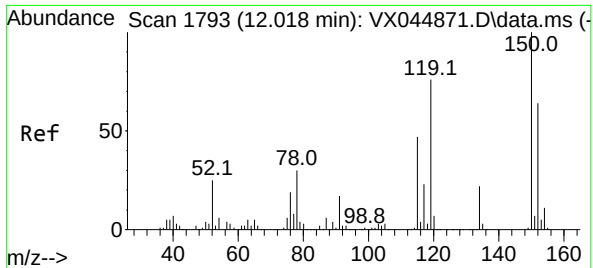
Tgt Ion: 95 Resp: 80284
Ion Ratio Lower Upper
95 100
174 72.8 0.0 142.6
176 69.3 0.0 141.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044911.D
Acq: 11 Feb 2025 17:09

Tgt Ion: 117 Resp: 169727
Ion Ratio Lower Upper
117 100
82 58.3 47.5 71.3
119 31.0 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: VX044911.D

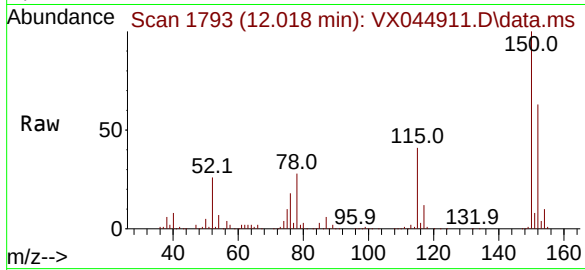
Acq: 11 Feb 2025 17:09

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-DUP-20250204



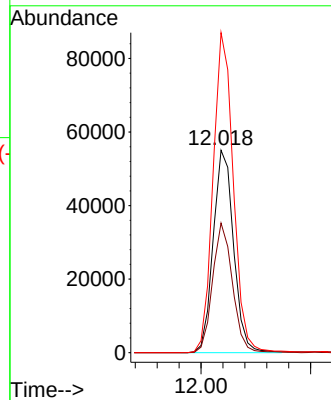
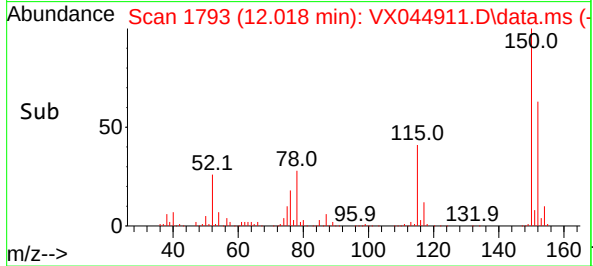
Tgt Ion:152 Resp: 71217

Ion Ratio Lower Upper

152 100

115 62.4 43.4 130.1

150 156.8 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044911.D
Acq On : 11 Feb 2025 17:09
Operator : JC/MD
Sample : Q1327-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-DUP-20250204

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: VX044911.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	20	25	34	rBV3	5236	11681	1.90%	0.368%
2	1.447	56	59	65	rBV	7032	8479	1.38%	0.267%
3	1.624	86	88	96	rVB5	6741	13459	2.19%	0.424%
4	2.380	207	212	219	rVB	5363	9728	1.59%	0.307%
5	5.379	694	704	721	rBV2	66658	200628	32.71%	6.321%
6	5.544	721	731	753	rVV	94949	276813	45.13%	8.722%
7	5.952	787	798	816	rBV	76240	207957	33.90%	6.552%
8	6.757	921	930	947	rBV	172275	429611	70.04%	13.536%
9	8.647	1233	1240	1264	rBV	371731	613358	100.00%	19.326%
10	9.531	1381	1385	1394	rBV5	4521	9488	1.55%	0.299%
11	10.049	1465	1470	1491	rBV	378309	535407	87.29%	16.870%
12	10.860	1599	1603	1612	rBV3	4470	8131	1.33%	0.256%
13	11.079	1634	1639	1660	rBV	297201	386170	62.96%	12.168%
14	11.933	1775	1779	1788	rBV3	4067	6844	1.12%	0.216%
15	12.018	1788	1793	1805	rBV	358495	455998	74.34%	14.368%

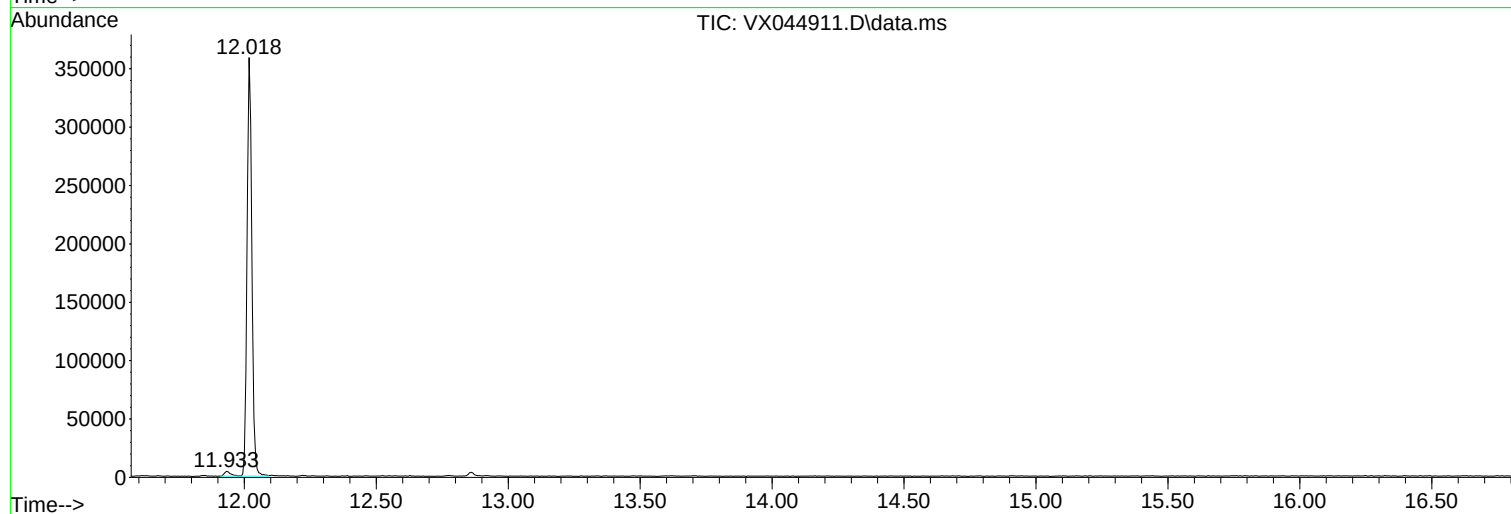
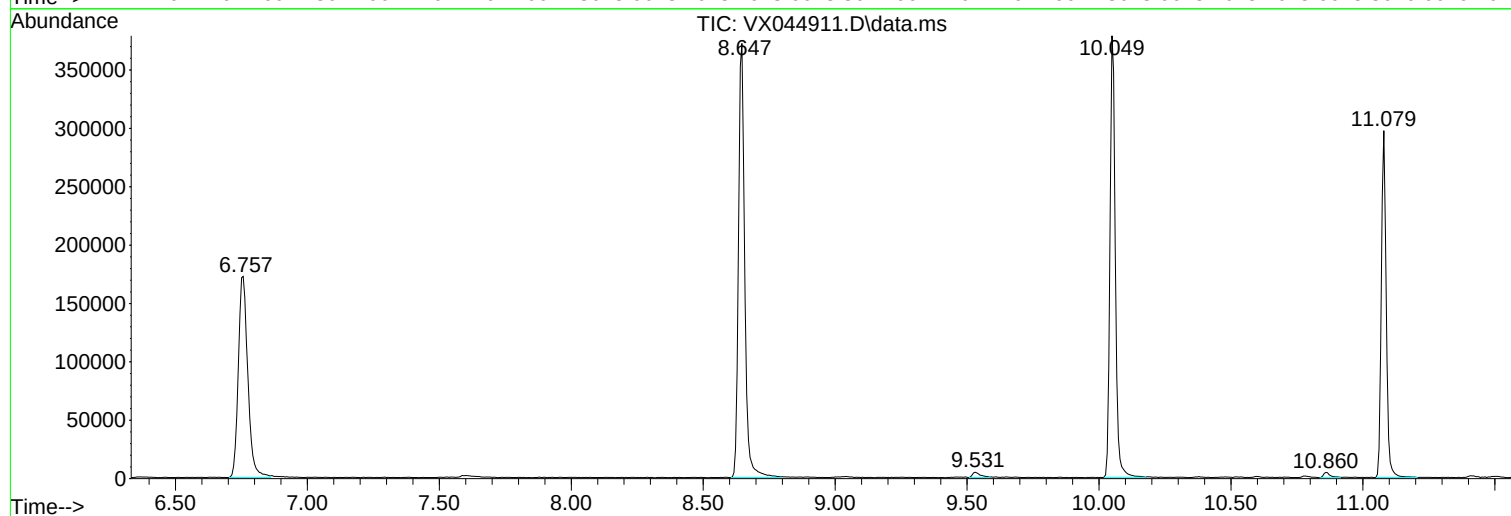
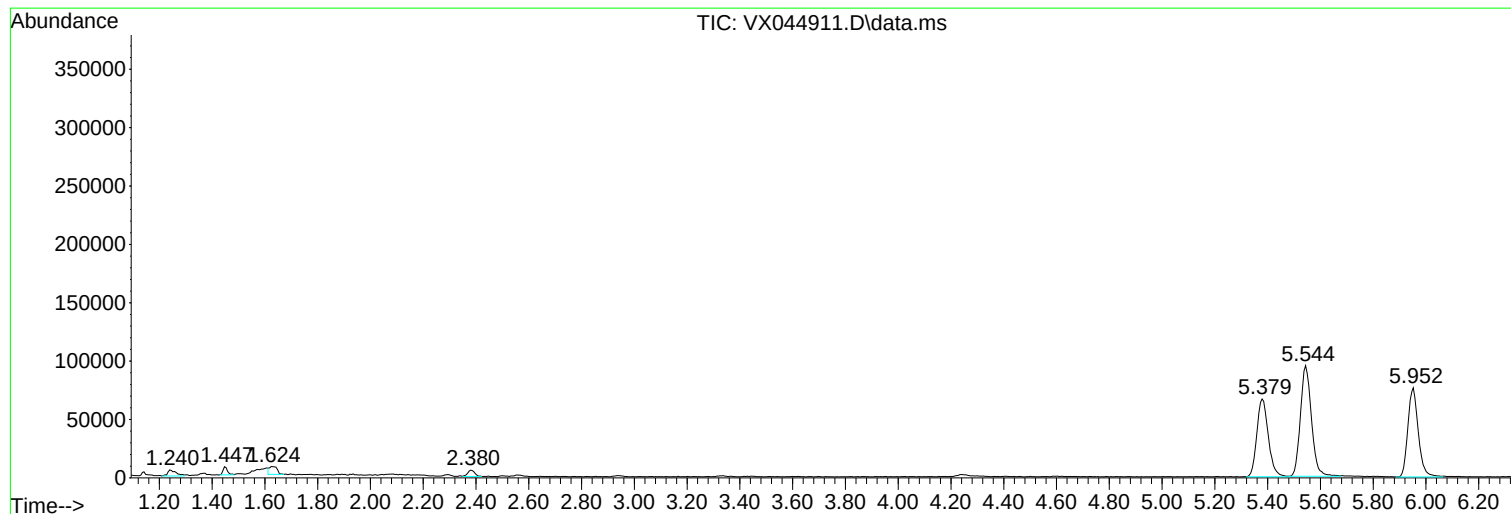
Sum of corrected areas: 3173752

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044911.D
Acq On : 11 Feb 2025 17:09
Operator : JC/MD
Sample : Q1327-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-DUP-20250204

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\VX021125\
Data File : VX044911.D
Acq On : 11 Feb 2025 17:09
Operator : JC/MD
Sample : Q1327-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-DUP-20250204

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\VX021125\
Data File : VX044911.D
Acq On : 11 Feb 2025 17:09
Operator : JC/MD
Sample : Q1327-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-DUP-20250204

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

TIC Library : C:\Database\NIST0.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:	02/03/25		
Project:	CTO WE13			Date Received:	02/06/25		
Client Sample ID:	BP-VPB-192-GW-520-522			SDG No.:	Q1327		
Lab Sample ID:	Q1327-04			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
VX044912.D	1		02/11/25 17:33	VX021125

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	15.1		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	2.00		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:	02/03/25
Project:	CTO WE13	Date Received:	02/06/25
Client Sample ID:	BP-VPB-192-GW-520-522	SDG No.:	Q1327
Lab Sample ID:	Q1327-04	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
VX044912.D	1		02/11/25 17:33	VX021125

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	55.0		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.7		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	88400	5.55				
540-36-3	1,4-Difluorobenzene	181000	6.757				
3114-55-4	Chlorobenzene-d5	161000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	67900	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/03/25	
Project:	CTO WE13		Date Received:	02/06/25	
Client Sample ID:	BP-VPB-192-GW-520-522		SDG No.:	Q1327	
Lab Sample ID:	Q1327-04		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
VX044912.D	1		02/11/25 17:33	VX021125

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\VX021125\
 Data File : VX044912.D
 Acq On : 11 Feb 2025 17:33
 Operator : JC/MD
 Sample : Q1327-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-520-522

Quant Time: Feb 12 02:45:35 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)

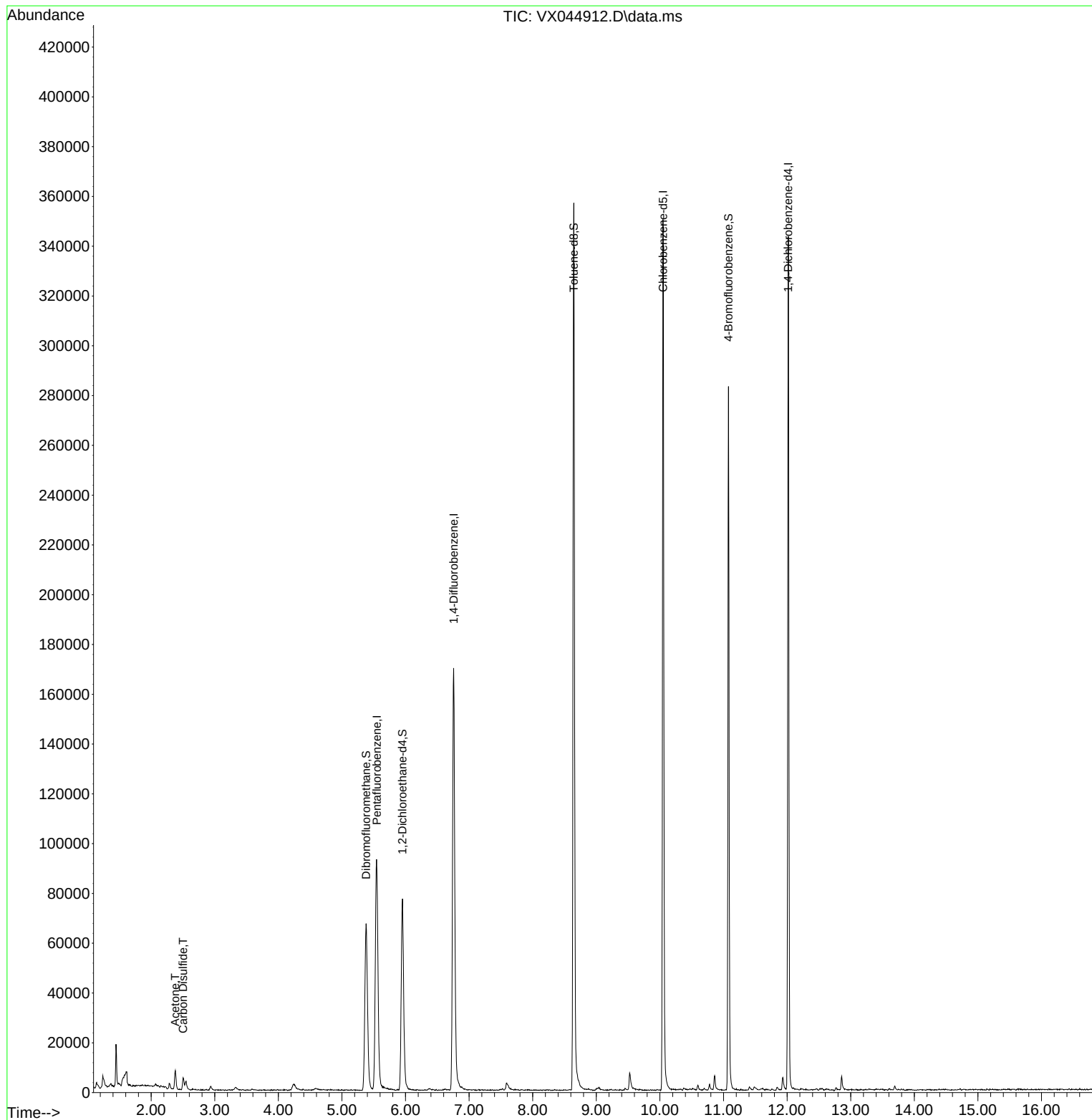
Internal Standards						
1) Pentafluorobenzene	5.550	168	88393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	180540	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	161074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71210	55.035	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.060%
35) Dibromofluoromethane	5.379	113	59009	50.271	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.540%
50) Toluene-d8	8.647	98	220692	49.720	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.440%
62) 4-Bromofluorobenzene	11.079	95	74852	50.023	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.040%
Target Compounds						Qvalue
16) Acetone	2.380	43	7866	15.122	ug/l	99
17) Carbon Disulfide	2.502	76	6303	2.017	ug/l	100

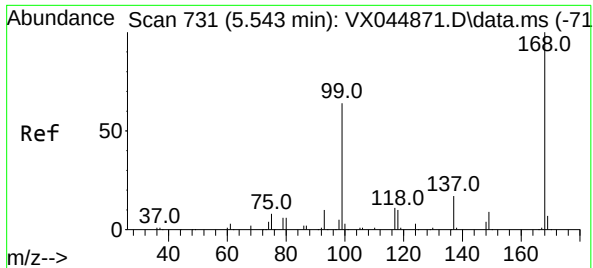
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044912.D
Acq On : 11 Feb 2025 17:33
Operator : JC/MD
Sample : Q1327-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-520-522

Quant Time: Feb 12 02:45:35 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: VX044912.D

Acq: 11 Feb 2025 17:33

Instrument :

MSVOA_X

ClientSampleId :

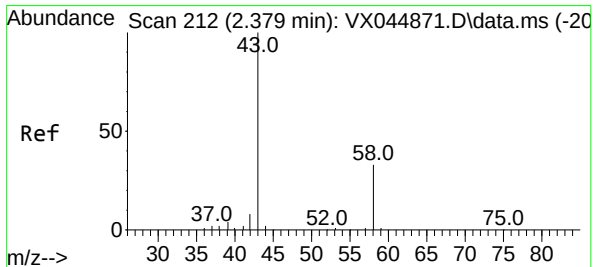
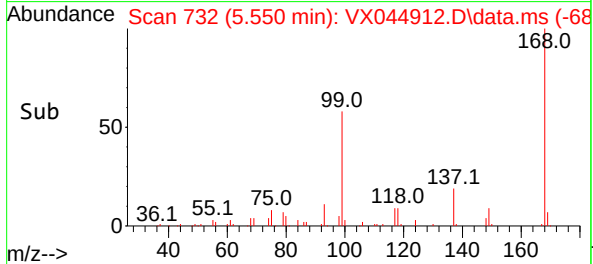
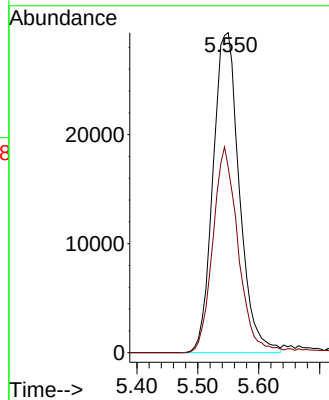
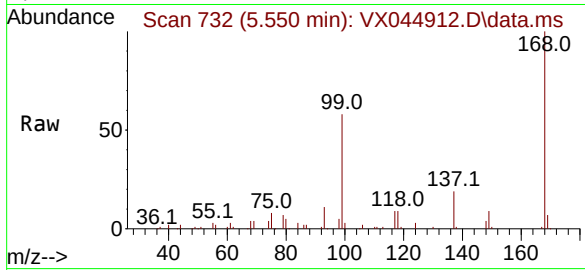
BP-VPB-192-GW-520-522

Tgt Ion:168 Resp: 88393

Ion Ratio Lower Upper

168 100

99 57.9 51.2 76.8



#16

Acetone

Concen: 15.122 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX044912.D

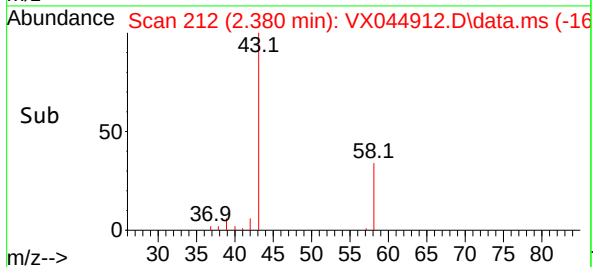
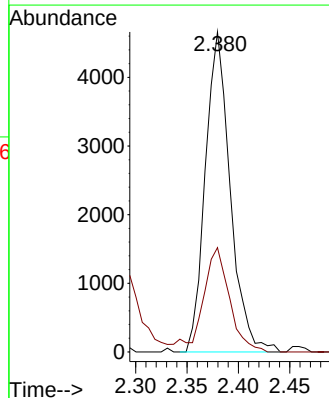
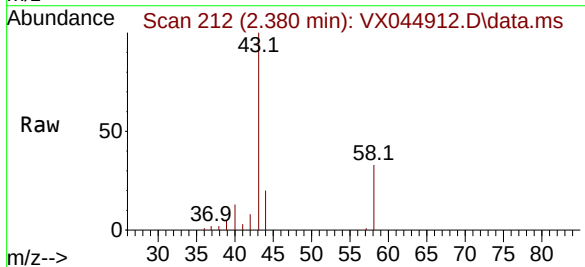
Acq: 11 Feb 2025 17:33

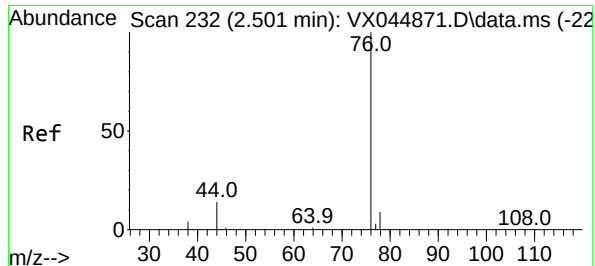
Tgt Ion: 43 Resp: 7866

Ion Ratio Lower Upper

43 100

58 32.6 26.5 39.7





#17

Carbon Disulfide

Concen: 2.017 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044912.D

Acq: 11 Feb 2025 17:33

Instrument :

MSVOA_X

ClientSampleId :

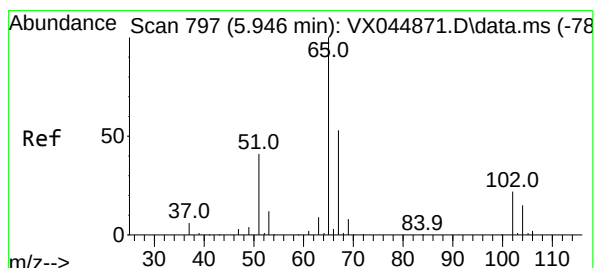
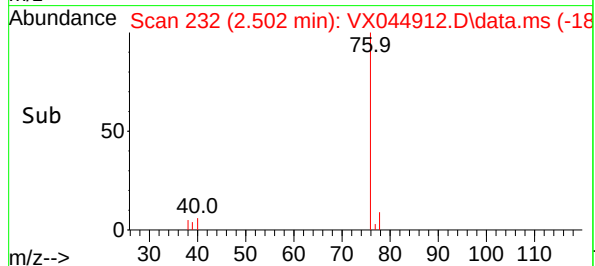
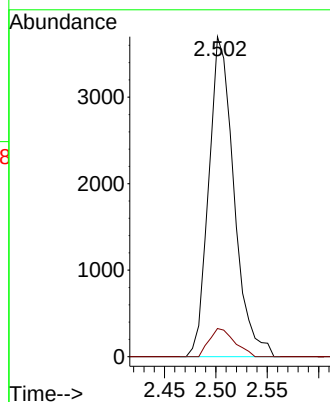
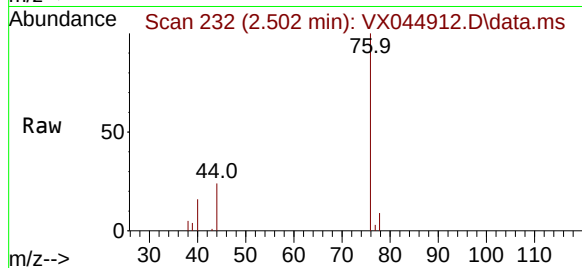
BP-VPB-192-GW-520-522

Tgt Ion: 76 Resp: 6303

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4



#33

1,2-Dichloroethane-d4

Concen: 55.035 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX044912.D

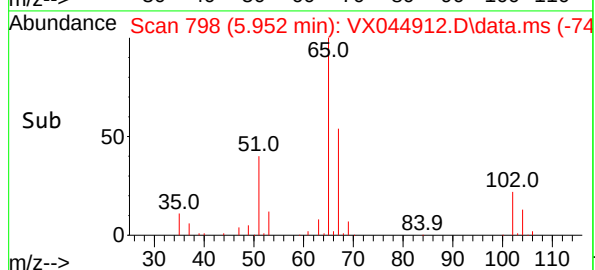
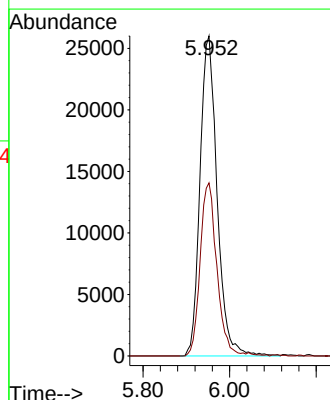
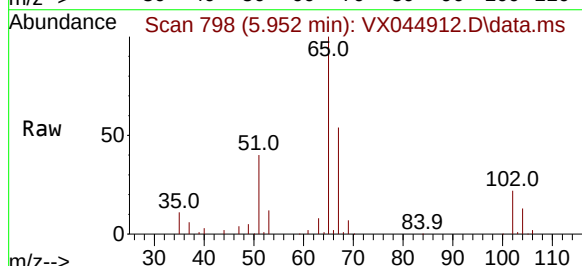
Acq: 11 Feb 2025 17:33

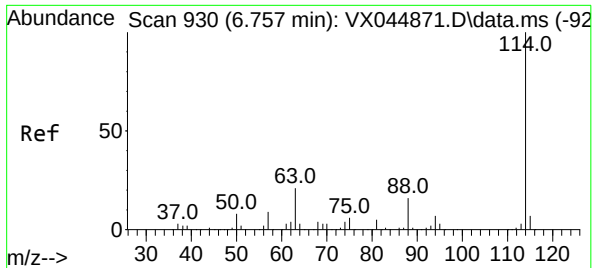
Tgt Ion: 65 Resp: 71210

Ion Ratio Lower Upper

65 100

67 52.7 0.0 108.2

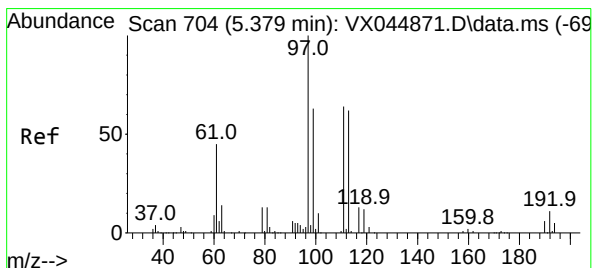
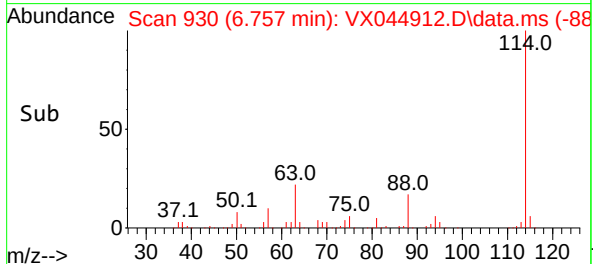
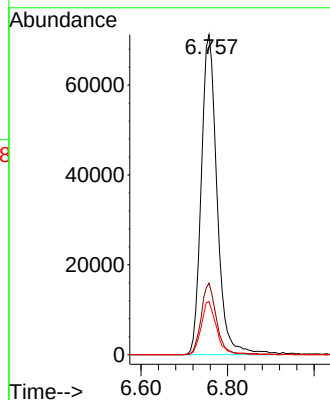
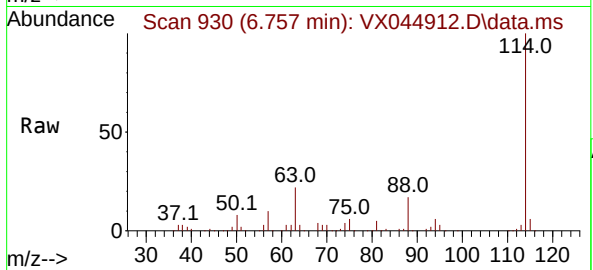




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044912.D
Acq: 11 Feb 2025 17:33

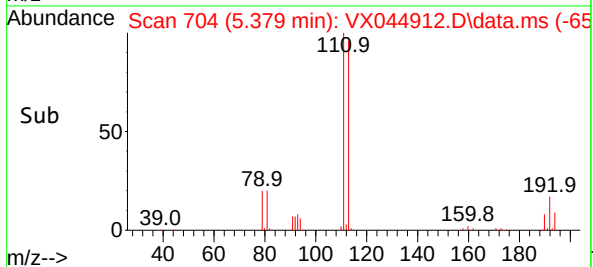
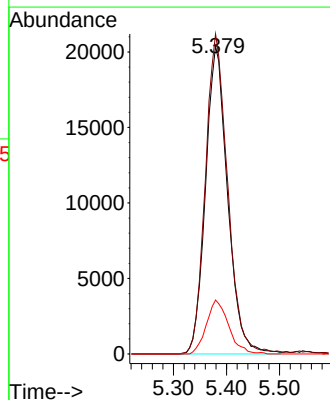
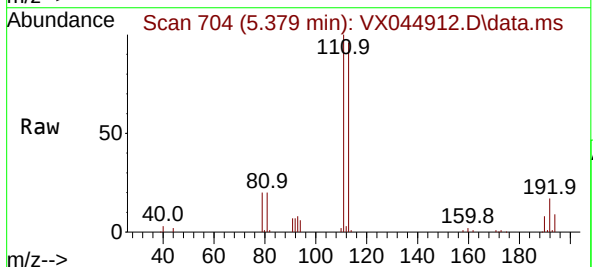
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-520-522

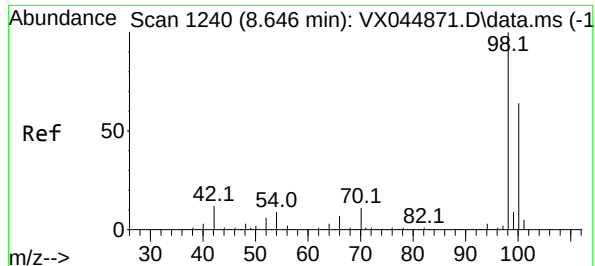
Tgt Ion:114 Resp: 180540
Ion Ratio Lower Upper
114 100
63 22.3 0.0 42.4
88 16.6 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.271 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044912.D
Acq: 11 Feb 2025 17:33

Tgt Ion:113 Resp: 59009
Ion Ratio Lower Upper
113 100
111 105.2 83.5 125.3
192 17.6 14.4 21.6





#50

Toluene-d8

Concen: 49.720 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044912.D

Acq: 11 Feb 2025 17:33

Instrument :

MSVOA_X

ClientSampleId :

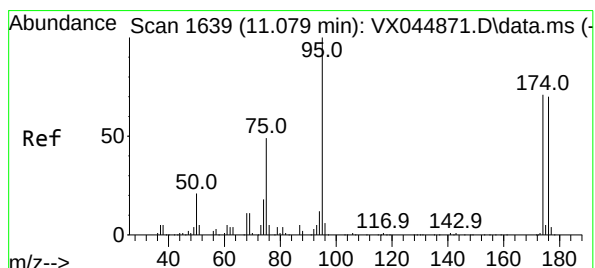
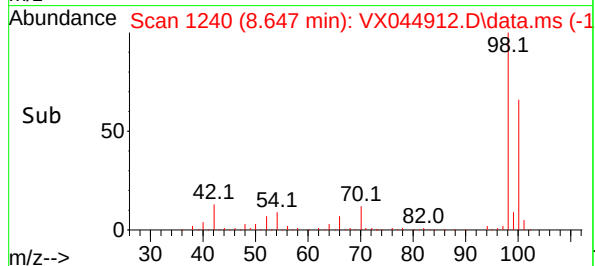
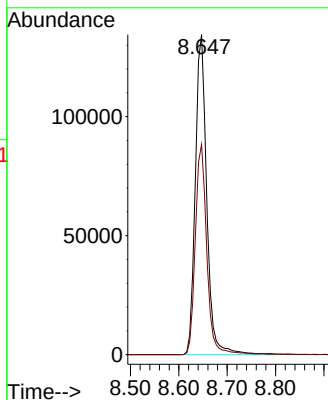
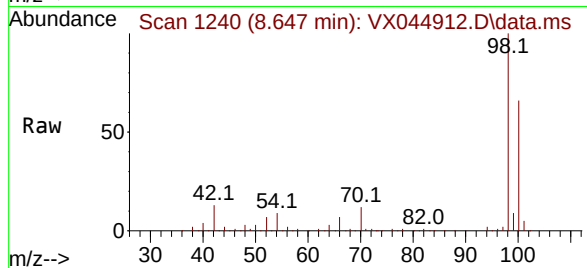
BP-VPB-192-GW-520-522

Tgt Ion: 98 Resp: 220692

Ion Ratio Lower Upper

98 100

100 66.2 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 50.023 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044912.D

Acq: 11 Feb 2025 17:33

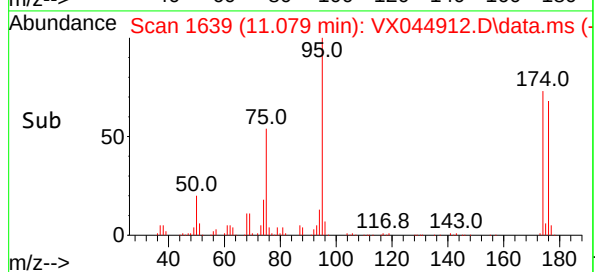
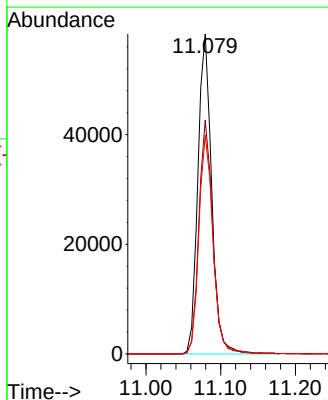
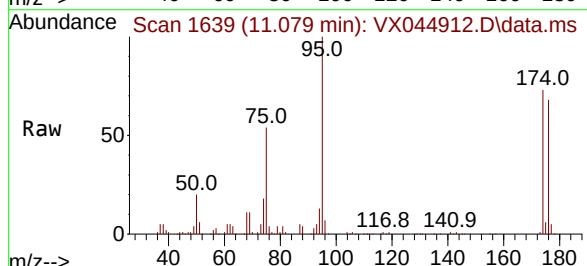
Tgt Ion: 95 Resp: 74852

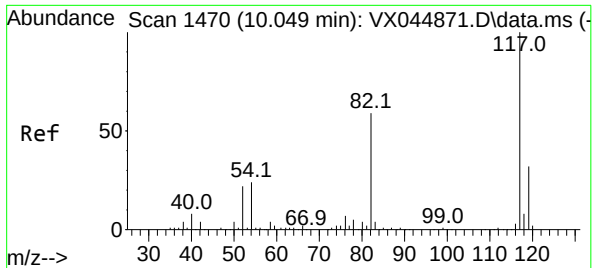
Ion Ratio Lower Upper

95 100

174 73.6 0.0 142.6

176 70.1 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: VX044912.D

Acq: 11 Feb 2025 17:33

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-520-522

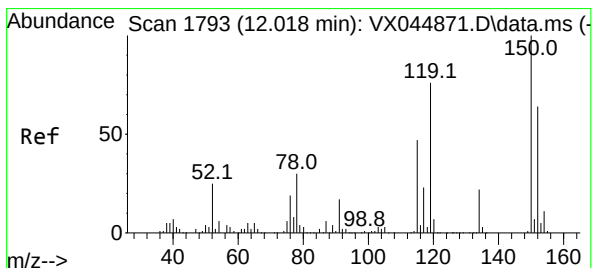
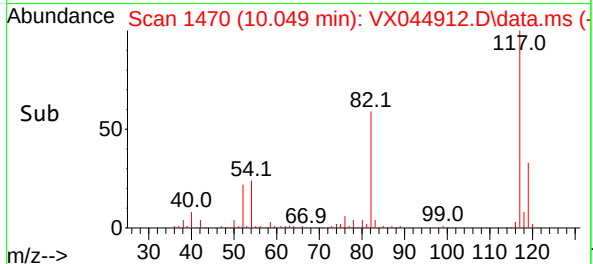
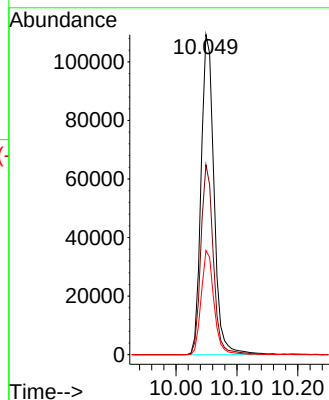
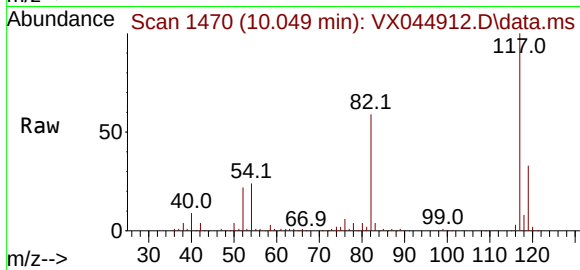
Tgt Ion:117 Resp: 161074

Ion Ratio Lower Upper

117 100

82 59.4 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# 1793

Delta R.T. 0.000 min

Lab File: VX044912.D

Acq: 11 Feb 2025 17:33

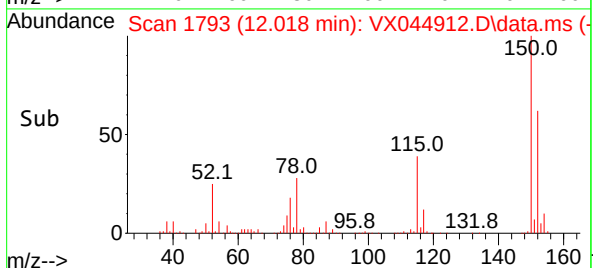
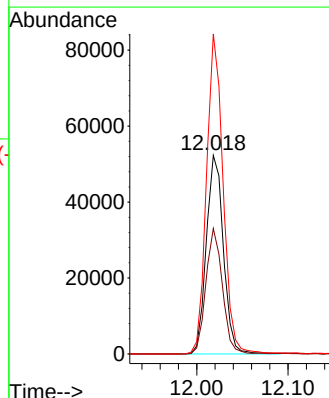
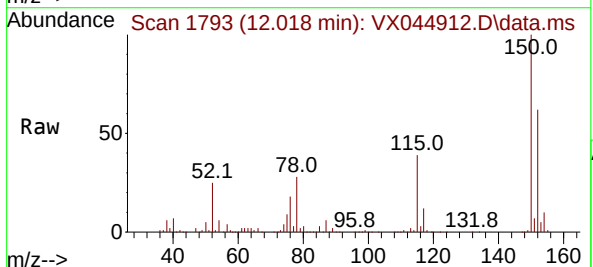
Tgt Ion:152 Resp: 67868

Ion Ratio Lower Upper

152 100

115 60.9 43.4 130.1

150 156.3 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044912.D
 Acq On : 11 Feb 2025 17:33
 Operator : JC/MD
 Sample : Q1327-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-520-522

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\82X021025W.M
 Title : SW846 8260

Signal : TIC: VX044912.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	19	25	33	rBV3	4925	10994	1.85%	0.353%
2	1.447	54	59	64	rBV	17026	19684	3.31%	0.632%
3	1.563	72	78	79	rBV3	3405	6229	1.05%	0.200%
4	2.380	207	212	220	rVB	7594	12779	2.15%	0.410%
5	2.502	227	232	236	rBV2	4896	8665	1.46%	0.278%
6	2.550	236	240	251	rVB2	3635	7662	1.29%	0.246%
7	4.245	510	518	527	rBV6	2433	8326	1.40%	0.267%
8	5.379	694	704	718	rBV2	67007	196779	33.07%	6.317%
9	5.544	721	731	750	rVV2	92299	270318	45.43%	8.677%
10	5.952	789	798	814	rBV2	76833	203574	34.21%	6.535%
11	6.757	920	930	949	rBV	169605	422767	71.05%	13.571%
12	7.592	1060	1067	1076	rBV3	2832	7641	1.28%	0.245%
13	8.647	1233	1240	1259	rBV	356388	594987	100.00%	19.099%
14	9.525	1379	1384	1392	rBV4	6721	12806	2.15%	0.411%
15	10.049	1465	1470	1489	rBV	349540	510668	85.83%	16.393%
16	10.860	1599	1603	1612	rVV3	5555	8965	1.51%	0.288%
17	11.079	1634	1639	1651	rBV	282438	363556	61.10%	11.670%
18	11.933	1773	1779	1788	rBV2	5049	9267	1.56%	0.297%
19	12.018	1788	1793	1805	rVV	342645	431586	72.54%	13.854%
20	12.859	1927	1931	1938	rBV4	5391	7967	1.34%	0.256%

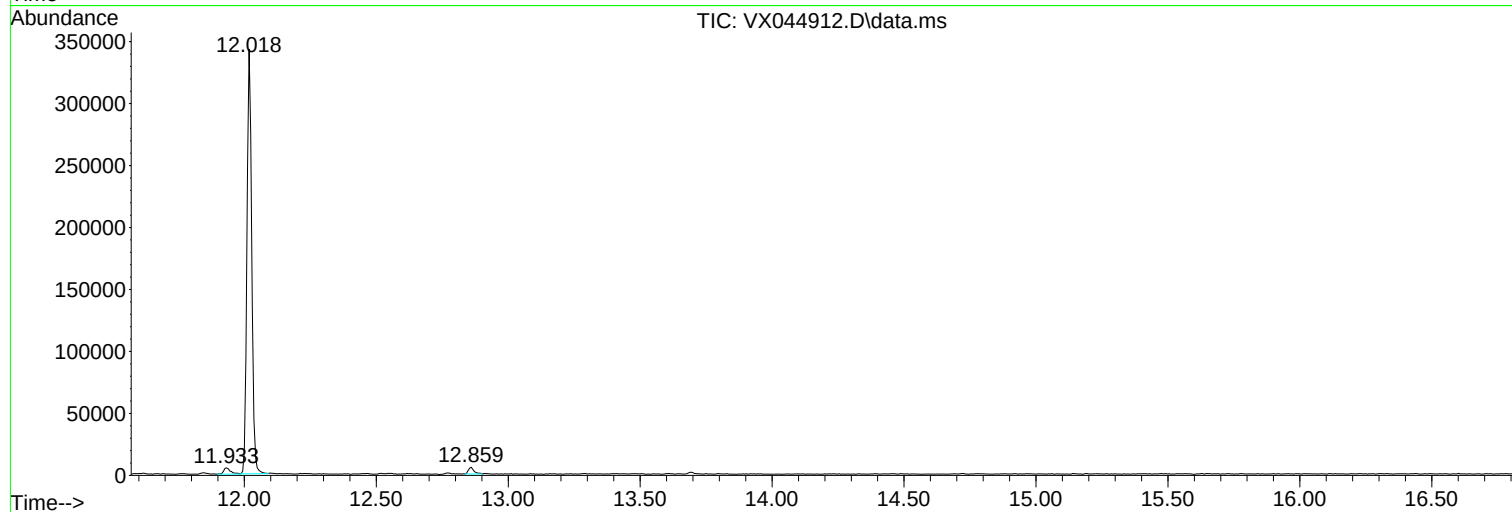
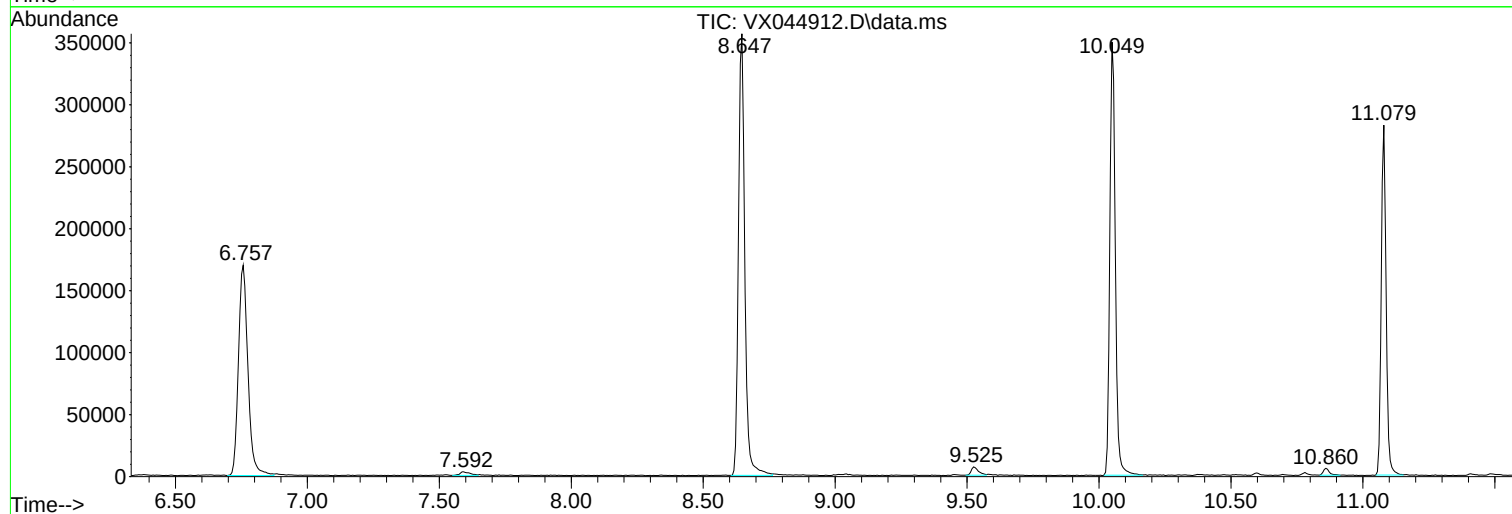
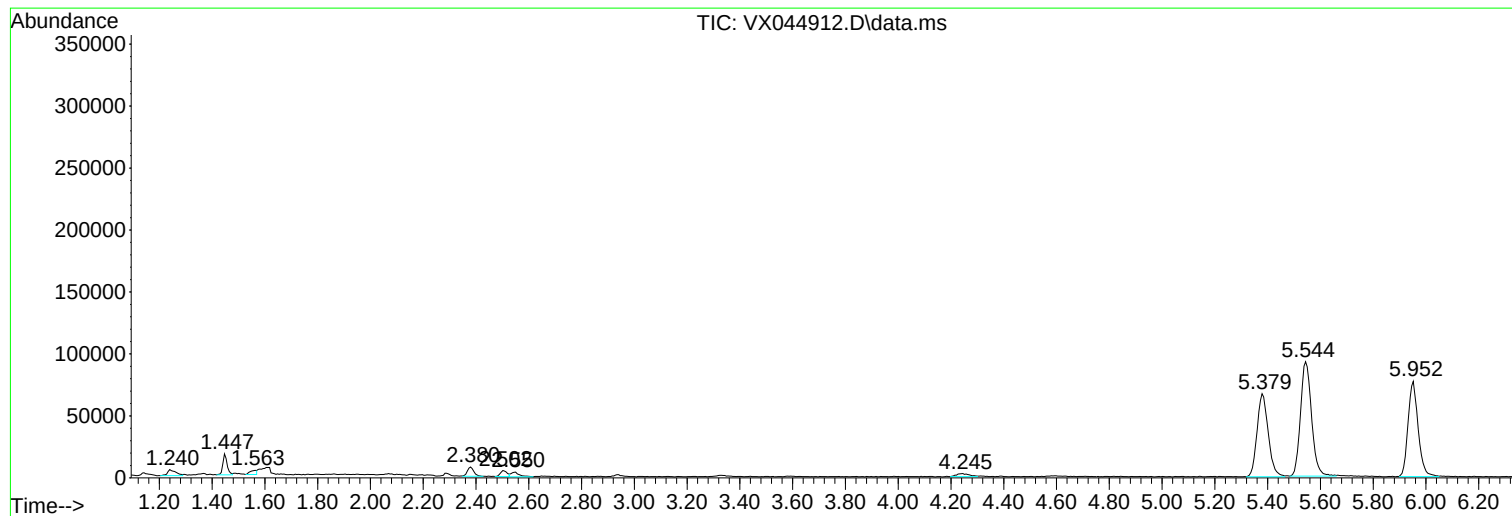
Sum of corrected areas: 3115220

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044912.D
Acq On : 11 Feb 2025 17:33
Operator : JC/MD
Sample : Q1327-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-520-522

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\VX021125\
Data File : VX044912.D
Acq On : 11 Feb 2025 17:33
Operator : JC/MD
Sample : Q1327-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-520-522

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\VX021125\
Data File : VX044912.D
Acq On : 11 Feb 2025 17:33
Operator : JC/MD
Sample : Q1327-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-520-522

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

TIC Library : C:\Database\NIST0.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:	02/04/25		
Project:	CTO WE13			Date Received:	02/06/25		
Client Sample ID:	BP-VPB-192-GW-540-542			SDG No.:	Q1327		
Lab Sample ID:	Q1327-05			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
VX044913.D	1		02/11/25 17:56	VX021125

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	14.5		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:	02/04/25
Project:	CTO WE13	Date Received:	02/06/25
Client Sample ID:	BP-VPB-192-GW-540-542	SDG No.:	Q1327
Lab Sample ID:	Q1327-05	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
VX044913.D	1		02/11/25 17:56	VX021125

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	54.0		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.5		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	86100	5.544				
540-36-3	1,4-Difluorobenzene	175000	6.757				
3114-55-4	Chlorobenzene-d5	160000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	67800	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/04/25
Project:	CTO WE13	Date Received:	02/06/25
Client Sample ID:	BP-VPB-192-GW-540-542	SDG No.:	Q1327
Lab Sample ID:	Q1327-05	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
VX044913.D	1		02/11/25 17:56	VX021125

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\VX021125\
 Data File : VX044913.D
 Acq On : 11 Feb 2025 17:56
 Operator : JC/MD
 Sample : Q1327-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-540-542

Quant Time: Feb 12 02:45:55 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)

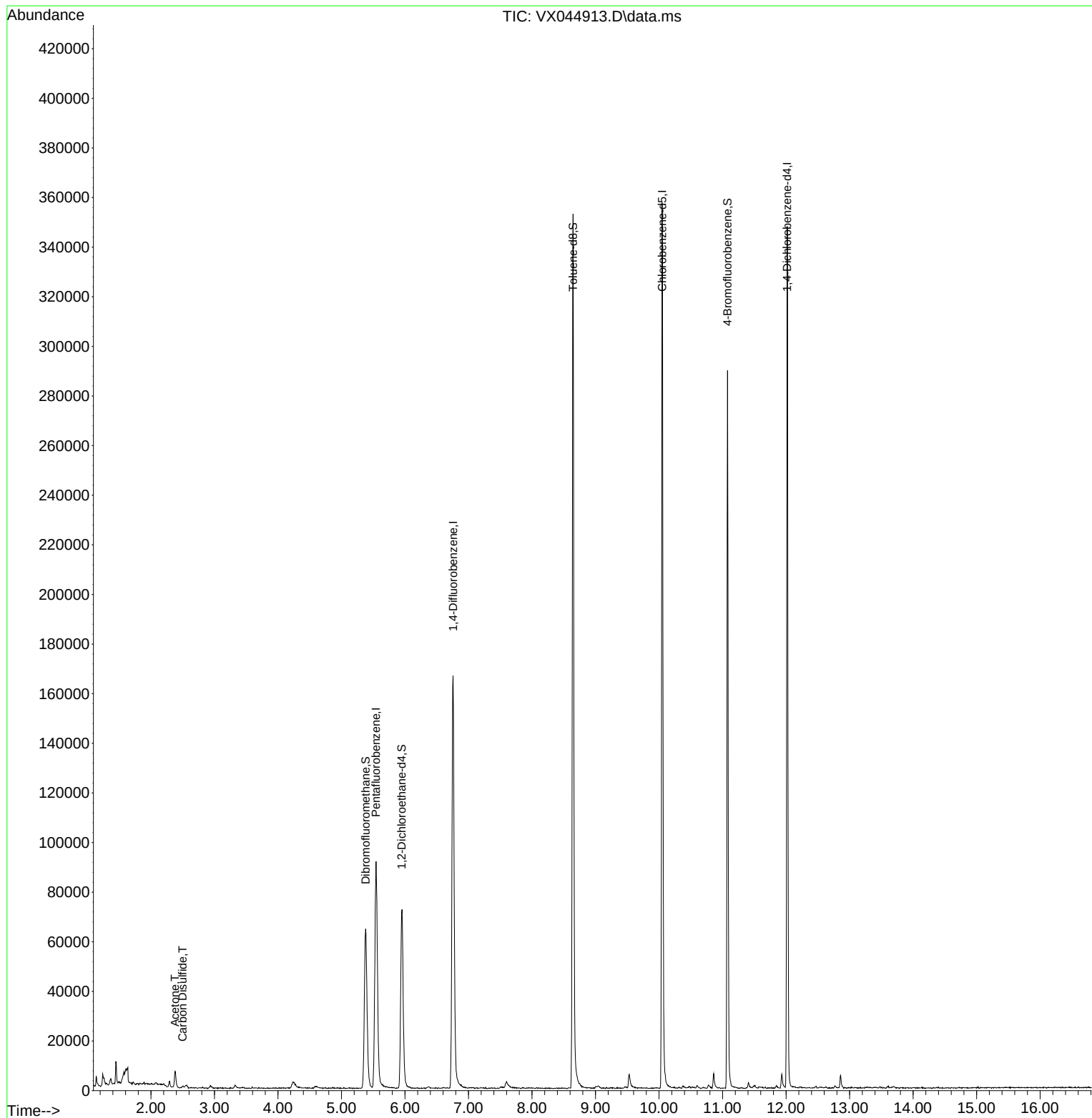
Internal Standards						
1) Pentafluorobenzene	5.544	168	86070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	174840	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	160189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	68009	53.979	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.960%	
35) Dibromofluoromethane	5.379	113	58043	51.060	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.120%	
50) Toluene-d8	8.647	98	216863	50.451	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.900%	
62) 4-Bromofluorobenzene	11.079	95	74774	51.600	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.200%	
Target Compounds						Qvalue
16) Acetone	2.380	43	7331	14.474	ug/l	97
17) Carbon Disulfide	2.495	76	771	0.253	ug/l #	82

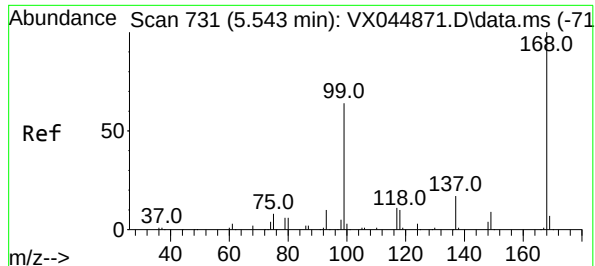
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044913.D
Acq On : 11 Feb 2025 17:56
Operator : JC/MD
Sample : Q1327-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-540-542

Quant Time: Feb 12 02:45:55 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: VX044913.D

Acq: 11 Feb 2025 17:56

Instrument :

MSVOA_X

ClientSampleId :

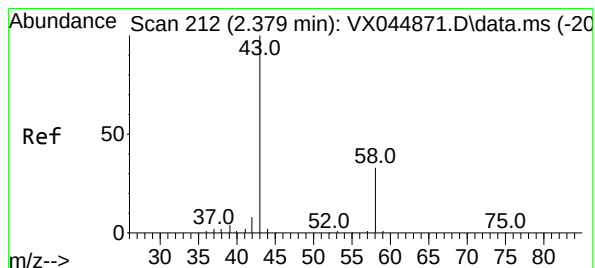
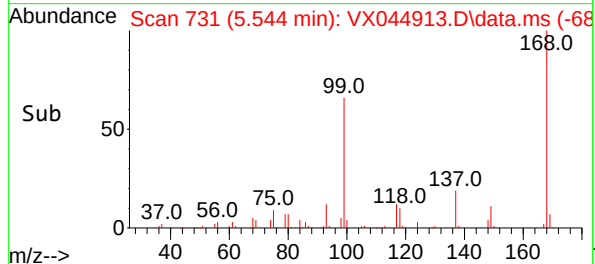
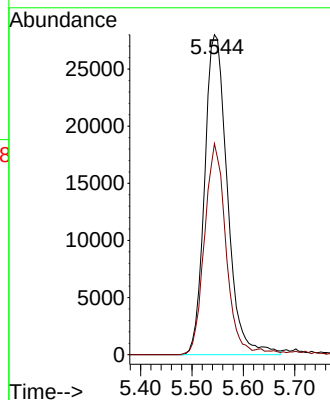
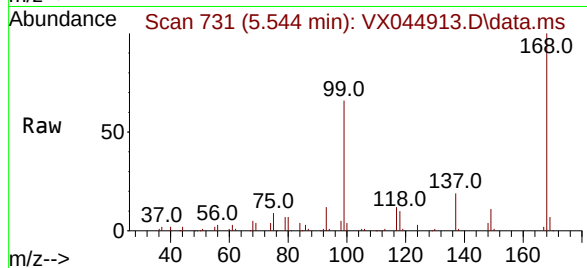
BP-VPB-192-GW-540-542

Tgt Ion:168 Resp: 86070

Ion Ratio Lower Upper

168 100

99 66.0 51.2 76.8



#16

Acetone

Concen: 14.474 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX044913.D

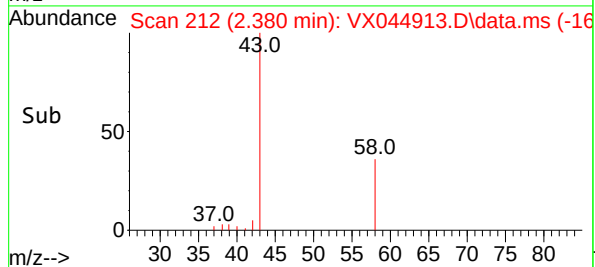
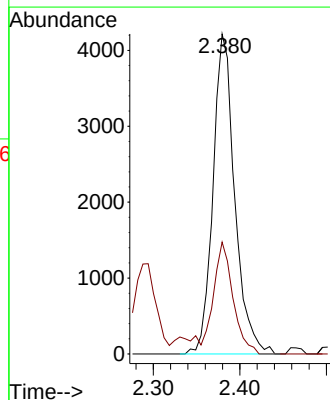
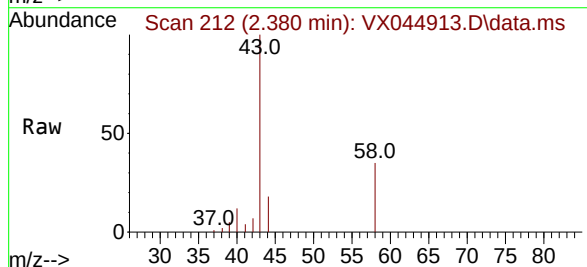
Acq: 11 Feb 2025 17:56

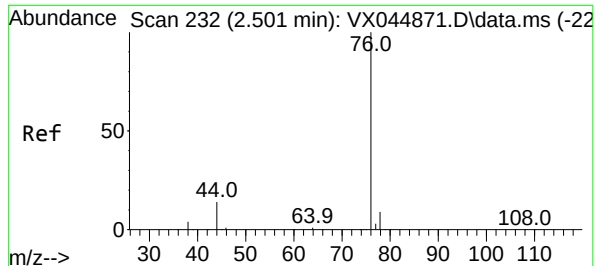
Tgt Ion: 43 Resp: 7331

Ion Ratio Lower Upper

43 100

58 35.0 26.5 39.7





#17

Carbon Disulfide

Concen: 0.253 ug/l

RT: 2.495 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX044913.D

Acq: 11 Feb 2025 17:56

Instrument :

MSVOA_X

ClientSampleId :

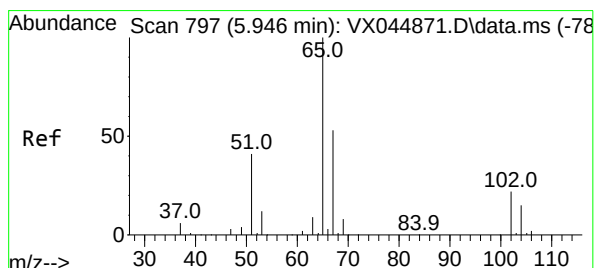
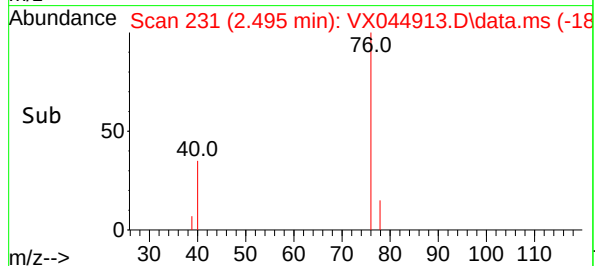
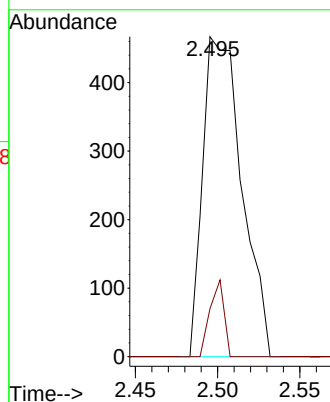
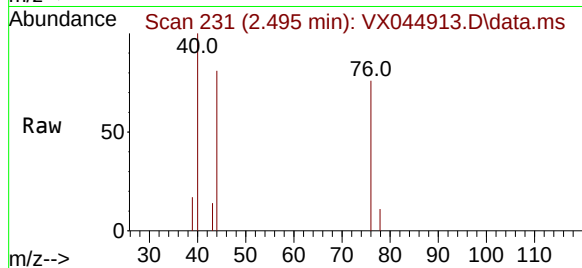
BP-VPB-192-GW-540-542

Tgt Ion: 76 Resp: 771

Ion Ratio Lower Upper

76 100

78 15.0 7.0 10.4#



#33

1,2-Dichloroethane-d4

Concen: 53.979 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044913.D

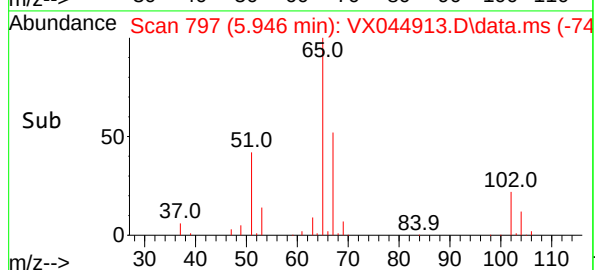
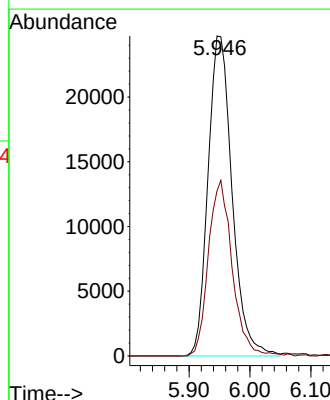
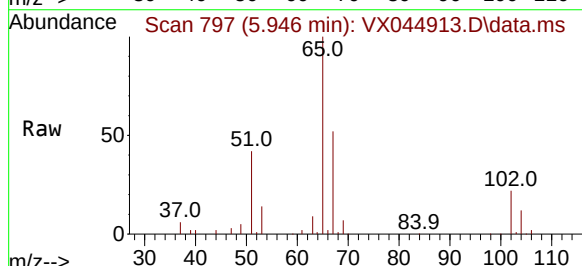
Acq: 11 Feb 2025 17:56

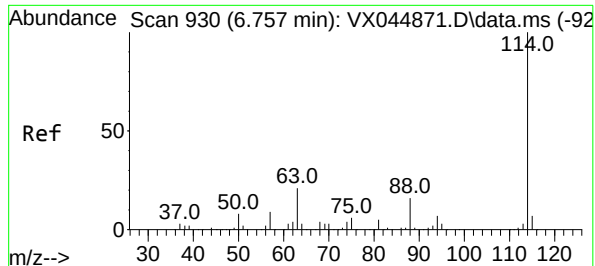
Tgt Ion: 65 Resp: 68009

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# 91

Delta R.T. 0.000 min

Lab File: VX044913.D

Acq: 11 Feb 2025 17:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-540-542

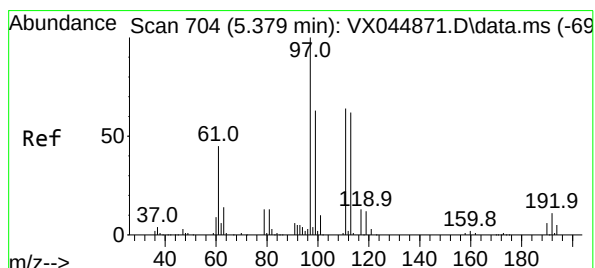
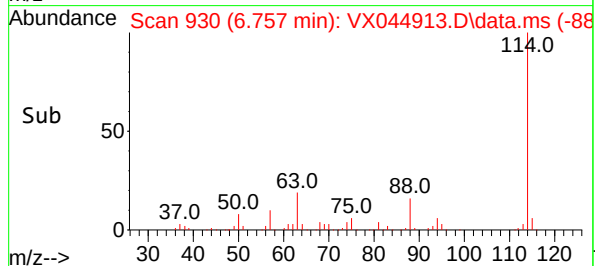
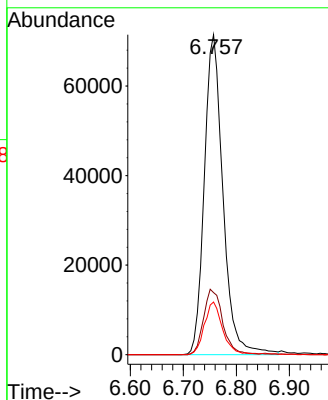
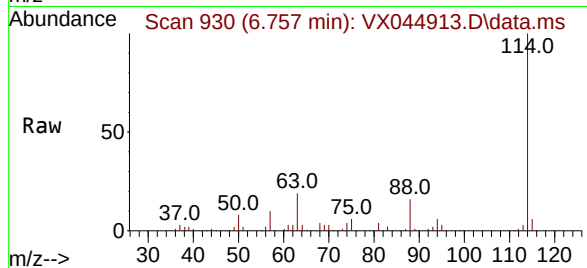
Tgt Ion:114 Resp: 174840

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 16.4 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.060 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044913.D

Acq: 11 Feb 2025 17:56

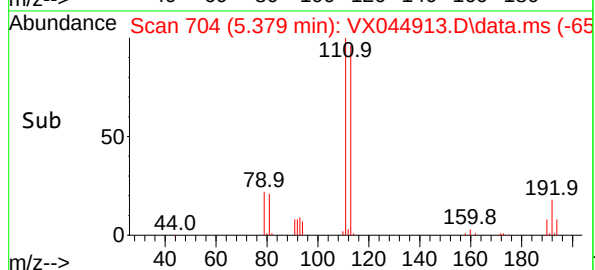
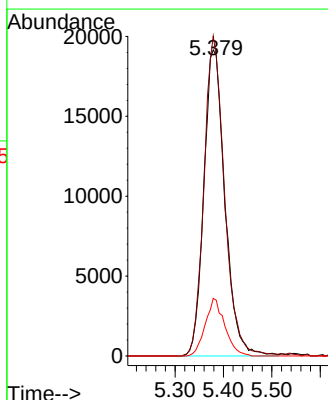
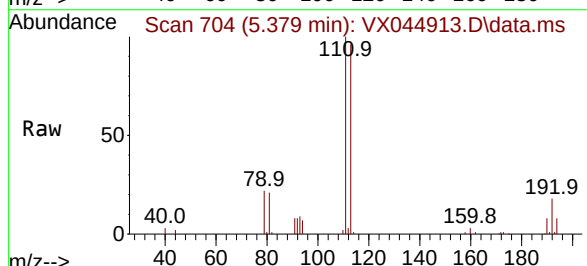
Tgt Ion:113 Resp: 58043

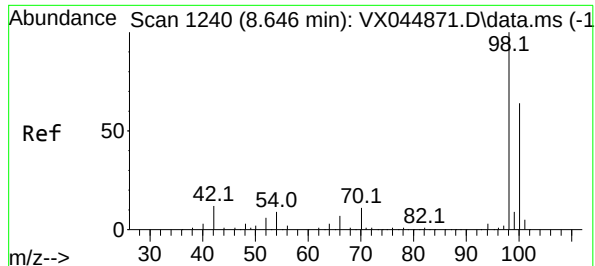
Ion Ratio Lower Upper

113 100

111 101.7 83.5 125.3

192 17.4 14.4 21.6

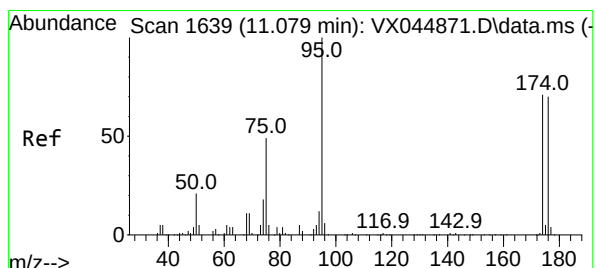
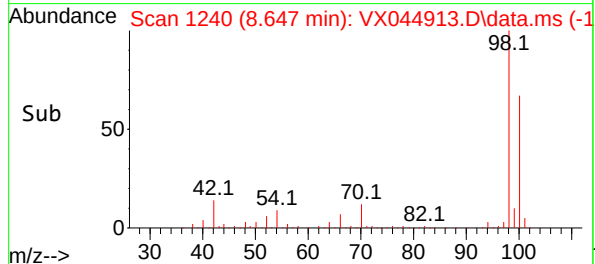
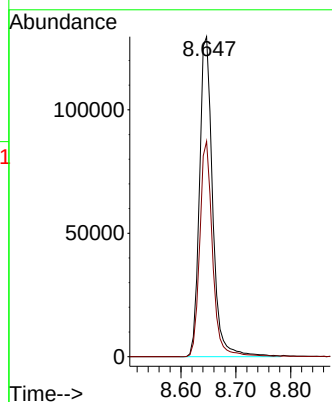
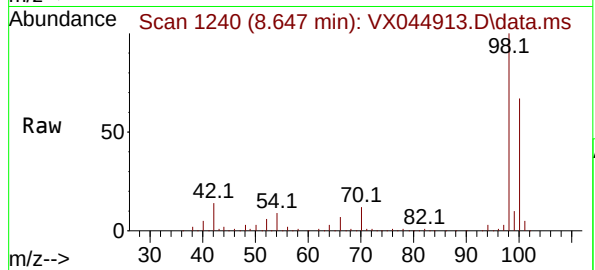




#50
Toluene-d8
Concen: 50.451 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044913.D
Acq: 11 Feb 2025 17:56

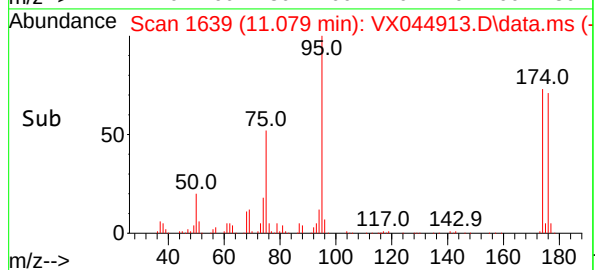
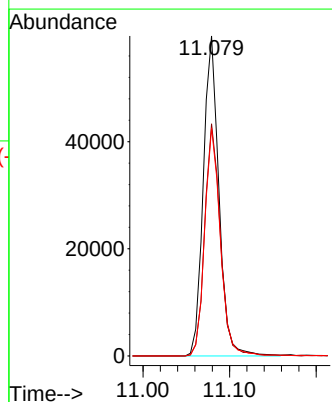
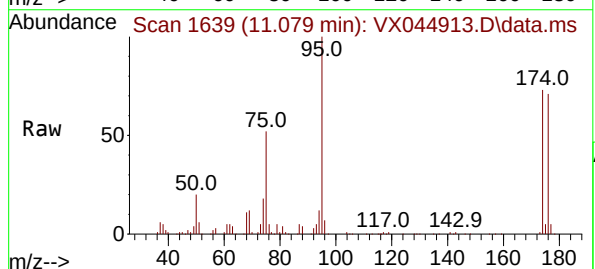
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-540-542

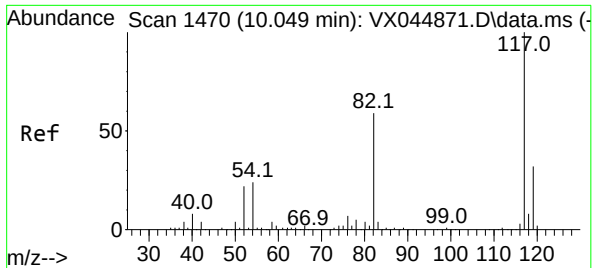
Tgt Ion: 98 Resp: 216863
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 51.600 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044913.D
Acq: 11 Feb 2025 17:56

Tgt Ion: 95 Resp: 74774
Ion Ratio Lower Upper
95 100
174 73.2 0.0 142.6
176 71.6 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: VX044913.D

Acq: 11 Feb 2025 17:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-540-542

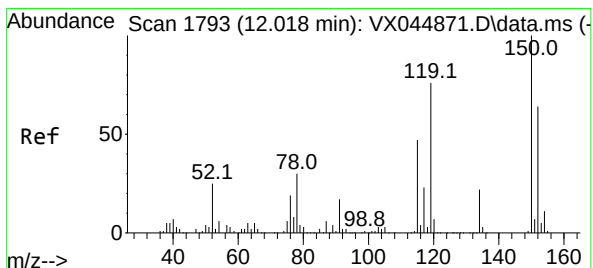
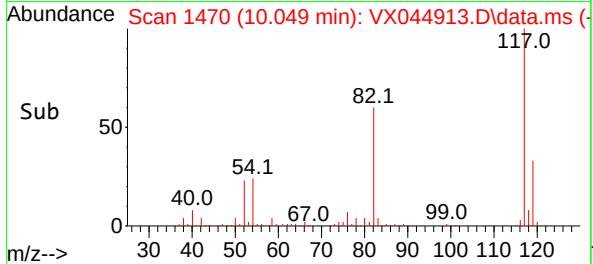
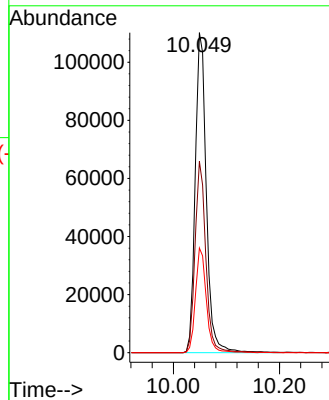
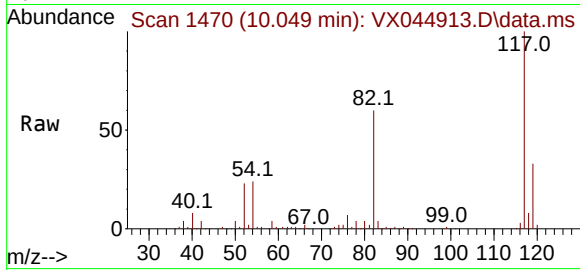
Tgt Ion:117 Resp: 160189

Ion Ratio Lower Upper

117 100

82 59.8 47.5 71.3

119 32.7 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044913.D

Acq: 11 Feb 2025 17:56

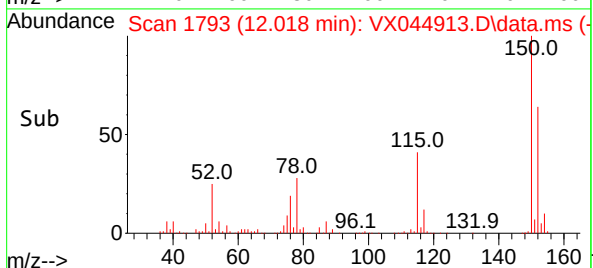
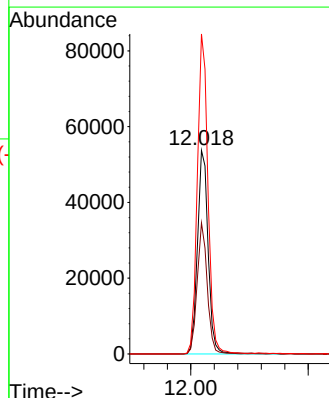
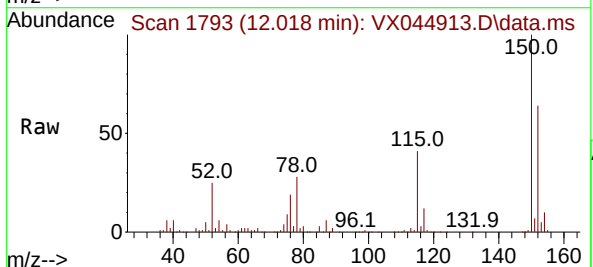
Tgt Ion:152 Resp: 67837

Ion Ratio Lower Upper

152 100

115 60.9 43.4 130.1

150 155.8 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044913.D
 Acq On : 11 Feb 2025 17:56
 Operator : JC/MD
 Sample : Q1327-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-540-542

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\82X021025W.M
 Title : SW846 8260

Signal : TIC: VX044913.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	19	25	27	rBV	5035	6417	1.11%	0.212%
2	1.447	56	59	64	rBV	8992	9678	1.67%	0.320%
3	1.575	72	80	81	rBV	4584	8483	1.46%	0.280%
4	2.380	207	212	220	rVB	6503	11437	1.97%	0.378%
5	4.239	507	517	522	rBV4	2549	7819	1.35%	0.258%
6	5.379	691	704	721	rBV	64261	190754	32.85%	6.302%
7	5.544	721	731	747	rBV	91101	261638	45.06%	8.644%
8	5.952	788	798	811	rBV	71945	195300	33.63%	6.452%
9	6.757	922	930	950	rBV	166203	410533	70.70%	13.563%
10	7.598	1062	1068	1074	rBV6	2423	5934	1.02%	0.196%
11	8.647	1233	1240	1255	rBV	352347	580657	100.00%	19.183%
12	9.531	1380	1385	1397	rBV4	5451	11778	2.03%	0.389%
13	10.049	1465	1470	1490	rBV	356908	506184	87.17%	16.723%
14	10.860	1599	1603	1615	rBV3	5899	9995	1.72%	0.330%
15	11.079	1634	1639	1652	rBV	289376	365028	62.86%	12.060%
16	11.933	1775	1779	1788	rBV2	5595	9618	1.66%	0.318%
17	12.018	1788	1793	1806	rVV	347132	426860	73.51%	14.102%
18	12.859	1924	1931	1939	rVB3	5276	8776	1.51%	0.290%

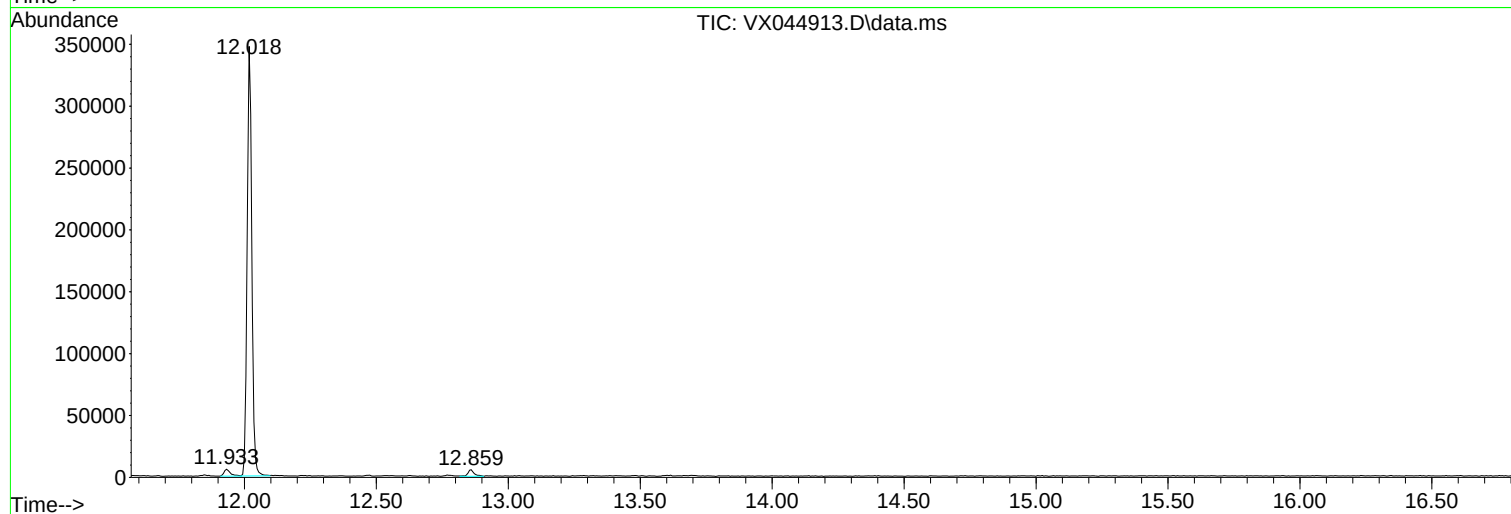
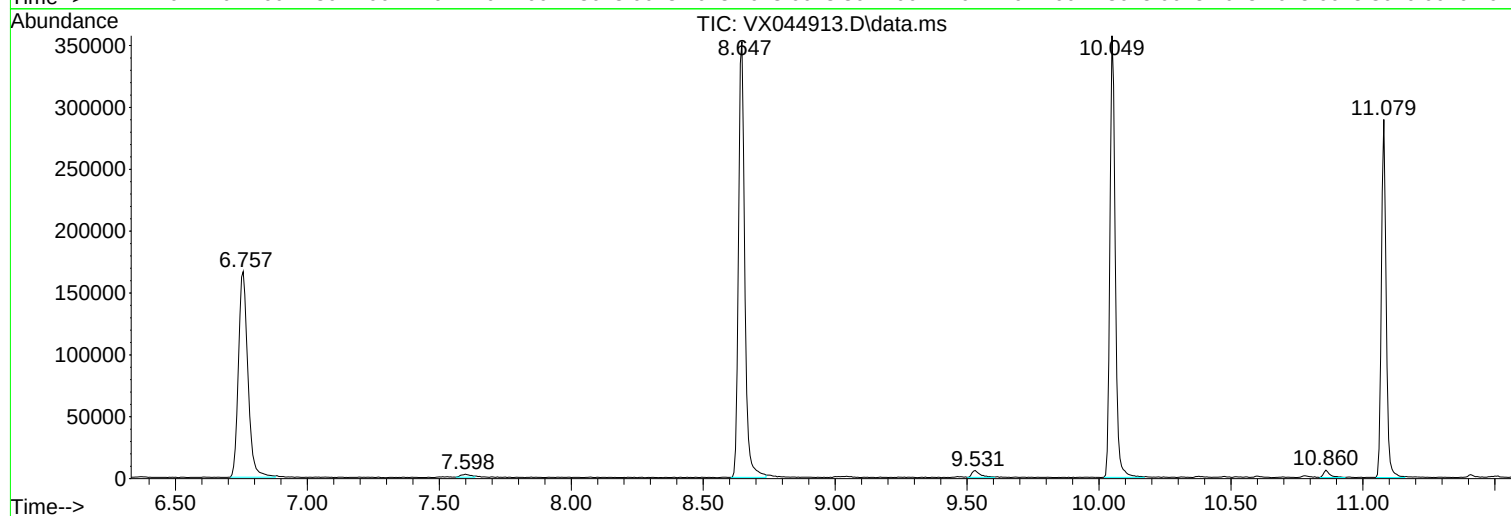
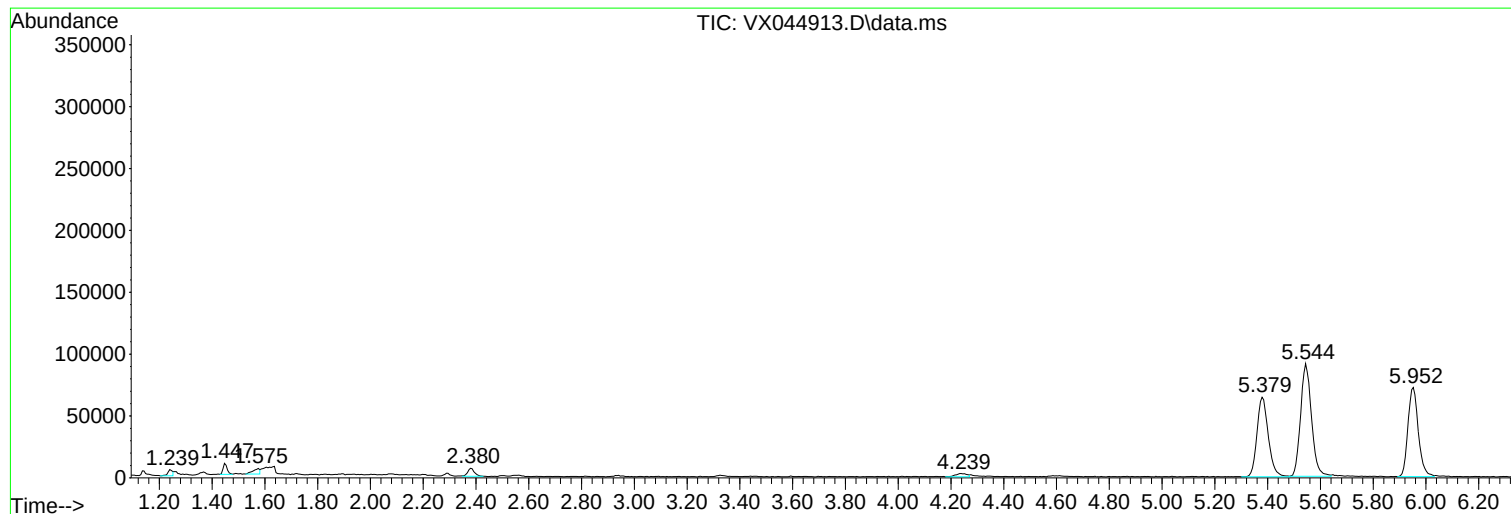
Sum of corrected areas: 3026889

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044913.D
Acq On : 11 Feb 2025 17:56
Operator : JC/MD
Sample : Q1327-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-540-542

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\VX021125\
Data File : VX044913.D
Acq On : 11 Feb 2025 17:56
Operator : JC/MD
Sample : Q1327-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-540-542

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\VX021125\
Data File : VX044913.D
Acq On : 11 Feb 2025 17:56
Operator : JC/MD
Sample : Q1327-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-540-542

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:	02/04/25		
Project:	CTO WE13			Date Received:	02/06/25		
Client Sample ID:	BP-VPB-192-GW-560-562			SDG No.:	Q1327		
Lab Sample ID:	Q1327-06			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
VX044914.D	1		02/11/25 18:19	VX021125

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	10.2		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:	02/04/25
Project:	CTO WE13	Date Received:	02/06/25
Client Sample ID:	BP-VPB-192-GW-560-562	SDG No.:	Q1327
Lab Sample ID:	Q1327-06	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
VX044914.D	1		02/11/25 18:19	VX021125

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	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.6		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	90600	5.544				
540-36-3	1,4-Difluorobenzene	181000	6.757				
3114-55-4	Chlorobenzene-d5	163000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	65500	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	02/04/25
Project:	CTO WE13			Date Received:	02/06/25
Client Sample ID:	BP-VPB-192-GW-560-562			SDG No.:	Q1327
Lab Sample ID:	Q1327-06			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
VX044914.D	1		02/11/25 18:19	VX021125

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\VX021125\
 Data File : VX044914.D
 Acq On : 11 Feb 2025 18:19
 Operator : JC/MD
 Sample : Q1327-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-560-562

Quant Time: Feb 12 02:46:17 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)

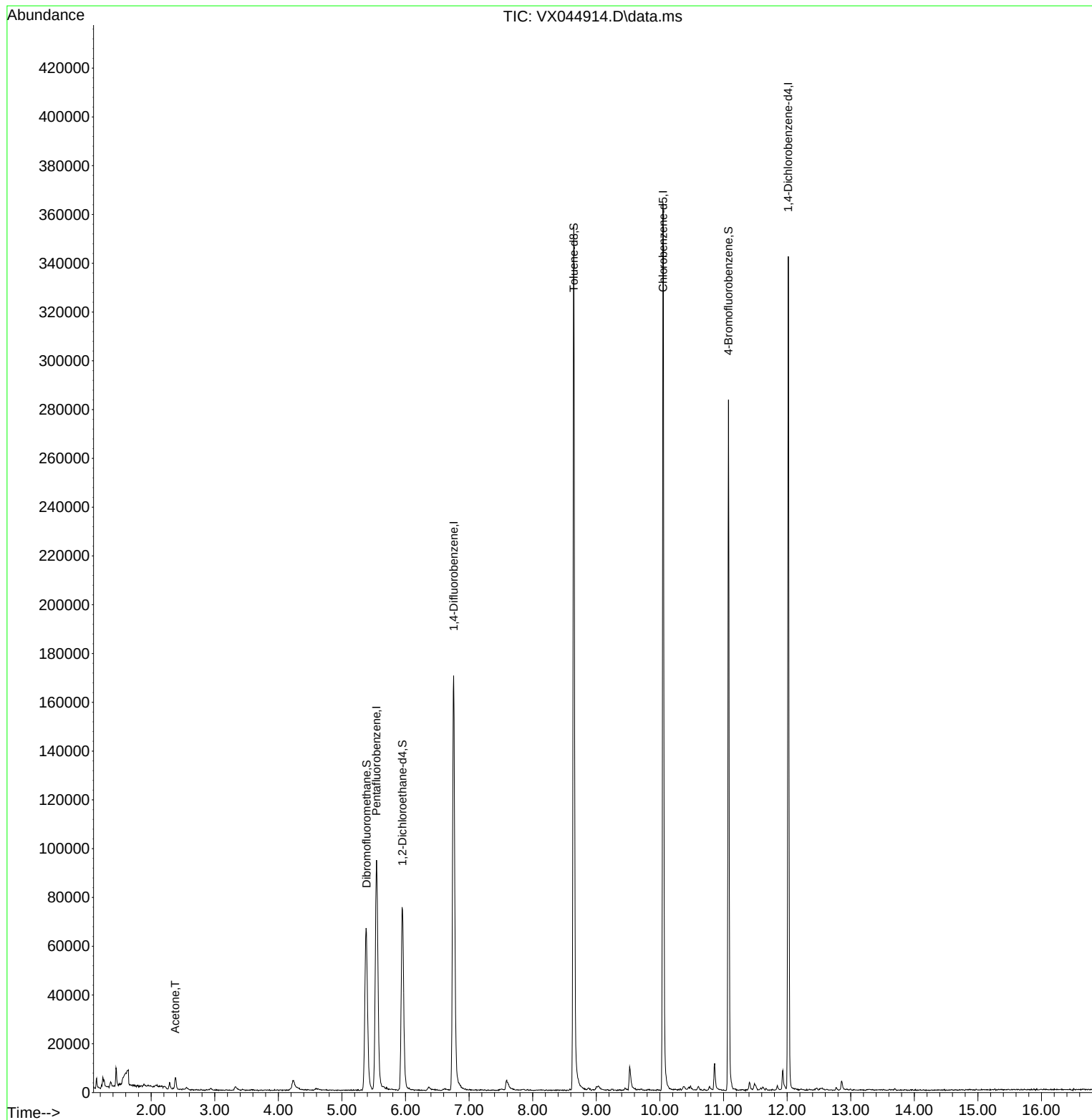
Internal Standards						
1) Pentafluorobenzene	5.544	168	90647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181380	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	162703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71131	53.607	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.220%			
35) Dibromofluoromethane	5.385	113	59962	50.847	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.700%			
50) Toluene-d8	8.647	98	221306	49.628	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.260%			
62) 4-Bromofluorobenzene	11.079	95	75714	50.364	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.720%			
Target Compounds						
16) Acetone	2.380	43	5460	10.236	ug/l	98

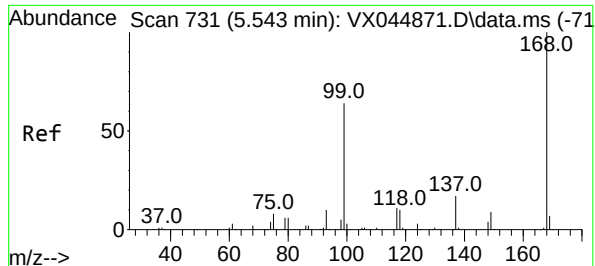
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044914.D
Acq On : 11 Feb 2025 18:19
Operator : JC/MD
Sample : Q1327-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-560-562

Quant Time: Feb 12 02:46:17 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: VX044914.D

Acq: 11 Feb 2025 18:19

Instrument :

MSVOA_X

ClientSampleId :

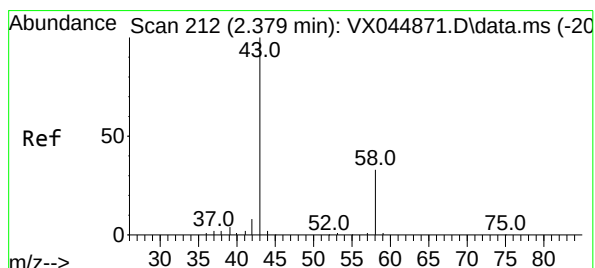
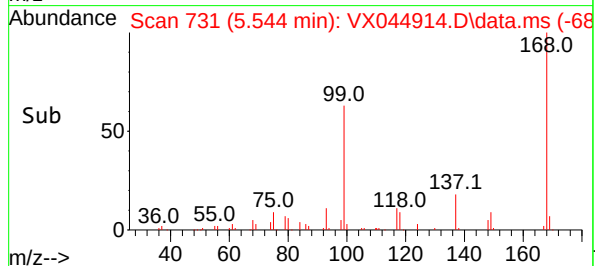
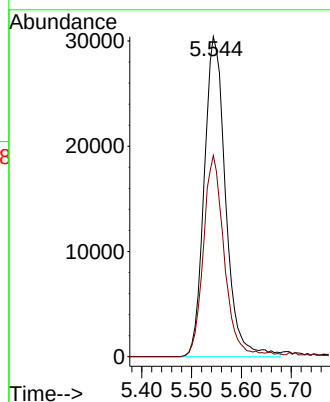
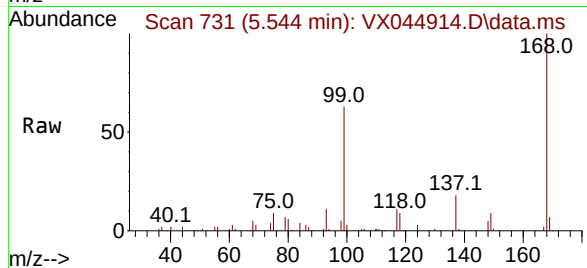
BP-VPB-192-GW-560-562

Tgt Ion:168 Resp: 90647

Ion Ratio Lower Upper

168 100

99 62.9 51.2 76.8



#16

Acetone

Concen: 10.236 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX044914.D

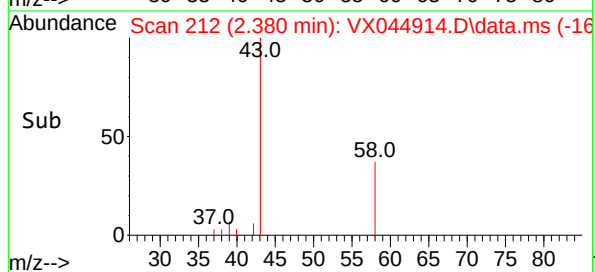
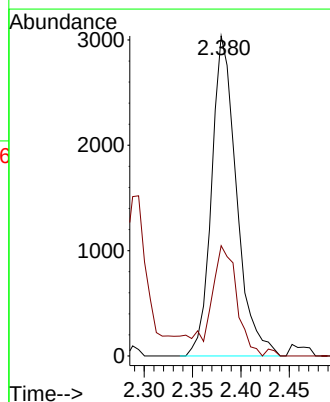
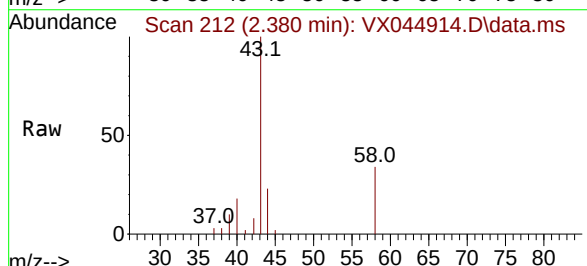
Acq: 11 Feb 2025 18:19

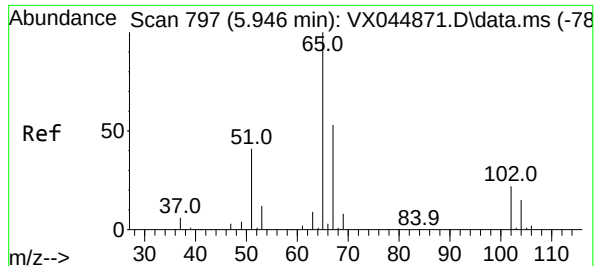
Tgt Ion: 43 Resp: 5460

Ion Ratio Lower Upper

43 100

58 34.5 26.5 39.7





#33

1,2-Dichloroethane-d4

Concen: 53.607 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044914.D

Acq: 11 Feb 2025 18:19

Instrument :

MSVOA_X

ClientSampleId :

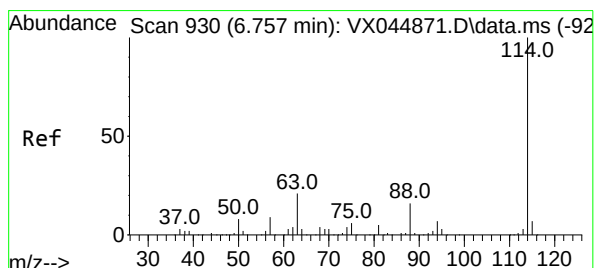
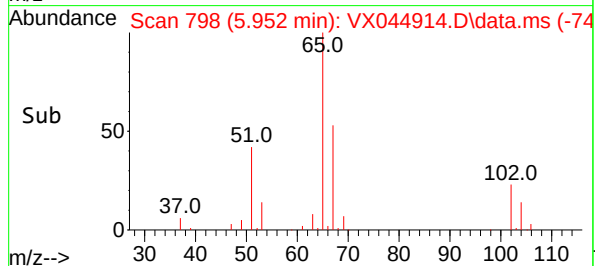
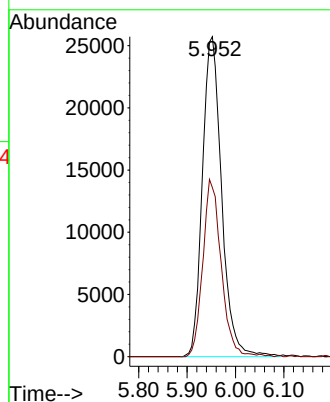
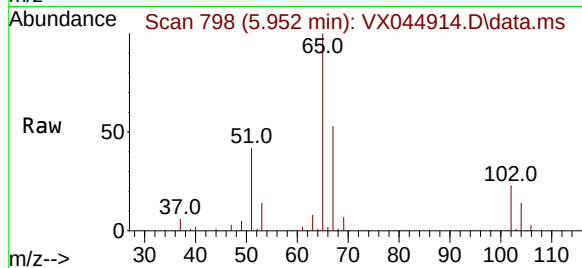
BP-VPB-192-GW-560-562

Tgt Ion: 65 Resp: 71131

Ion Ratio Lower Upper

65 100

67 52.7 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: VX044914.D

Acq: 11 Feb 2025 18:19

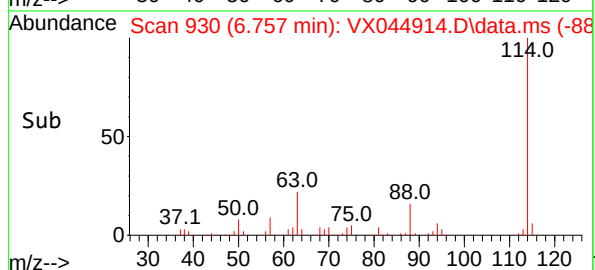
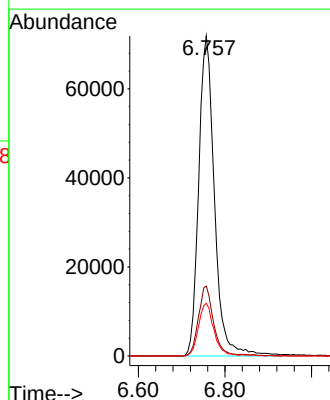
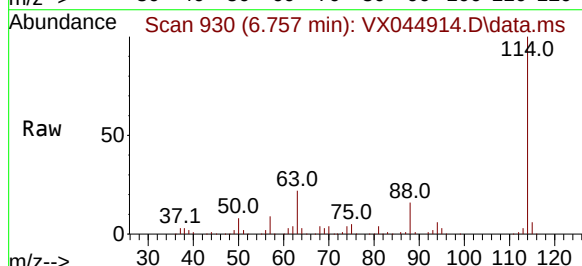
Tgt Ion: 114 Resp: 181380

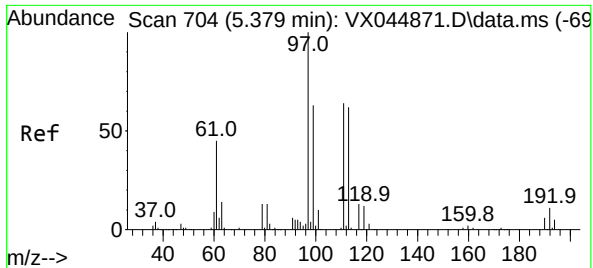
Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.4

88 16.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.847 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044914.D

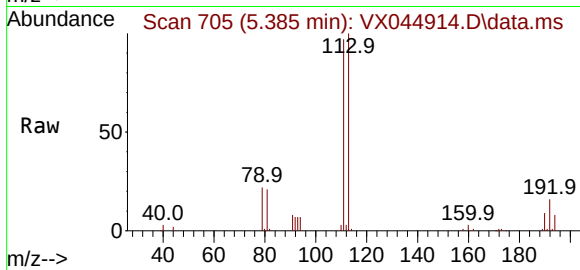
Acq: 11 Feb 2025 18:19

Instrument :

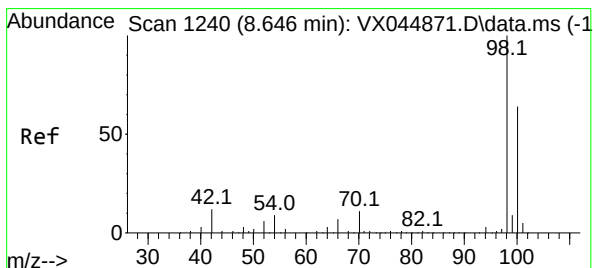
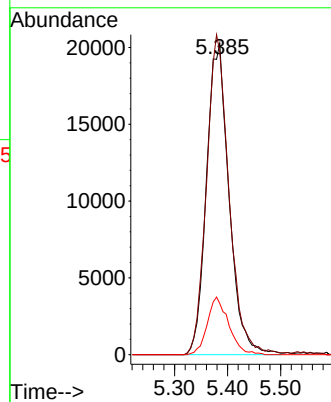
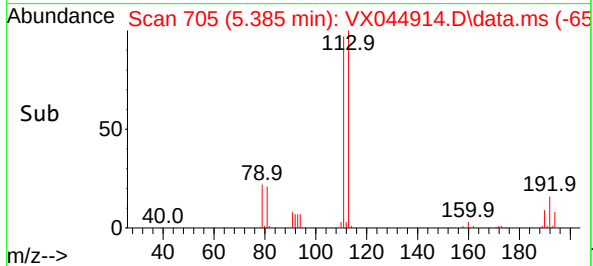
MSVOA_X

ClientSampleId :

BP-VPB-192-GW-560-562



Tgt Ion:	113	Resp:	59962
Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.5	125.3
192	17.6	14.4	21.6



#50

Toluene-d8

Concen: 49.628 ug/l

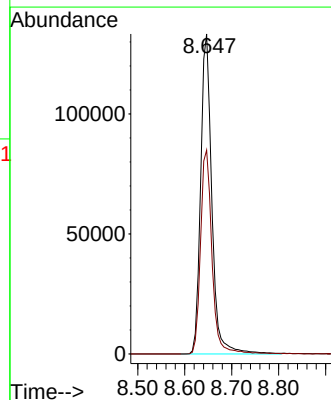
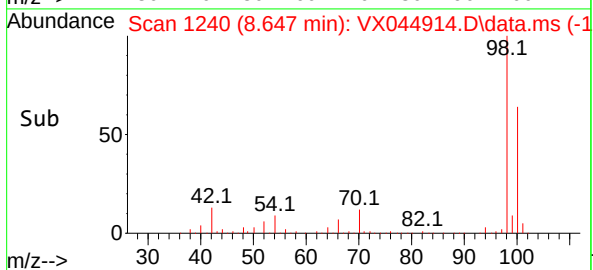
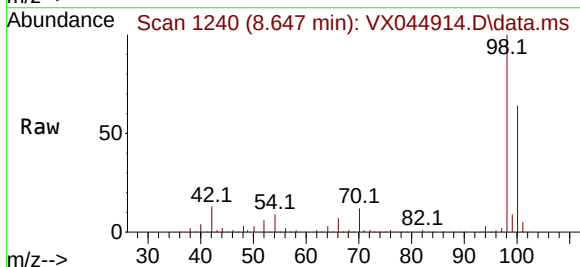
RT: 8.647 min Scan# 1240

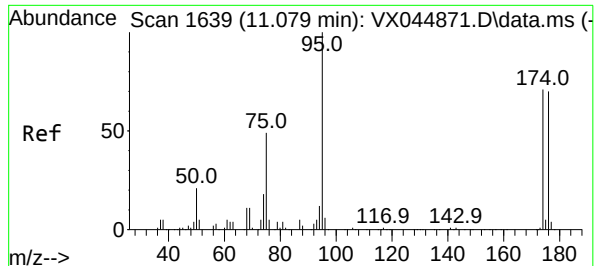
Delta R.T. 0.000 min

Lab File: VX044914.D

Acq: 11 Feb 2025 18:19

Tgt Ion:	98	Resp:	221306
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1





#62

4-Bromofluorobenzene

Concen: 50.364 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044914.D

Acq: 11 Feb 2025 18:19

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-560-562

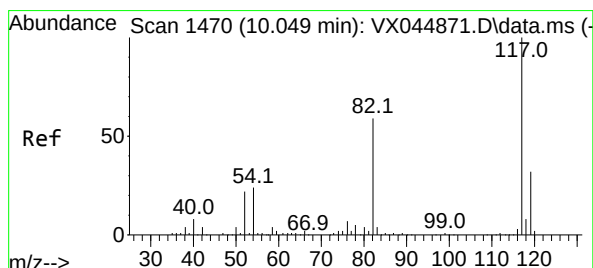
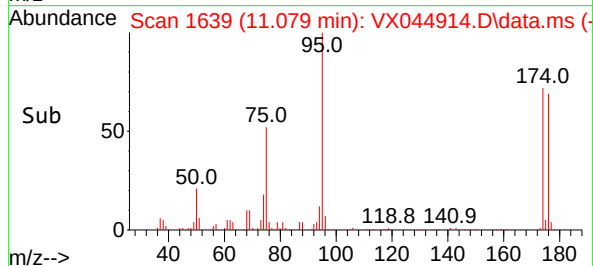
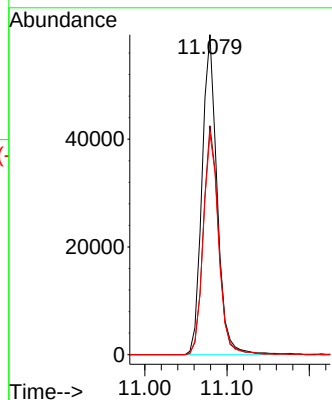
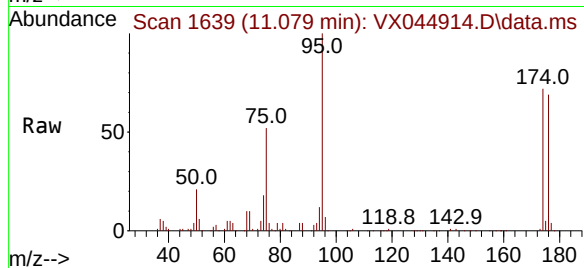
Tgt Ion: 95 Resp: 75714

Ion Ratio Lower Upper

95 100

174 72.7 0.0 142.6

176 70.4 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: VX044914.D

Acq: 11 Feb 2025 18:19

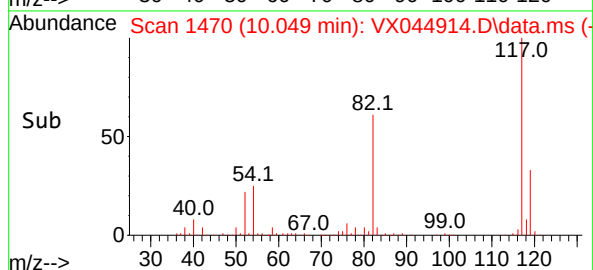
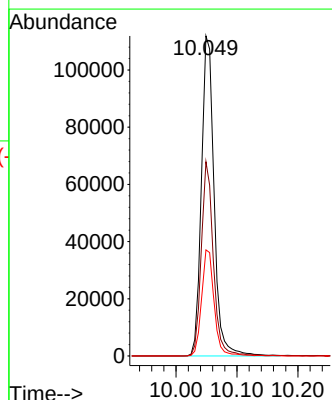
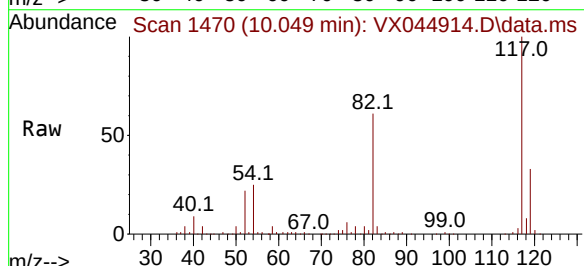
Tgt Ion: 117 Resp: 162703

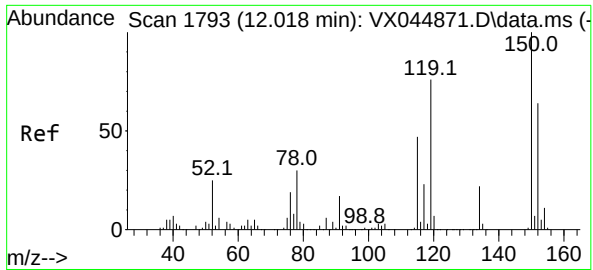
Ion Ratio Lower Upper

117 100

82 60.7 47.5 71.3

119 33.1 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: VX044914.D

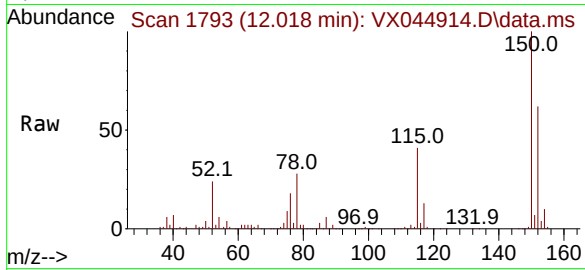
Acq: 11 Feb 2025 18:19

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-560-562



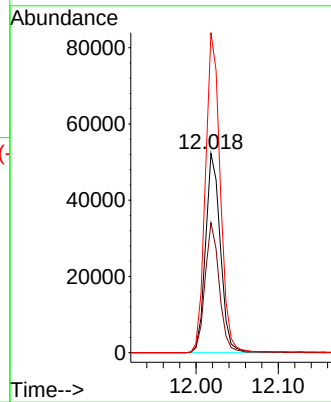
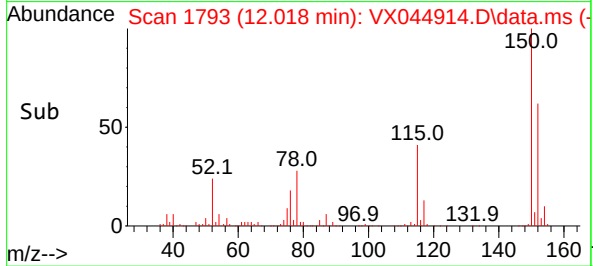
Tgt Ion:152 Resp: 65512

Ion Ratio Lower Upper

152 100

115 62.9 43.4 130.1

150 160.9 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044914.D
 Acq On : 11 Feb 2025 18:19
 Operator : JC/MD
 Sample : Q1327-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-560-562

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\82X021025W.M

Title : SW846 8260

Signal : TIC: VX044914.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.447	56	59	65	rBV	7543	8908	1.50%	0.287%
2	1.599	73	84	86	rBV6	4646	15610	2.63%	0.502%
3	2.380	207	212	219	rVB	4828	8607	1.45%	0.277%
4	4.239	505	517	525	rBV7	3974	13889	2.34%	0.447%
5	5.379	694	704	719	rBV2	66555	198076	33.36%	6.374%
6	5.544	721	731	746	rBV	93860	272177	45.85%	8.759%
7	5.946	786	797	813	rBV	75137	205026	34.54%	6.598%
8	6.757	921	930	947	rBV	169824	422462	71.16%	13.595%
9	8.647	1233	1240	1264	rBV	353693	593673	100.00%	19.104%
10	9.525	1380	1384	1392	rBV3	9530	18852	3.18%	0.607%
11	10.049	1464	1470	1487	rBV	363949	518510	87.34%	16.685%
12	10.860	1598	1603	1618	rVB2	10819	17390	2.93%	0.560%
13	11.079	1634	1639	1651	rBV	282892	365220	61.52%	11.753%
14	11.488	1701	1706	1714	rVB7	2665	6261	1.05%	0.201%
15	11.933	1773	1779	1788	rBV3	7888	13211	2.23%	0.425%
16	12.018	1788	1793	1803	rVV	341231	422329	71.14%	13.590%
17	12.859	1923	1931	1937	rBV3	3768	7362	1.24%	0.237%

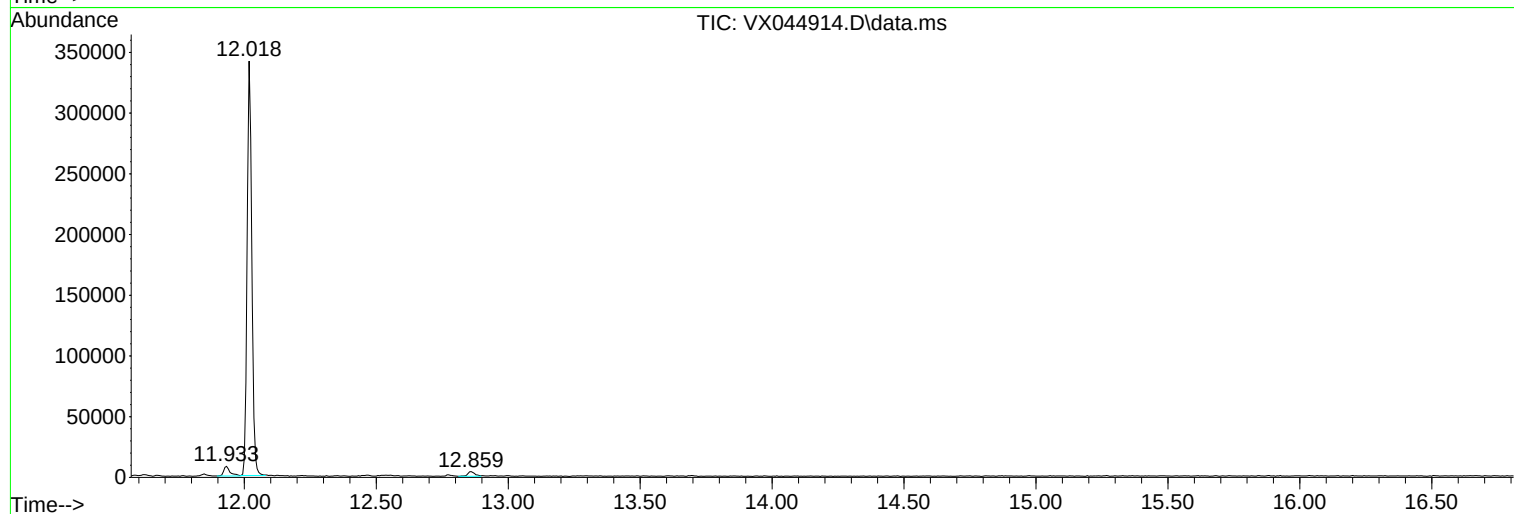
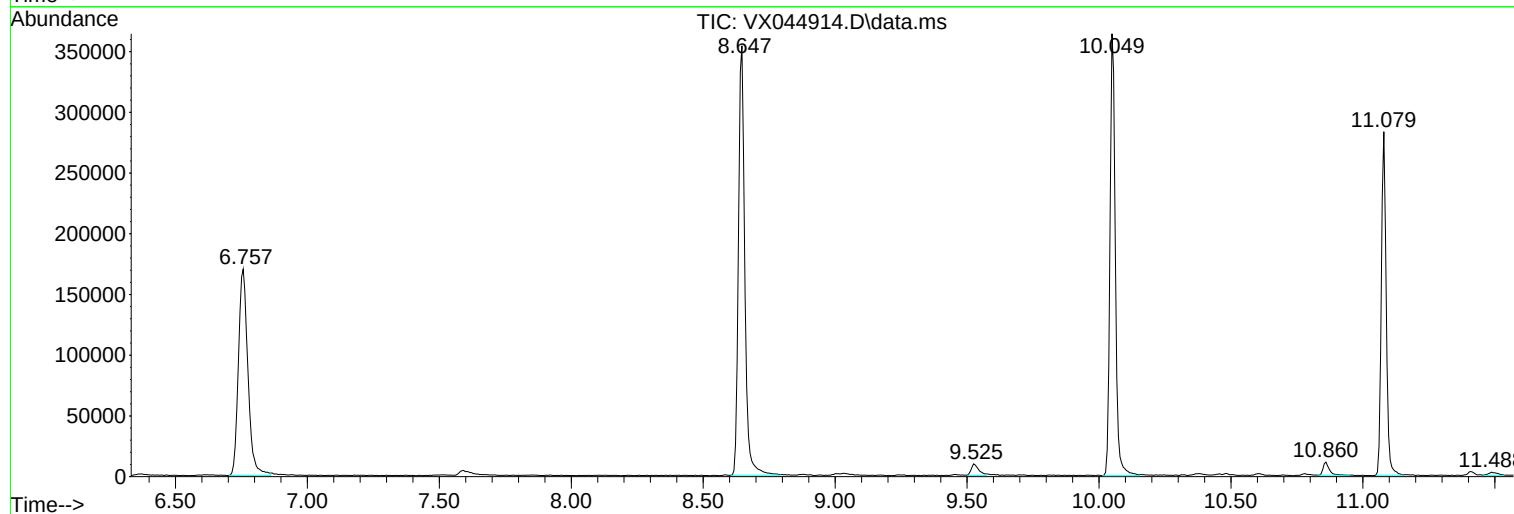
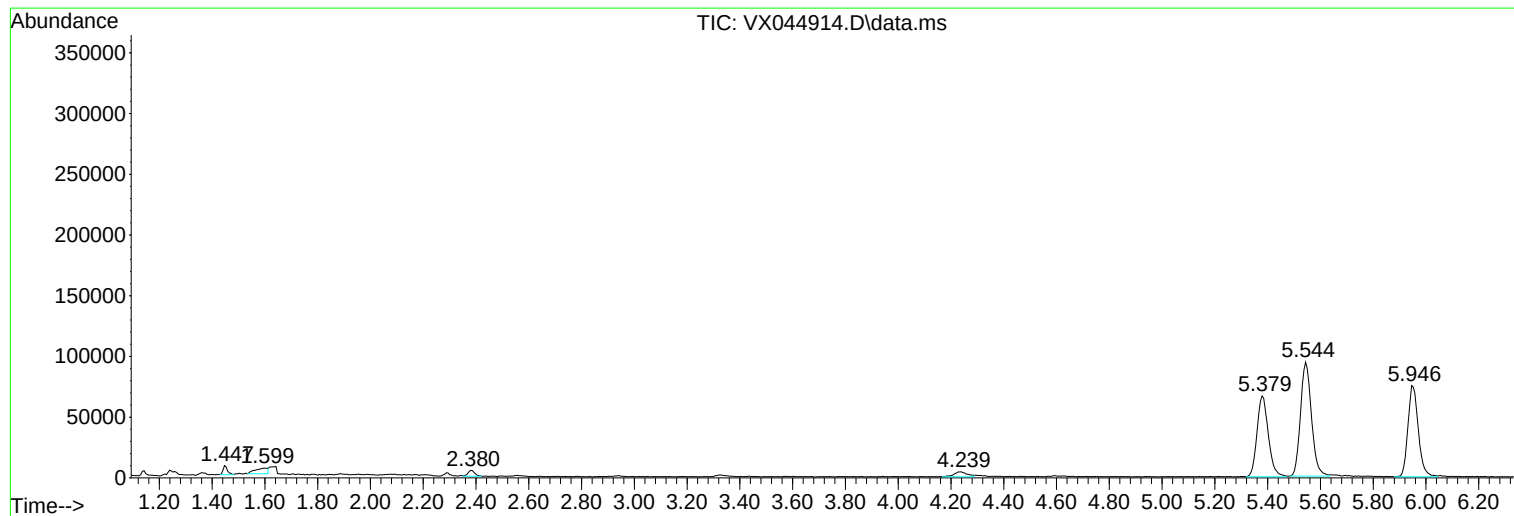
Sum of corrected areas: 3107563

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044914.D
Acq On : 11 Feb 2025 18:19
Operator : JC/MD
Sample : Q1327-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-560-562

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\VX021125\
Data File : VX044914.D
Acq On : 11 Feb 2025 18:19
Operator : JC/MD
Sample : Q1327-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-560-562

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\VX021125\
Data File : VX044914.D
Acq On : 11 Feb 2025 18:19
Operator : JC/MD
Sample : Q1327-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-560-562

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

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	02/04/25		
Project:	CTO WE13			Date Received:	02/06/25		
Client Sample ID:	BP-VPB-192-GW-580-582			SDG No.:	Q1327		
Lab Sample ID:	Q1327-07			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
VX044917.D	1		02/11/25 19:28	VX021125

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	19.4		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	0.30	J	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:	02/04/25	
Project:	CTO WE13		Date Received:	02/06/25	
Client Sample ID:	BP-VPB-192-GW-580-582		SDG No.:	Q1327	
Lab Sample ID:	Q1327-07		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
VX044917.D	1		02/11/25 19:28	VX021125

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	52.7		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	91600	5.55				
540-36-3	1,4-Difluorobenzene	182000	6.757				
3114-55-4	Chlorobenzene-d5	164000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	67300	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/04/25
Project:	CTO WE13	Date Received:	02/06/25
Client Sample ID:	BP-VPB-192-GW-580-582	SDG No.:	Q1327
Lab Sample ID:	Q1327-07	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
VX044917.D	1		02/11/25 19:28	VX021125

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\VX021125\
 Data File : VX044917.D
 Acq On : 11 Feb 2025 19:28
 Operator : JC/MD
 Sample : Q1327-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-580-582

Quant Time: Feb 12 02:47:15 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)

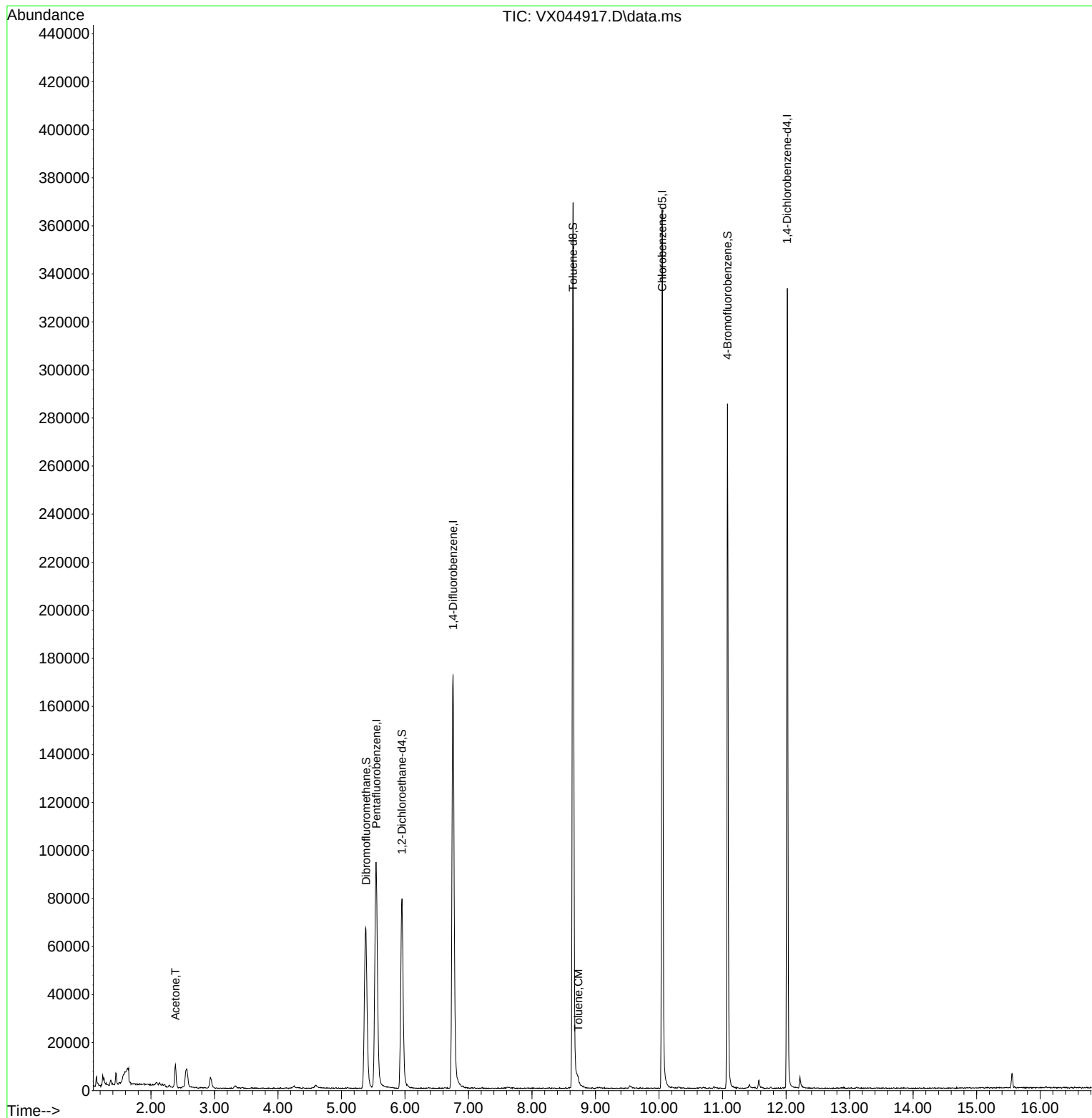
Internal Standards						
1) Pentafluorobenzene	5.550	168	91582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	182202	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	164292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70620	52.678	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.360%			
35) Dibromofluoromethane	5.385	113	60174	50.796	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	8.647	98	226513	50.566	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.140%			
62) 4-Bromofluorobenzene	11.079	95	76883	50.911	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.820%			
Target Compounds						
16) Acetone	2.385	43	10450	19.390	ug/l	95
52) Toluene	8.726	92	964	0.303	ug/l	92

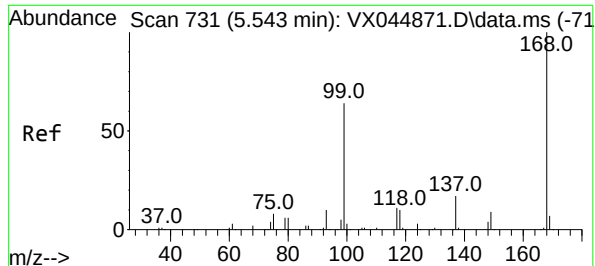
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044917.D
Acq On : 11 Feb 2025 19:28
Operator : JC/MD
Sample : Q1327-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-580-582

Quant Time: Feb 12 02:47:15 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

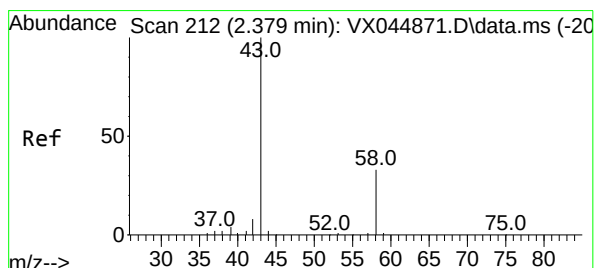
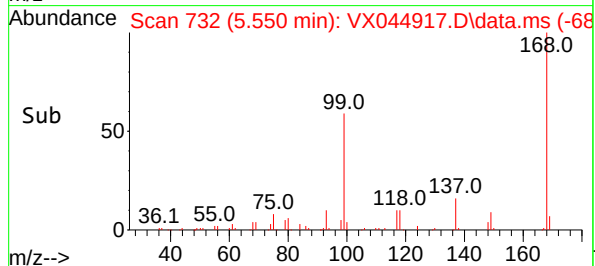
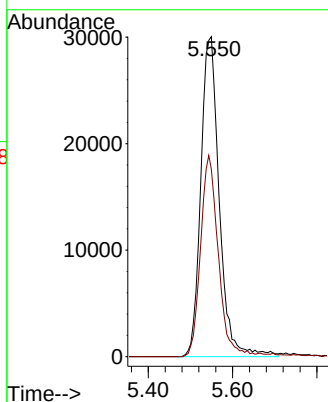
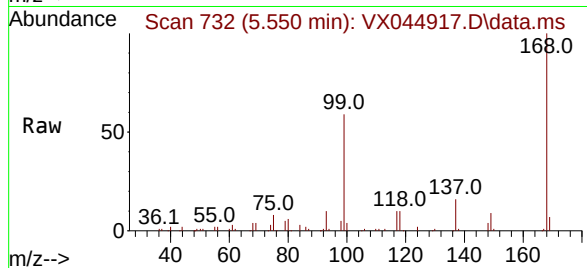




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX044917.D
Acq: 11 Feb 2025 19:28

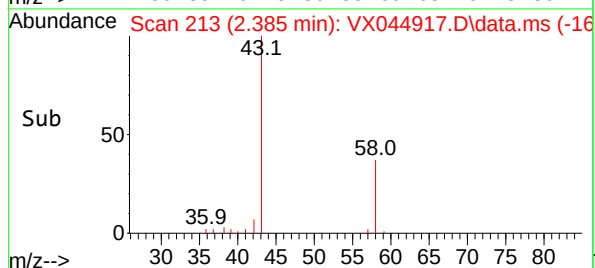
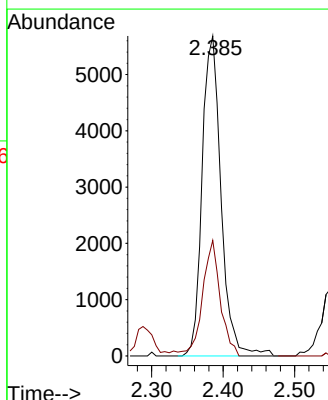
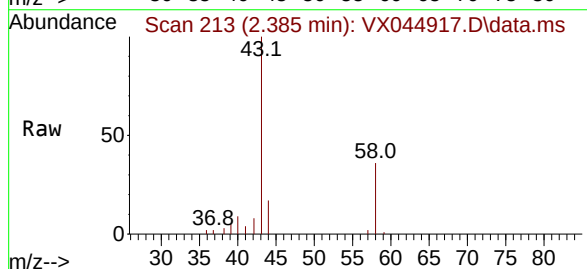
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-580-582

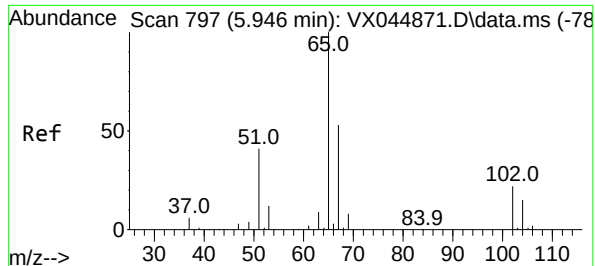
Tgt Ion:168 Resp: 91582
Ion Ratio Lower Upper
168 100
99 58.7 51.2 76.8



#16
Acetone
Concen: 19.390 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044917.D
Acq: 11 Feb 2025 19:28

Tgt Ion: 43 Resp: 10450
Ion Ratio Lower Upper
43 100
58 36.1 26.5 39.7





#33

1,2-Dichloroethane-d4

Concen: 52.678 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044917.D

Acq: 11 Feb 2025 19:28

Instrument :

MSVOA_X

ClientSampleId :

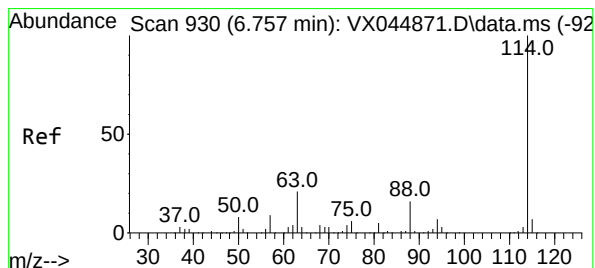
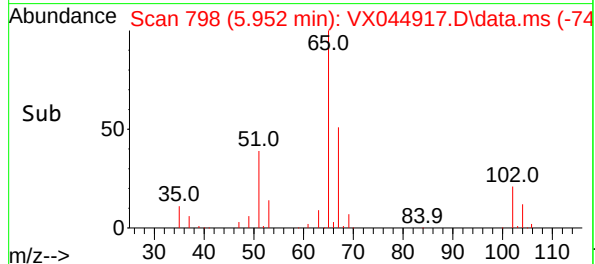
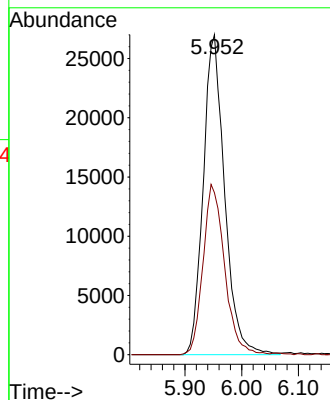
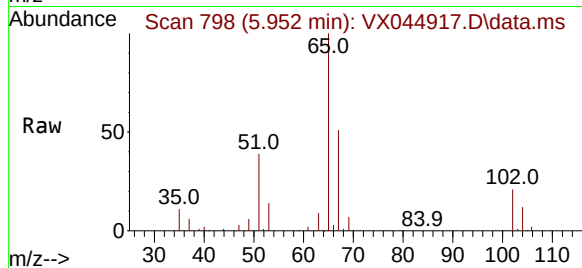
BP-VPB-192-GW-580-582

Tgt Ion: 65 Resp: 70620

Ion Ratio Lower Upper

65 100

67 53.8 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: VX044917.D

Acq: 11 Feb 2025 19:28

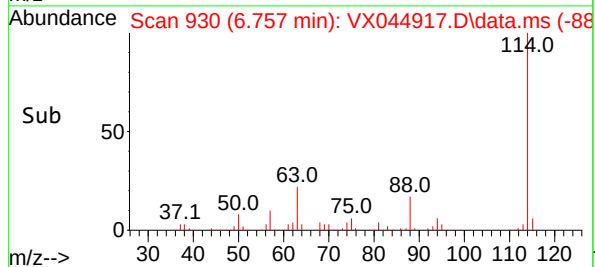
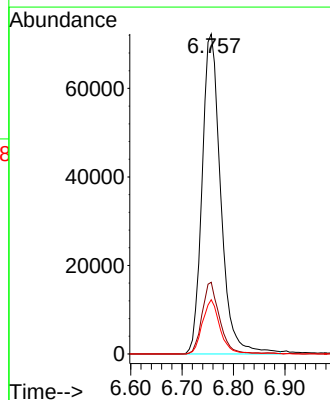
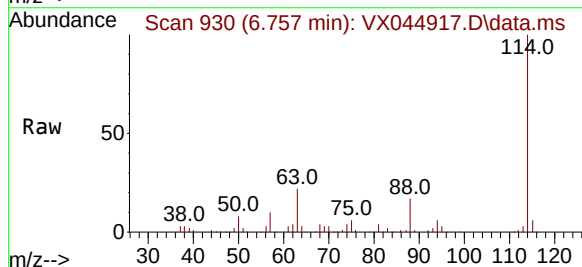
Tgt Ion: 114 Resp: 182202

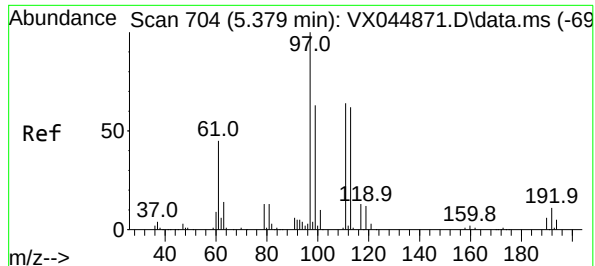
Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.4

88 17.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.796 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044917.D

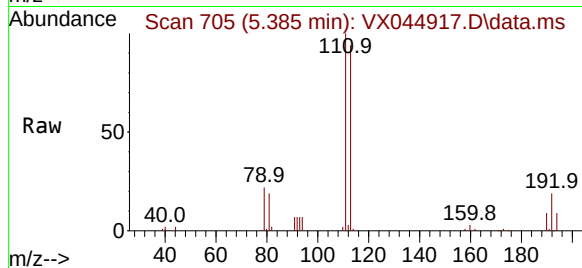
Acq: 11 Feb 2025 19:28

Instrument :

MSVOA_X

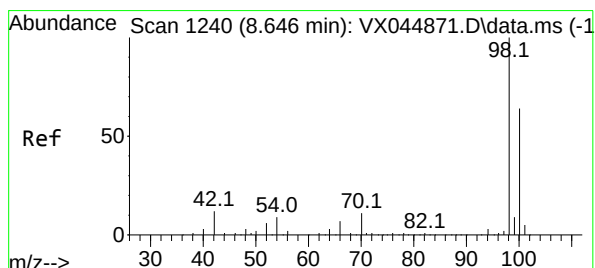
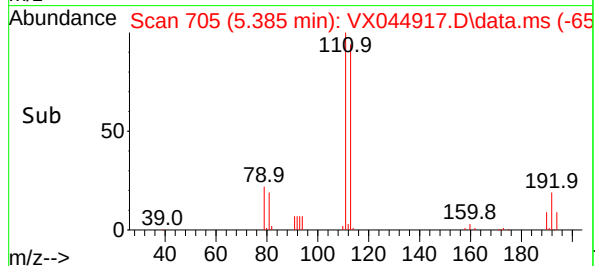
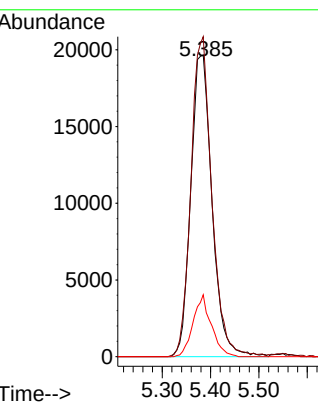
ClientSampleId :

BP-VPB-192-GW-580-582



Tgt Ion:113 Resp: 60174

Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.5	125.3
192	17.5	14.4	21.6



#50

Toluene-d8

Concen: 50.566 ug/l

RT: 8.647 min Scan# 1240

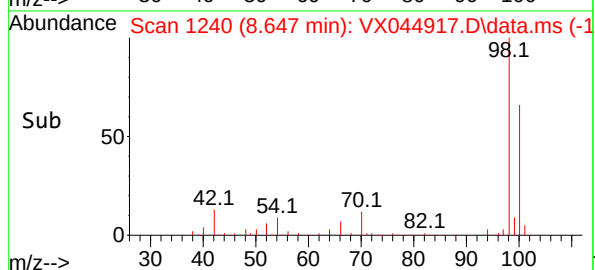
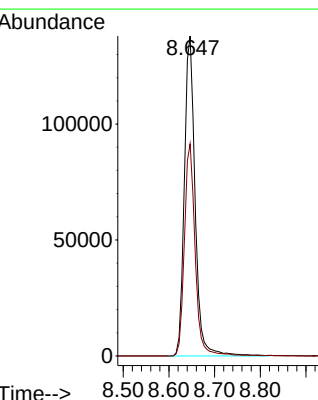
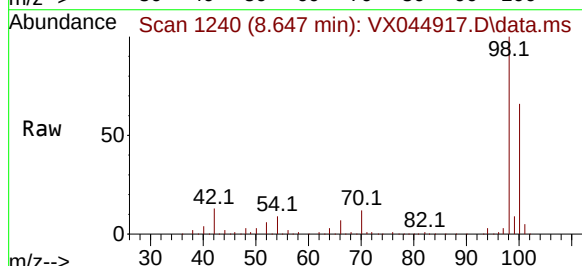
Delta R.T. 0.000 min

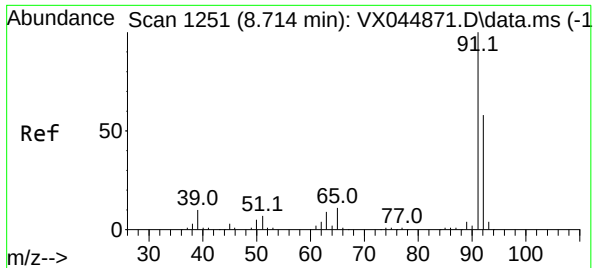
Lab File: VX044917.D

Acq: 11 Feb 2025 19:28

Tgt Ion: 98 Resp: 226513

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.7	79.1





#52

Toluene

Concen: 0.303 ug/l

RT: 8.726 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX044917.D

Acq: 11 Feb 2025 19:28

Instrument :

MSVOA_X

ClientSampleId :

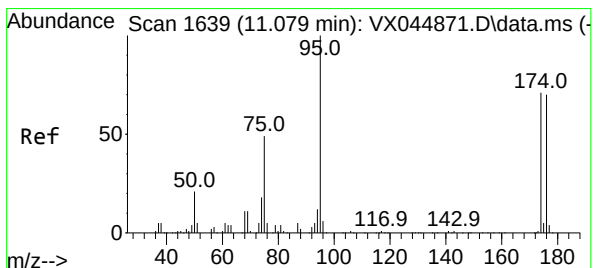
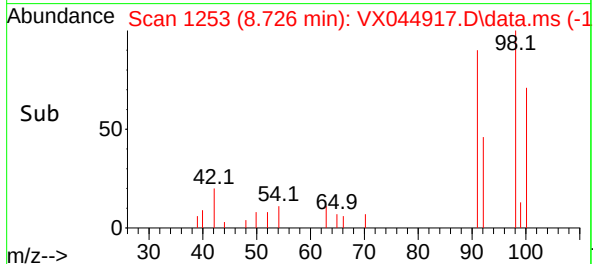
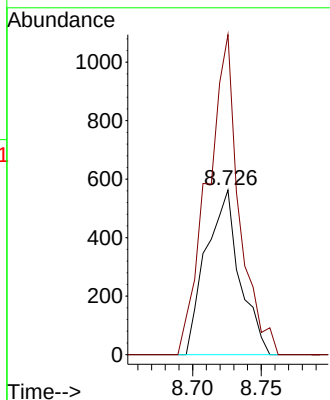
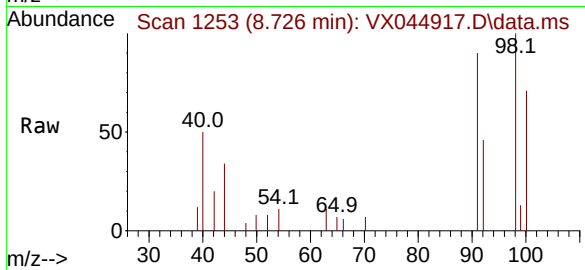
BP-VPB-192-GW-580-582

Tgt Ion: 92 Resp: 964

Ion Ratio Lower Upper

92 100

91 183.4 137.4 206.2



#62

4-Bromofluorobenzene

Concen: 50.911 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044917.D

Acq: 11 Feb 2025 19:28

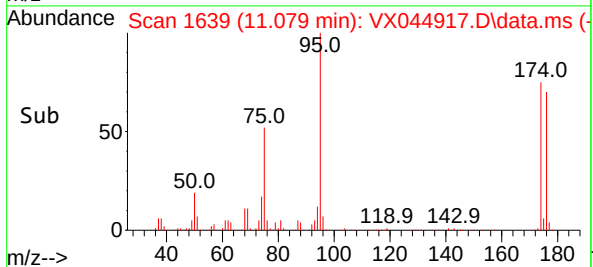
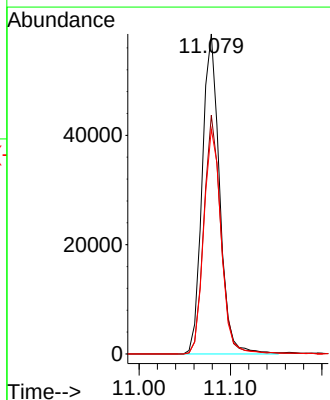
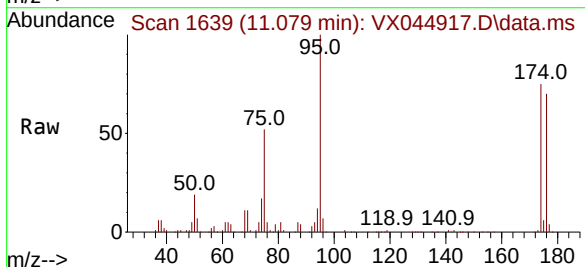
Tgt Ion: 95 Resp: 76883

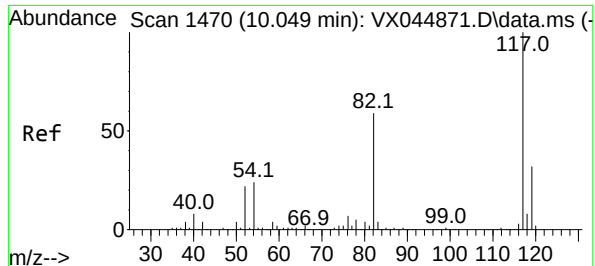
Ion Ratio Lower Upper

95 100

174 73.4 0.0 142.6

176 71.1 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: VX044917.D

Acq: 11 Feb 2025 19:28

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-580-582

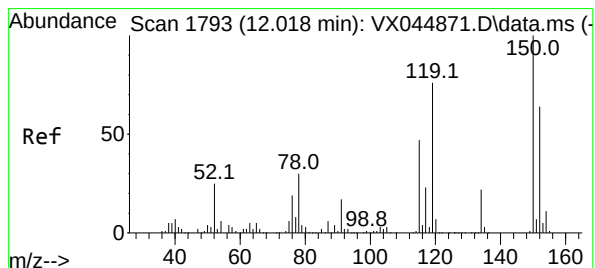
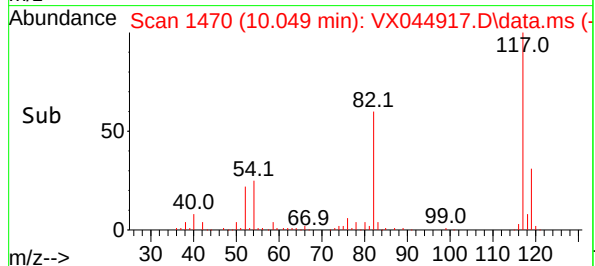
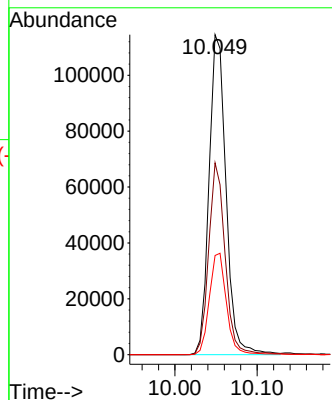
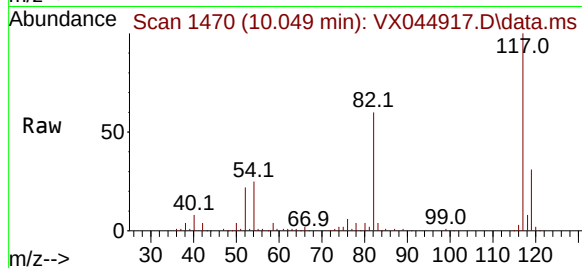
Tgt Ion:117 Resp: 164292

Ion Ratio Lower Upper

117 100

82 59.9 47.5 71.3

119 31.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044917.D

Acq: 11 Feb 2025 19:28

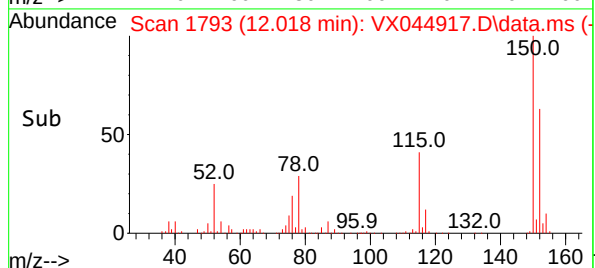
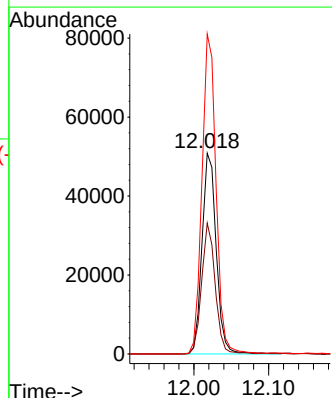
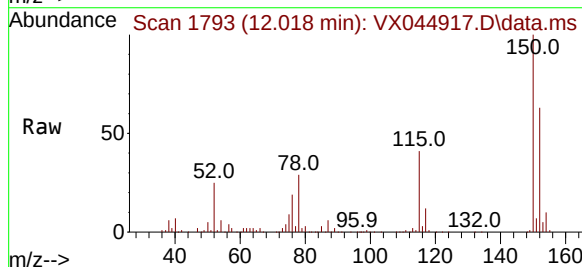
Tgt Ion:152 Resp: 67262

Ion Ratio Lower Upper

152 100

115 62.2 43.4 130.1

150 157.4 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044917.D
 Acq On : 11 Feb 2025 19:28
 Operator : JC/MD
 Sample : Q1327-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-580-582

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\82X021025W.M

Title : SW846 8260

Signal : TIC: VX044917.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.587	71	82	83	rBV3	4783	11591	1.90%	0.372%
2	2.385	207	213	220	rVB	9688	17294	2.83%	0.554%
3	2.562	234	242	251	rVB2	7527	20566	3.37%	0.659%
4	2.934	295	303	315	rVB2	4502	10982	1.80%	0.352%
5	5.379	694	704	720	rBV	66847	198952	32.61%	6.379%
6	5.543	720	731	746	rBV	93744	272352	44.64%	8.732%
7	5.952	788	798	810	rBV2	79060	207587	34.02%	6.656%
8	6.757	921	930	952	rBV	172231	429592	70.40%	13.774%
9	8.647	1233	1240	1260	rBV	368464	610173	100.00%	19.564%
10	10.049	1465	1470	1488	rBV	365706	521890	85.53%	16.733%
11	11.079	1634	1639	1651	rBV	284939	372525	61.05%	11.944%
12	12.018	1788	1793	1807	rBV	332869	429110	70.33%	13.759%
13	12.219	1822	1826	1832	rBV	4631	7033	1.15%	0.225%
14	15.560	2369	2374	2378	rBV3	6032	9208	1.51%	0.295%

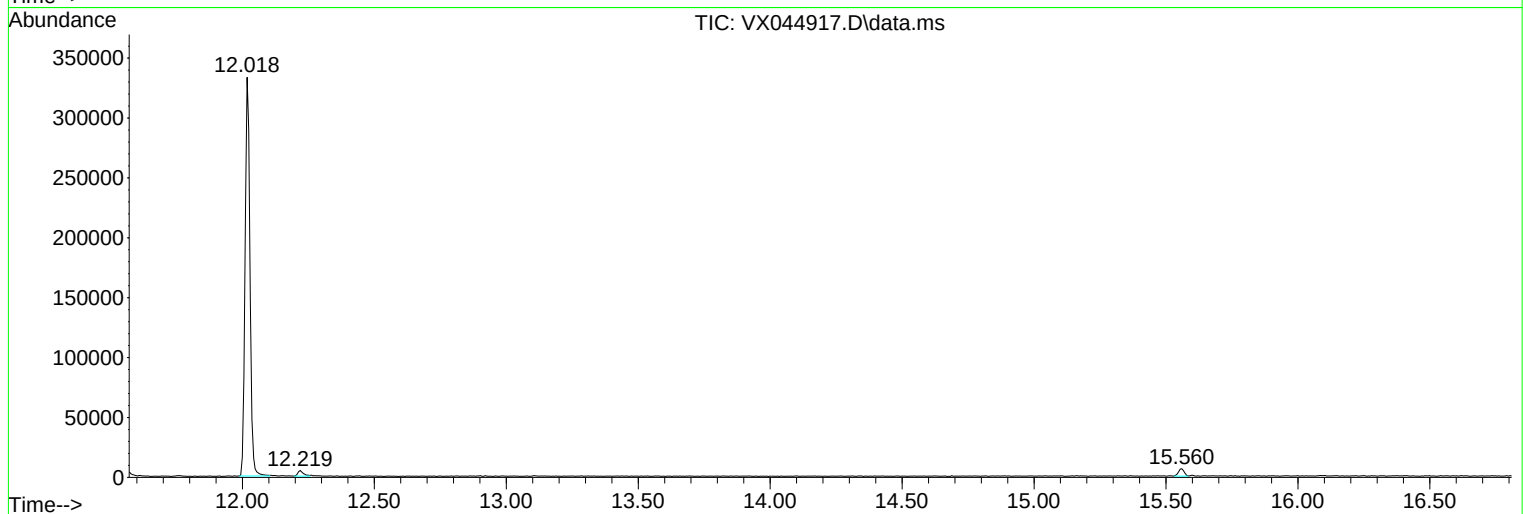
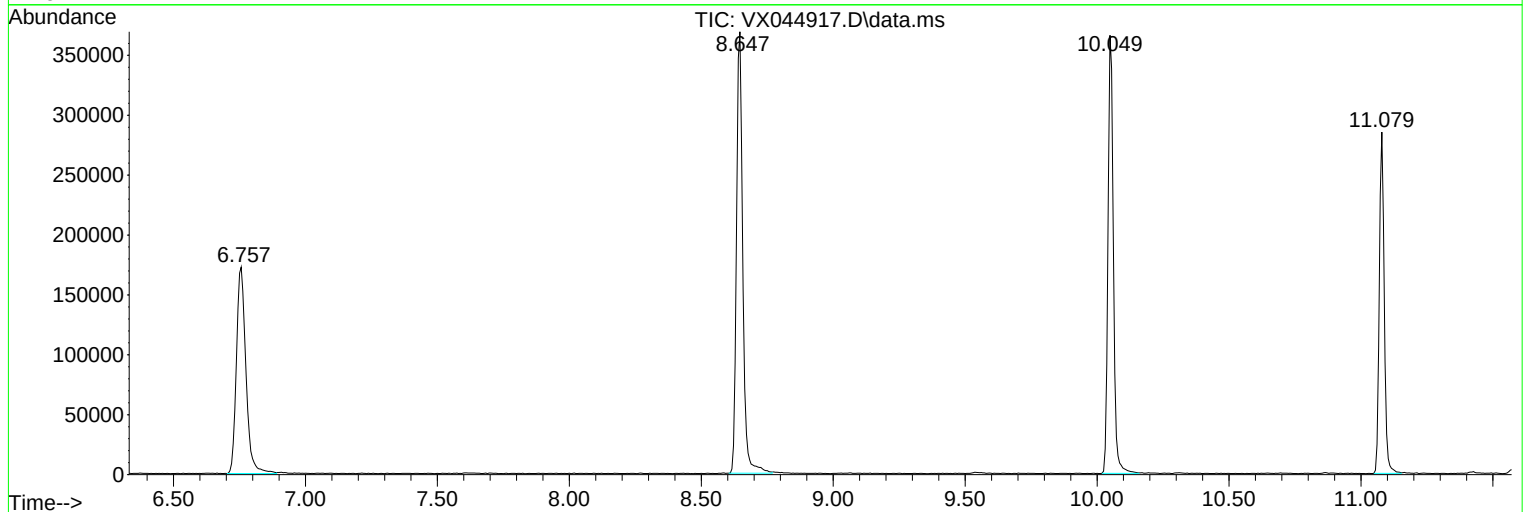
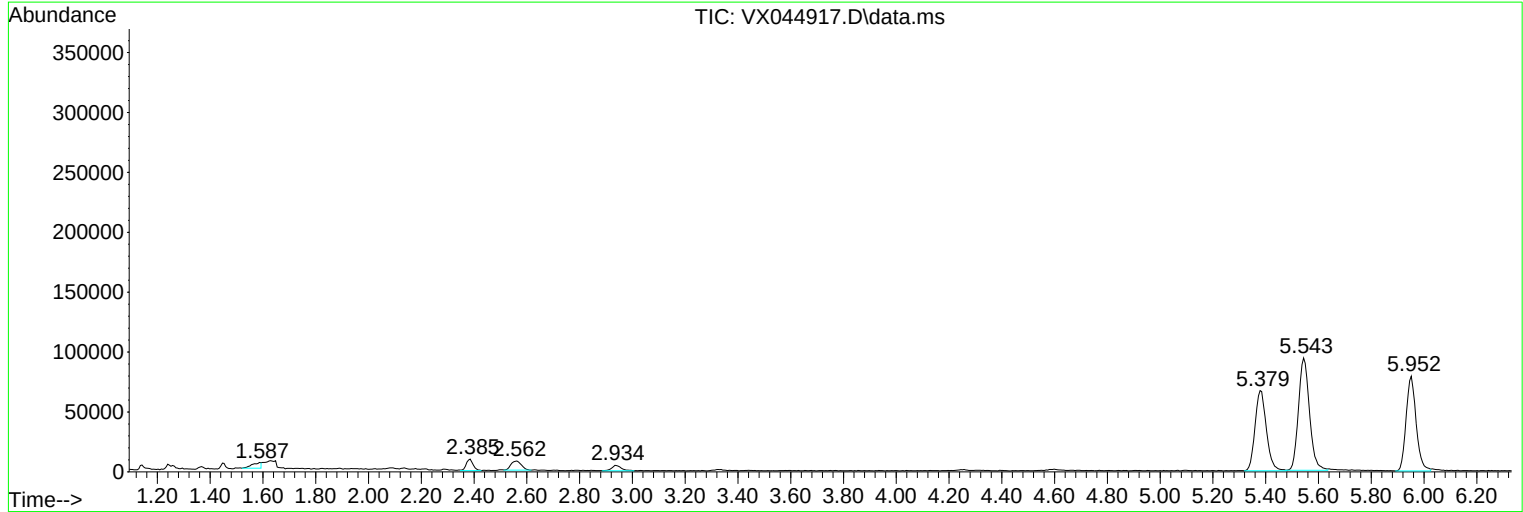
Sum of corrected areas: 3118855

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044917.D
Acq On : 11 Feb 2025 19:28
Operator : JC/MD
Sample : Q1327-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-580-582

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\VX021125\
Data File : VX044917.D
Acq On : 11 Feb 2025 19:28
Operator : JC/MD
Sample : Q1327-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-580-582

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\VX021125\
Data File : VX044917.D
Acq On : 11 Feb 2025 19:28
Operator : JC/MD
Sample : Q1327-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-580-582

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:	02/05/25		
Project:	CTO WE13			Date Received:	02/06/25		
Client Sample ID:	BP-VPB-192-GW-600-602			SDG No.:	Q1327		
Lab Sample ID:	Q1327-08			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
VX044916.D	10		02/11/25 19:05	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	5.00	U	3.50	5.00	10.0	ug/L
75-01-4	Vinyl Chloride	7.50	U	3.40	7.50	10.0	ug/L
74-83-9	Bromomethane	37.5	U	13.6	37.5	50.0	ug/L
75-00-3	Chloroethane	7.50	U	5.60	7.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	3.40	5.00	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	2.50	5.00	10.0	ug/L
75-35-4	1,1-Dichloroethene	7.50	U	2.60	7.50	10.0	ug/L
67-64-1	Acetone	38.5	J	13.9	37.5	50.0	ug/L
75-15-0	Carbon Disulfide	7.50	U	3.20	7.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	1.60	5.00	10.0	ug/L
75-09-2	Methylene Chloride	5.00	U	3.20	5.00	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	U	2.50	5.00	10.0	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	2.30	5.00	10.0	ug/L
78-93-3	2-Butanone	25.0	U	13.0	25.0	50.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	2.50	5.00	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	7.50	U	2.50	7.50	10.0	ug/L
67-66-3	Chloroform	5.00	U	2.60	5.00	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	1.90	5.00	10.0	ug/L
108-87-2	Methylcyclohexane	5.00	U	1.90	5.00	10.0	ug/L
71-43-2	Benzene	5.00	U	1.60	5.00	10.0	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	2.40	5.00	10.0	ug/L
79-01-6	Trichloroethene	7.50	U	3.20	7.50	10.0	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	1.90	5.00	10.0	ug/L
75-27-4	Bromodichloromethane	5.00	U	2.40	5.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	7.50	25.0	50.0	ug/L
108-88-3	Toluene	5.00	U	1.80	5.00	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	5.00	U	2.10	5.00	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1.80	5.00	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	2.10	5.00	10.0	ug/L
591-78-6	2-Hexanone	25.0	U	11.3	25.0	50.0	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	02/05/25	
Project:	CTO WE13			Date Received:	02/06/25	
Client Sample ID:	BP-VPB-192-GW-600-602			SDG No.:	Q1327	
Lab Sample ID:	Q1327-08			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
VX044916.D	10		02/11/25 19:05	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	5.00	U	1.80	5.00	10.0	ug/L
127-18-4	Tetrachloroethene	5.00	U	2.50	5.00	10.0	ug/L
108-90-7	Chlorobenzene	5.00	U	1.30	5.00	10.0	ug/L
100-41-4	Ethyl Benzene	5.00	U	1.60	5.00	10.0	ug/L
179601-23-1	m/p-Xylenes	10.0	U	3.10	10.0	20.0	ug/L
95-47-6	o-Xylene	5.00	U	1.40	5.00	10.0	ug/L
100-42-5	Styrene	5.00	U	1.60	5.00	10.0	ug/L
75-25-2	Bromoform	5.00	U	2.10	5.00	10.0	ug/L
98-82-8	Isopropylbenzene	5.00	U	1.30	5.00	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	2.70	5.00	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	2.40	5.00	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	2.70	5.00	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	1.90	5.00	10.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.9		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	93300	5.544				
540-36-3	1,4-Difluorobenzene	191000	6.757				
3114-55-4	Chlorobenzene-d5	175000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	75600	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/05/25
Project:	CTO WE13	Date Received:	02/06/25
Client Sample ID:	BP-VPB-192-GW-600-602	SDG No.:	Q1327
Lab Sample ID:	Q1327-08	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
VX044916.D	10		02/11/25 19:05	VX021125

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\VX021125\
 Data File : VX044916.D
 Acq On : 11 Feb 2025 19:05
 Operator : JC/MD
 Sample : Q1327-08 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-600-602

Quant Time: Feb 12 02:46:57 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)

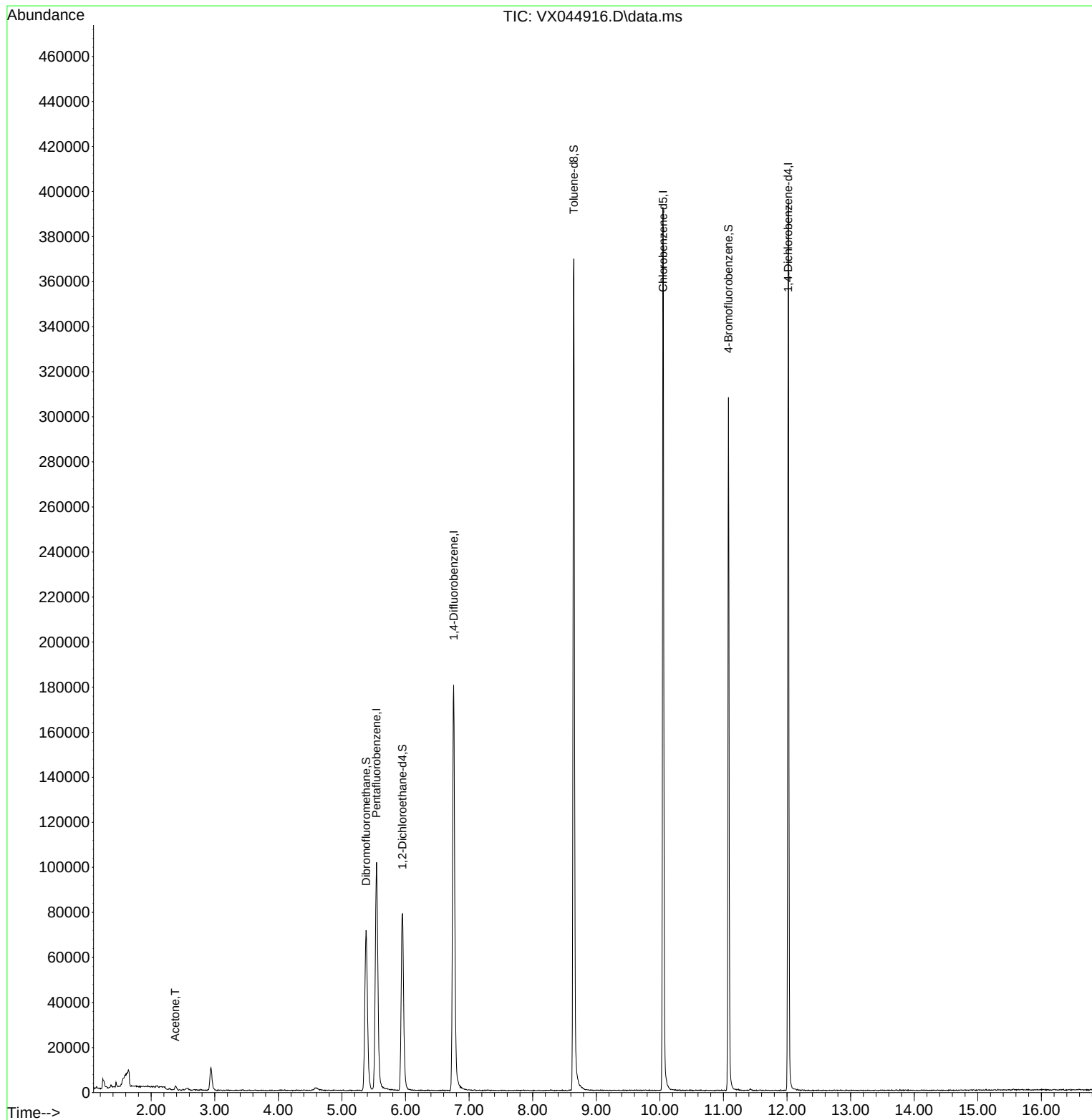
Internal Standards							
1) Pentafluorobenzene		5.544	168	93253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		6.757	114	190982	50.000	ug/l	0.00
63) Chlorobenzene-d5		10.049	117	174939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		12.018	152	75627	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		5.952	65	74877	54.853	ug/l	0.00
Spiked Amount 50.000		Range 74 - 125		Recovery = 109.700%			
35) Dibromofluoromethane		5.379	113	63363	51.029	ug/l	0.00
Spiked Amount 50.000		Range 75 - 124		Recovery = 102.060%			
50) Toluene-d8		8.647	98	234131	49.864	ug/l	0.00
Spiked Amount 50.000		Range 86 - 113		Recovery = 99.720%			
62) 4-Bromofluorobenzene		11.079	95	83624	52.829	ug/l	0.00
Spiked Amount 50.000		Range 77 - 121		Recovery = 105.660%			
Target Compounds							
16) Acetone		2.380	43	2111	3.847	ug/l	Qvalue 92

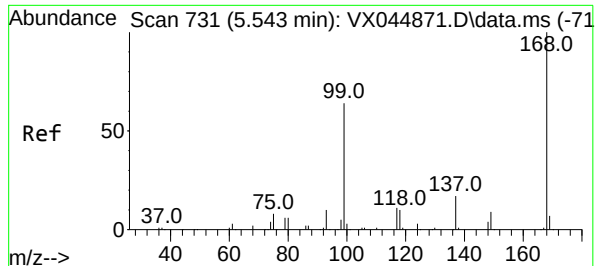
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044916.D
Acq On : 11 Feb 2025 19:05
Operator : JC/MD
Sample : Q1327-08 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-600-602

Quant Time: Feb 12 02:46:57 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# 71

Delta R.T. 0.001 min

Lab File: VX044916.D

Acq: 11 Feb 2025 19:05

Instrument :

MSVOA_X

ClientSampleId :

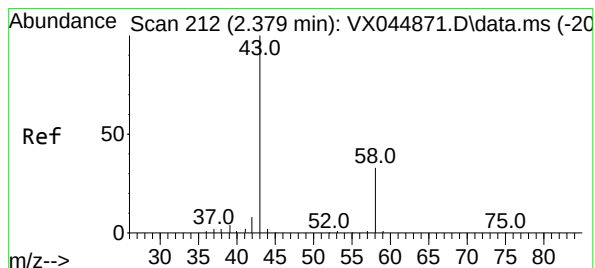
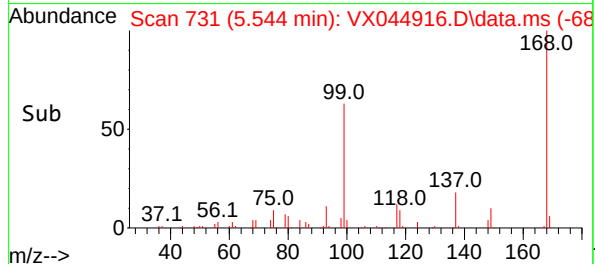
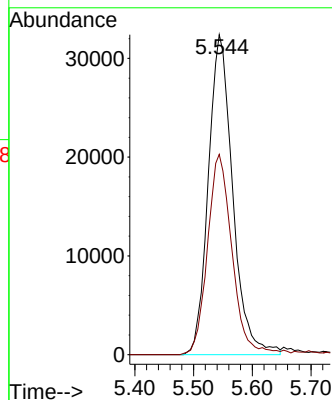
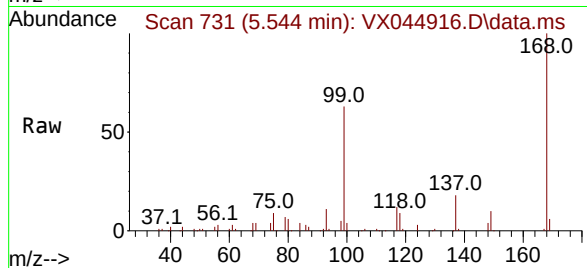
BP-VPB-192-GW-600-602

Tgt Ion:168 Resp: 93253

Ion Ratio Lower Upper

168 100

99 62.6 51.2 76.8



#16

Acetone

Concen: 3.847 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX044916.D

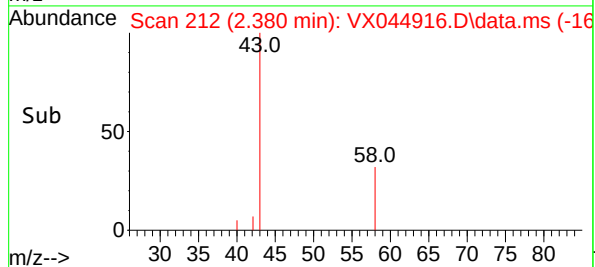
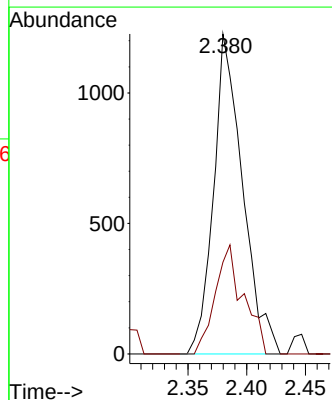
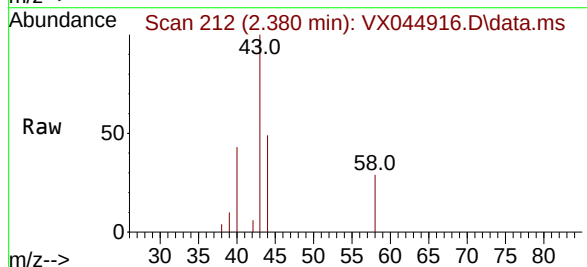
Acq: 11 Feb 2025 19:05

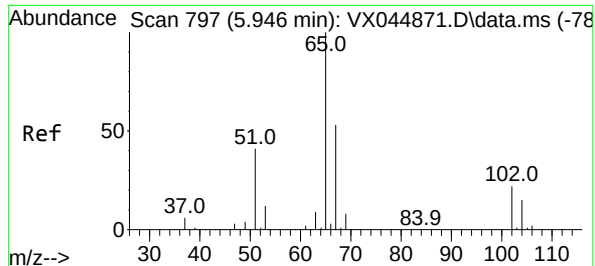
Tgt Ion: 43 Resp: 2111

Ion Ratio Lower Upper

43 100

58 28.6 26.5 39.7





#33

1,2-Dichloroethane-d4

Concen: 54.853 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.007 min

Lab File: VX044916.D

Acq: 11 Feb 2025 19:05

Instrument :

MSVOA_X

ClientSampleId :

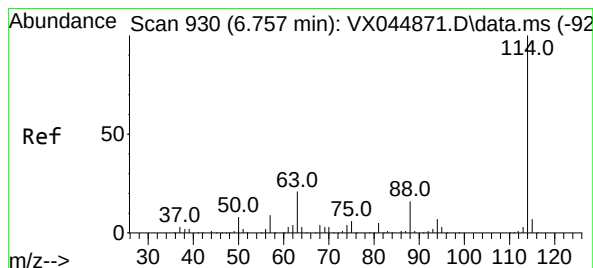
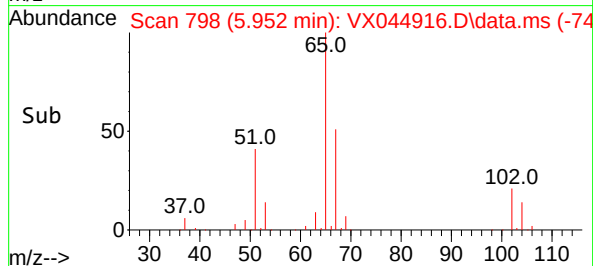
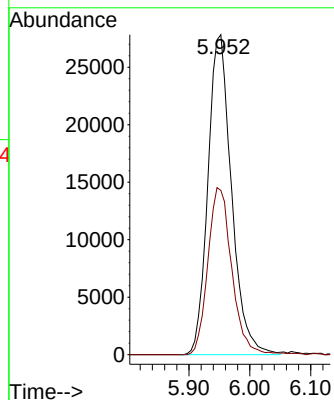
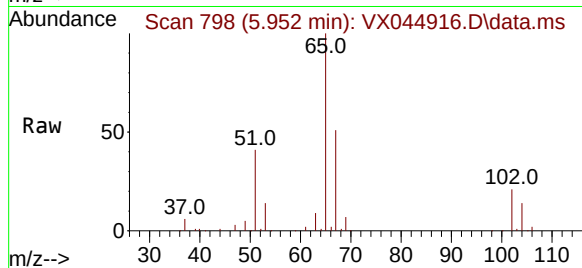
BP-VPB-192-GW-600-602

Tgt Ion: 65 Resp: 74877

Ion Ratio Lower Upper

65 100

67 53.1 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: VX044916.D

Acq: 11 Feb 2025 19:05

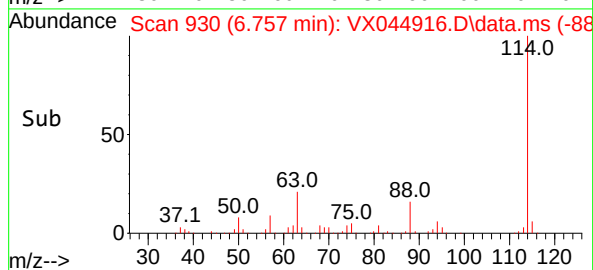
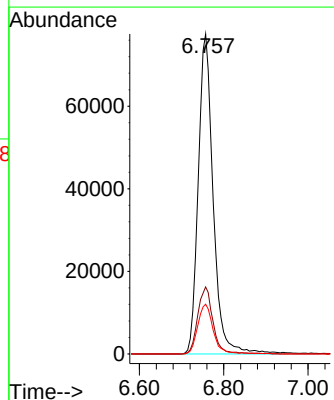
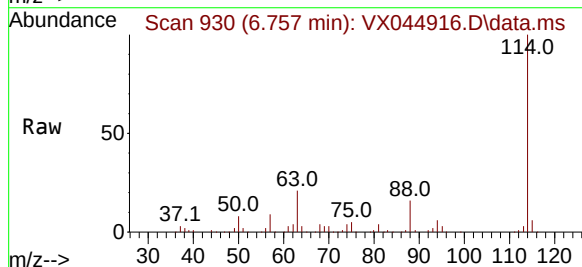
Tgt Ion: 114 Resp: 190982

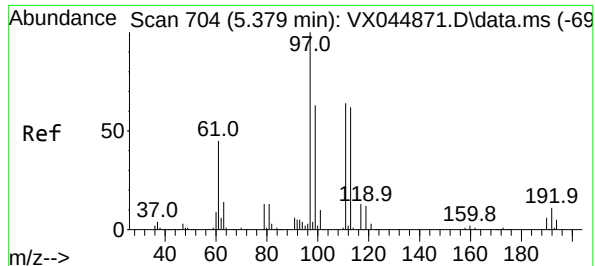
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.4

88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.029 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044916.D

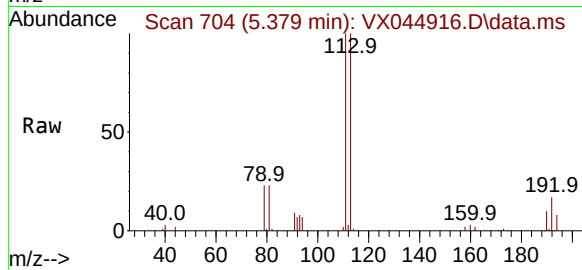
Acq: 11 Feb 2025 19:05

Instrument :

MSVOA_X

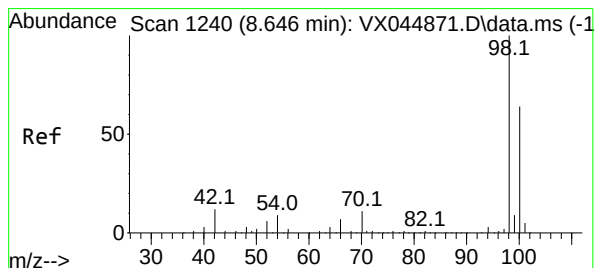
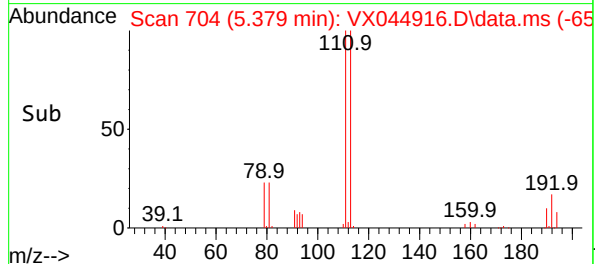
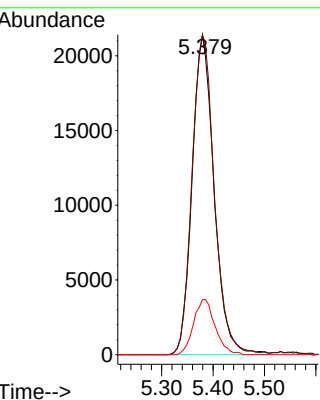
ClientSampleId :

BP-VPB-192-GW-600-602



Tgt Ion:113 Resp: 63363

Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.5	125.3
192	17.0	14.4	21.6



#50

Toluene-d8

Concen: 49.864 ug/l

RT: 8.647 min Scan# 1240

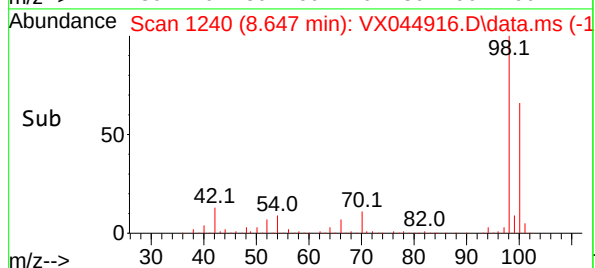
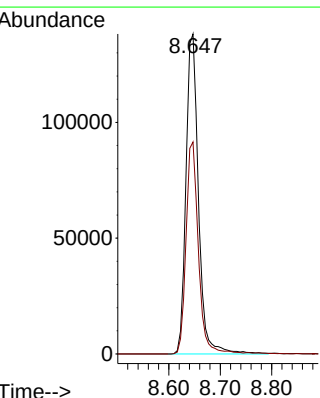
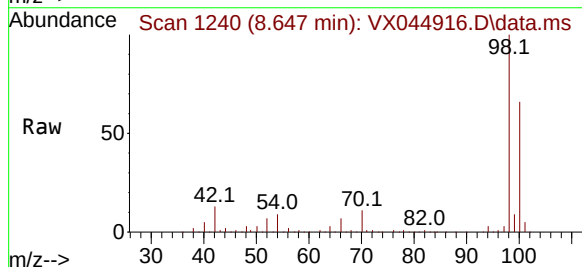
Delta R.T. 0.000 min

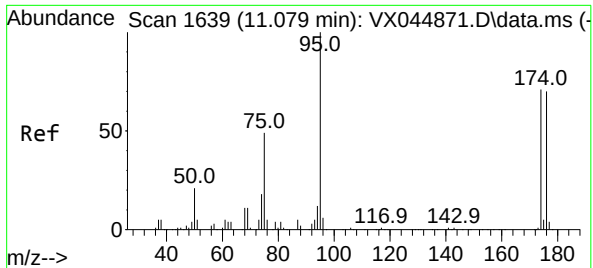
Lab File: VX044916.D

Acq: 11 Feb 2025 19:05

Tgt Ion: 98 Resp: 234131

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1

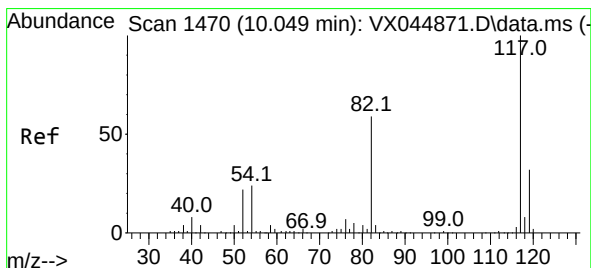
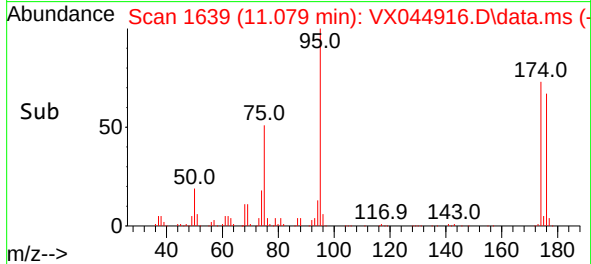
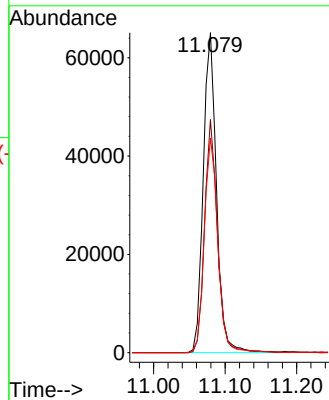
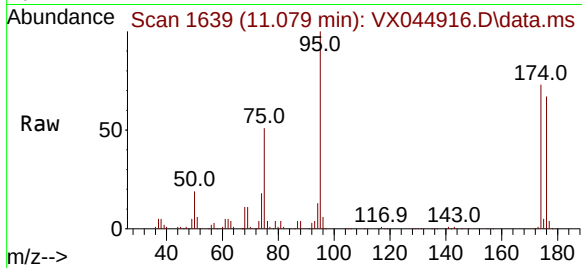




#62
4-Bromofluorobenzene
Concen: 52.829 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044916.D
Acq: 11 Feb 2025 19:05

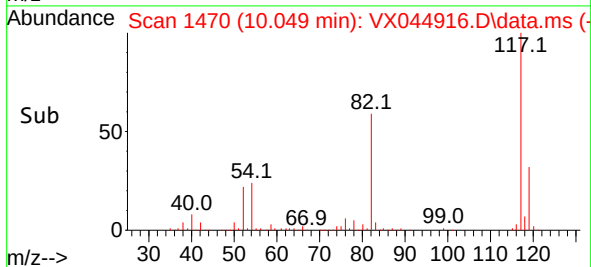
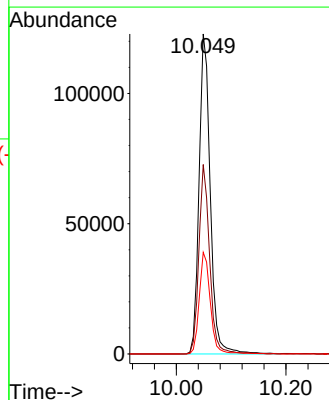
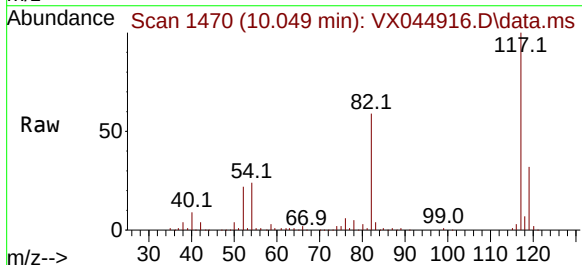
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-600-602

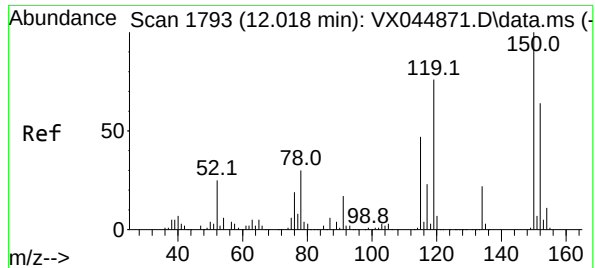
Tgt Ion:	95	Resp:	83624
Ion Ratio	Lower	Upper	
95	100		
174	71.3	0.0	142.6
176	69.2	0.0	141.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044916.D
Acq: 11 Feb 2025 19:05

Tgt Ion:	117	Resp:	174939
Ion Ratio	Lower	Upper	
117	100		
82	59.2	47.5	71.3
119	31.8	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: VX044916.D

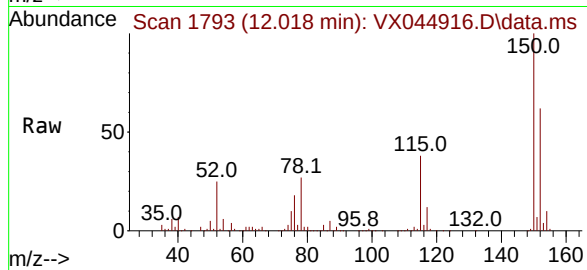
Acq: 11 Feb 2025 19:05

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-600-602



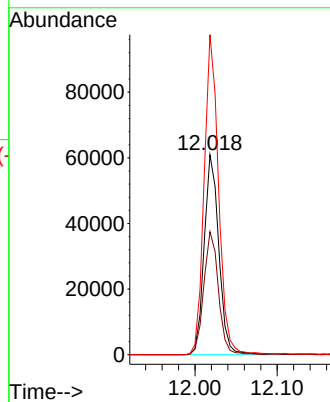
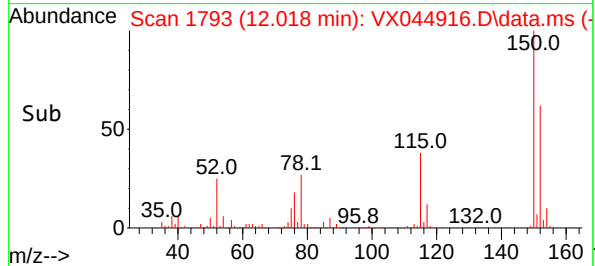
Tgt Ion:152 Resp: 75627

Ion Ratio Lower Upper

152 100

115 61.5 43.4 130.1

150 157.1 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044916.D
Acq On : 11 Feb 2025 19:05
Operator : JC/MD
Sample : Q1327-08 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-600-602

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: VX044916.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.941	297	304	314	rVB2	9949	23156	3.71%	0.717%
2	5.379	693	704	719	rBV	71348	209696	33.58%	6.489%
3	5.544	719	731	746	rBV	100728	284710	45.59%	8.811%
4	5.952	789	798	813	rBV	78380	213675	34.21%	6.612%
5	6.757	920	930	947	rBV	180203	447265	71.62%	13.841%
6	8.647	1233	1240	1255	rBV	369141	624526	100.00%	19.327%
7	10.049	1465	1470	1489	rBV	391823	548700	87.86%	16.980%
8	11.079	1634	1639	1654	rBV	307500	398039	63.73%	12.318%
9	12.018	1788	1793	1808	rBV	393832	481623	77.12%	14.905%

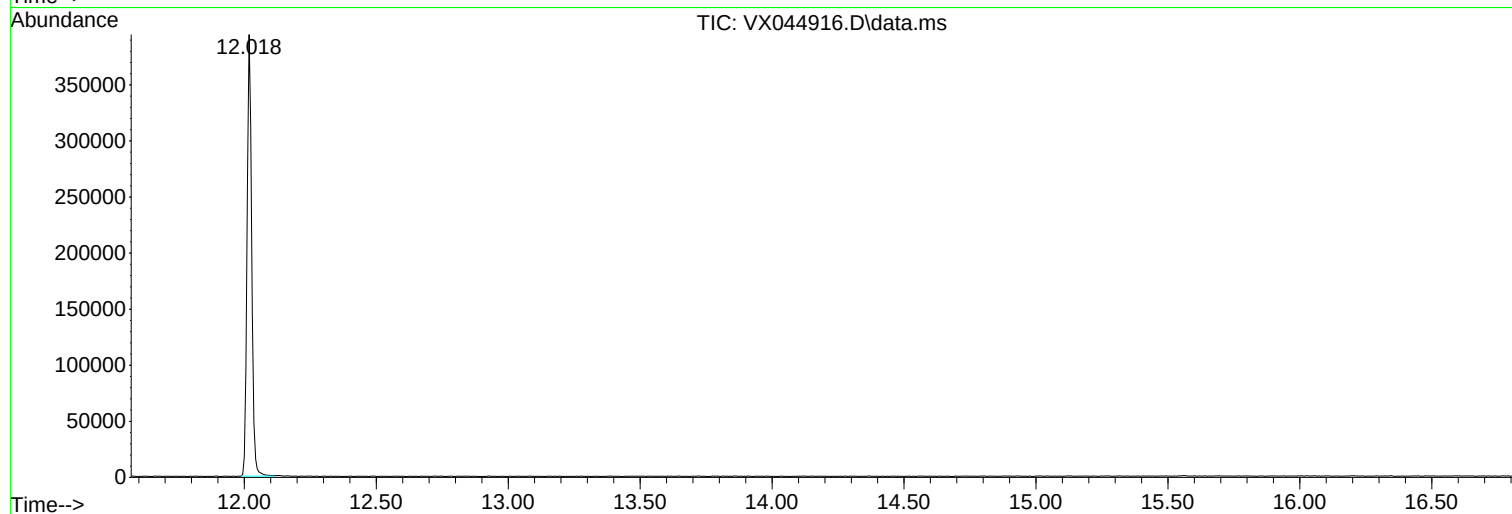
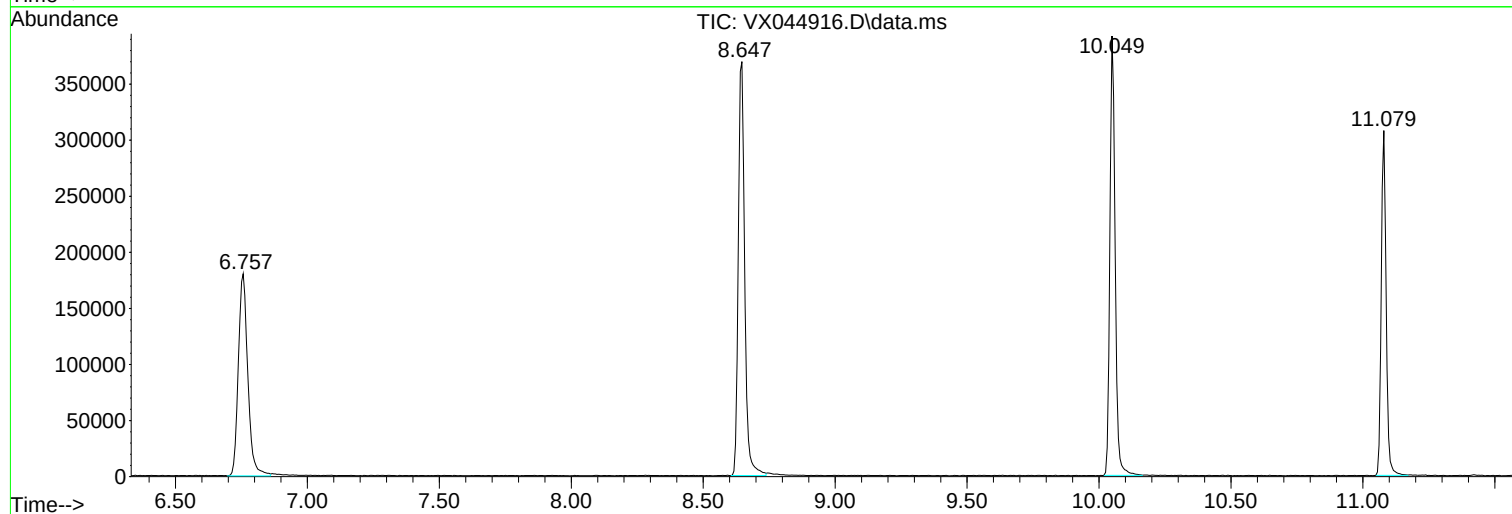
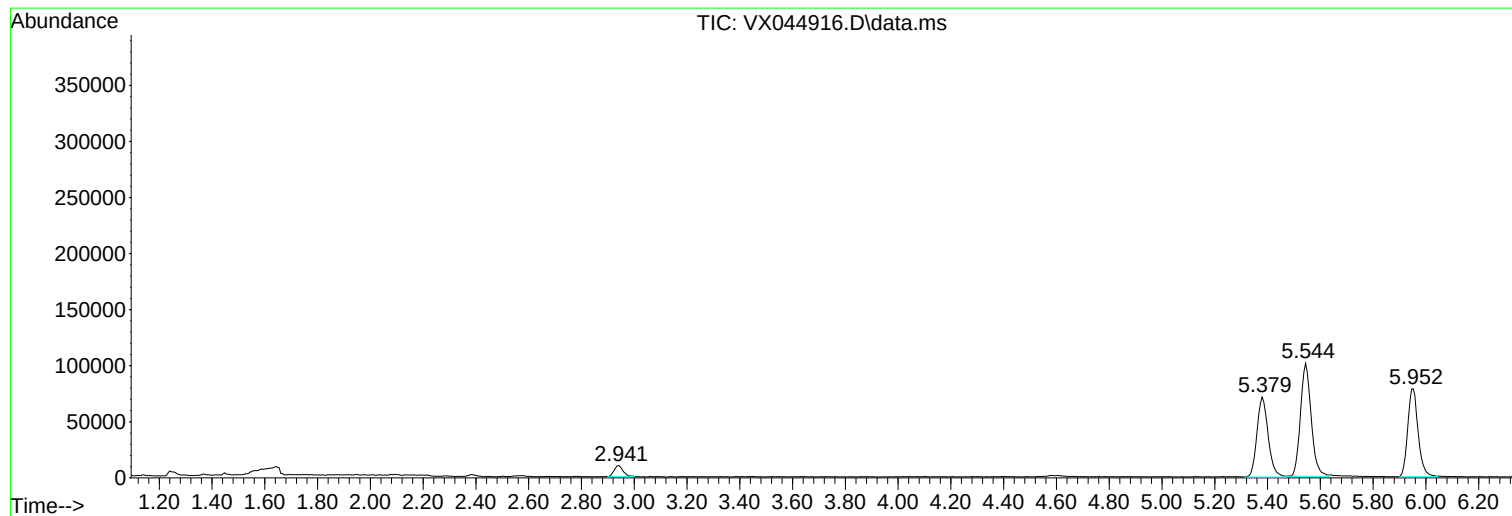
Sum of corrected areas: 3231390

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044916.D
Acq On : 11 Feb 2025 19:05
Operator : JC/MD
Sample : Q1327-08 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-600-602

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\VX021125\
Data File : VX044916.D
Acq On : 11 Feb 2025 19:05
Operator : JC/MD
Sample : Q1327-08 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-600-602

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\VX021125\
Data File : VX044916.D
Acq On : 11 Feb 2025 19:05
Operator : JC/MD
Sample : Q1327-08 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-600-602

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:	02/05/25		
Project:	CTO WE13			Date Received:	02/06/25		
Client Sample ID:	BP-VPB-192-GW-625-627			SDG No.:	Q1327		
Lab Sample ID:	Q1327-09			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
VX044915.D	1		02/11/25 18:42	VX021125

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	5.00		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:	02/05/25	
Project:	CTO WE13		Date Received:	02/06/25	
Client Sample ID:	BP-VPB-192-GW-625-627		SDG No.:	Q1327	
Lab Sample ID:	Q1327-09		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
VX044915.D	1		02/11/25 18:42	VX021125

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	53.9		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.6		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	90400	5.55				
540-36-3	1,4-Difluorobenzene	184000	6.757				
3114-55-4	Chlorobenzene-d5	165000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	71800	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/05/25
Project:	CTO WE13	Date Received:	02/06/25
Client Sample ID:	BP-VPB-192-GW-625-627	SDG No.:	Q1327
Lab Sample ID:	Q1327-09	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
VX044915.D	1		02/11/25 18:42	VX021125

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\VX021125\
 Data File : VX044915.D
 Acq On : 11 Feb 2025 18:42
 Operator : JC/MD
 Sample : Q1327-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-625-627

Quant Time: Feb 12 02:46:38 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)

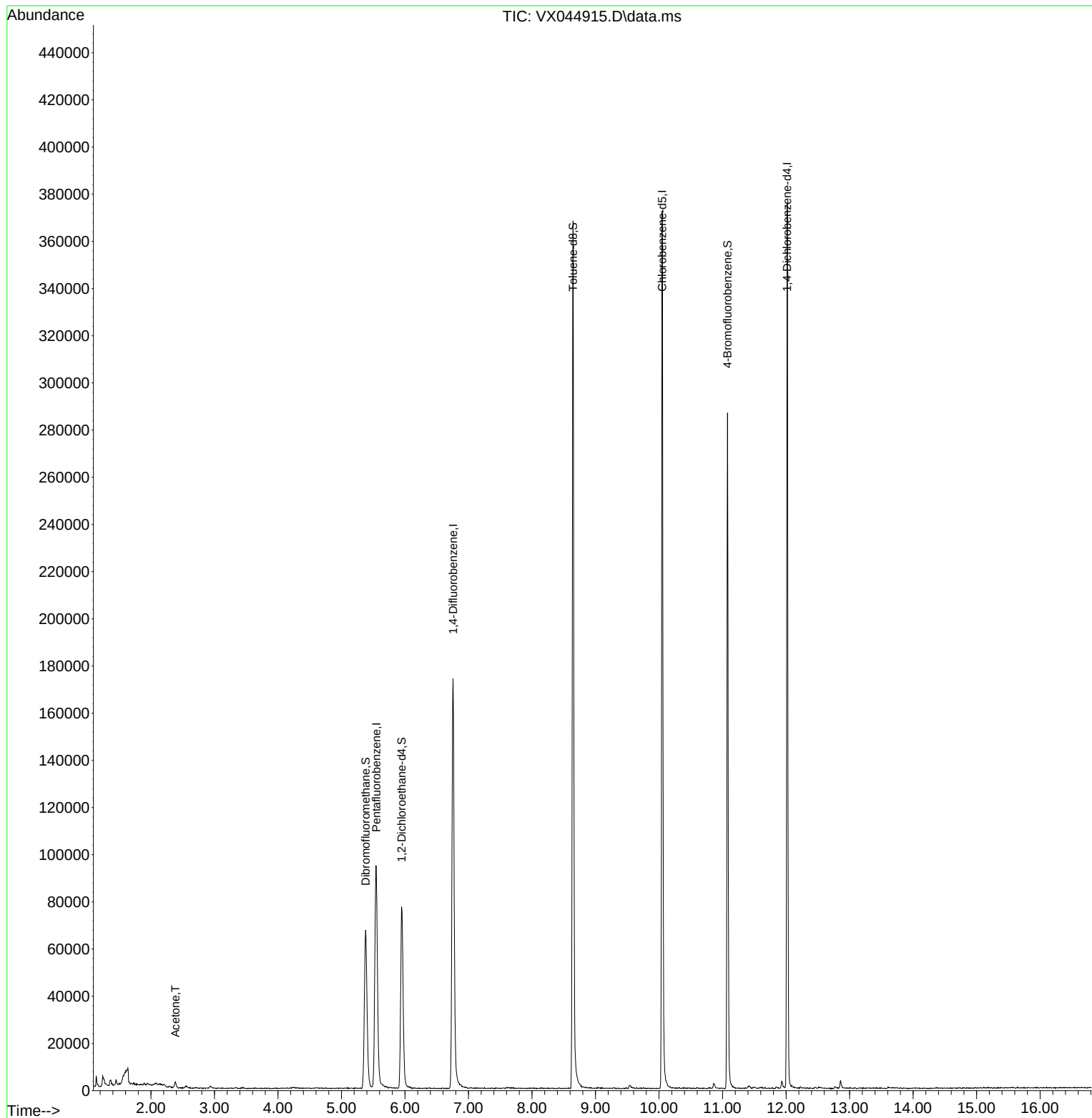
Internal Standards						
1) Pentafluorobenzene	5.550	168	90365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184452	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	165045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	71250	53.864	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.720%
35) Dibromofluoromethane	5.379	113	59218	49.379	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.760%
50) Toluene-d8	8.647	98	225061	49.629	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.260%
62) 4-Bromofluorobenzene	11.079	95	76430	49.994	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.980%
Target Compounds						
16) Acetone	2.386	43	2667	5.015	ug/l	Qvalue 94

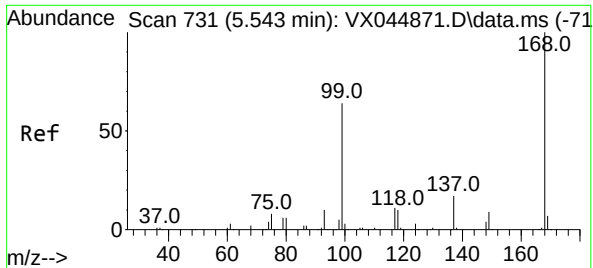
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044915.D
Acq On : 11 Feb 2025 18:42
Operator : JC/MD
Sample : Q1327-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-625-627

Quant Time: Feb 12 02:46:38 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

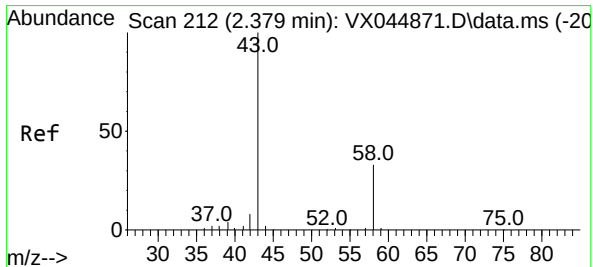
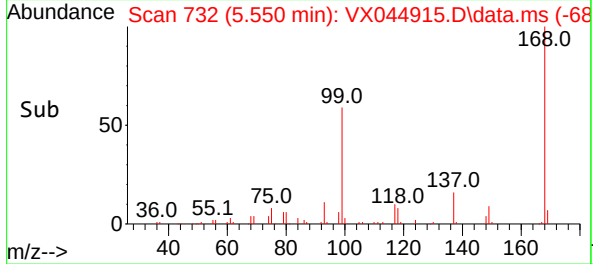
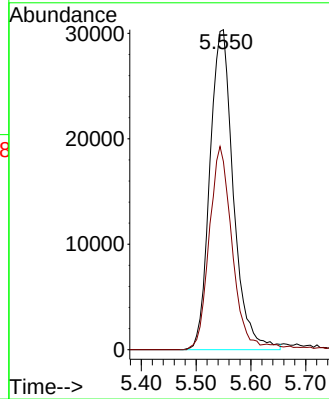
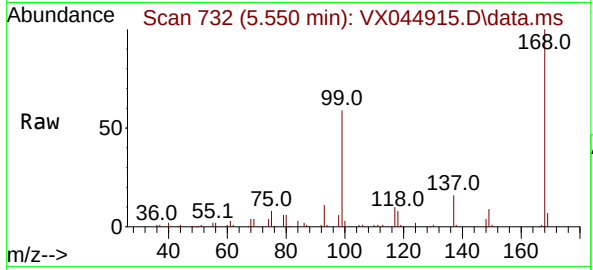




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX044915.D
Acq: 11 Feb 2025 18:42

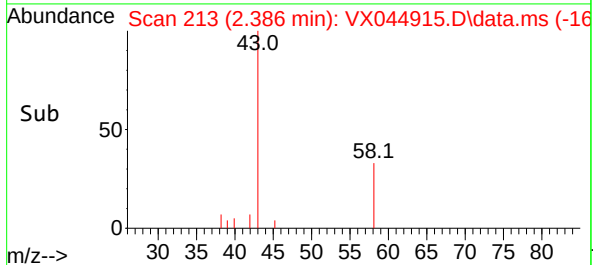
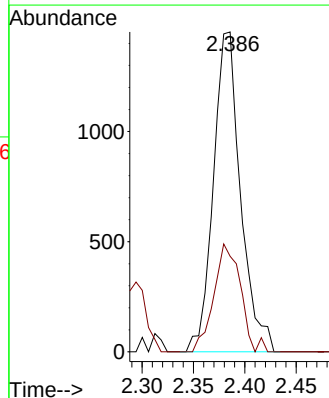
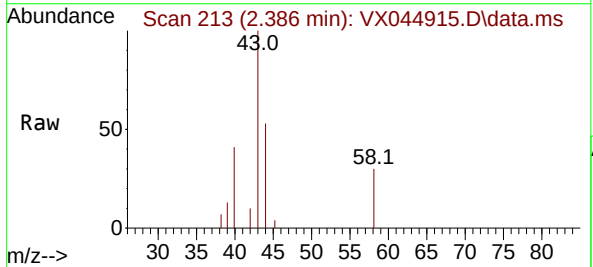
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-625-627

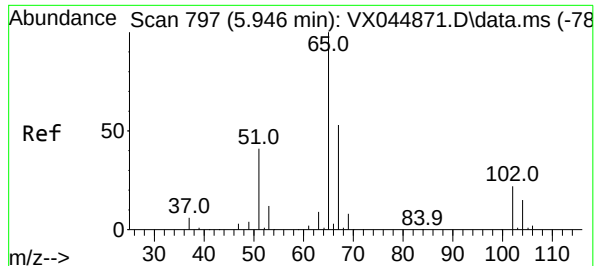
Tgt Ion:168 Resp: 90365
Ion Ratio Lower Upper
168 100
99 58.8 51.2 76.8



#16
Acetone
Concen: 5.015 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044915.D
Acq: 11 Feb 2025 18:42

Tgt Ion: 43 Resp: 2667
Ion Ratio Lower Upper
43 100
58 29.9 26.5 39.7





#33

1,2-Dichloroethane-d4

Concen: 53.864 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044915.D

Acq: 11 Feb 2025 18:42

Instrument :

MSVOA_X

ClientSampleId :

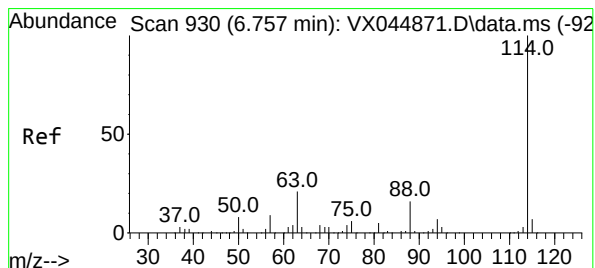
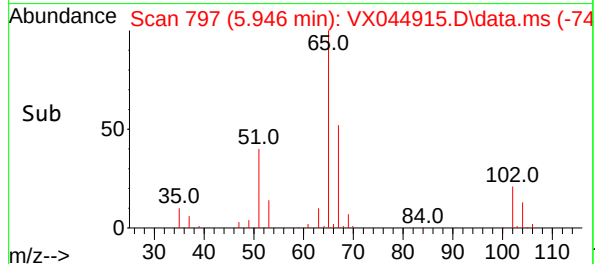
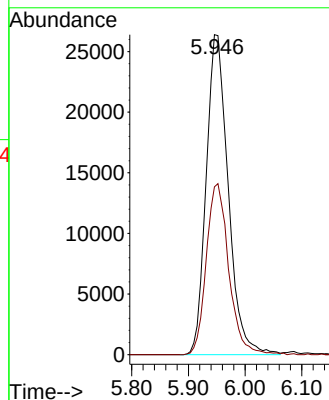
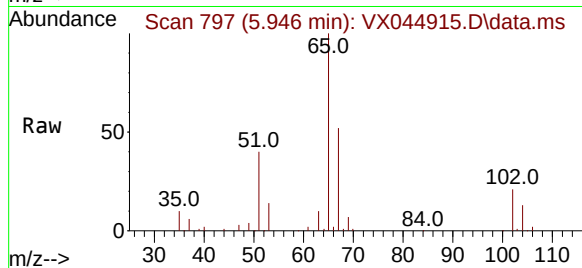
BP-VPB-192-GW-625-627

Tgt Ion: 65 Resp: 71250

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: VX044915.D

Acq: 11 Feb 2025 18:42

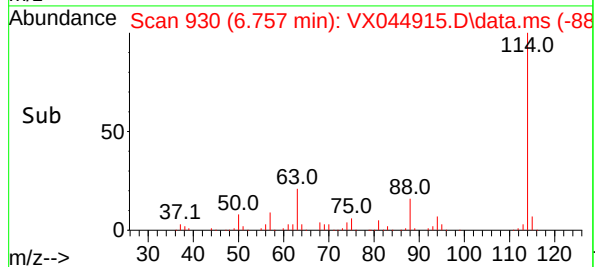
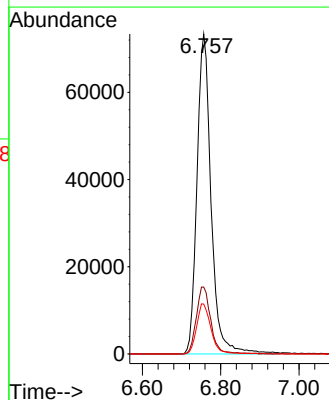
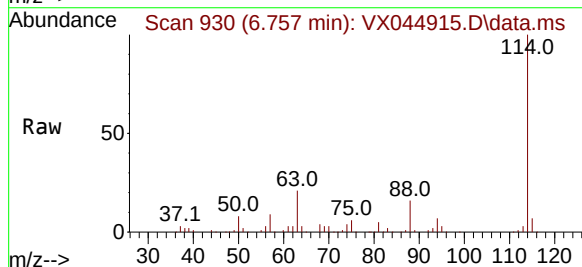
Tgt Ion: 114 Resp: 184452

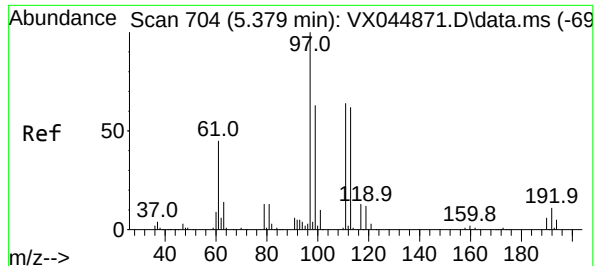
Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.4

88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.379 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044915.D

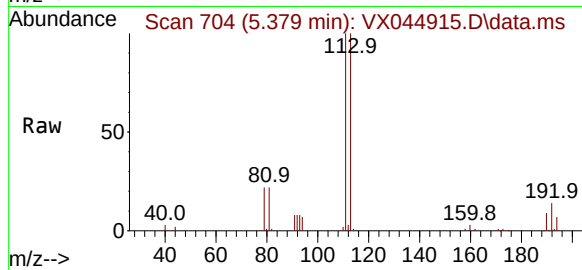
Acq: 11 Feb 2025 18:42

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-625-627



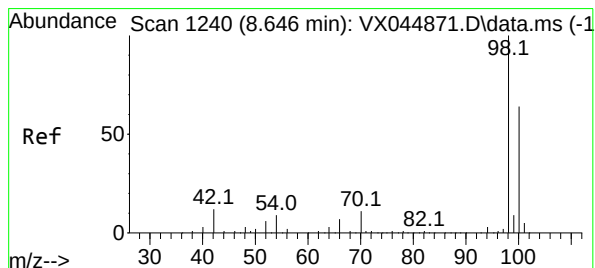
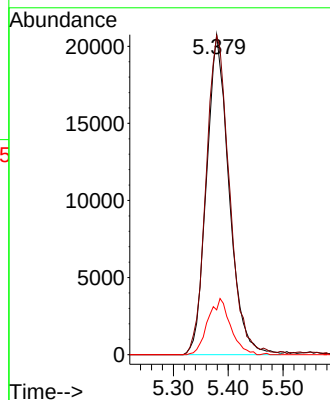
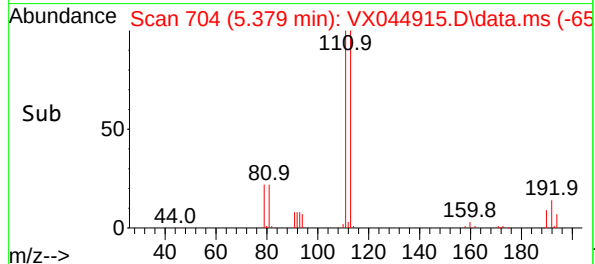
Tgt Ion:113 Resp: 59218

Ion Ratio Lower Upper

113 100

111 103.4 83.5 125.3

192 17.6 14.4 21.6



#50

Toluene-d8

Concen: 49.629 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044915.D

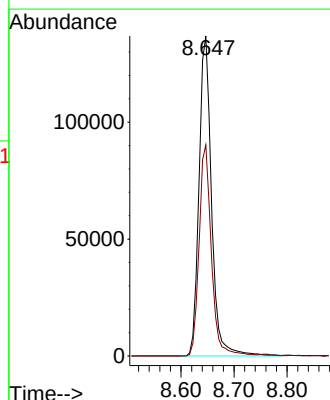
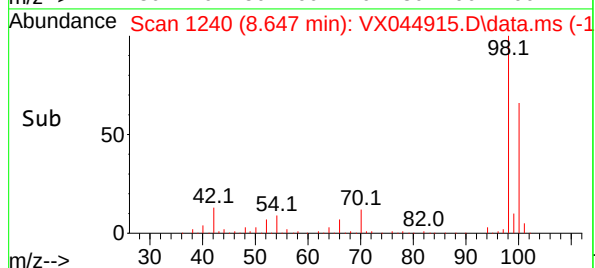
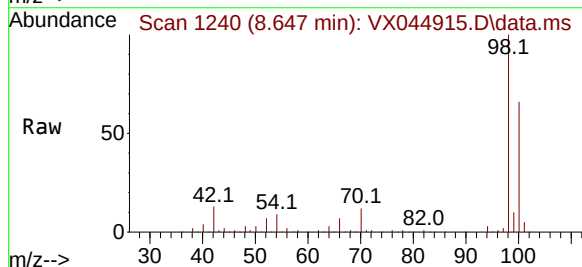
Acq: 11 Feb 2025 18:42

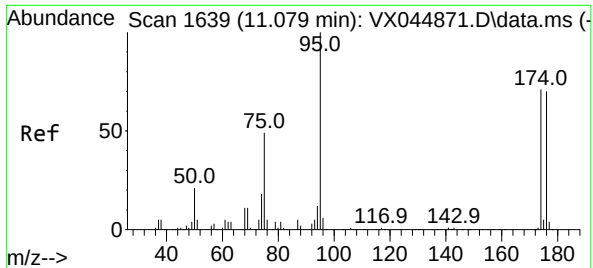
Tgt Ion: 98 Resp: 225061

Ion Ratio Lower Upper

98 100

100 65.1 52.7 79.1

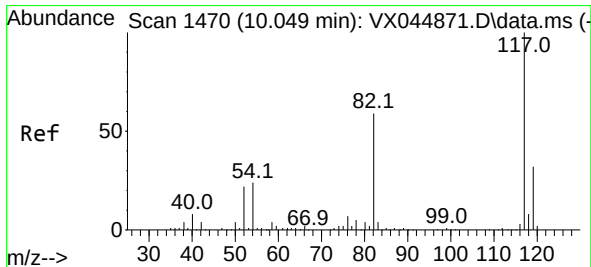
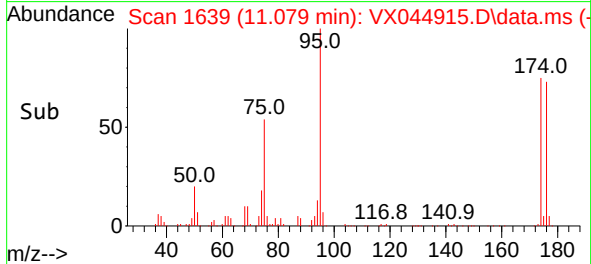
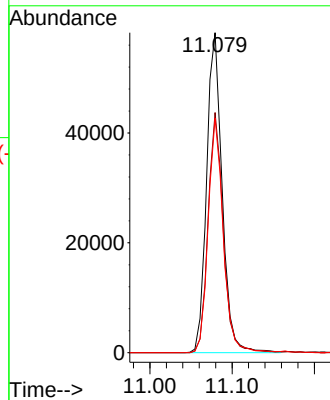
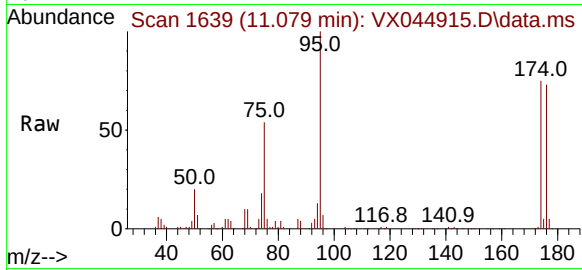




#62
4-Bromofluorobenzene
Concen: 49.994 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044915.D
Acq: 11 Feb 2025 18:42

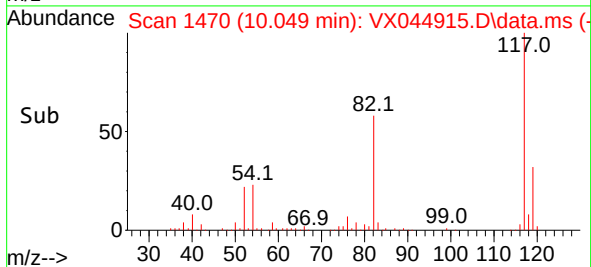
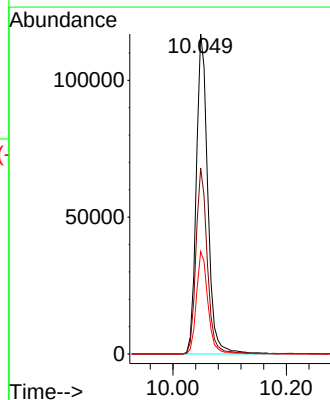
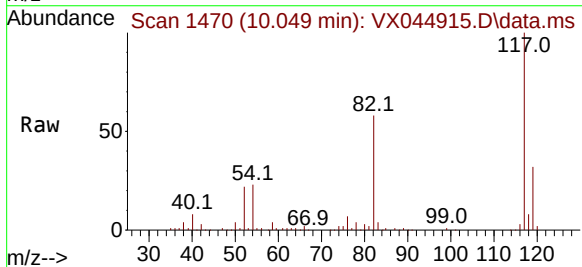
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-625-627

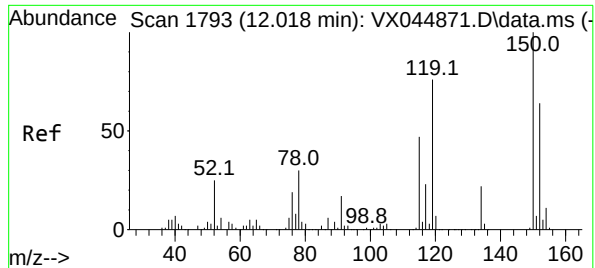
Tgt Ion:	95	Resp:	76430
Ion Ratio	Lower	Upper	
95	100		
174	73.4	0.0	142.6
176	71.2	0.0	141.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044915.D
Acq: 11 Feb 2025 18:42

Tgt Ion:	117	Resp:	165045
Ion Ratio	Lower	Upper	
117	100		
82	58.1	47.5	71.3
119	32.0	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: VX044915.D

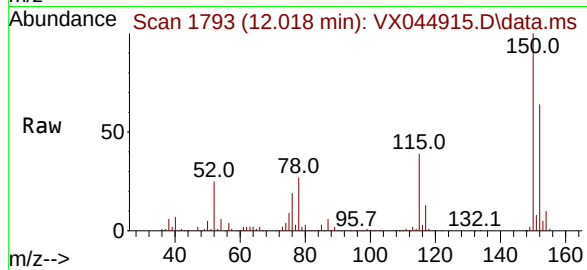
Acq: 11 Feb 2025 18:42

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-625-627



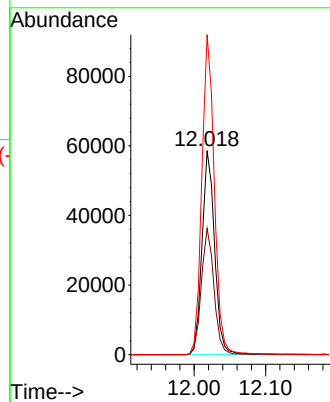
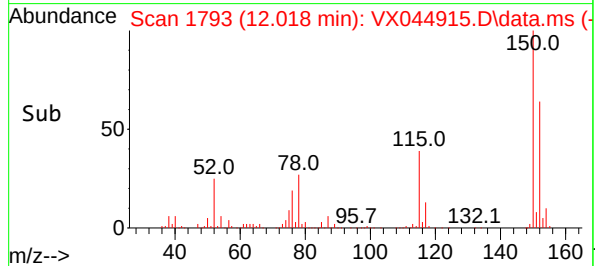
Tgt Ion:152 Resp: 71791

Ion Ratio Lower Upper

152 100

115 62.4 43.4 130.1

150 156.5 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044915.D
Acq On : 11 Feb 2025 18:42
Operator : JC/MD
Sample : Q1327-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-625-627

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: VX044915.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	20	25	27	rBV2	4616	6159	1.02%	0.201%
2	5.379	694	704	717	rBV2	67234	197628	32.87%	6.462%
3	5.544	720	731	753	rVV2	93977	274166	45.59%	8.964%
4	5.946	788	797	811	rBV	76934	205538	34.18%	6.720%
5	6.757	919	930	947	rBV	173794	430233	71.55%	14.067%
6	8.647	1234	1240	1262	rBV	367828	601308	100.00%	19.661%
7	10.049	1465	1470	1488	rBV	371657	519040	86.32%	16.971%
8	11.079	1634	1639	1652	rBV	286028	371224	61.74%	12.138%
9	12.018	1788	1793	1803	rBV	375078	453093	75.35%	14.815%

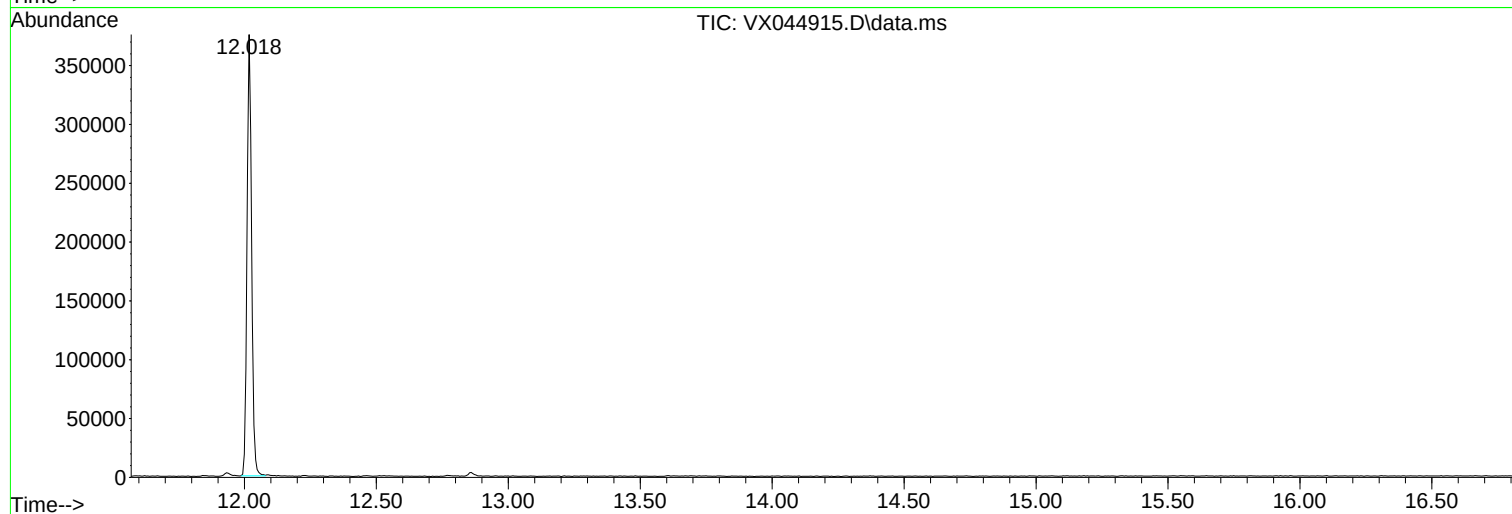
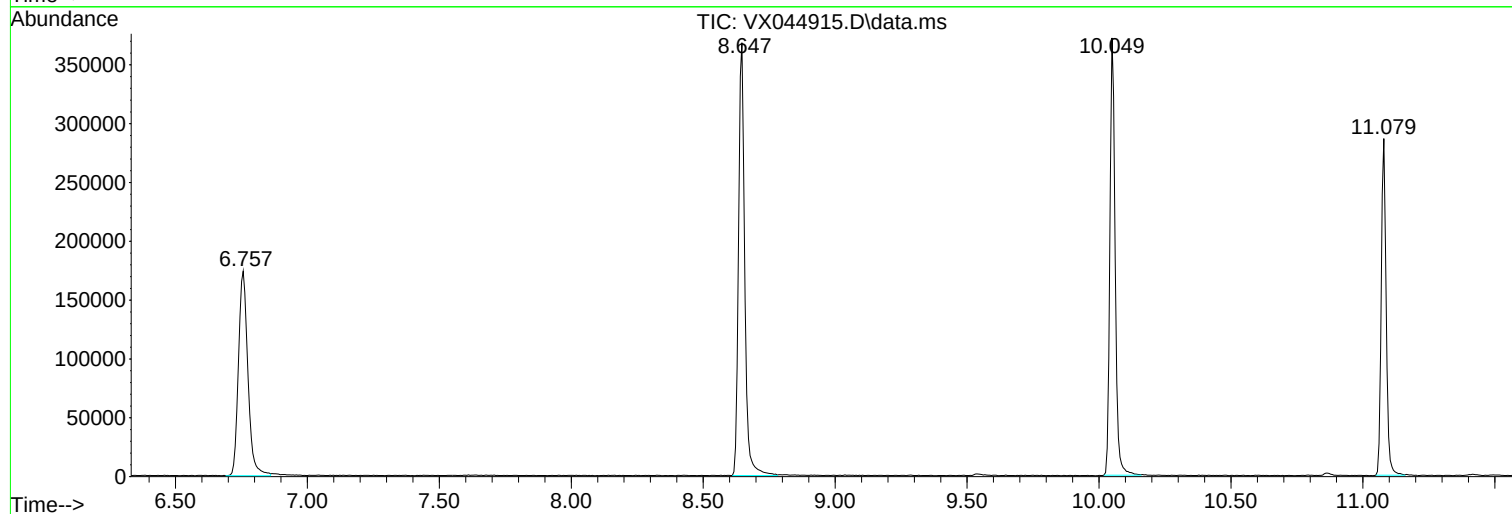
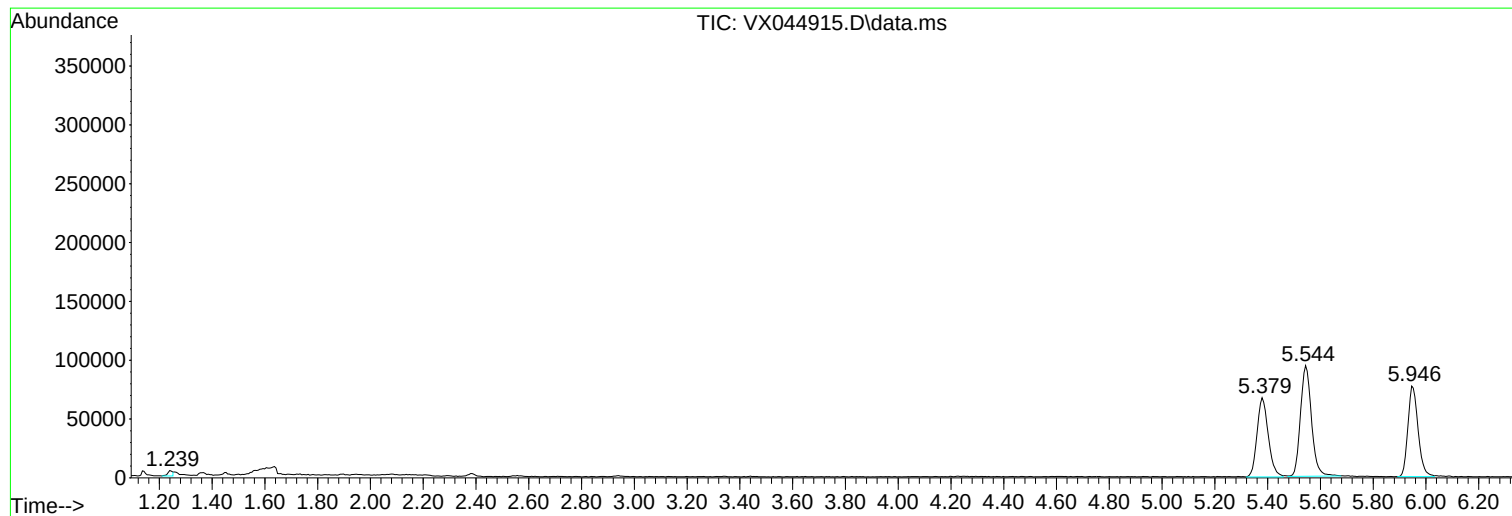
Sum of corrected areas: 3058389

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044915.D
Acq On : 11 Feb 2025 18:42
Operator : JC/MD
Sample : Q1327-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-625-627

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\VX021125\
Data File : VX044915.D
Acq On : 11 Feb 2025 18:42
Operator : JC/MD
Sample : Q1327-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-625-627

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\VX021125\
Data File : VX044915.D
Acq On : 11 Feb 2025 18:42
Operator : JC/MD
Sample : Q1327-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-625-627

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

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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



CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06
 Lab Code: CHEM Case No.: Q1327 SAS No.: Q1327 SDG No.: Q1327
 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.: Q1327 SAS No.: Q1327 SDG No.: Q1327
 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

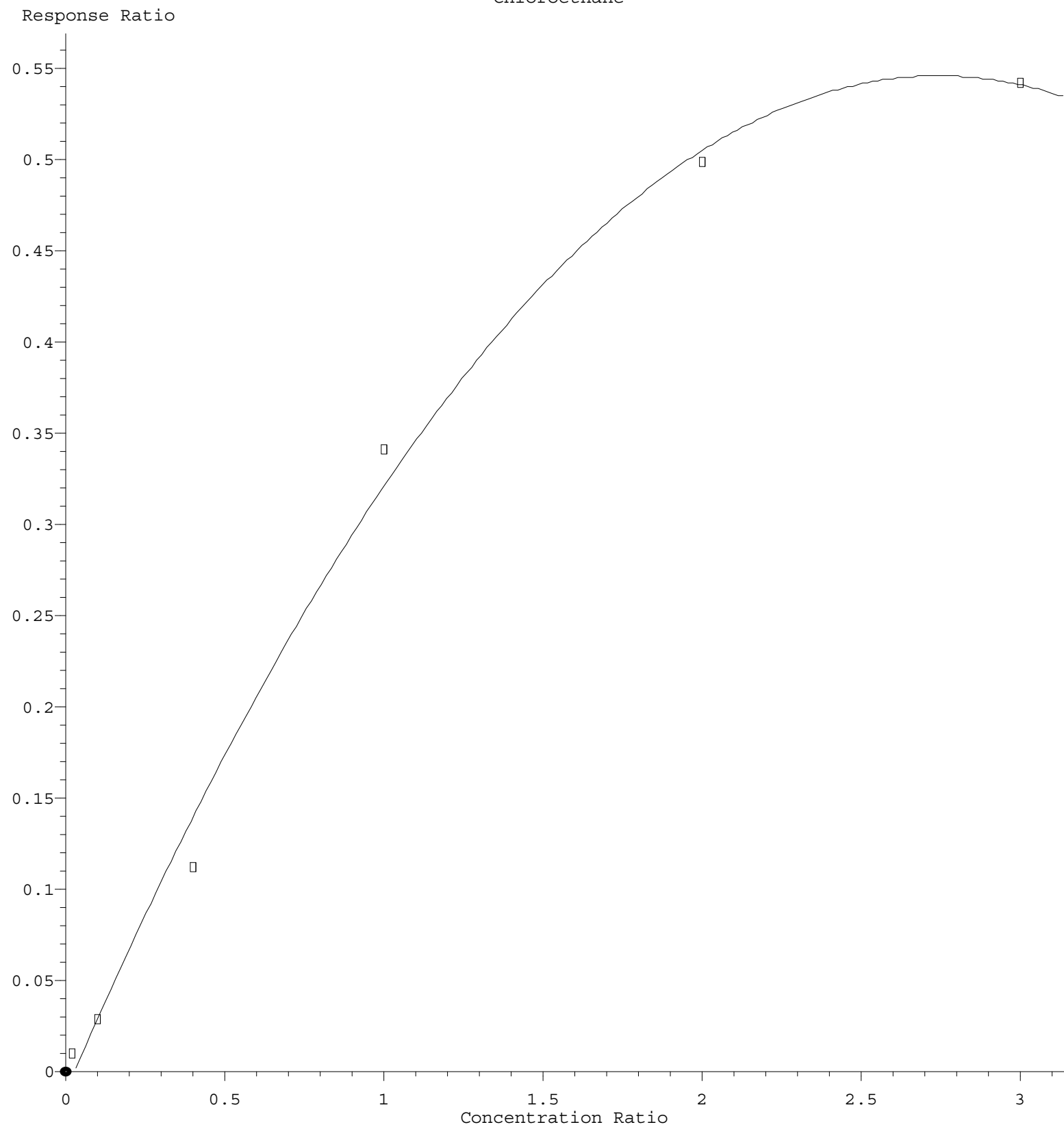
	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.723	0.669	0.716	0.700	0.706	0.693	0.701	2.71
3) P	Chloromethane	0.958	0.860	0.862	0.843	0.805	0.793	0.854	6.89
4) C	Vinyl Chloride	0.839	0.846	0.847	0.808	0.807	0.814	0.827	2.33#
5) T	Bromomethane		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



$R = -7.391e-002 A^2 + 4.057e-001 A - 1.083e-002$
Coef of Det (r^2) = 0.995138 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X021025W.M
Calibration Table Last Updated: Tue Feb 11 03:41:08 2025

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

Manual Integrations
 APPROVED

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

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

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 : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

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

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

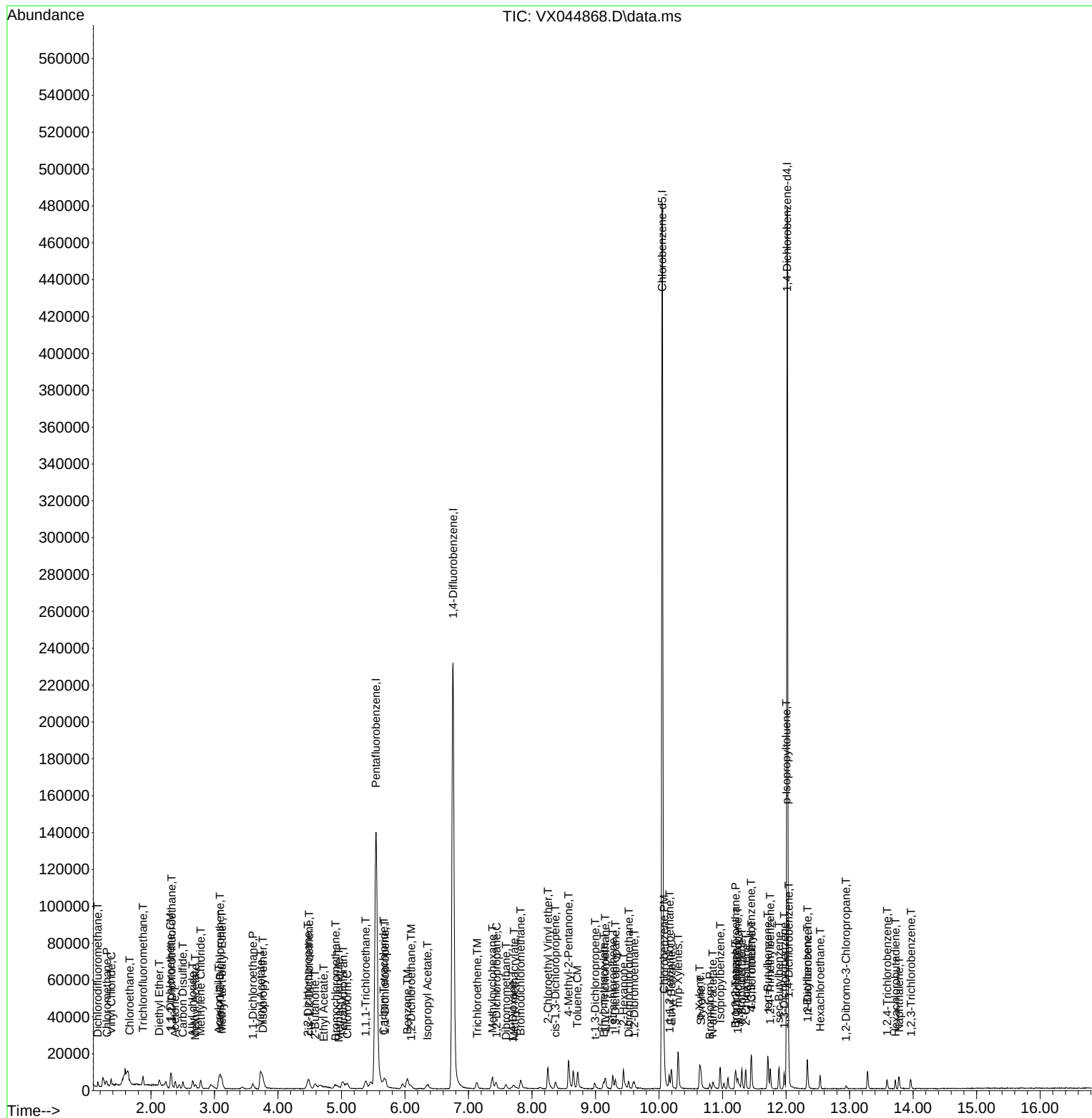
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	1202	0.936	ug/l	95
47) Bromodichloromethane	7.818	83	2176	0.875	ug/l	93
48) Methyl methacrylate	7.720	41	1675	0.830	ug/l	92
49) 1,4-Dioxane	7.696	88	867	20.015	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	11169	4.290	ug/l	96
52) 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

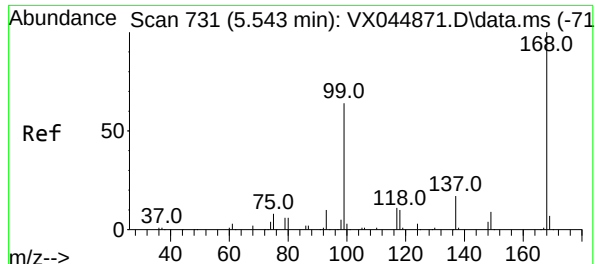
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

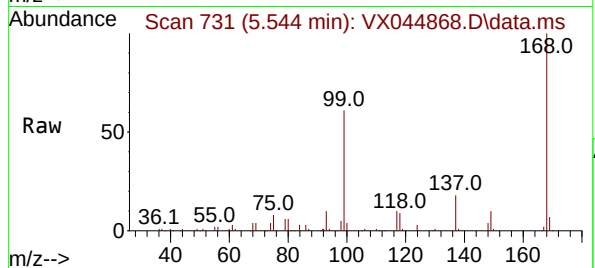
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025





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

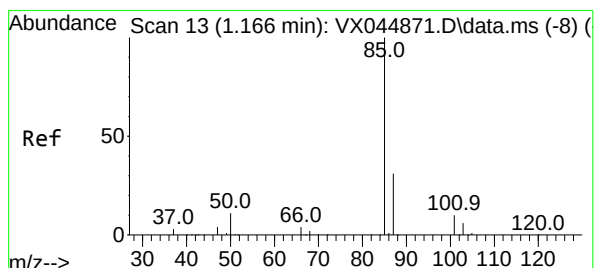
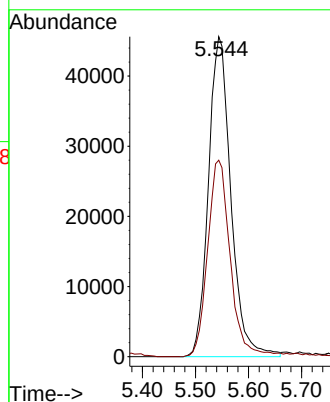
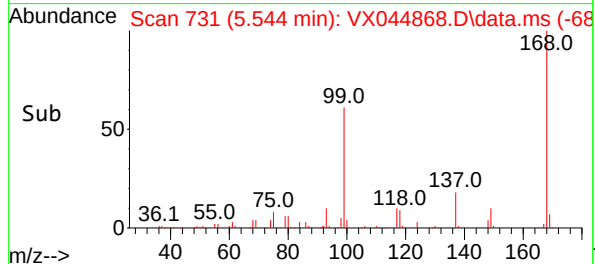
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



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

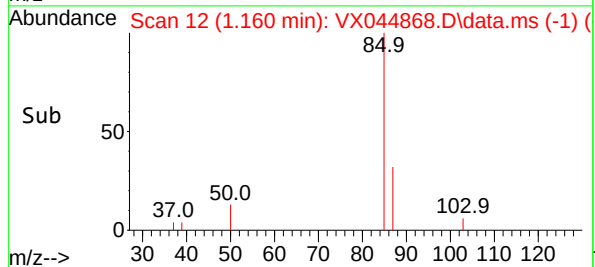
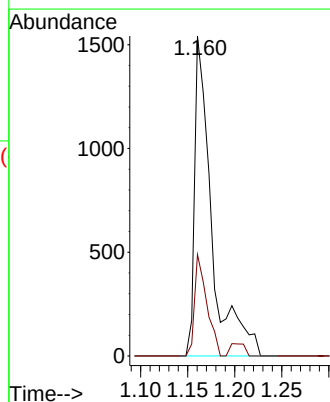
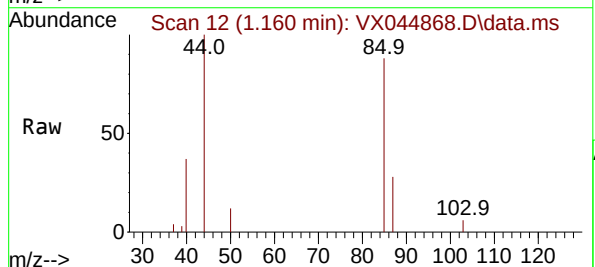
Manual Integrations
APPROVED

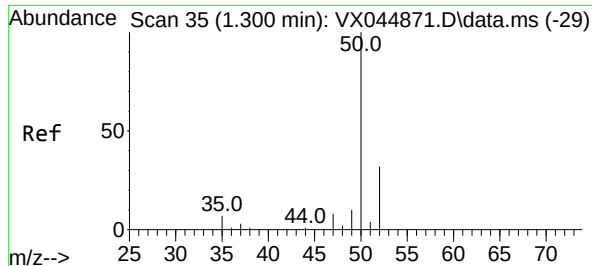
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





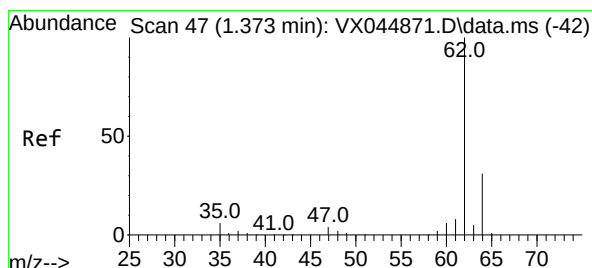
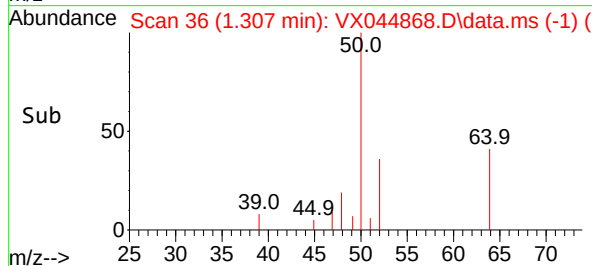
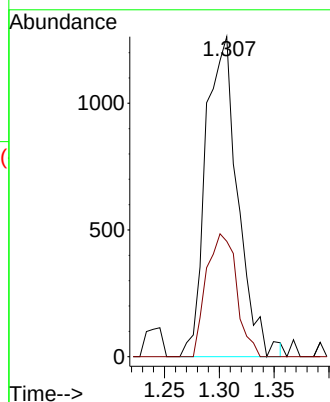
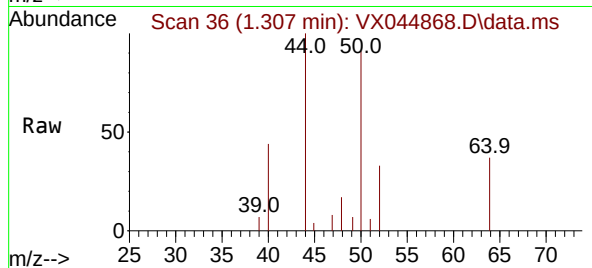
#3
Chloromethane
Concen: 1.123 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

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

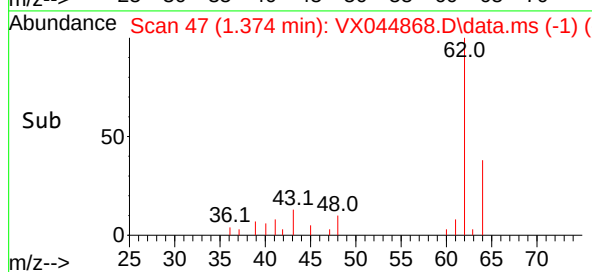
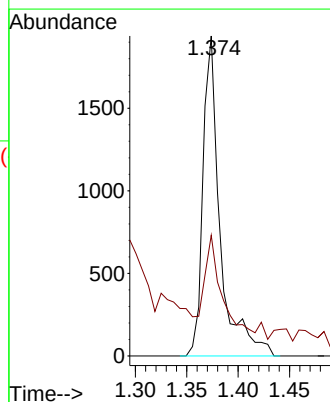
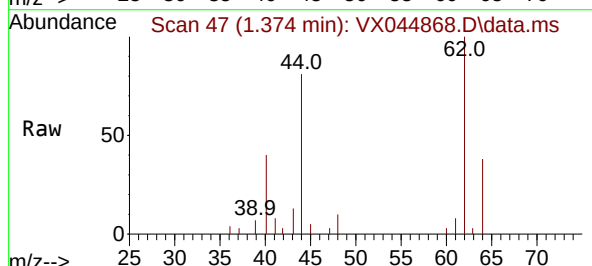
Manual Integrations
APPROVED

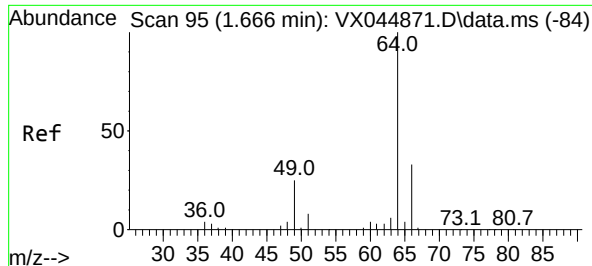
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#4
Vinyl Chloride
Concen: 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





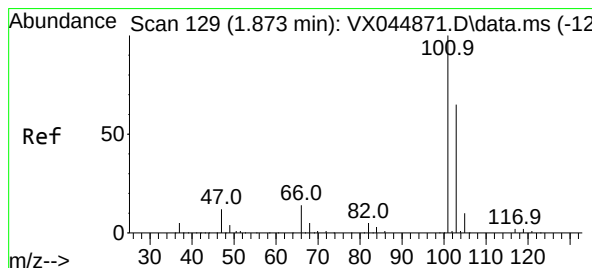
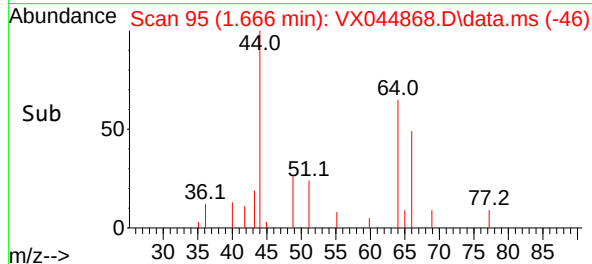
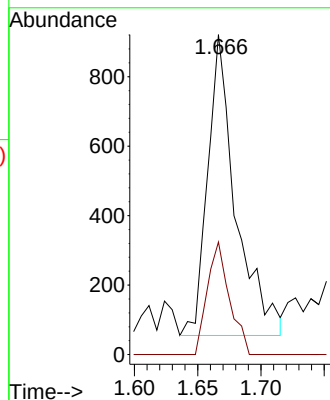
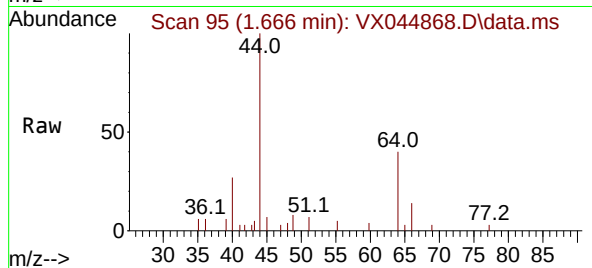
#6
Chloroethane
Concen: 2.592 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

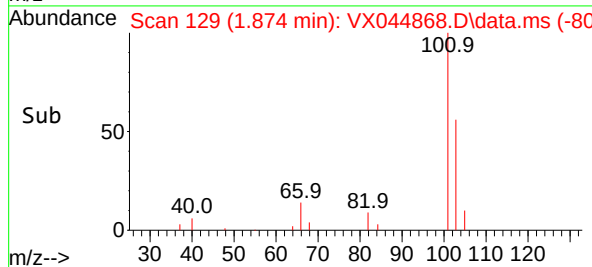
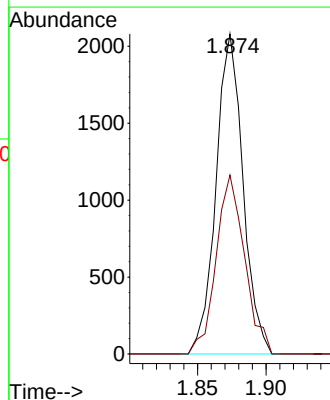
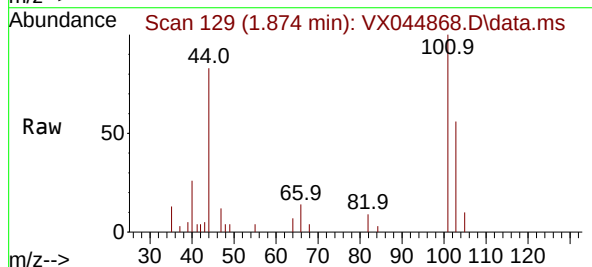
Manual Integrations
APPROVED

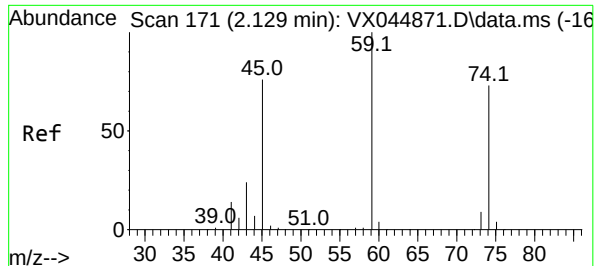
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

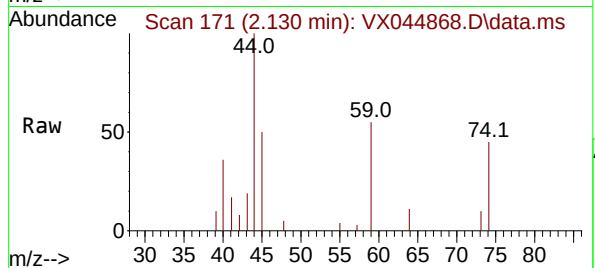
Tgt Ion:101 Resp: 2849
Ion Ratio Lower Upper
101 100
103 55.9 52.4 78.6





#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

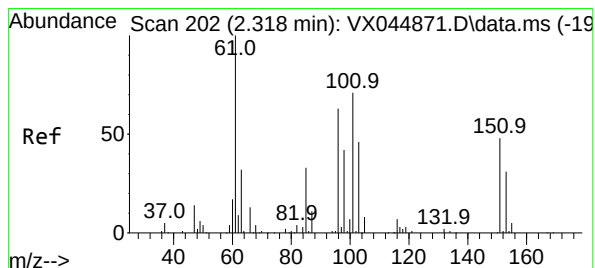
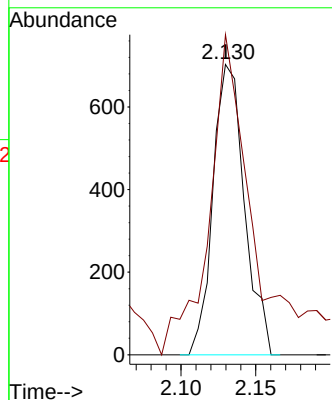
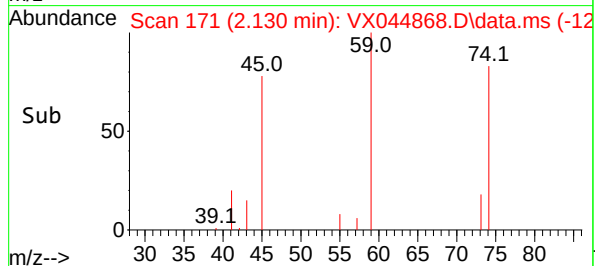
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



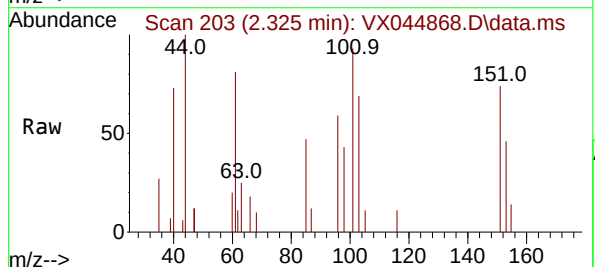
Tgt Ion: 74 Resp: 103
Ion Ratio Lower Upper
74 100
45 166.1 51.1 153.4

Manual Integrations
APPROVED

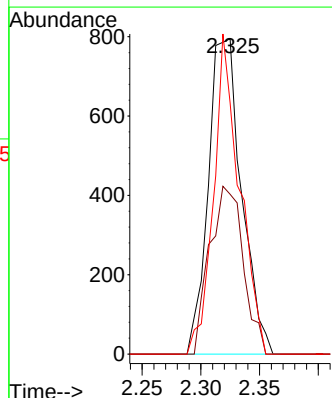
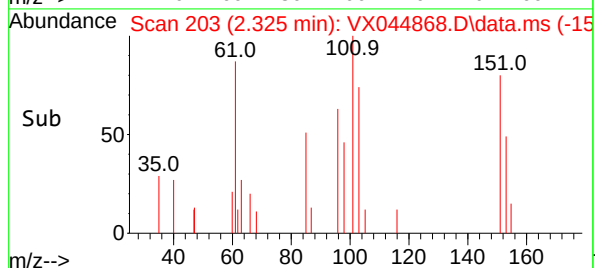
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

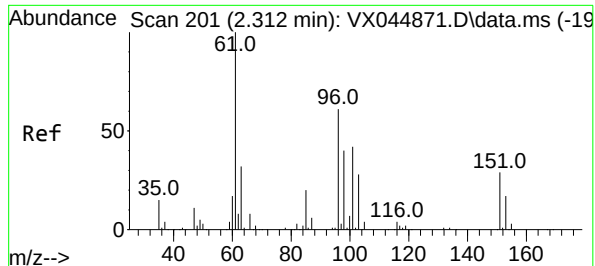


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.923 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25



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

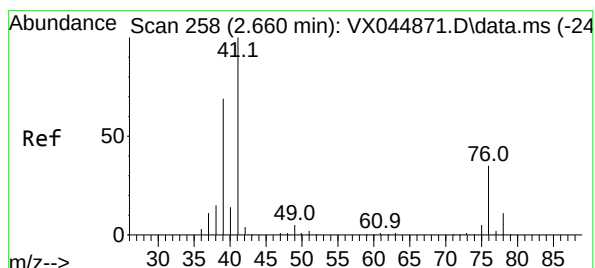
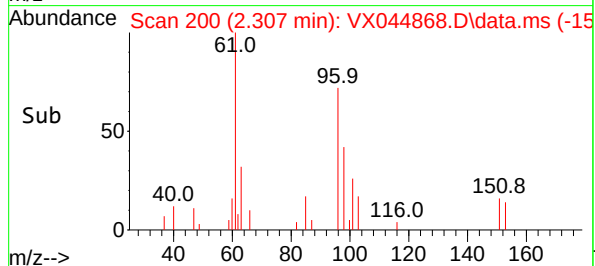
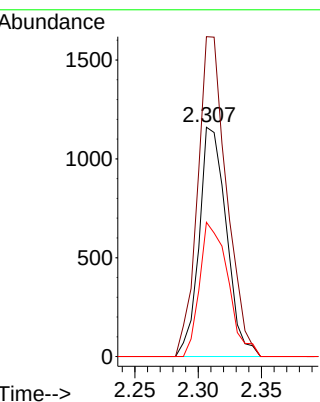
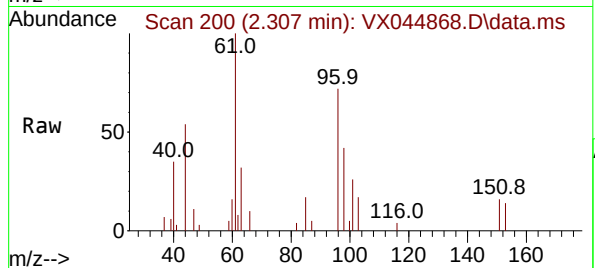
98 58.5 52.2 78.4

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

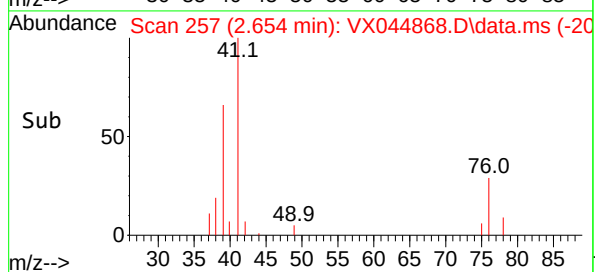
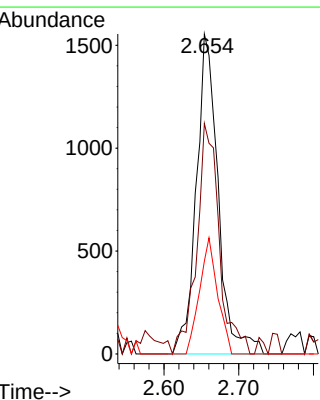
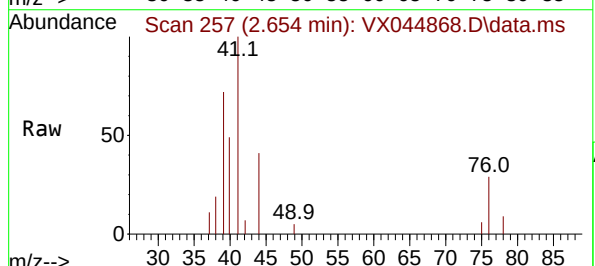
Tgt Ion: 41 Resp: 3164

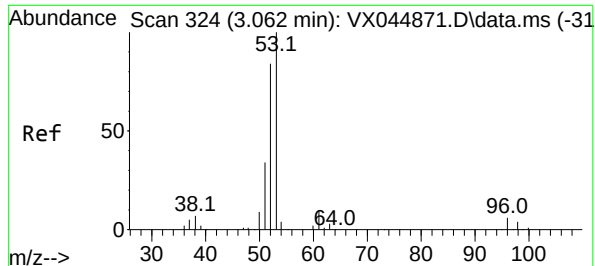
Ion Ratio Lower Upper

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 :

VSTDIC001

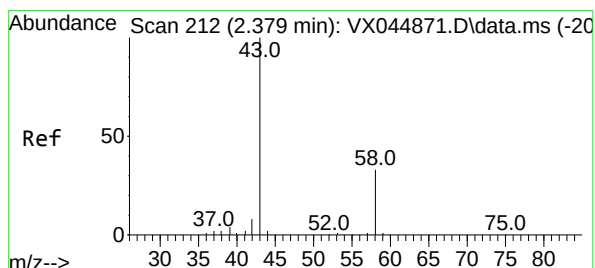
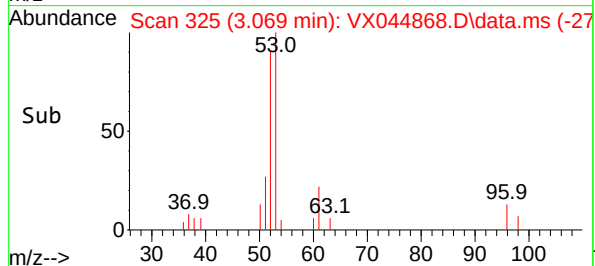
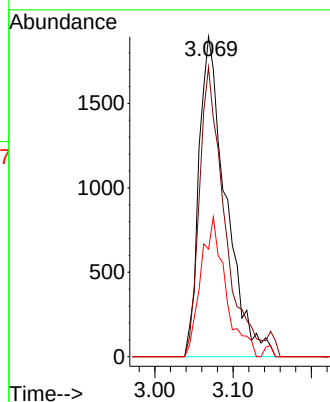
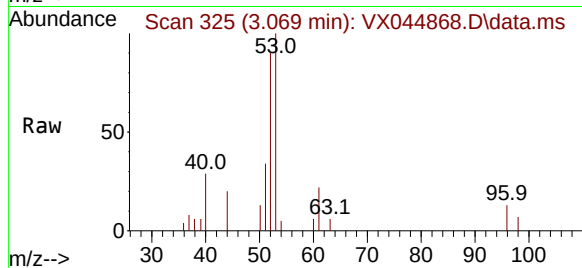
Tgt Ion: 53	Resp: 452
Ion Ratio	Lower Upper
53	100
52	84.7 65.0 97.6
51	40.0 28.0 42.0

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

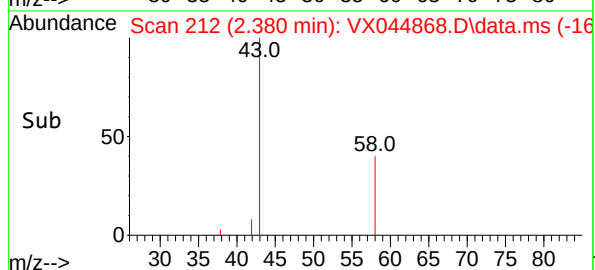
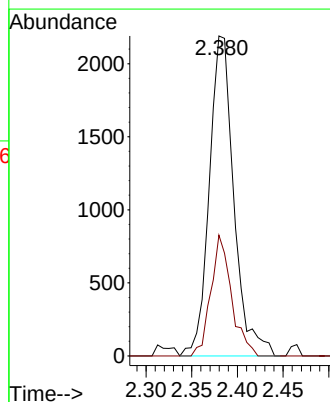
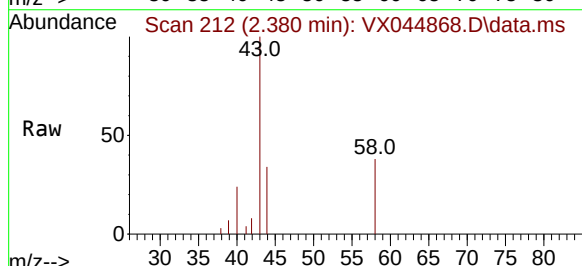
RT: 2.380 min Scan# 212

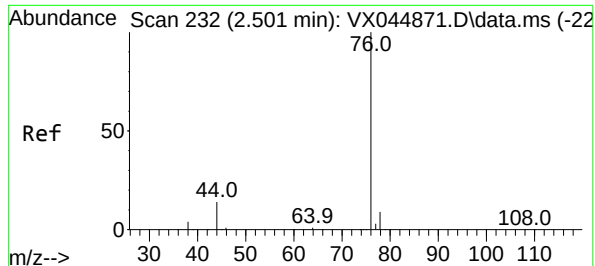
Delta R.T. 0.000 min

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 :

VSTDIC001

Tgt Ion: 76 Resp: 453

Ion Ratio Lower Upper

76 100

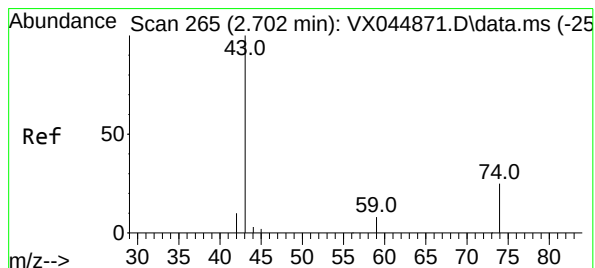
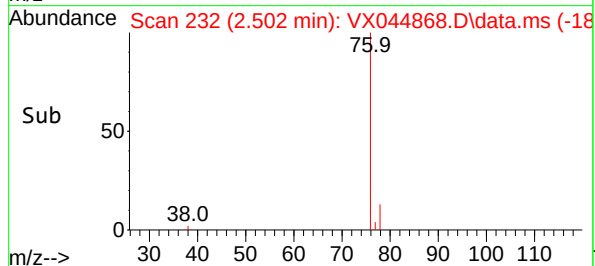
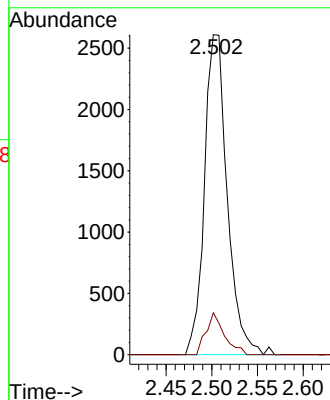
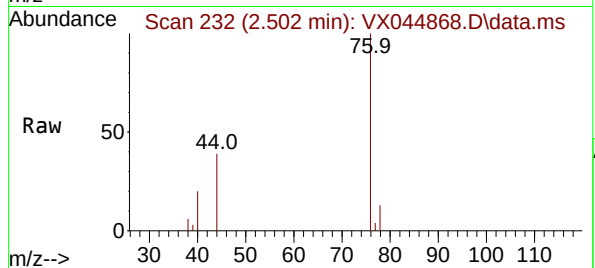
78 13.1 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#18

Methyl Acetate

Concen: 0.950 ug/l

RT: 2.697 min Scan# 264

Delta R.T. -0.006 min

Lab File: VX044868.D

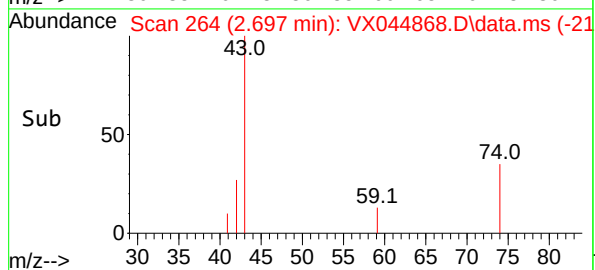
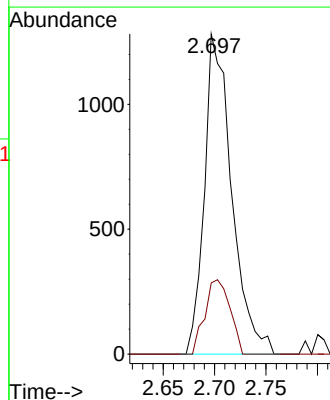
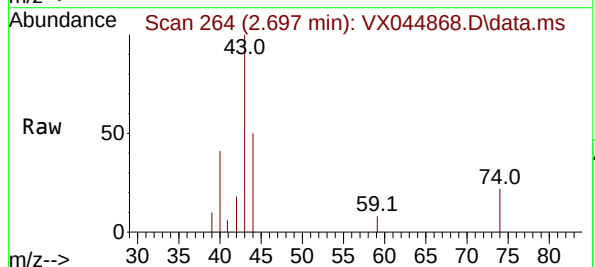
Acq: 10 Feb 2025 10:25

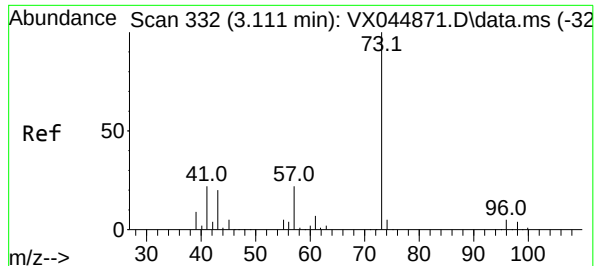
Tgt Ion: 43 Resp: 2367

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: 5200

Ion Ratio Lower Upper

73 100

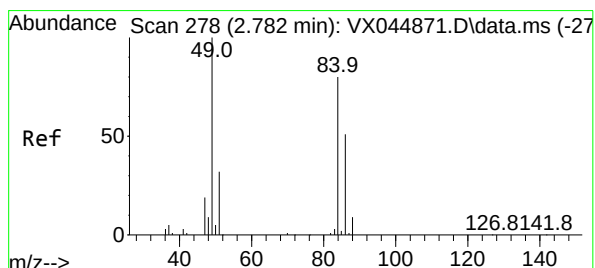
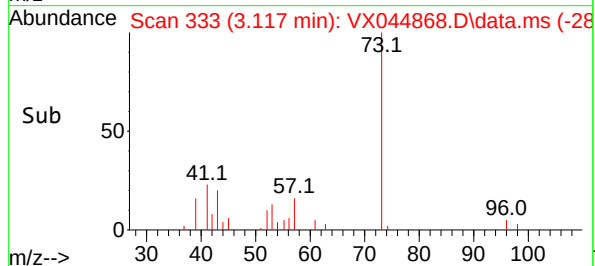
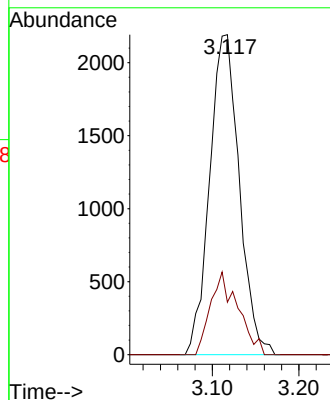
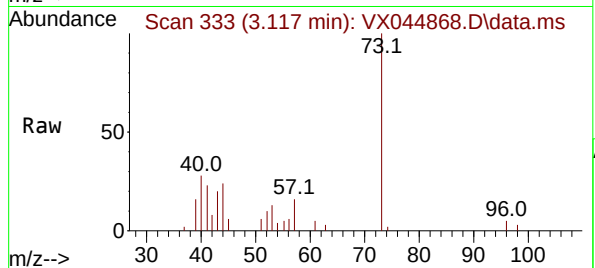
57 16.4 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#20

Methylene Chloride

Concen: 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

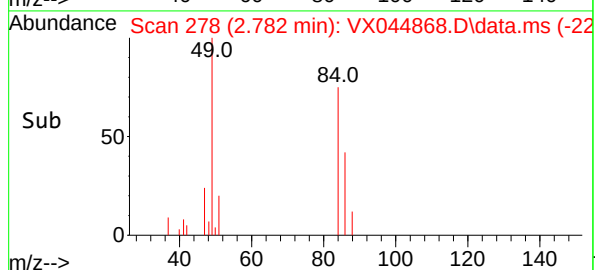
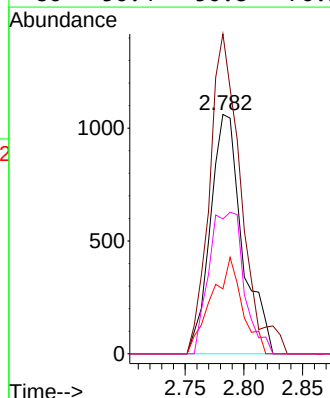
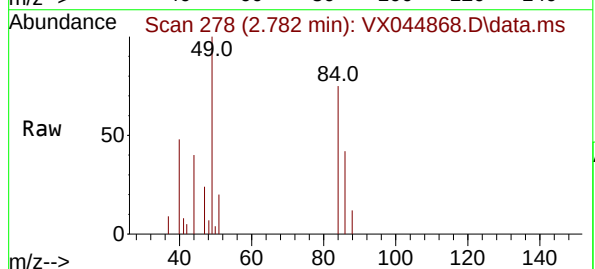
Ion Ratio Lower Upper

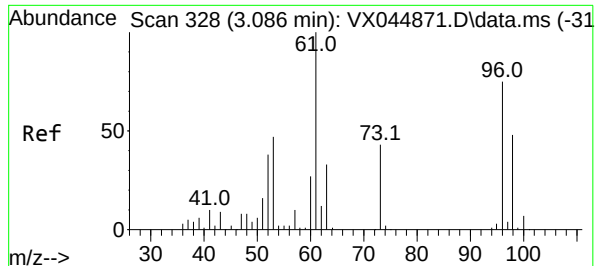
84 100

49 133.6 100.1 150.1

51 27.1 31.7 47.5

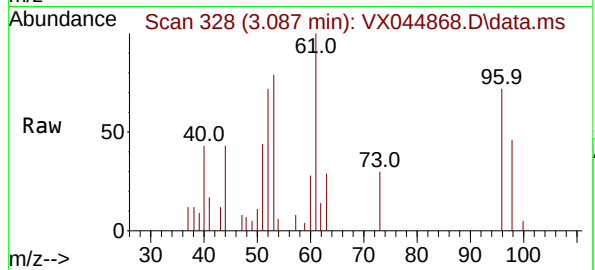
86 56.4 50.8 76.2





#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

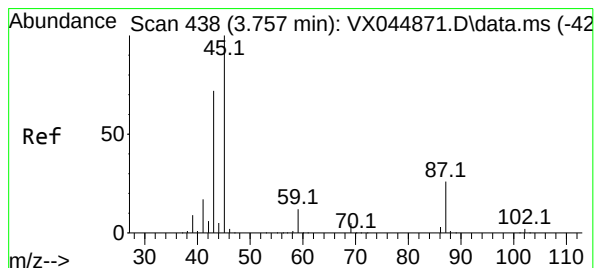
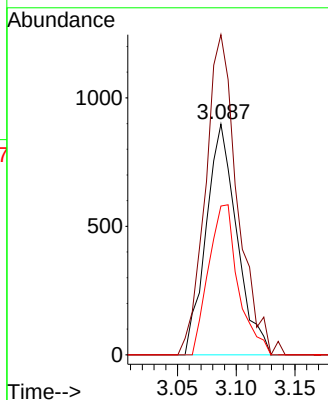
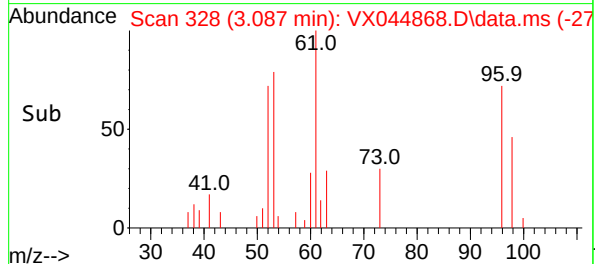
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 96 Resp: 163
Ion Ratio Lower Upper
96 100
61 138.8 106.0 159.0
98 64.5 50.6 76.0

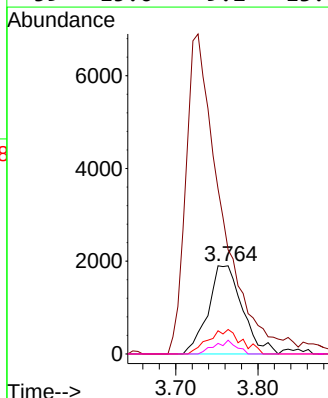
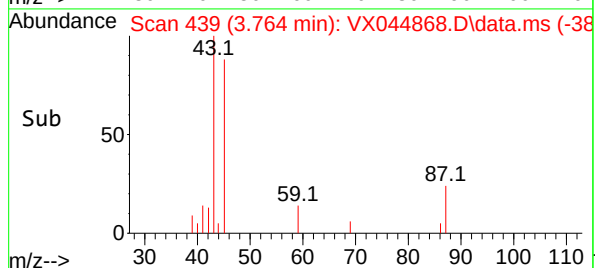
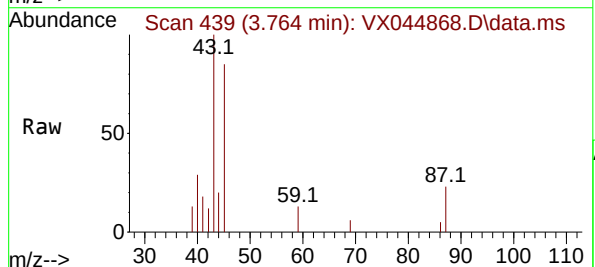
Manual Integrations
APPROVED

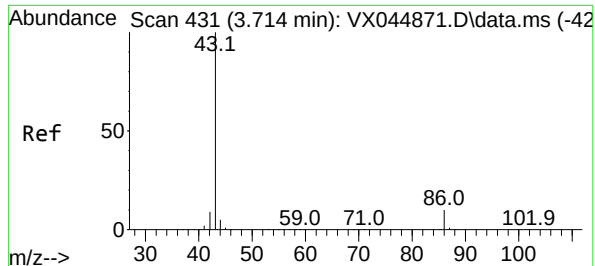
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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#





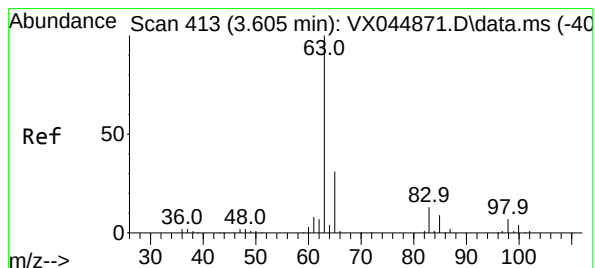
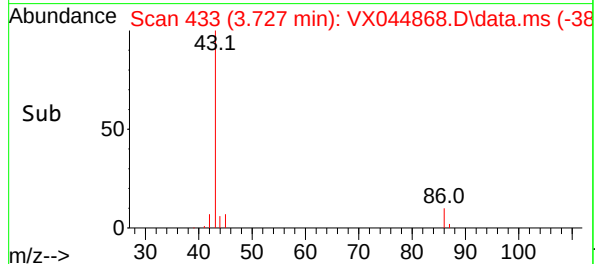
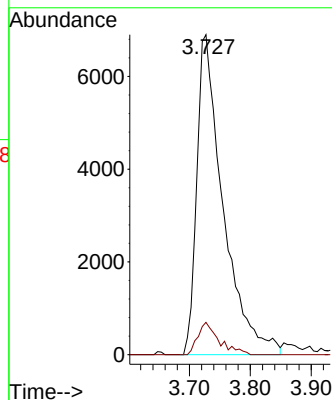
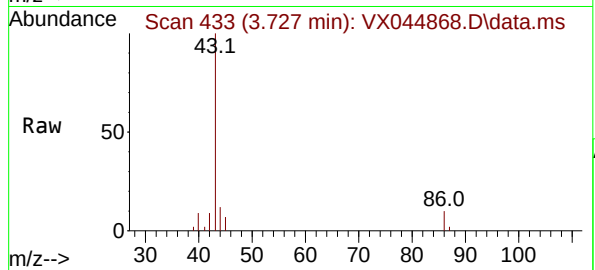
#23
Vinyl Acetate
Concen: 4.288 ug/l
RT: 3.727 min Scan# 413
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

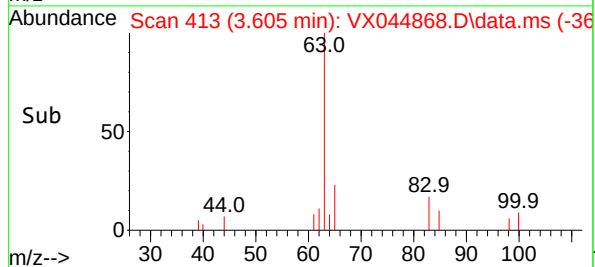
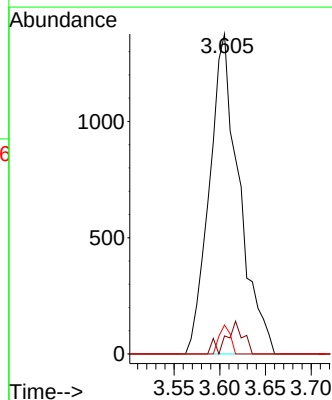
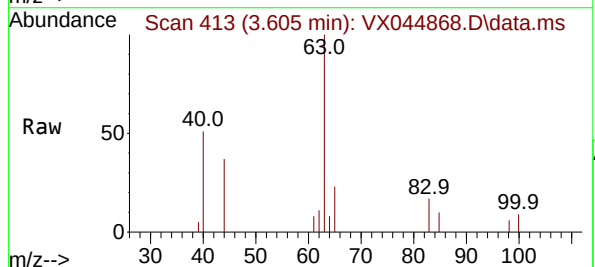
Manual Integrations
APPROVED

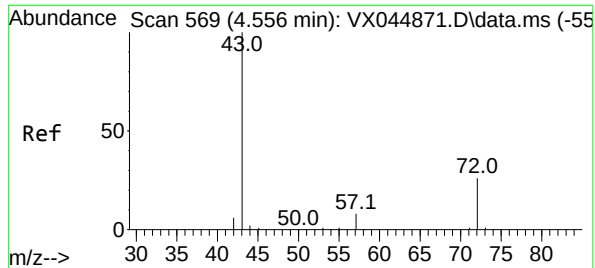
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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#





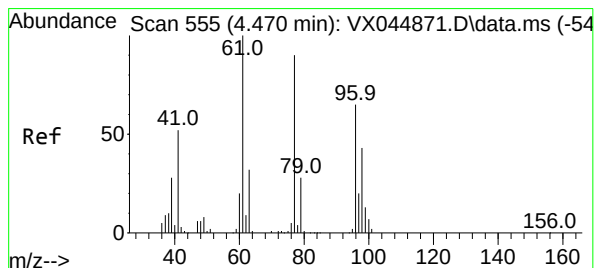
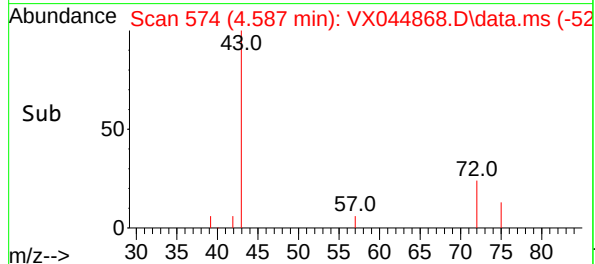
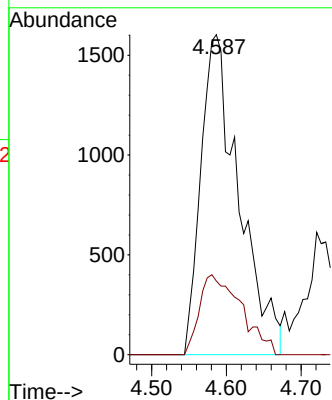
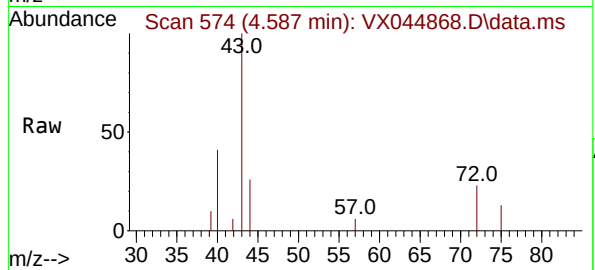
#25
2-Butanone
Concen: 4.416 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 566
Ion Ratio Lower Upper
43 100
72 23.0 21.2 31.8

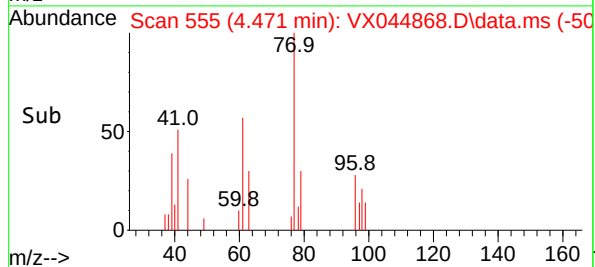
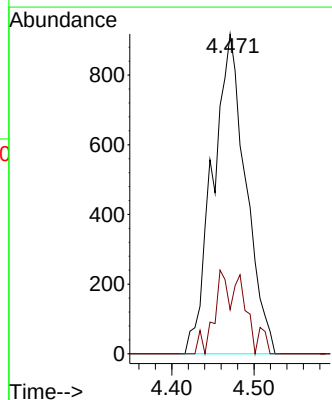
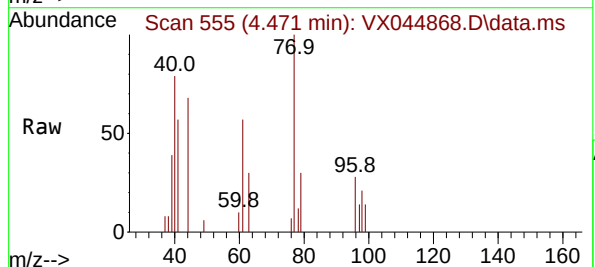
Manual Integrations
APPROVED

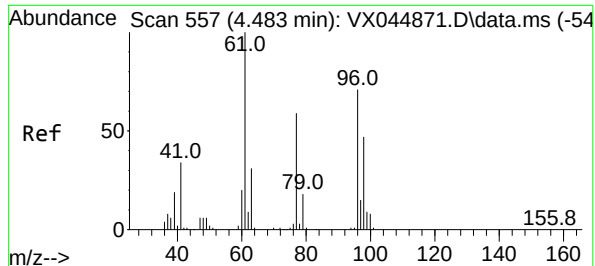
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

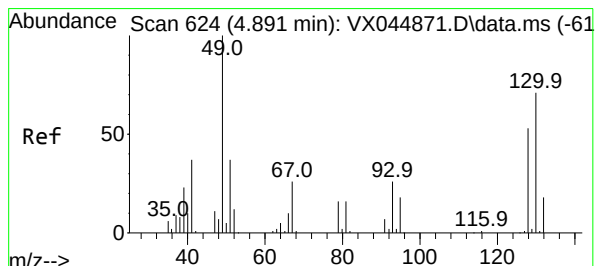
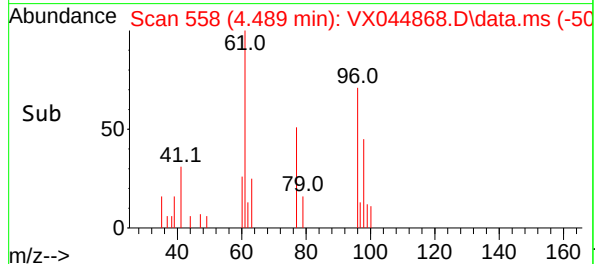
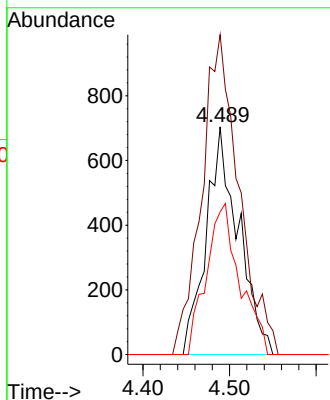
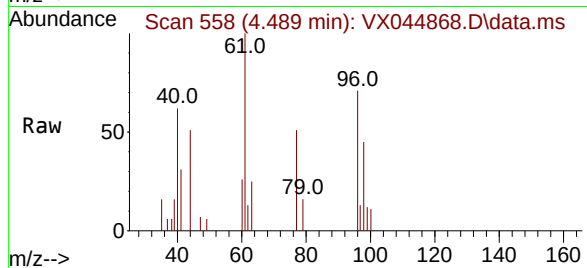
Tgt Ion:	96	Resp:	182
Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	294.0
98	68.9	0.0	131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#28

Bromochloromethane

Concen: 1.071 ug/l

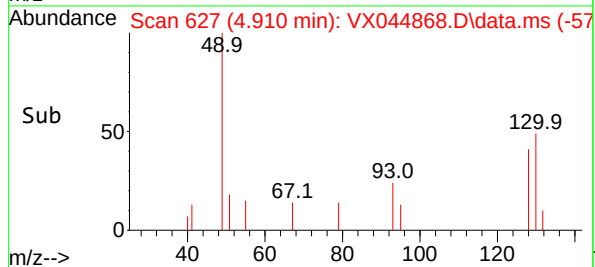
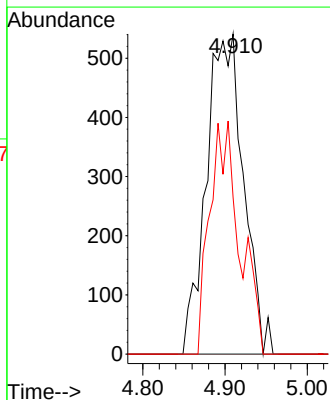
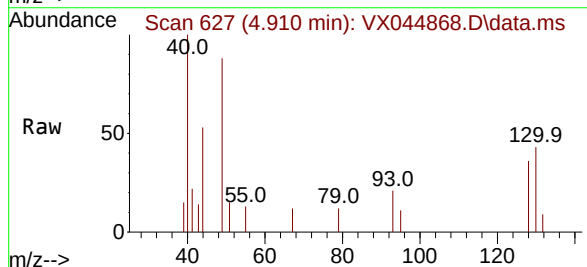
RT: 4.910 min Scan# 627

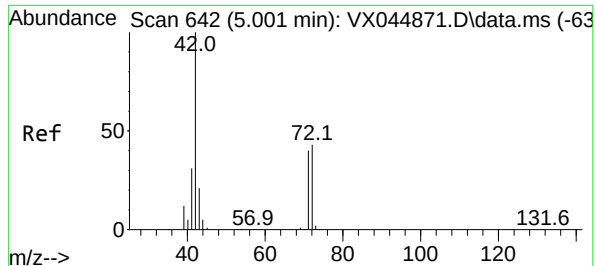
Delta R.T. 0.019 min

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 :

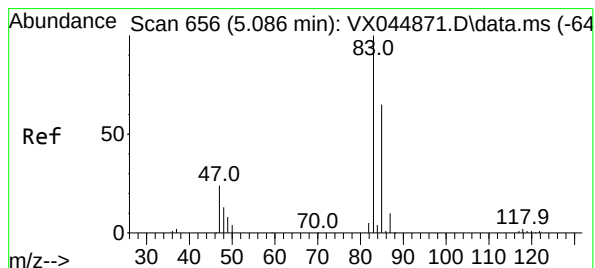
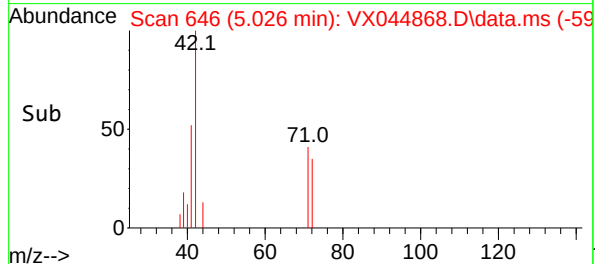
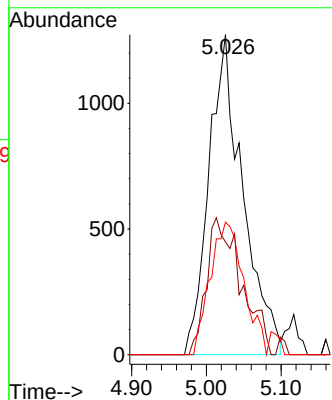
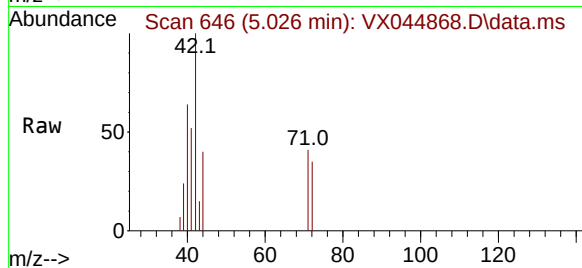
VSTDIC001

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

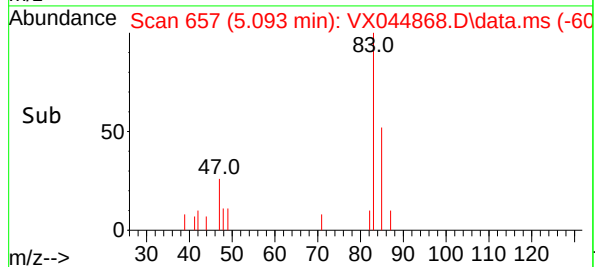
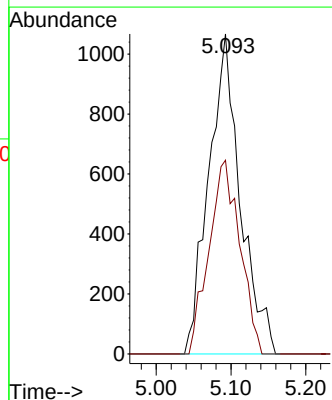
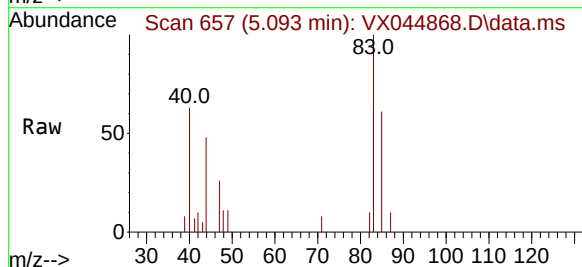
RT: 5.093 min Scan# 657

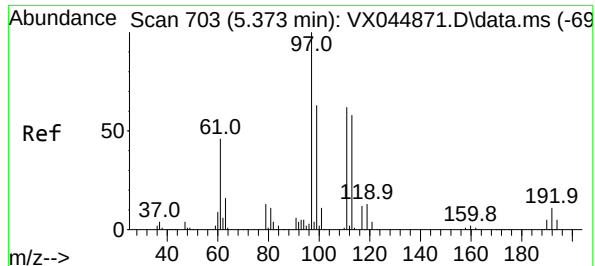
Delta R.T. 0.006 min

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 :

VSTDICC001

Tgt Ion: 97 Resp: 272

Ion Ratio Lower Upper

97 100

99 0.0 51.0 76.6

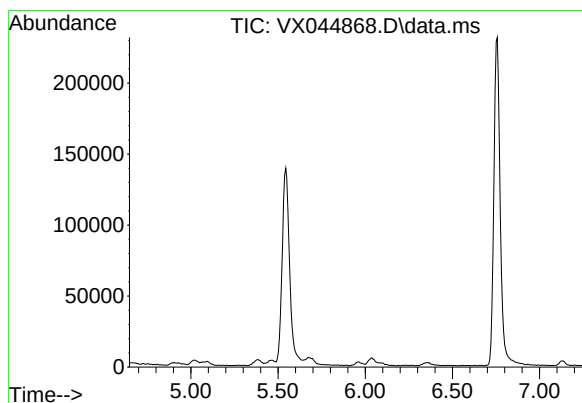
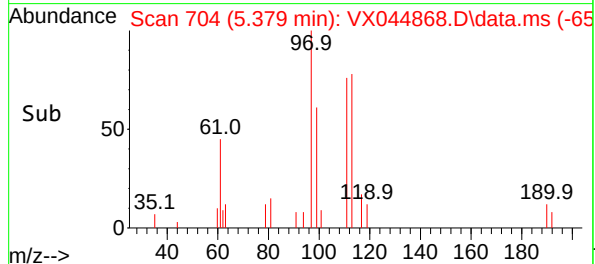
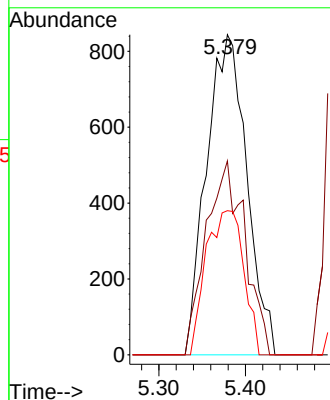
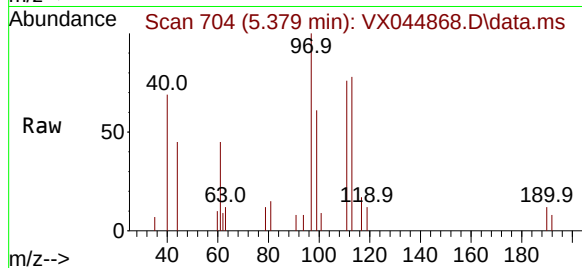
61 42.2 36.6 55.0

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

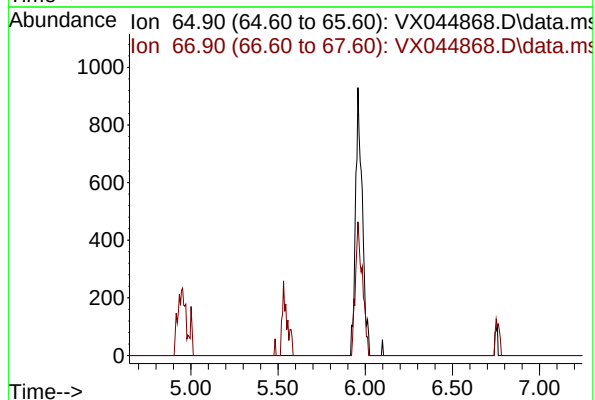
Acq: 10 Feb 2025 10:25

Tgt Ion: 65

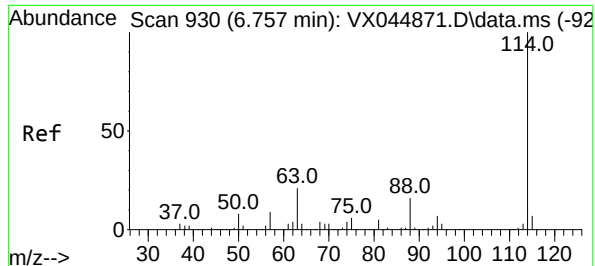
Sig Exp Ratio

65 100

67 54.1



Ion 66.90 (66.60 to 67.60): VX044868.D\data.ms



#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 :

VSTDICC001

Tgt Ion:114 Resp: 254149

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

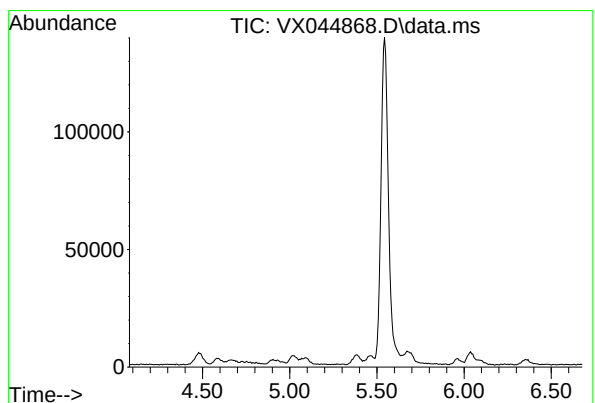
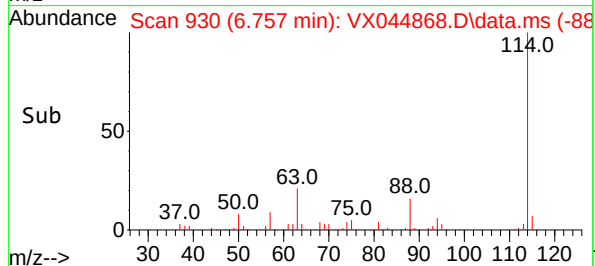
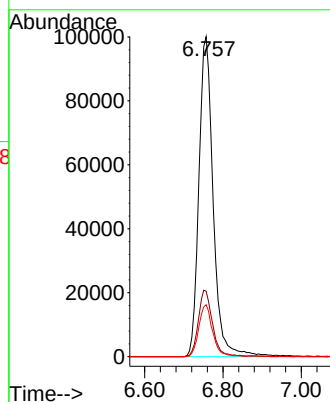
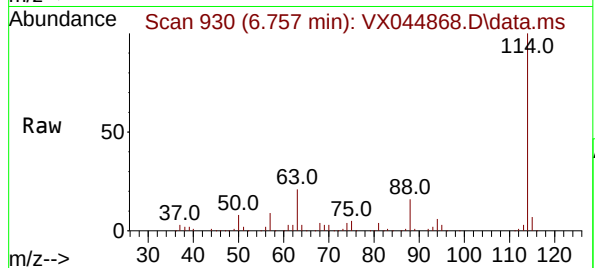
88 16.3 0.0 31.4

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

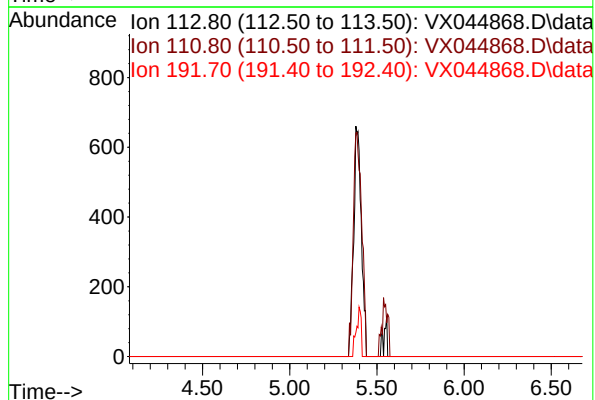
Tgt Ion: 113

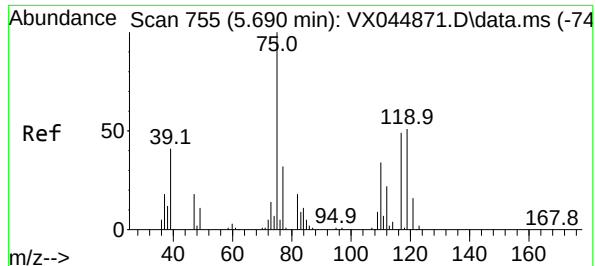
Sig Exp Ratio

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

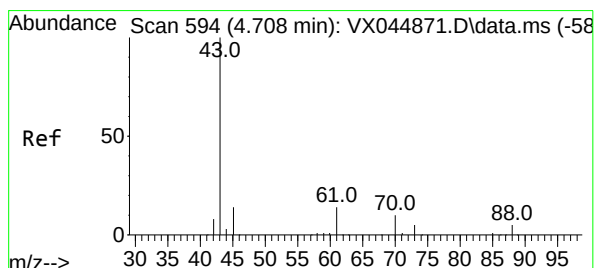
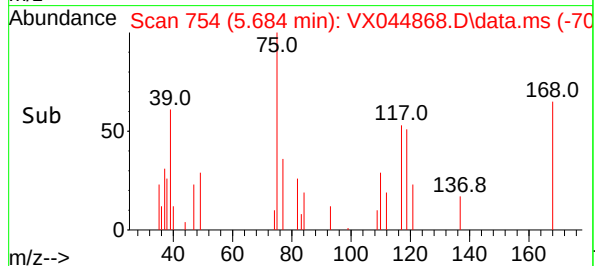
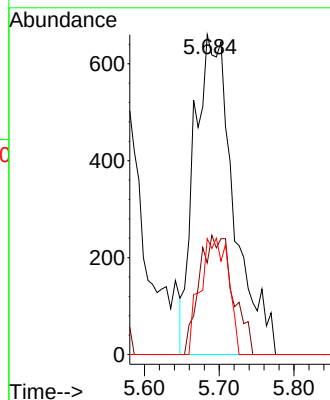
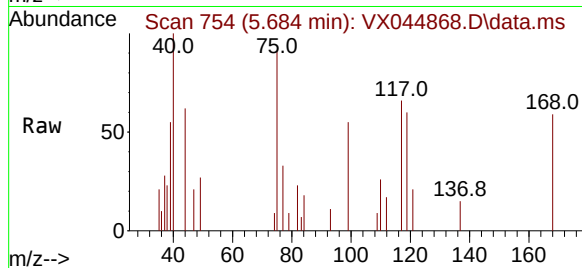
77 26.3 24.6 37.0

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

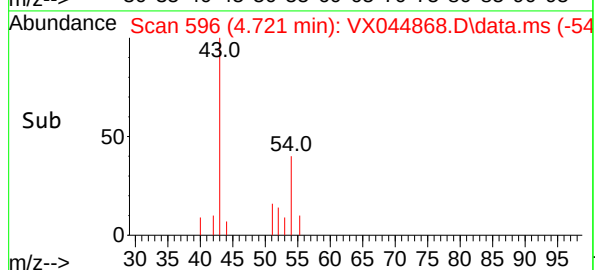
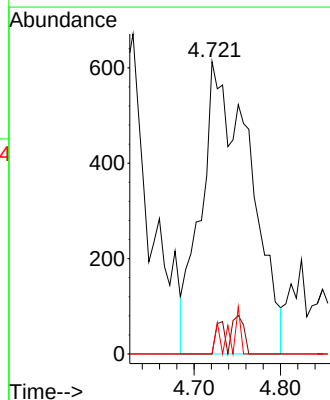
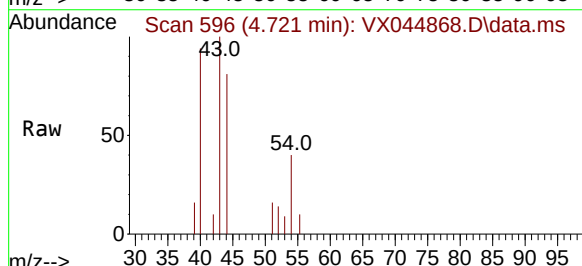
Tgt Ion: 43 Resp: 2426

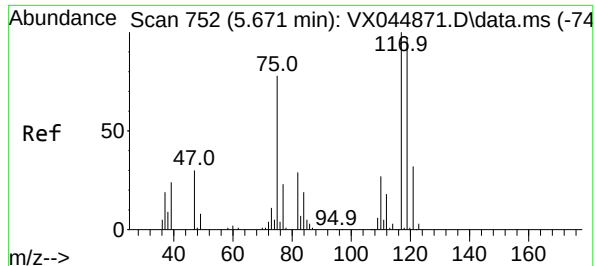
Ion Ratio Lower Upper

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 :

VSTDIC001

Tgt Ion:117 Resp: 232

Ion Ratio Lower Upper

117 100

119 67.5 77.5 116.3

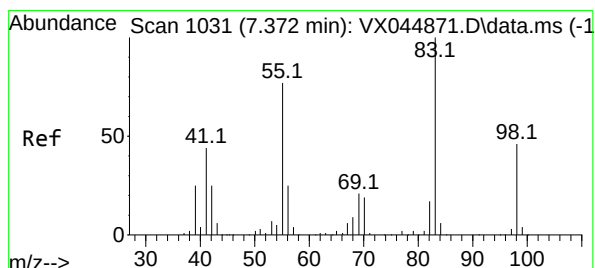
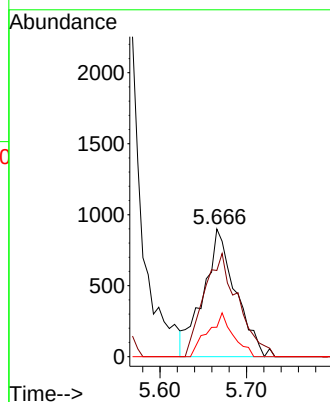
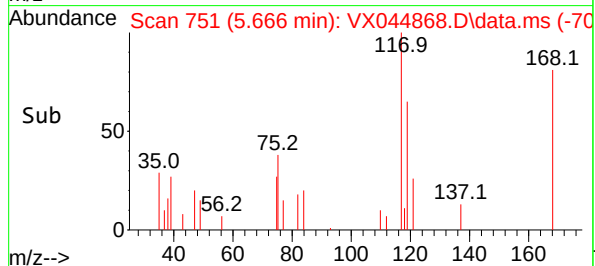
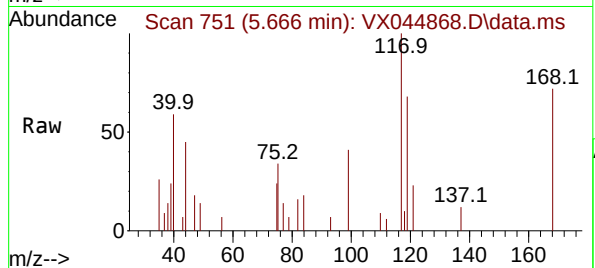
121 23.0 25.6 38.4

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

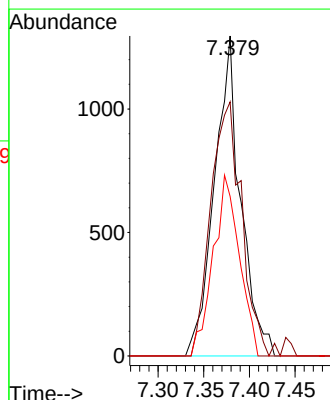
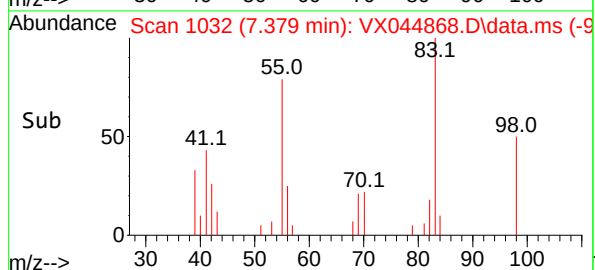
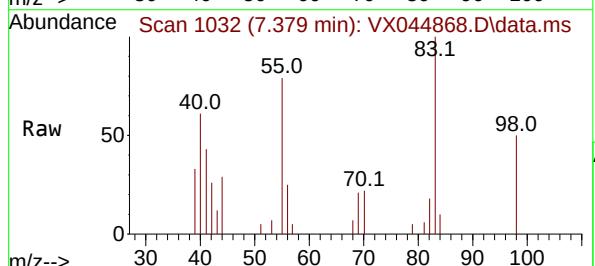
Tgt Ion: 83 Resp: 2589

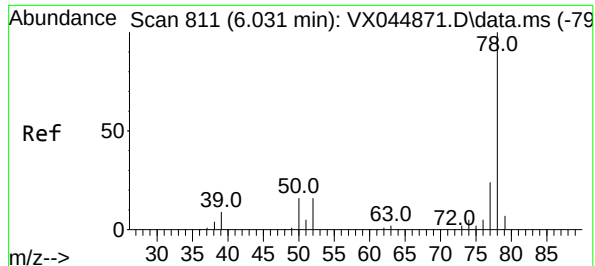
Ion Ratio Lower Upper

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

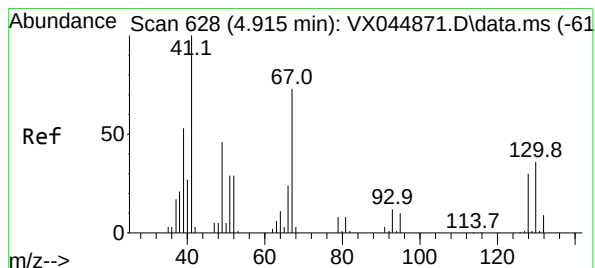
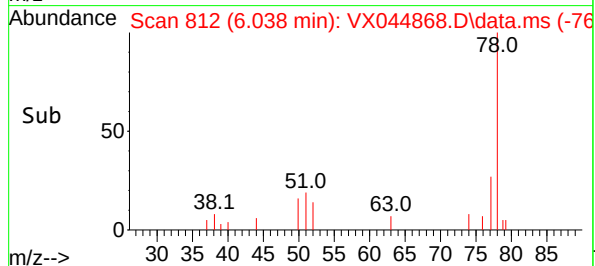
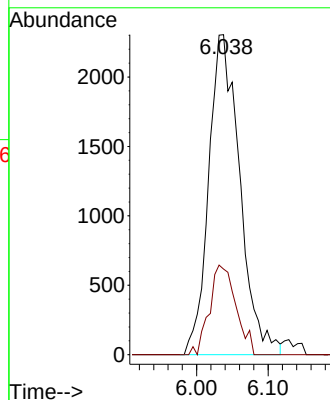
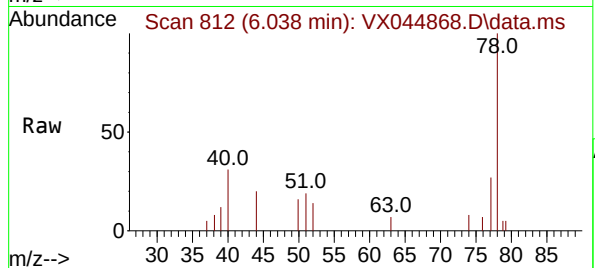
77 26.8 19.0 28.6

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

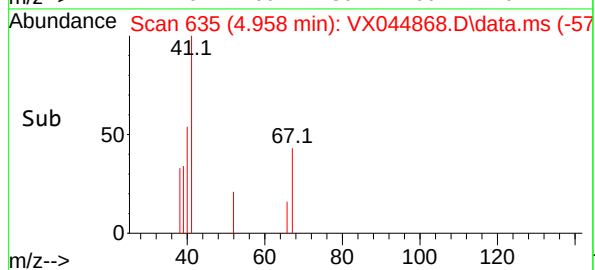
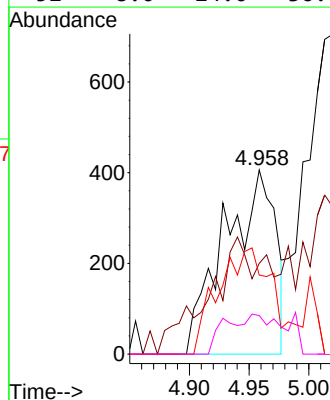
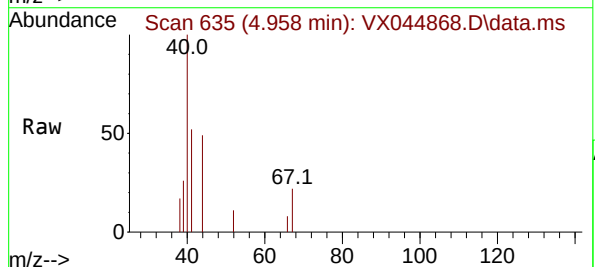
Ion Ratio Lower Upper

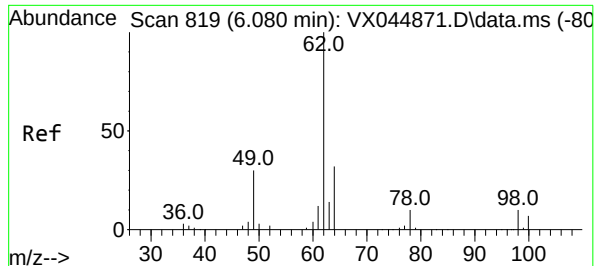
41 100

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

Tgt Ion: 62 Resp: 2120

Ion Ratio Lower Upper

62 100

98 3.7 0.0 19.4

Instrument :

MSVOA_X

ClientSampleId :

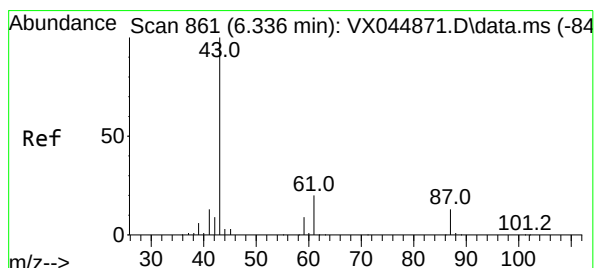
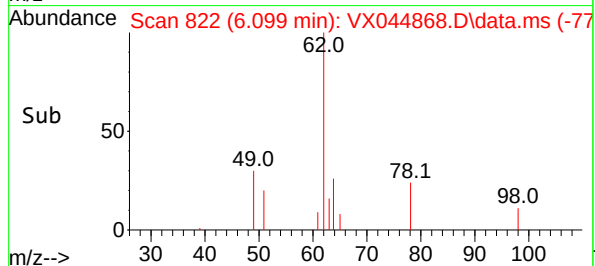
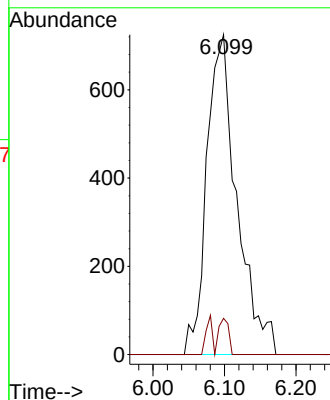
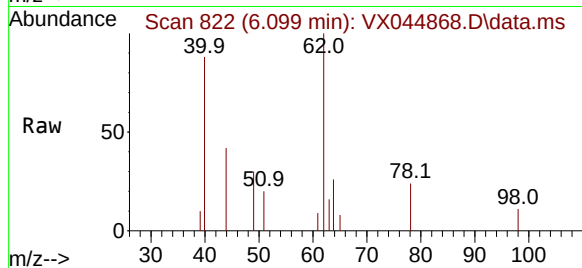
VSTDIC001

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

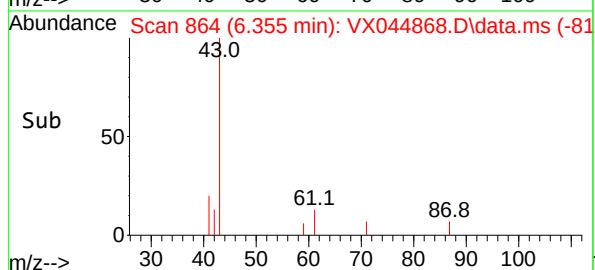
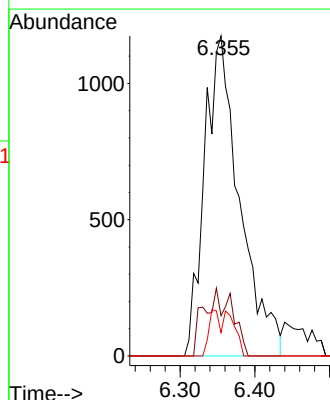
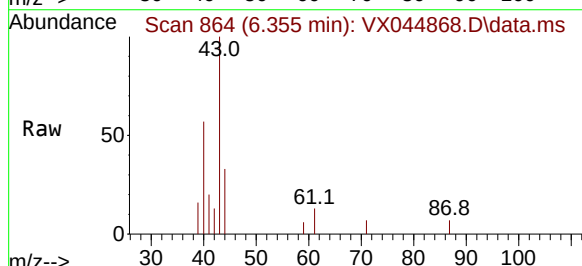
Tgt Ion: 43 Resp: 3839

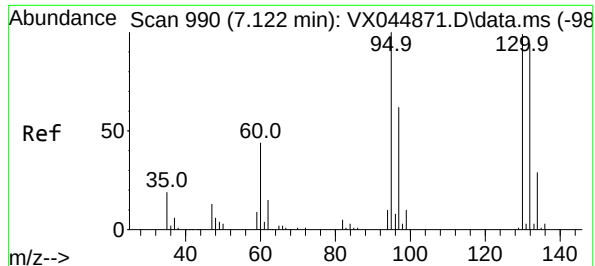
Ion Ratio Lower Upper

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

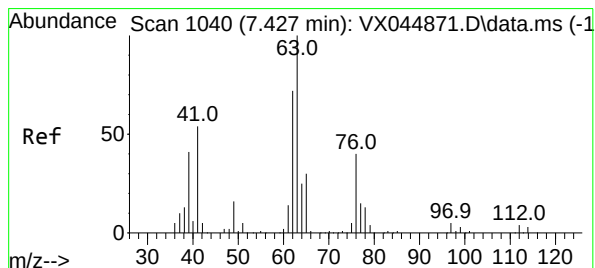
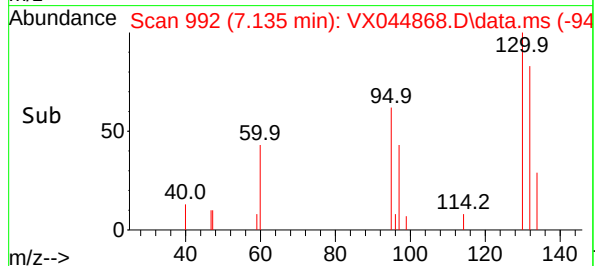
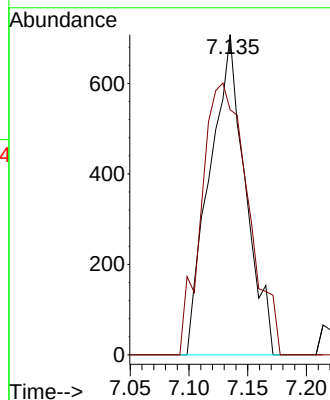
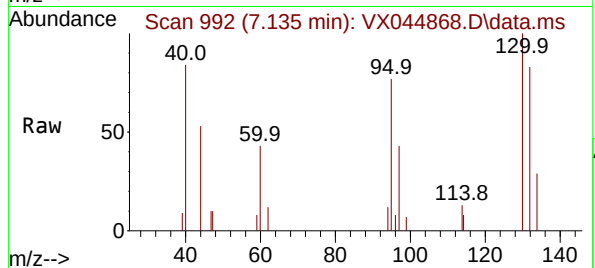
95 76.6 0.0 202.4

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

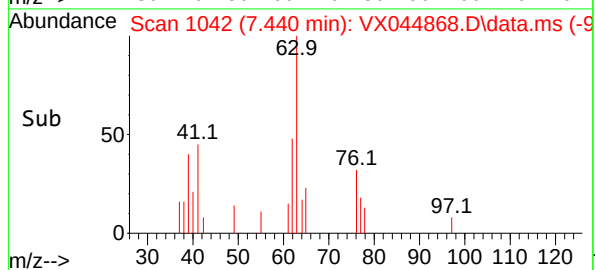
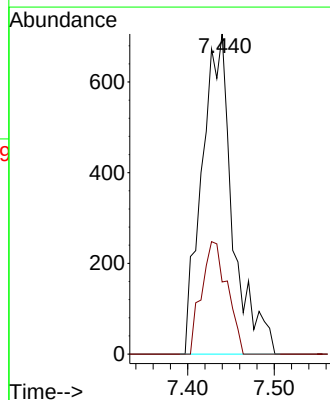
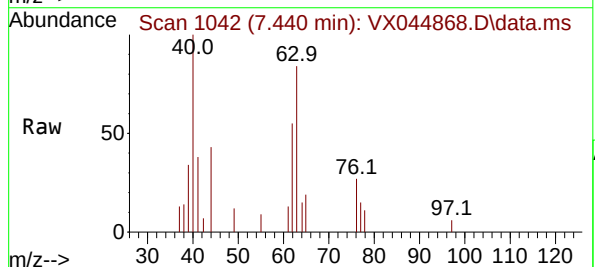
Acq: 10 Feb 2025 10:25

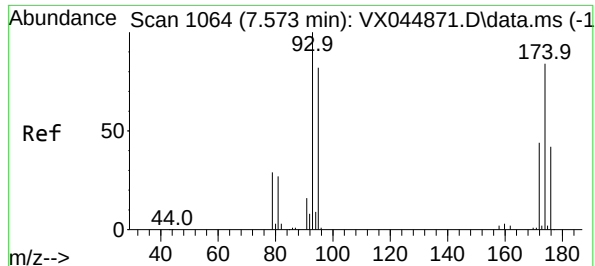
Tgt Ion: 63 Resp: 1746

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

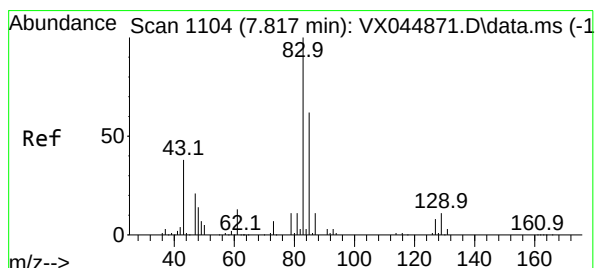
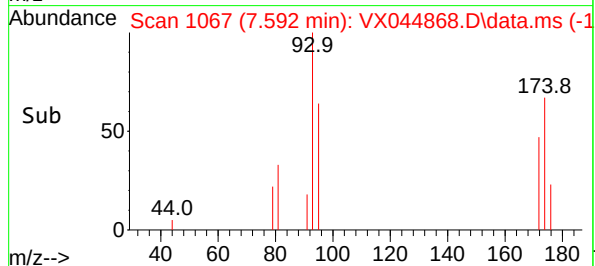
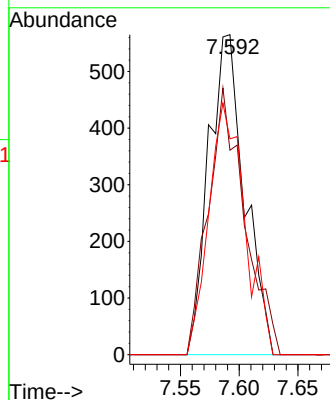
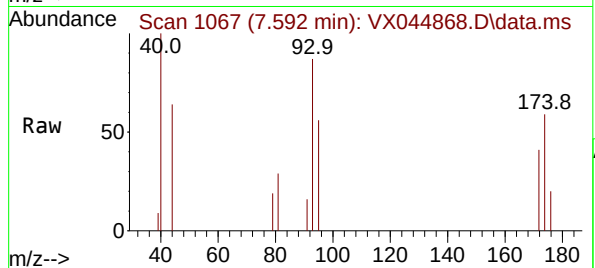
174 79.3 69.9 104.9

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

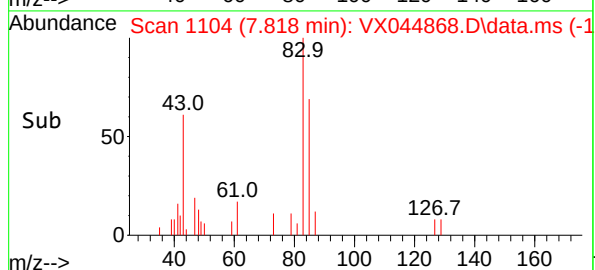
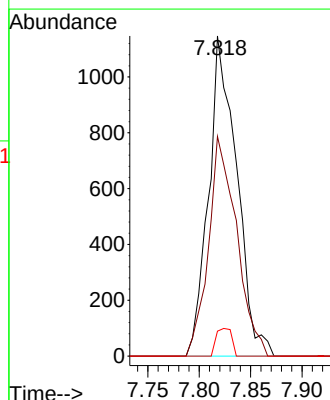
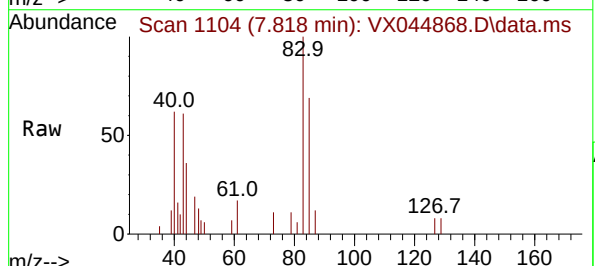
Tgt Ion: 83 Resp: 2176

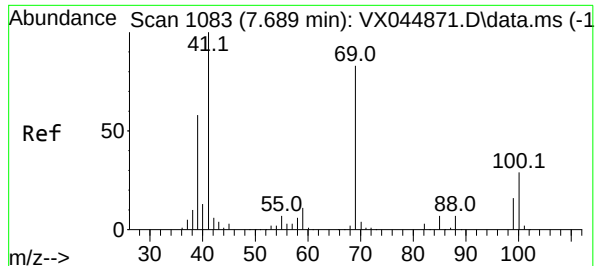
Ion Ratio Lower Upper

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

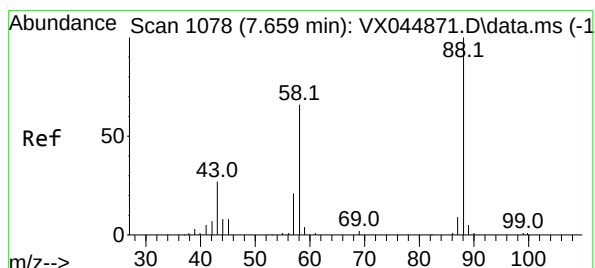
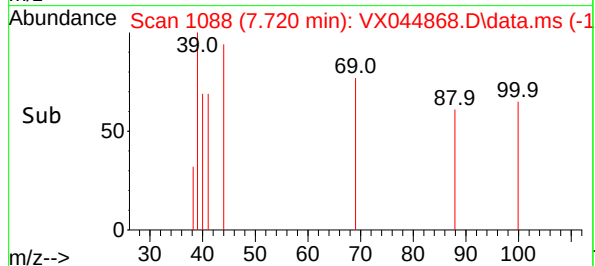
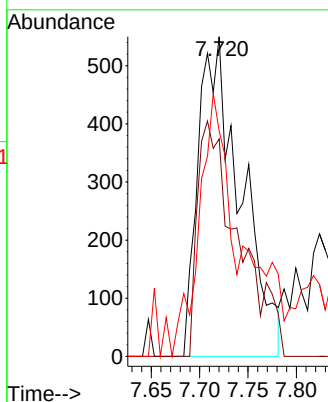
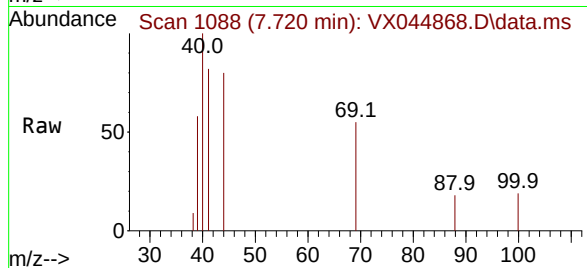
Tgt Ion: 41	Resp: 167
Ion Ratio	Lower Upper
41 100	
69 71.8	65.8 98.8
39 55.9	46.4 69.6

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

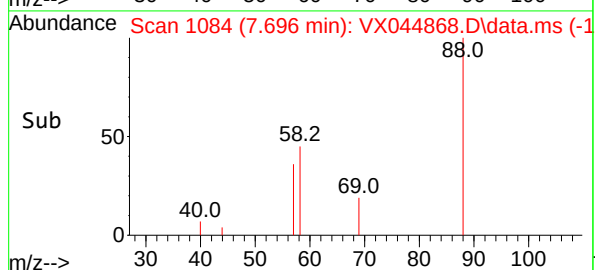
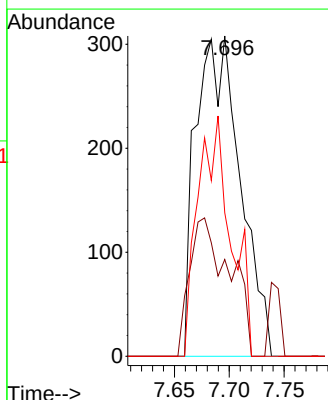
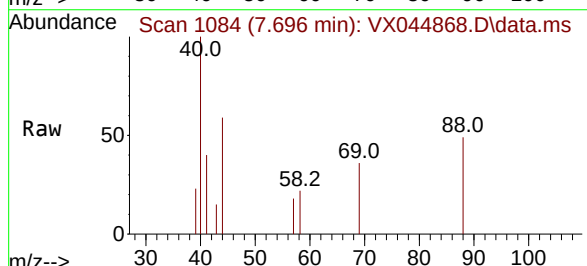
RT: 7.696 min Scan# 1084

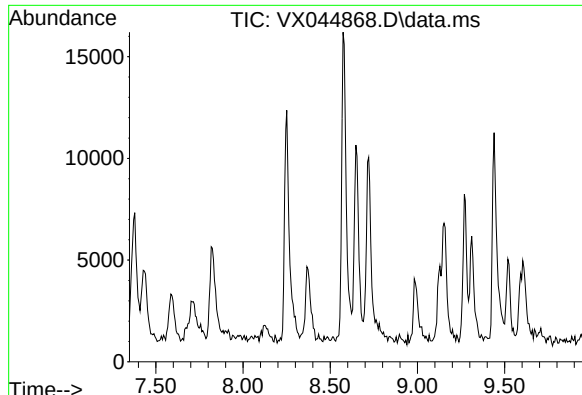
Delta R.T. 0.037 min

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

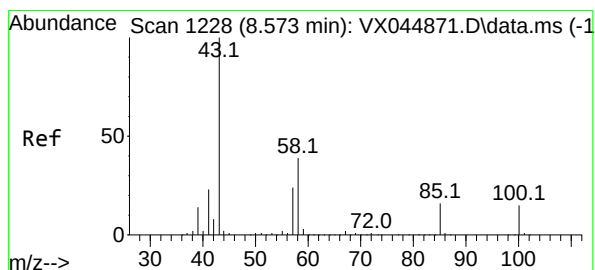
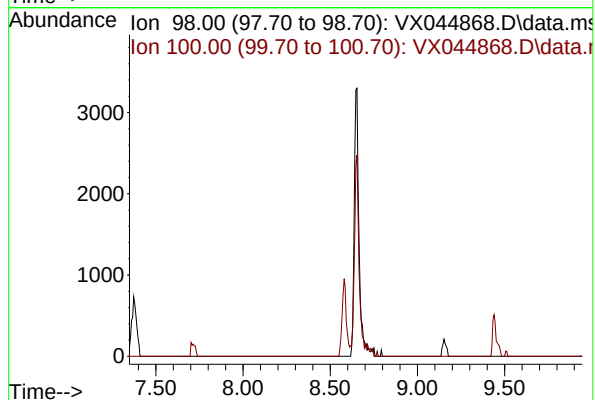
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 98
Sig Exp Ratio
98 100
100 65.9

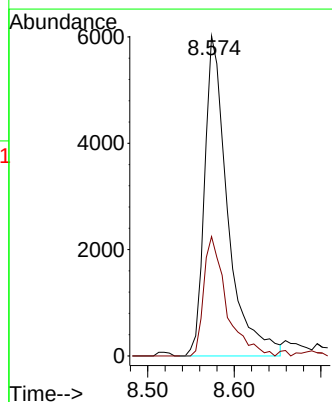
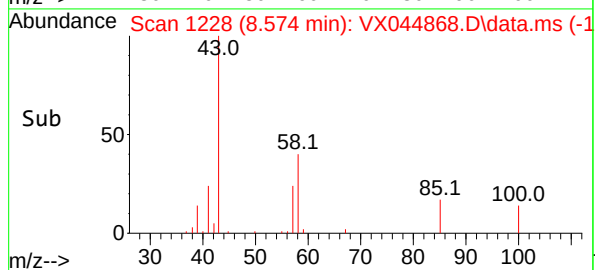
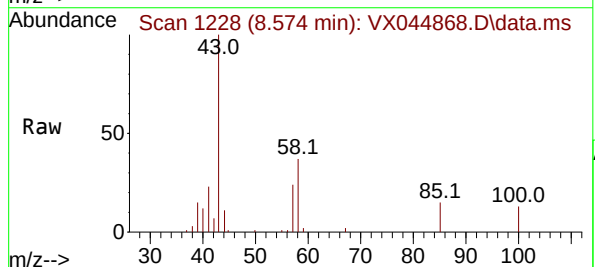
Manual Integrations
APPROVED

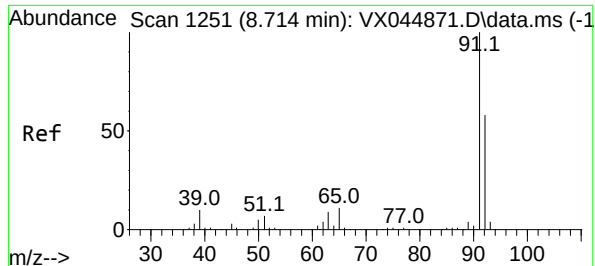
Reviewed By : John Carlone 02/11/2025
Supervised By : Mahesh Dadoda 02/11/2025



#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

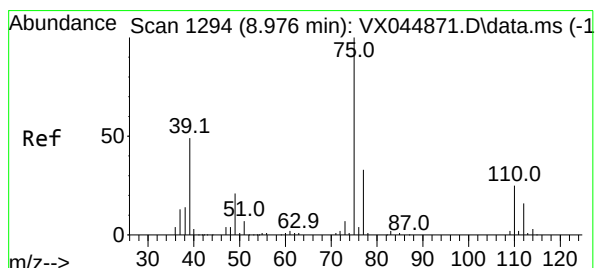
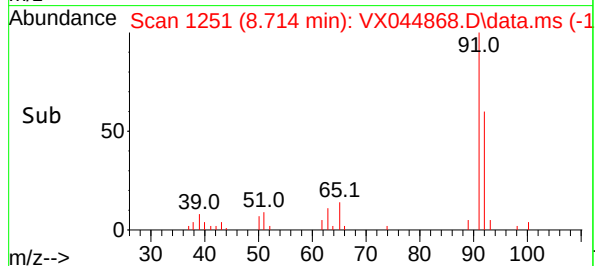
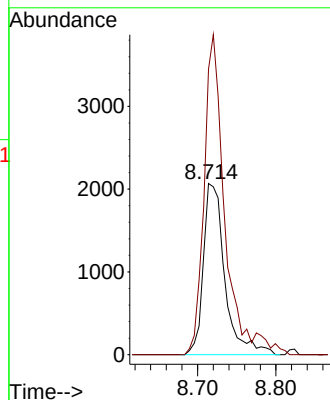
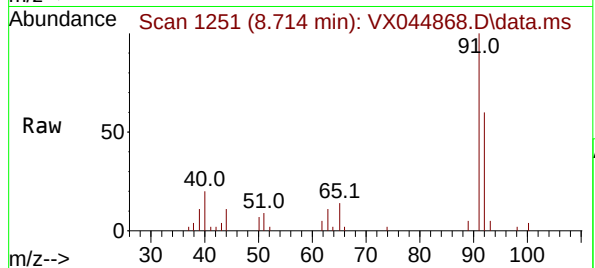
91 171.6 137.4 206.2

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

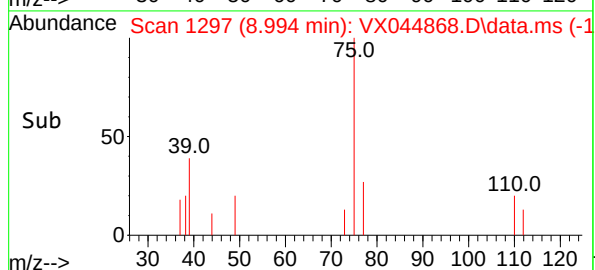
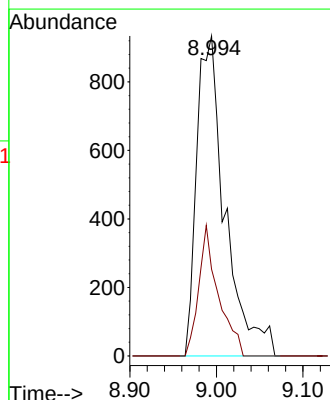
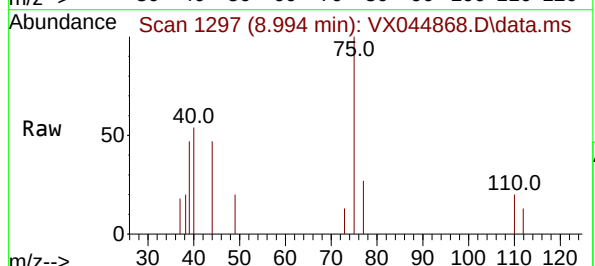
Acq: 10 Feb 2025 10:25

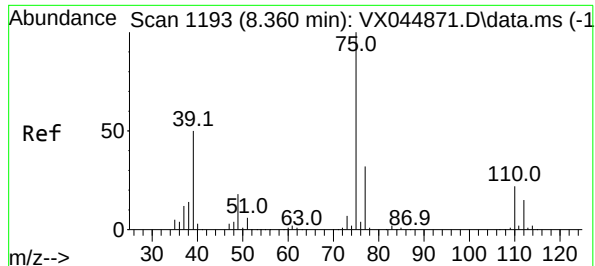
Tgt Ion: 75 Resp: 2119

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

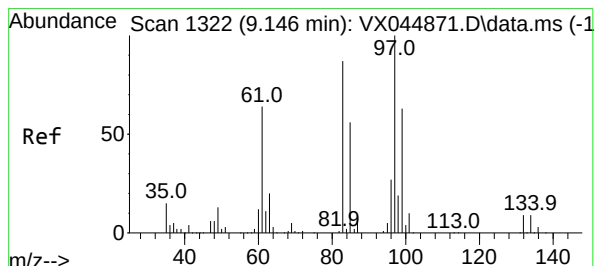
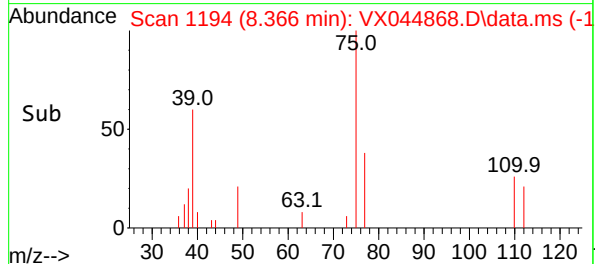
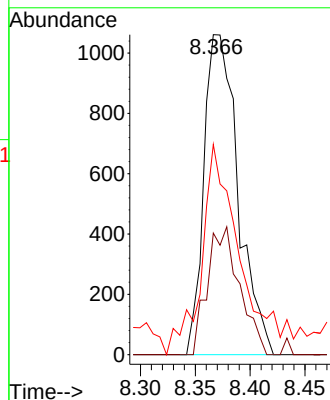
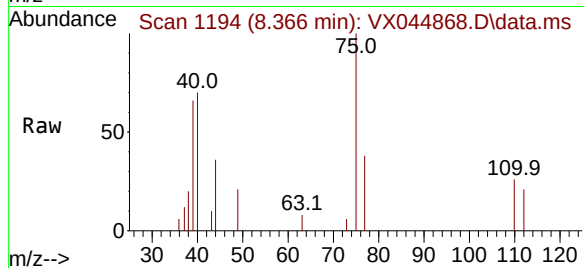
Tgt Ion:	75	Resp:	2300
Ion	Ratio	Lower	Upper
75	100		
77	38.0	25.3	37.9
39	60.3	40.0	60.0

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

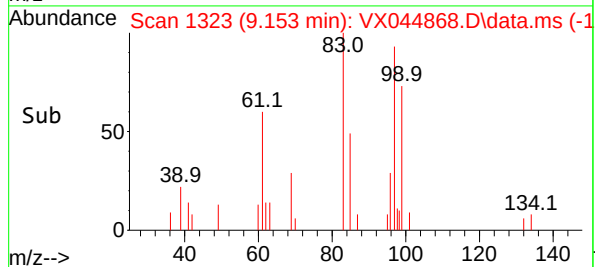
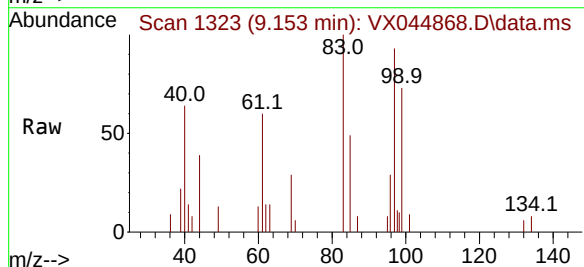
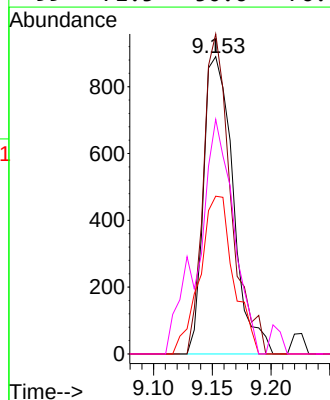
RT: 9.153 min Scan# 1323

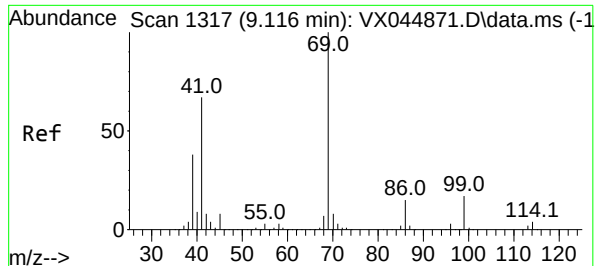
Delta R.T. 0.006 min

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# 1317

Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

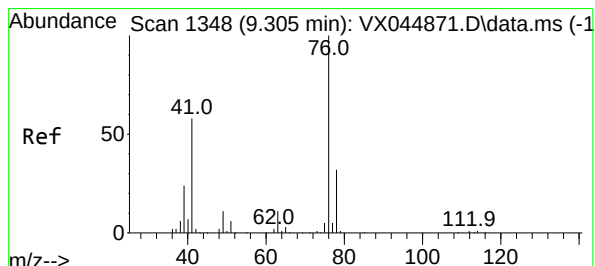
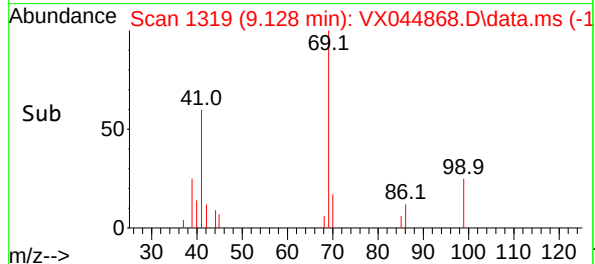
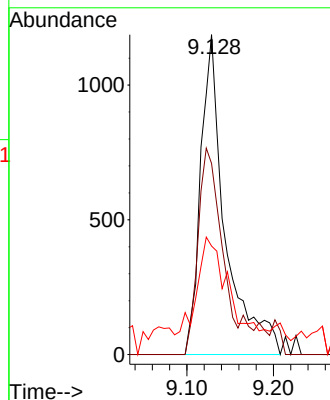
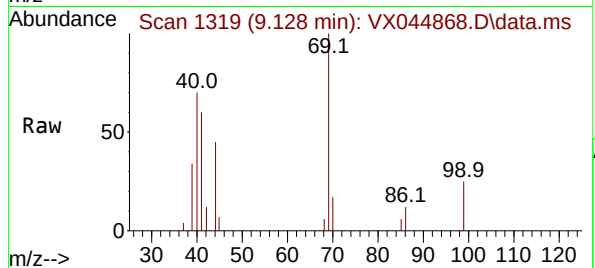
Tgt Ion: 69 Resp: 2340
Ion Ratio Lower Upper
69 100
41 61.6 55.2 82.8
39 56.2 30.8 46.2

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

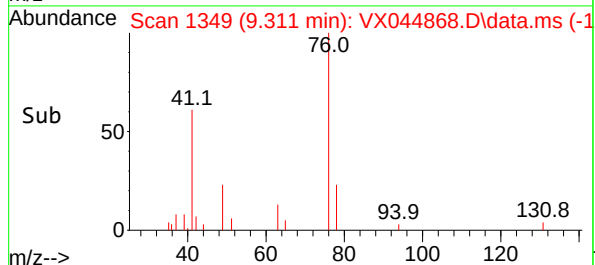
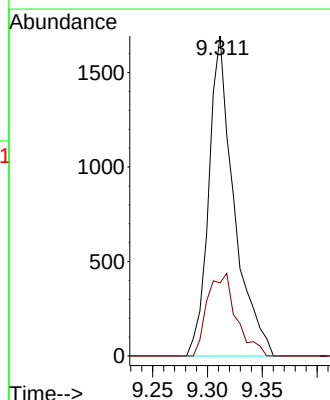
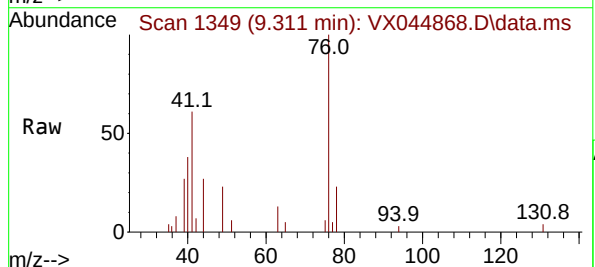
RT: 9.311 min Scan# 1349

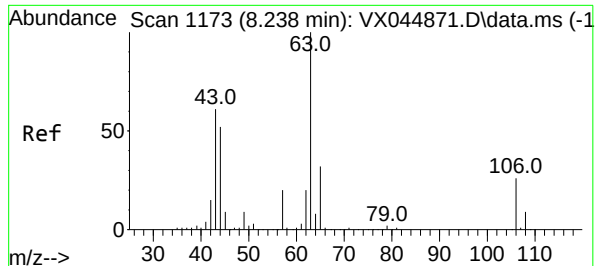
Delta R.T. 0.007 min

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

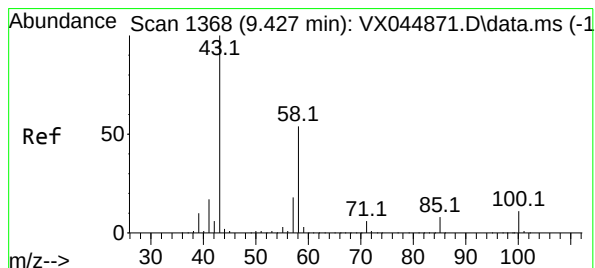
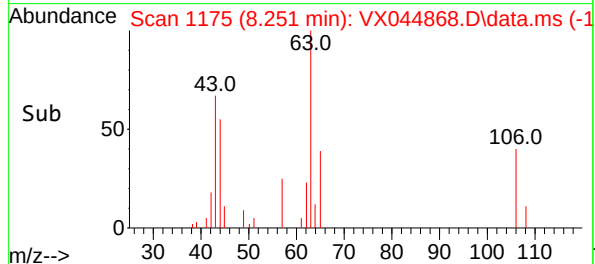
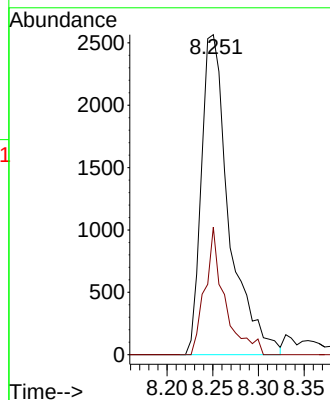
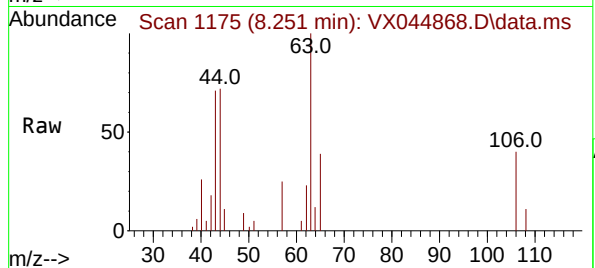
106 28.2 21.3 31.9

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

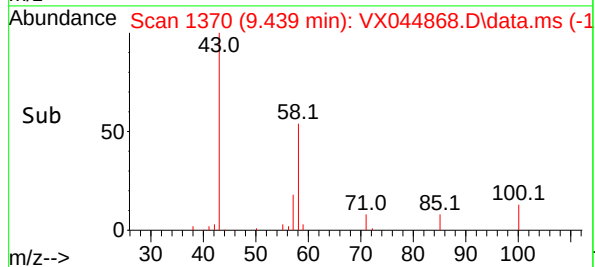
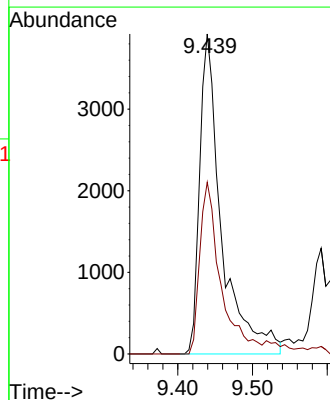
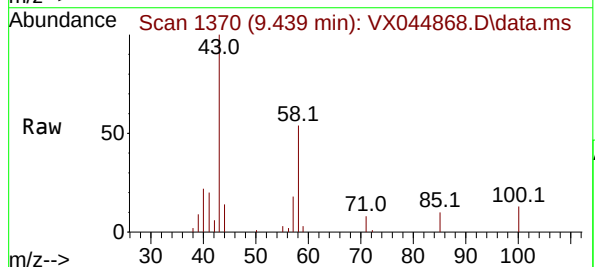
Acq: 10 Feb 2025 10:25

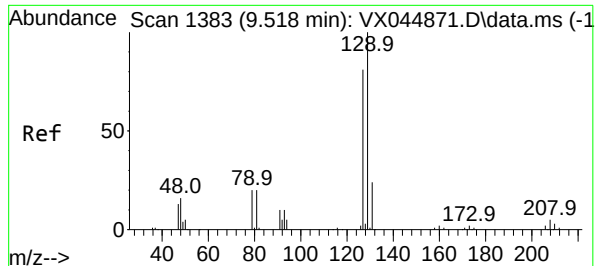
Tgt Ion: 43 Resp: 7952

Ion Ratio Lower Upper

43 100

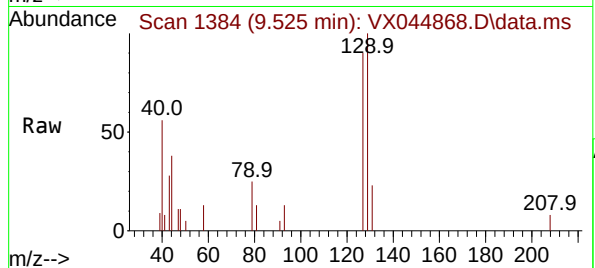
58 51.3 27.5 82.4





#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

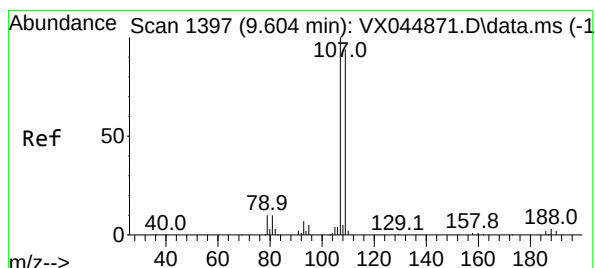
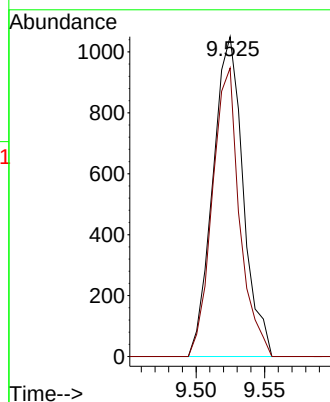
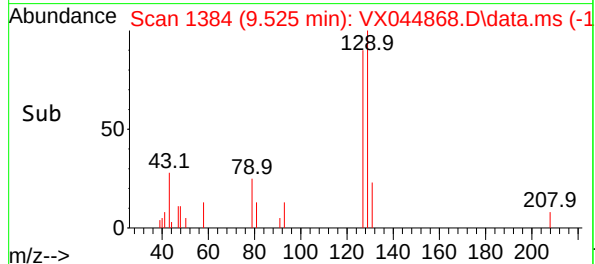
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion:129 Resp: 161
Ion Ratio Lower Upper
129 100
127 81.3 39.1 117.3

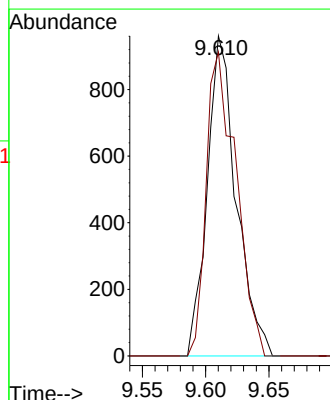
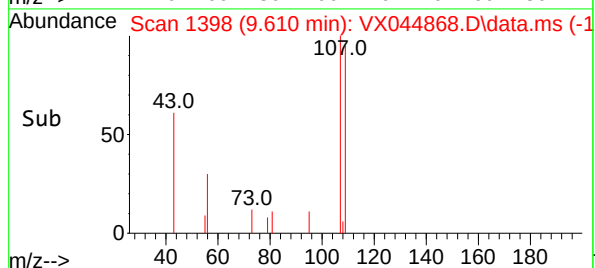
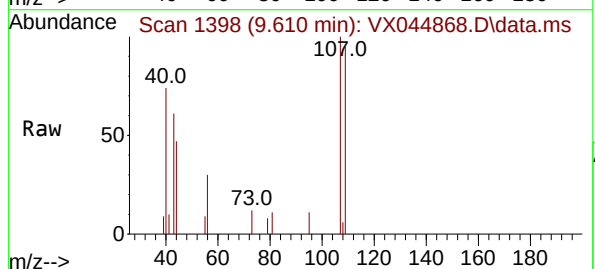
Manual Integrations
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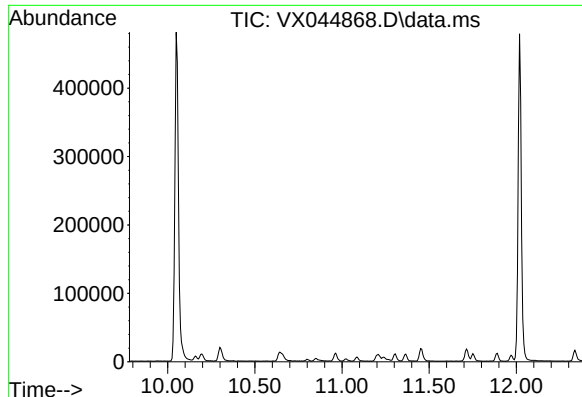
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

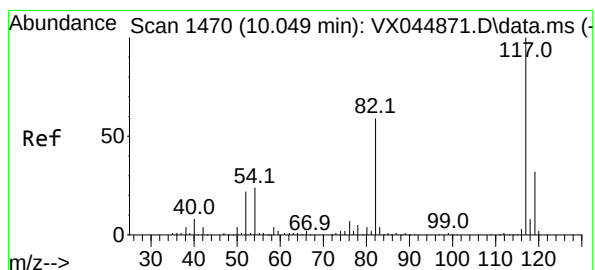
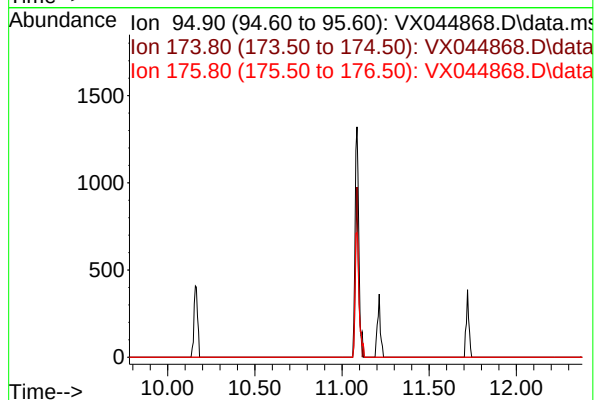
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

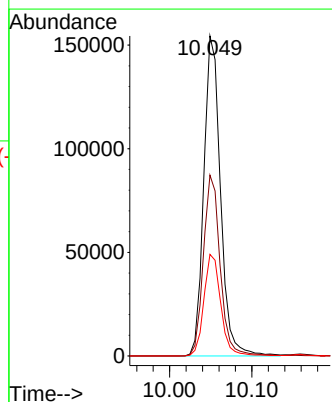
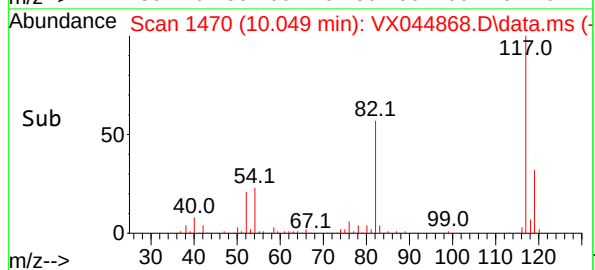
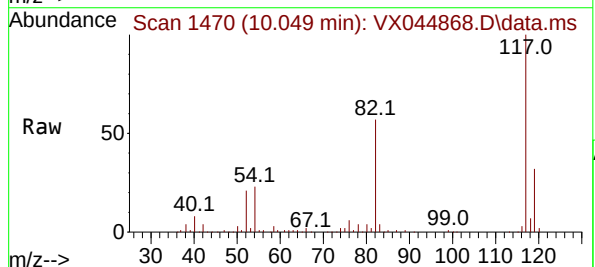
Manual Integrations APPROVED

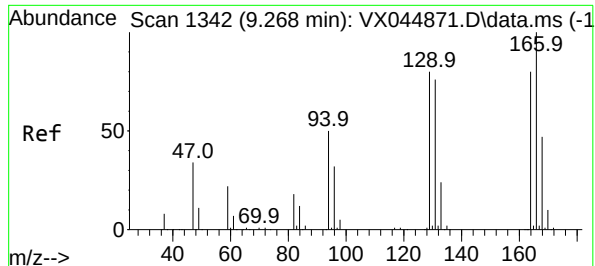
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

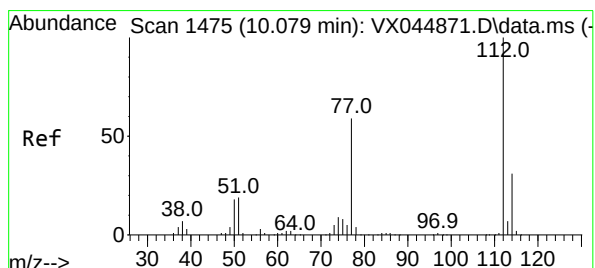
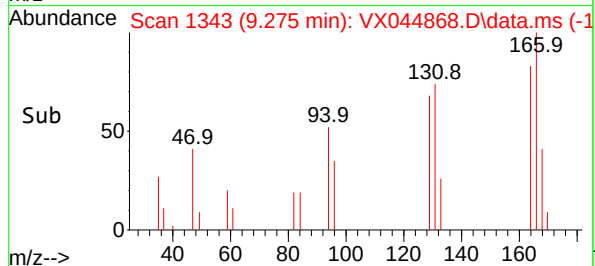
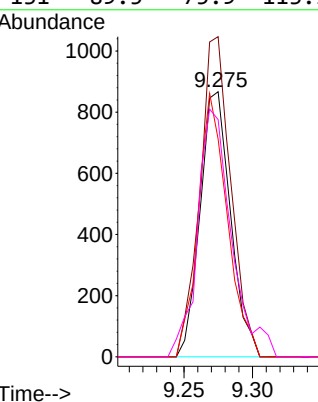
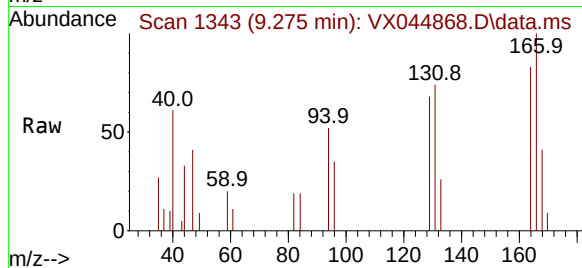
131 89.5 75.9 113.9

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

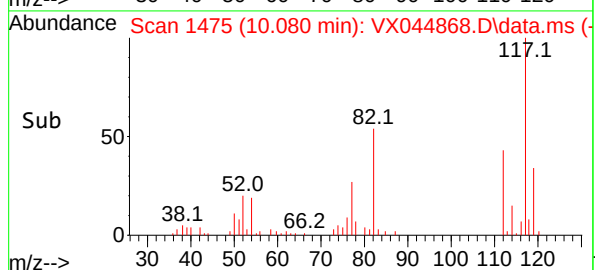
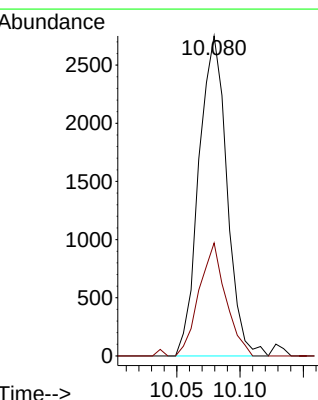
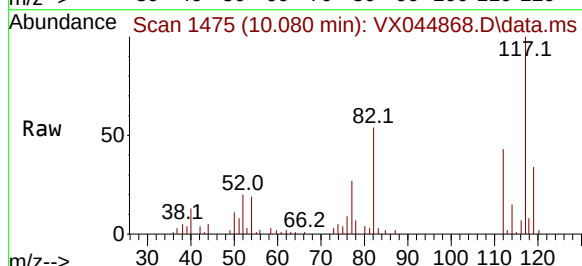
Acq: 10 Feb 2025 10:25

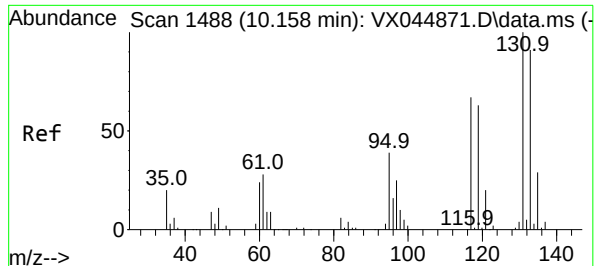
Tgt Ion:112 Resp: 4234

Ion Ratio Lower Upper

112 100

114 35.3 25.0 37.6





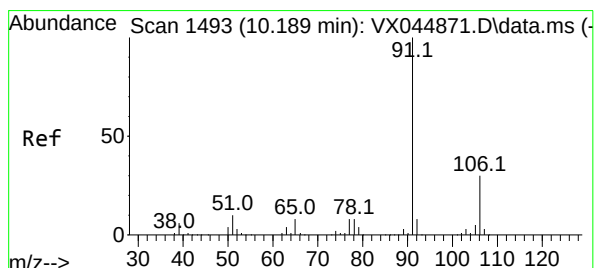
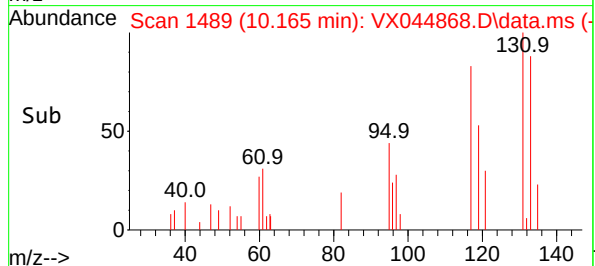
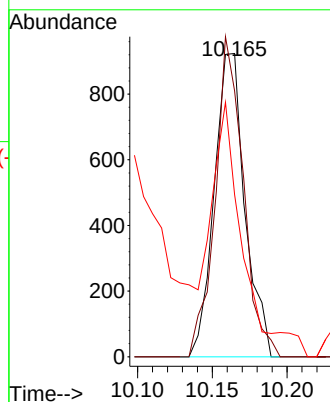
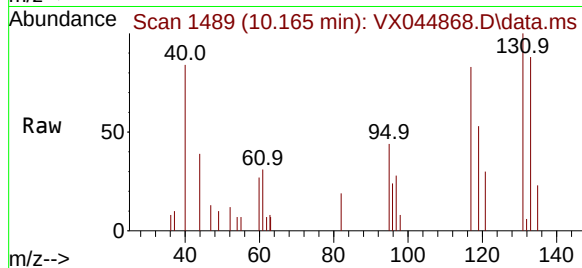
#66
1,1,1,2-Tetrachloroethane
Concen: 0.874 ug/l
RT: 10.165 min Scan# 1488
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

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

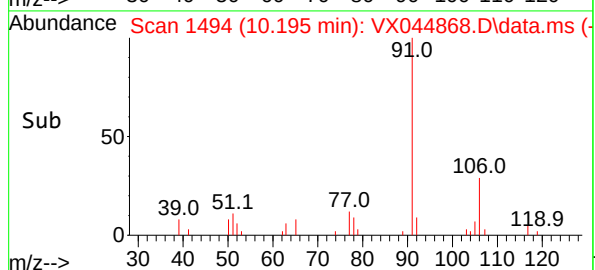
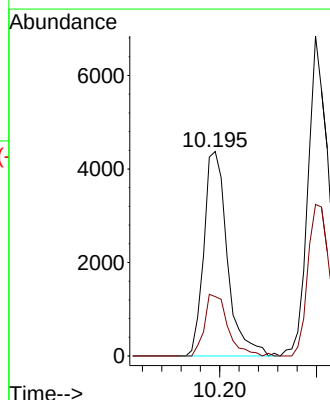
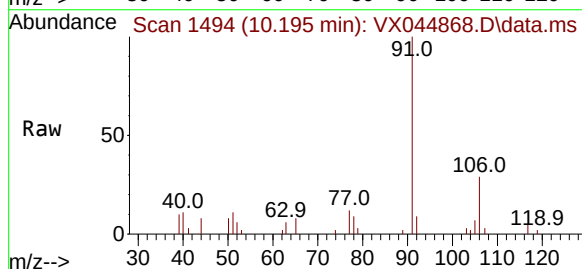
Manual Integrations
APPROVED

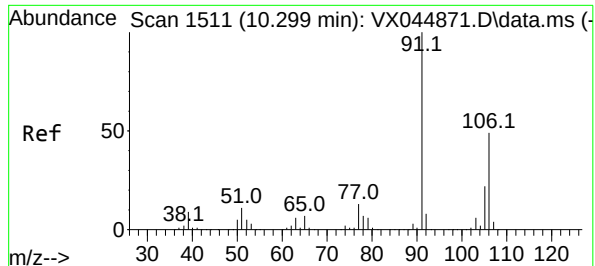
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

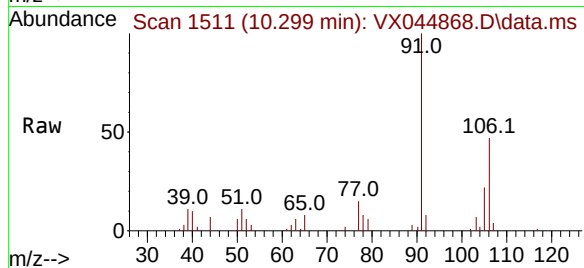
Tgt Ion: 91 Resp: 7388
Ion Ratio Lower Upper
91 100
106 29.0 23.9 35.9





#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

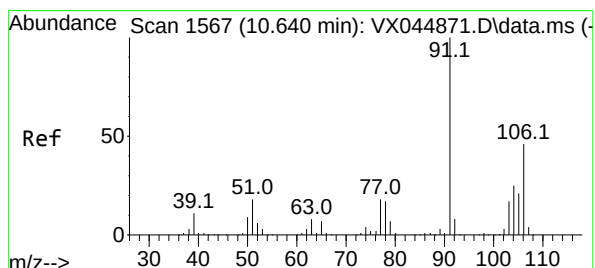
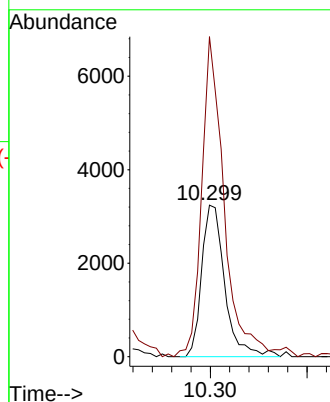
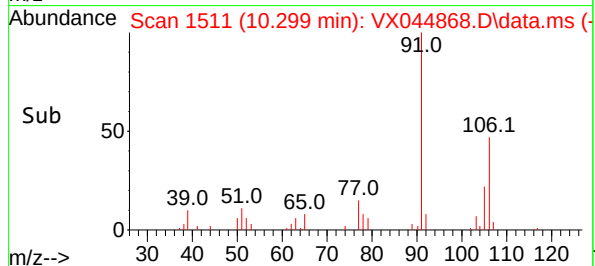
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



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

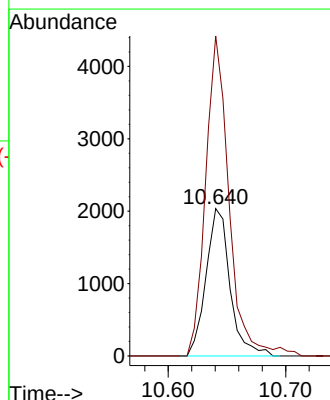
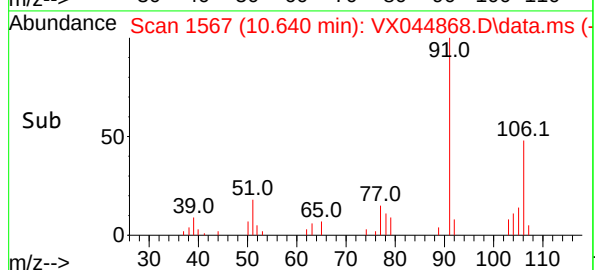
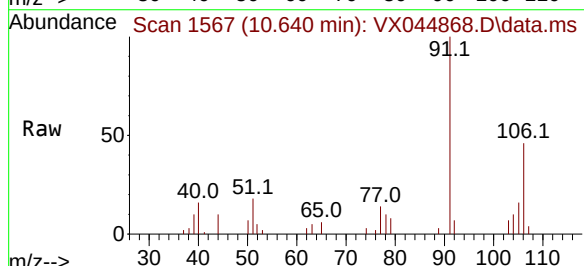
Manual Integrations
APPROVED

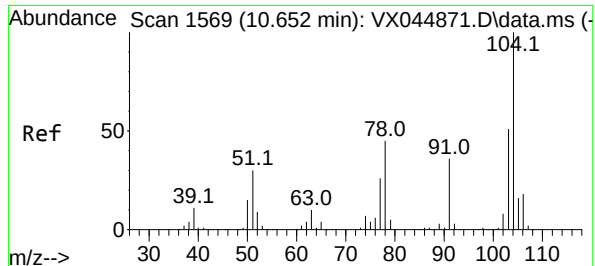
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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 :

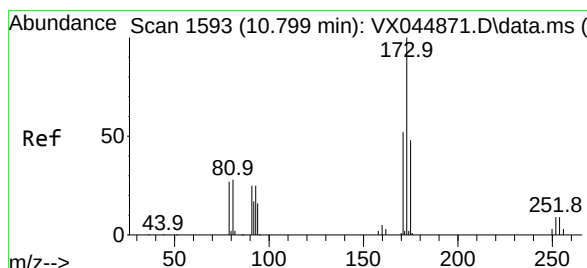
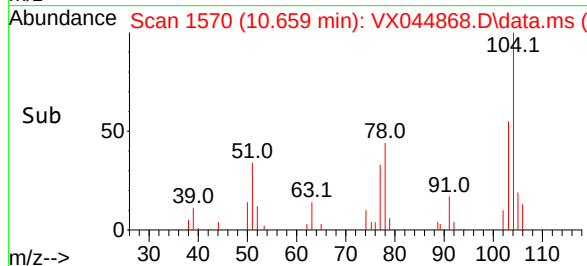
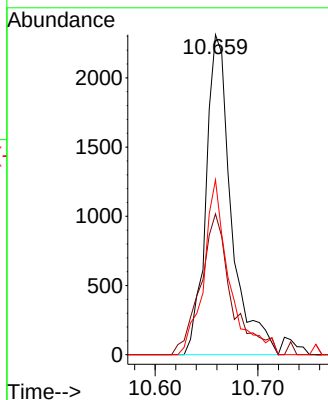
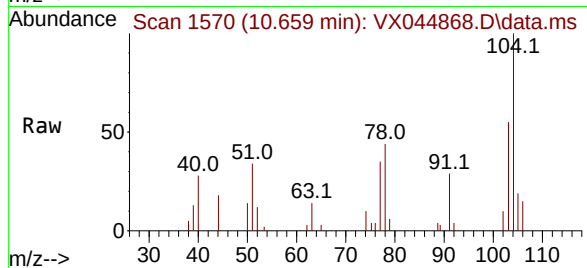
VSTDIC001

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

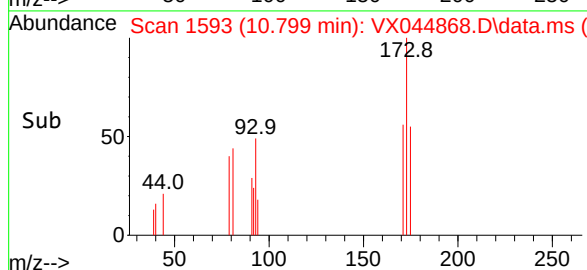
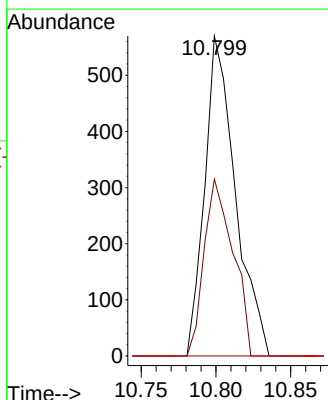
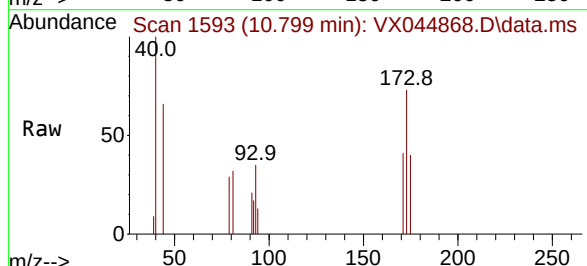
RT: 10.799 min Scan# 1593

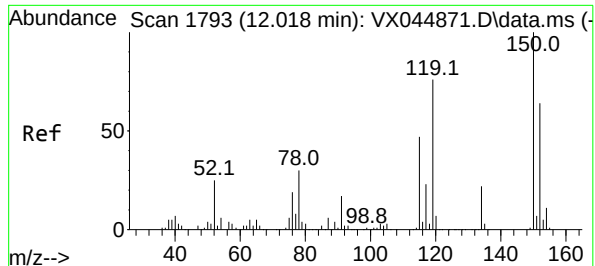
Delta R.T. 0.000 min

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 :

VSTDICC001

Tgt Ion:152 Resp: 9073

Ion Ratio Lower Upper

152 100

115 62.0 43.4 130.1

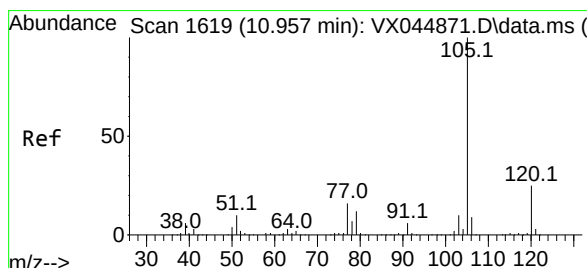
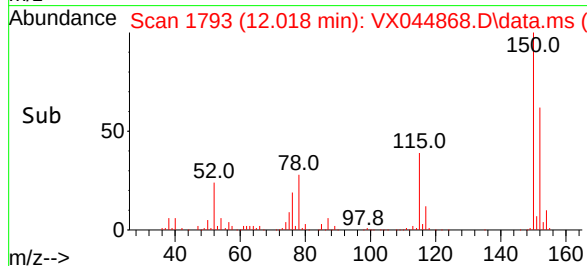
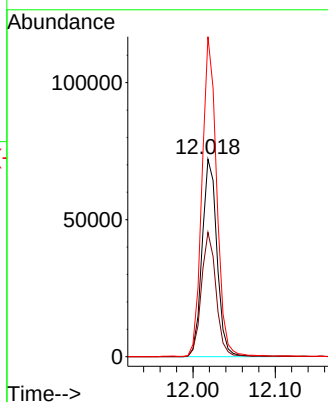
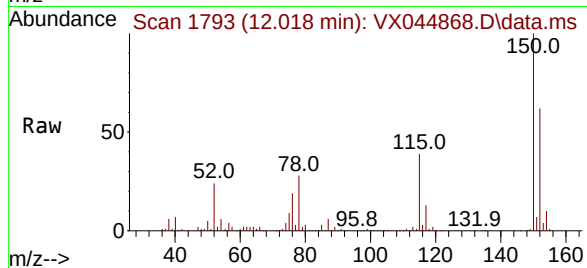
150 158.6 0.0 350.4

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

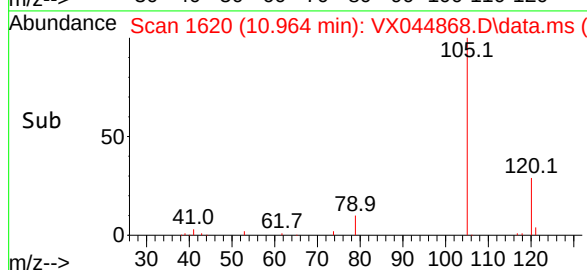
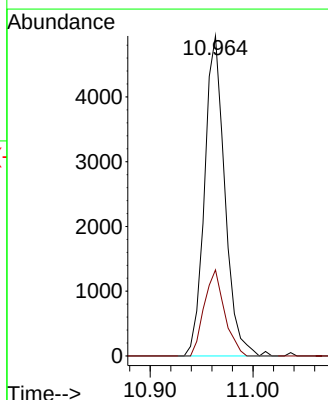
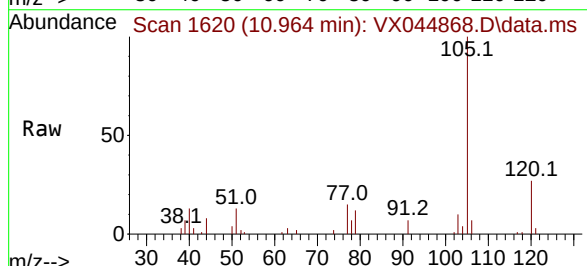
Acq: 10 Feb 2025 10:25

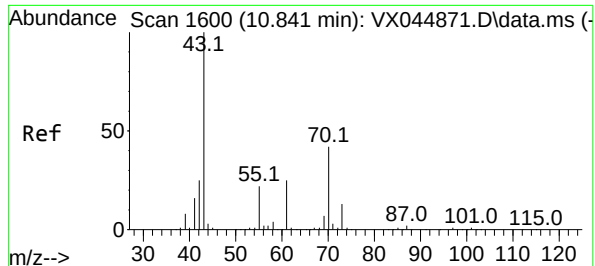
Tgt Ion:105 Resp: 6778

Ion Ratio Lower Upper

105 100

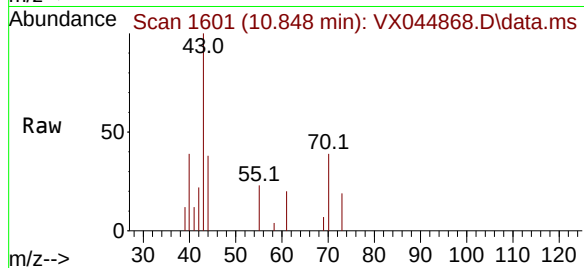
120 27.0 13.2 39.5





#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

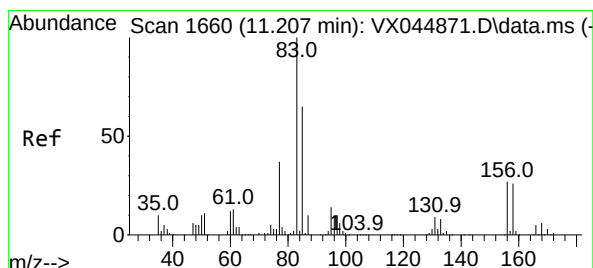
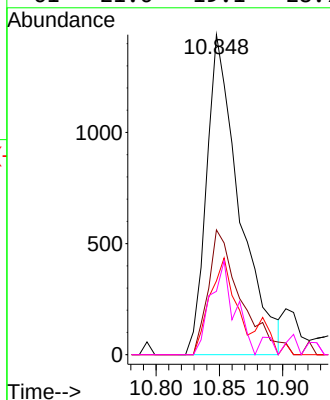
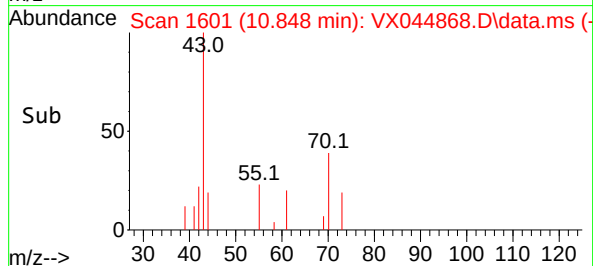
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



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

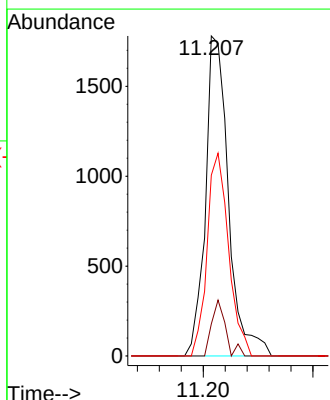
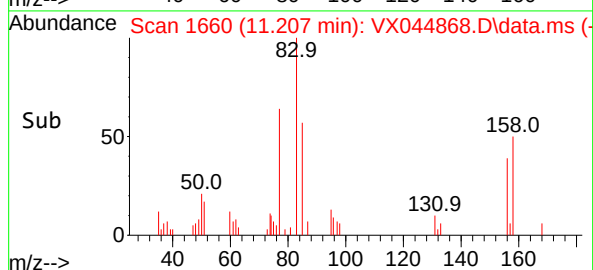
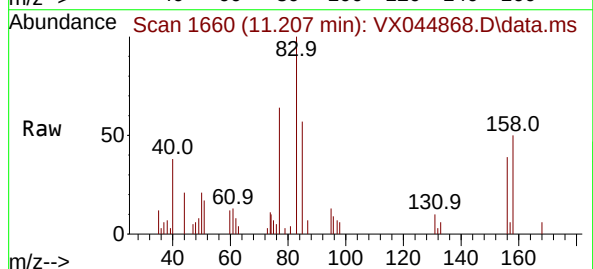
Manual Integrations
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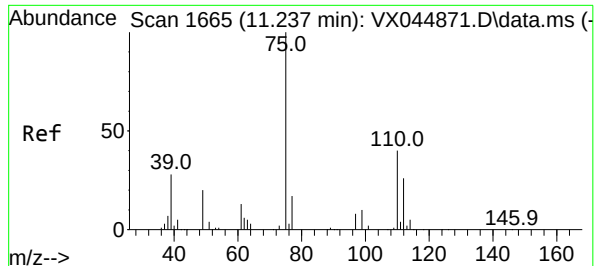
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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# 1

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 1898

Ion Ratio Lower Upper

75 100

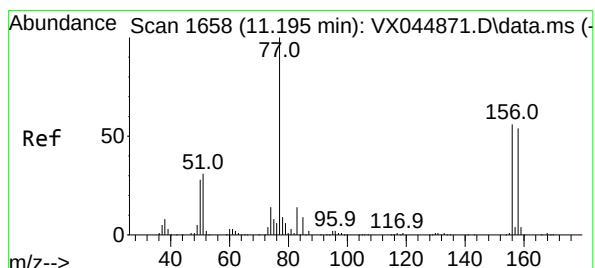
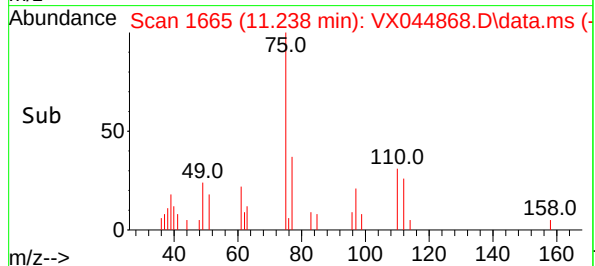
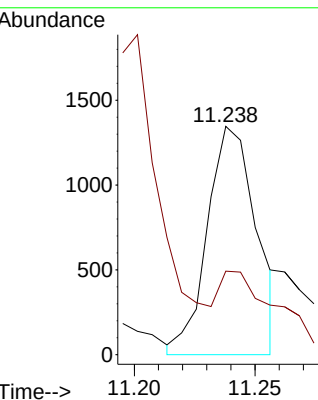
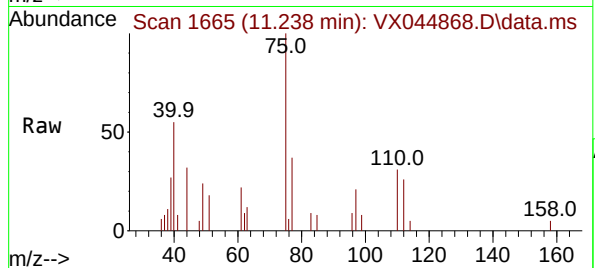
77 43.4 21.9 65.7

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

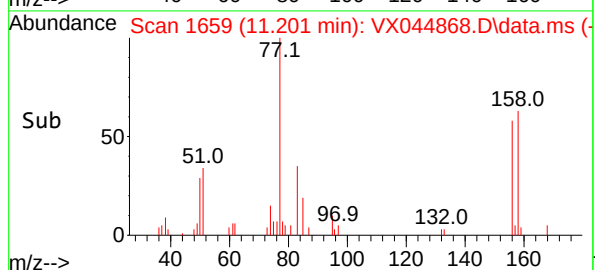
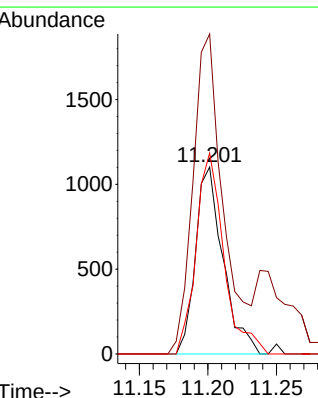
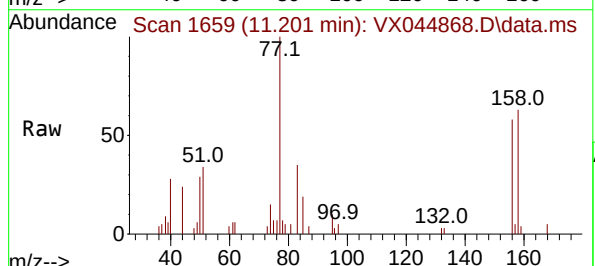
Tgt Ion:156 Resp: 1537

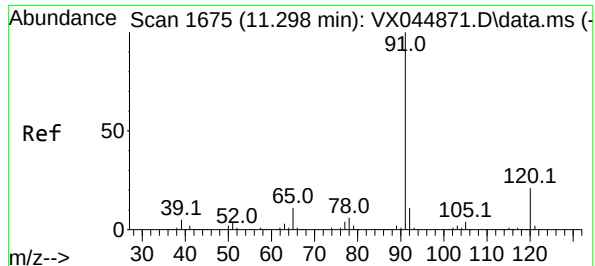
Ion Ratio Lower Upper

156 100

77 188.7 88.4 265.3

158 108.6 48.4 145.2





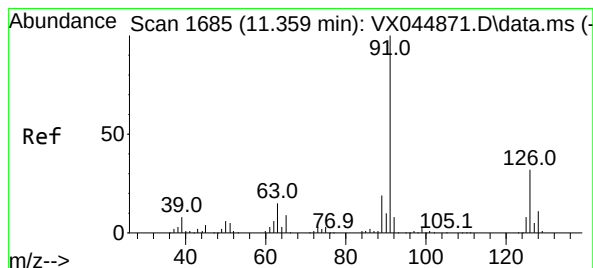
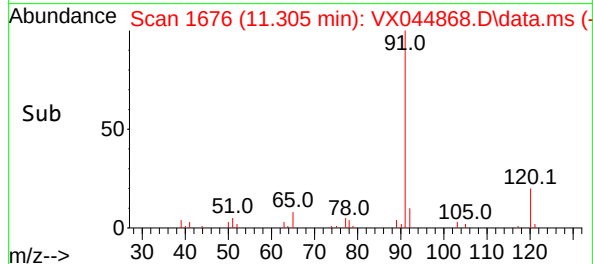
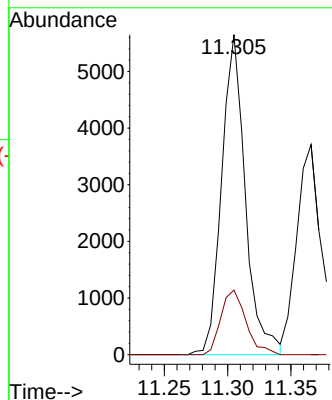
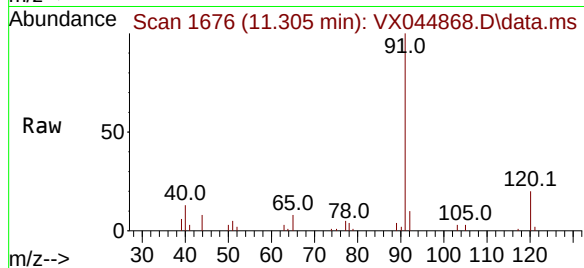
#78
n-propylbenzene
Concen: 0.871 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

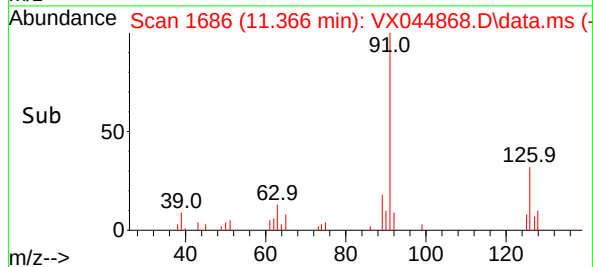
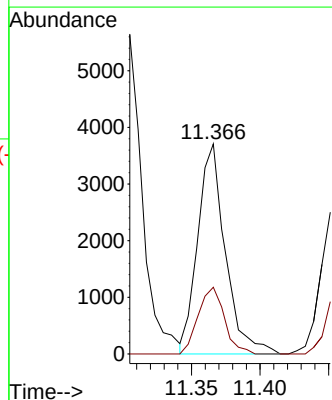
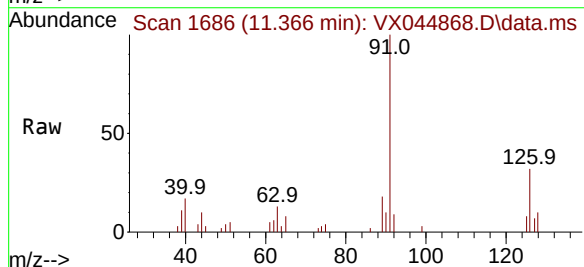
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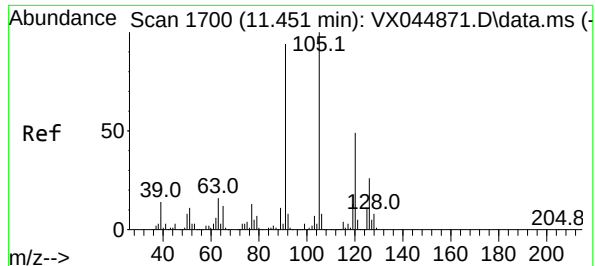
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

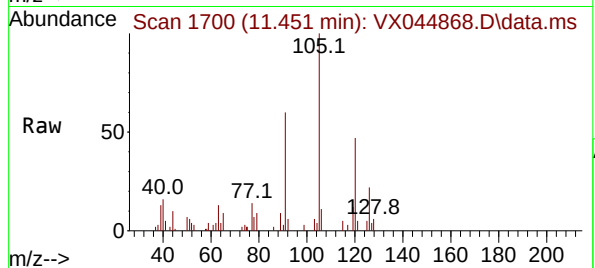
Tgt Ion: 91 Resp: 5188
Ion Ratio Lower Upper
91 100
126 30.1 16.2 48.6





#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

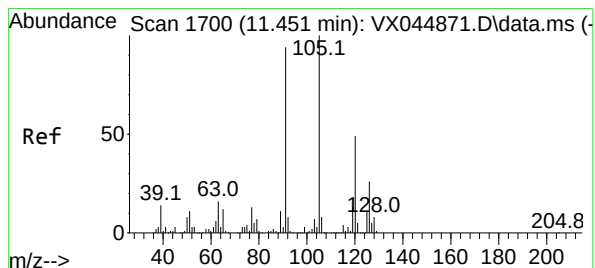
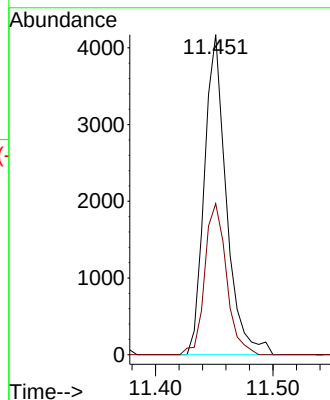
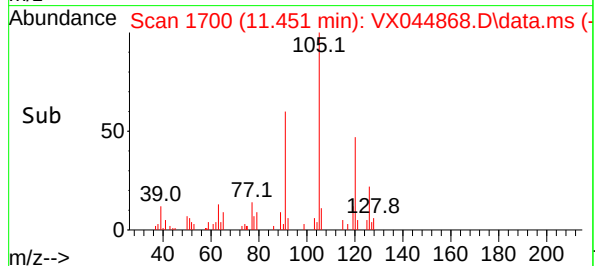
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion:105 Resp: 5410
Ion Ratio Lower Upper
105 100
120 46.7 24.0 72.0

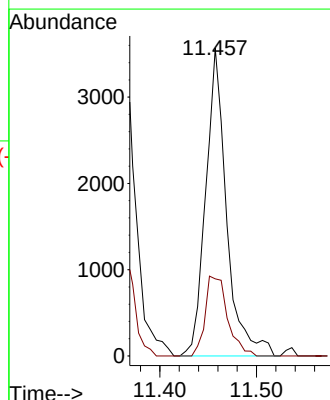
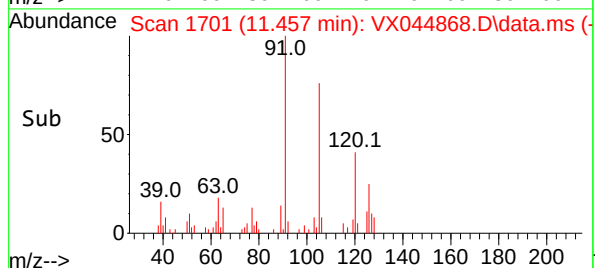
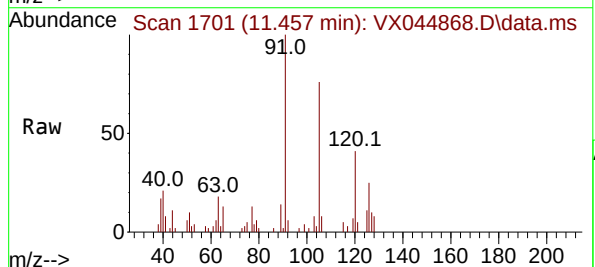
Manual Integrations
APPROVED

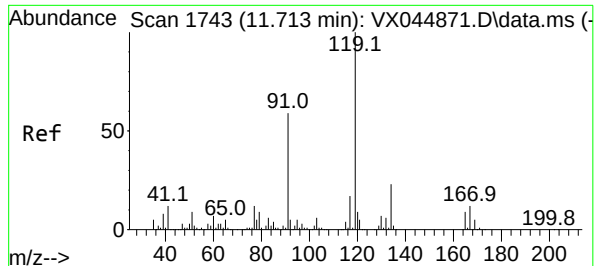
Reviewed By :John Carbone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

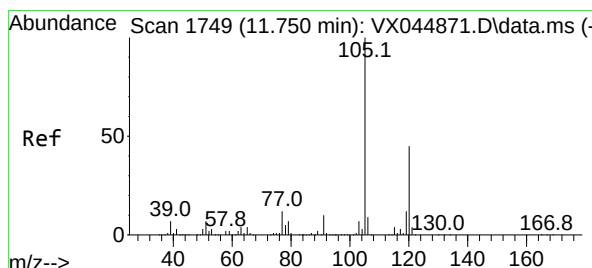
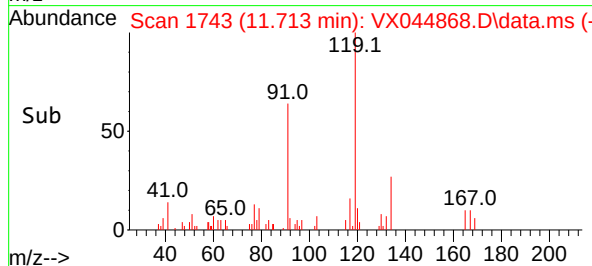
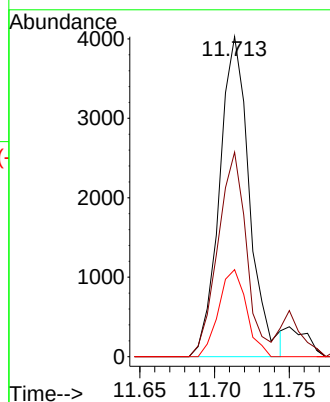
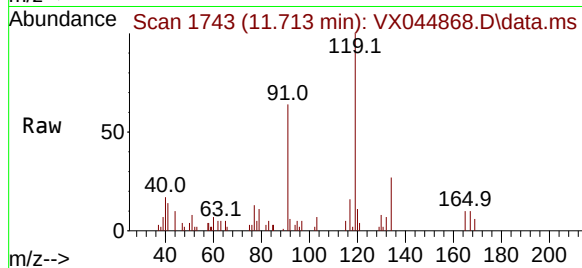
134 25.2 11.5 34.5

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

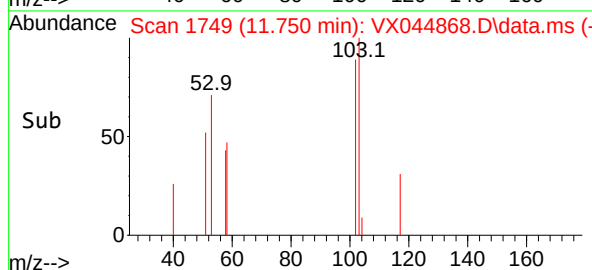
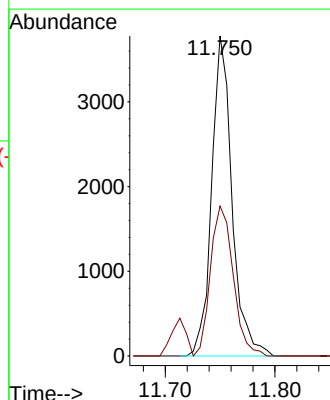
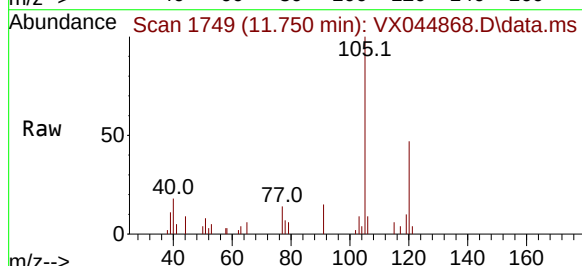
Acq: 10 Feb 2025 10:25

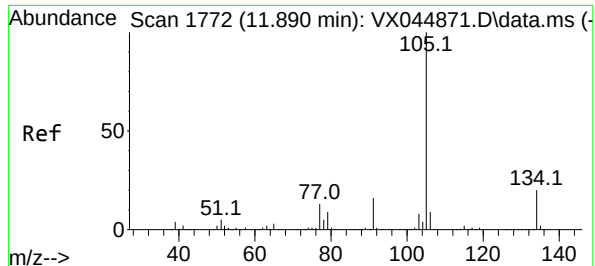
Tgt Ion:105 Resp: 4876

Ion Ratio Lower Upper

105 100

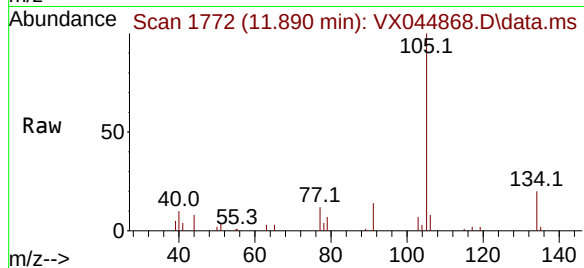
120 52.4 22.4 67.0





#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

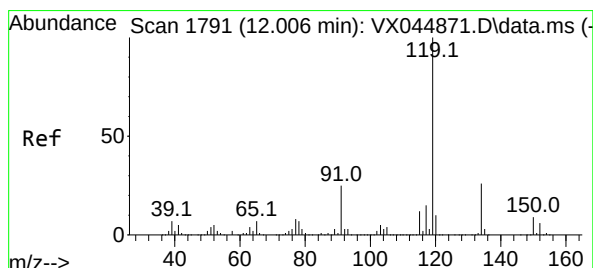
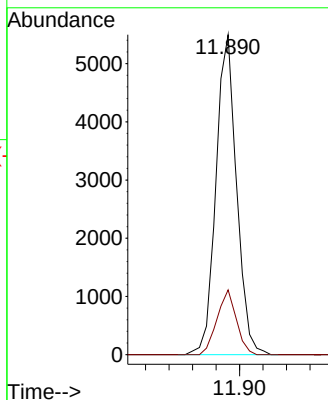
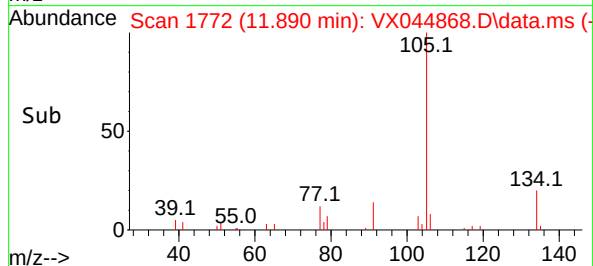
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion:105 Resp: 6700
Ion Ratio Lower Upper
105 100
134 19.0 9.8 29.3

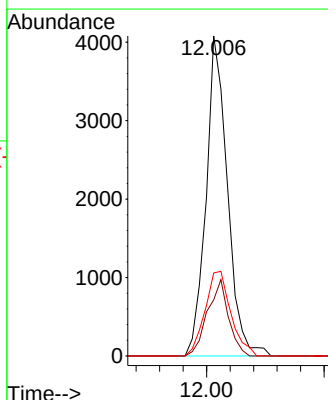
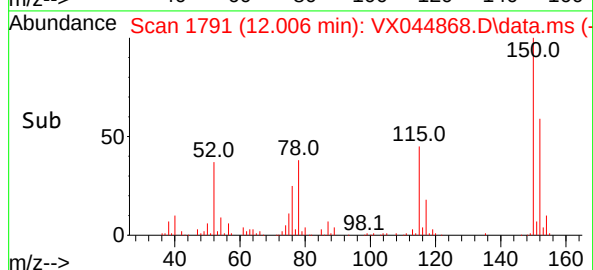
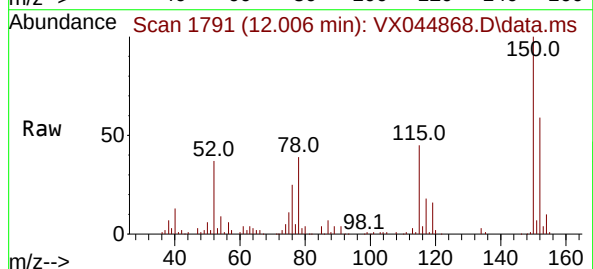
Manual Integrations
APPROVED

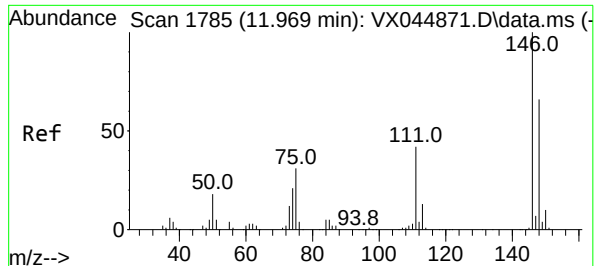
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

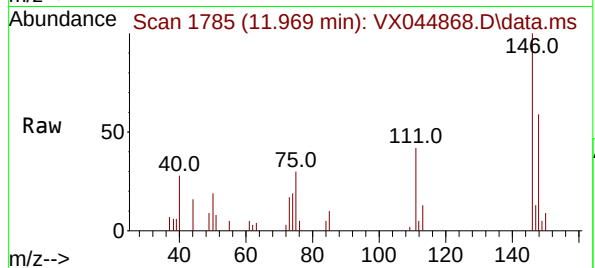
Tgt Ion:119 Resp: 5161
Ion Ratio Lower Upper
119 100
134 23.4 13.0 38.9
91 32.0 12.1 36.3





#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

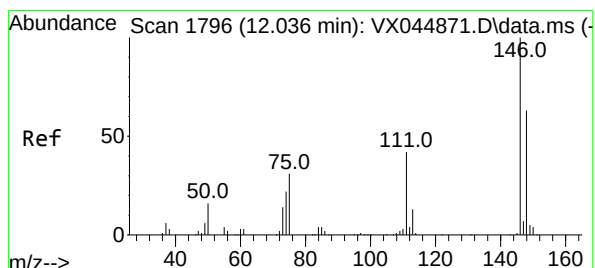
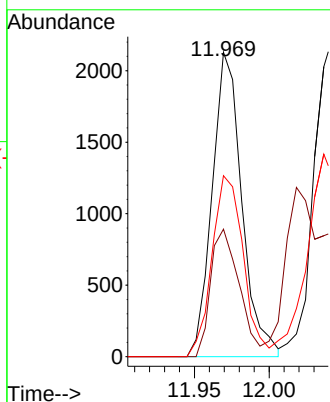
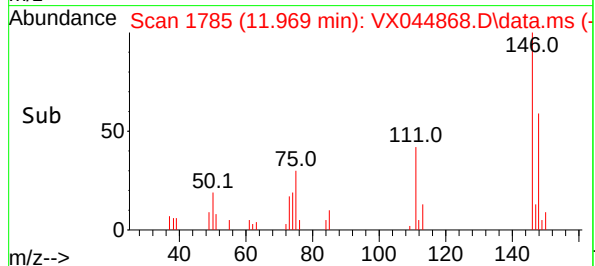
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



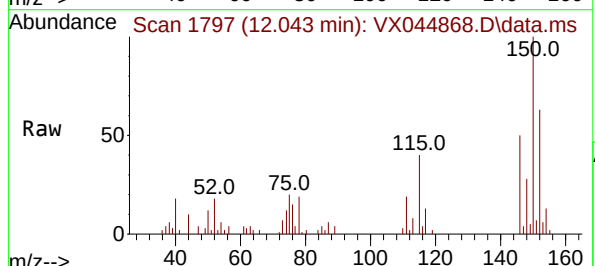
Tgt Ion:146 Resp: 293
Ion Ratio Lower Upper
146 100
111 40.4 21.2 63.6
148 62.8 32.5 97.5

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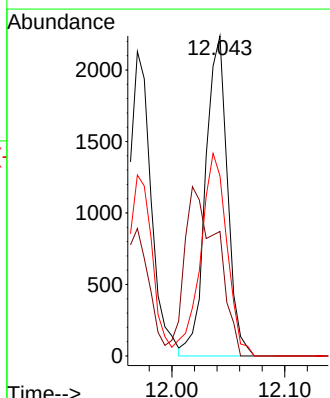
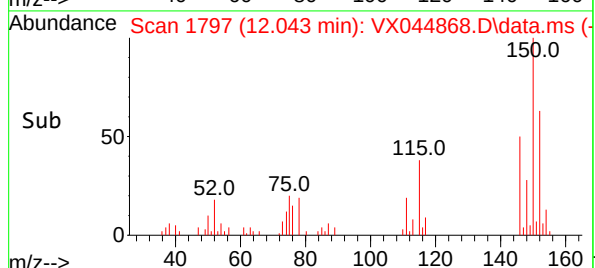
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

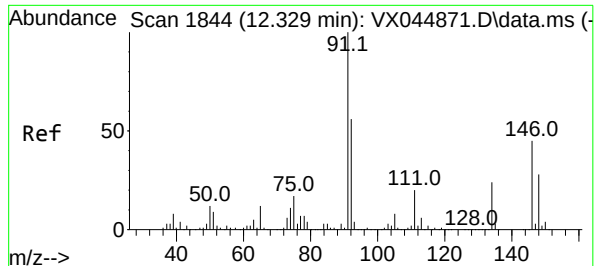


#88
1,4-Dichlorobenzene
Concen: 0.979 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25



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# 1844

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

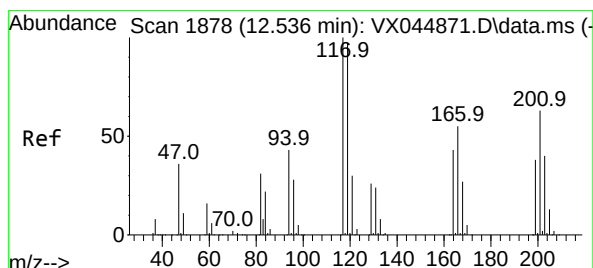
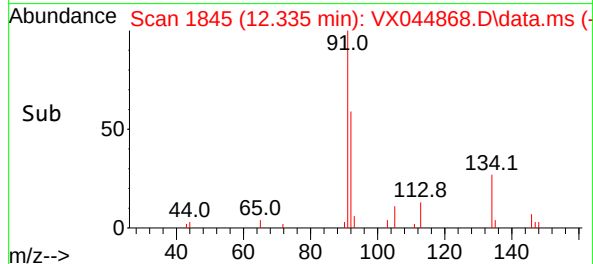
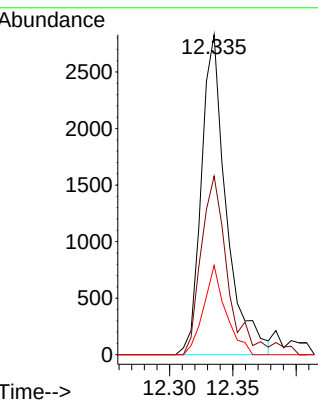
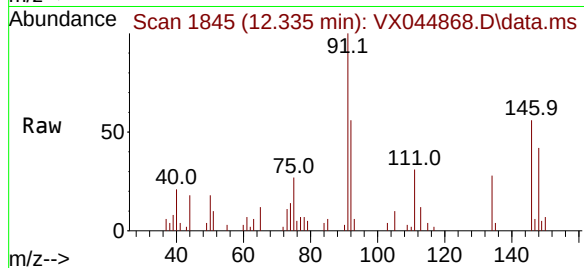
134 24.8 12.1 36.3

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

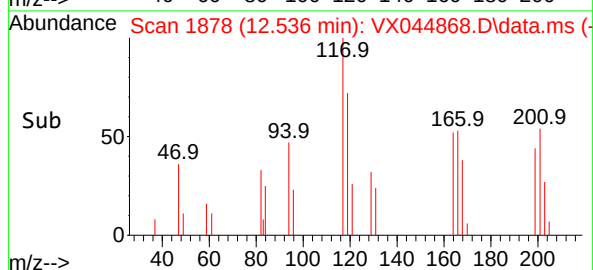
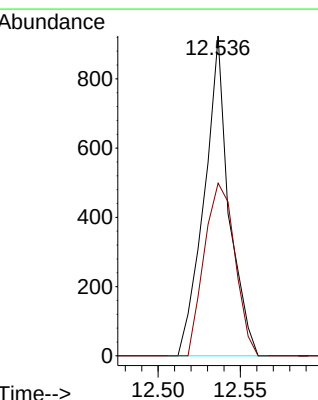
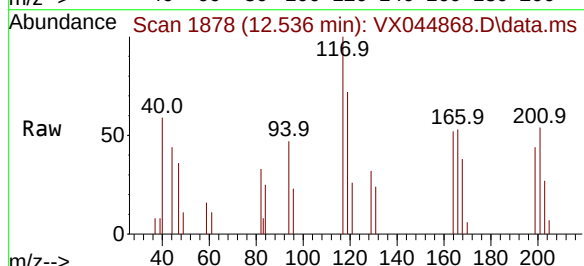
Acq: 10 Feb 2025 10:25

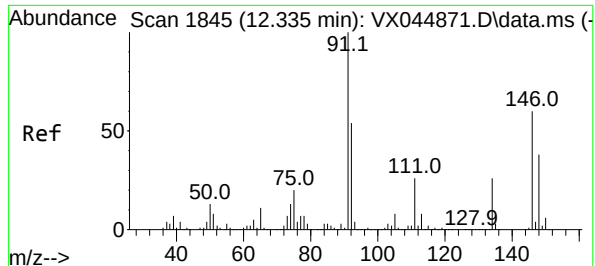
Tgt Ion:117 Resp: 968

Ion Ratio Lower Upper

117 100

201 66.8 32.5 97.5





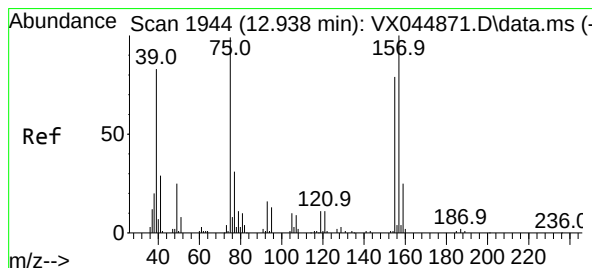
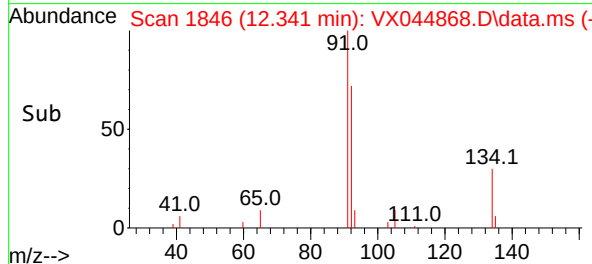
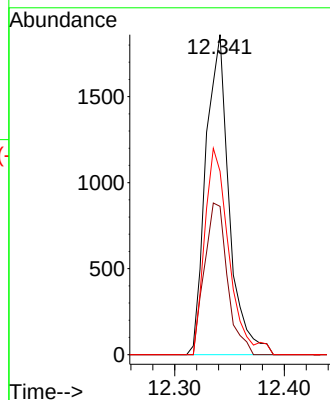
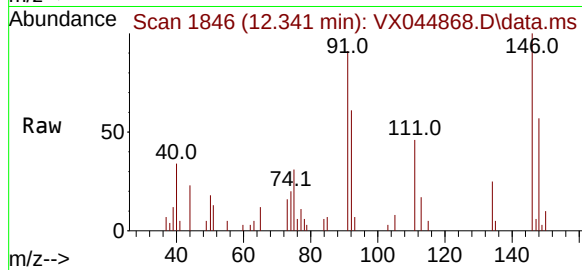
#91
1,2-Dichlorobenzene
Concen: 0.917 ug/l
RT: 12.341 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

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

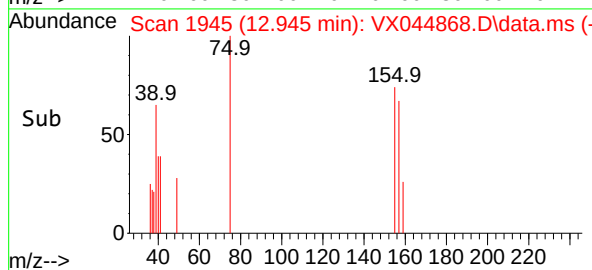
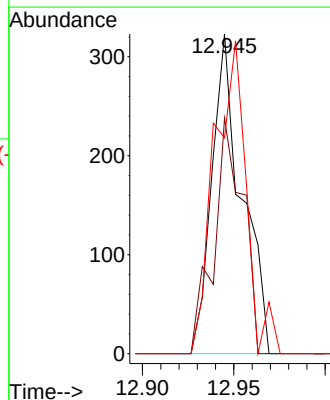
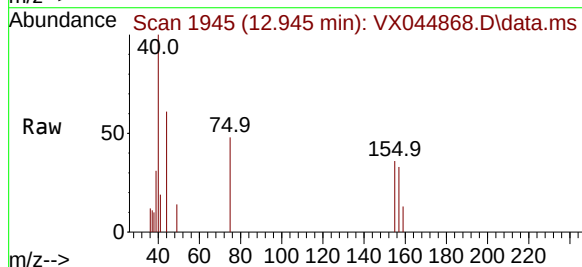
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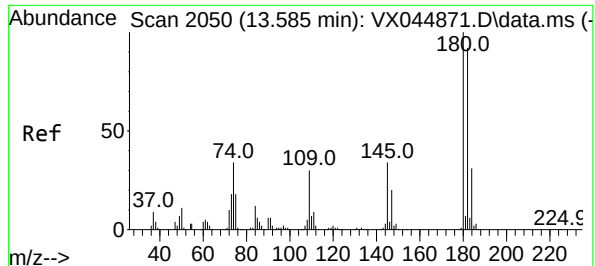
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 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

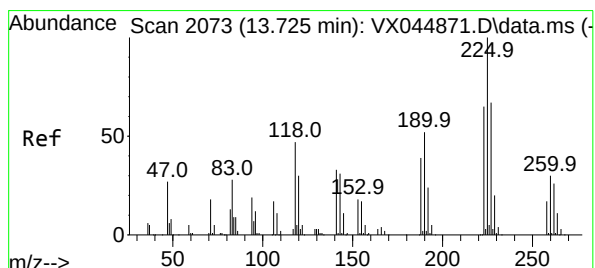
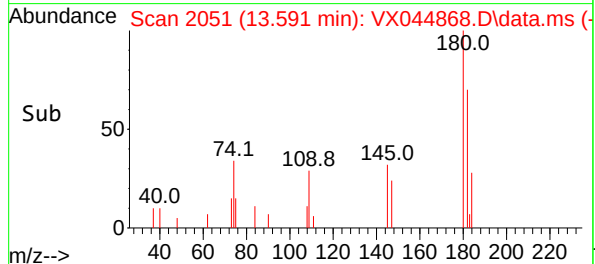
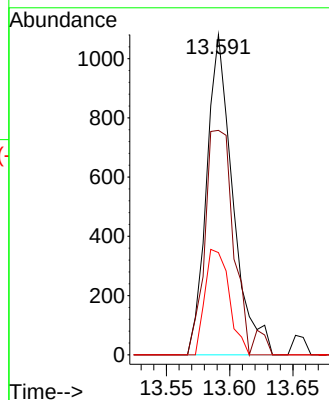
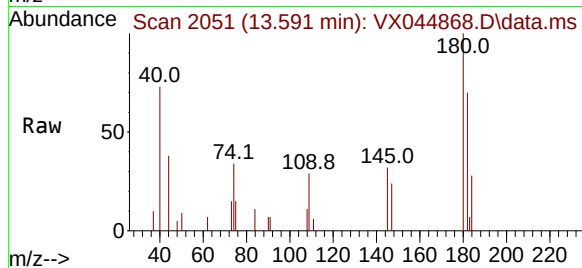
Tgt Ion:	180	Resp:	1560
Ion	Ratio	Lower	Upper
180	100		
182	78.7	47.6	142.8
145	30.4	16.4	49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#94

Hexachlorobutadiene

Concen: 0.966 ug/l

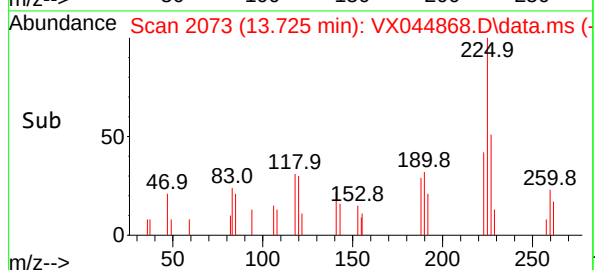
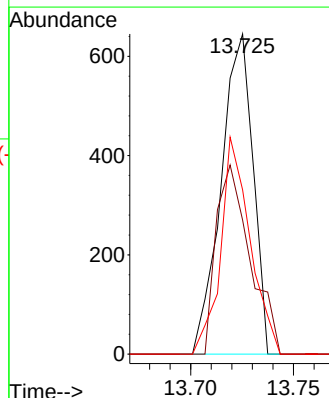
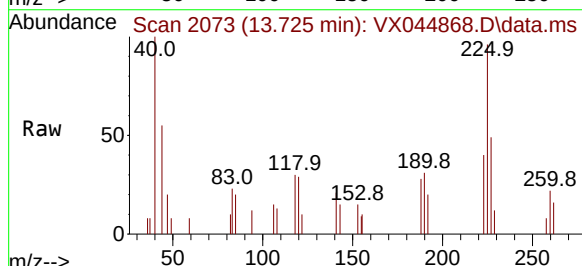
RT: 13.725 min Scan# 2073

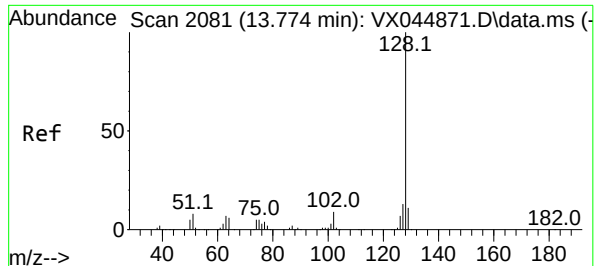
Delta R.T. 0.000 min

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 :

VSTDIC001

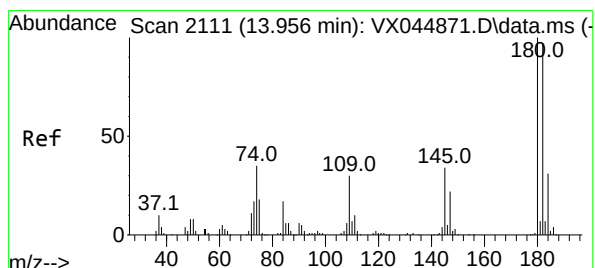
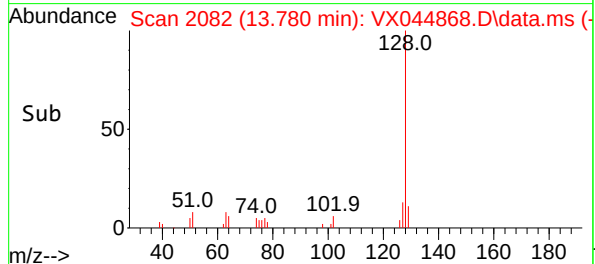
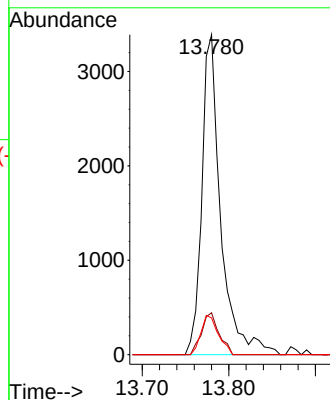
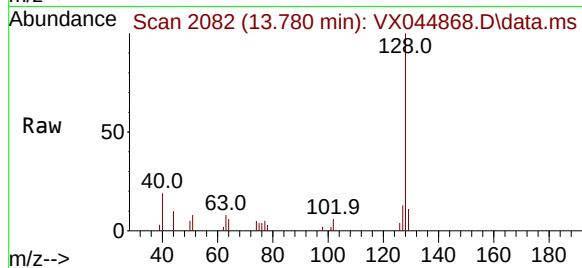
Tgt Ion:	128	Resp:	512
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.1	15.1
129	11.3	8.9	13.3

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

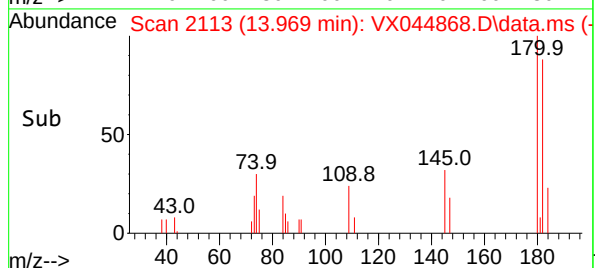
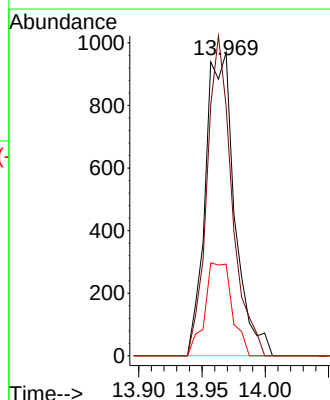
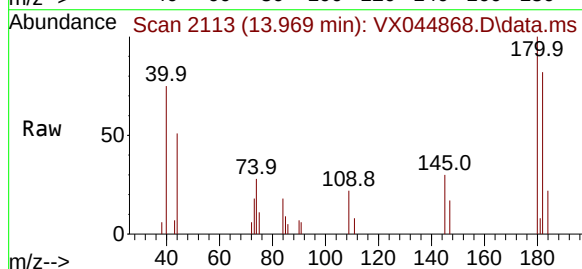
RT: 13.969 min Scan# 2113

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

Manual Integrations
 APPROVED

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

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

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

Manual Integrations
 APPROVED

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

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

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

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

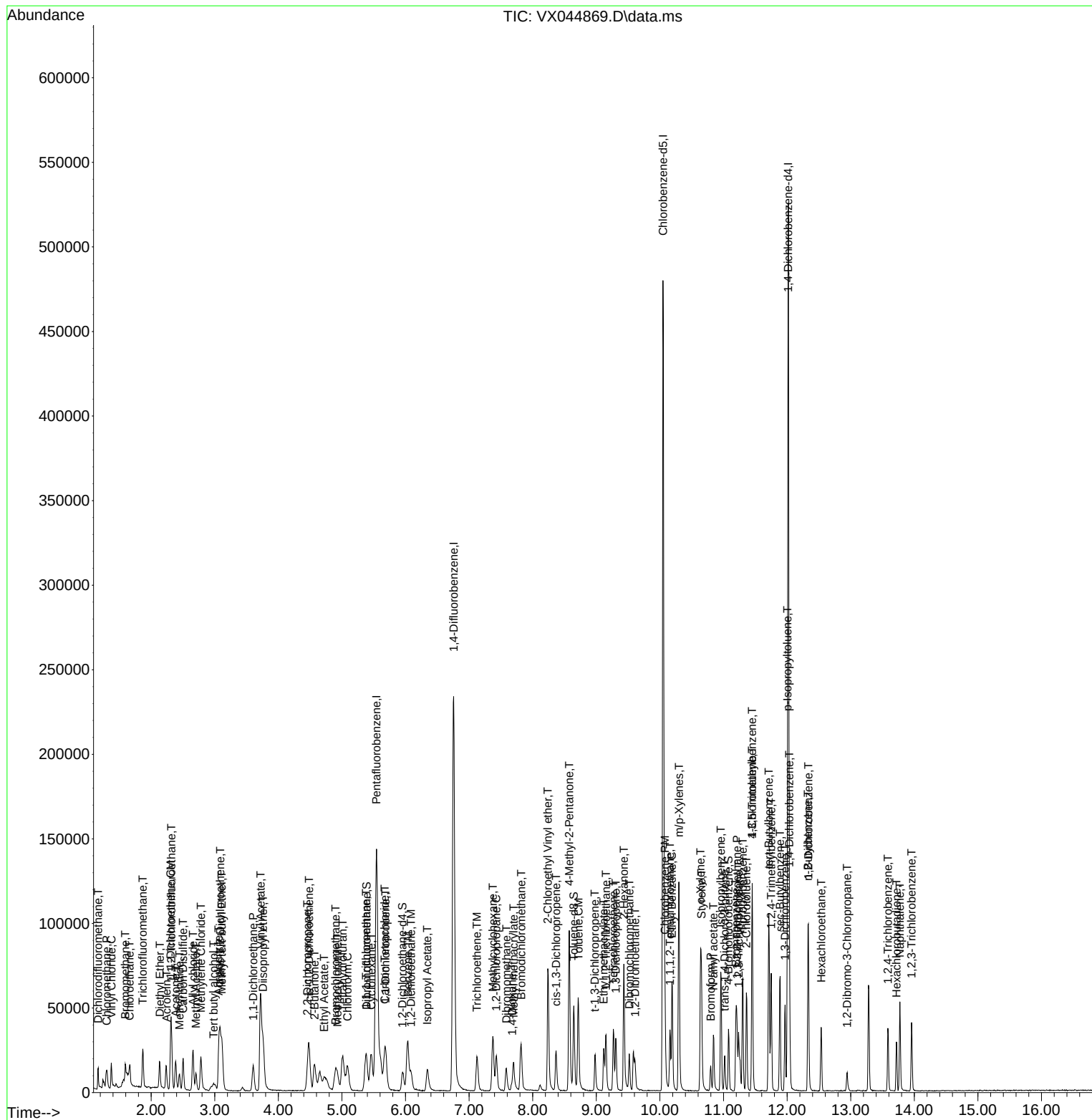
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Data File : VX044869.D  
Acq On    : 10 Feb 2025  10:48  
Operator  : JC/MD  
Sample    : VSTDICC005  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 4      Sample Multiplier: 1
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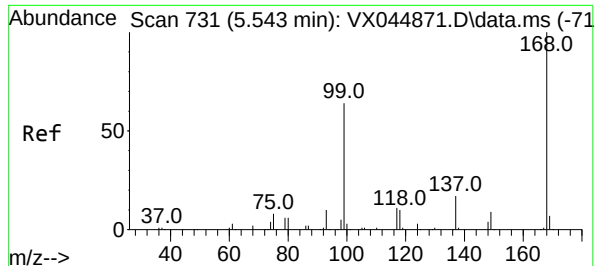
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

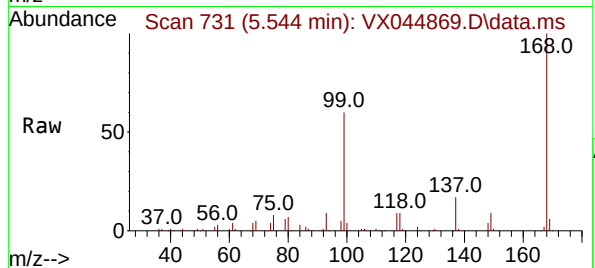
Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration





#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

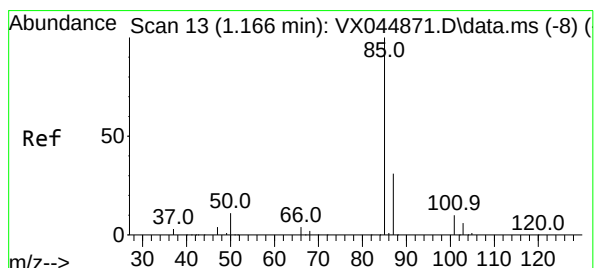
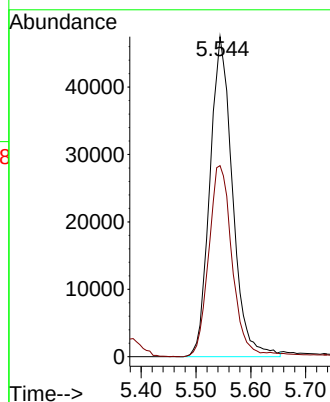
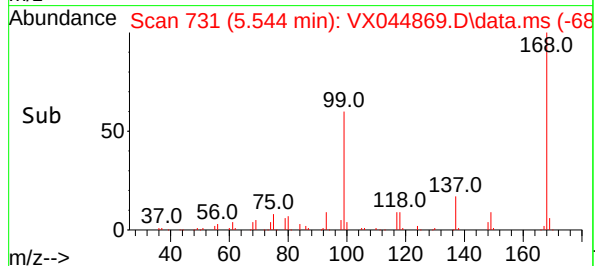
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



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

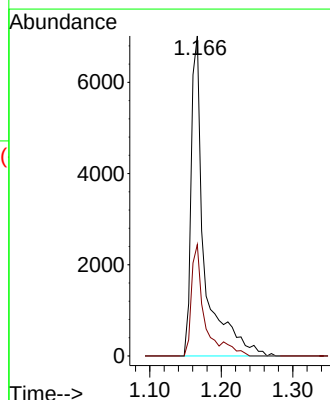
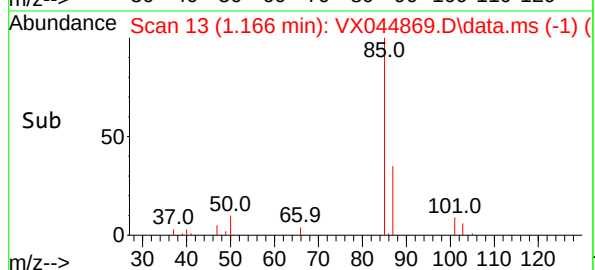
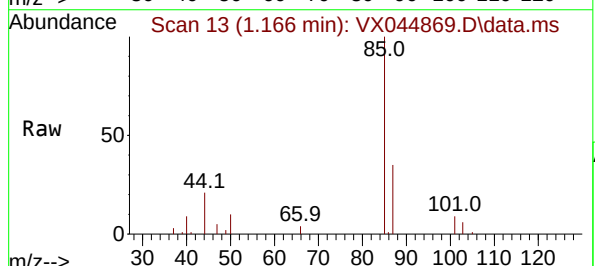
Manual Integrations
APPROVED

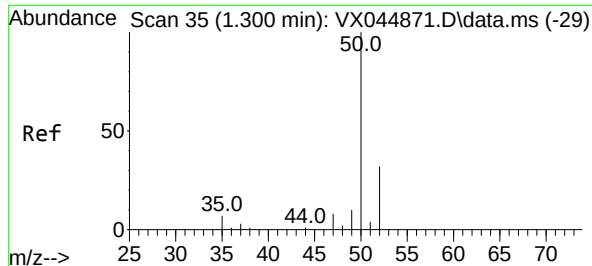
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





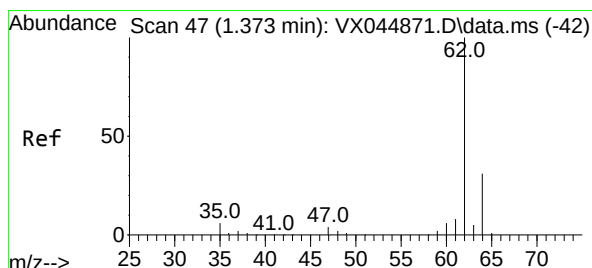
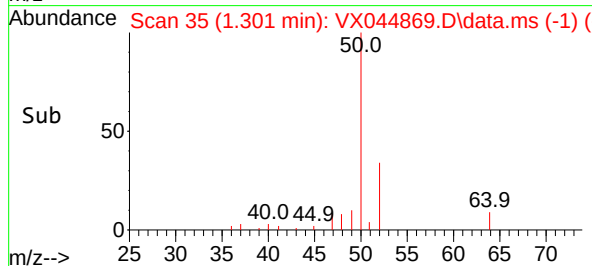
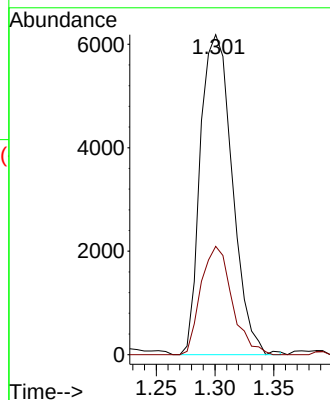
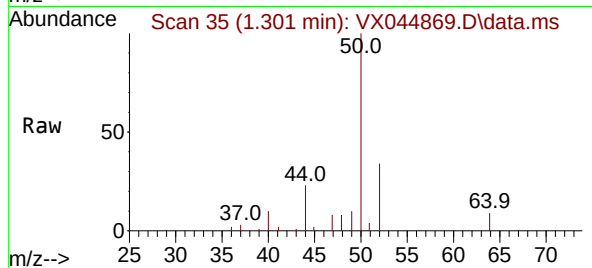
#3
Chloromethane
Concen: 5.041 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

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

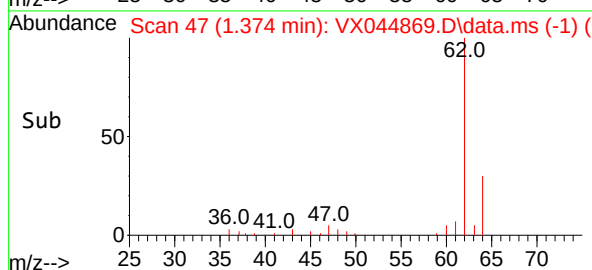
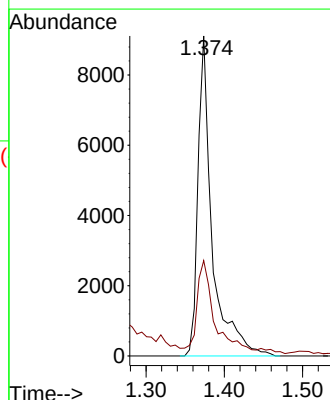
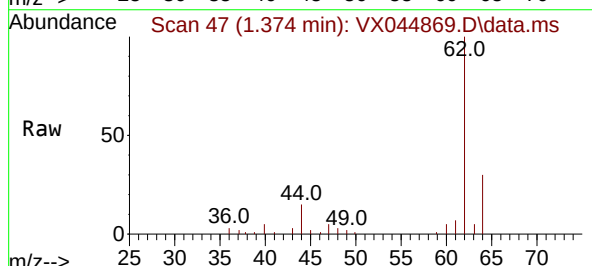
Manual Integrations
APPROVED

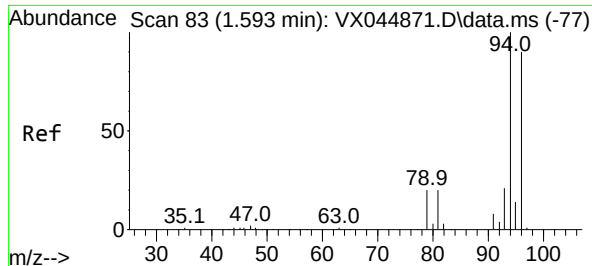
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





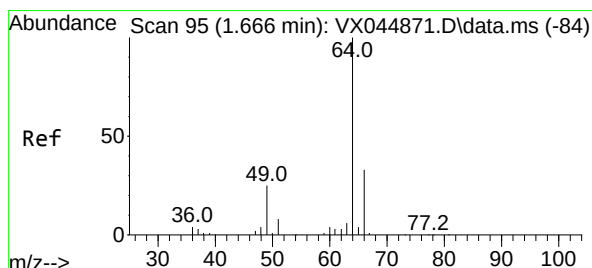
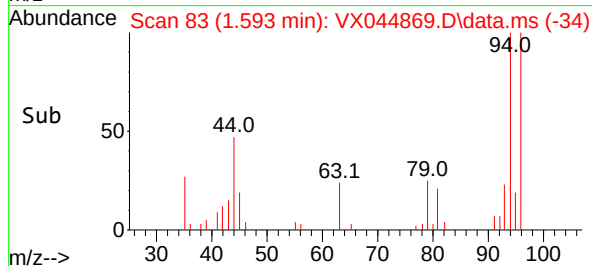
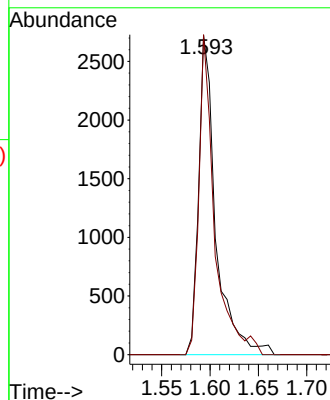
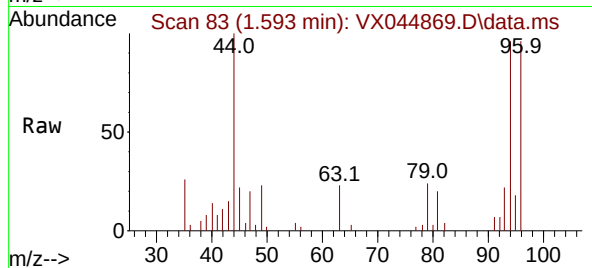
#5
Bromomethane
Concen: 5.005 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

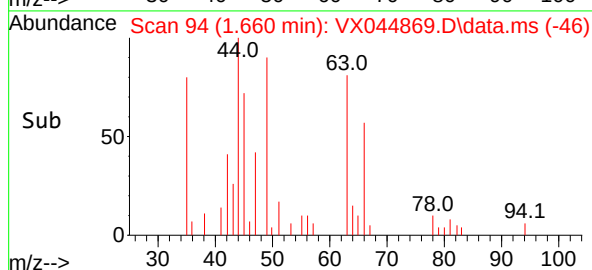
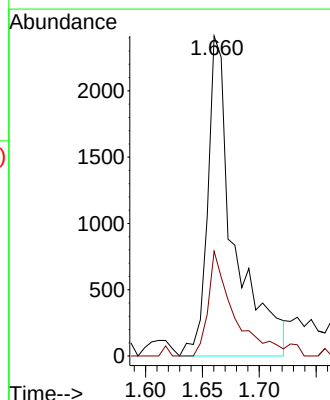
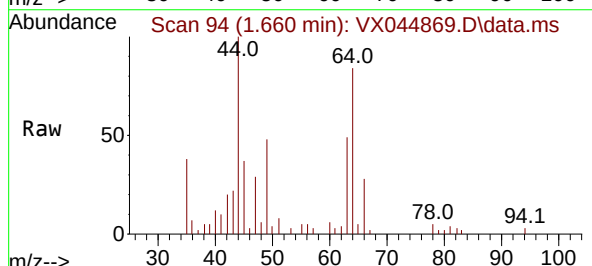
Manual Integrations
APPROVED

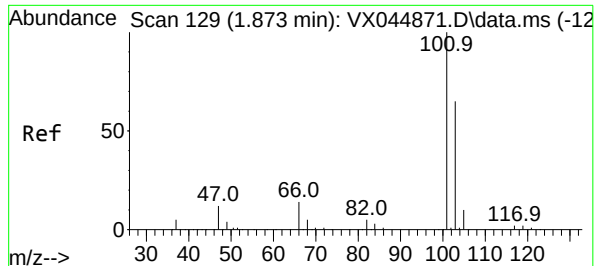
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





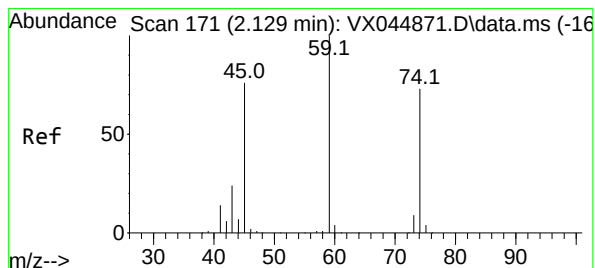
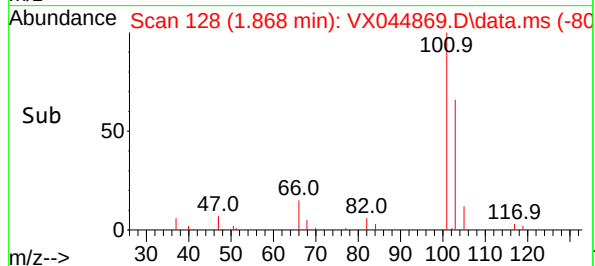
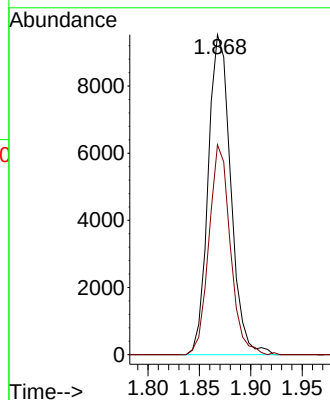
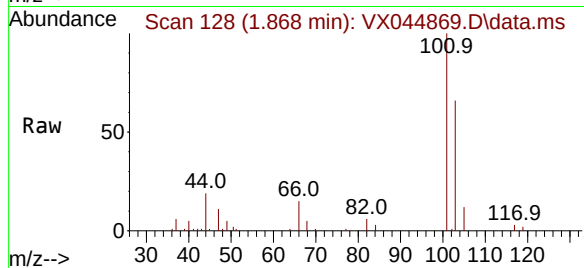
#7
Trichlorofluoromethane
Concen: 5.096 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.005 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

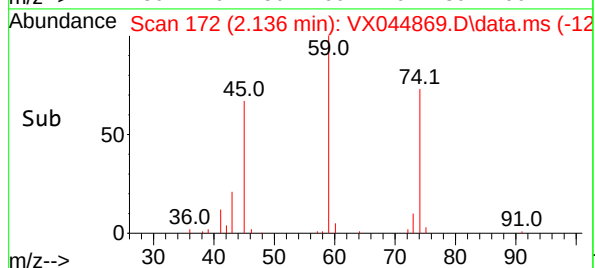
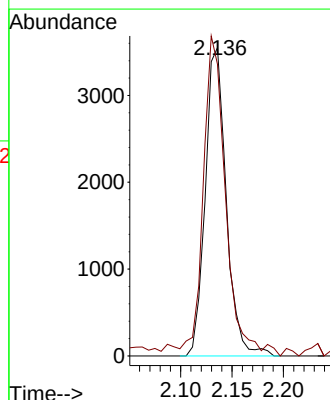
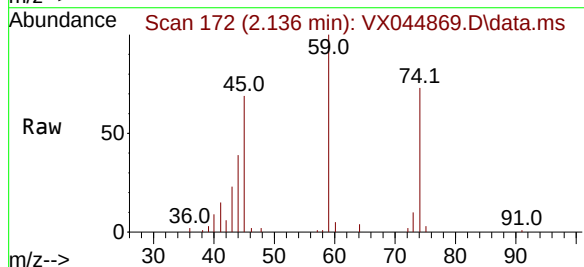
Manual Integrations
APPROVED

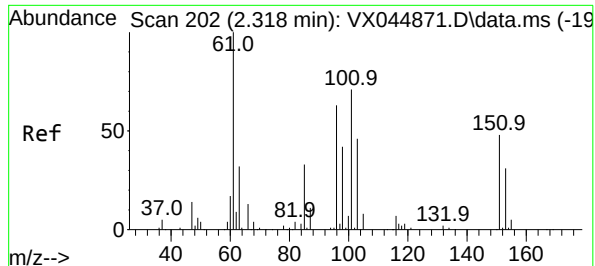
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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 :

VSTDIC005

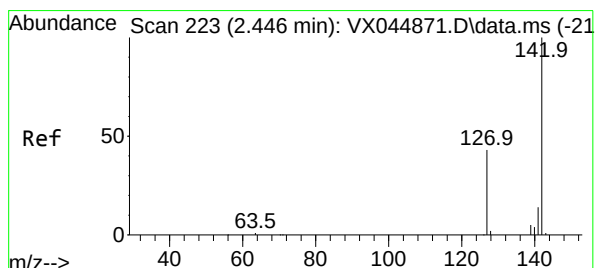
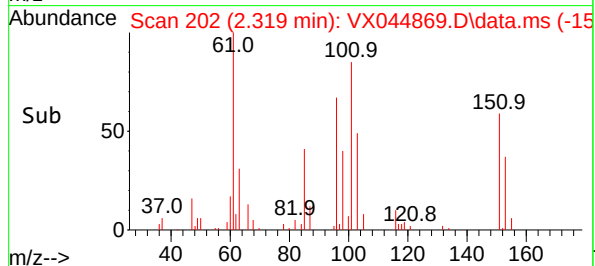
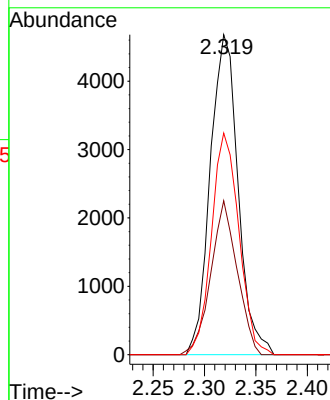
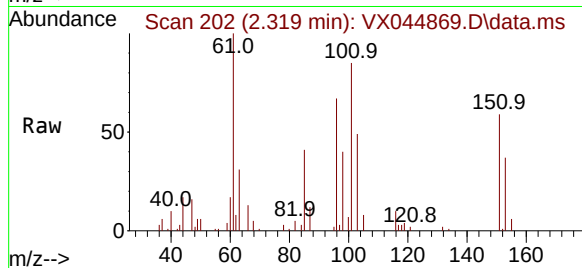
Tgt Ion:	101	Resp:	880
Ion	Ratio	Lower	Upper
101	100		
85	45.5	35.7	53.5
151	68.3	56.0	84.0

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

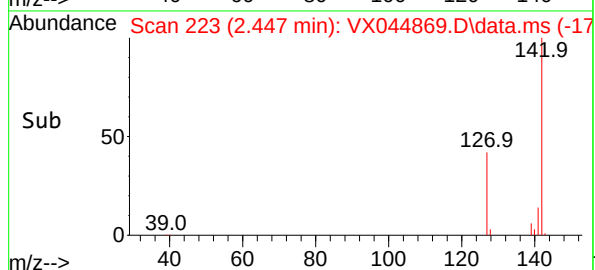
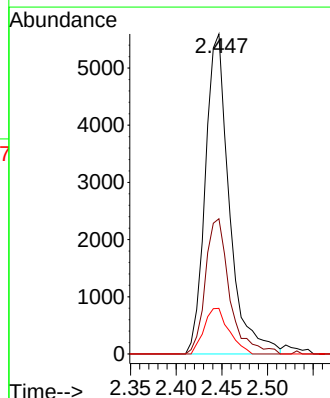
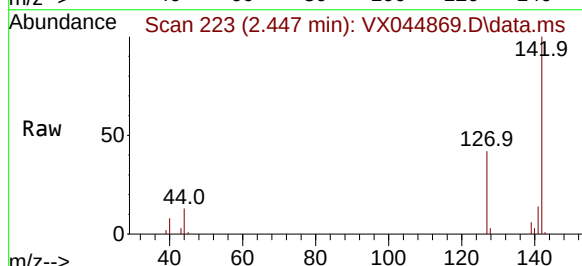
RT: 2.447 min Scan# 223

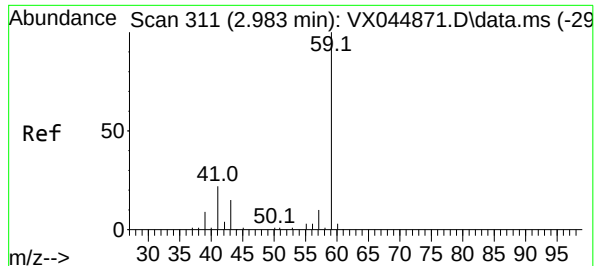
Delta R.T. 0.000 min

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 :

VSTDIC005

Tgt Ion: 59 Resp: 1004

Ion Ratio Lower Upper

59 100

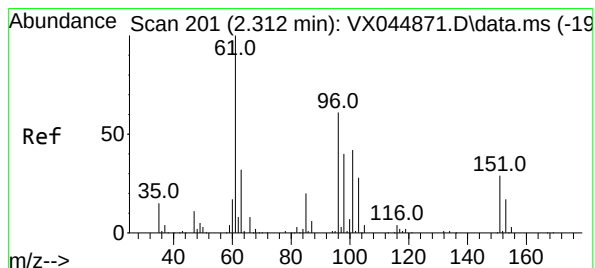
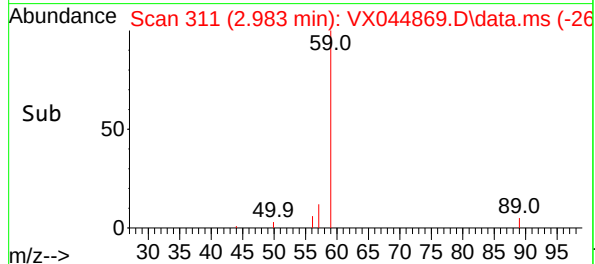
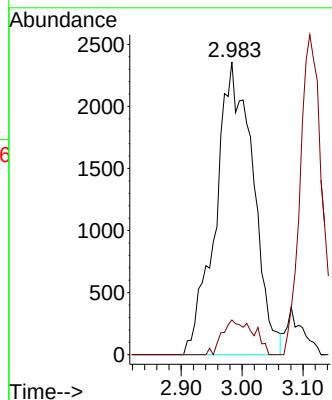
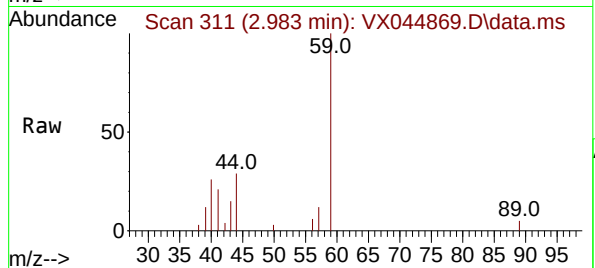
57 9.9 8.1 12.1

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

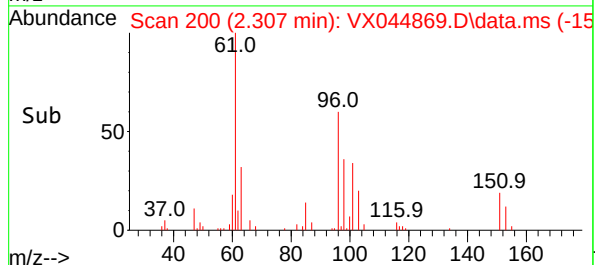
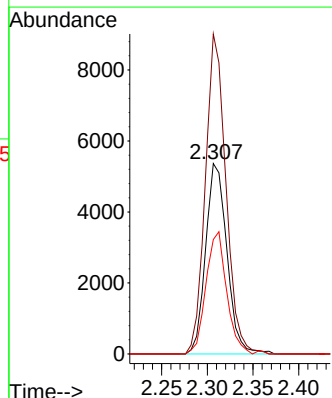
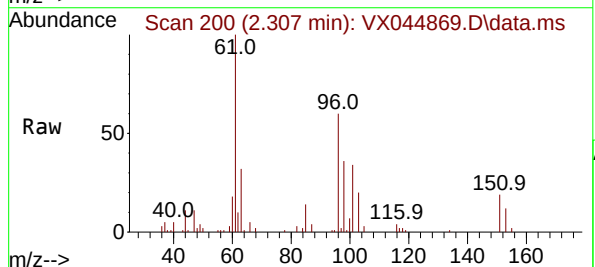
Tgt Ion: 96 Resp: 8692

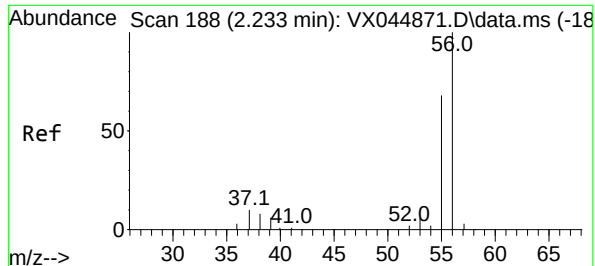
Ion Ratio Lower Upper

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

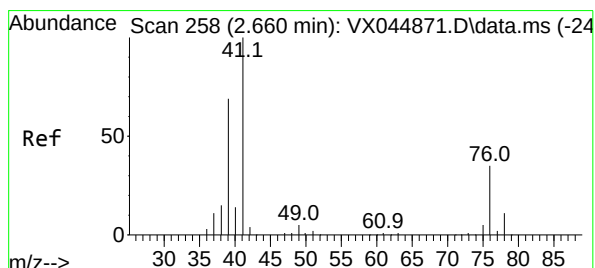
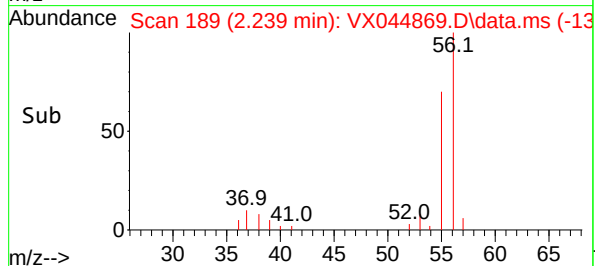
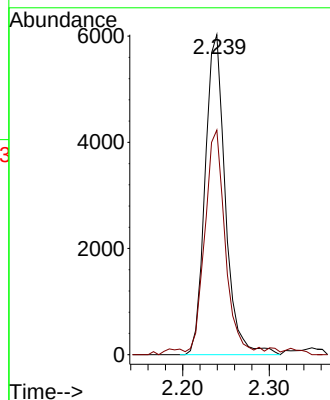
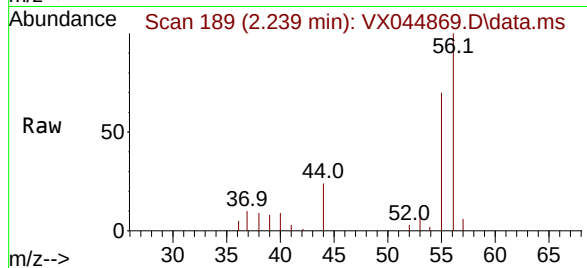
55 71.6 55.7 83.5

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

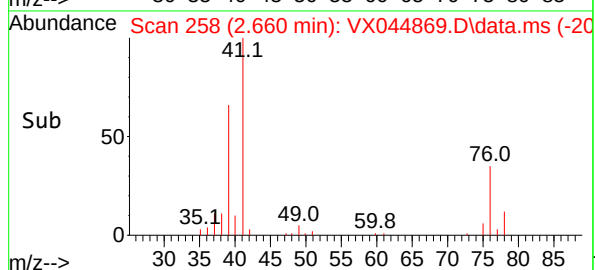
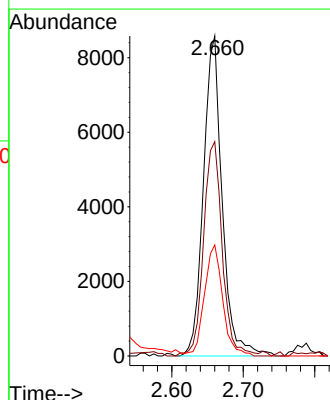
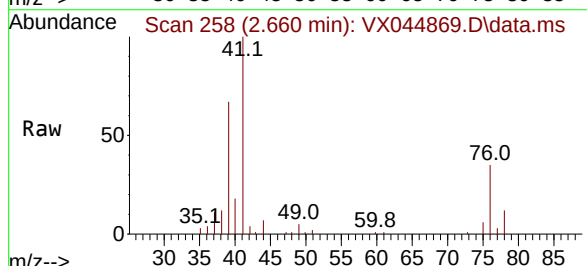
Tgt Ion: 41 Resp: 15649

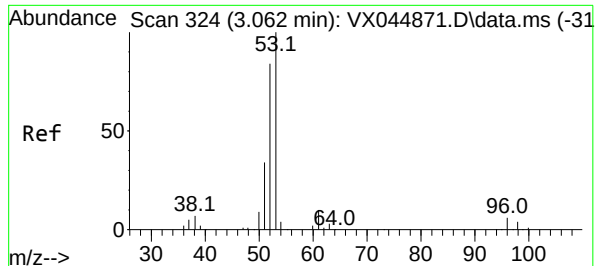
Ion Ratio Lower Upper

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 :

VSTDICC005

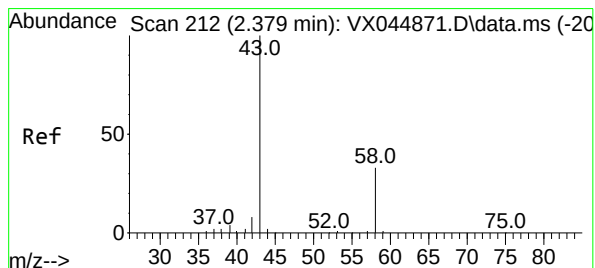
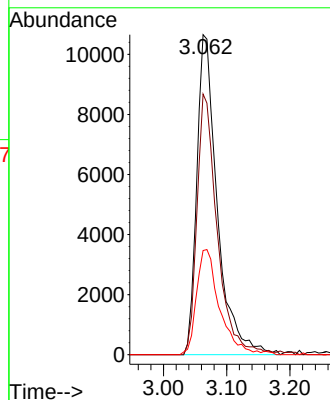
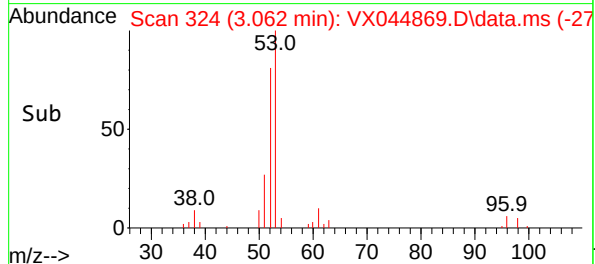
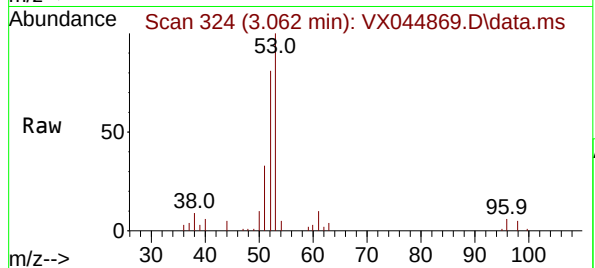
Tgt Ion:	53	Resp:	2410
Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.0	97.6
51	36.6	28.0	42.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#16

Acetone

Concen: 24.817 ug/l

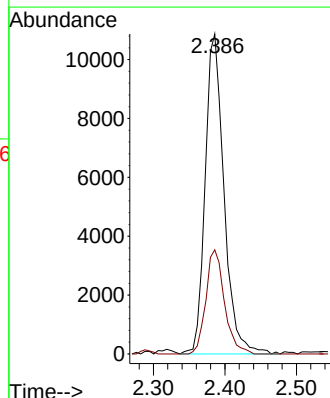
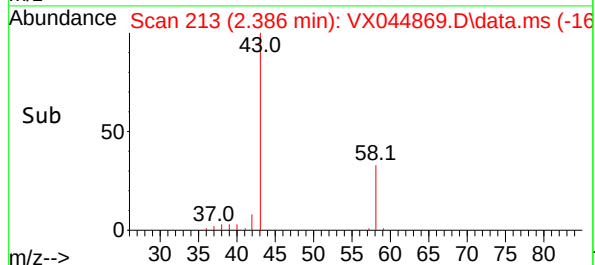
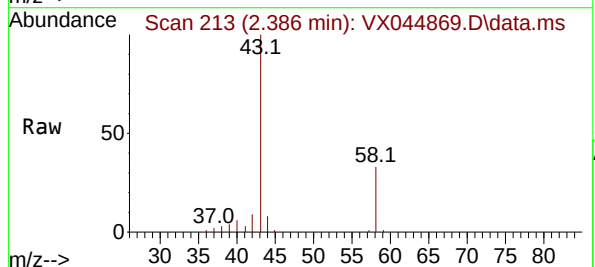
RT: 2.386 min Scan# 213

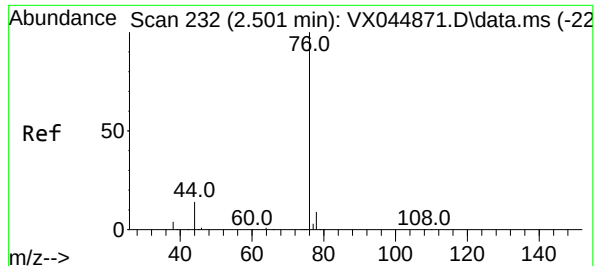
Delta R.T. 0.006 min

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# 232

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 :

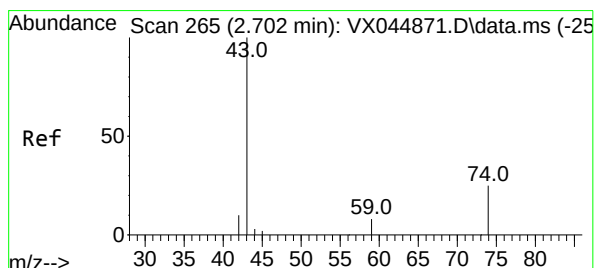
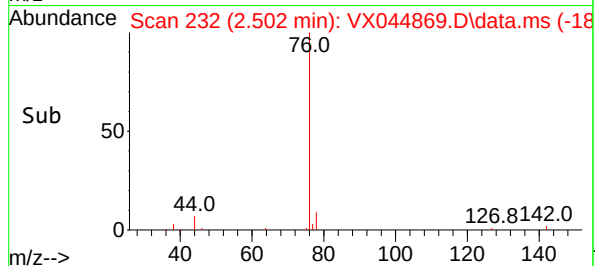
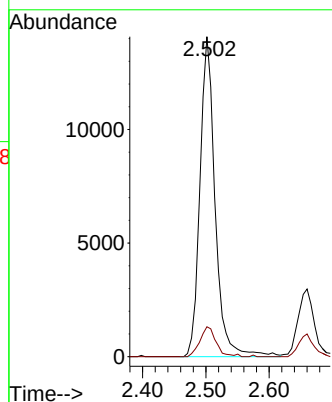
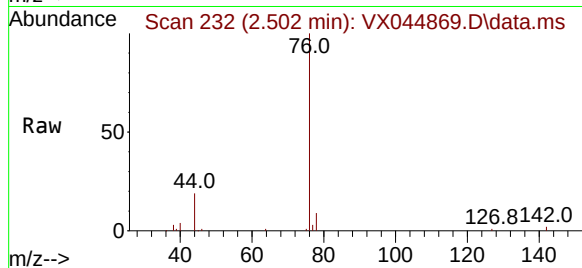
VSTDIC005

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

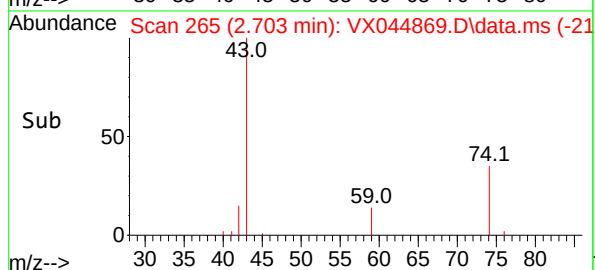
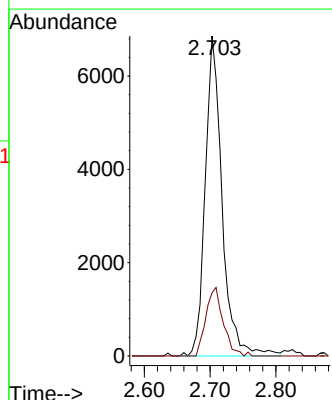
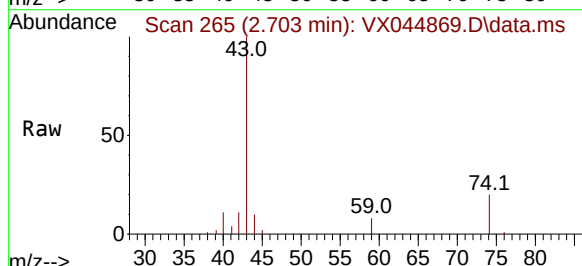
Acq: 10 Feb 2025 10:48

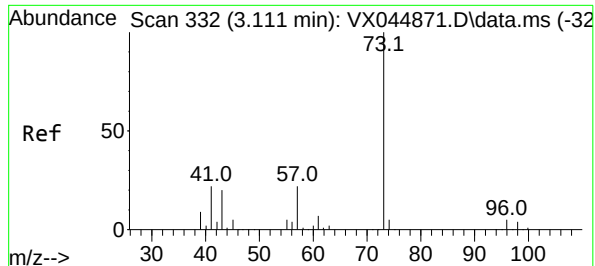
Tgt Ion: 43 Resp: 12257

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# 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

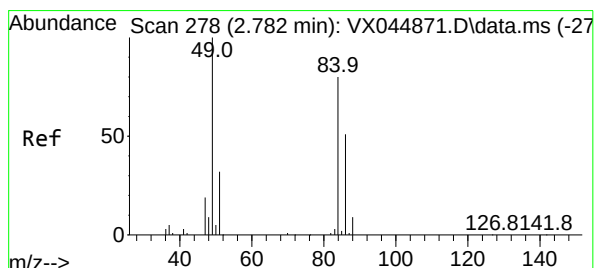
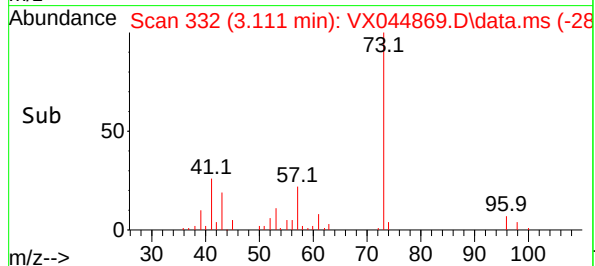
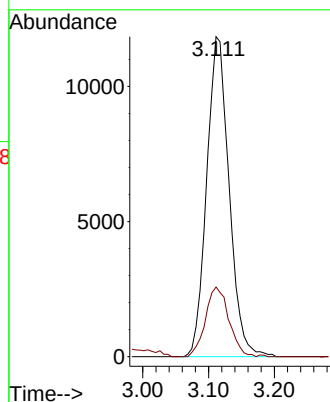
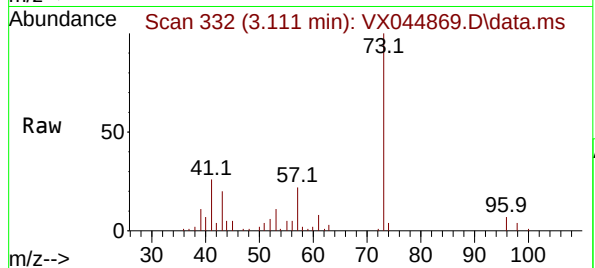
57 21.8 17.9 26.9

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

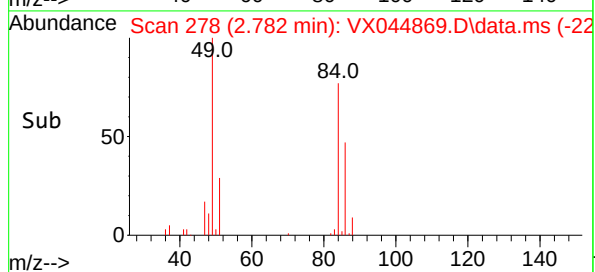
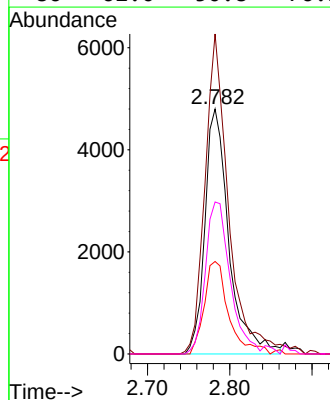
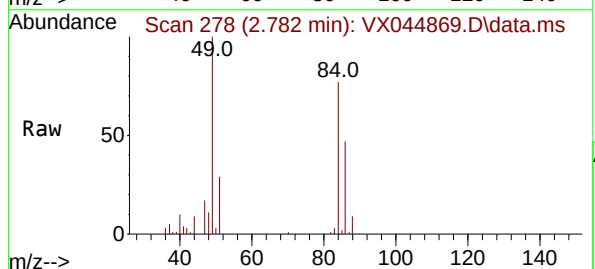
Ion Ratio Lower Upper

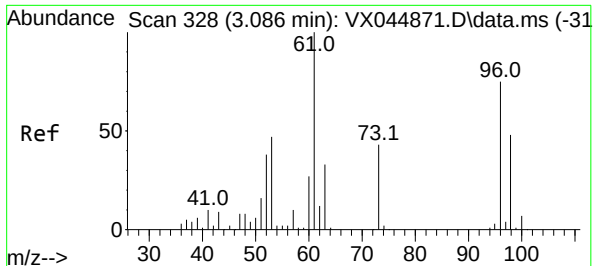
84 100

49 130.7 100.1 150.1

51 37.7 31.7 47.5

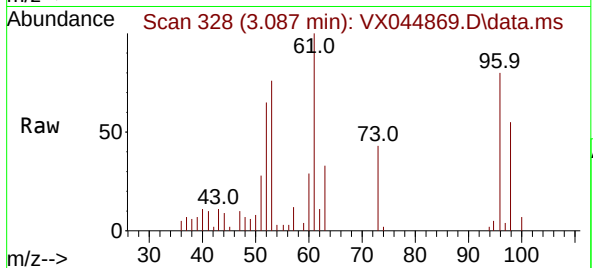
86 62.0 50.8 76.2





#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

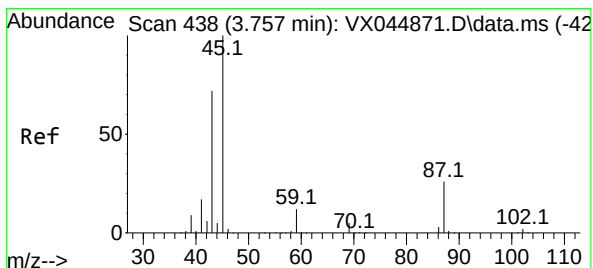
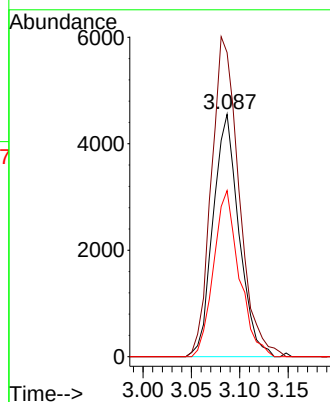
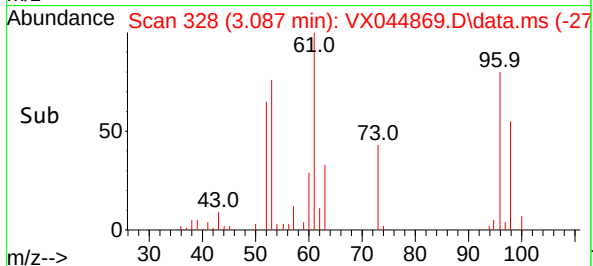
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



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

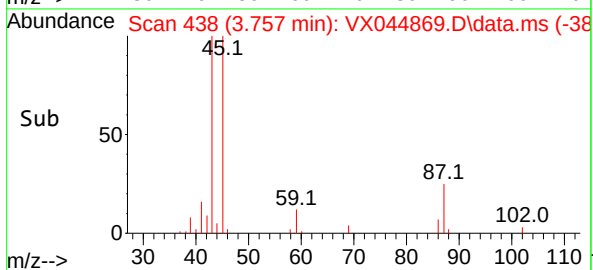
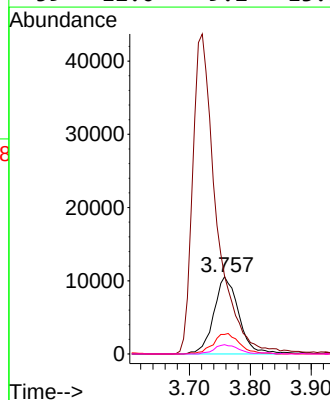
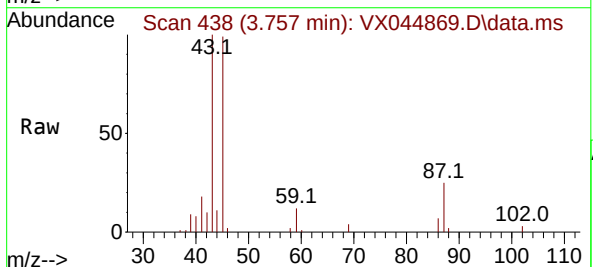
Manual Integrations
APPROVED

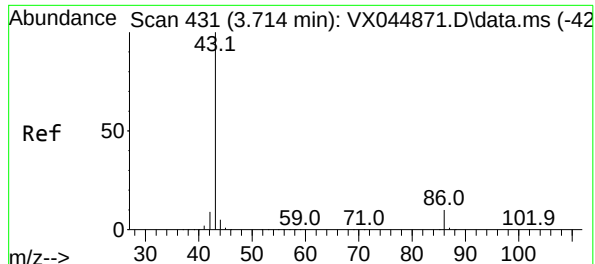
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





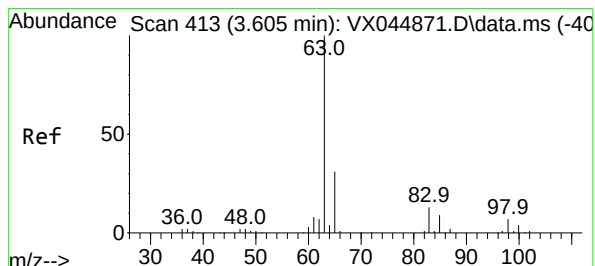
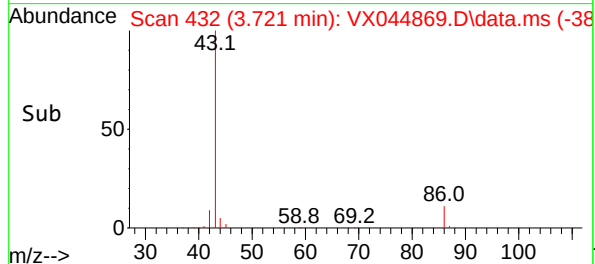
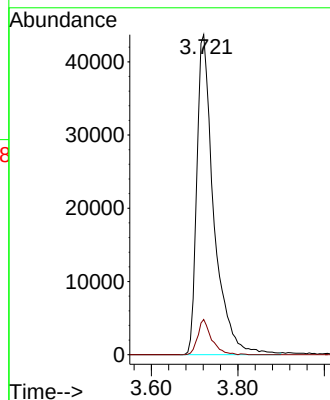
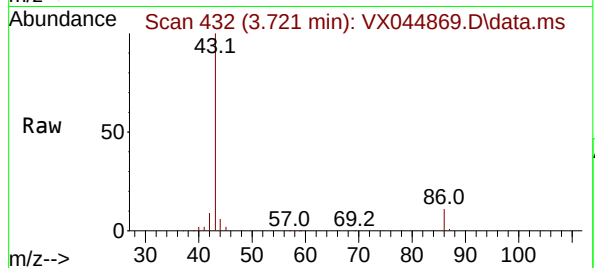
#23
Vinyl Acetate
Concen: 24.358 ug/l
RT: 3.721 min Scan# 411
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

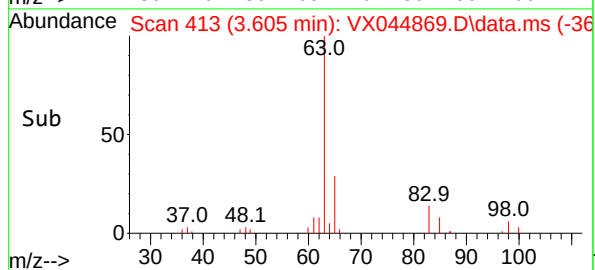
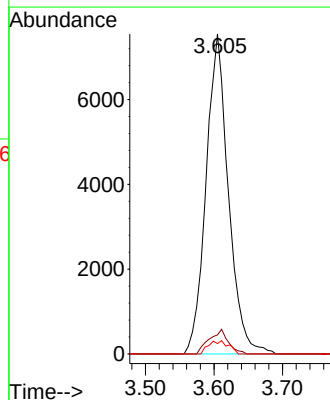
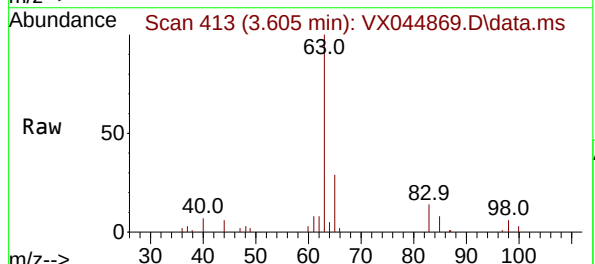
Manual Integrations
APPROVED

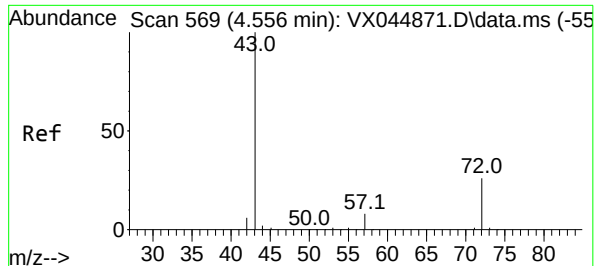
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





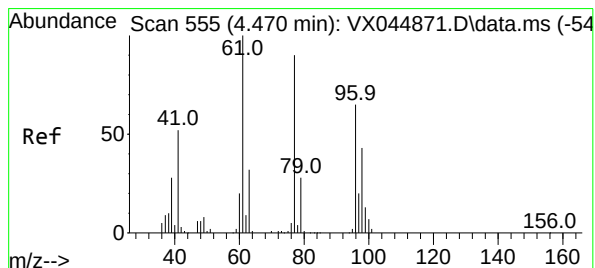
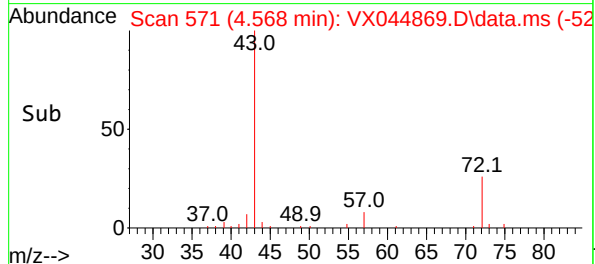
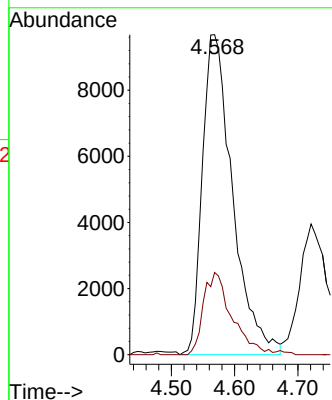
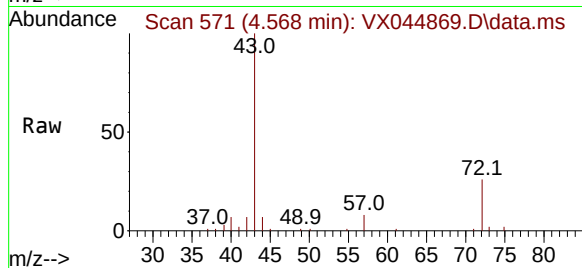
#25
2-Butanone
Concen: 24.698 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 3212
Ion Ratio Lower Upper
43 100
72 25.7 21.2 31.8

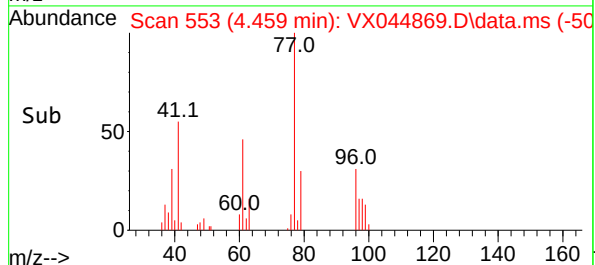
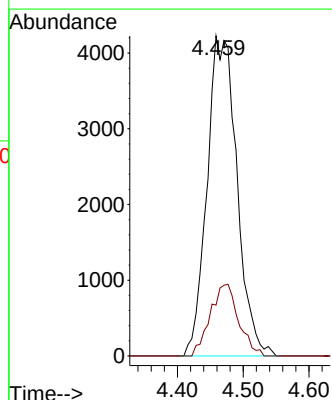
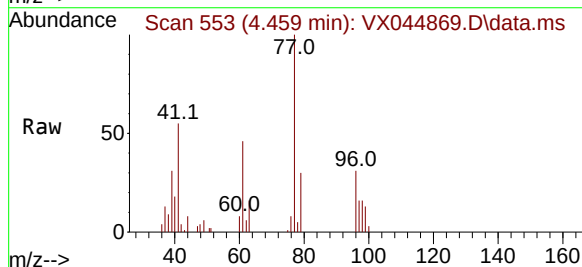
Manual Integrations
APPROVED

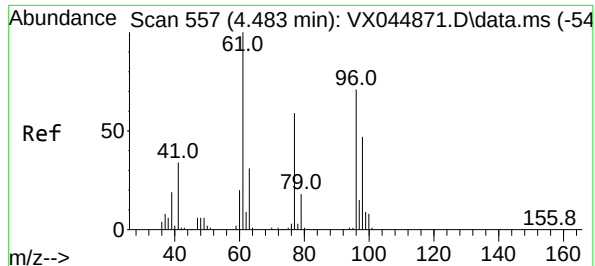
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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 :

VSTDIC005

Tgt Ion: 96 Resp: 1066

Ion Ratio Lower Upper

96 100

61 140.8 0.0 294.0

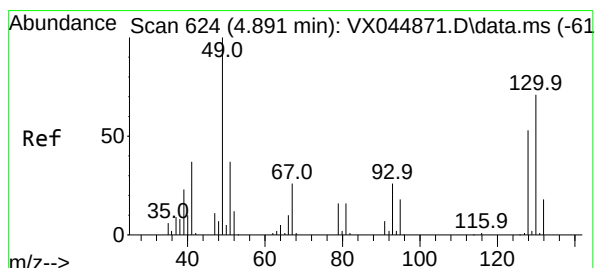
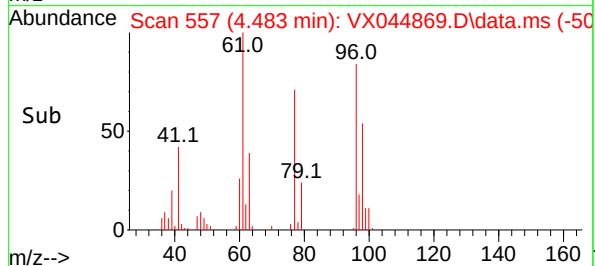
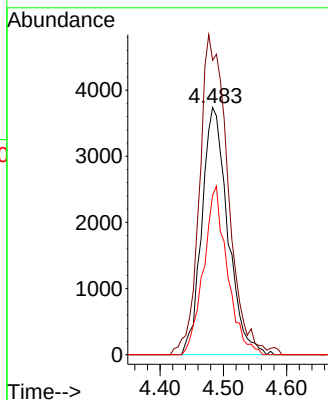
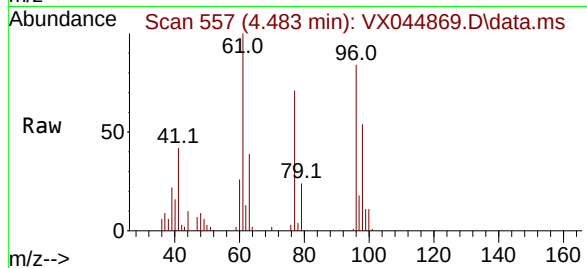
98 62.4 0.0 131.2

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

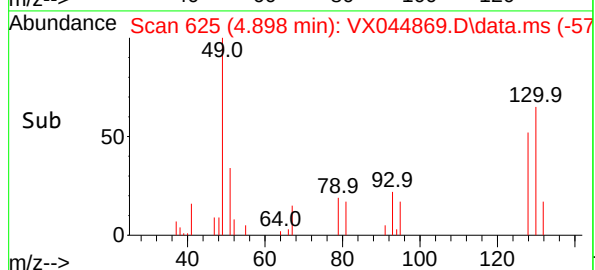
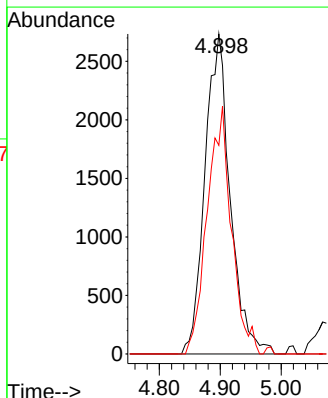
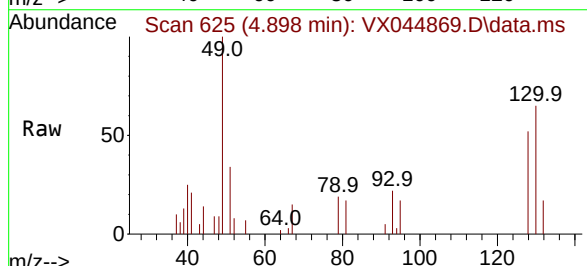
Tgt Ion: 49 Resp: 7881

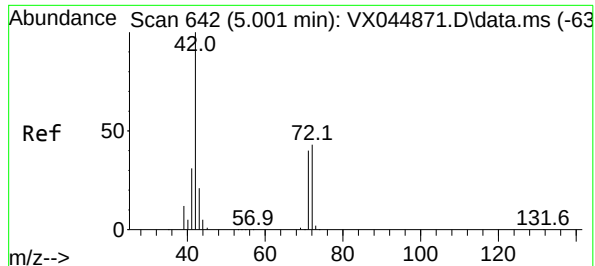
Ion Ratio Lower Upper

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# 64

Delta R.T. 0.013 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

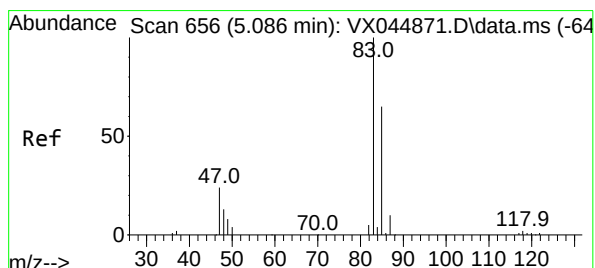
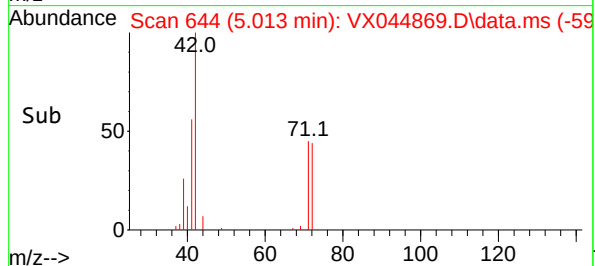
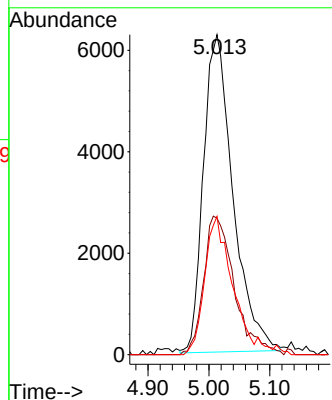
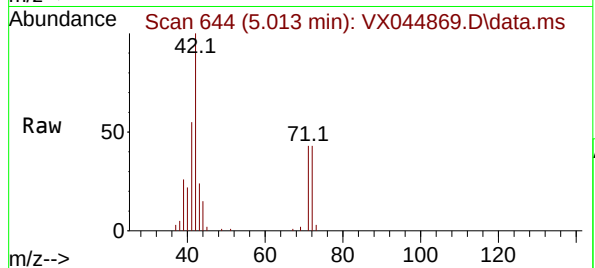
Tgt Ion:	42	Resp:	2109
Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.0	52.4
71	41.6	32.6	48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 5.054 ug/l

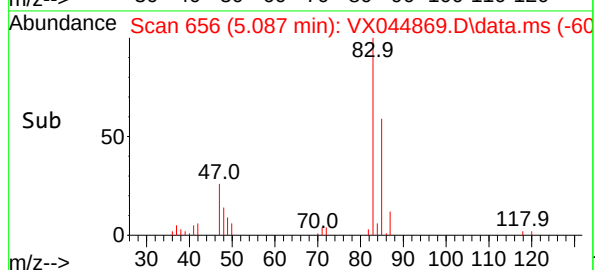
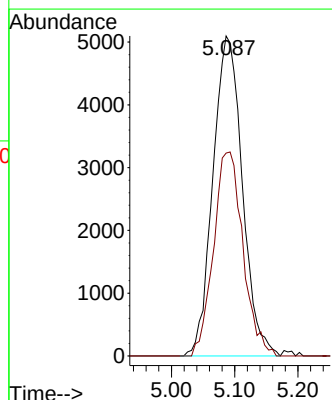
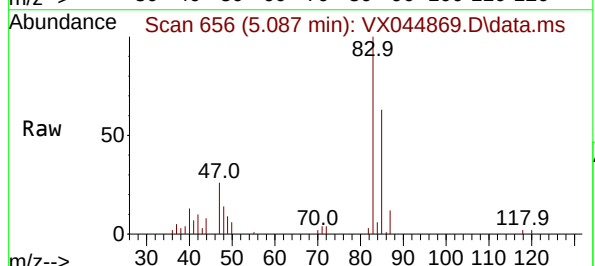
RT: 5.087 min Scan# 656

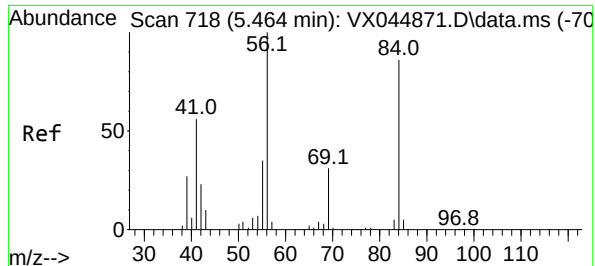
Delta R.T. 0.000 min

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





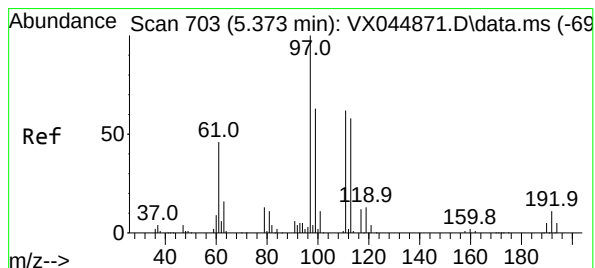
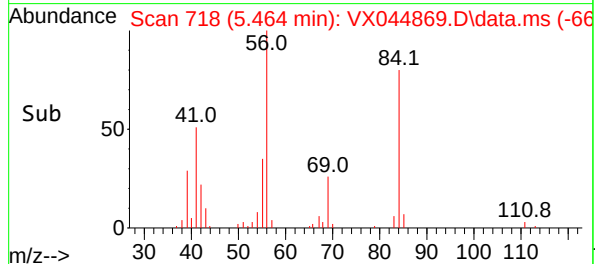
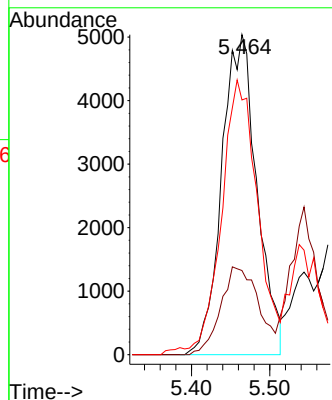
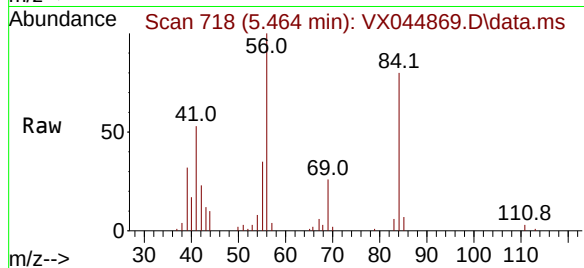
#31
Cyclohexane
Concen: 5.076 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

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

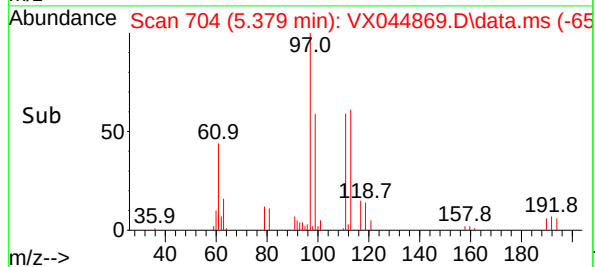
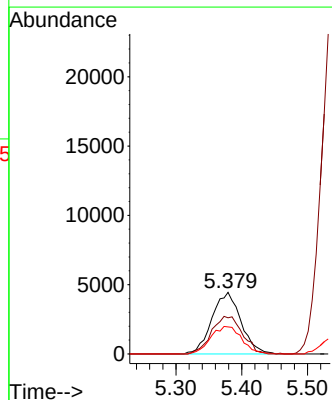
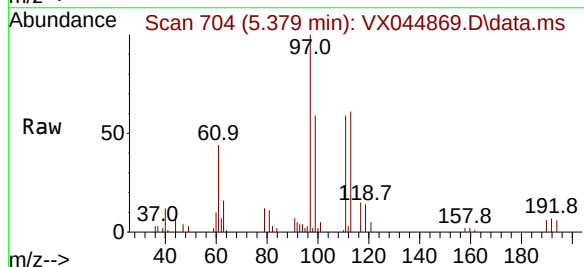
Manual Integrations
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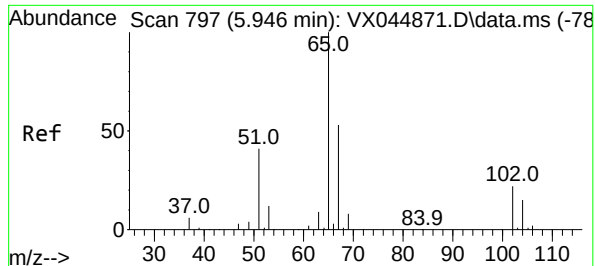
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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 :

VSTDIC005

Tgt Ion: 65 Resp: 1039

Ion Ratio Lower Upper

65 100

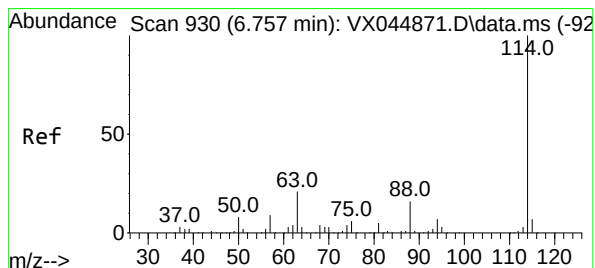
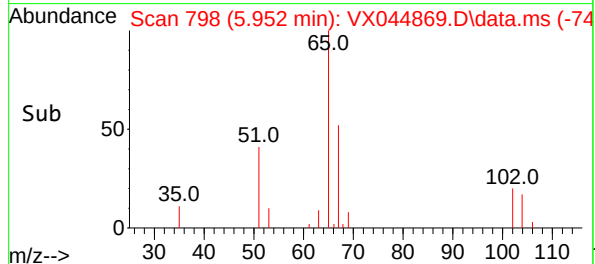
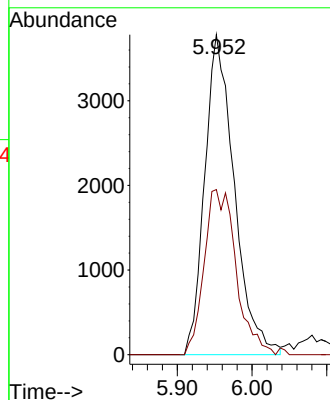
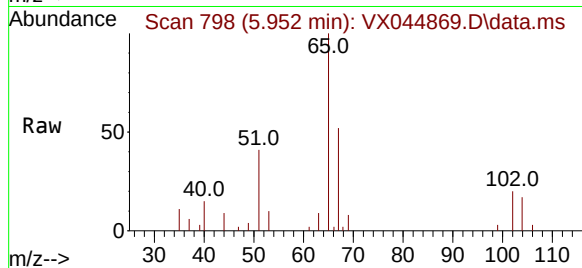
67 55.6 0.0 108.2

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

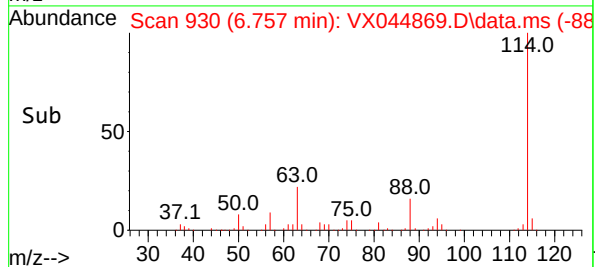
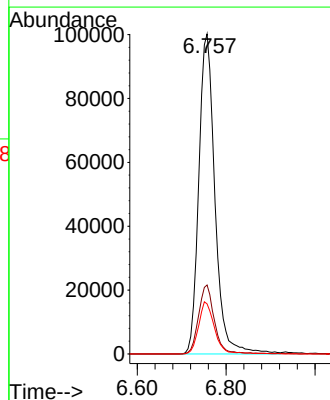
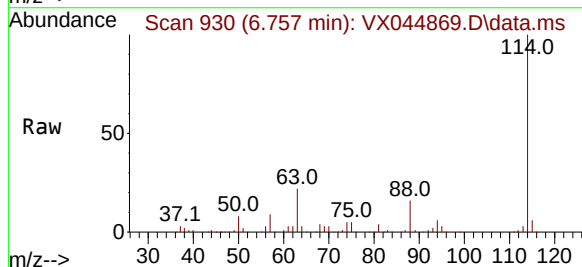
Tgt Ion:114 Resp: 253314

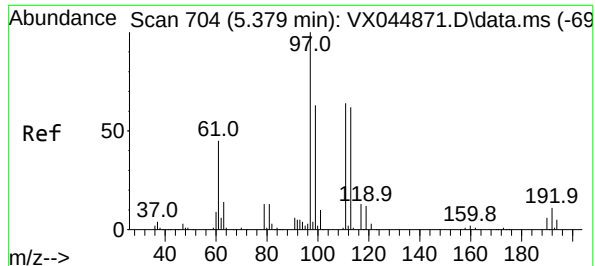
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.4

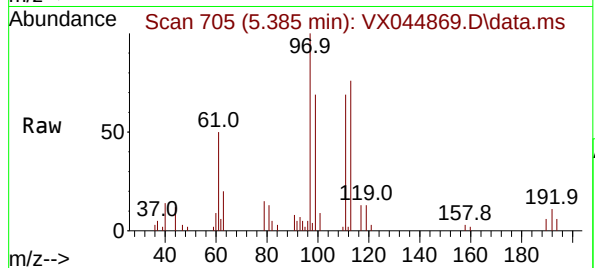
88 15.6 0.0 31.4





#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

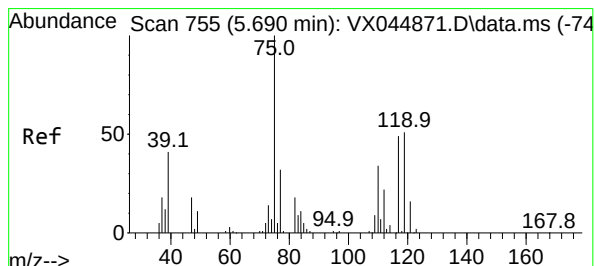
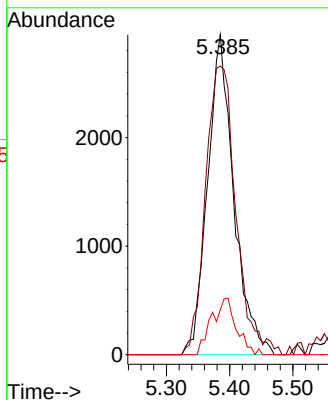
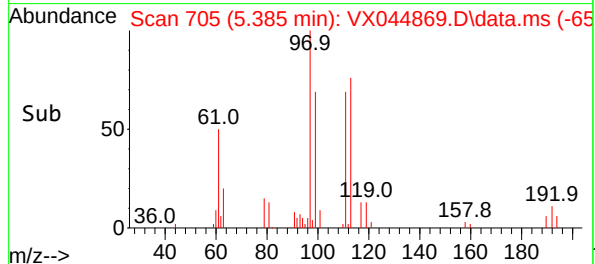
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



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

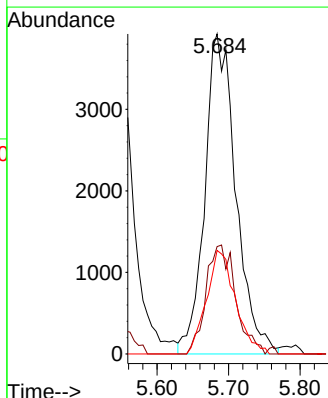
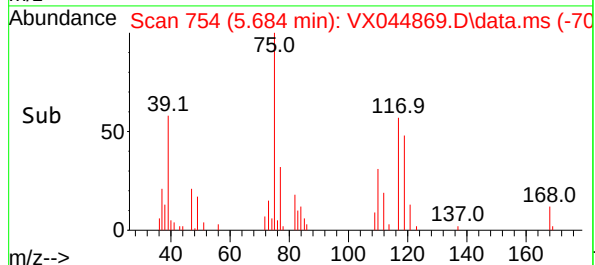
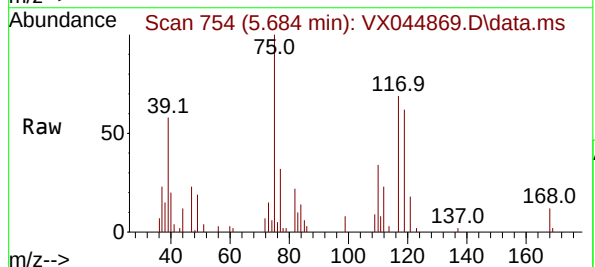
Manual Integrations
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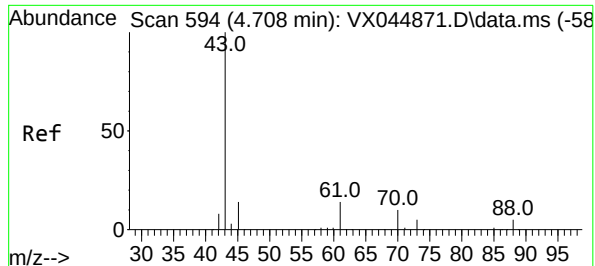
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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 :

VSTDIC005

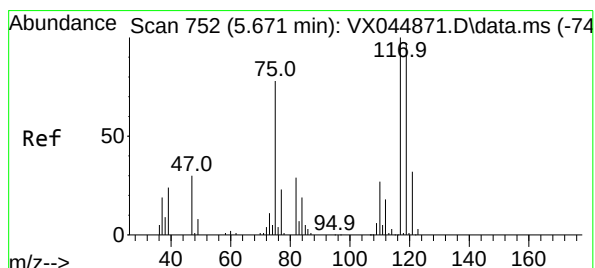
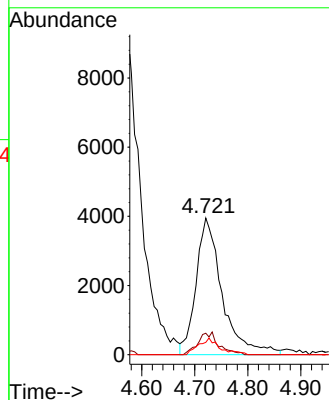
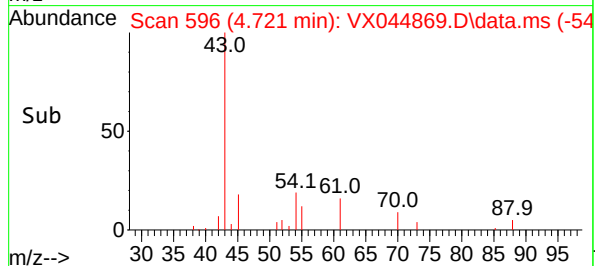
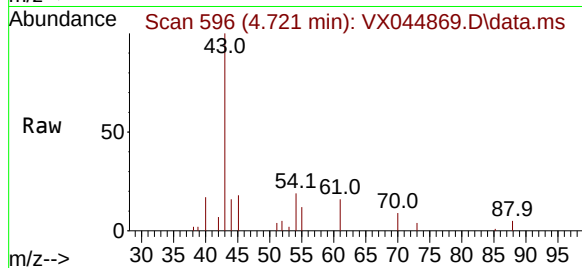
Tgt Ion:	43	Resp:	13530
Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.4
70	9.8	8.2	12.2

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

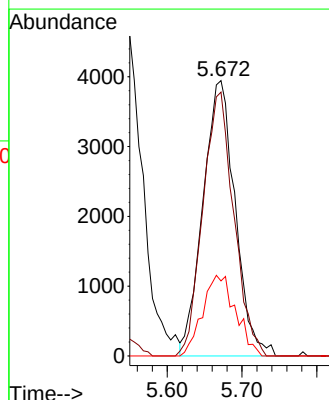
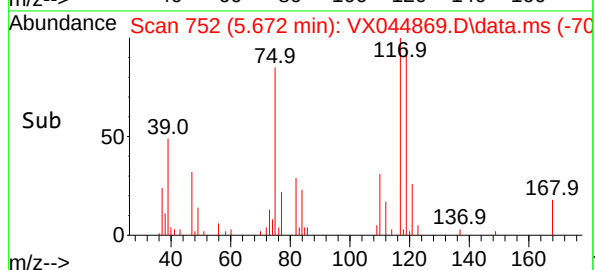
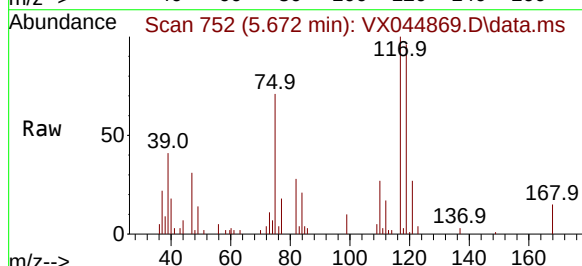
RT: 5.672 min Scan# 752

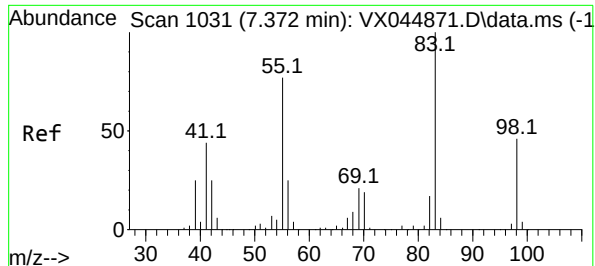
Delta R.T. 0.000 min

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 :

VSTDIC005

Tgt Ion: 83 Resp: 1447

Ion Ratio Lower Upper

83 100

55 81.7 61.3 91.9

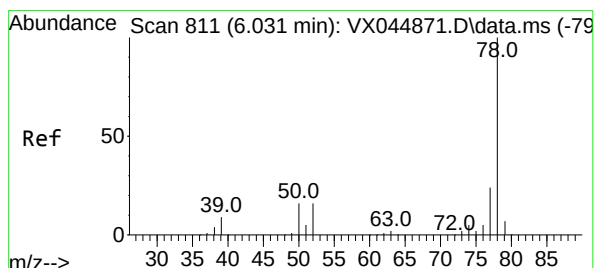
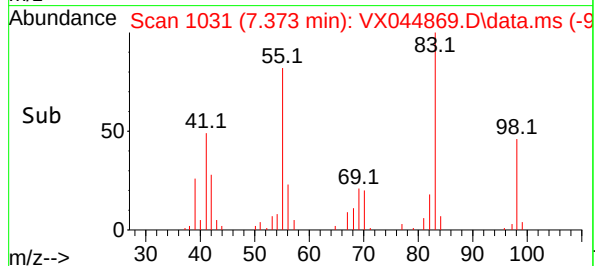
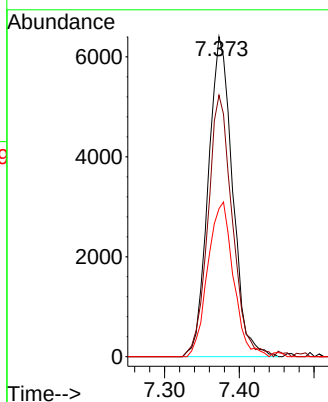
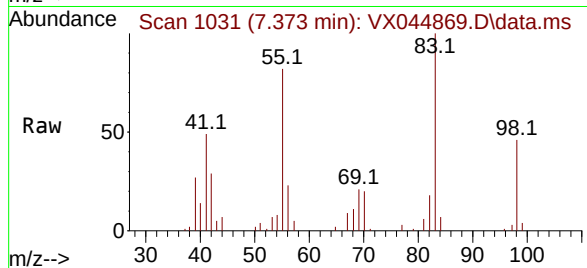
98 46.3 37.0 55.6

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

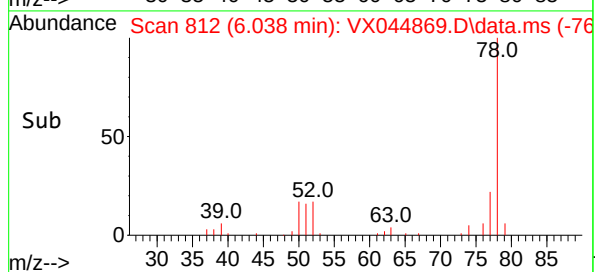
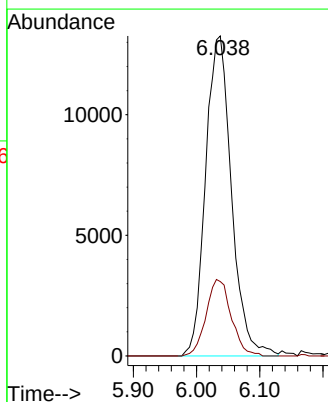
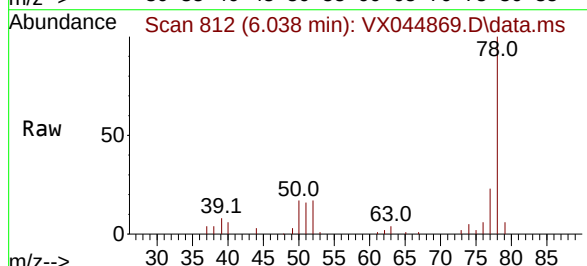
Acq: 10 Feb 2025 10:48

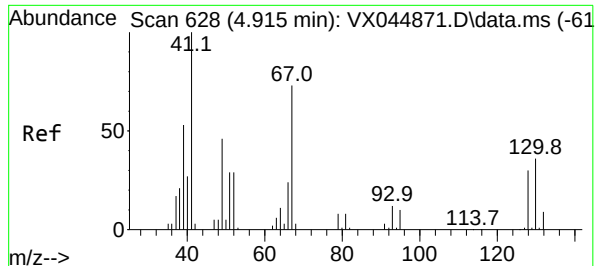
Tgt Ion: 78 Resp: 37687

Ion Ratio Lower Upper

78 100

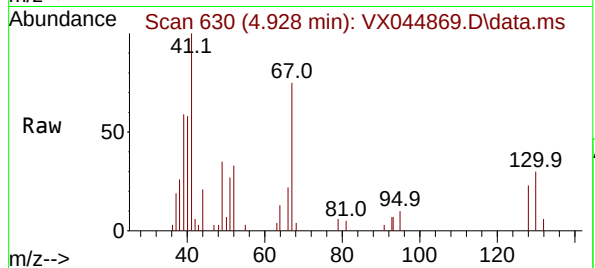
77 23.3 19.0 28.6





#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

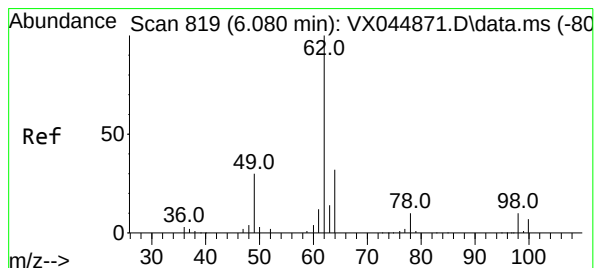
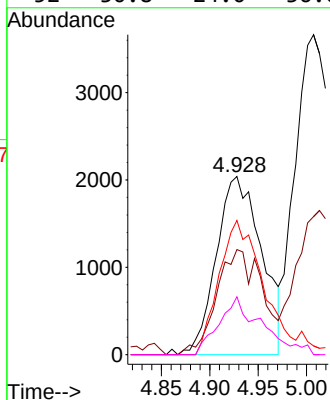
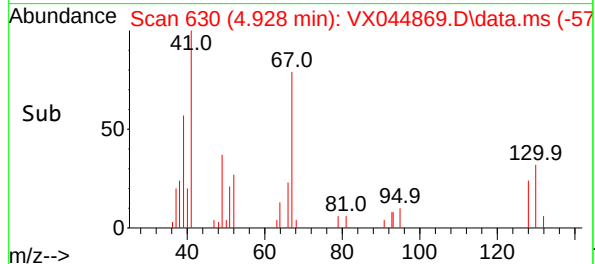
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



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

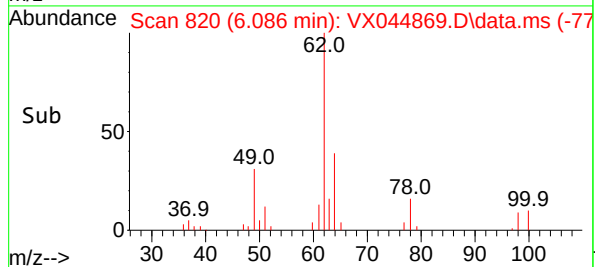
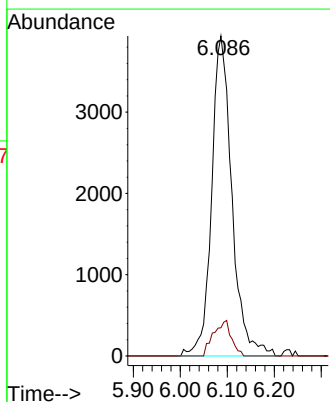
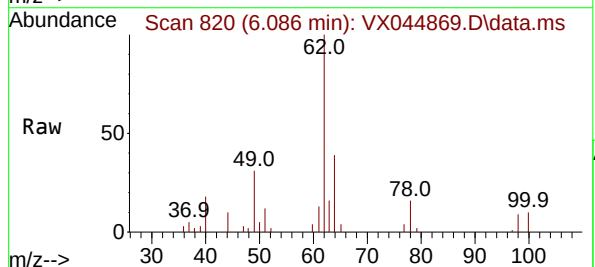
Manual Integrations
APPROVED

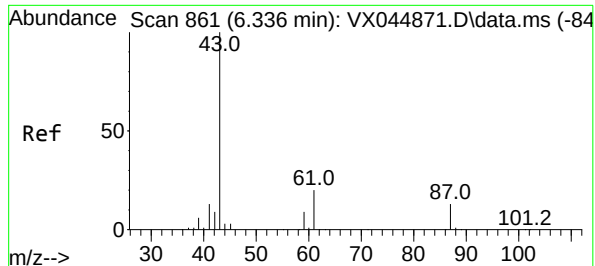
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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# 861

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

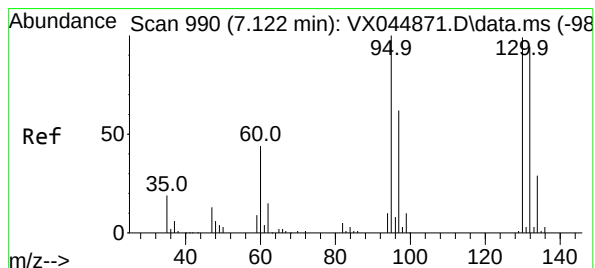
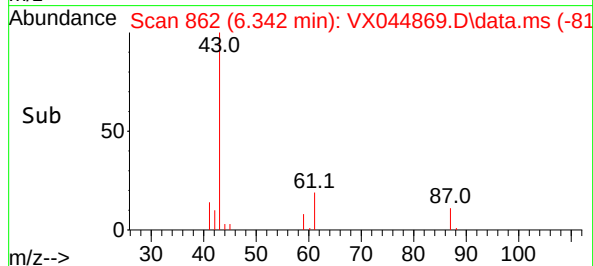
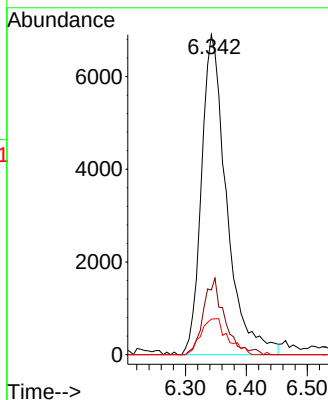
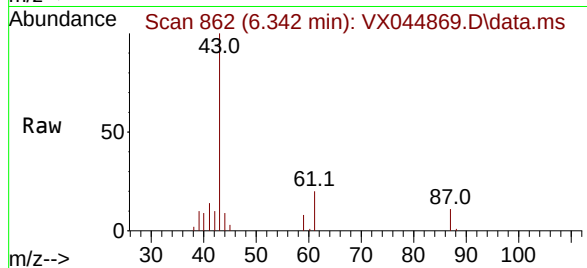
Tgt Ion: 43	Resp: 1980
Ion Ratio	Lower Upper
43	100
61	20.2 15.8 23.8
87	11.9 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#44

Trichloroethene

Concen: 5.079 ug/l

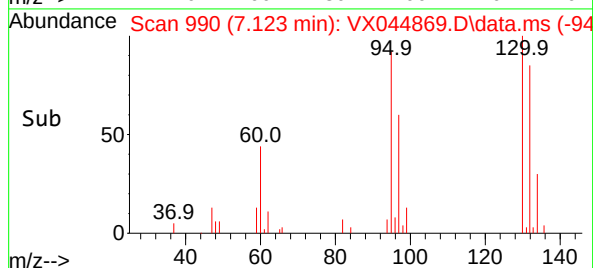
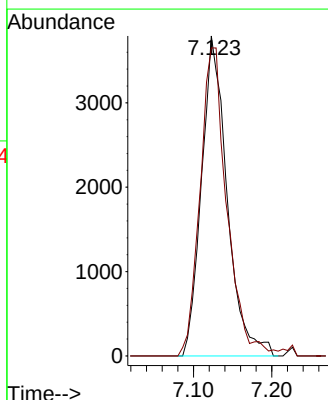
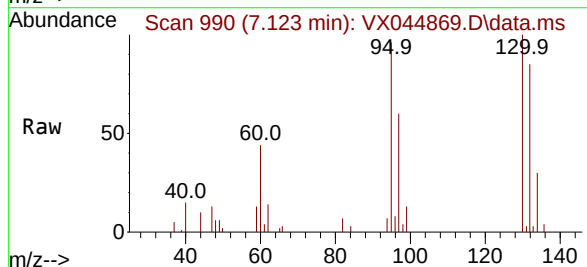
RT: 7.123 min Scan# 990

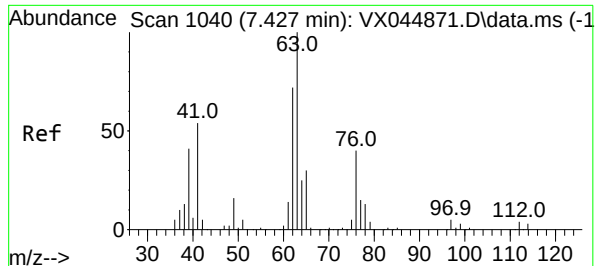
Delta R.T. 0.000 min

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

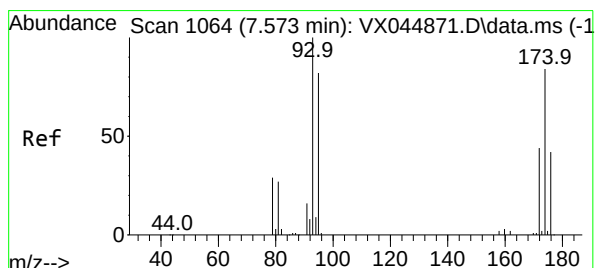
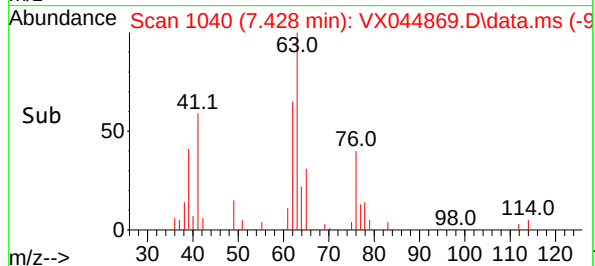
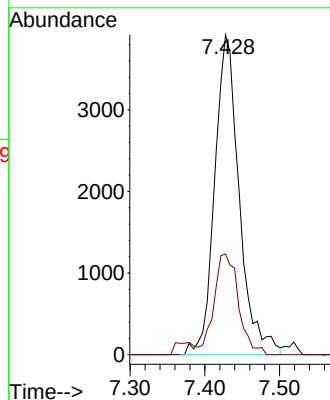
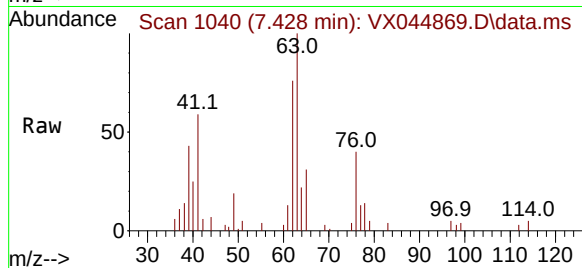
65 31.4 24.2 36.4

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

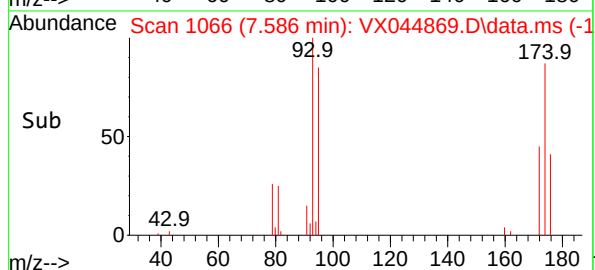
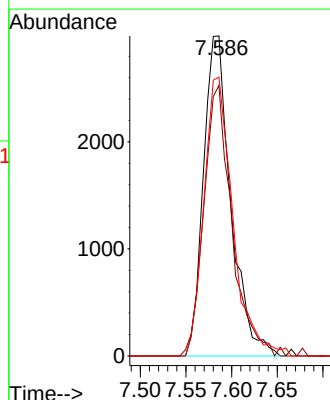
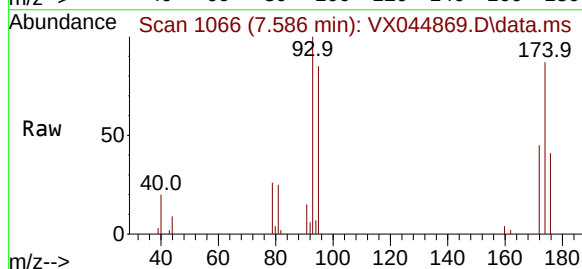
Tgt Ion: 93 Resp: 6210

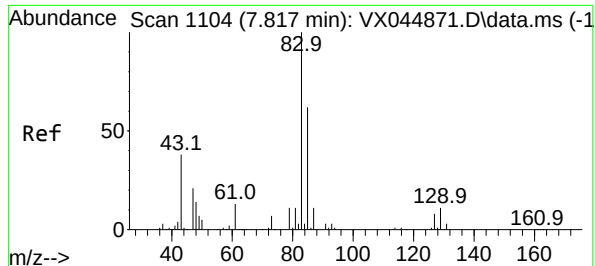
Ion Ratio Lower Upper

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

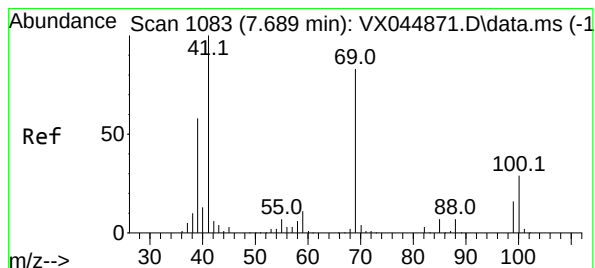
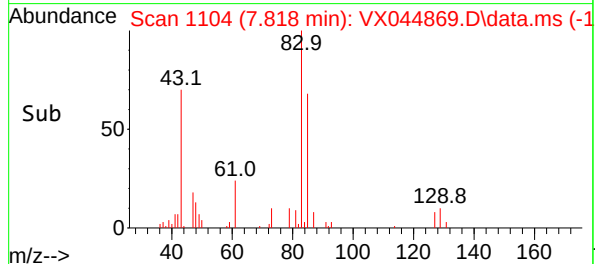
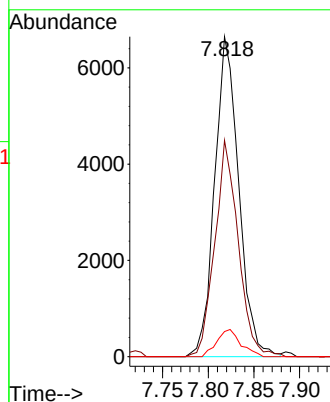
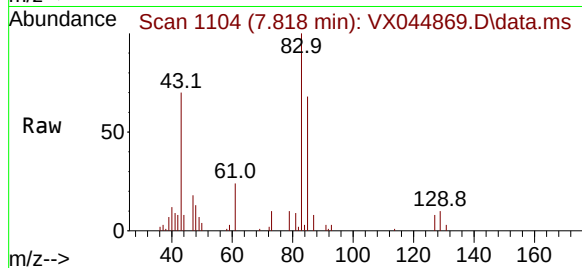
Tgt Ion:	83	Resp:	1217
Ion	Ratio	Lower	Upper
83	100		
85	67.6	50.0	75.0
127	7.8	6.4	9.6

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

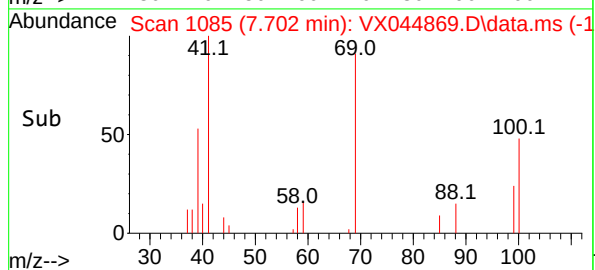
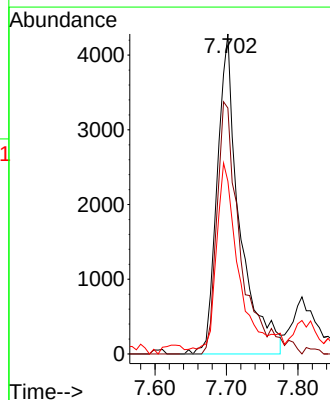
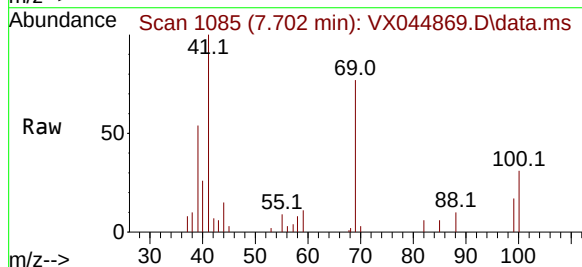
RT: 7.702 min Scan# 1085

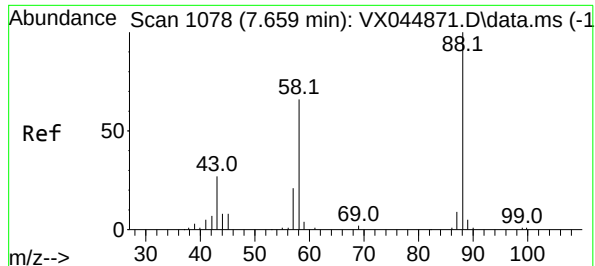
Delta R.T. 0.013 min

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# 1078

Delta R.T. 0.019 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

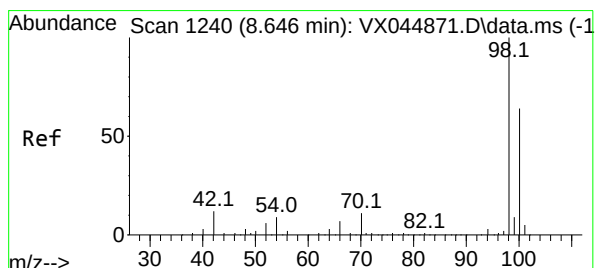
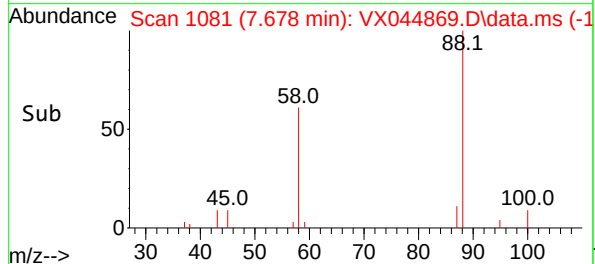
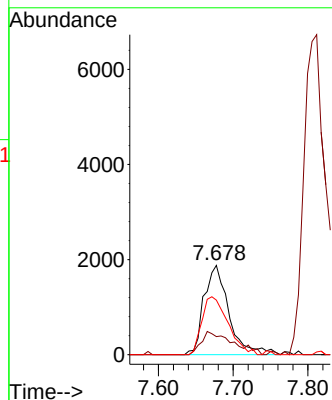
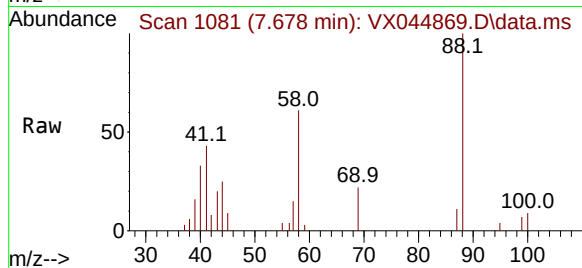
Tgt Ion:	88	Resp:	436
Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.6	39.8
58	67.9	55.9	83.9

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

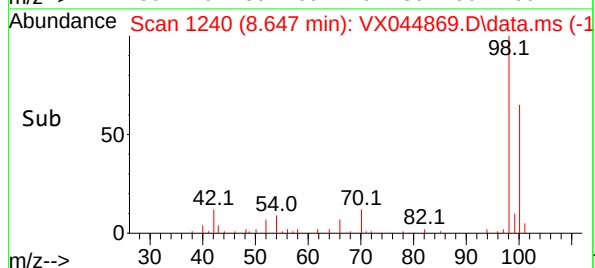
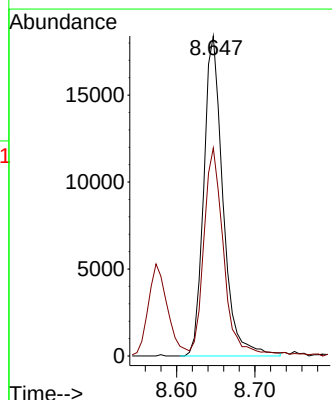
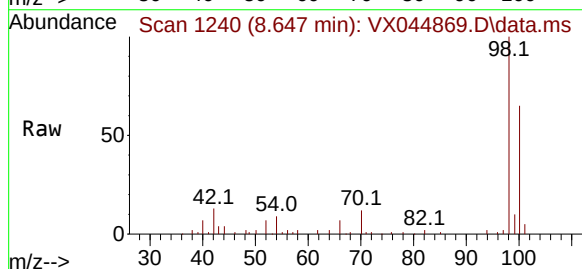
RT: 8.647 min Scan# 1240

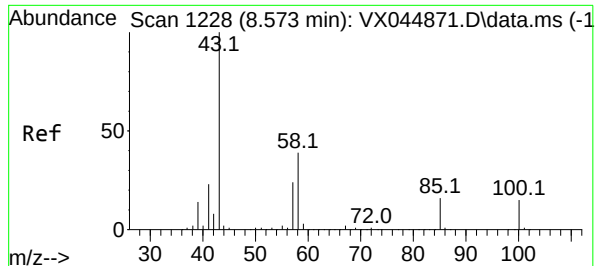
Delta R.T. 0.000 min

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 :

VSTDIC005

Tgt Ion: 43 Resp: 65064

Ion Ratio Lower Upper

43 100

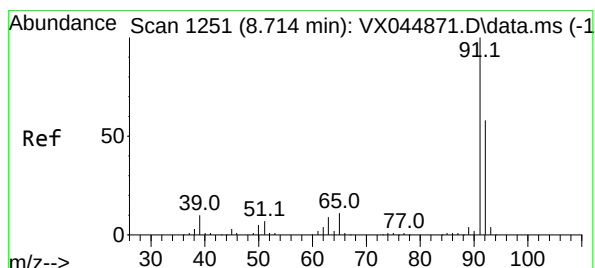
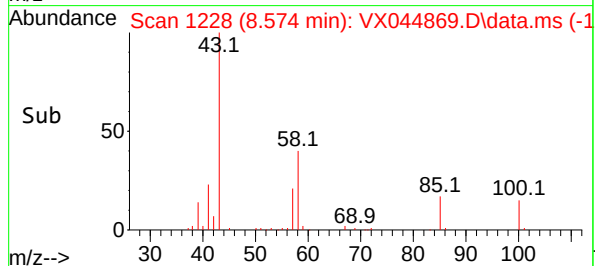
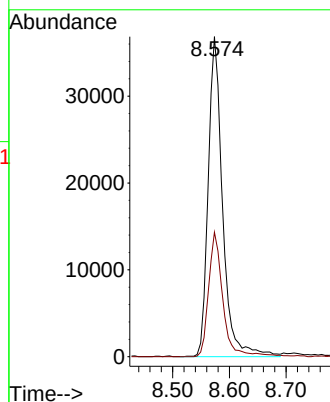
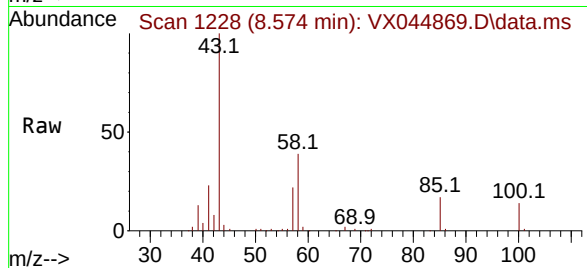
58 38.7 30.8 46.2

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

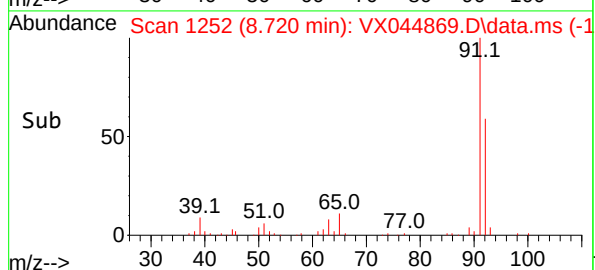
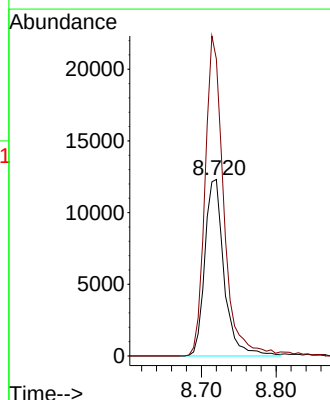
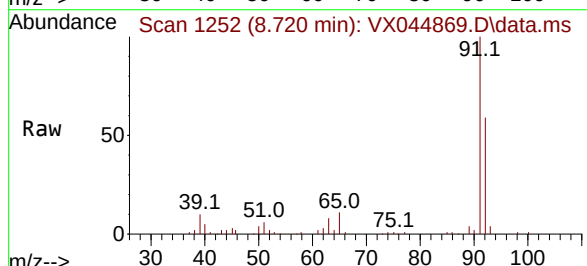
Acq: 10 Feb 2025 10:48

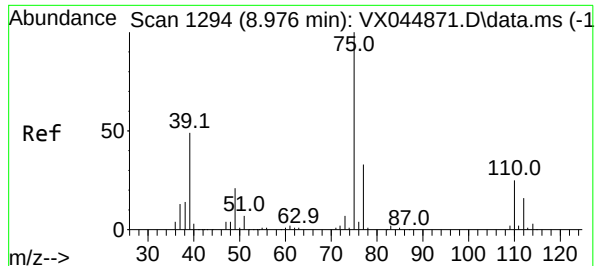
Tgt Ion: 92 Resp: 22090

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

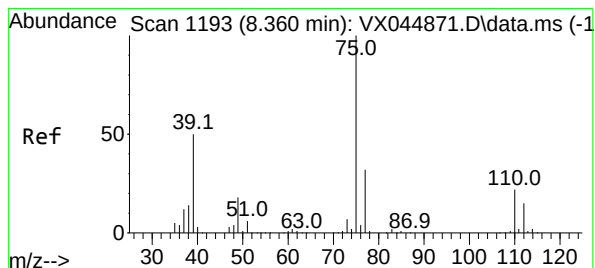
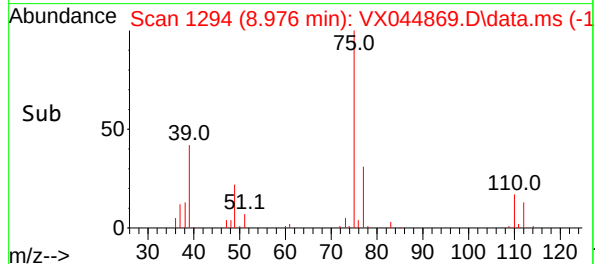
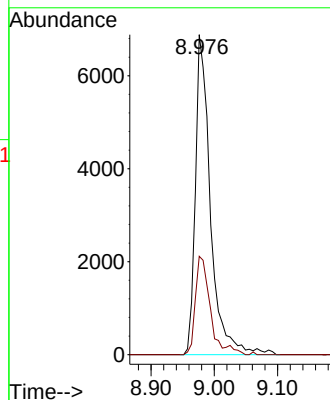
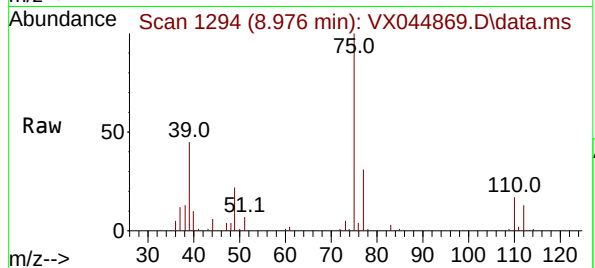
77 30.7 26.0 39.0

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

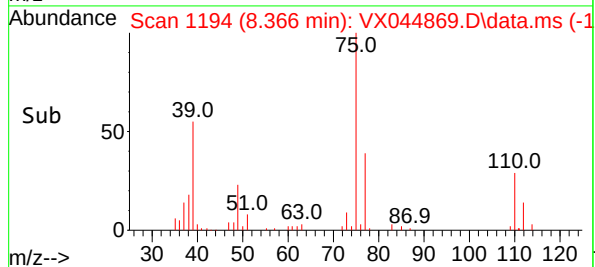
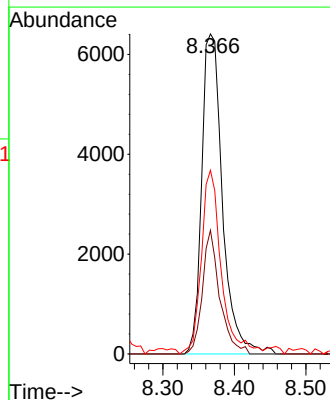
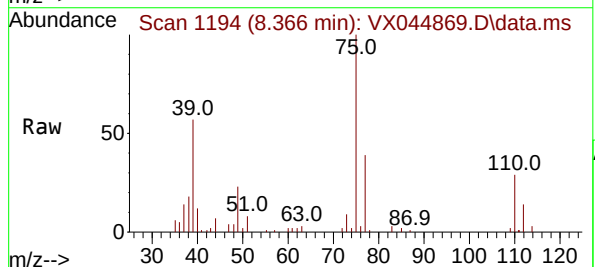
Tgt Ion: 75 Resp: 12943

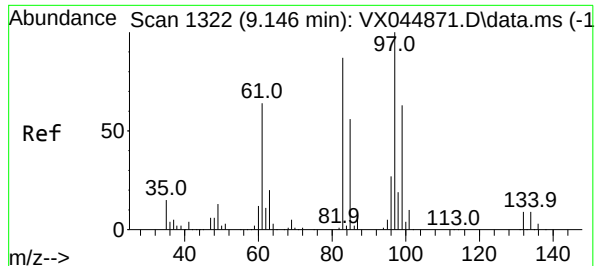
Ion Ratio Lower Upper

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# 1323

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

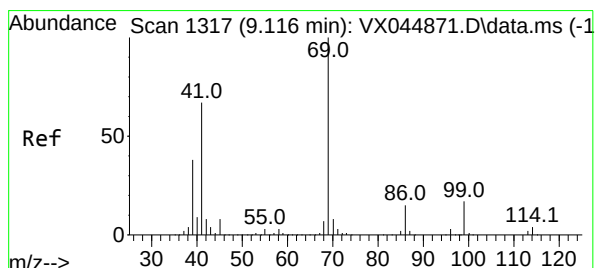
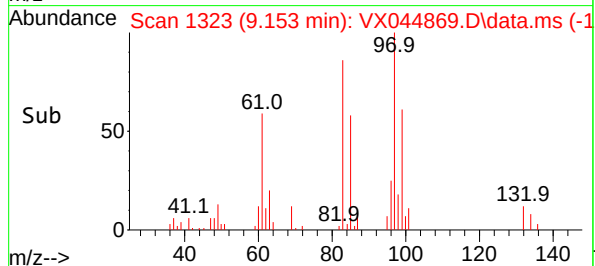
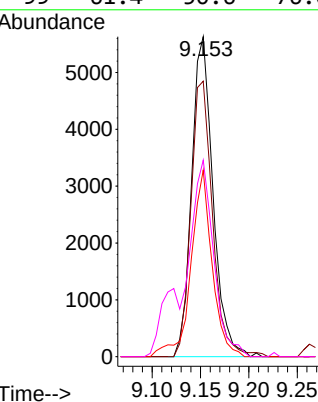
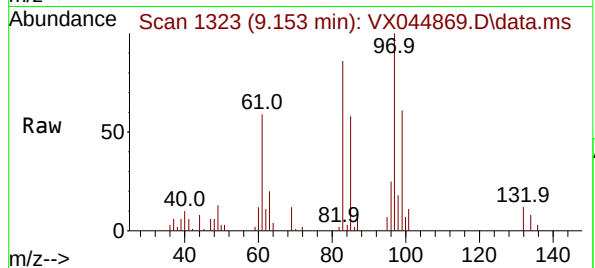
99 61.4 50.6 76.0

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

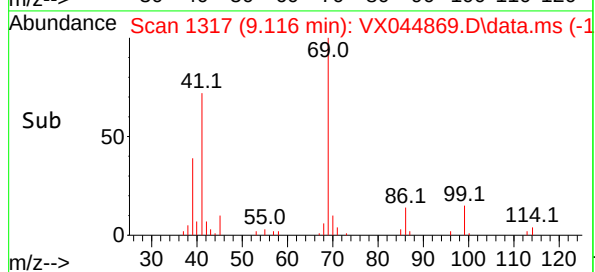
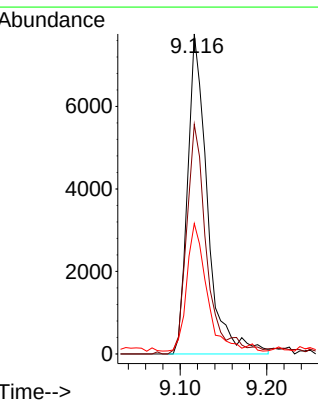
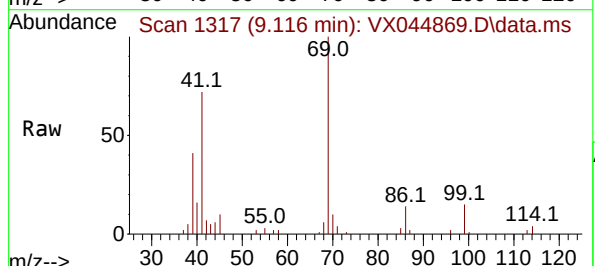
Tgt Ion: 69 Resp: 12351

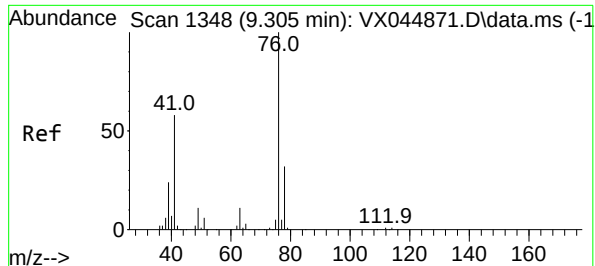
Ion Ratio Lower Upper

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

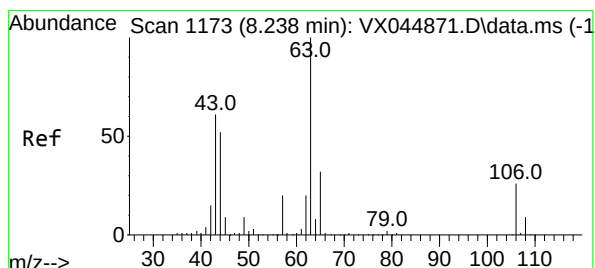
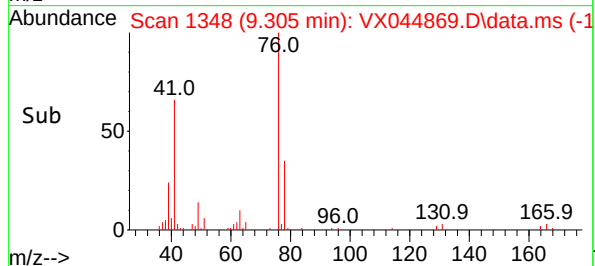
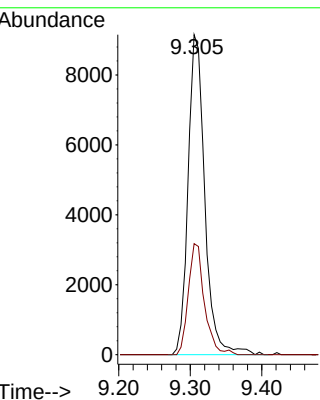
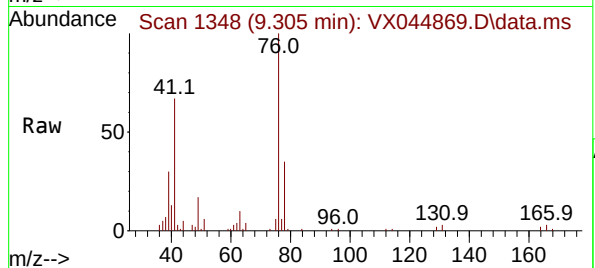
78 33.4 25.8 38.8

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

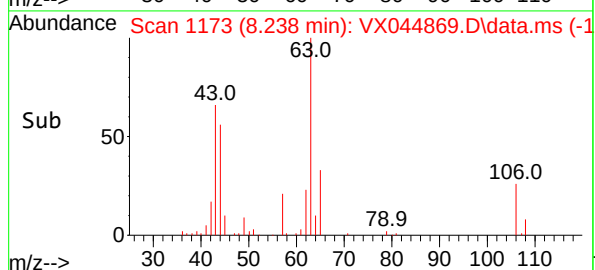
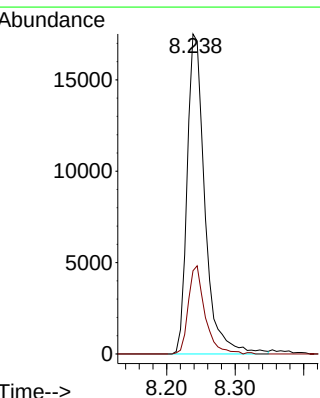
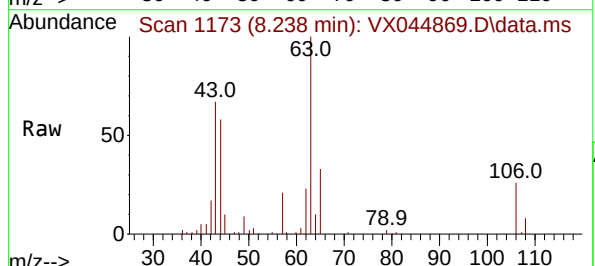
Acq: 10 Feb 2025 10:48

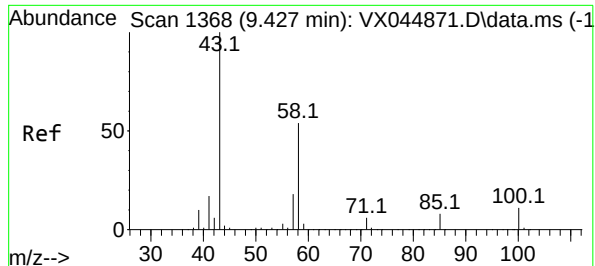
Tgt Ion: 63 Resp: 31498

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

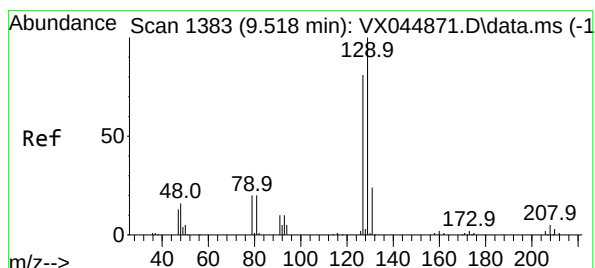
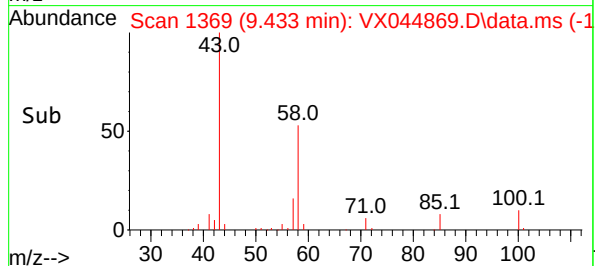
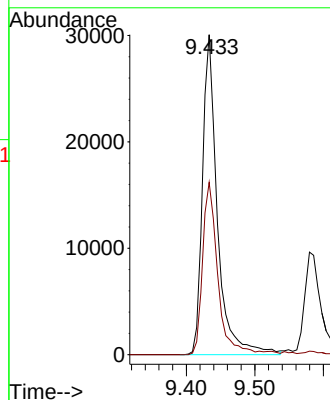
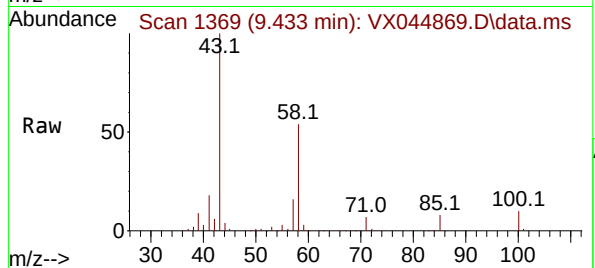
58 55.5 27.5 82.4

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

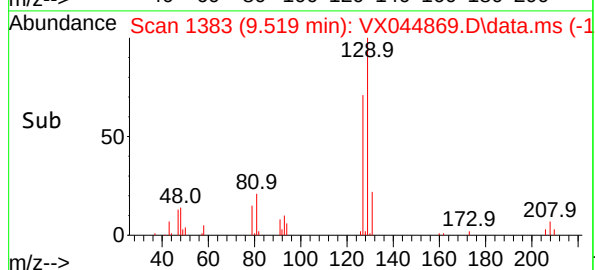
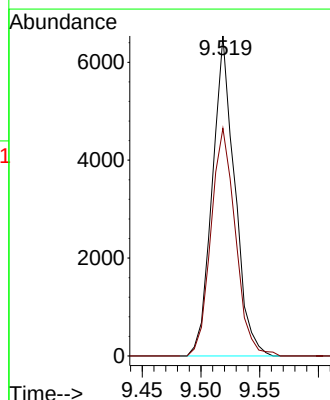
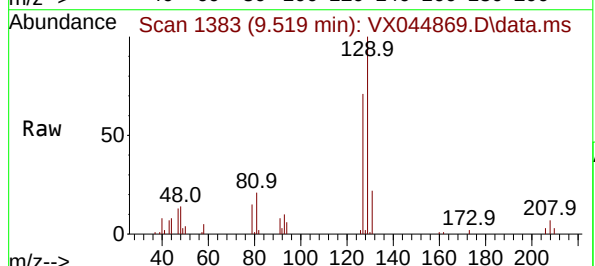
Acq: 10 Feb 2025 10:48

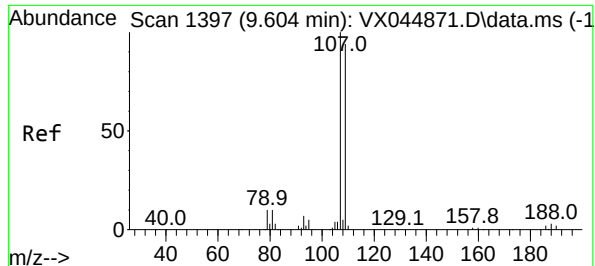
Tgt Ion:129 Resp: 8668

Ion Ratio Lower Upper

129 100

127 77.5 39.1 117.3





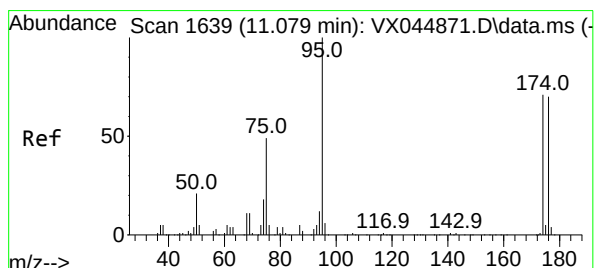
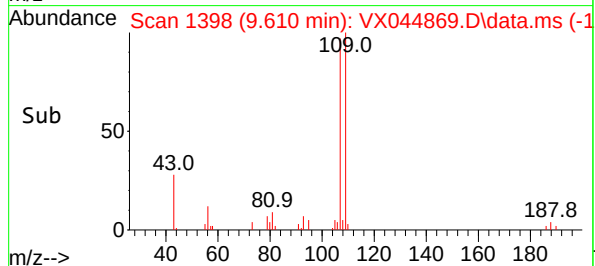
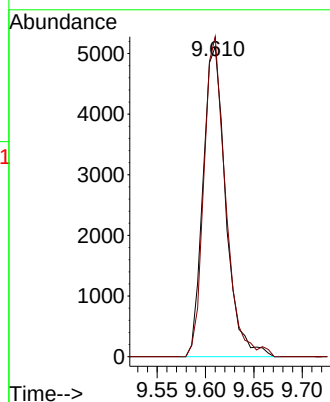
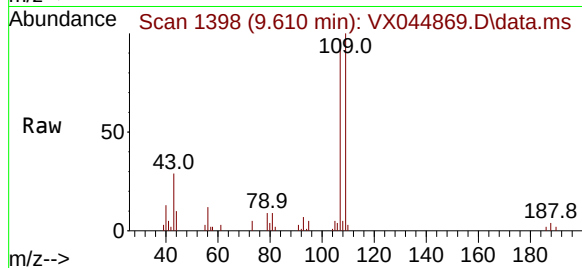
#61
1,2-Dibromoethane
Concen: 4.852 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

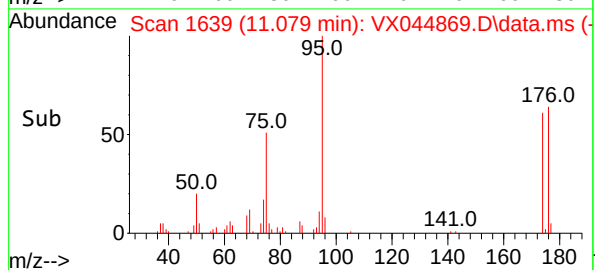
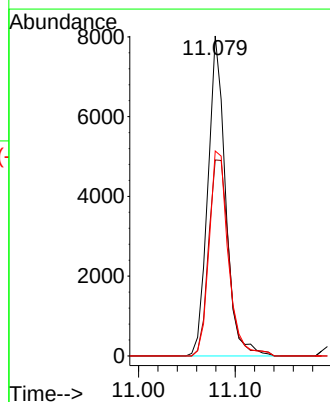
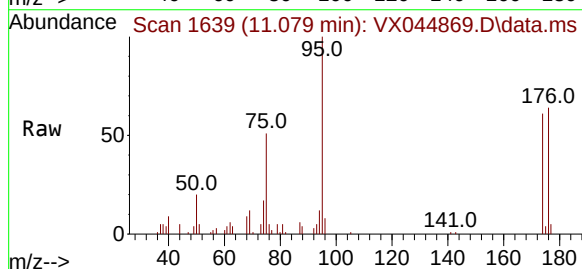
Manual Integrations
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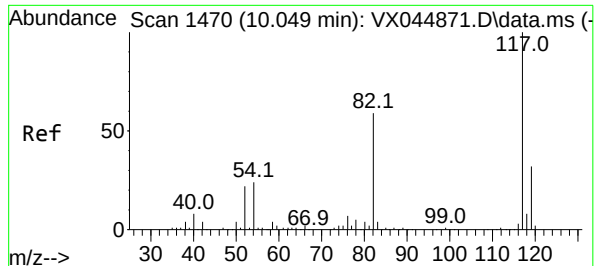
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

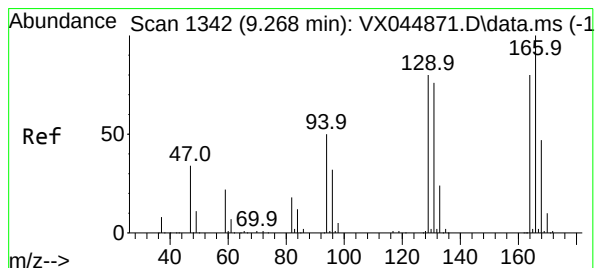
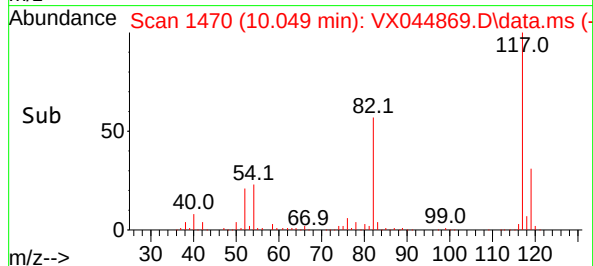
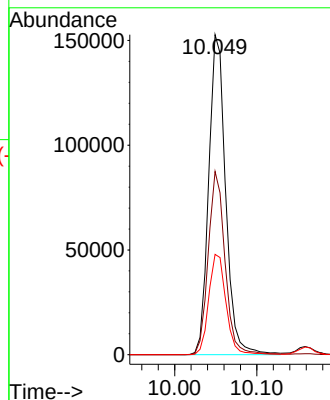
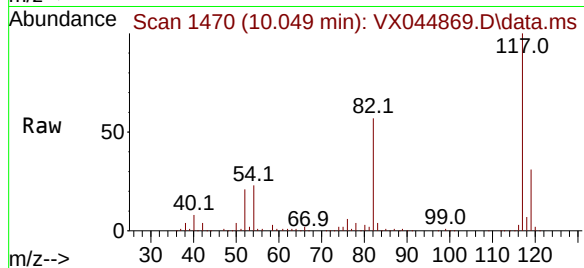
119 31.4 25.4 38.0

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

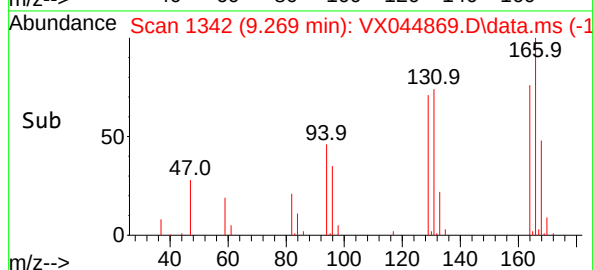
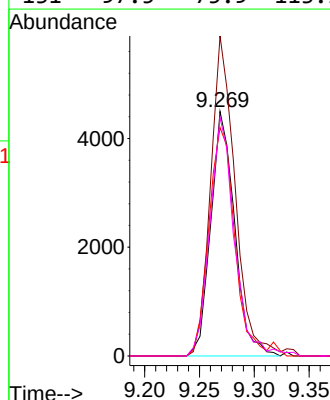
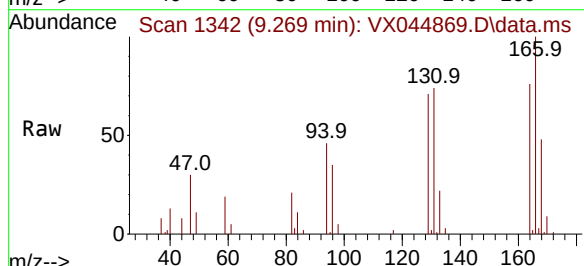
Ion Ratio Lower Upper

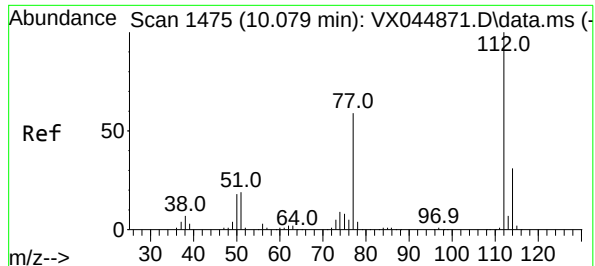
164 100

166 130.9 100.4 150.6

129 93.4 79.9 119.9

131 97.5 75.9 113.9





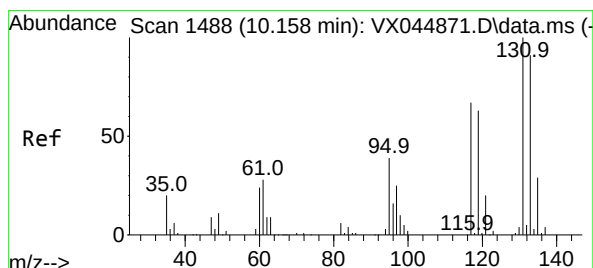
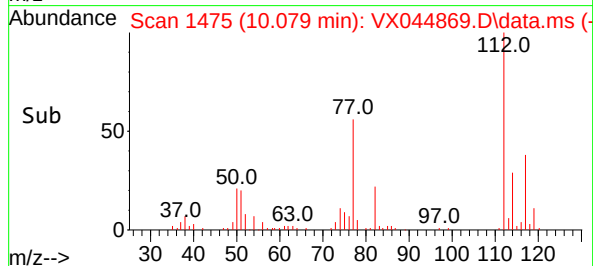
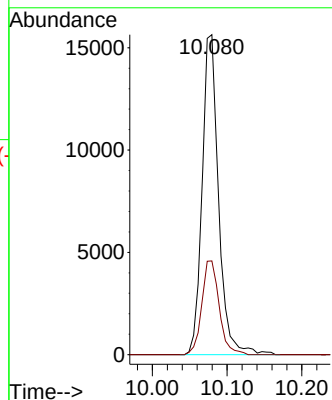
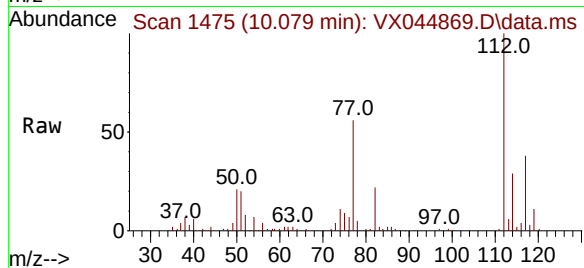
#65
Chlorobenzene
Concen: 5.090 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

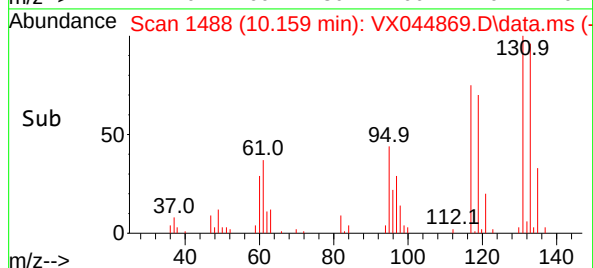
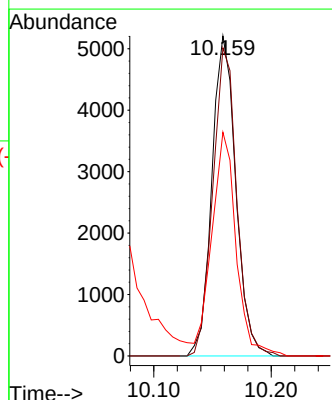
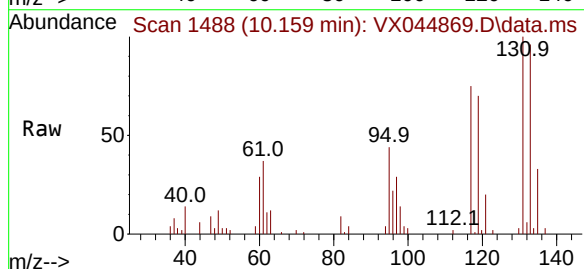
Manual Integrations
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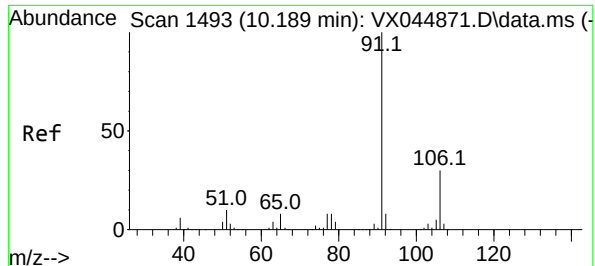
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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: 40945

Ion Ratio Lower Upper

91 100

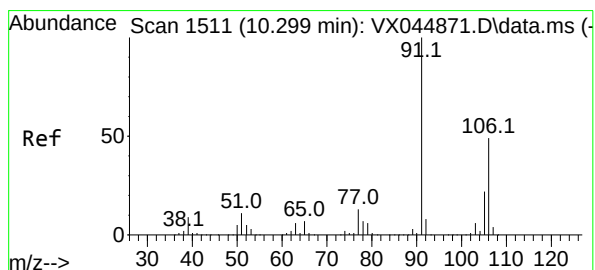
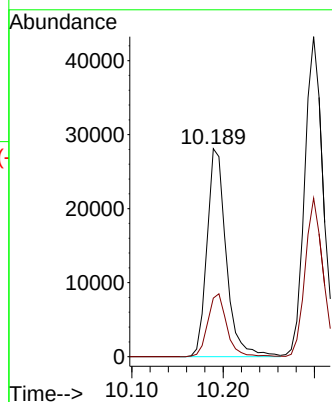
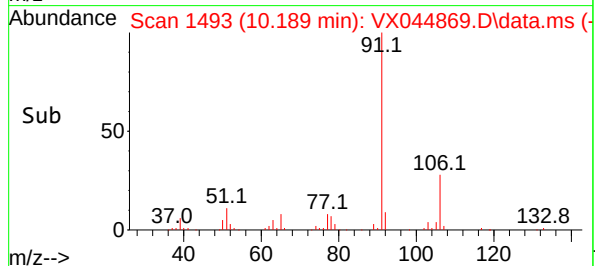
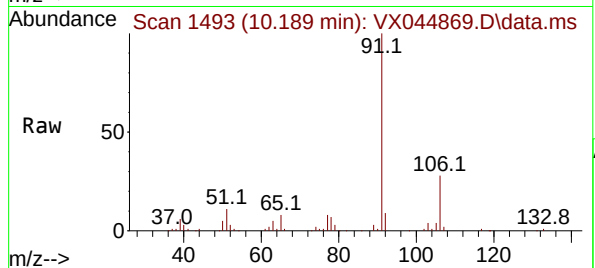
106 28.1 23.9 35.9

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

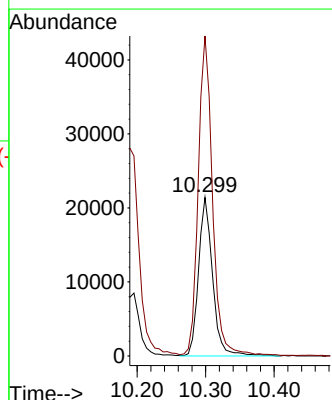
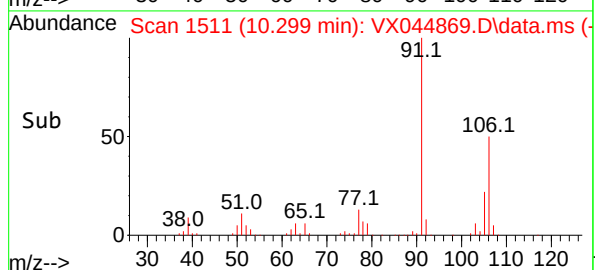
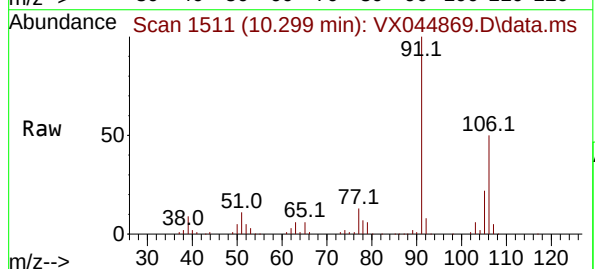
Acq: 10 Feb 2025 10:48

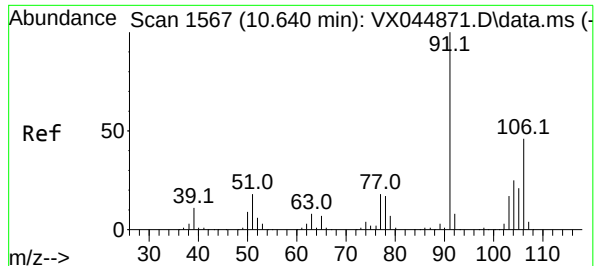
Tgt Ion:106 Resp: 30627

Ion Ratio Lower Upper

106 100

91 204.6 164.3 246.5





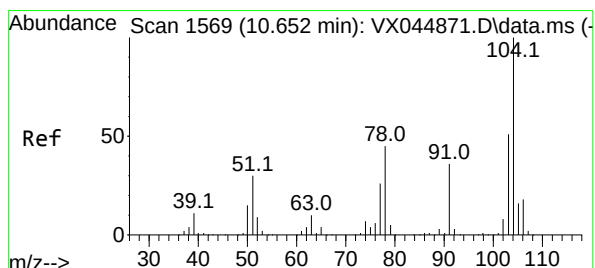
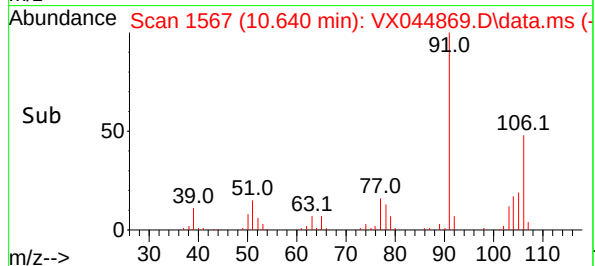
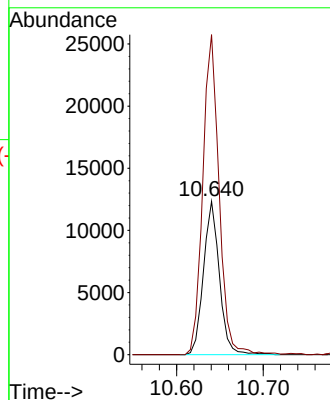
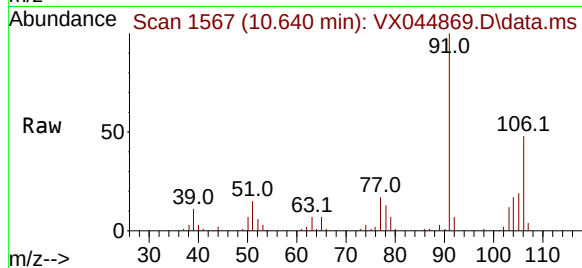
#69
o-Xylene
Concen: 5.139 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 1576
Ion Ratio Lower Upper
106 100
91 213.9 108.5 325.5

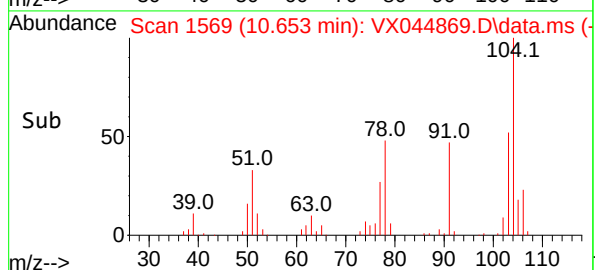
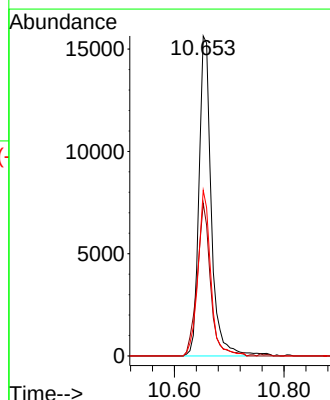
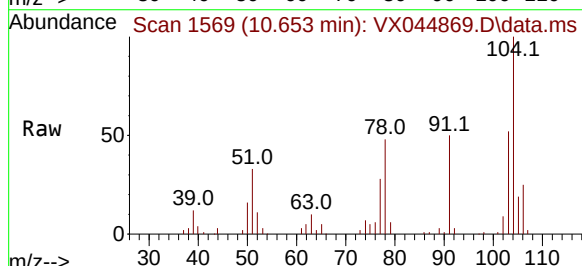
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APPROVED

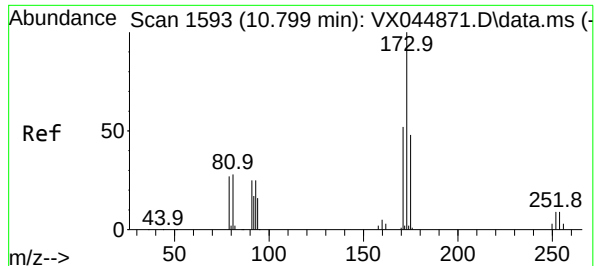
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

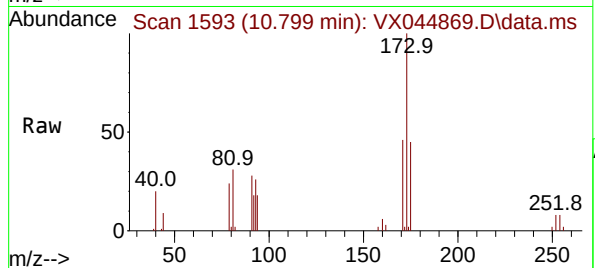
Tgt Ion:104 Resp: 24576
Ion Ratio Lower Upper
104 100
78 51.3 40.5 60.7
103 53.4 43.6 65.4





#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

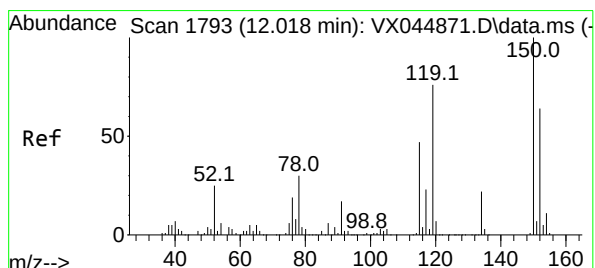
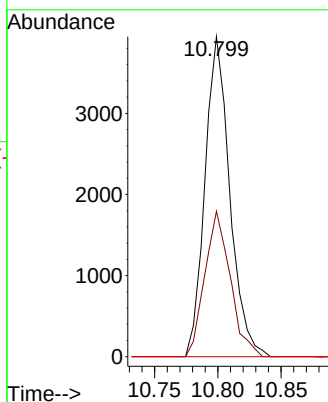
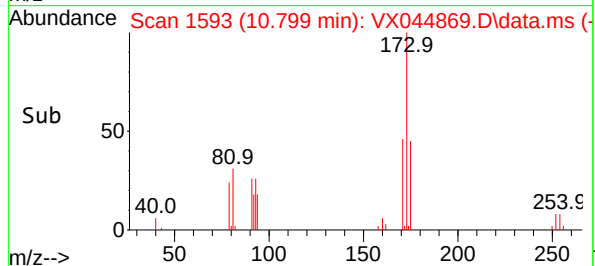
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



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

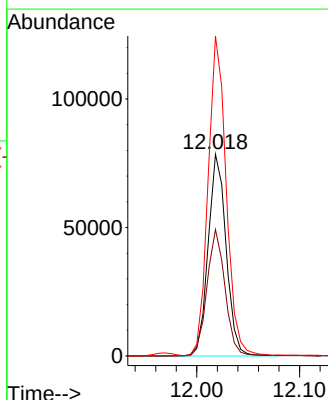
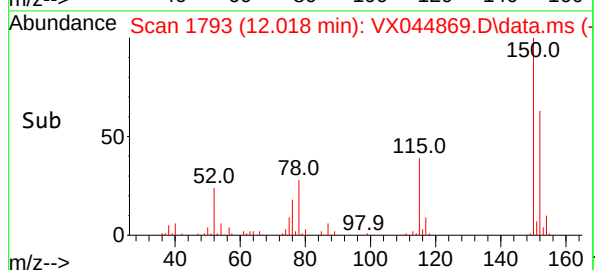
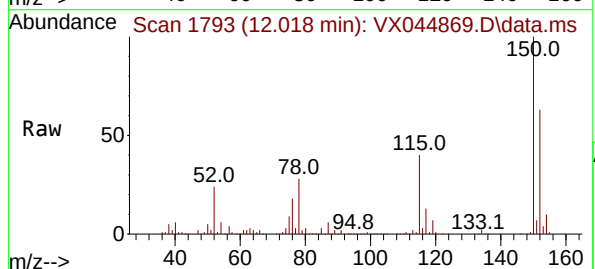
Manual Integrations
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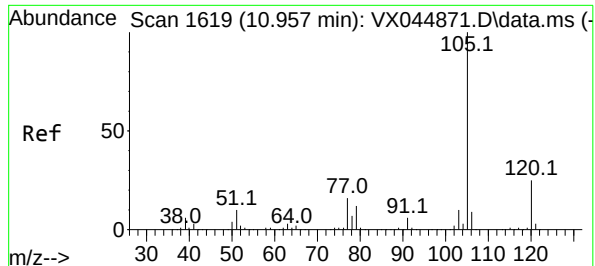
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: 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





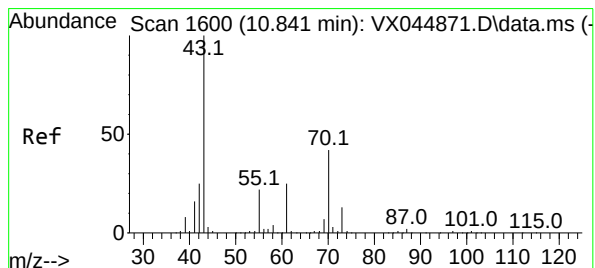
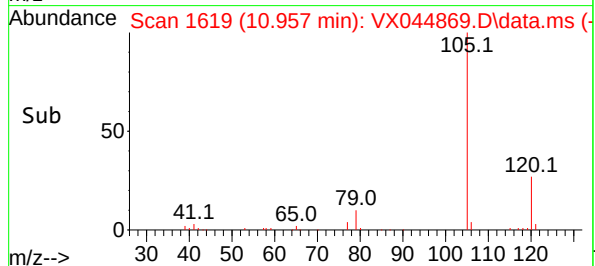
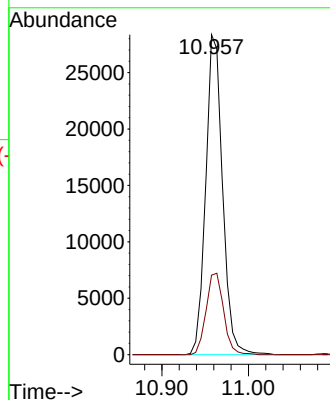
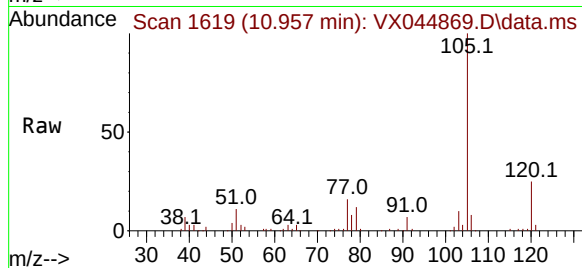
#73
Isopropylbenzene
Concen: 4.983 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

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

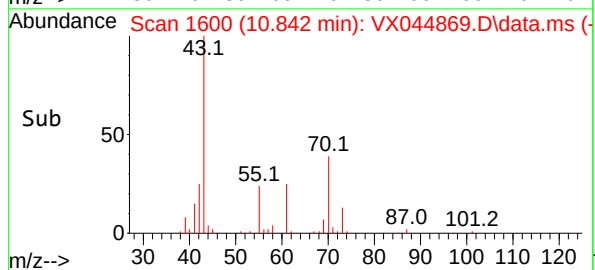
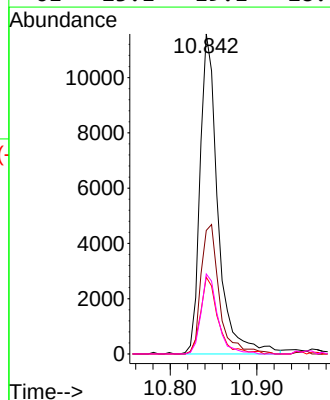
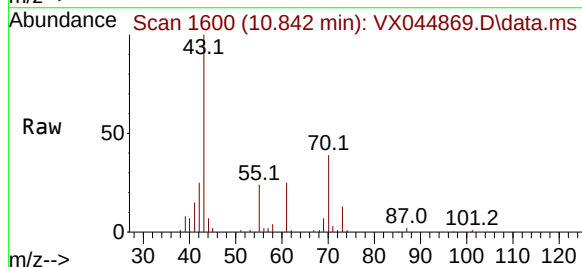
Manual Integrations
APPROVED

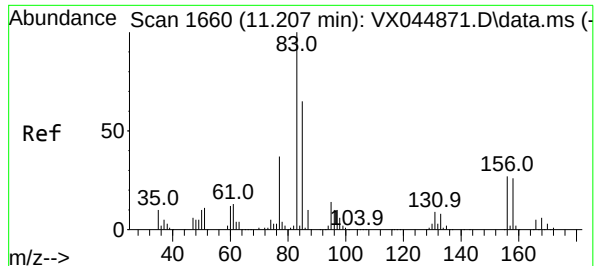
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

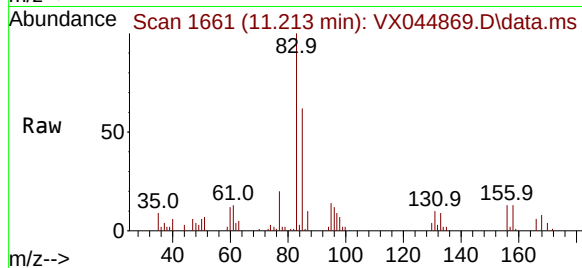
Tgt Ion: 43 Resp: 16653
Ion Ratio Lower Upper
43 100
70 41.5 33.7 50.5
55 23.5 18.6 27.8
61 23.1 19.1 28.7





#75
1,1,2,2-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

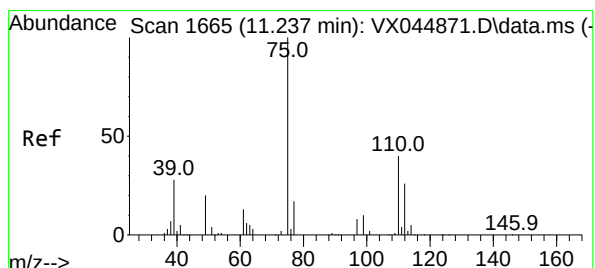
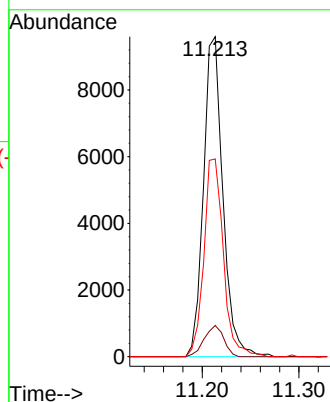
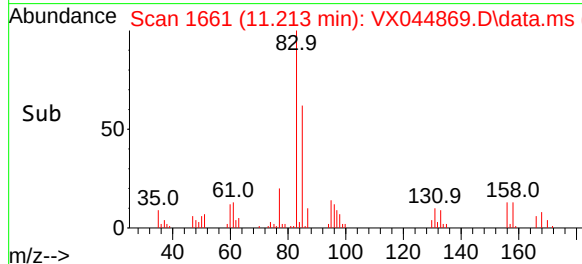
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



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

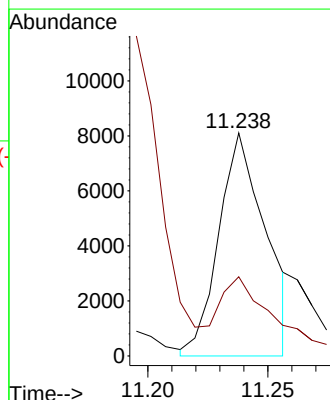
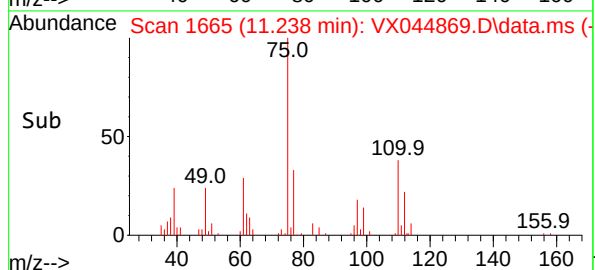
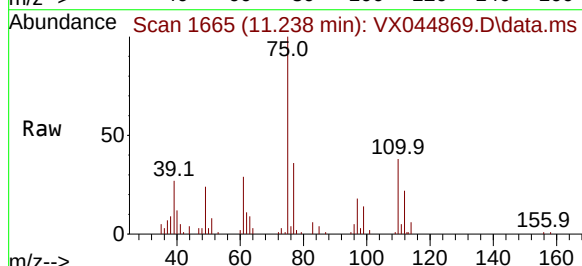
Manual Integrations
APPROVED

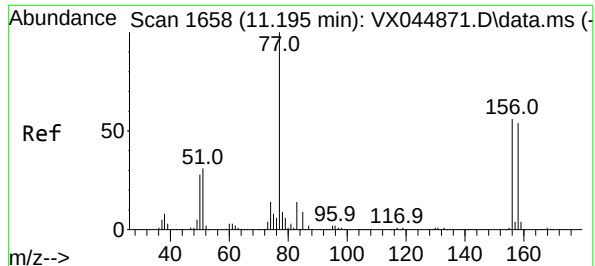
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

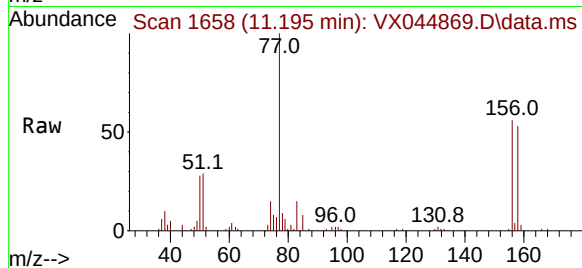
Tgt Ion: 75 Resp: 11011
Ion Ratio Lower Upper
75 100
77 44.1 21.9 65.7





#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

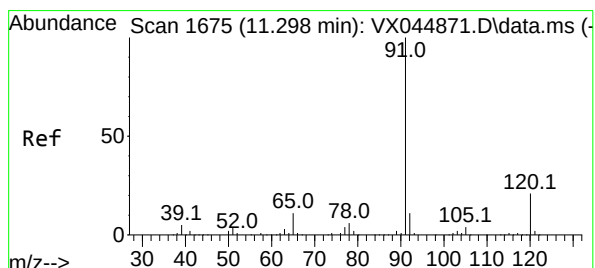
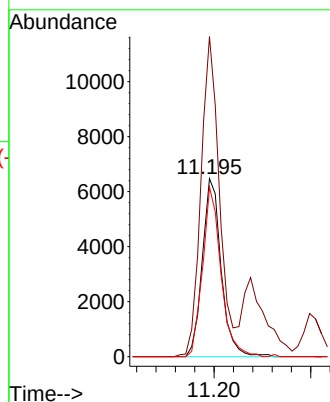
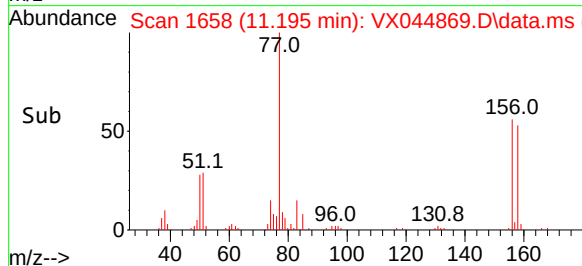
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



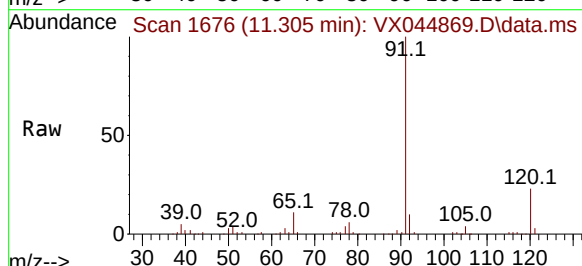
Tgt Ion:156 Resp: 8789
Ion Ratio Lower Upper
156 100
77 174.1 88.4 265.3
158 92.9 48.4 145.2

Manual Integrations
APPROVED

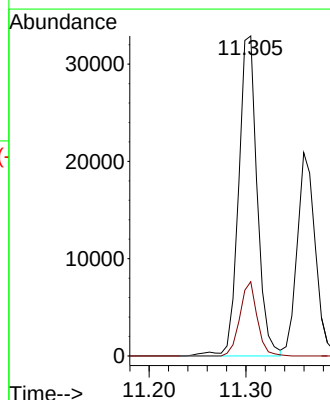
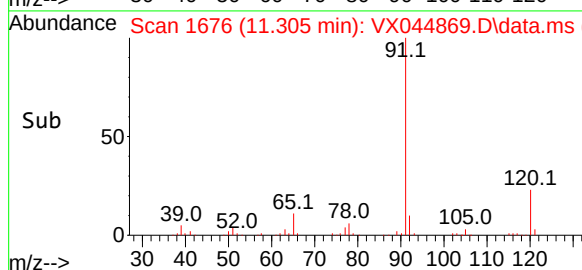
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

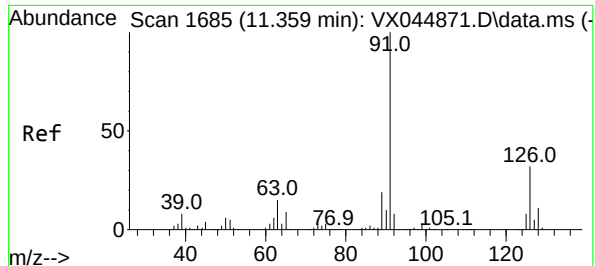


#78
n-propylbenzene
Concen: 4.949 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48



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

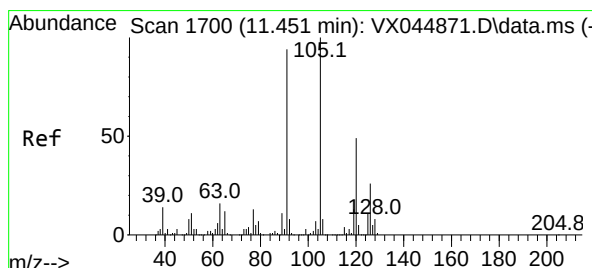
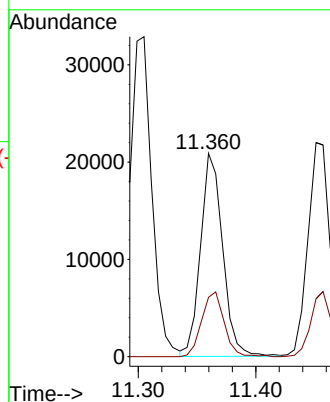
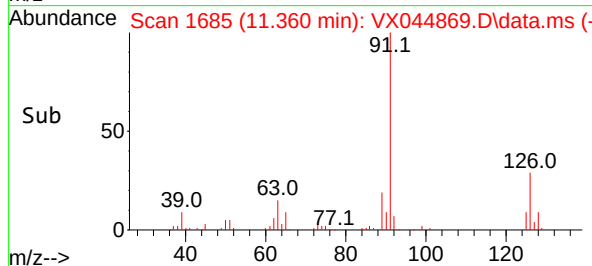
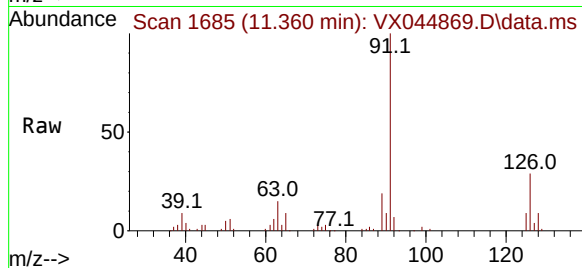
126 32.4 16.2 48.6

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

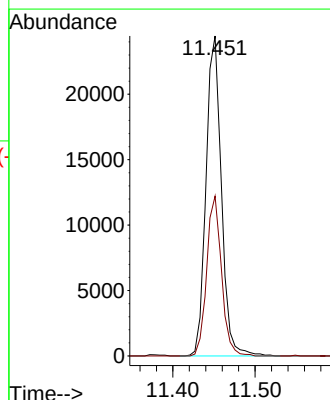
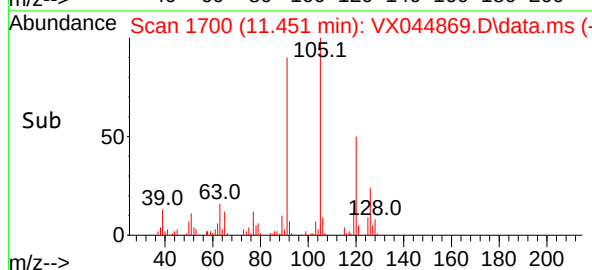
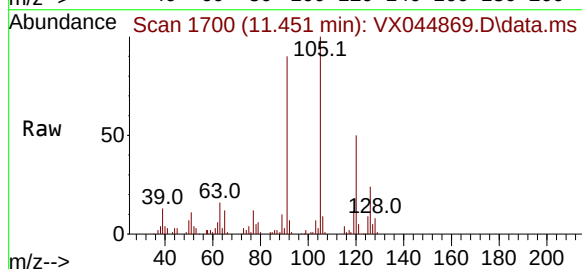
Acq: 10 Feb 2025 10:48

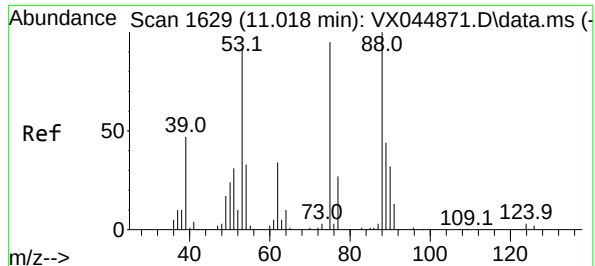
Tgt Ion:105 Resp: 31761

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0





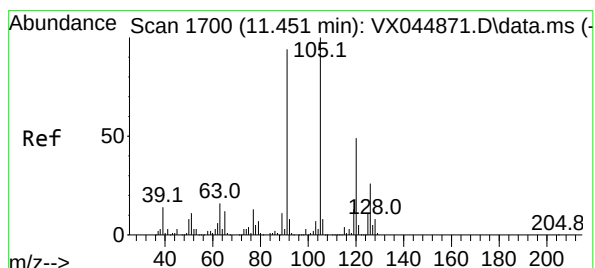
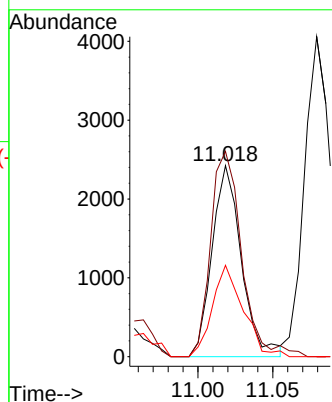
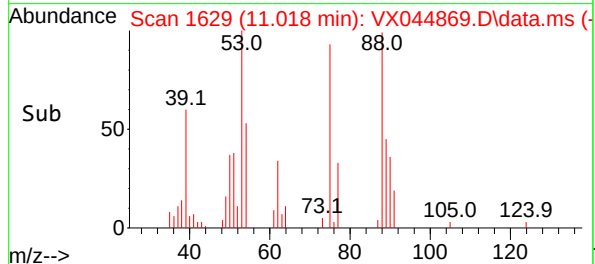
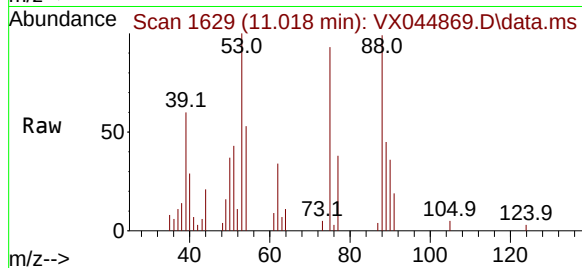
#81
trans-1,4-Dichloro-2-butene
Concen: 4.013 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

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

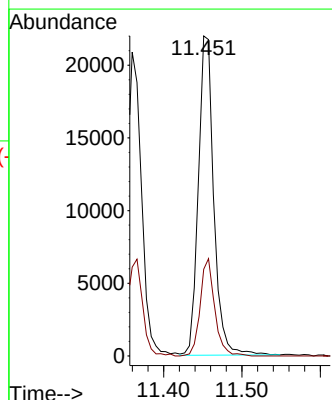
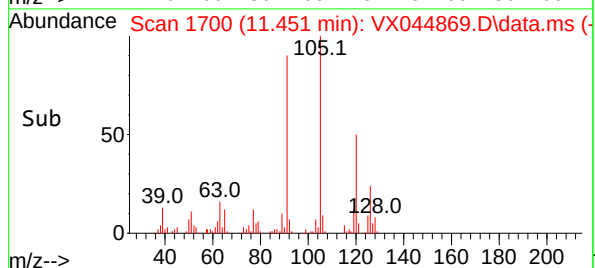
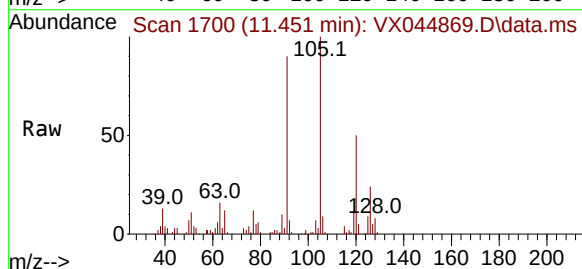
Manual Integrations
APPROVED

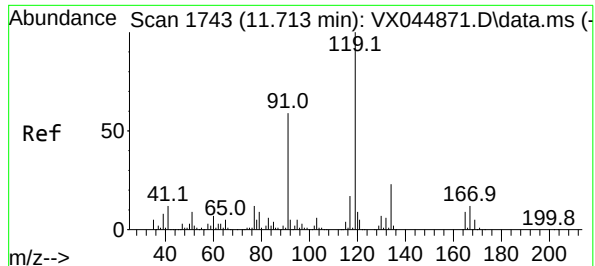
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

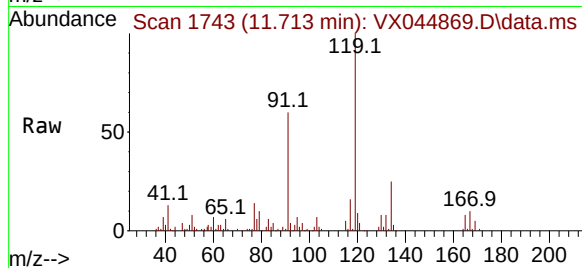
Tgt Ion: 91 Resp: 30138
Ion Ratio Lower Upper
91 100
126 28.7 14.2 42.6





#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

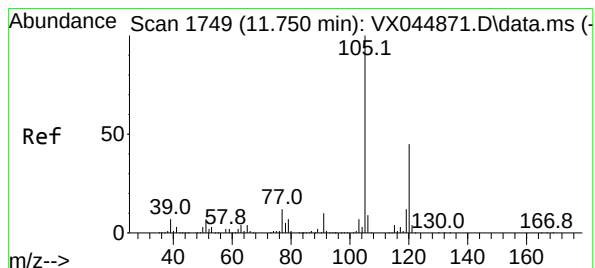
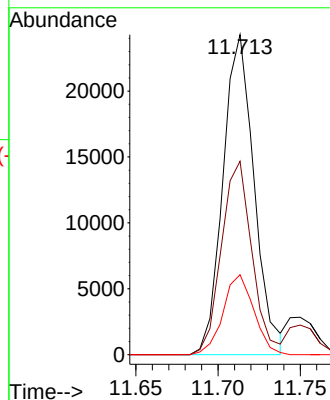
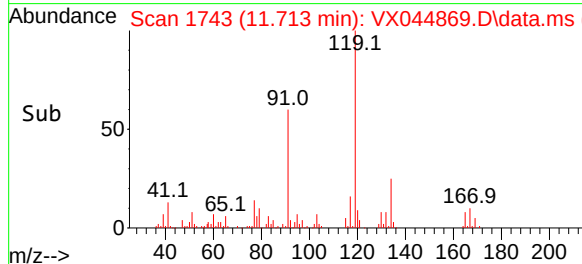
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:119 Resp: 31992
Ion Ratio Lower Upper
119 100
91 59.3 29.1 87.4
134 24.7 11.5 34.5

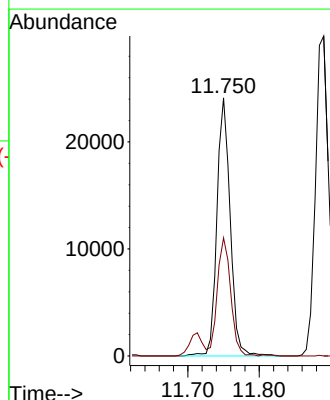
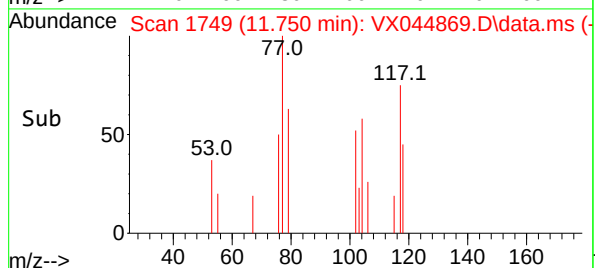
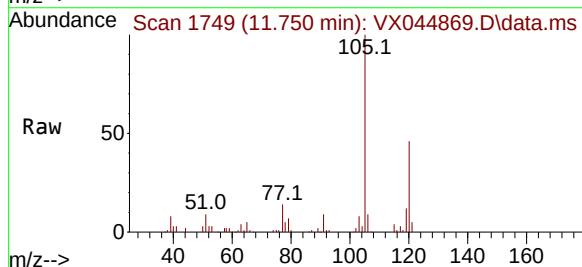
Manual Integrations
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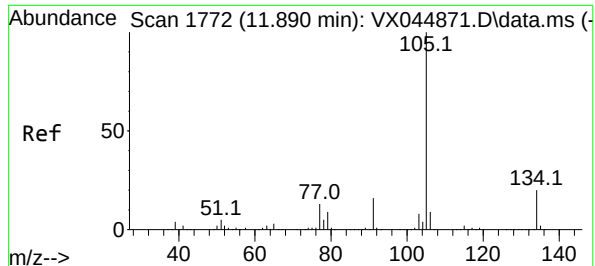
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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 :

VSTDICC005

Tgt Ion:105 Resp: 3843

Ion Ratio Lower Upper

105 100

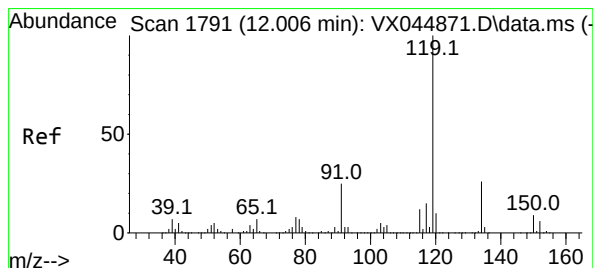
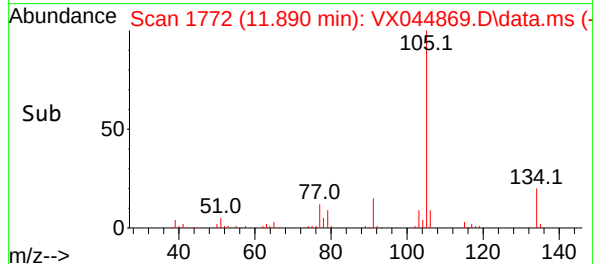
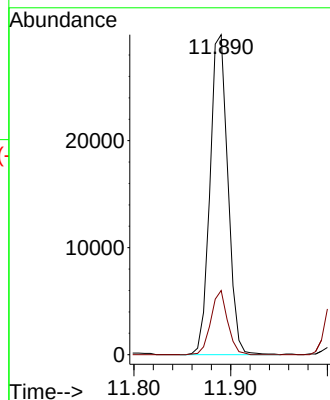
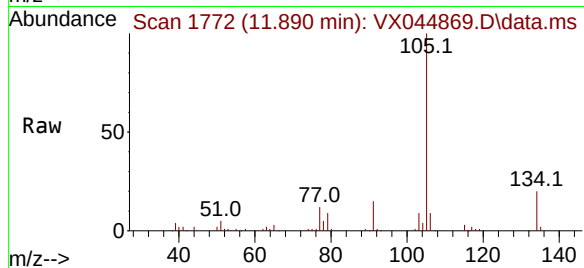
134 18.7 9.8 29.3

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

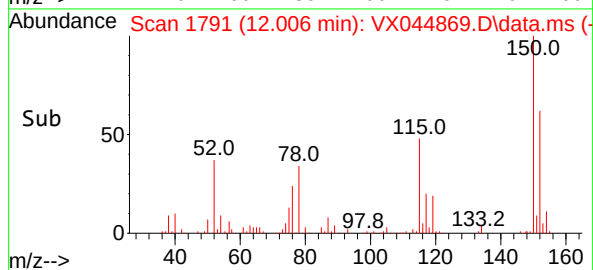
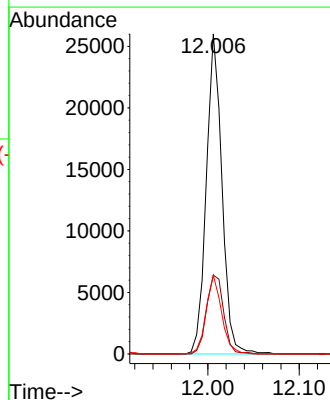
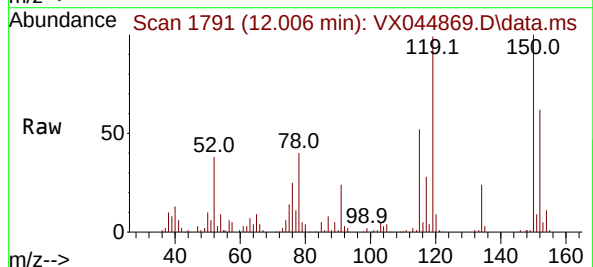
Tgt Ion:119 Resp: 30835

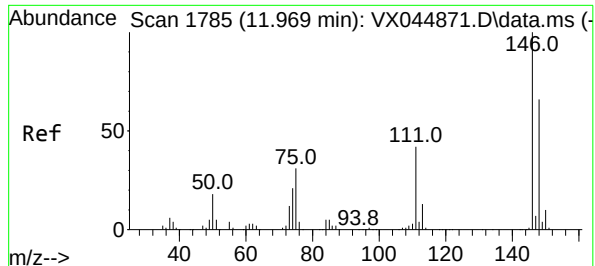
Ion Ratio Lower Upper

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

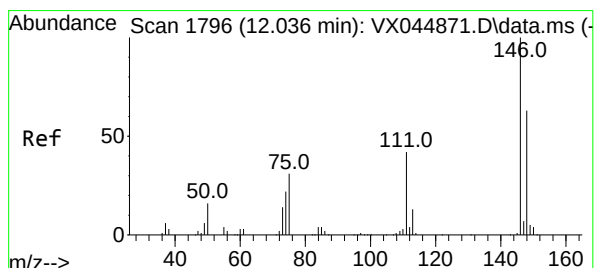
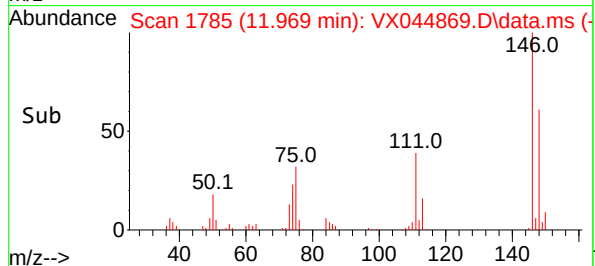
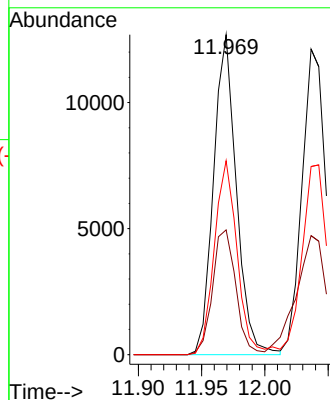
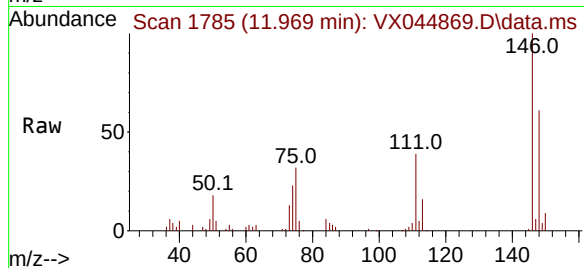
Tgt Ion:	146	Resp:	1593
Ion Ratio	Lower	Upper	
146	100		
111	39.8	21.2	63.6
148	60.0	32.5	97.5

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

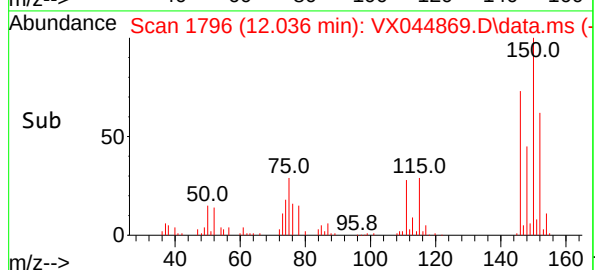
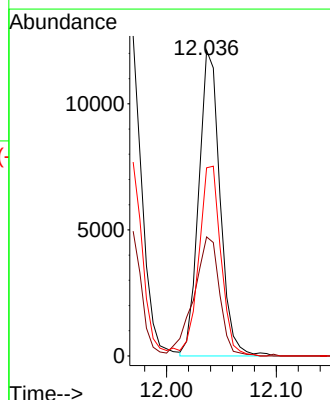
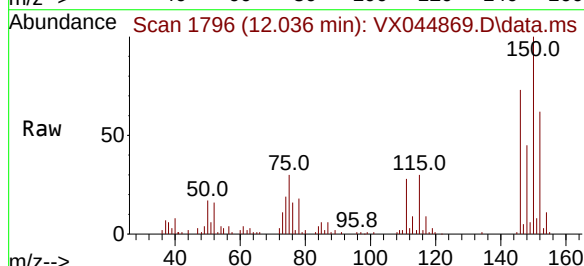
RT: 12.036 min Scan# 1796

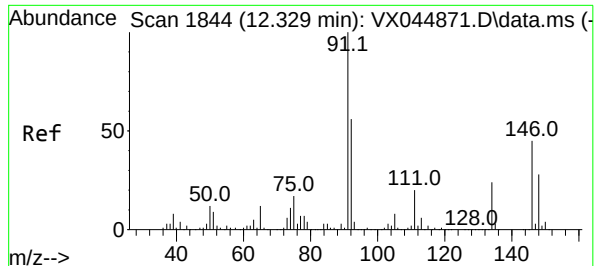
Delta R.T. 0.000 min

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

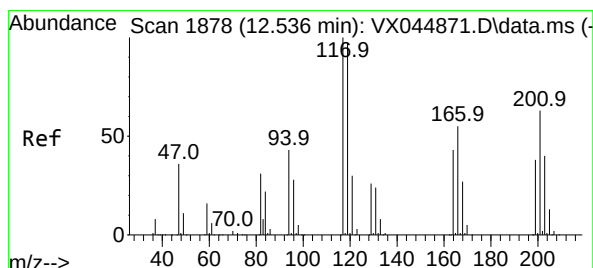
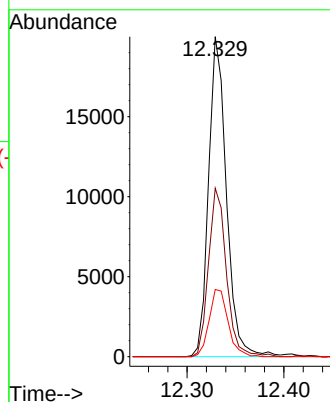
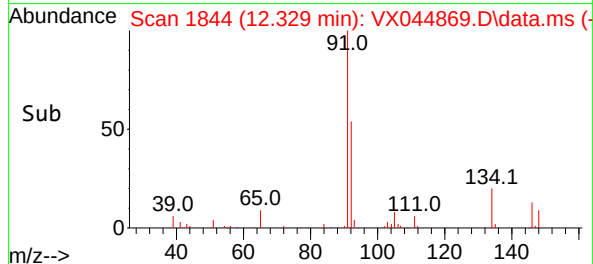
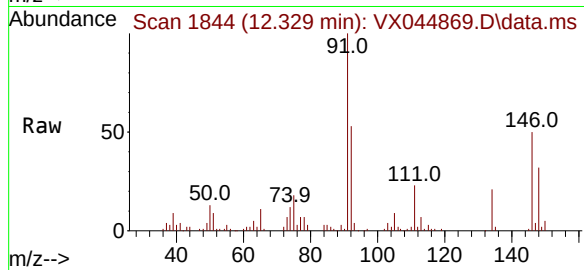
134 22.3 12.1 36.3

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

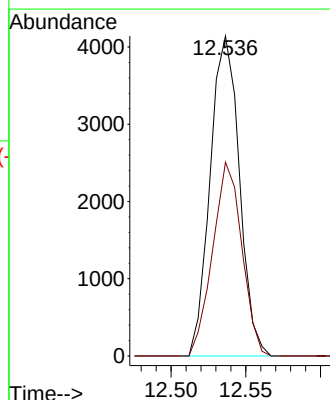
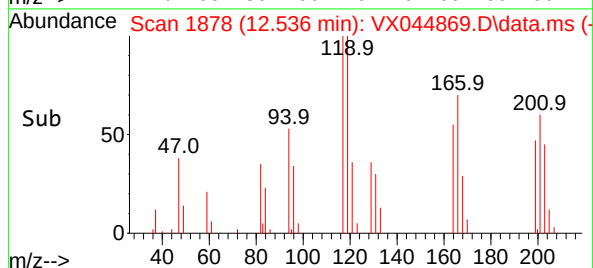
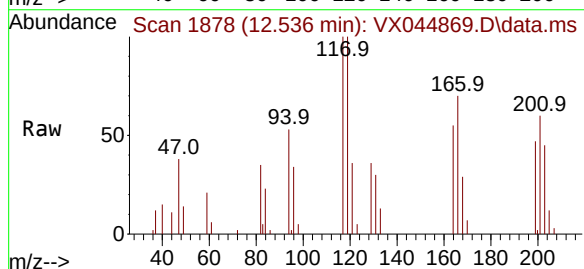
Acq: 10 Feb 2025 10:48

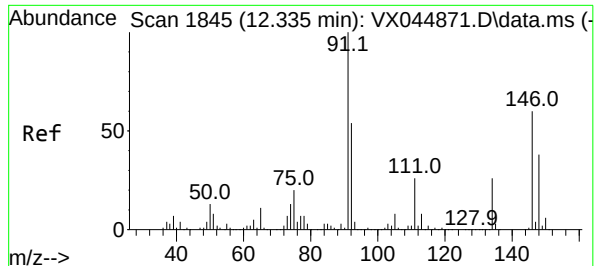
Tgt Ion:117 Resp: 5620

Ion Ratio Lower Upper

117 100

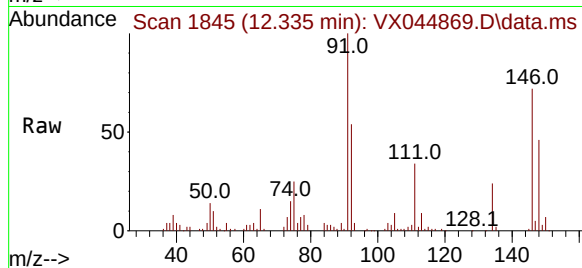
201 60.6 32.5 97.5





#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

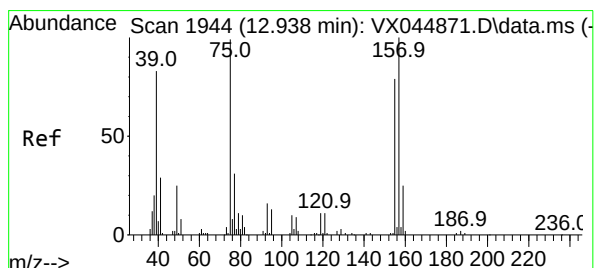
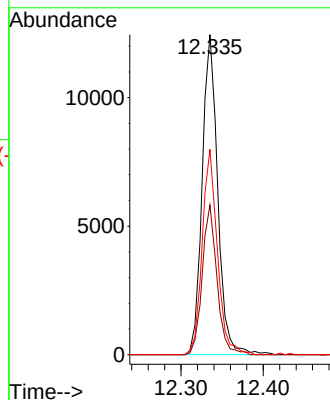
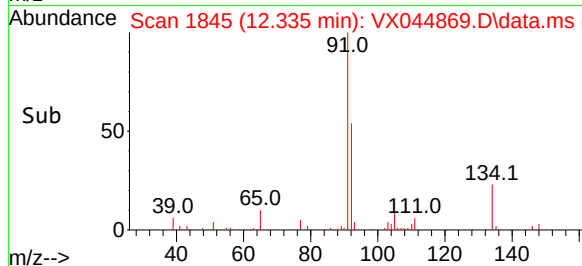
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



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

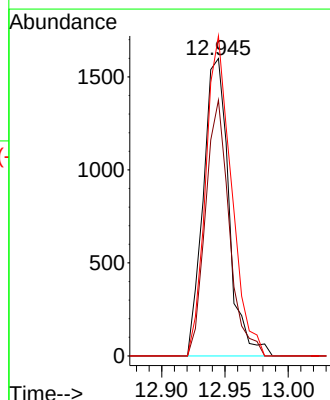
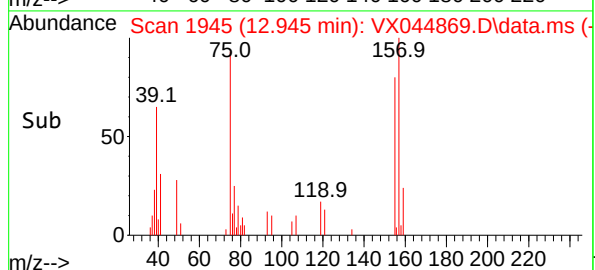
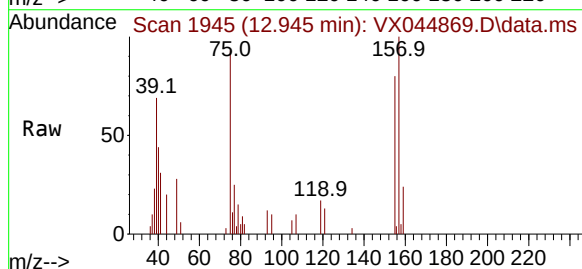
Manual Integrations
APPROVED

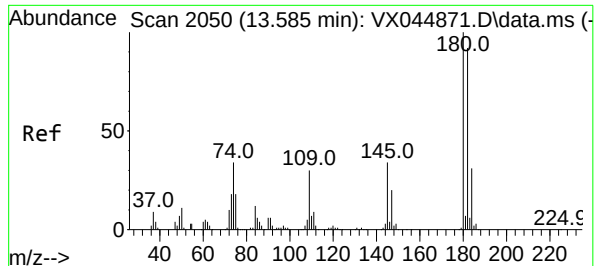
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

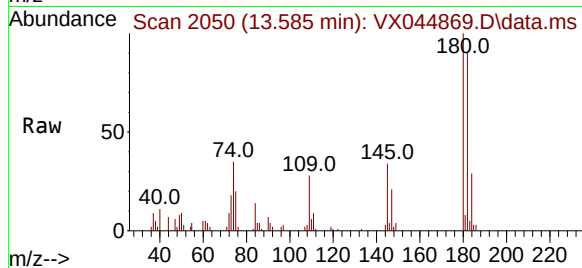
Tgt Ion: 75 Resp: 2254
Ion Ratio Lower Upper
75 100
155 80.0 40.5 121.4
157 108.1 51.4 154.3





#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

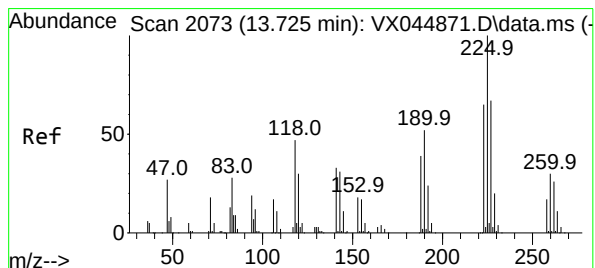
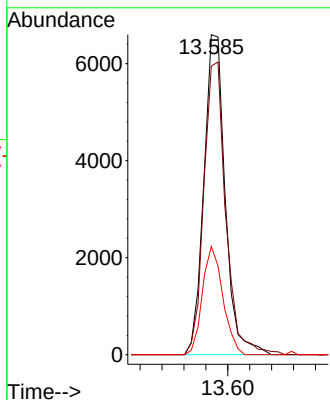
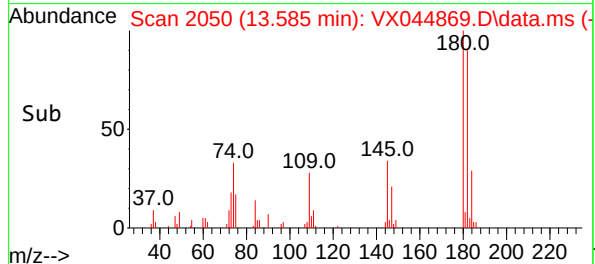
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:180 Resp: 892.0
Ion Ratio Lower Upper
180 100
182 93.9 47.6 142.8
145 32.3 16.4 49.1

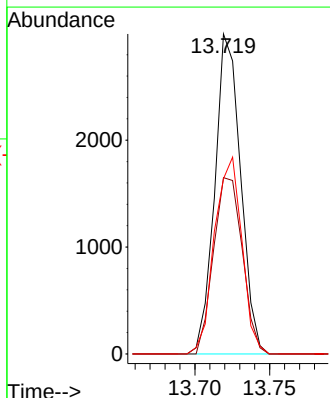
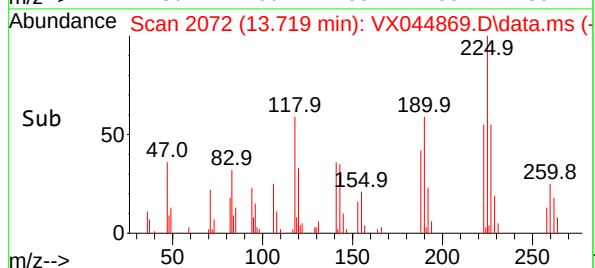
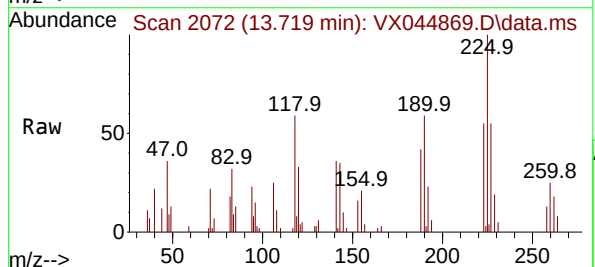
Manual Integrations
APPROVED

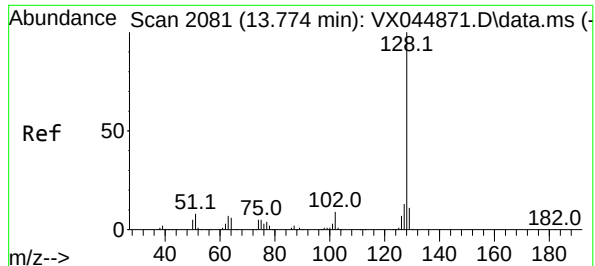
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

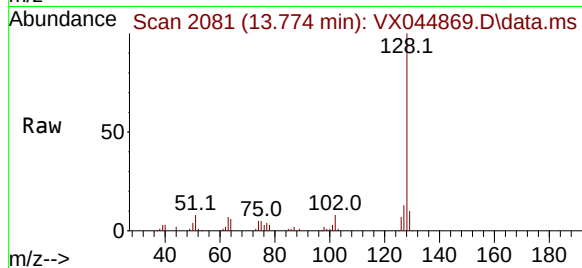
Tgt Ion:225 Resp: 3595
Ion Ratio Lower Upper
225 100
223 61.5 31.4 94.2
227 65.1 32.3 96.8





#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

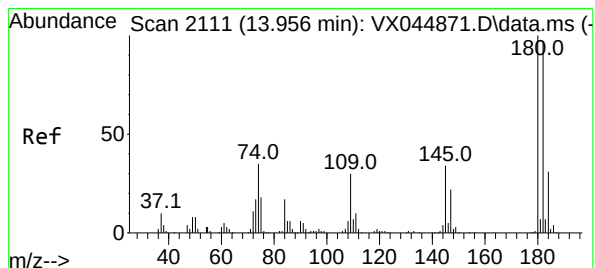
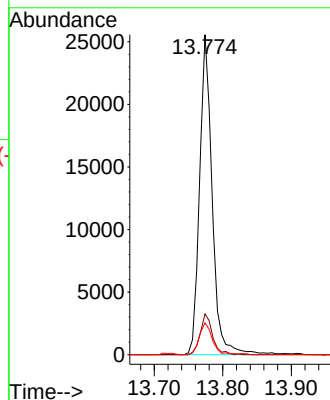
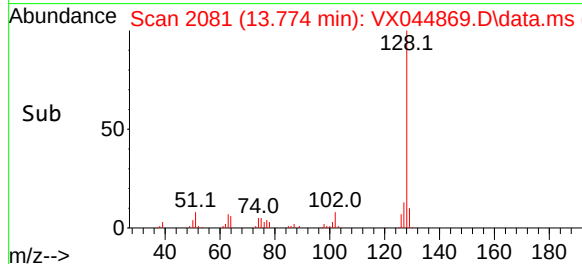
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



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

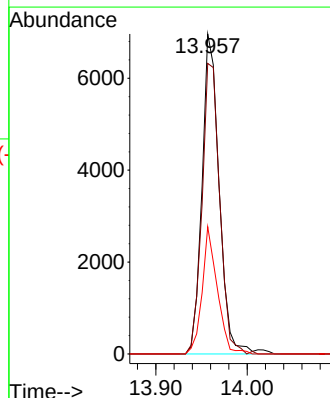
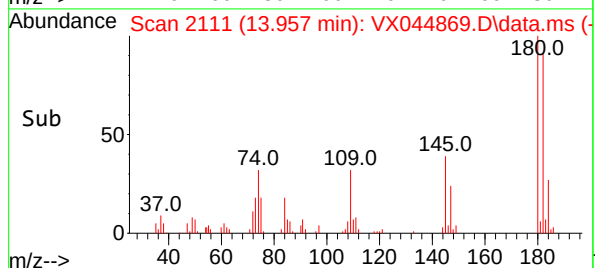
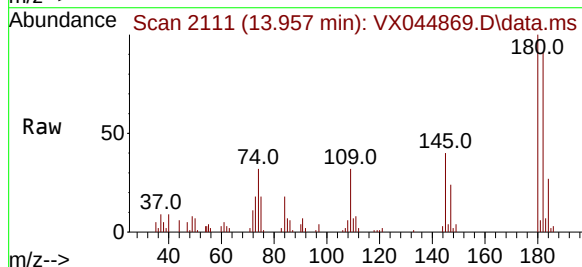
Manual Integrations
APPROVED

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

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)

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 : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

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

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)

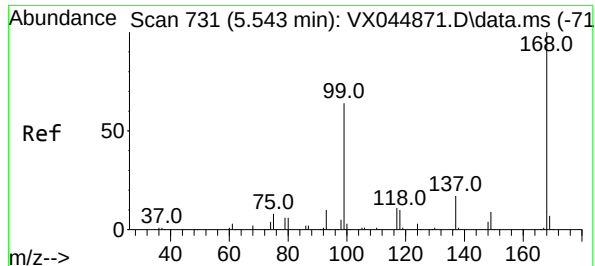
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:168 Resp: 12953

Ion Ratio Lower Upper

168 100

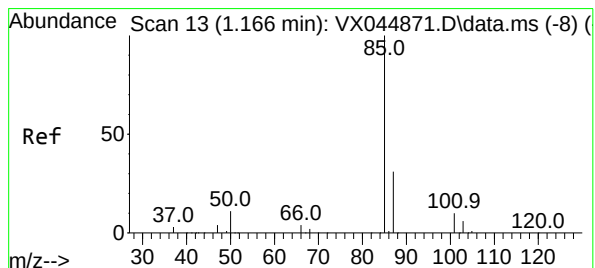
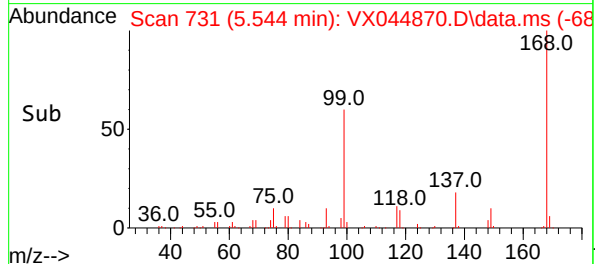
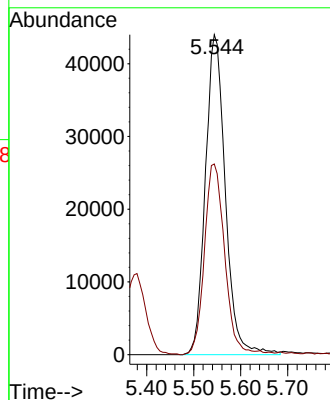
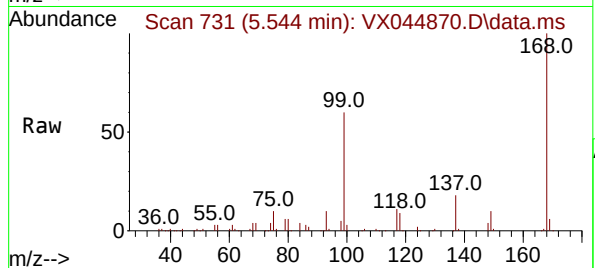
99 59.6 51.2 76.8

Manual Integrations

APPROVED

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

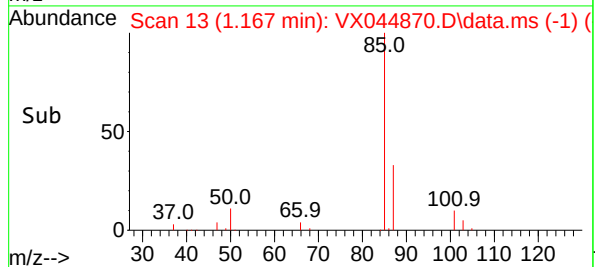
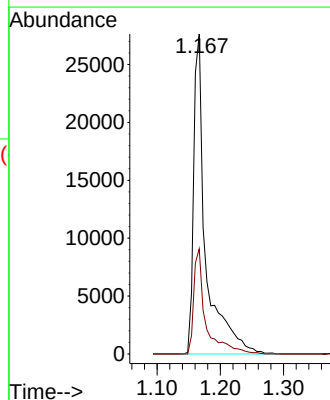
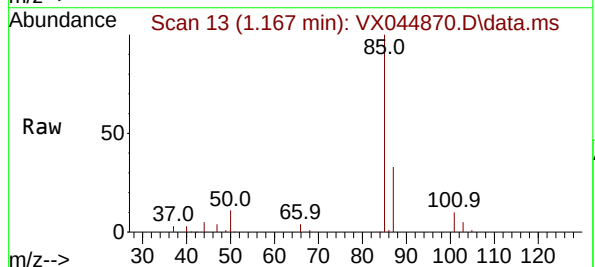
Acq: 10 Feb 2025 11:11

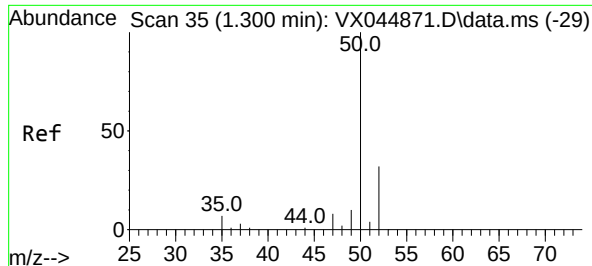
Tgt Ion: 85 Resp: 37123

Ion Ratio Lower Upper

85 100

87 32.9 15.8 47.3





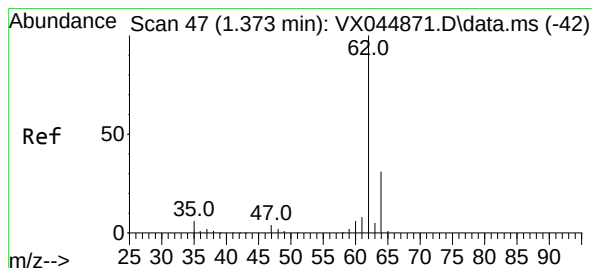
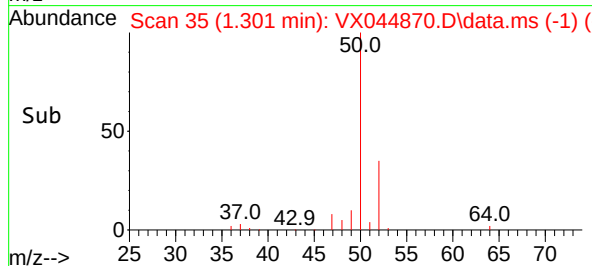
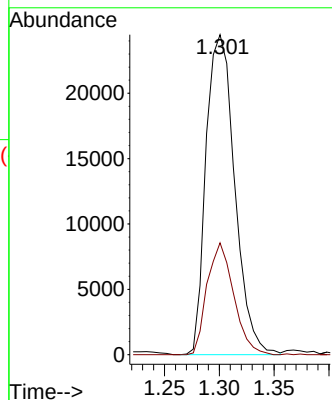
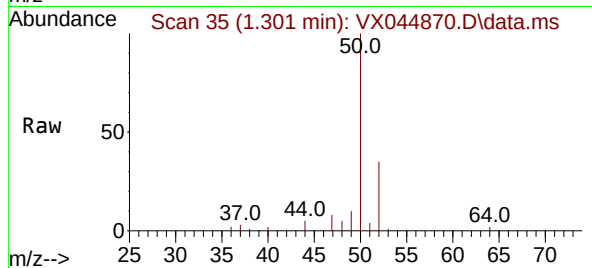
#3
Chloromethane
Concen: 20.200 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 44660
Ion Ratio Lower Upper
50 100
52 35.0 25.9 38.9

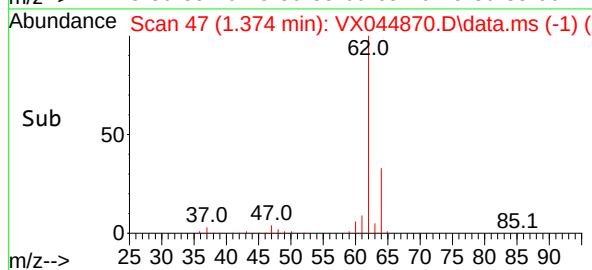
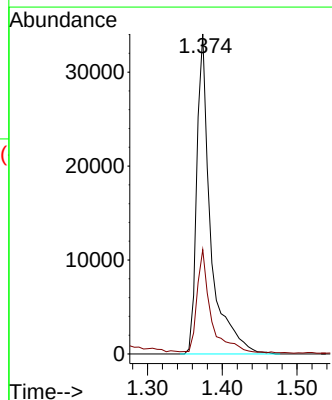
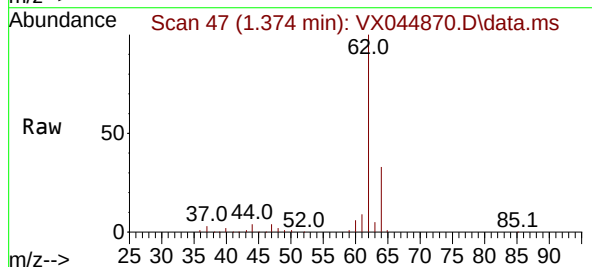
Manual Integrations
APPROVED

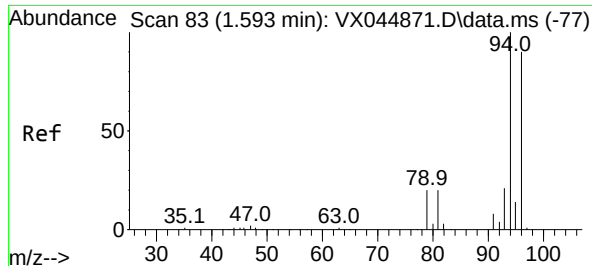
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





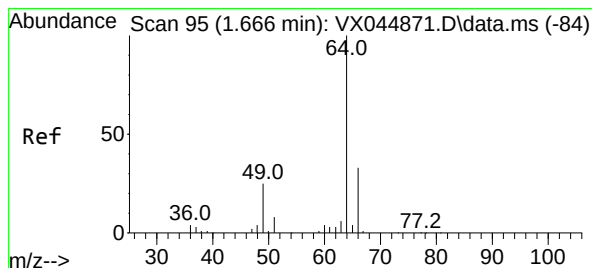
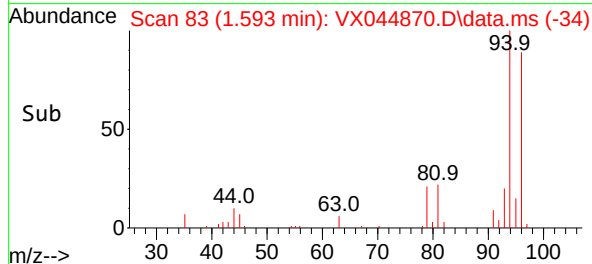
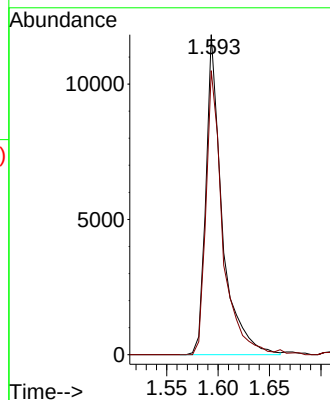
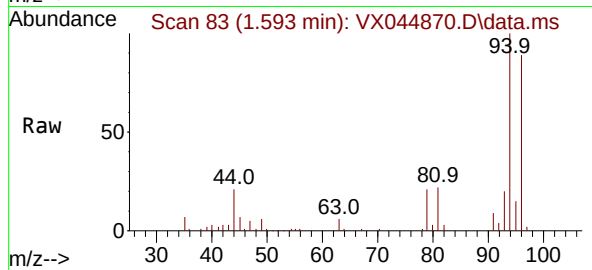
#5
Bromomethane
Concen: 20.369 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

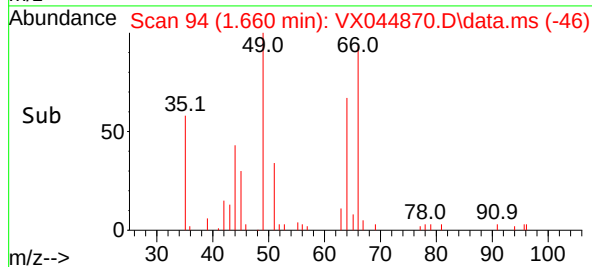
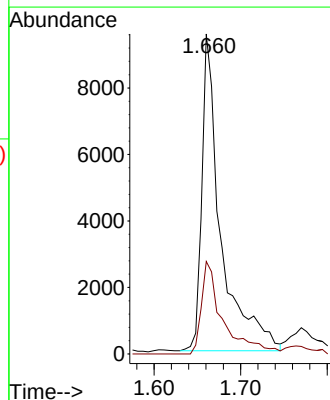
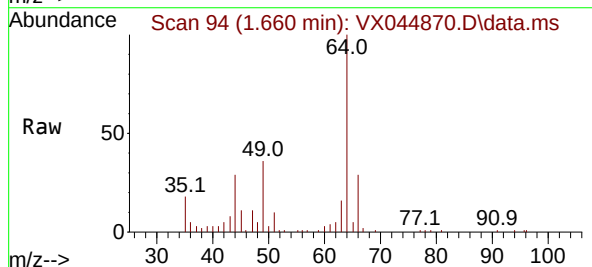
Manual Integrations
APPROVED

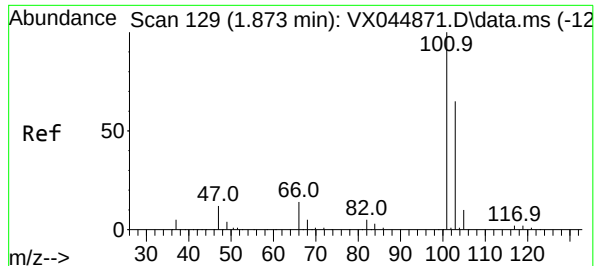
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





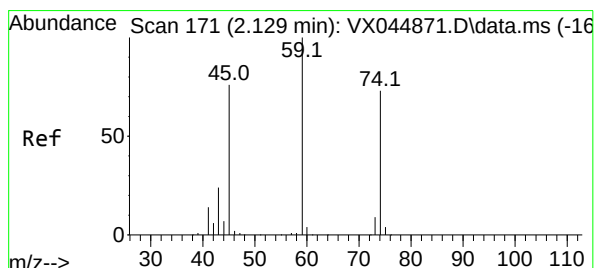
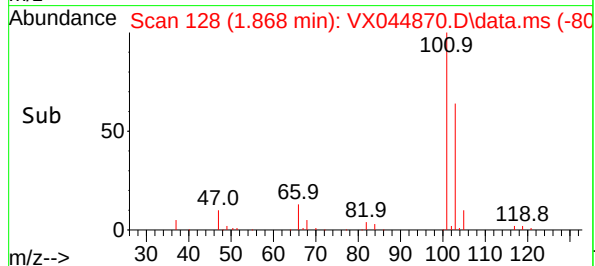
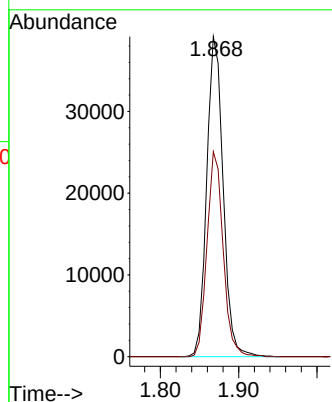
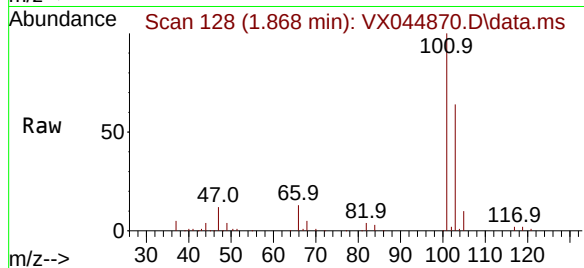
#7
Trichlorofluoromethane
Concen: 20.969 ug/l
RT: 1.868 min Scan# 129
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

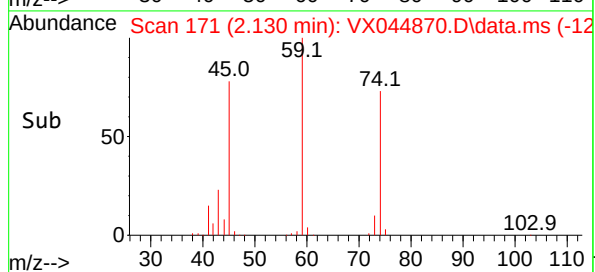
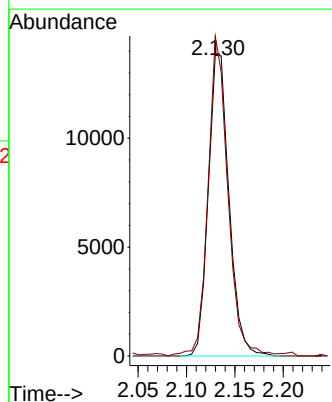
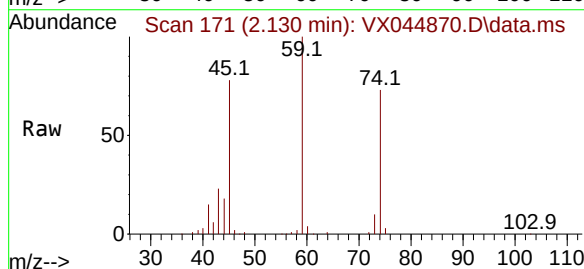
Manual Integrations
APPROVED

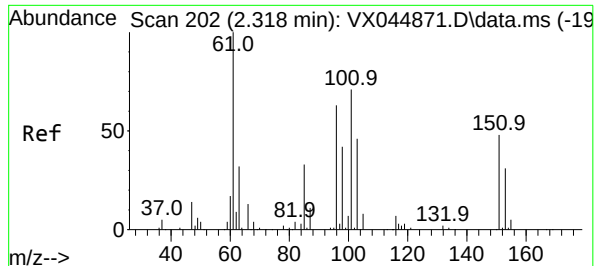
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





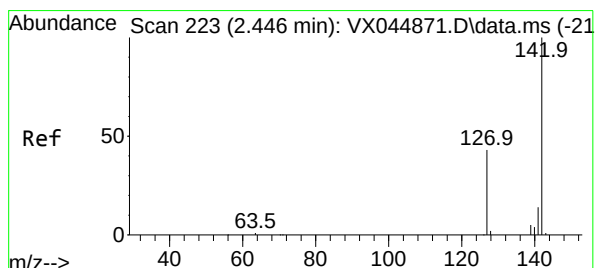
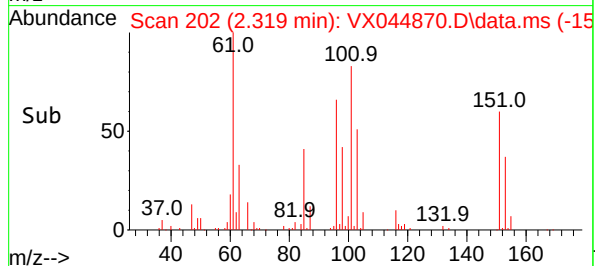
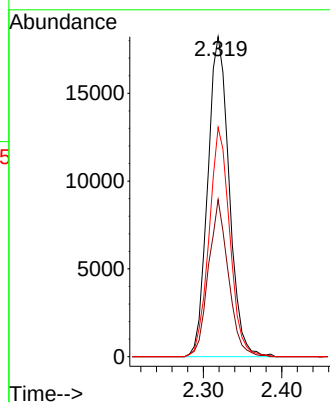
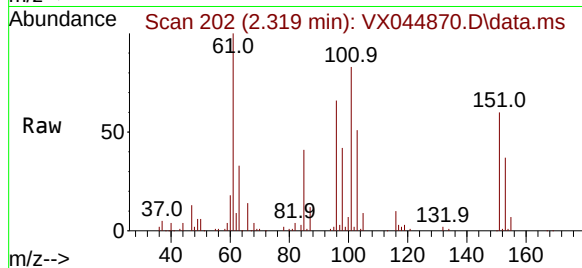
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.135 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

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

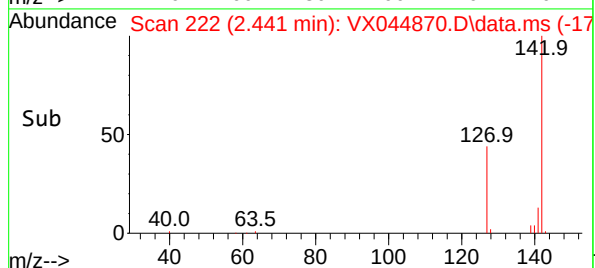
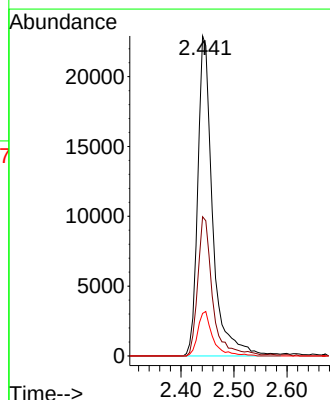
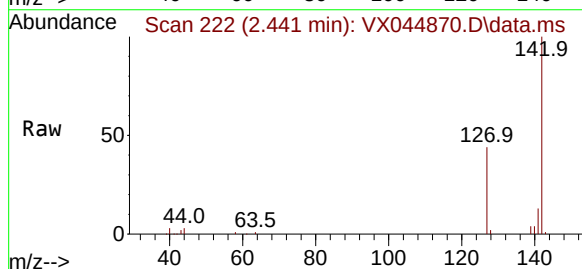
Manual Integrations
APPROVED

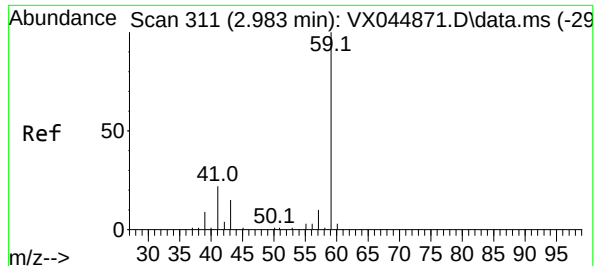
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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 :

VSTDIC020

Tgt Ion: 59 Resp: 35834

Ion Ratio Lower Upper

59 100

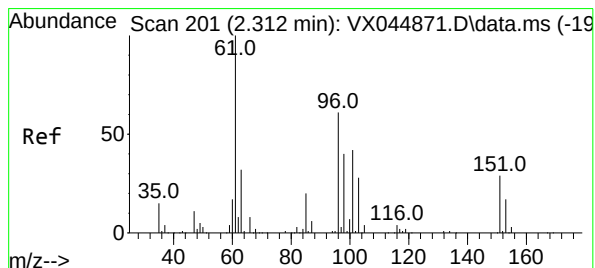
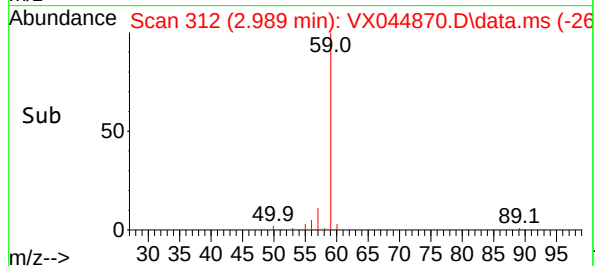
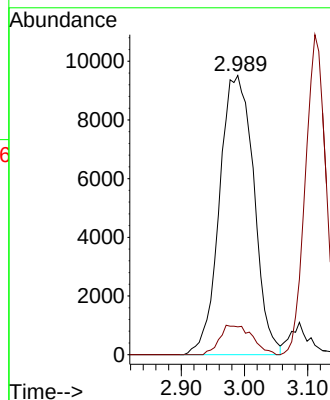
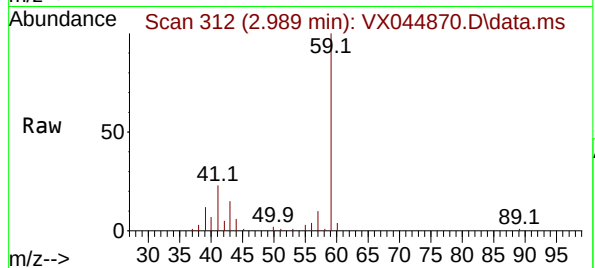
57 10.0 8.1 12.1

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

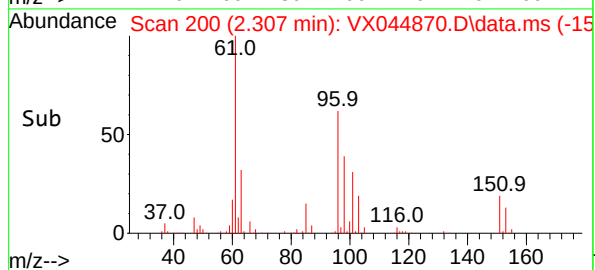
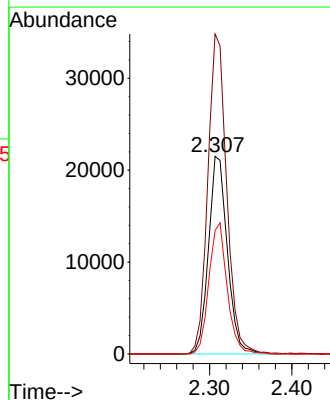
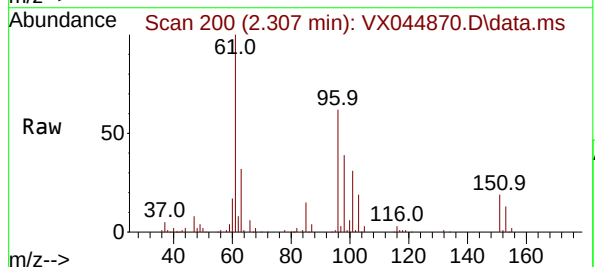
Tgt Ion: 96 Resp: 34270

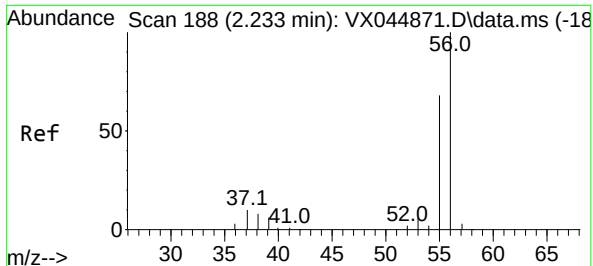
Ion Ratio Lower Upper

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 :

VSTDIC020

Tgt Ion: 56 Resp: 33914

Ion Ratio Lower Upper

56 100

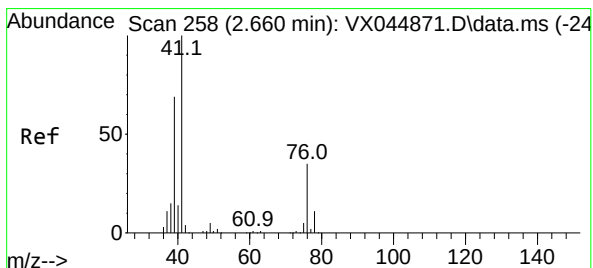
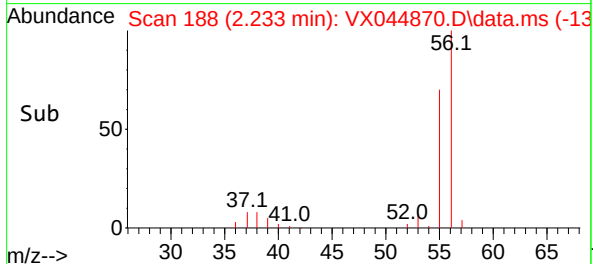
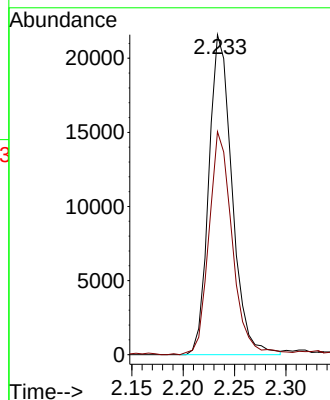
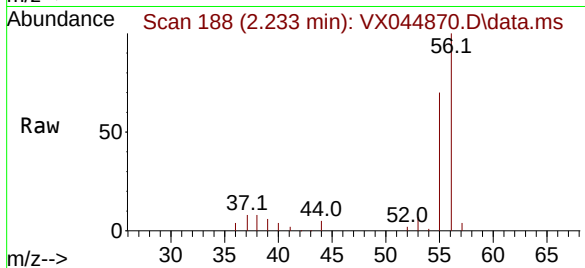
55 70.1 55.7 83.5

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

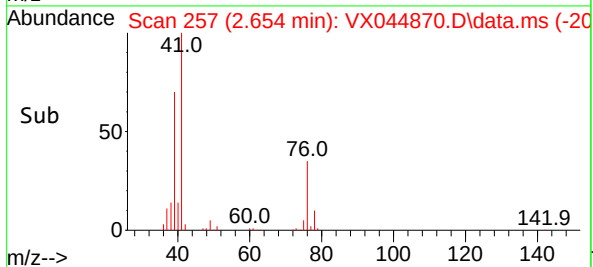
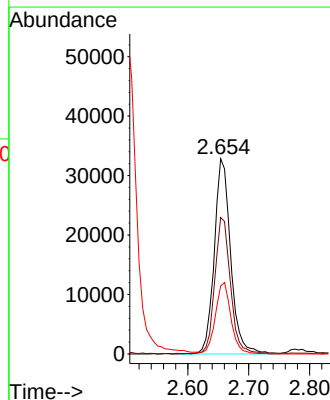
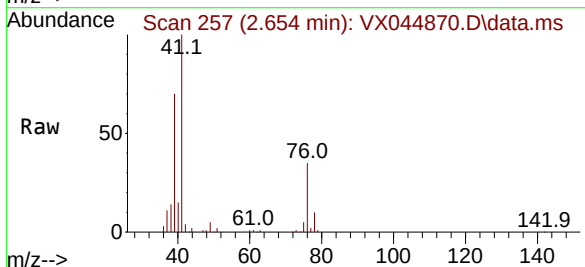
Tgt Ion: 41 Resp: 61485

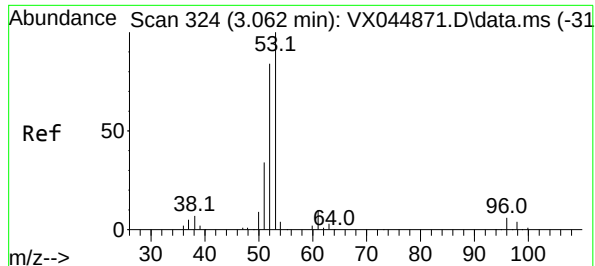
Ion Ratio Lower Upper

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 :

VSTDIC020

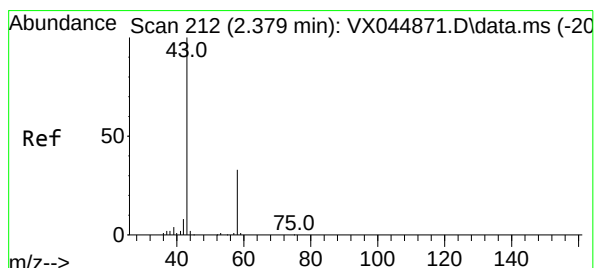
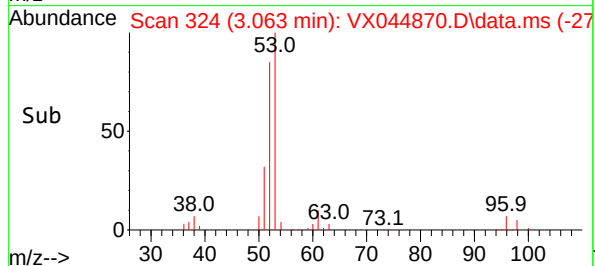
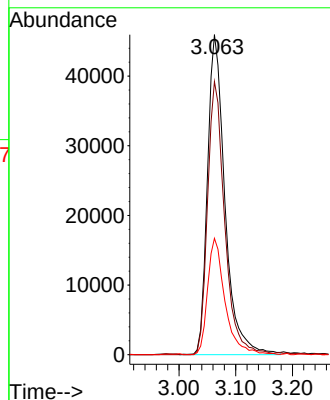
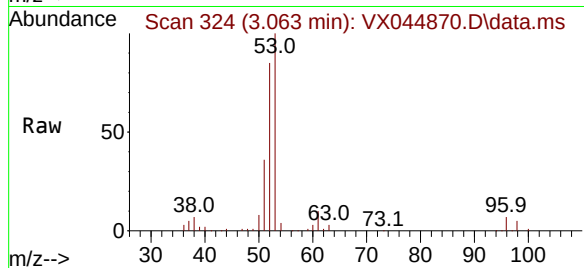
Tgt Ion:	53	Resp:	98518
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.0	97.6
51	36.3	28.0	42.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#16

Acetone

Concen: 101.119 ug/l

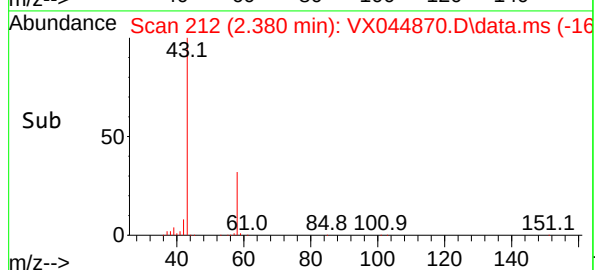
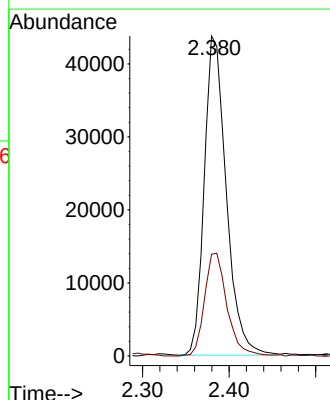
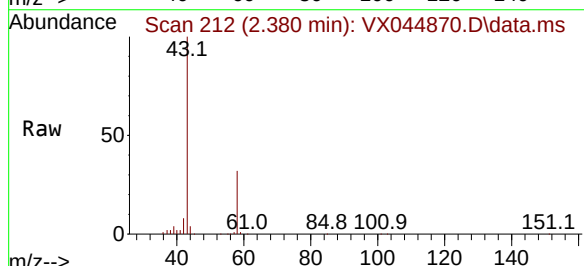
RT: 2.380 min Scan# 212

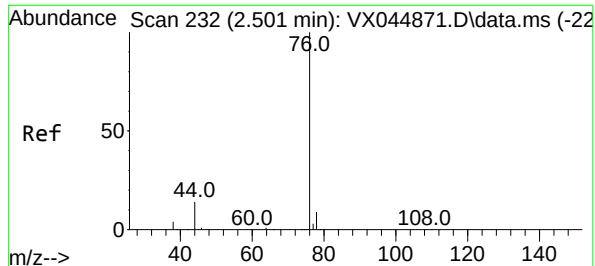
Delta R.T. 0.000 min

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 :

VSTDIC020

Tgt Ion: 76 Resp: 92552

Ion Ratio Lower Upper

76 100

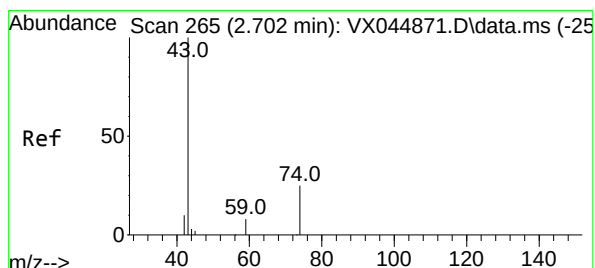
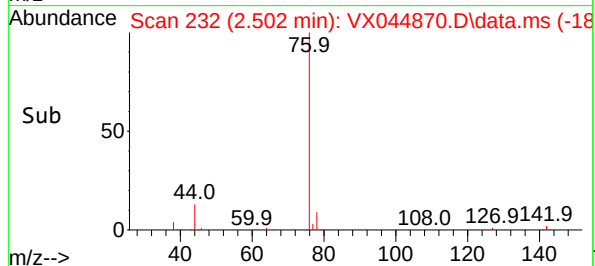
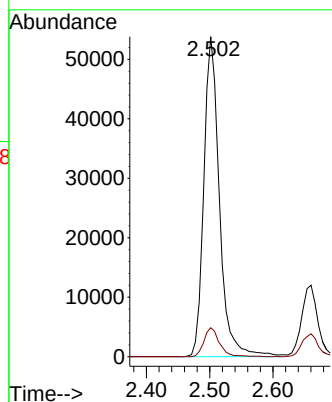
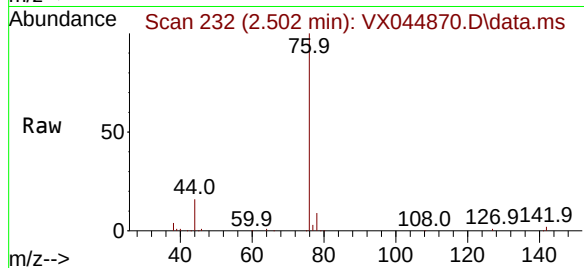
78 9.0 7.0 10.4

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

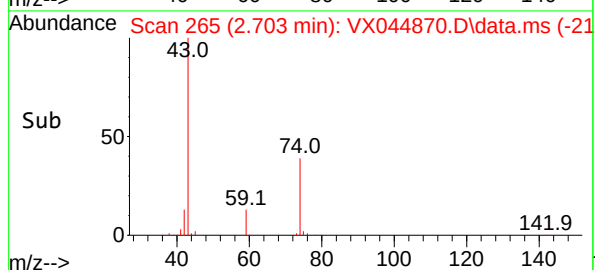
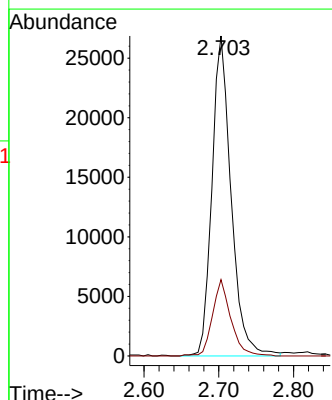
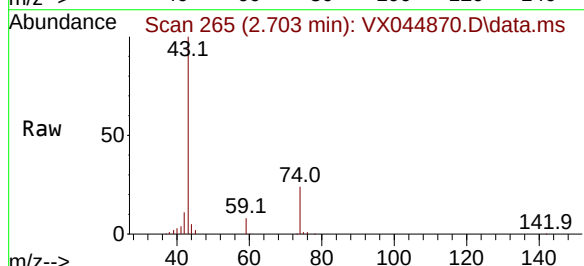
Acq: 10 Feb 2025 11:11

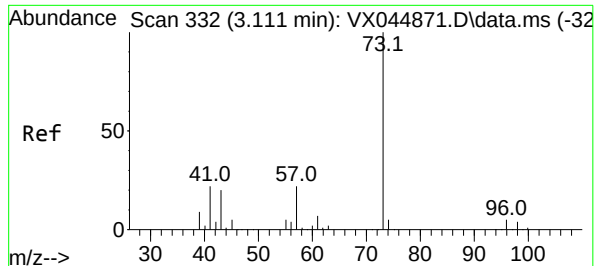
Tgt Ion: 43 Resp: 47970

Ion Ratio Lower Upper

43 100

74 22.9 18.9 28.3





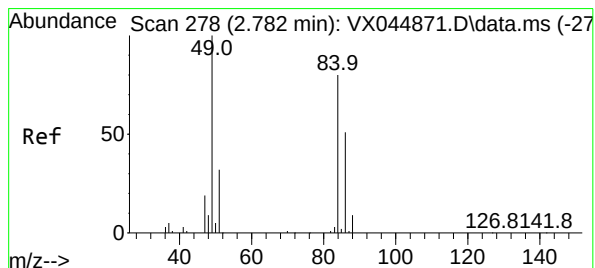
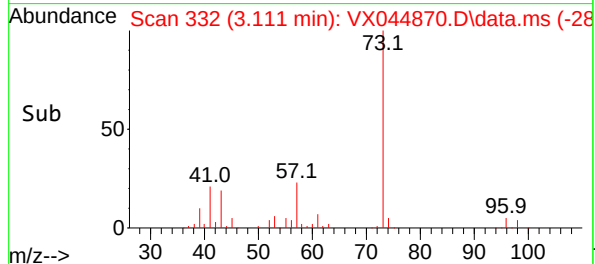
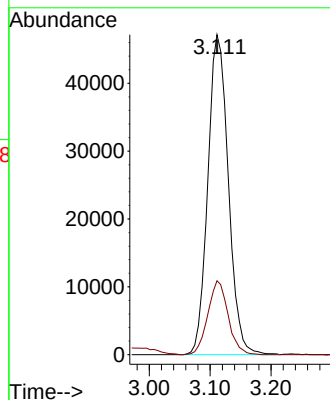
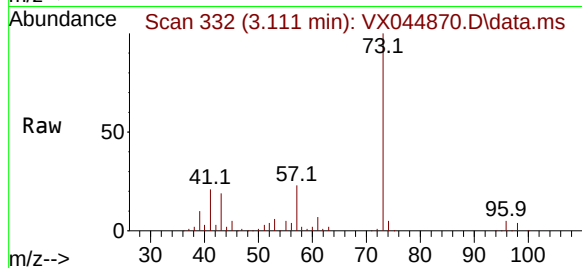
#19
Methyl tert-butyl Ether
Concen: 20.779 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

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

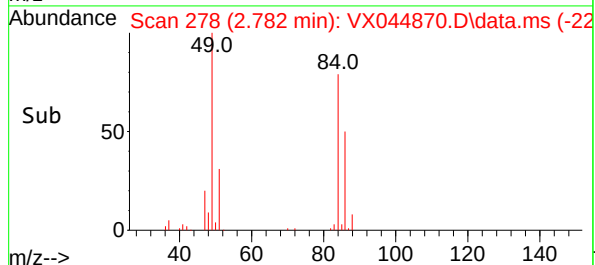
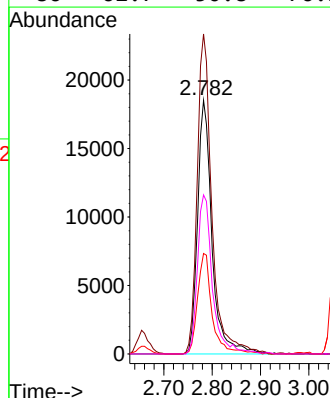
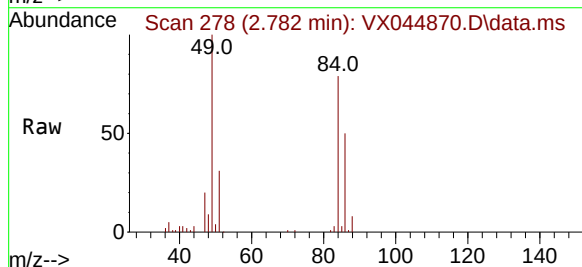
Manual Integrations
APPROVED

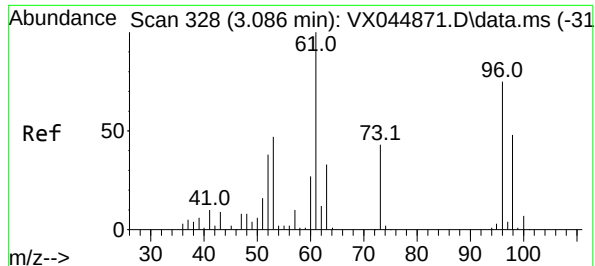
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#20
Methylene Chloride
Concen: 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

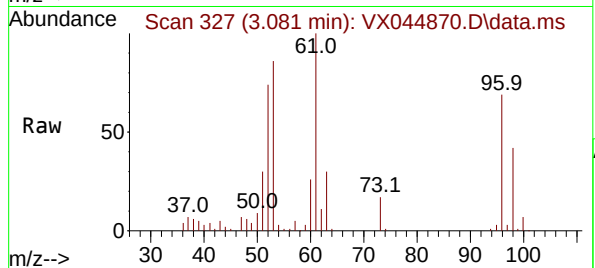
Tgt Ion: 84 Resp: 38390
Ion Ratio Lower Upper
84 100
49 126.2 100.1 150.1
51 39.6 31.7 47.5
86 62.7 50.8 76.2





#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

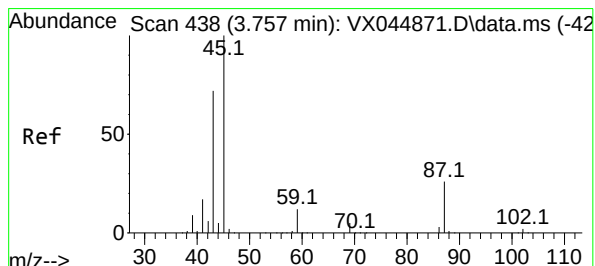
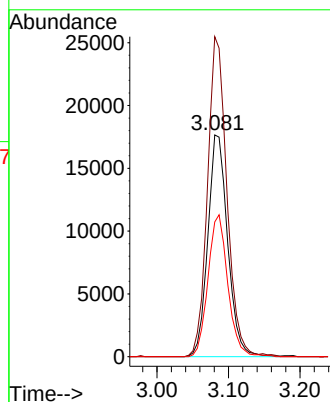
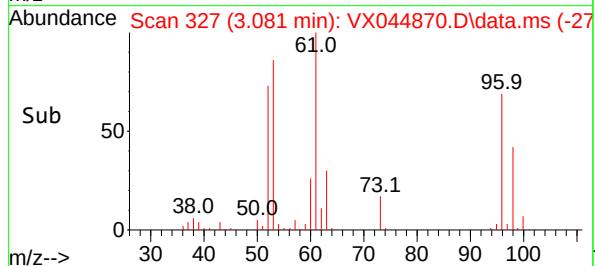
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



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

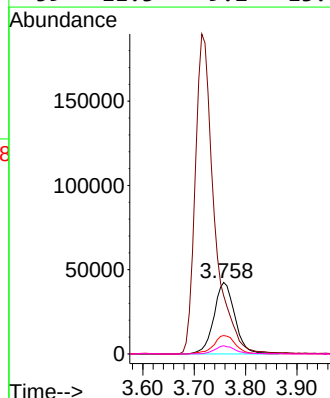
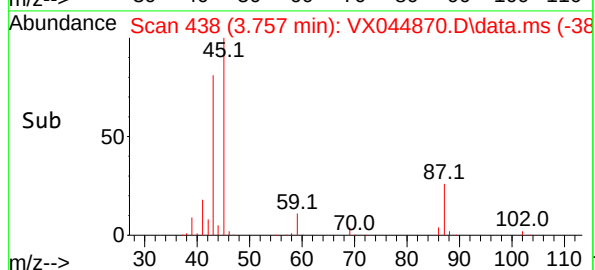
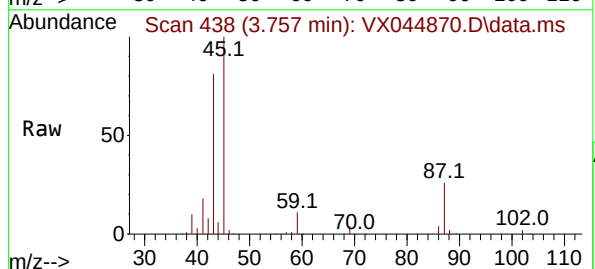
Manual Integrations
APPROVED

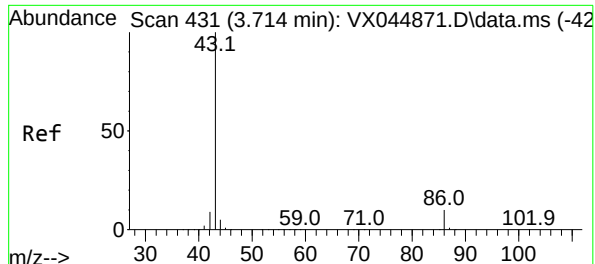
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

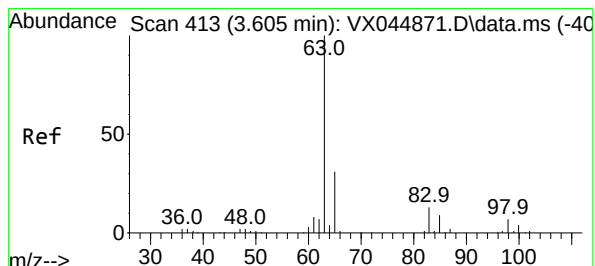
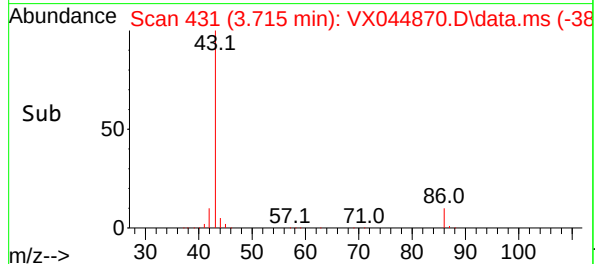
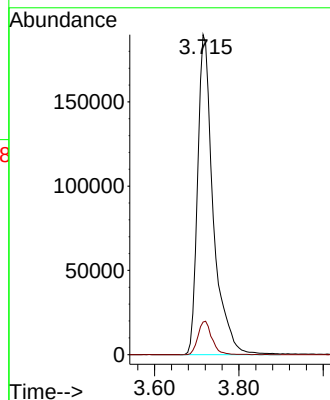
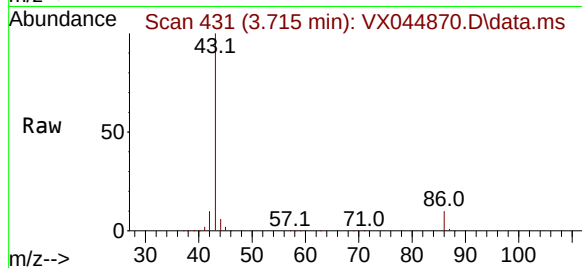
86 10.2 8.3 12.5

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

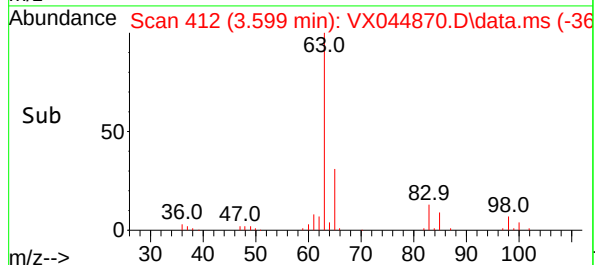
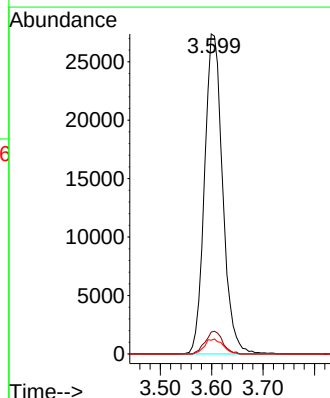
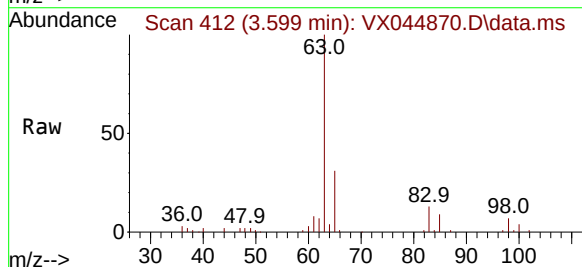
Tgt Ion: 63 Resp: 66942

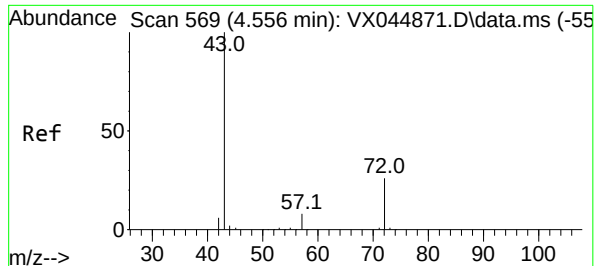
Ion Ratio Lower Upper

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# 50

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: 13048

Ion Ratio Lower Upper

43 100

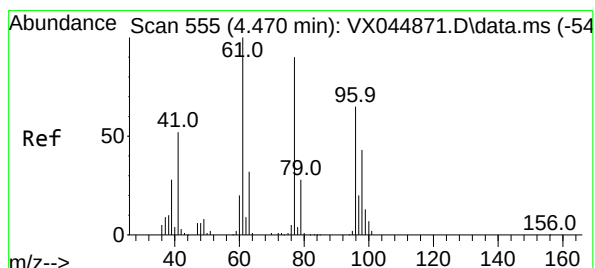
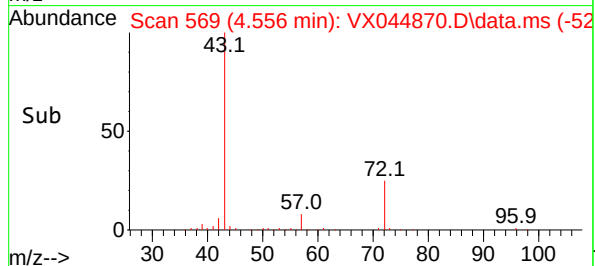
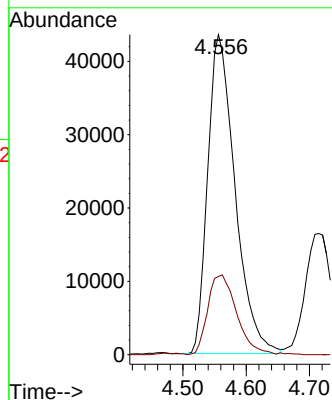
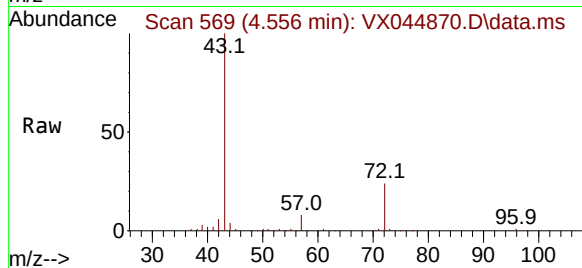
72 24.2 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#26

2,2-Dichloropropane

Concen: 20.451 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX044870.D

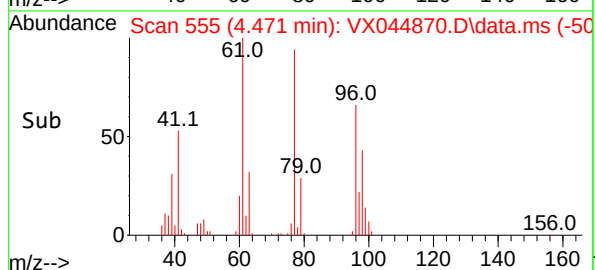
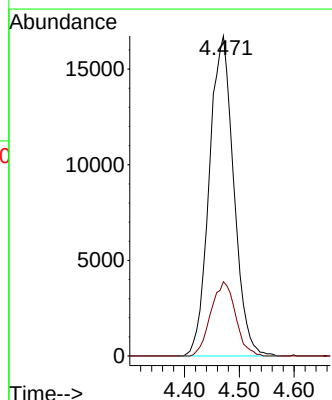
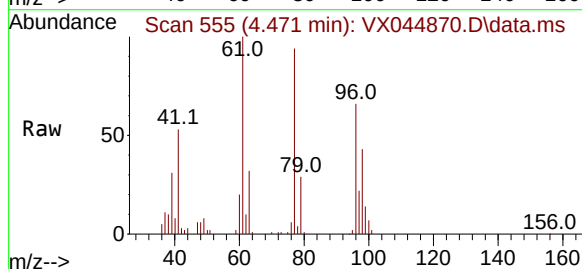
Acq: 10 Feb 2025 11:11

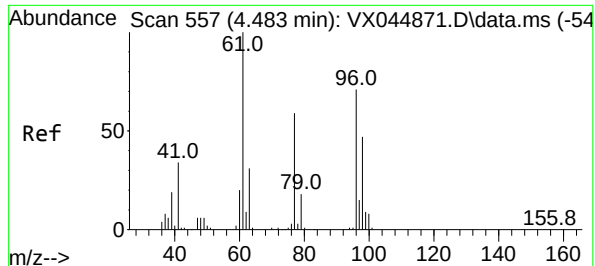
Tgt Ion: 77 Resp: 51803

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

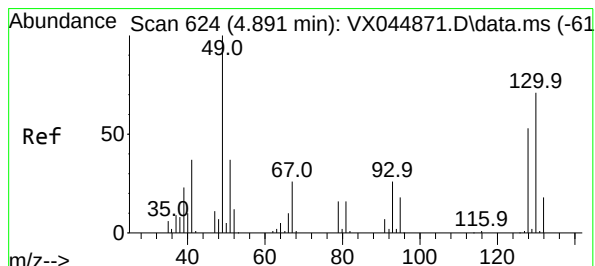
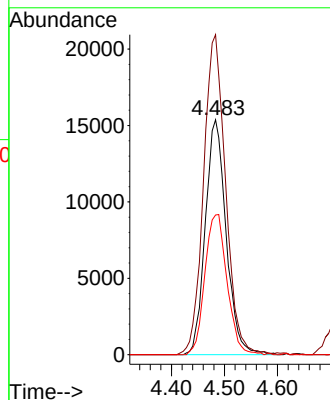
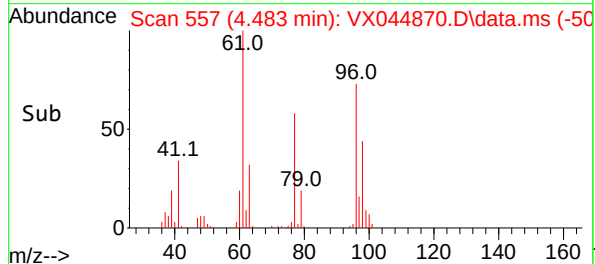
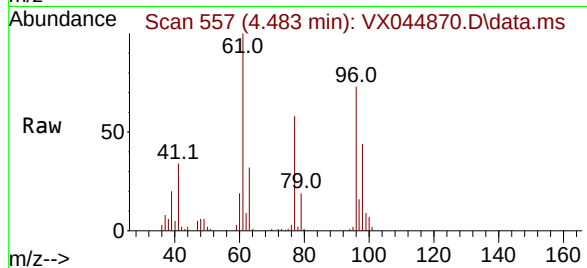
98 63.4 0.0 131.2

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

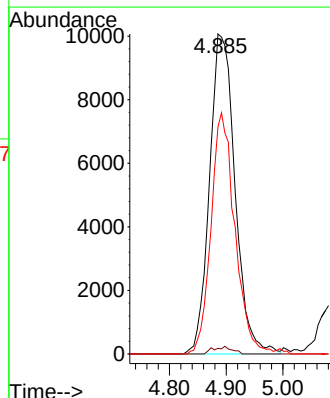
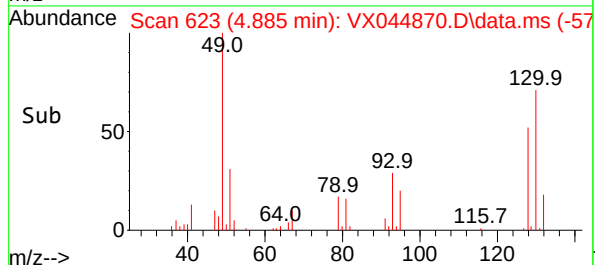
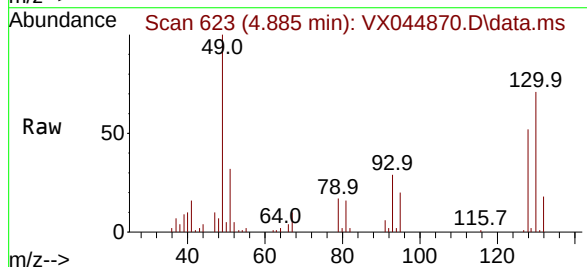
Tgt Ion: 49 Resp: 31474

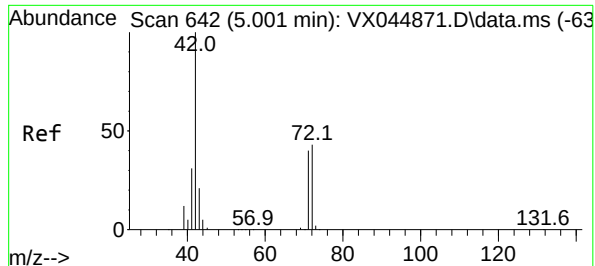
Ion Ratio Lower Upper

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 :

VSTDIC020

Tgt Ion: 42 Resp: 8687

Ion Ratio Lower Upper

42 100

72 44.9 35.0 52.4

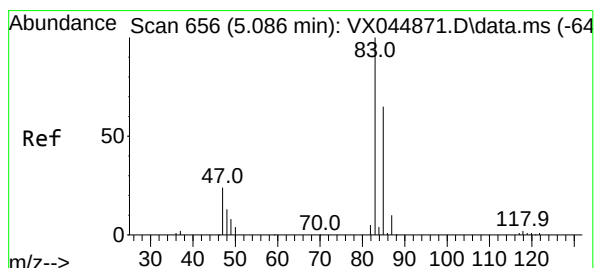
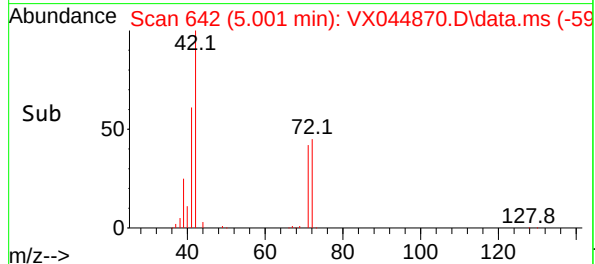
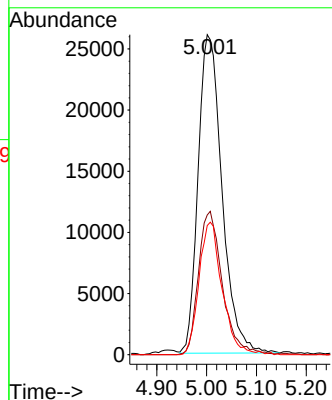
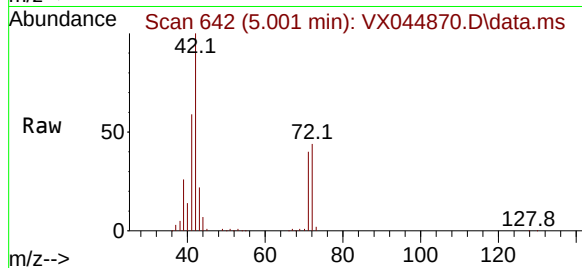
71 40.4 32.6 48.8

Manual Integrations

APPROVED

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

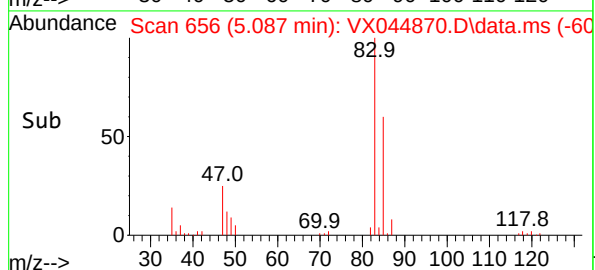
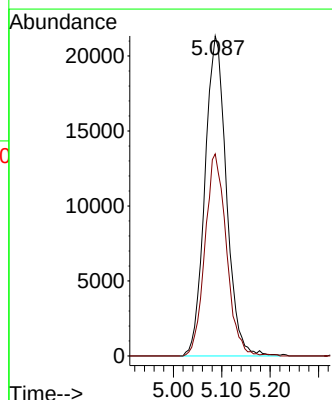
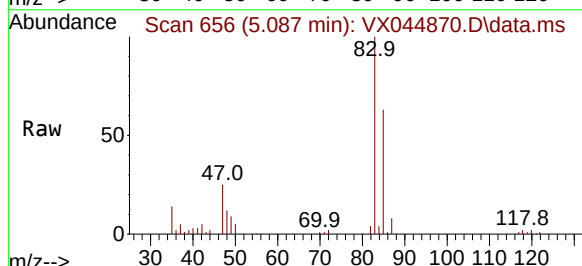
Acq: 10 Feb 2025 11:11

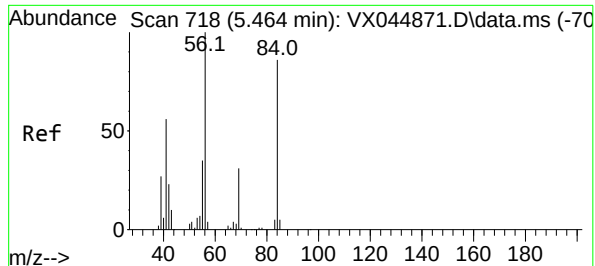
Tgt Ion: 83 Resp: 65721

Ion Ratio Lower Upper

83 100

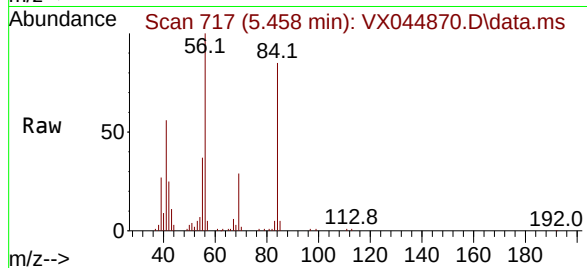
85 63.2 52.1 78.1





#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

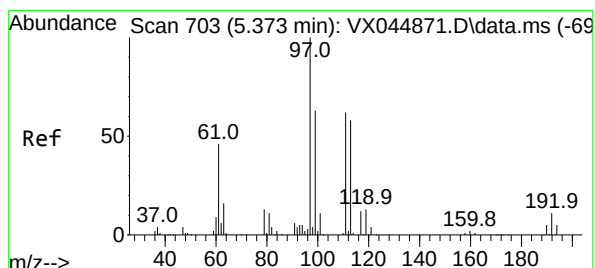
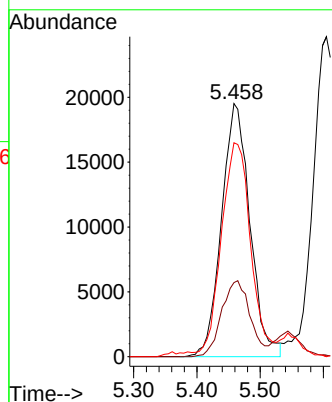
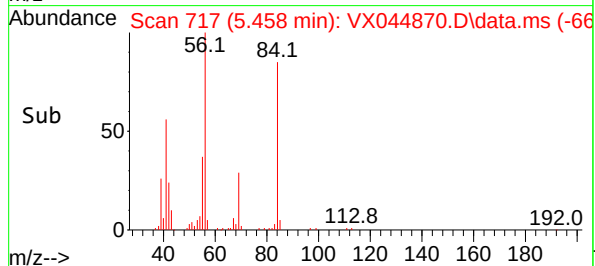
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



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

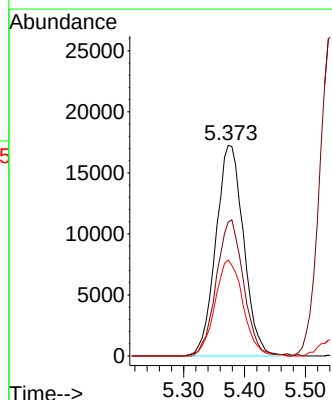
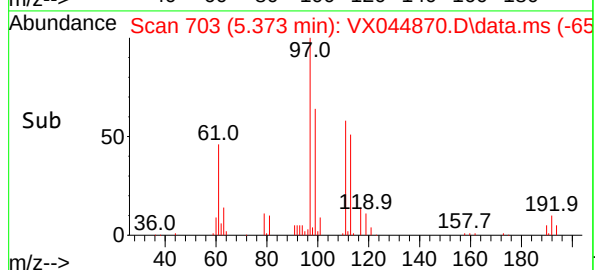
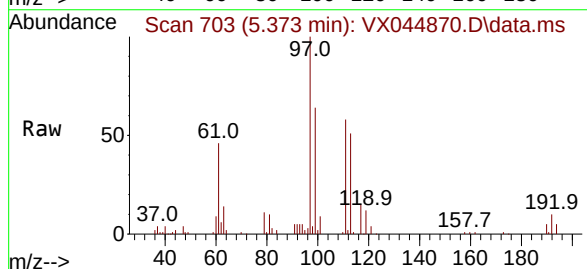
Manual Integrations
APPROVED

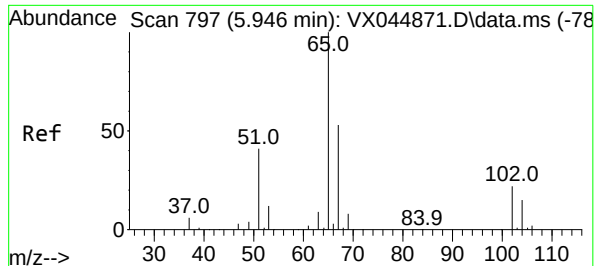
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

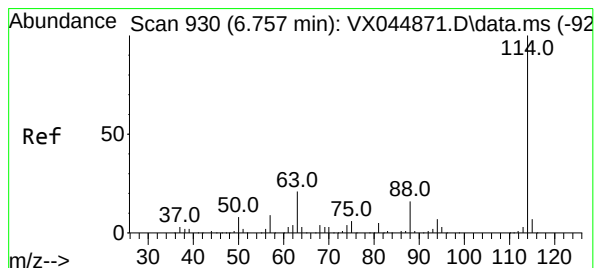
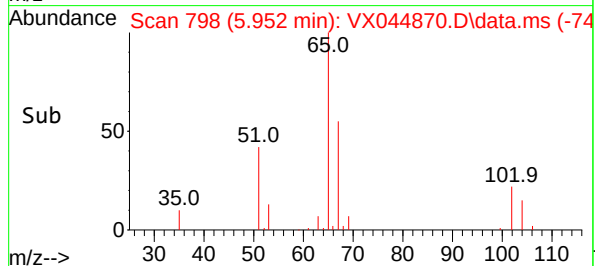
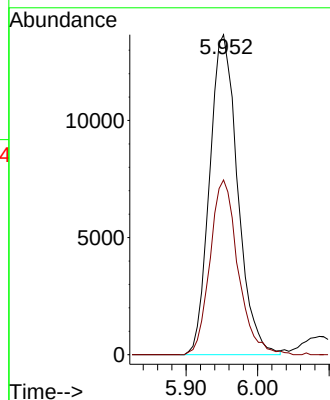
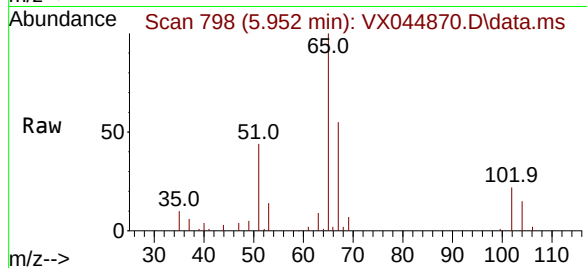
67 54.6 0.0 108.2

Manual Integrations

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: VX044870.D

Acq: 10 Feb 2025 11:11

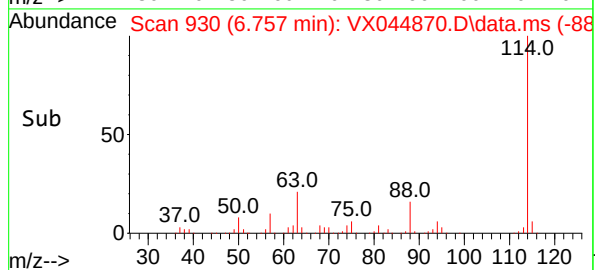
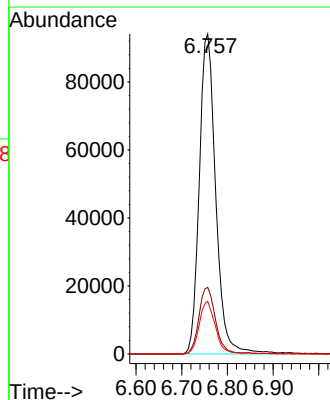
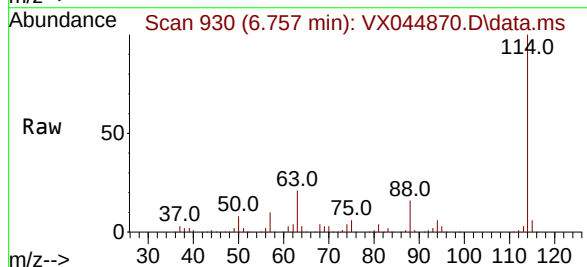
Tgt Ion:114 Resp: 234445

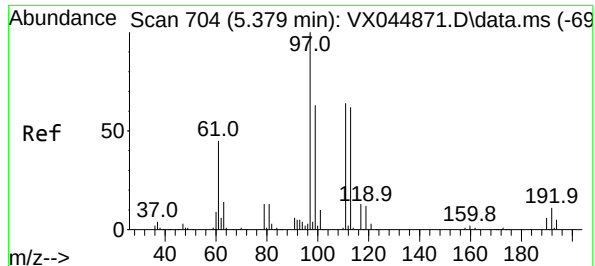
Ion Ratio Lower Upper

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 :

VSTDIC020

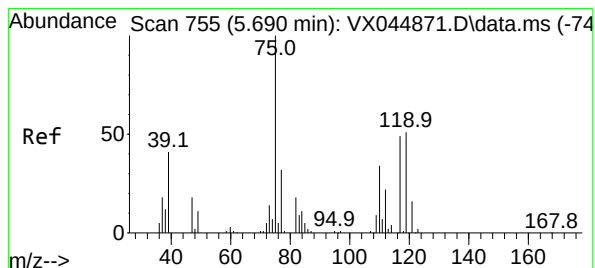
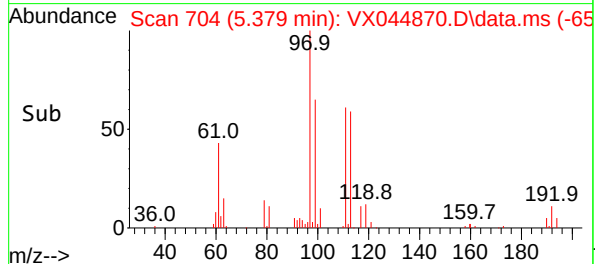
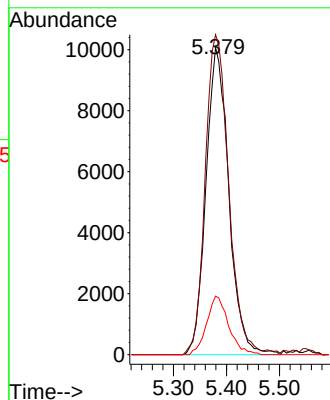
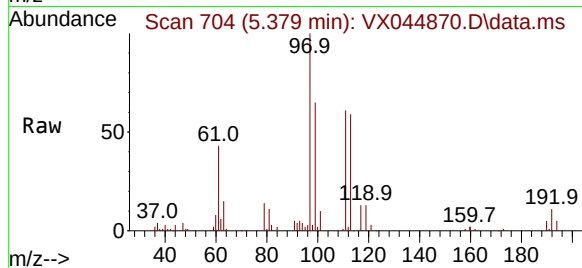
Tgt Ion:	113	Resp:	30170
Ion	Ratio	Lower	Upper
113	100		
111	106.3	83.5	125.3
192	18.3	14.4	21.6

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

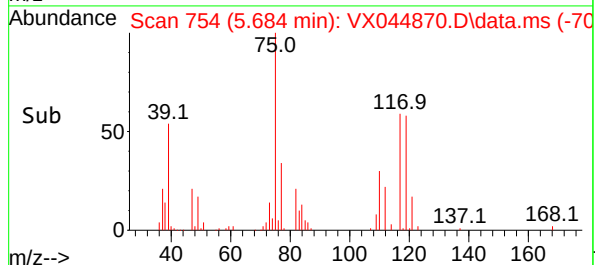
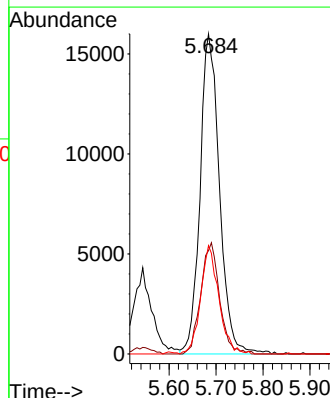
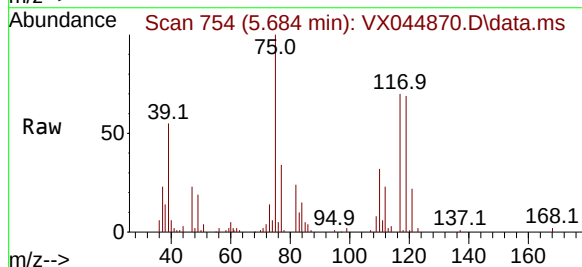
RT: 5.684 min Scan# 754

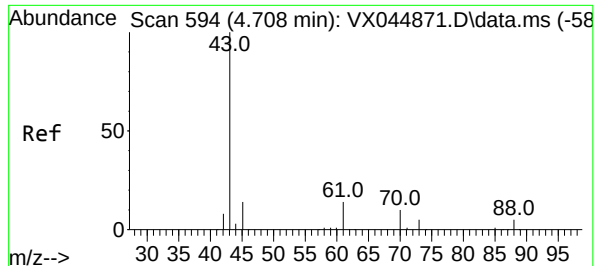
Delta R.T. -0.006 min

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 :

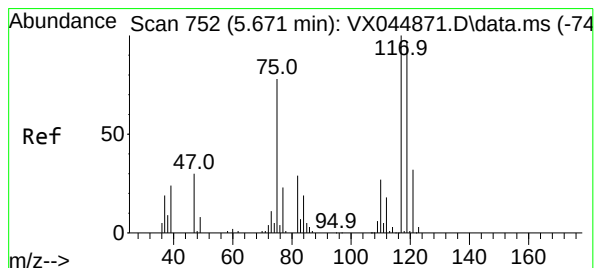
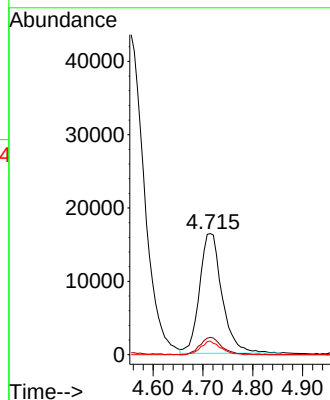
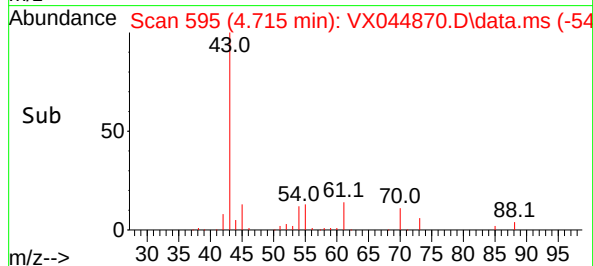
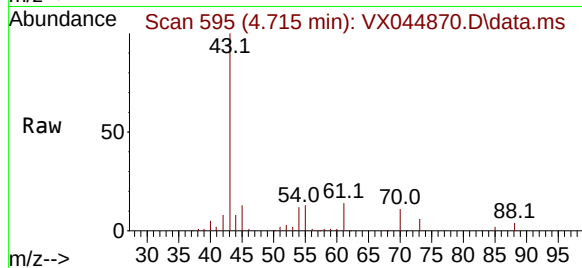
VSTDIC020

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

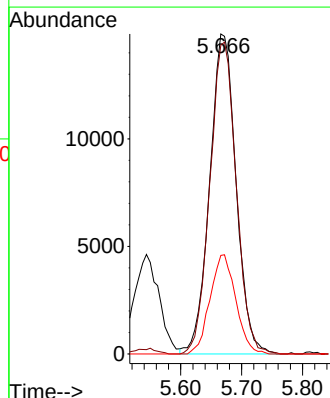
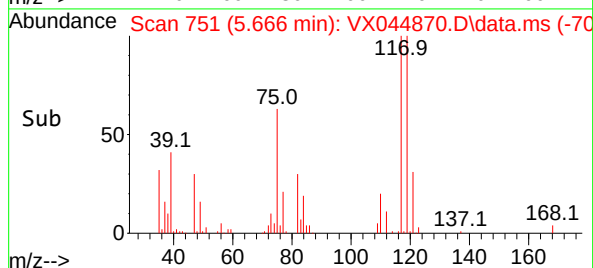
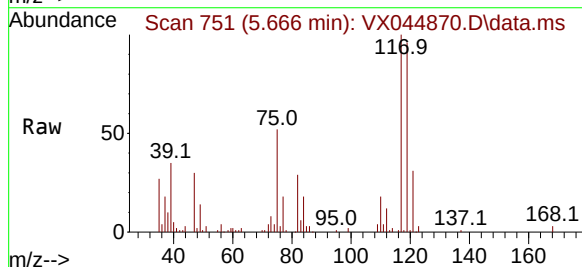
RT: 5.666 min Scan# 751

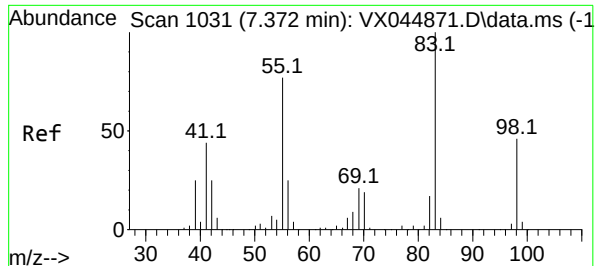
Delta R.T. -0.006 min

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 :

VSTDIC020

Tgt Ion: 83 Resp: 6250

Ion Ratio Lower Upper

83 100

55 74.3 61.3 91.9

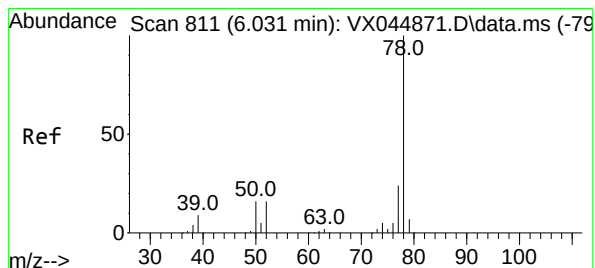
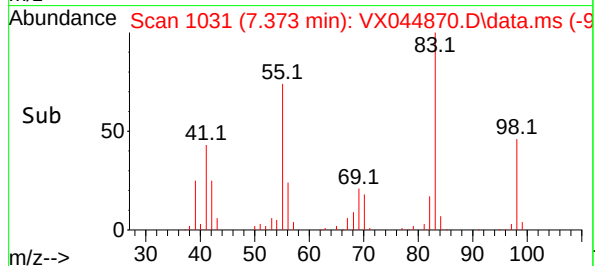
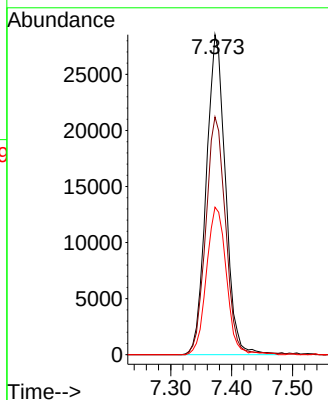
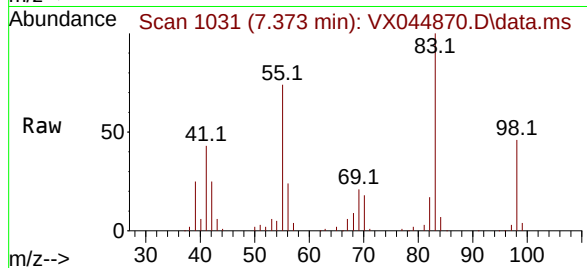
98 46.1 37.0 55.6

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

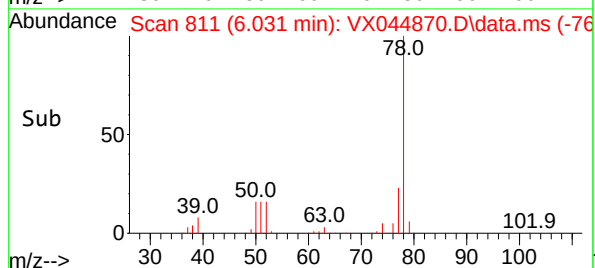
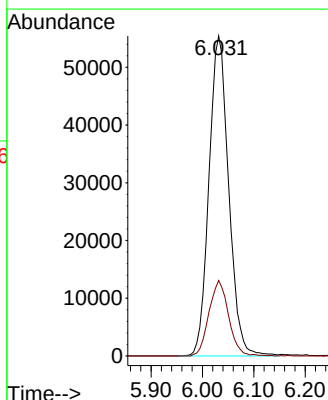
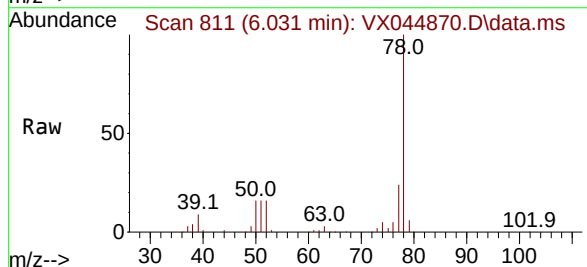
Acq: 10 Feb 2025 11:11

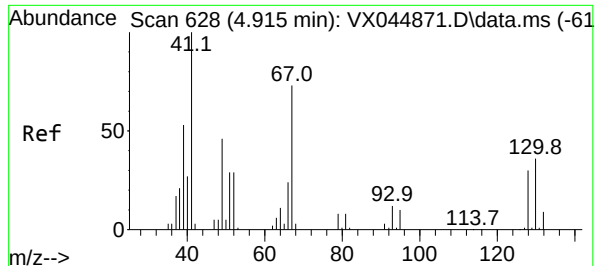
Tgt Ion: 78 Resp: 147912

Ion Ratio Lower Upper

78 100

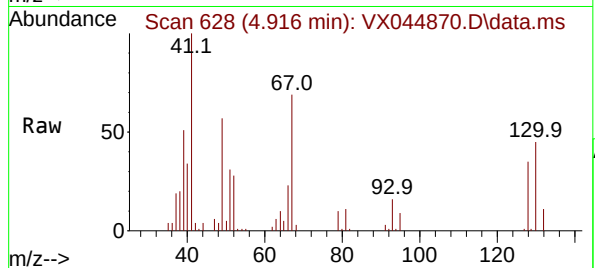
77 23.6 19.0 28.6





#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

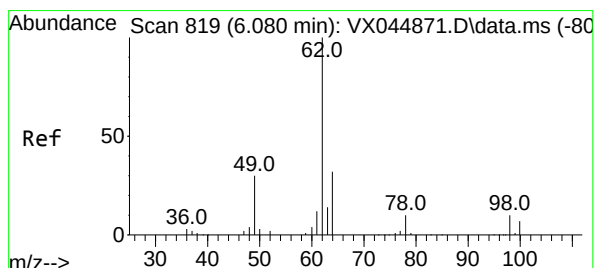
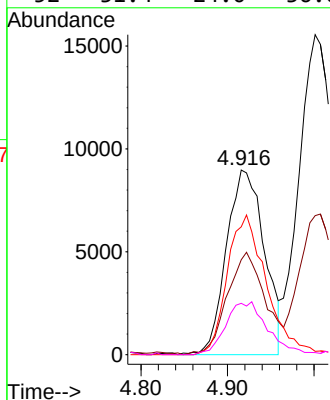
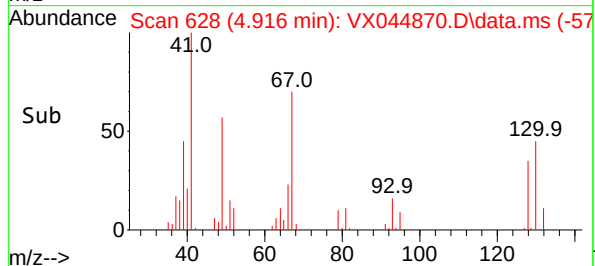
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



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

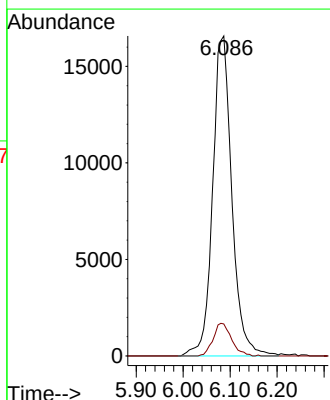
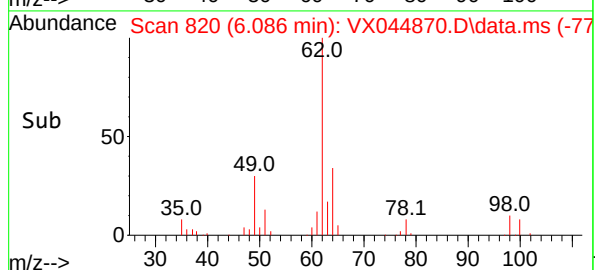
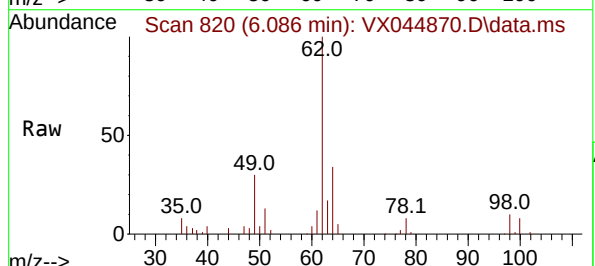
Manual Integrations
APPROVED

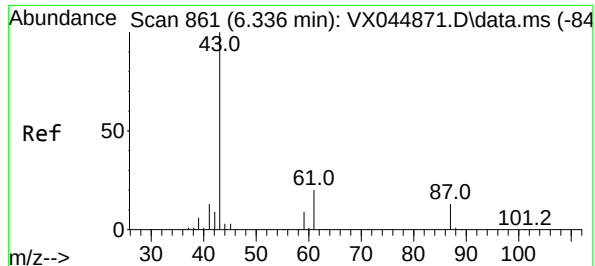
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

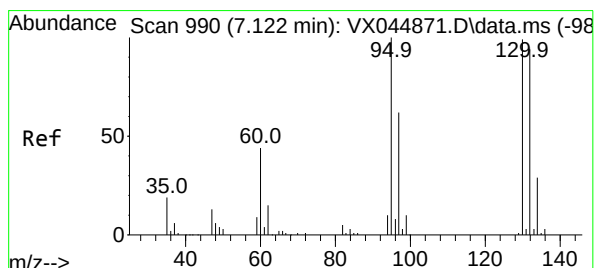
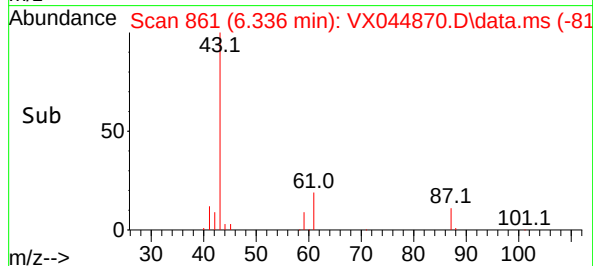
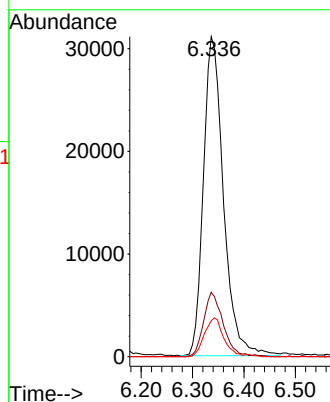
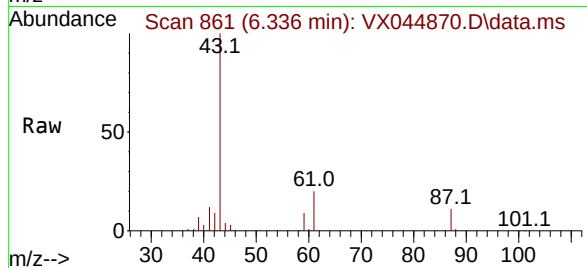
87 11.6 10.0 15.0

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

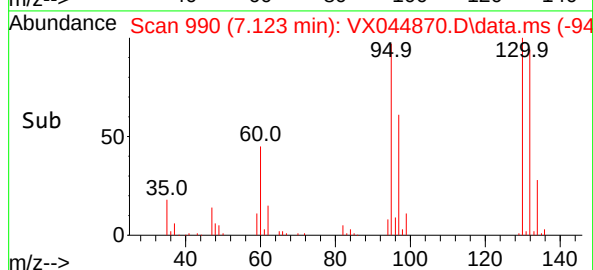
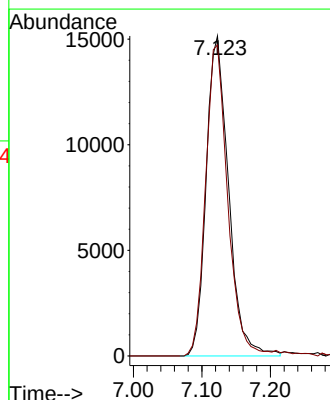
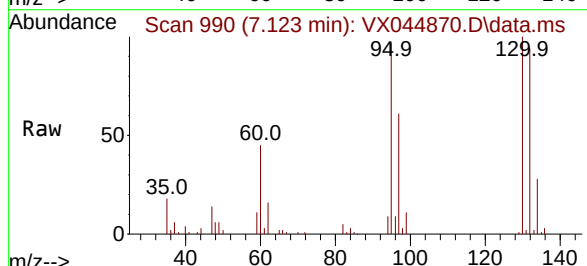
Acq: 10 Feb 2025 11:11

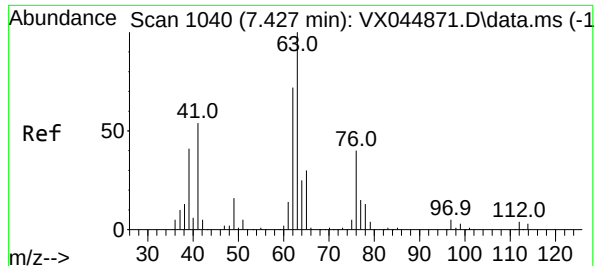
Tgt Ion:130 Resp: 34390

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

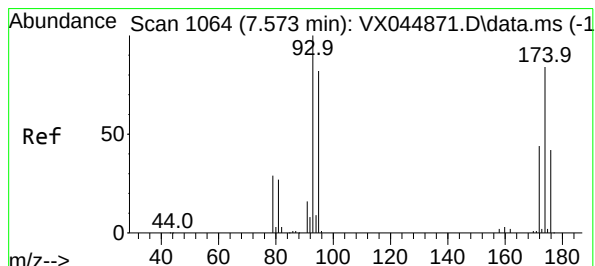
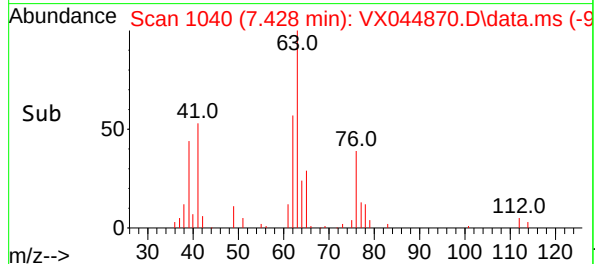
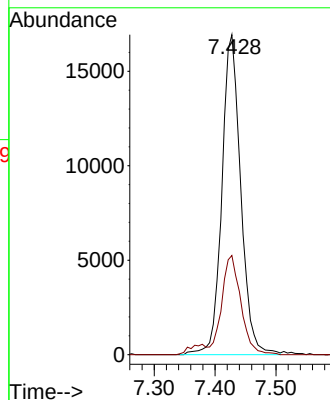
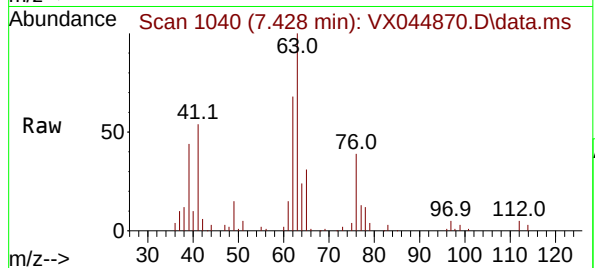
65 31.0 24.2 36.4

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

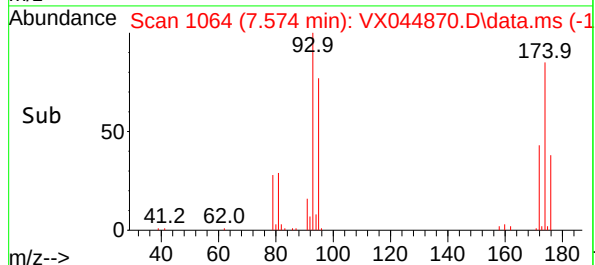
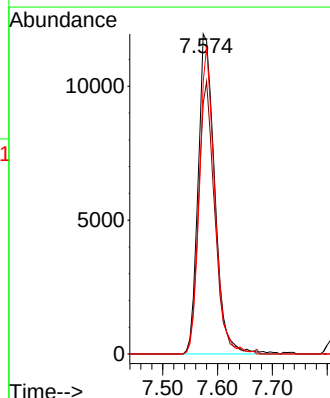
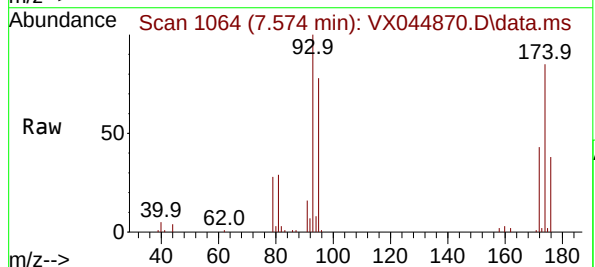
Tgt Ion: 93 Resp: 25300

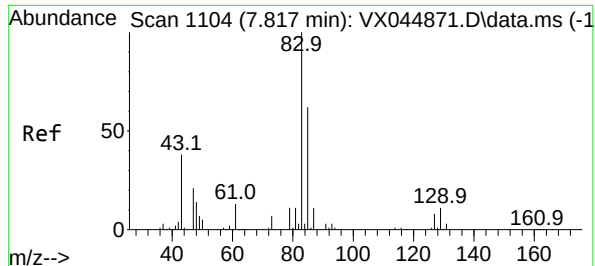
Ion Ratio Lower Upper

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

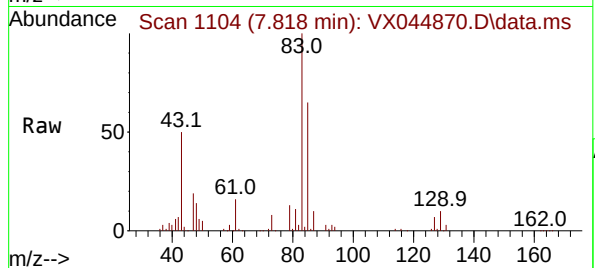
Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020



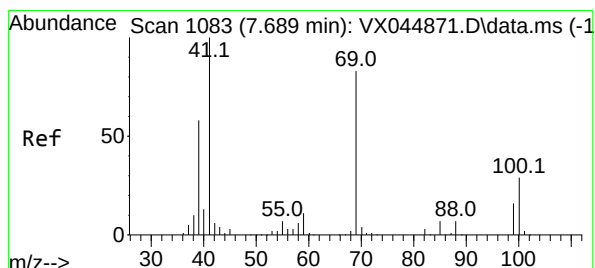
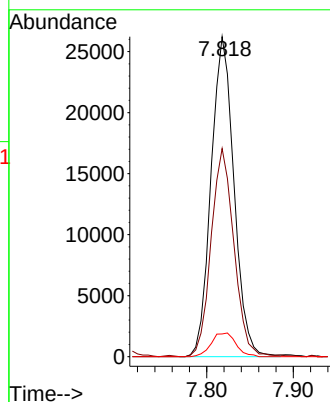
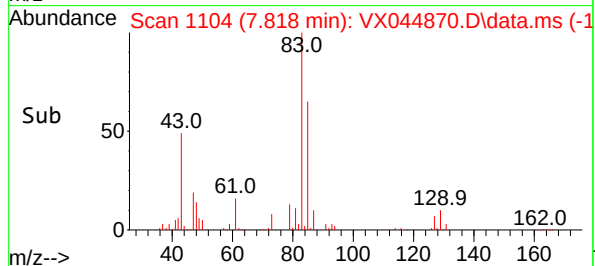
Tgt Ion:	83	Resp:	4820
Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.0	75.0
127	7.1	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#48

Methyl methacrylate

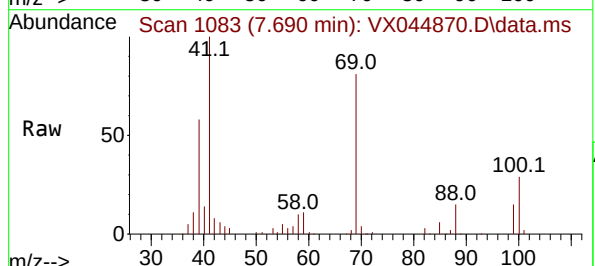
Concen: 21.341 ug/l

RT: 7.690 min Scan# 1083

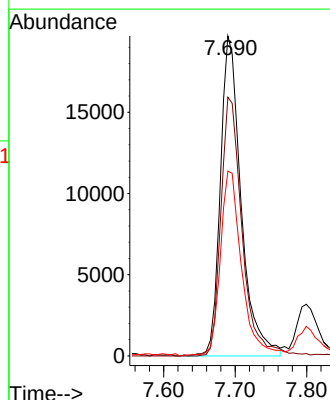
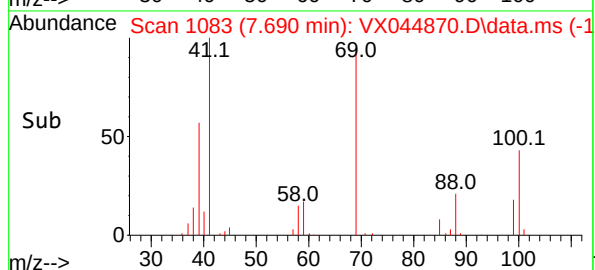
Delta R.T. 0.000 min

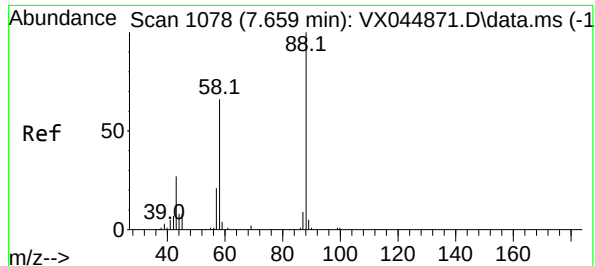
Lab File: VX044870.D

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

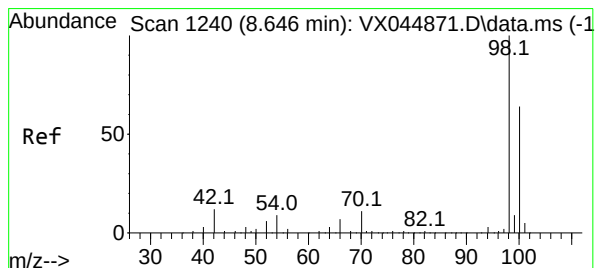
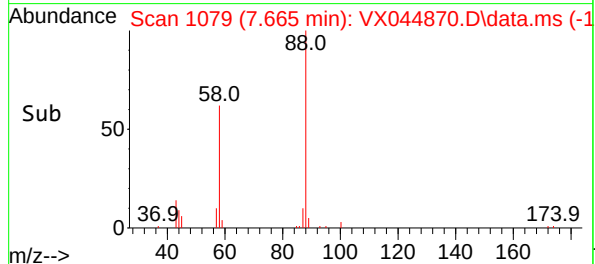
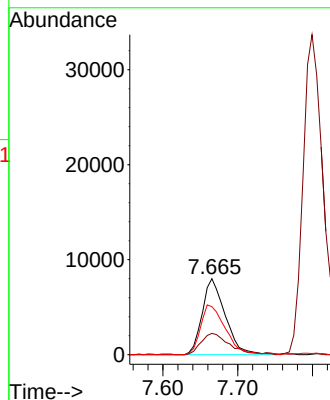
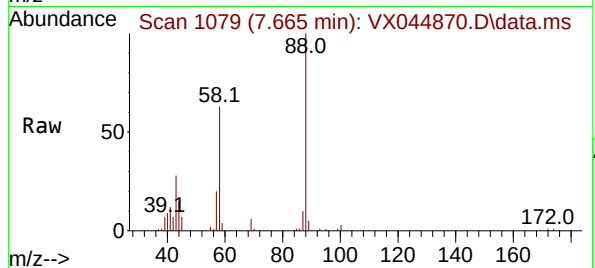
Tgt Ion:	88	Resp:	1715
Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.6	39.8
58	69.3	55.9	83.9

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

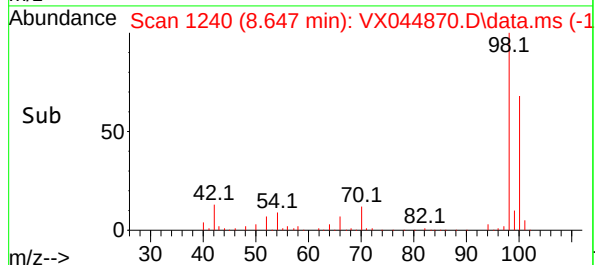
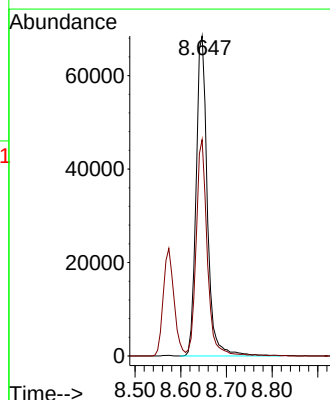
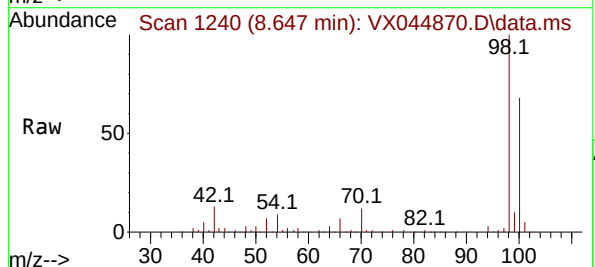
RT: 8.647 min Scan# 1240

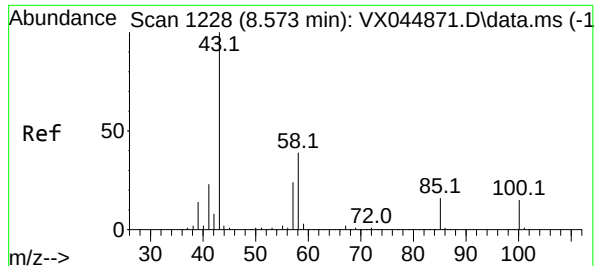
Delta R.T. 0.000 min

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 :

VSTDIC020

Tgt Ion: 43 Resp: 263394

Ion Ratio Lower Upper

43 100

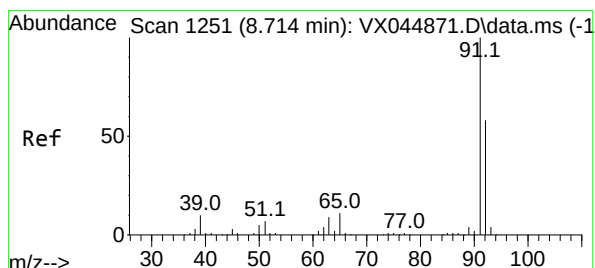
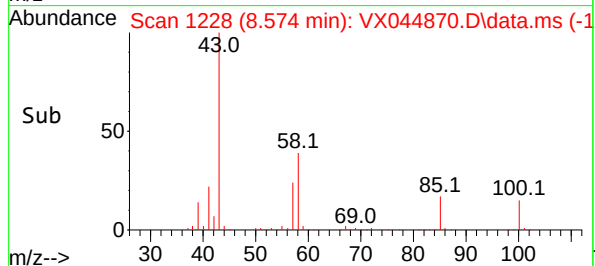
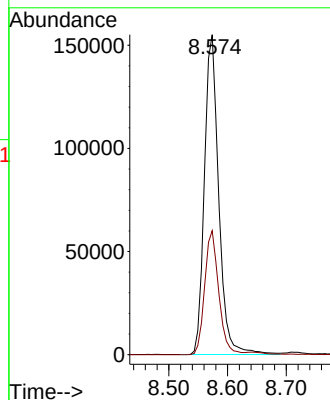
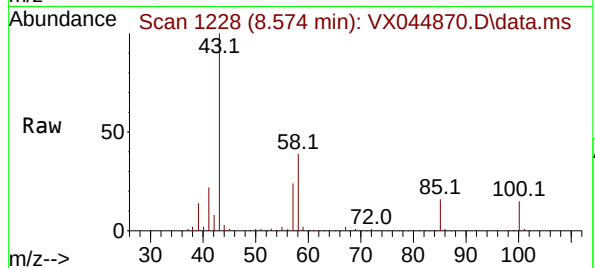
58 38.1 30.8 46.2

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

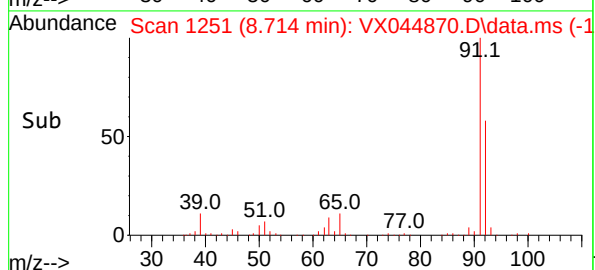
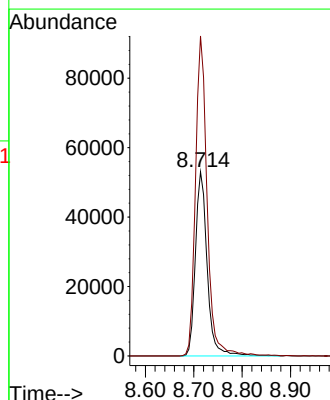
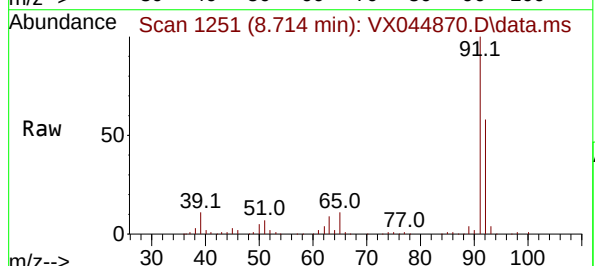
Acq: 10 Feb 2025 11:11

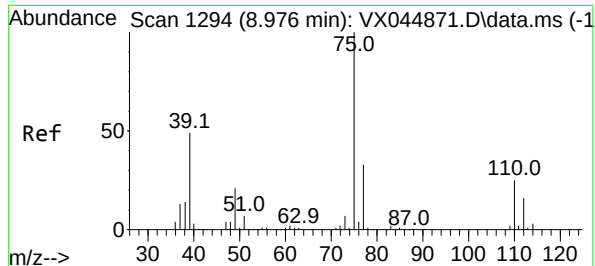
Tgt Ion: 92 Resp: 89726

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

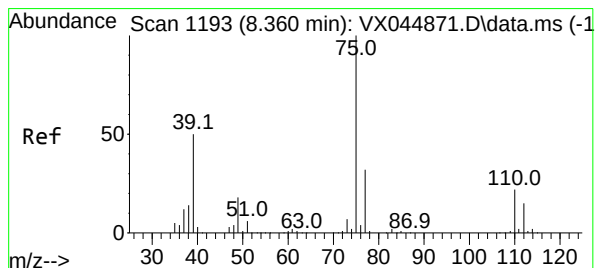
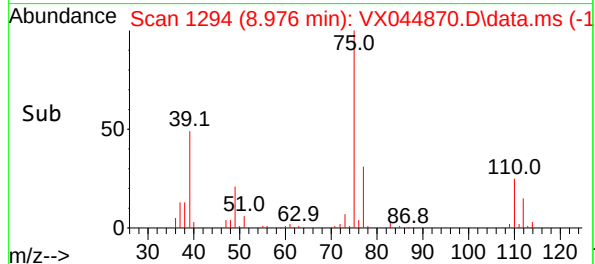
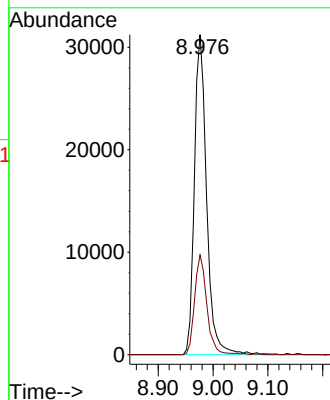
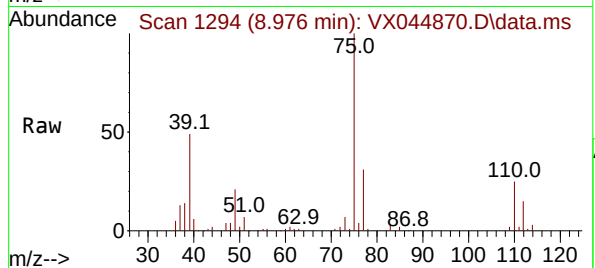
77 31.2 26.0 39.0

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

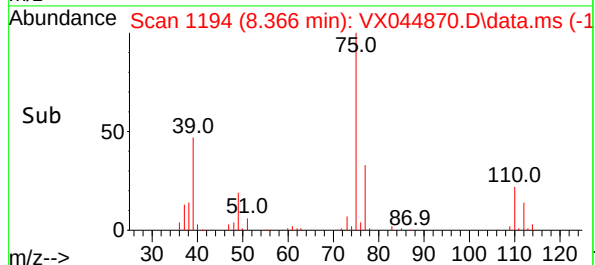
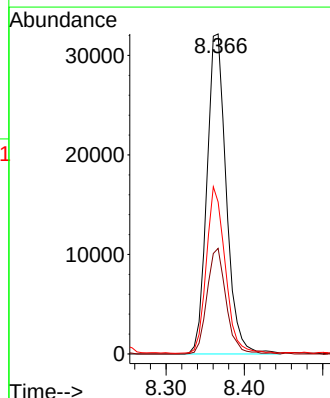
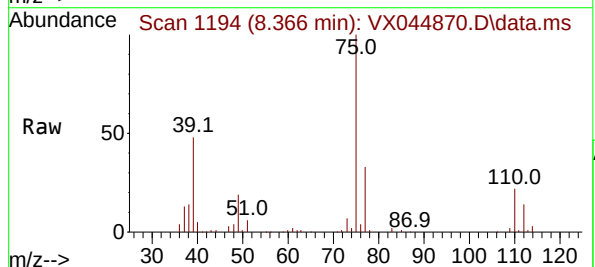
Tgt Ion: 75 Resp: 55026

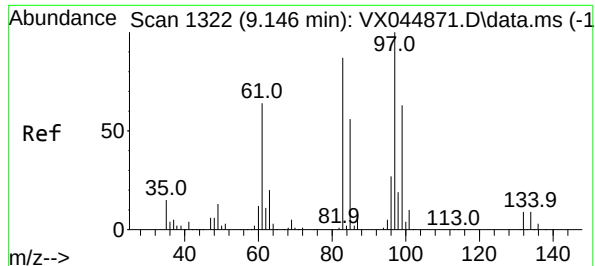
Ion Ratio Lower Upper

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

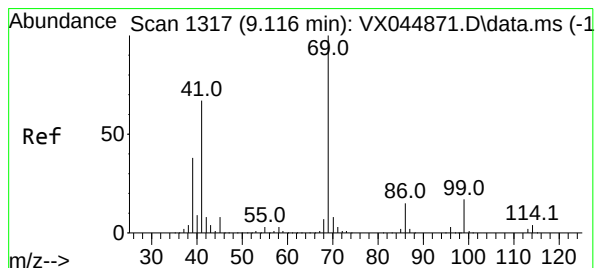
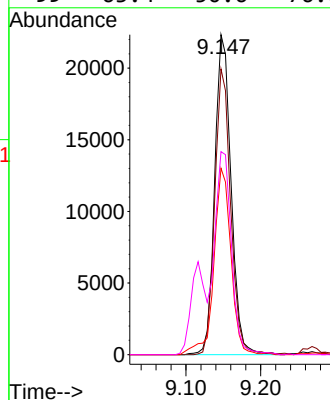
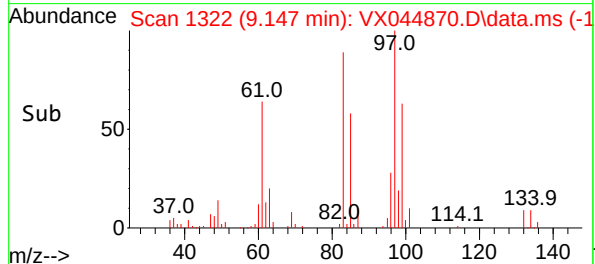
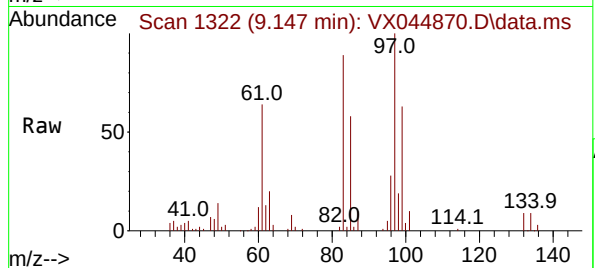
99 63.4 50.6 76.0

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

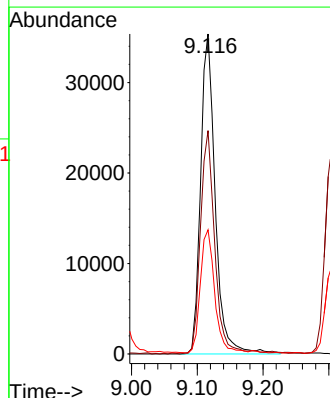
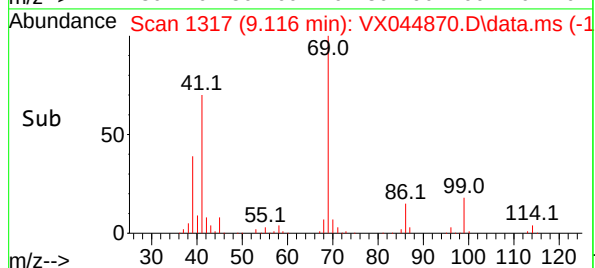
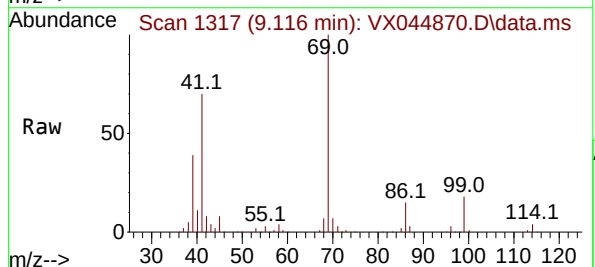
Tgt Ion: 69 Resp: 54674

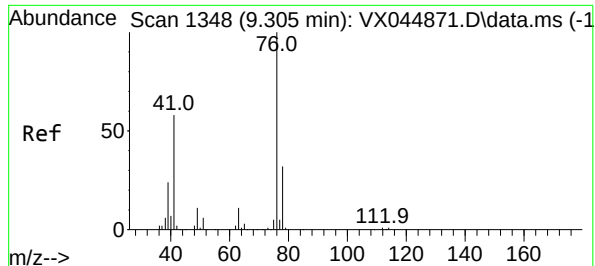
Ion Ratio Lower Upper

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

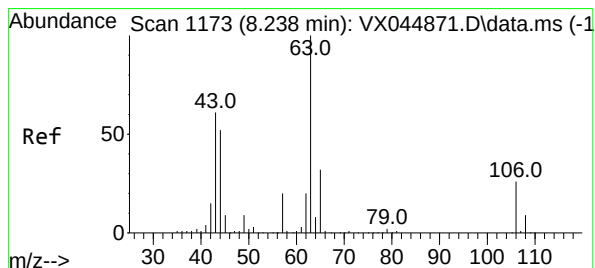
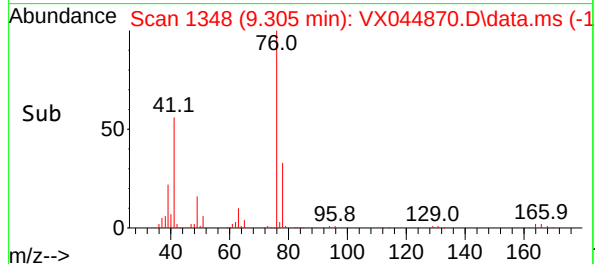
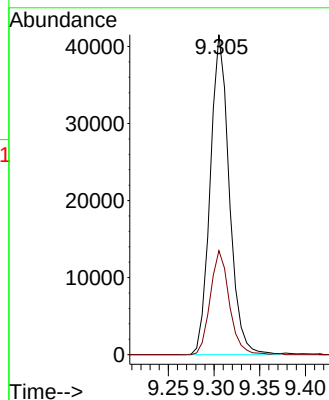
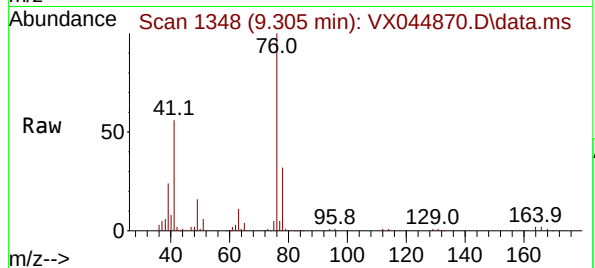
78 32.6 25.8 38.8

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

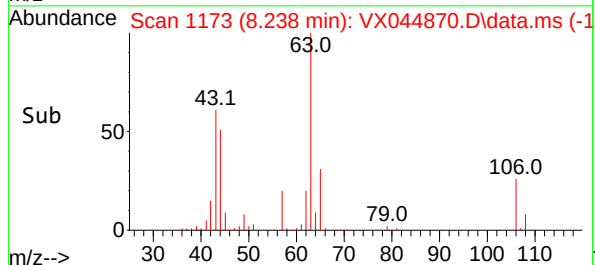
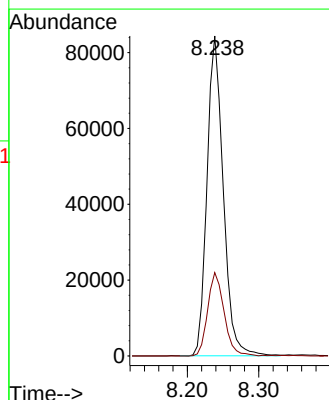
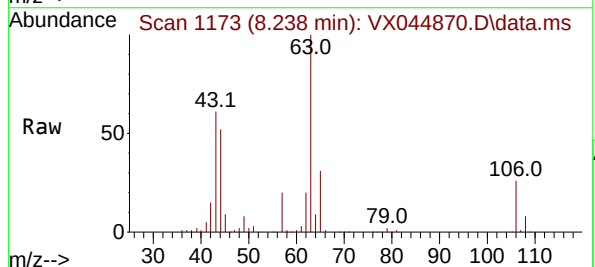
Acq: 10 Feb 2025 11:11

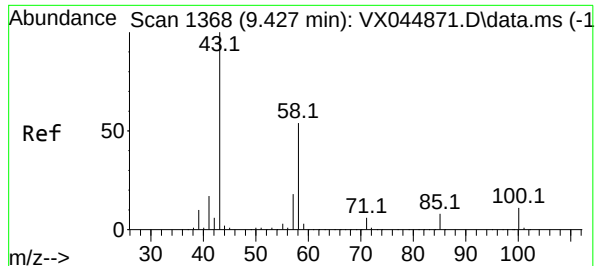
Tgt Ion: 63 Resp: 133072

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

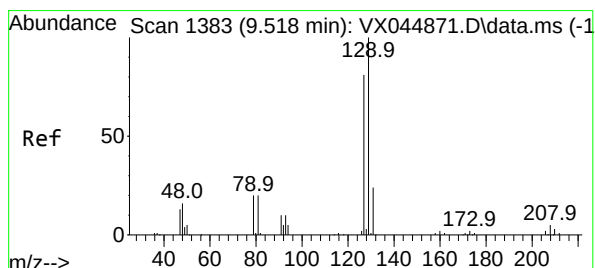
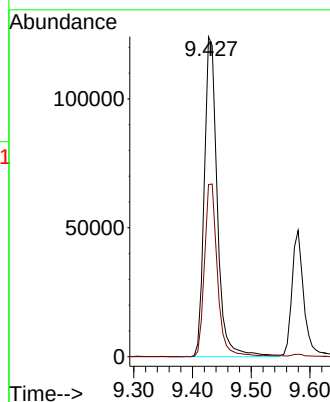
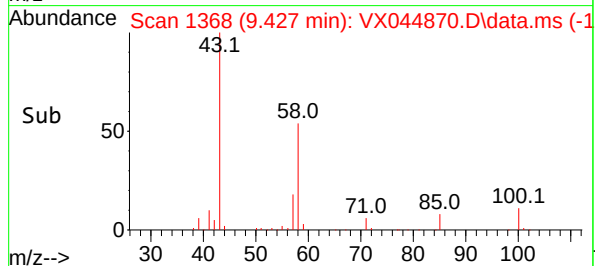
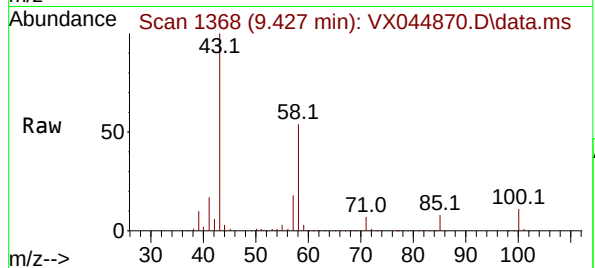
58 53.5 27.5 82.4

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

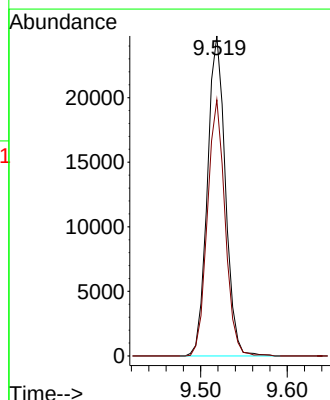
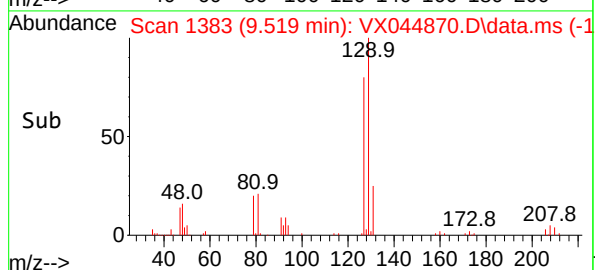
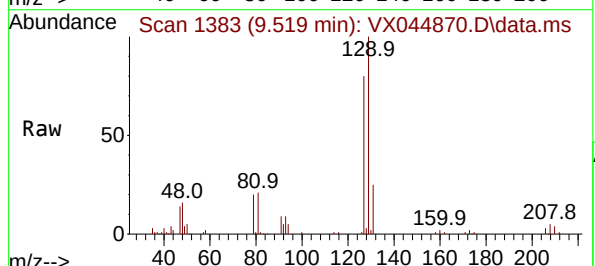
Acq: 10 Feb 2025 11:11

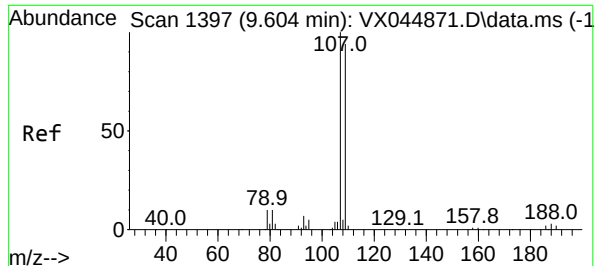
Tgt Ion:129 Resp: 35706

Ion Ratio Lower Upper

129 100

127 79.0 39.1 117.3





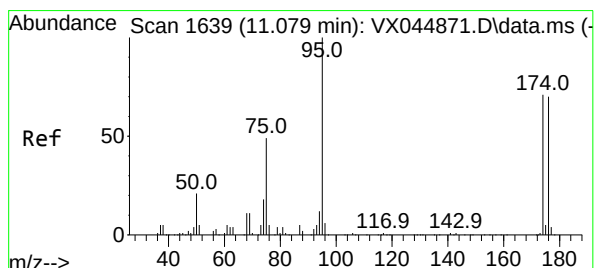
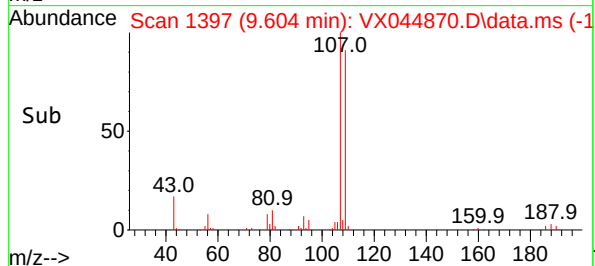
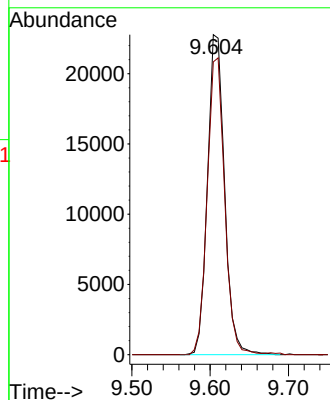
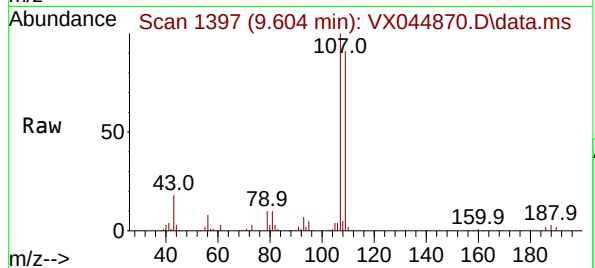
#61
1,2-Dibromoethane
Concen: 21.628 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 3446
Ion Ratio Lower Upper
107 100
109 94.5 75.9 113.9

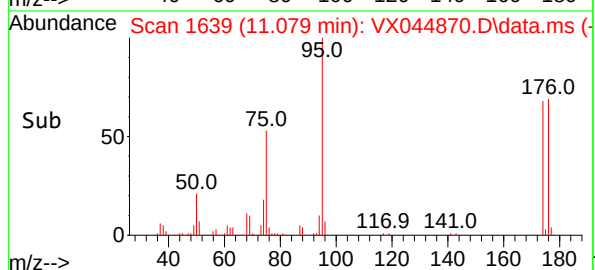
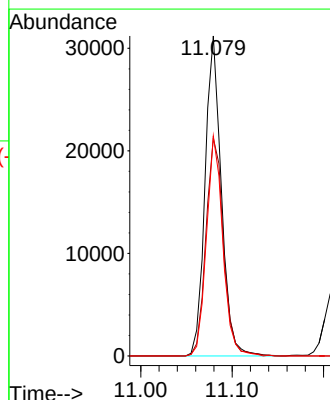
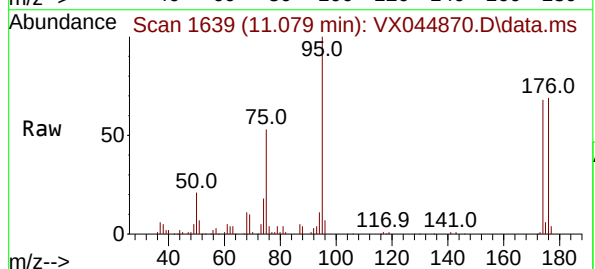
Manual Integrations
APPROVED

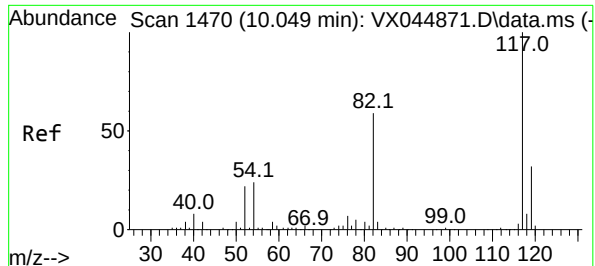
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

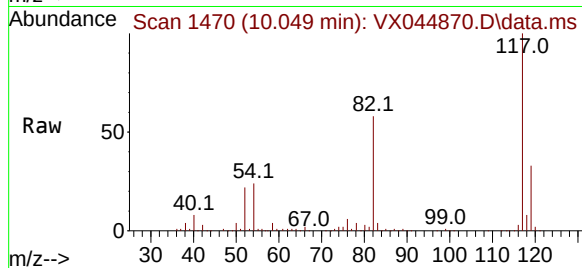
Tgt Ion: 95 Resp: 38475
Ion Ratio Lower Upper
95 100
174 73.5 0.0 142.6
176 69.0 0.0 141.6





#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

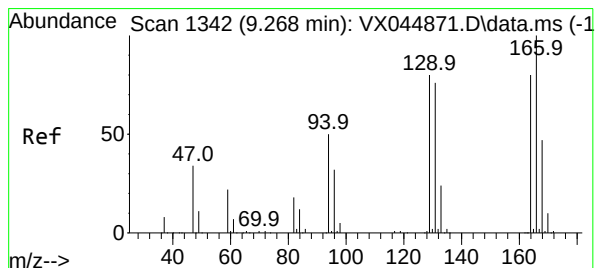
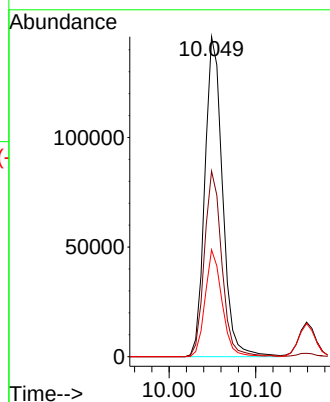
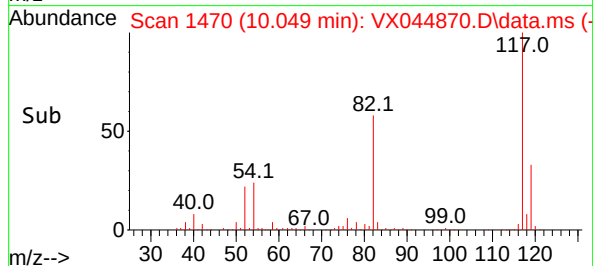
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



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

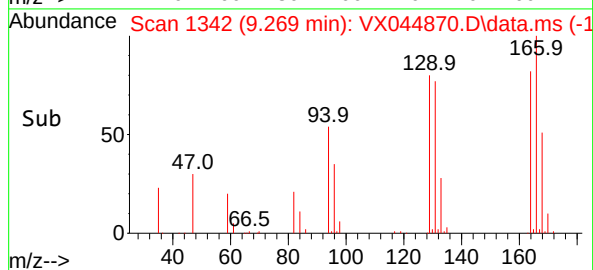
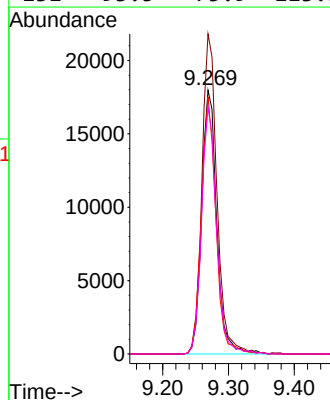
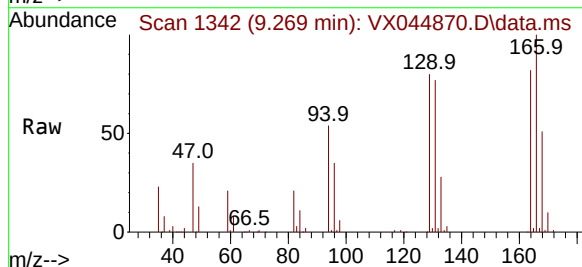
Manual Integrations
APPROVED

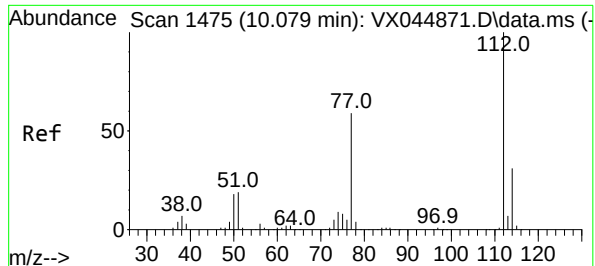
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





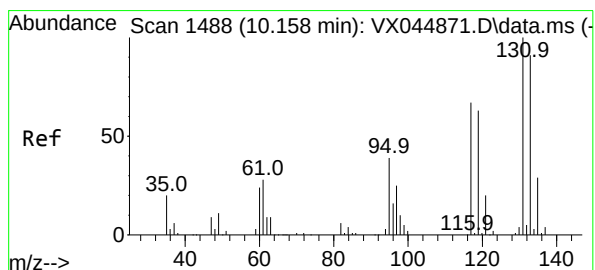
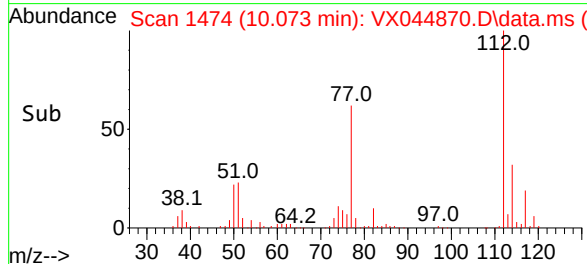
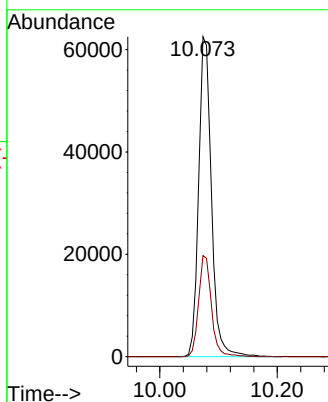
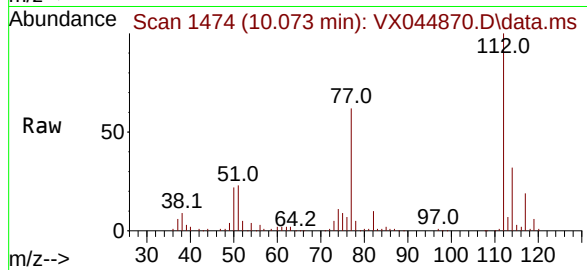
#65
Chlorobenzene
Concen: 21.230 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

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

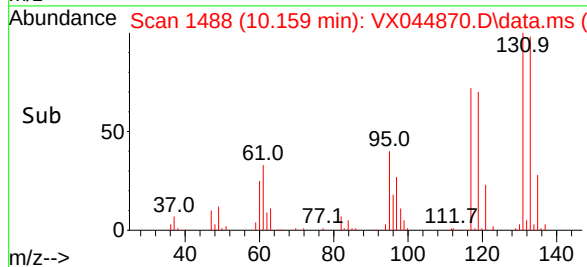
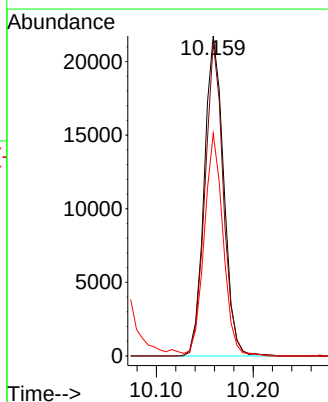
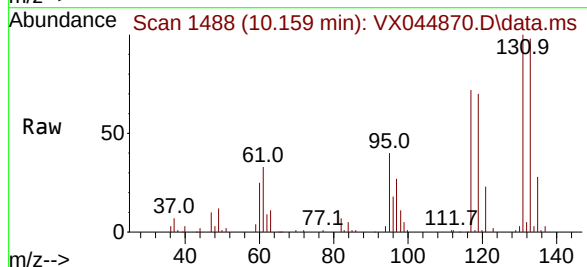
Manual Integrations
APPROVED

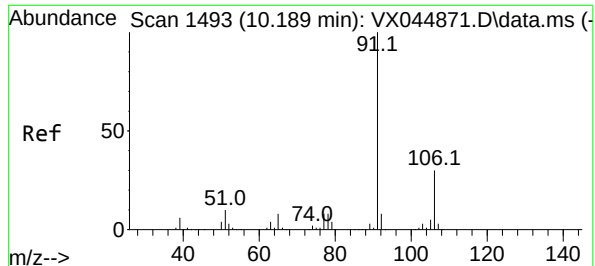
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

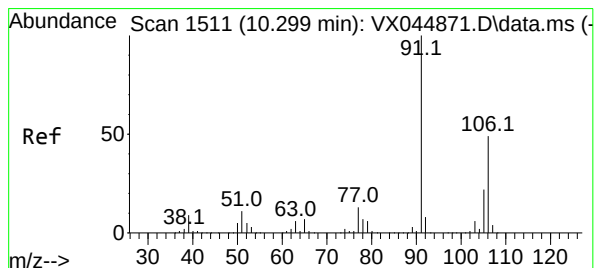
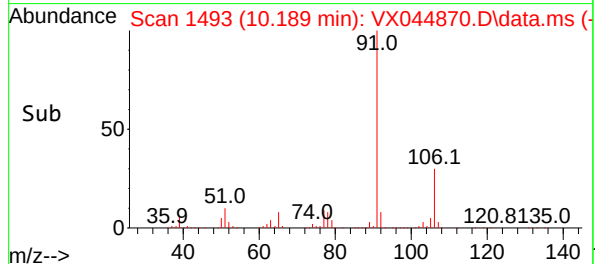
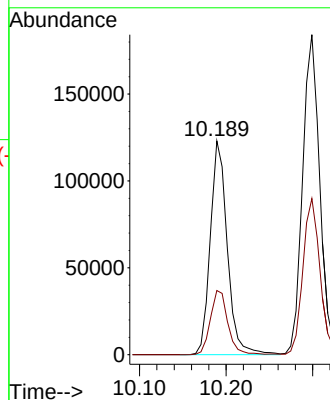
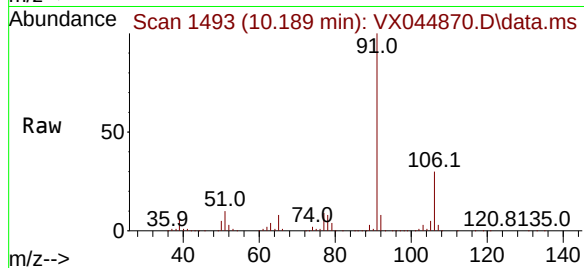
106 30.0 23.9 35.9

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

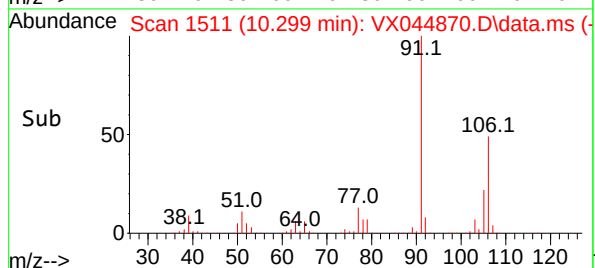
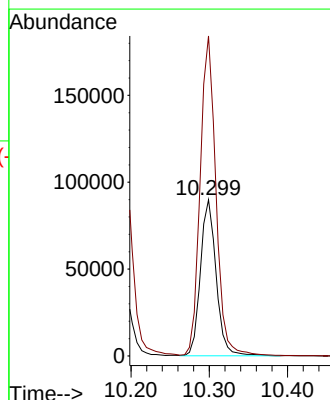
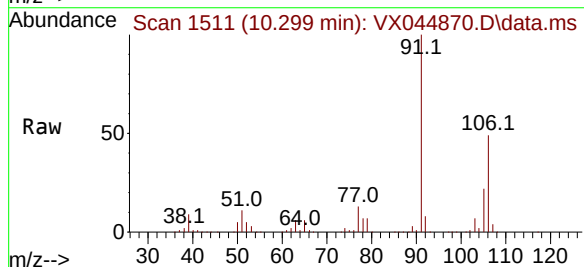
Acq: 10 Feb 2025 11:11

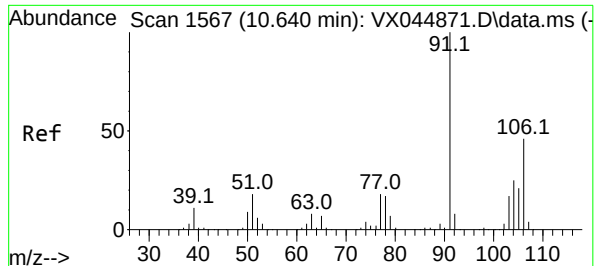
Tgt Ion:106 Resp: 125271

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

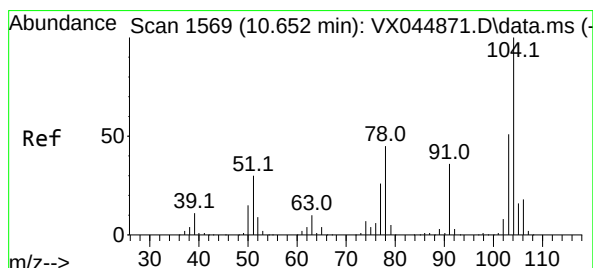
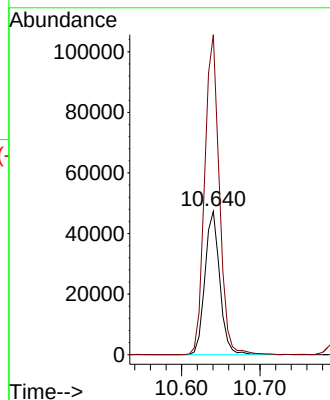
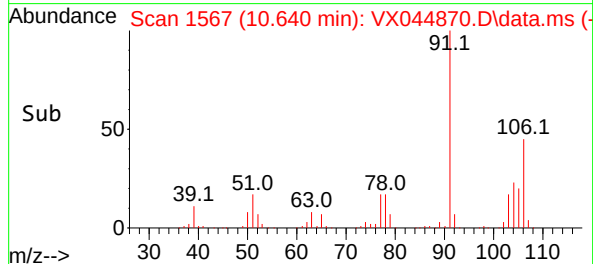
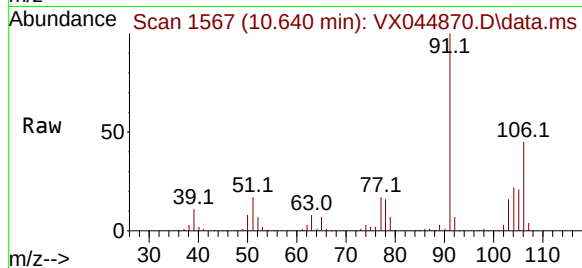
91 221.5 108.5 325.5

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

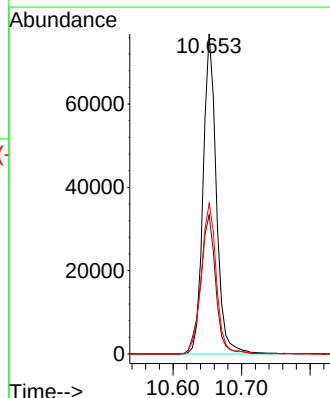
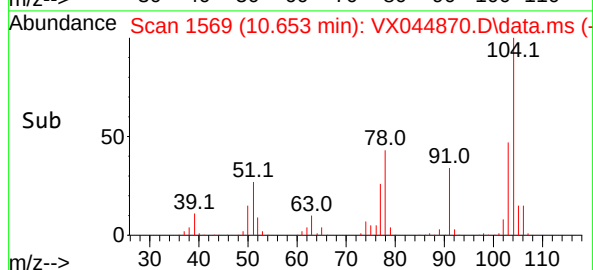
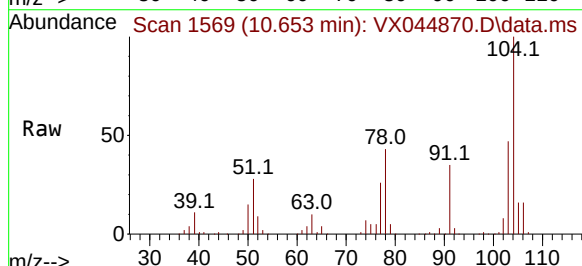
Tgt Ion:104 Resp: 103740

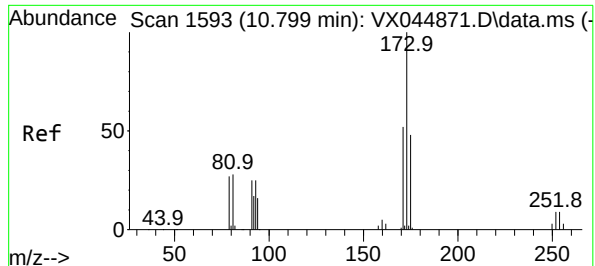
Ion Ratio Lower Upper

104 100

78 49.2 40.5 60.7

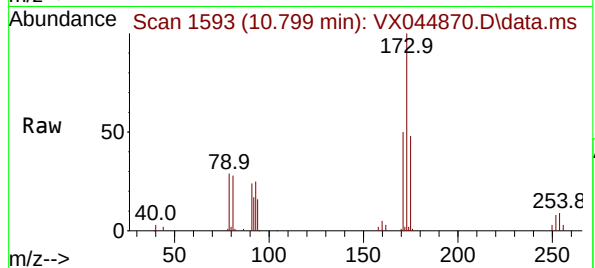
103 53.5 43.6 65.4





#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

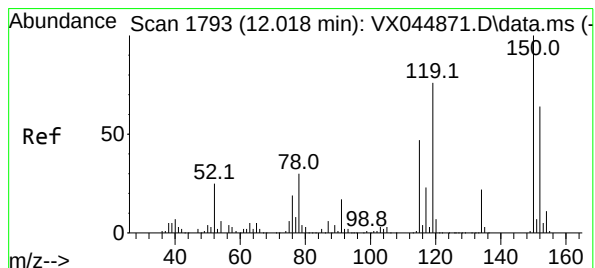
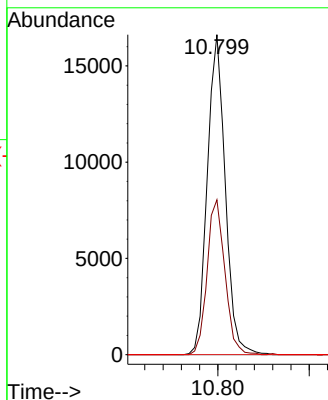
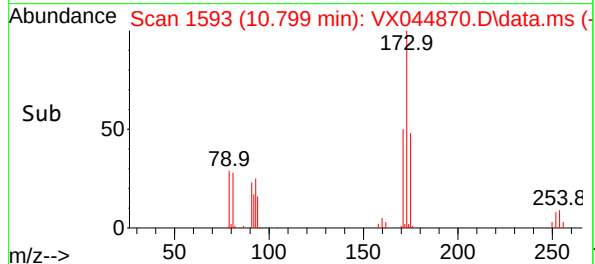
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



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

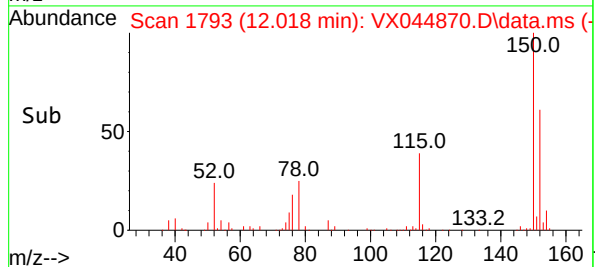
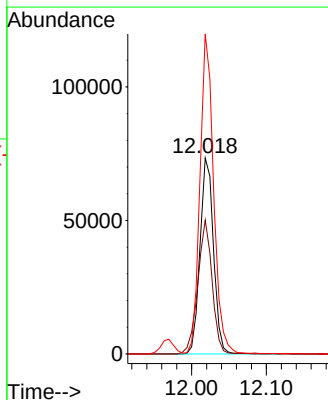
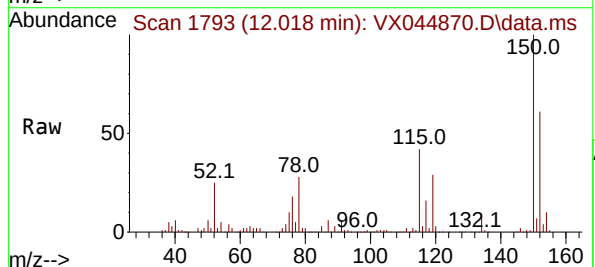
Manual Integrations
APPROVED

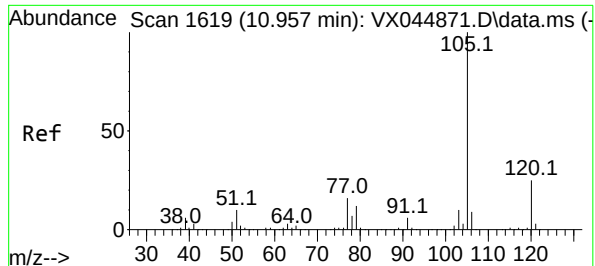
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: 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





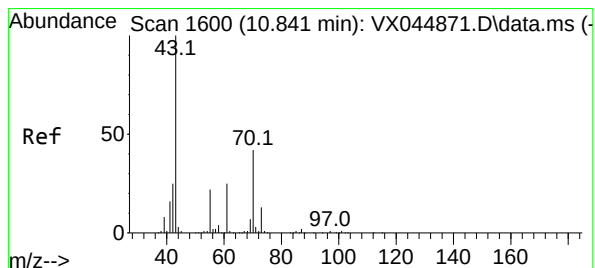
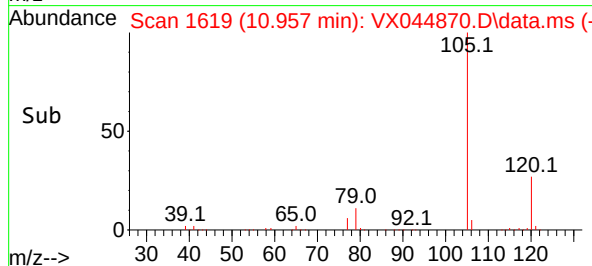
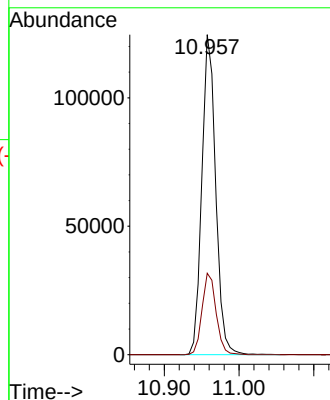
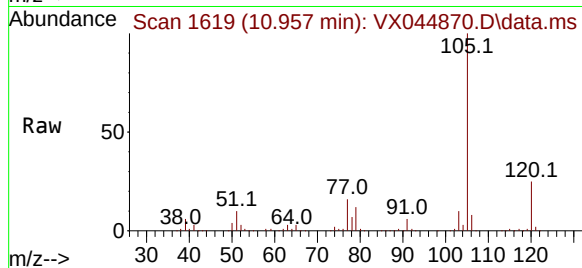
#73
Isopropylbenzene
Concen: 21.597 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

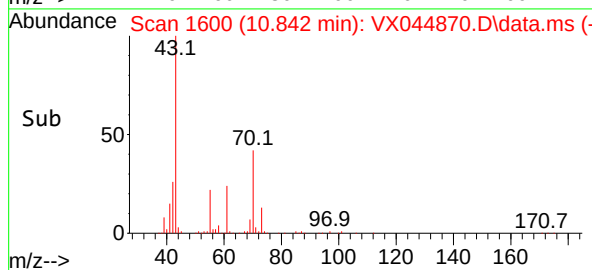
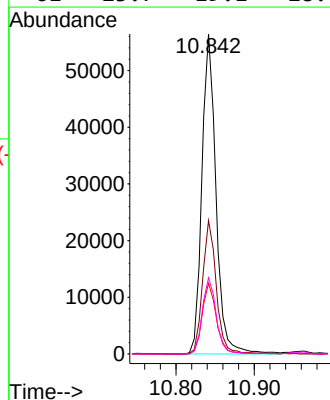
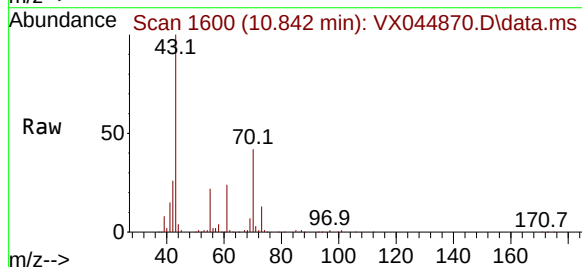
Manual Integrations
APPROVED

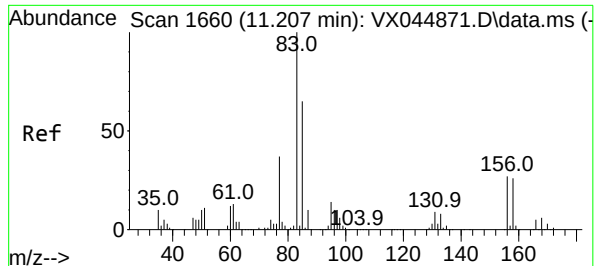
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#74
N-ethyl acetate
Concen: 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

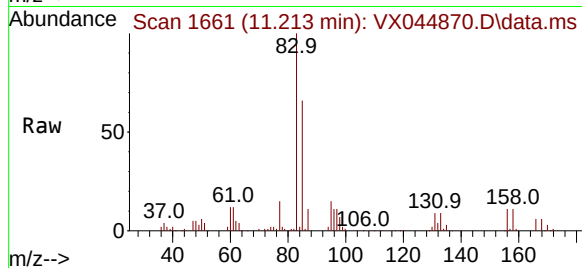
Tgt Ion: 43 Resp: 70542
Ion Ratio Lower Upper
43 100
70 40.7 33.7 50.5
55 22.4 18.6 27.8
61 23.7 19.1 28.7





#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

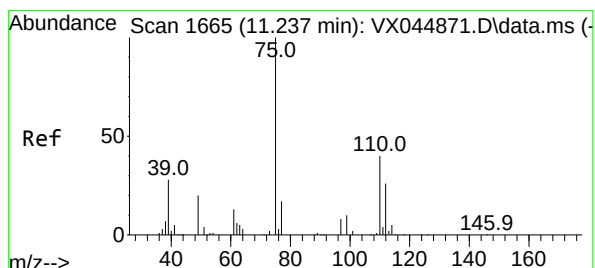
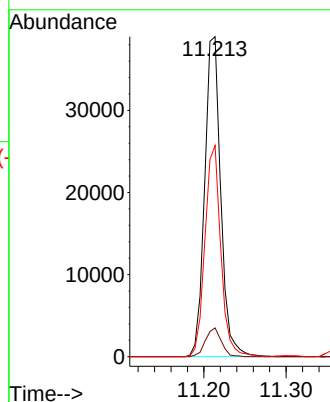
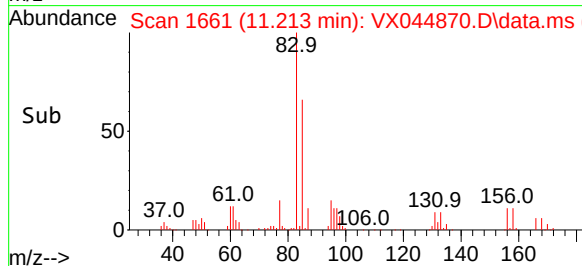
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



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

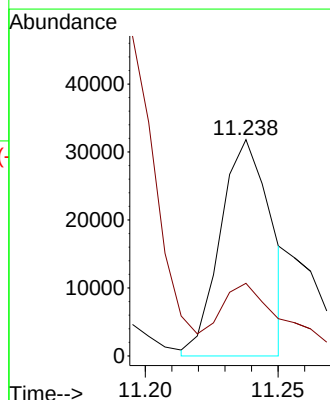
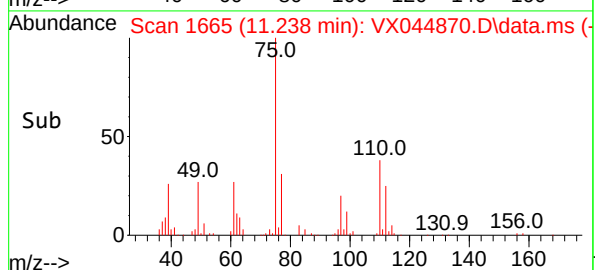
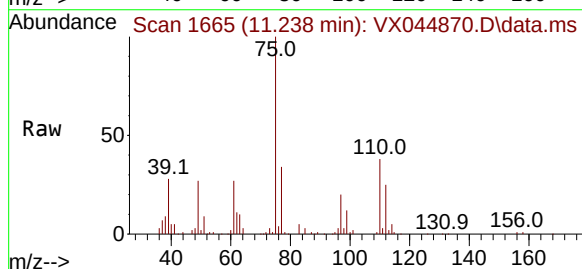
Manual Integrations
APPROVED

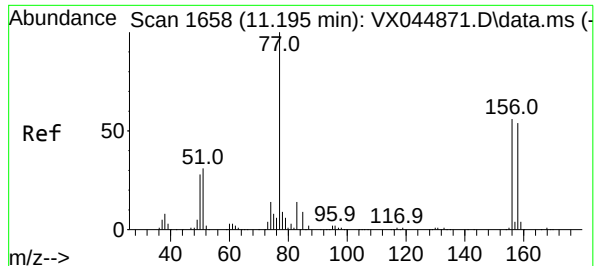
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

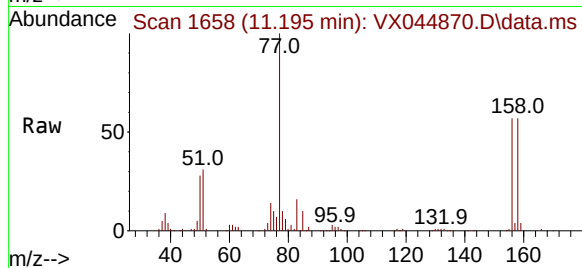
Tgt Ion: 75 Resp: 42040
Ion Ratio Lower Upper
75 100
77 43.7 21.9 65.7





#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

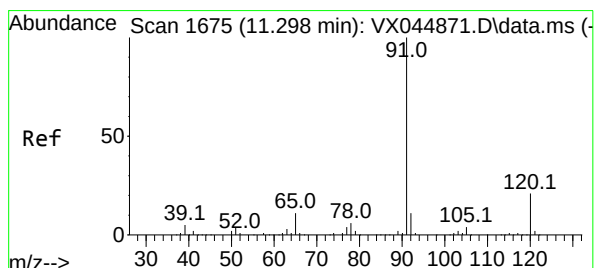
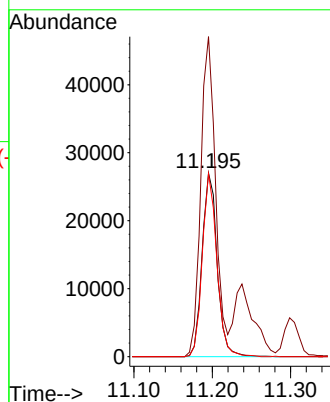
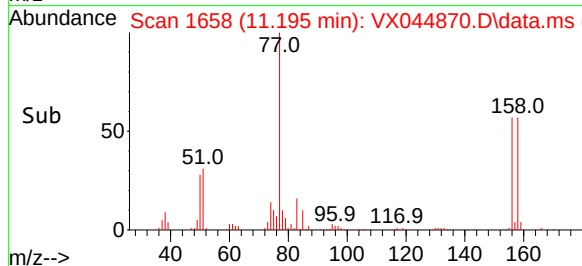
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



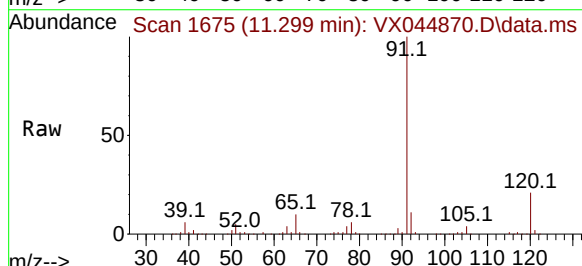
Tgt Ion:156 Resp: 3602
Ion Ratio Lower Upper
156 100
77 171.1 88.4 265.3
158 96.8 48.4 145.2

Manual Integrations
APPROVED

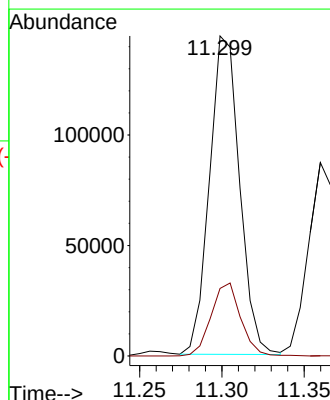
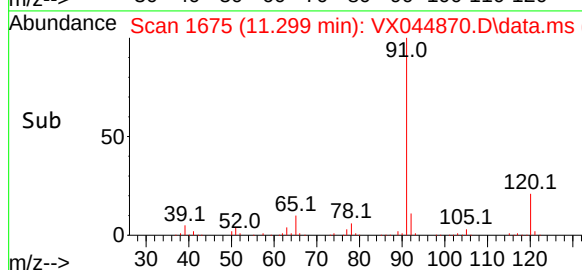
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

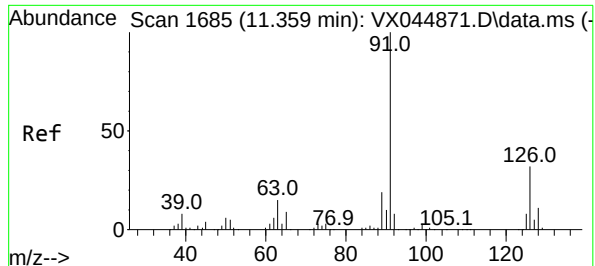


#78
n-propylbenzene
Concen: 21.406 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11



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 :

VSTDIC020

Tgt Ion: 91 Resp: 11178

Ion Ratio Lower Upper

91 100

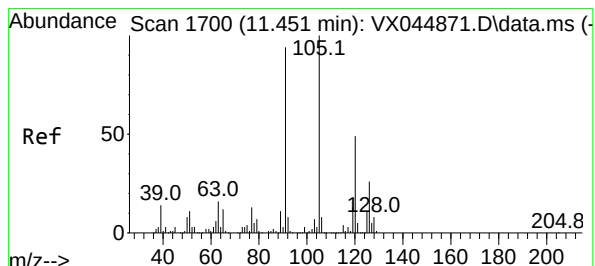
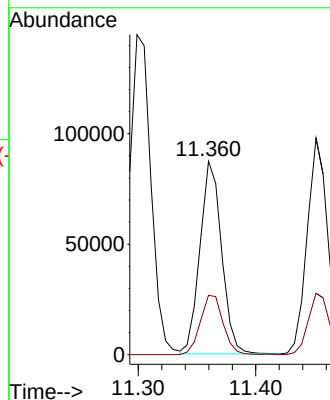
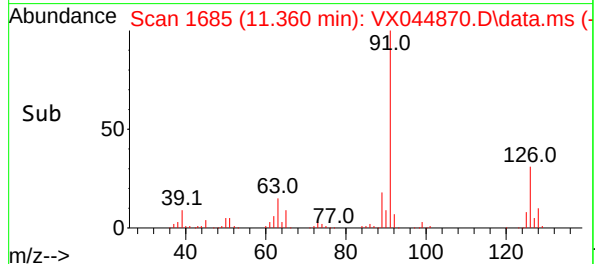
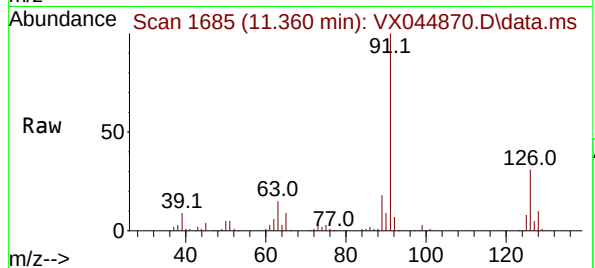
126 32.6 16.2 48.6

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

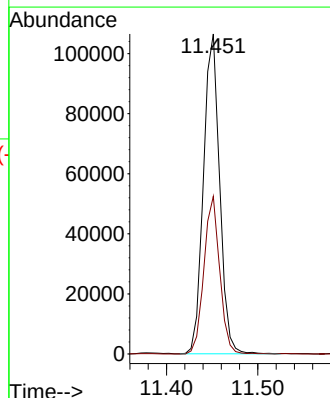
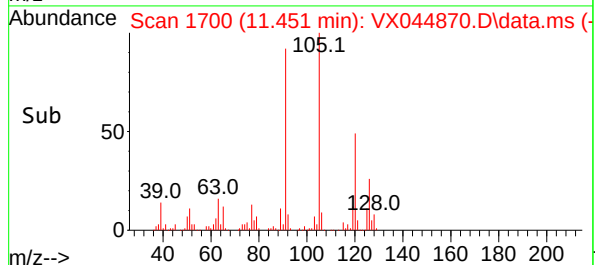
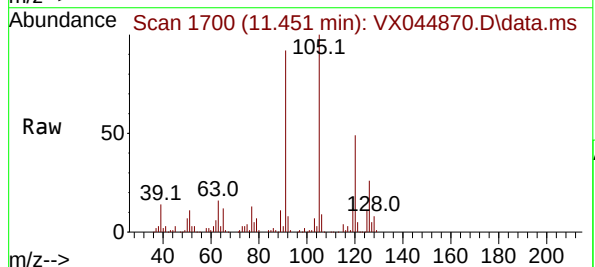
Acq: 10 Feb 2025 11:11

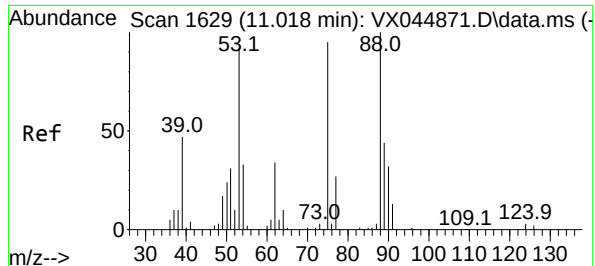
Tgt Ion:105 Resp: 130526

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0





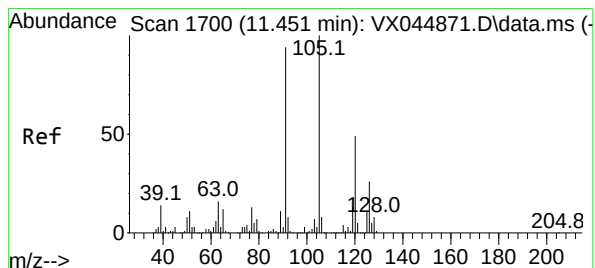
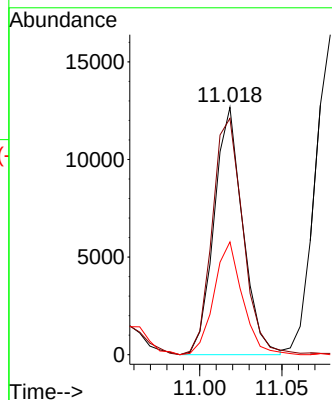
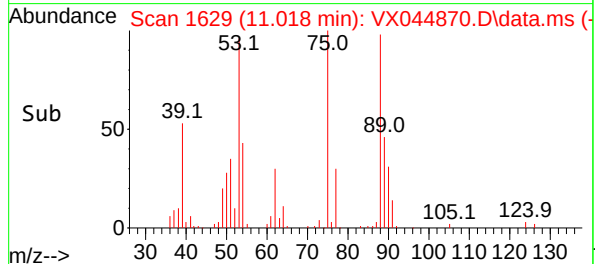
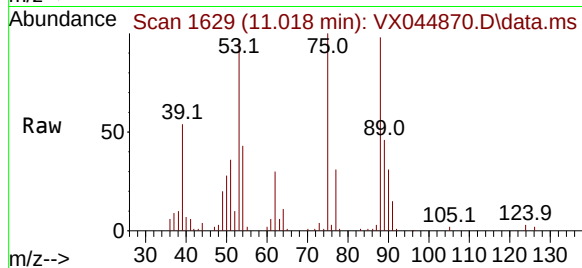
#81
trans-1,4-Dichloro-2-butene
Concen: 19.370 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

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

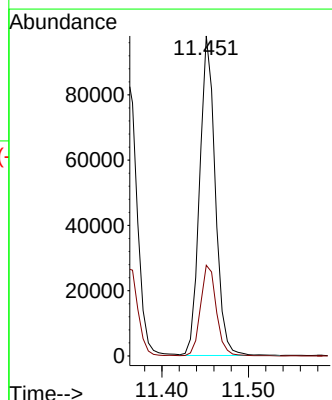
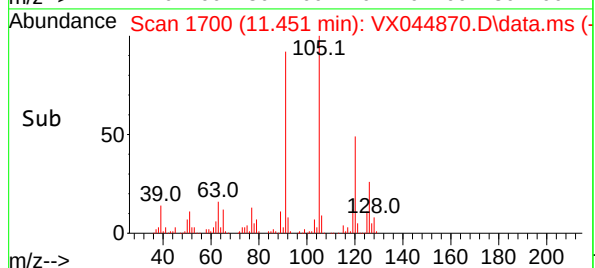
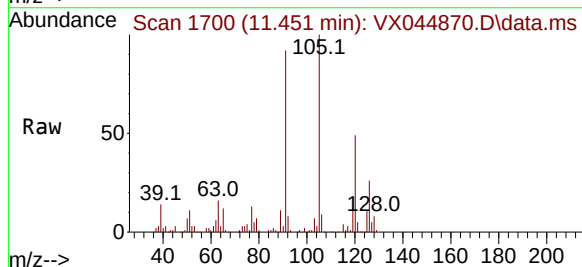
Manual Integrations
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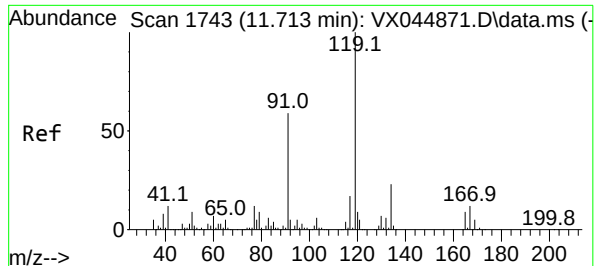
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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 :

VSTDICC020

Tgt Ion:119 Resp: 130358

Ion Ratio Lower Upper

119 100

91 58.6 29.1 87.4

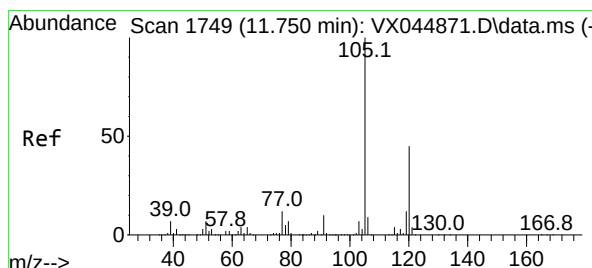
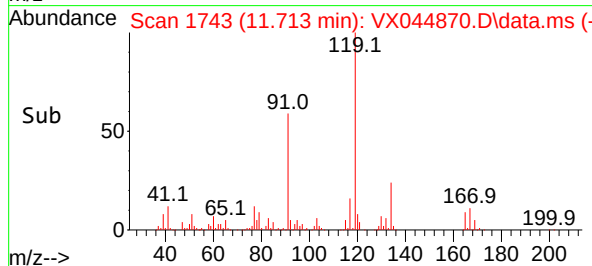
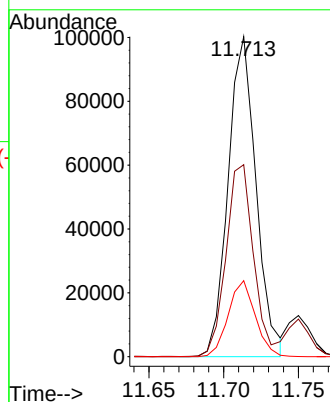
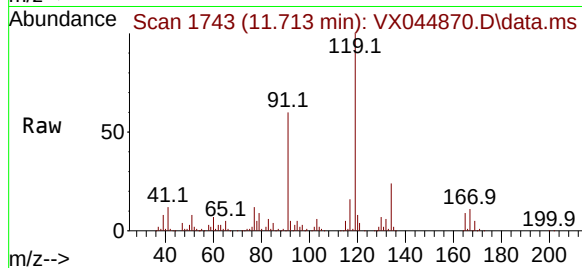
134 23.1 11.5 34.5

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

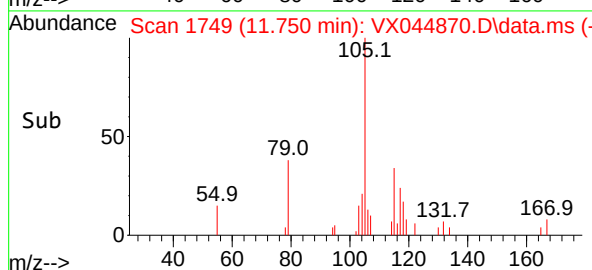
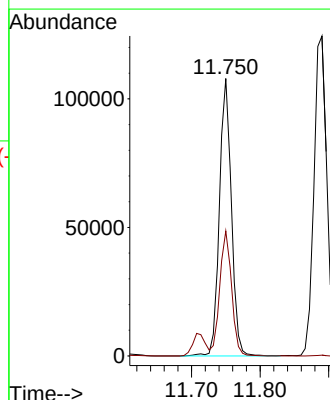
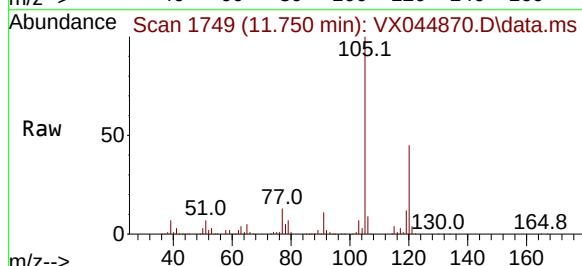
Acq: 10 Feb 2025 11:11

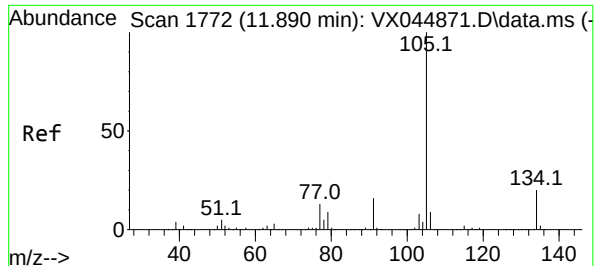
Tgt Ion:105 Resp: 130211

Ion Ratio Lower Upper

105 100

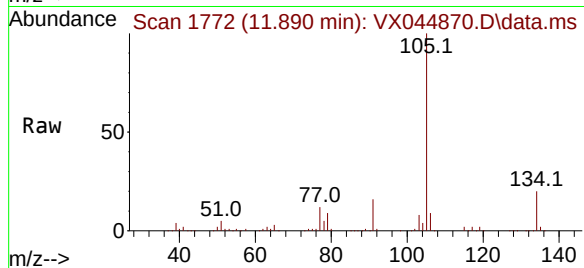
120 44.7 22.4 67.0





#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

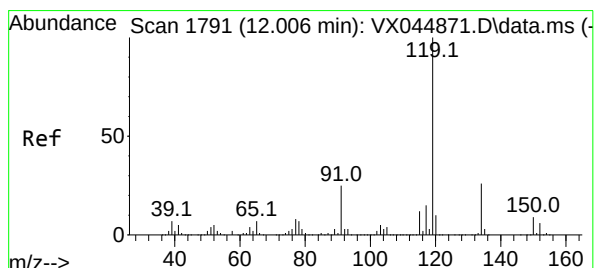
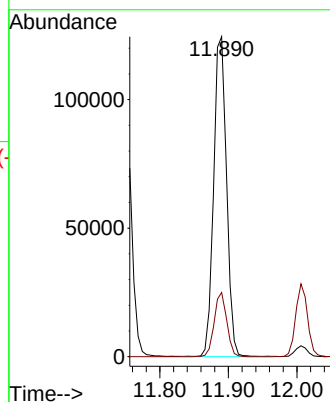
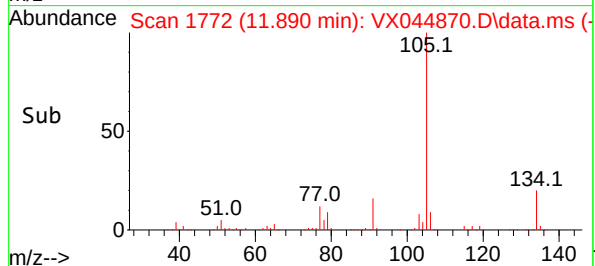
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 162875
Ion Ratio Lower Upper
105 100
134 19.5 9.8 29.3

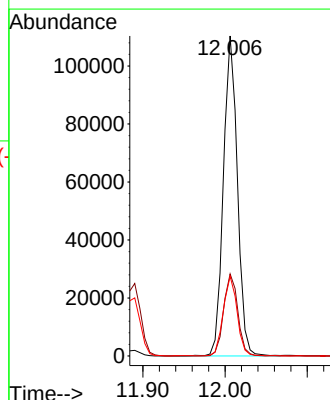
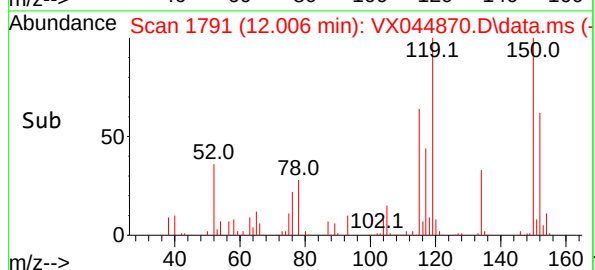
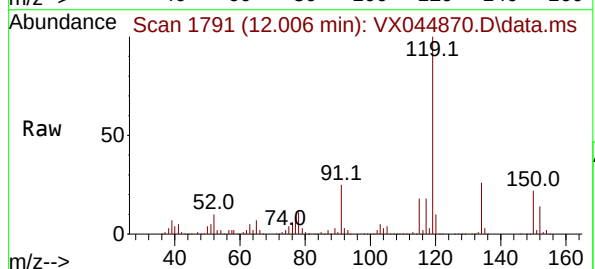
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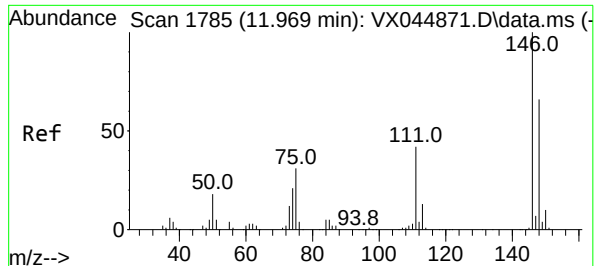
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

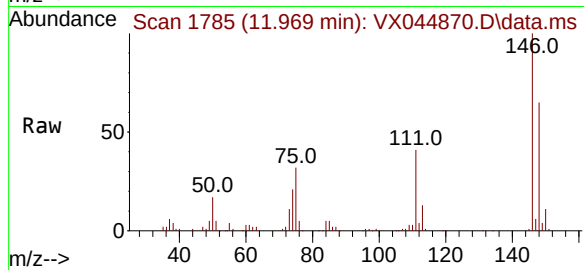
Tgt Ion:119 Resp: 130643
Ion Ratio Lower Upper
119 100
134 26.0 13.0 38.9
91 24.7 12.1 36.3





#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

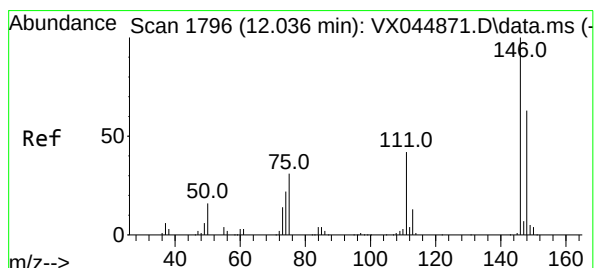
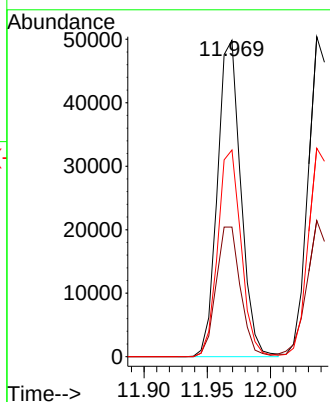
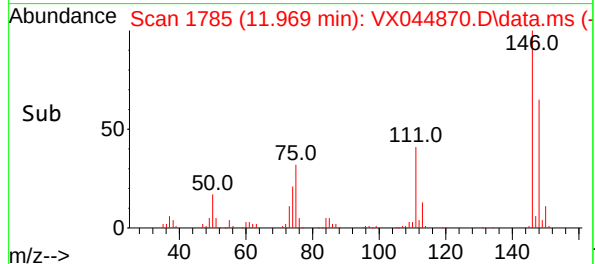
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



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

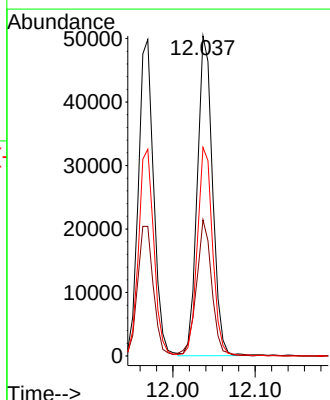
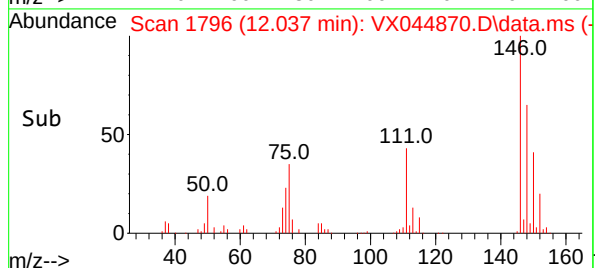
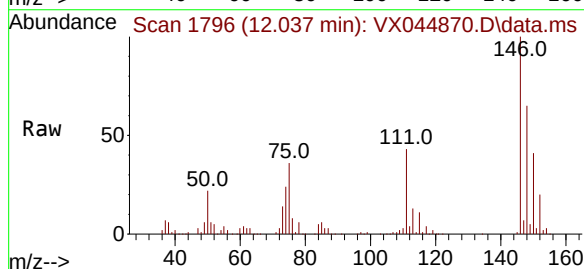
Manual Integrations
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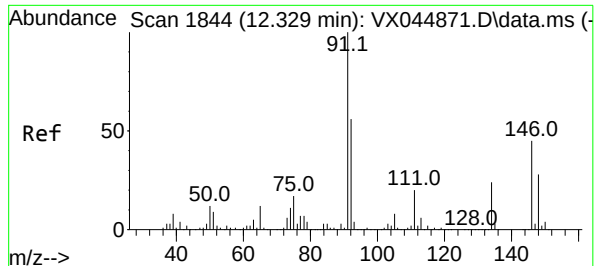
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

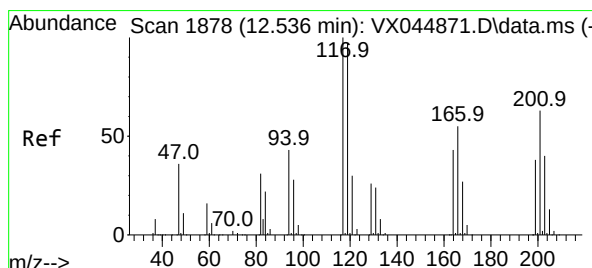
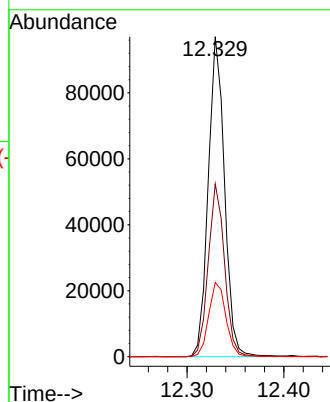
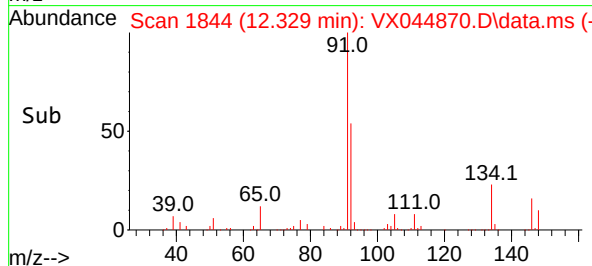
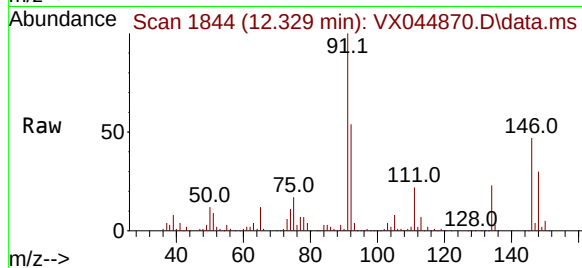
134 24.7 12.1 36.3

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

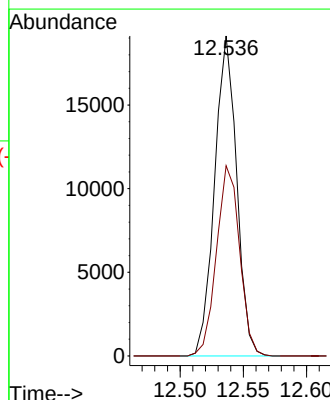
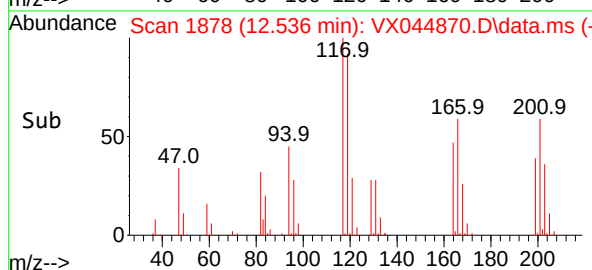
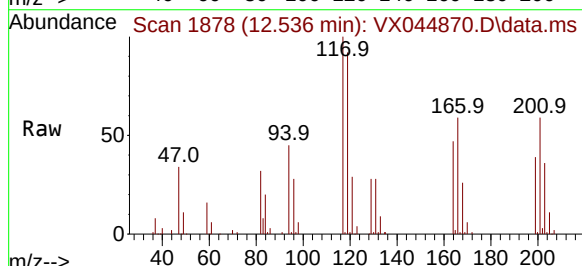
Acq: 10 Feb 2025 11:11

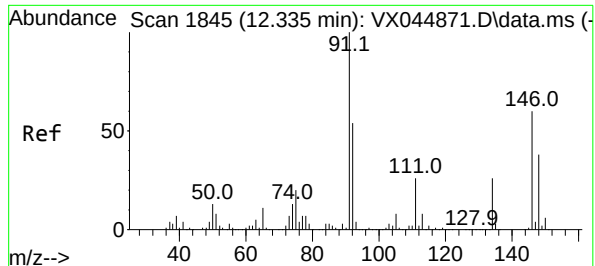
Tgt Ion:117 Resp: 23153

Ion Ratio Lower Upper

117 100

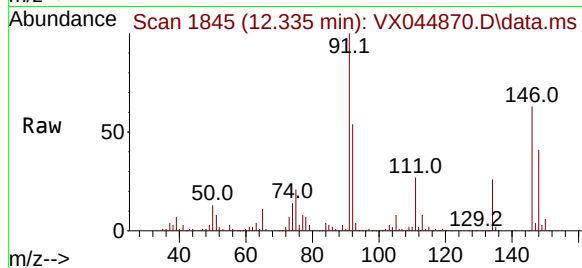
201 62.4 32.5 97.5





#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

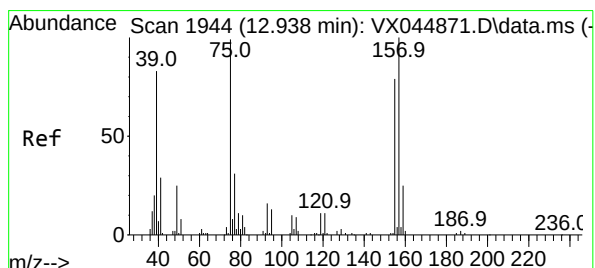
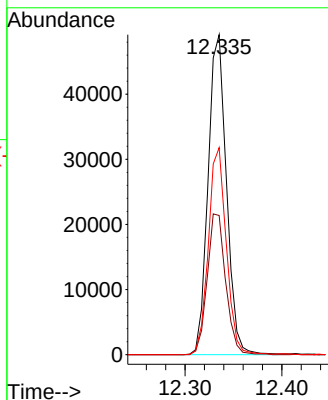
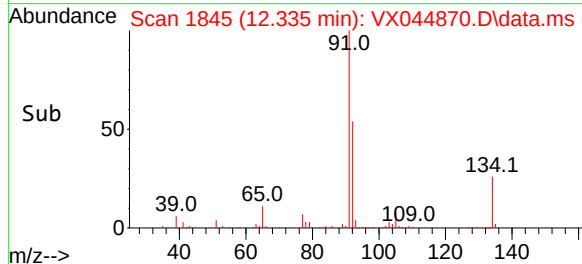
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



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

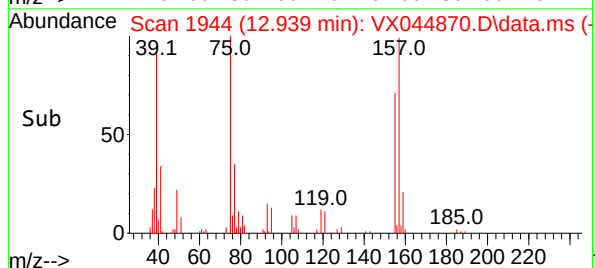
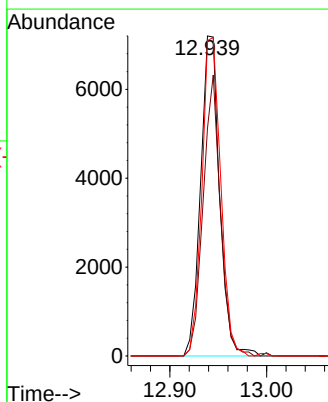
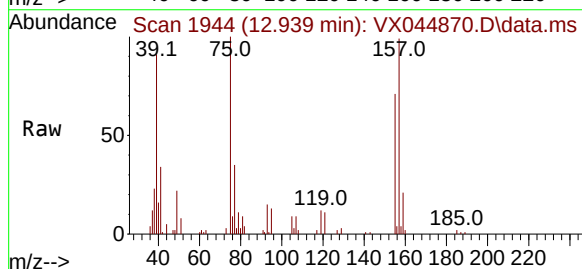
Manual Integrations
APPROVED

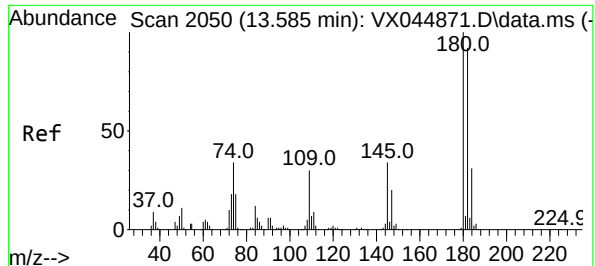
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

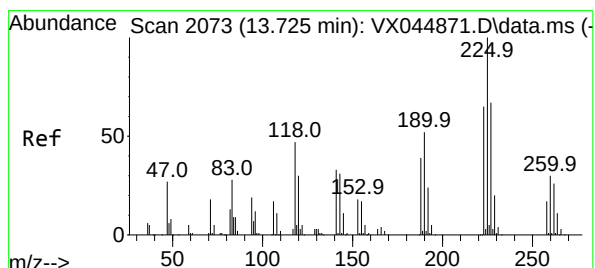
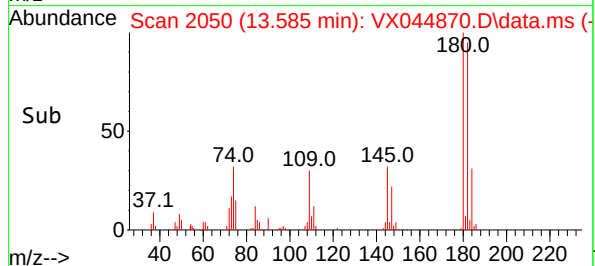
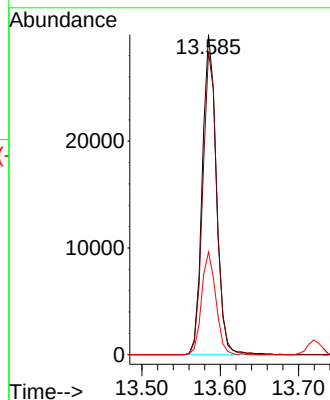
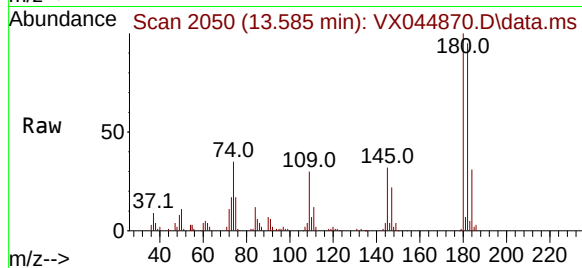
145 32.4 16.4 49.1

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

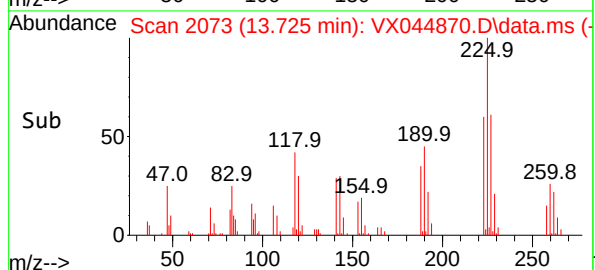
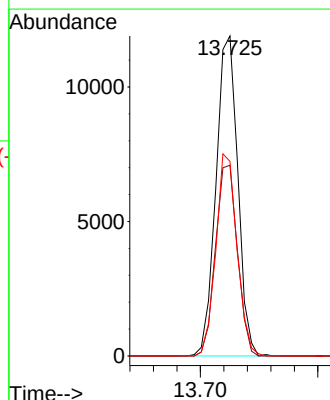
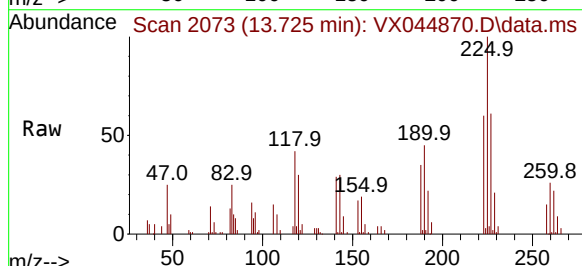
Tgt Ion:225 Resp: 15312

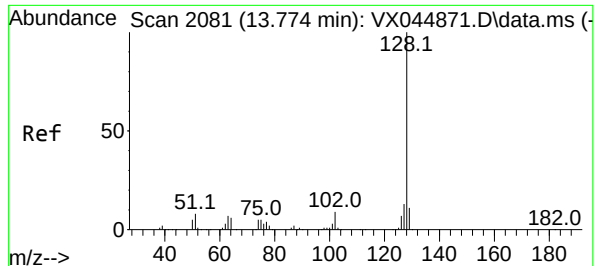
Ion Ratio Lower Upper

225 100

223 59.9 31.4 94.2

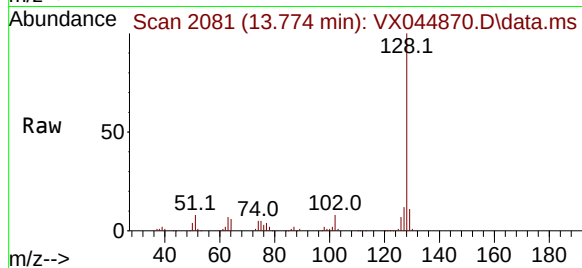
227 61.4 32.3 96.8





#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

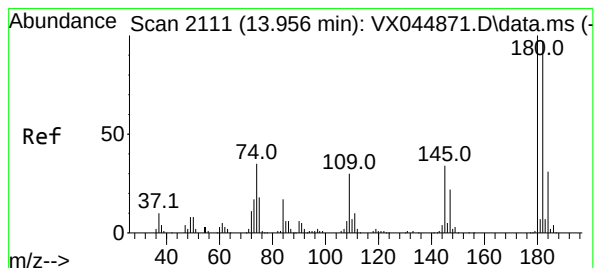
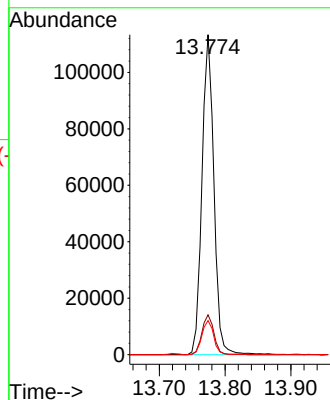
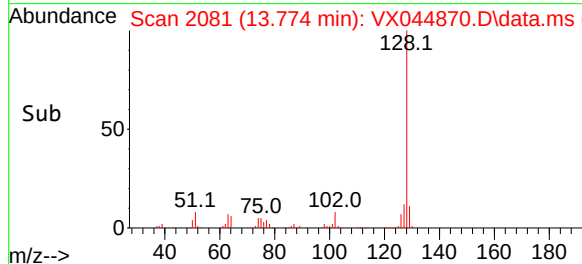
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



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

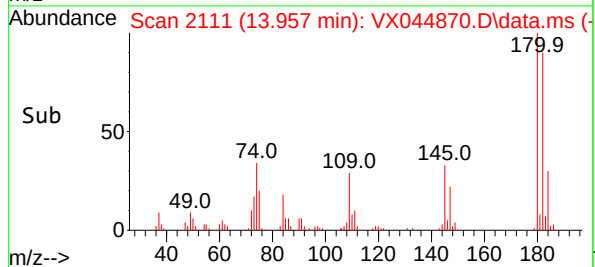
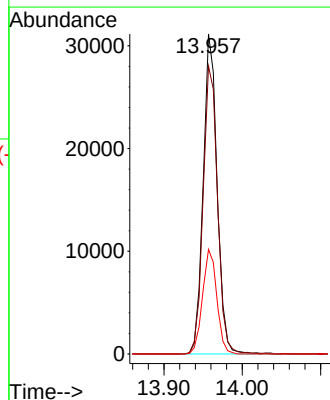
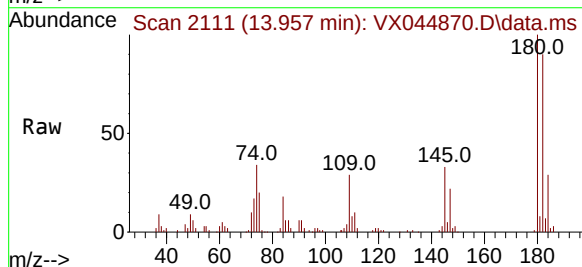
Manual Integrations
APPROVED

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

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)
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	
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

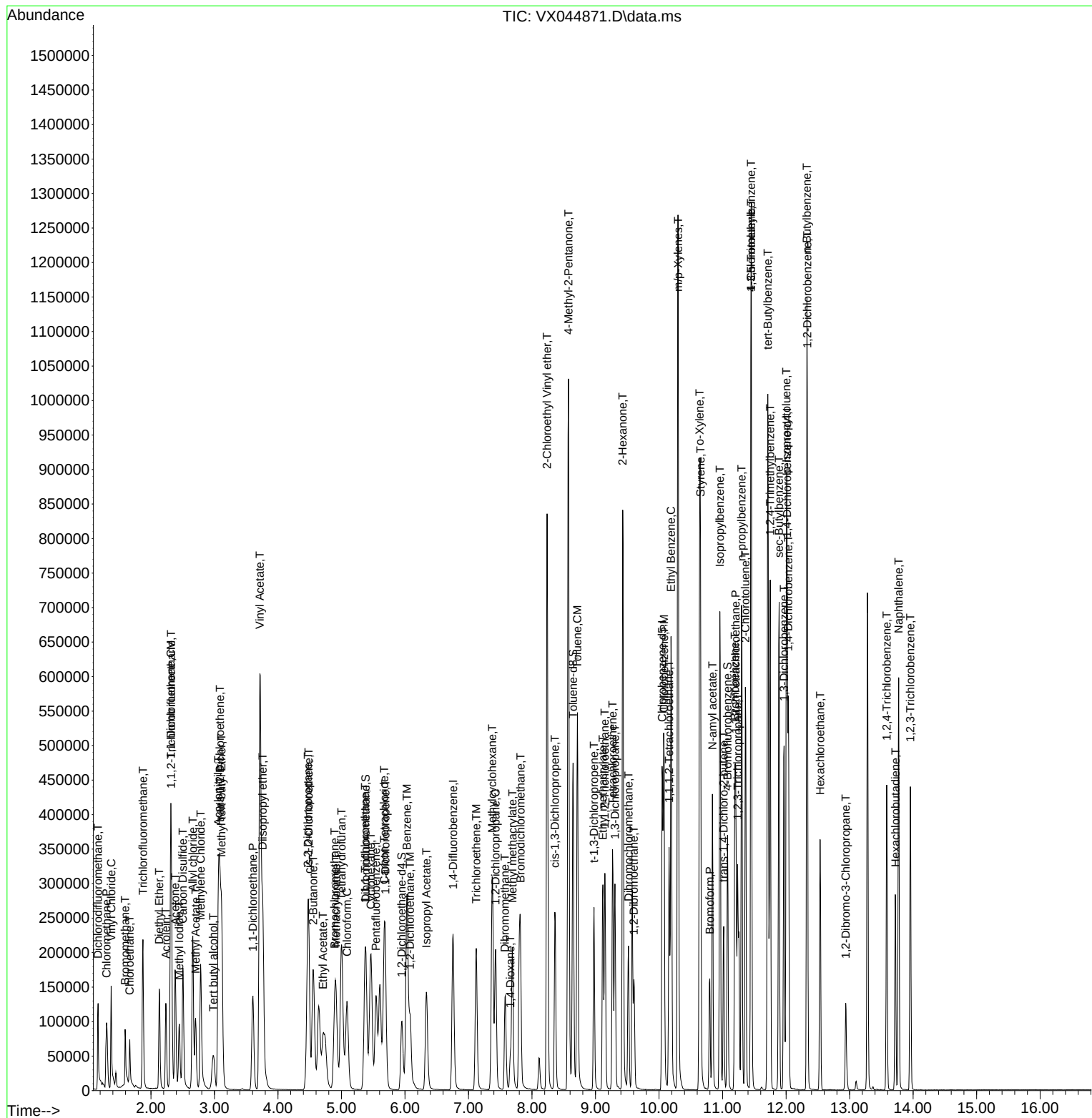
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 Data File : VX044871.D
 Acq On : 10 Feb 2025 11:34
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

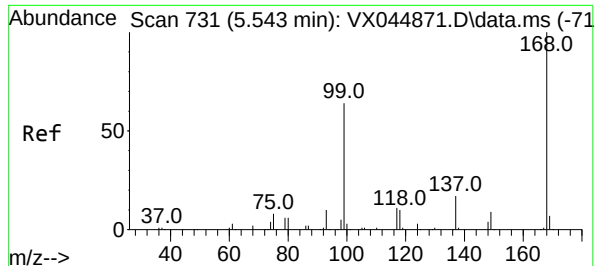
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations APPROVED

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

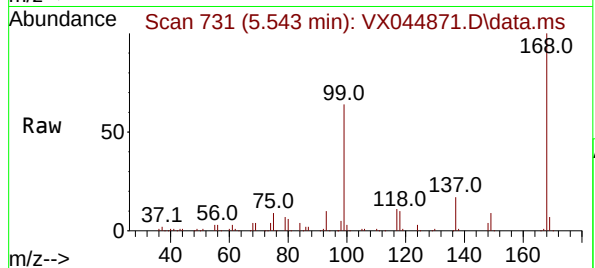
Quant Time: Feb 11 02:01:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration





#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

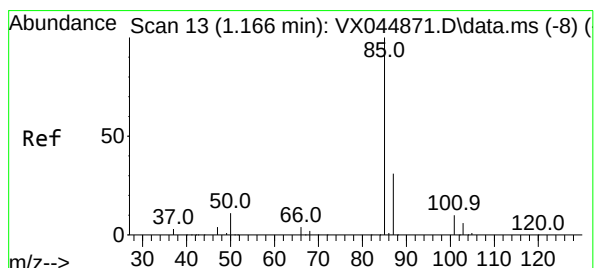
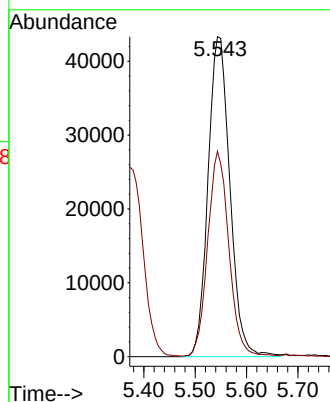
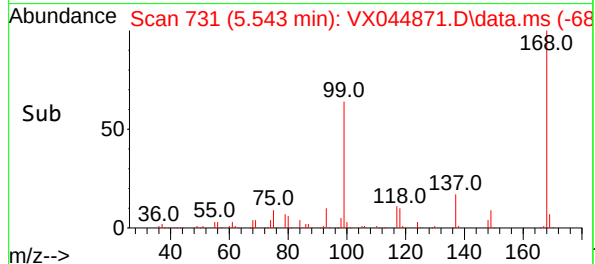
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

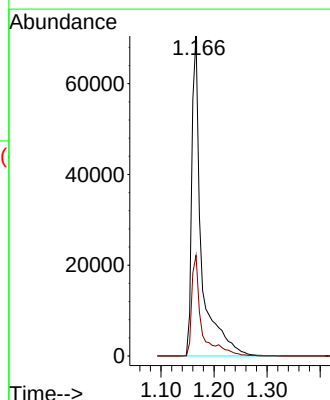
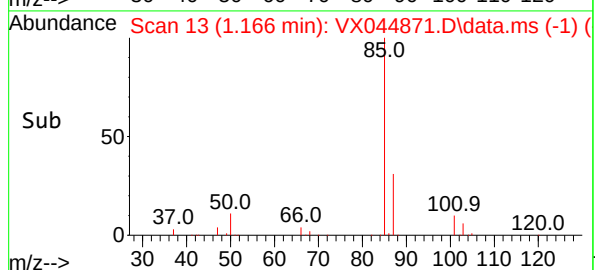
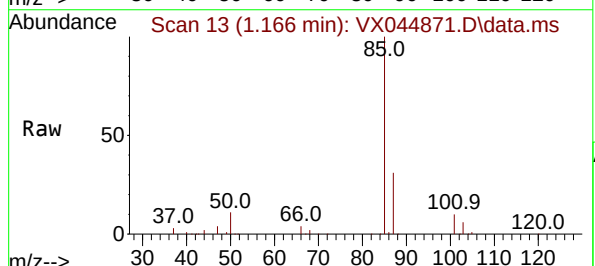
Manual Integrations
APPROVED

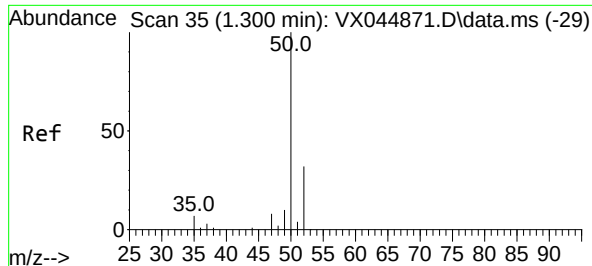
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

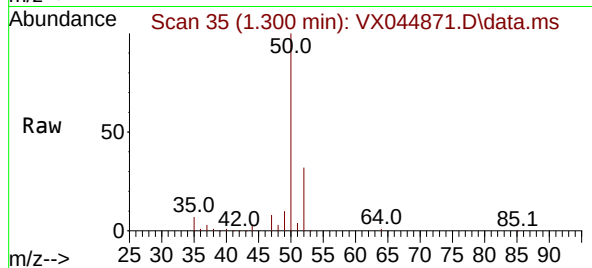
Tgt Ion: 85 Resp: 89581
Ion Ratio Lower Upper
85 100
87 31.5 15.8 47.3





#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

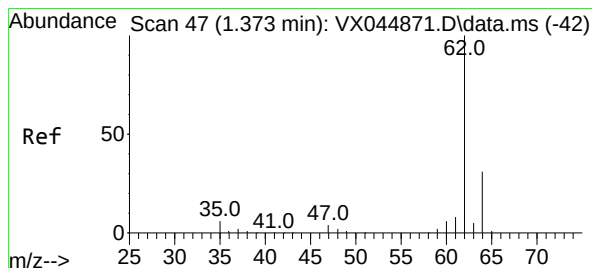
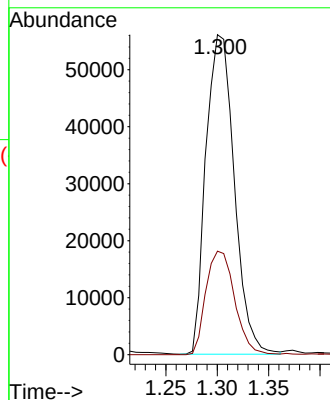
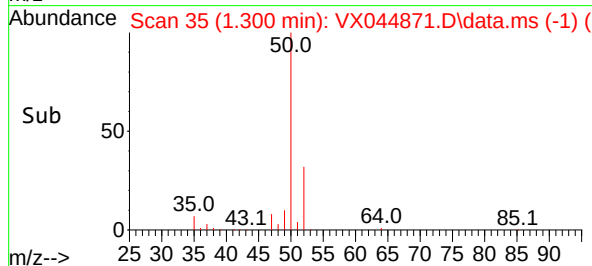
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 50 Resp: 107830
Ion Ratio Lower Upper
50 100
52 32.4 25.9 38.9

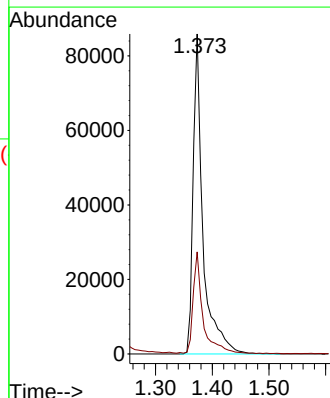
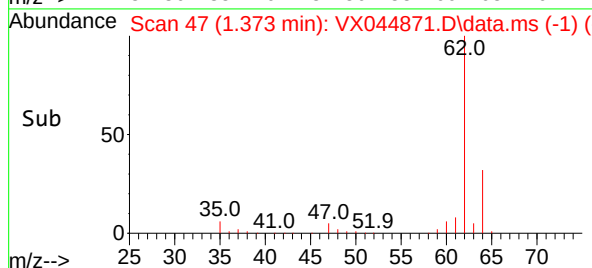
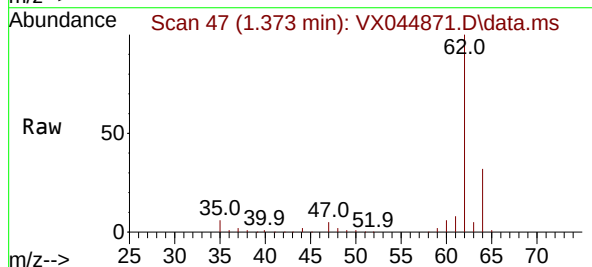
Manual Integrations
APPROVED

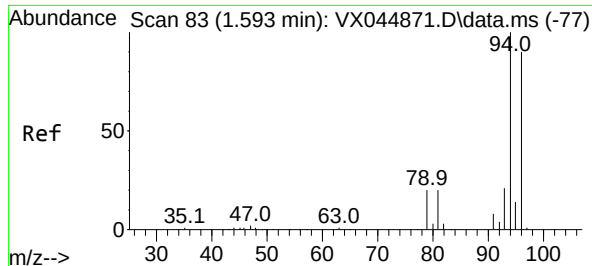
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

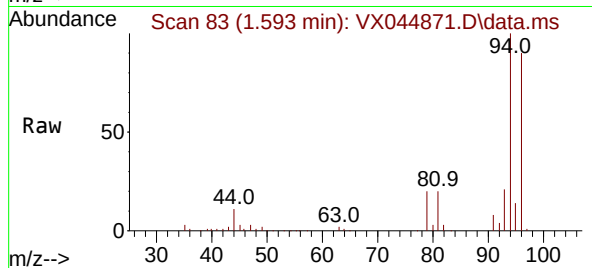
Tgt Ion: 62 Resp: 103354
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0





#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

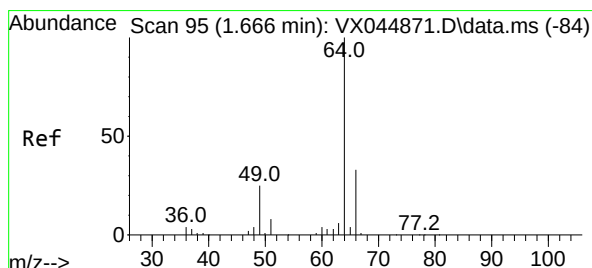
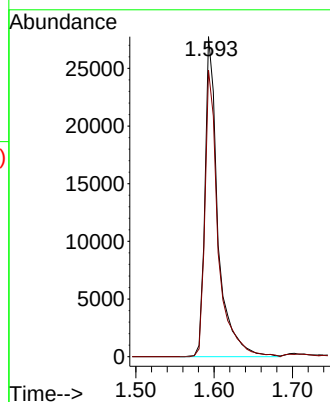
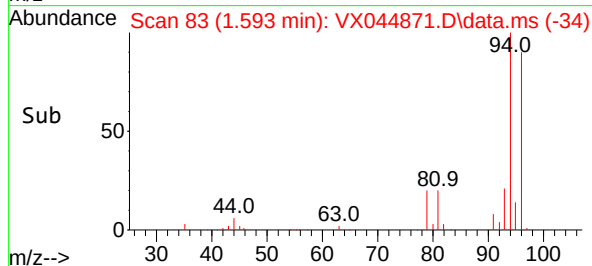
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

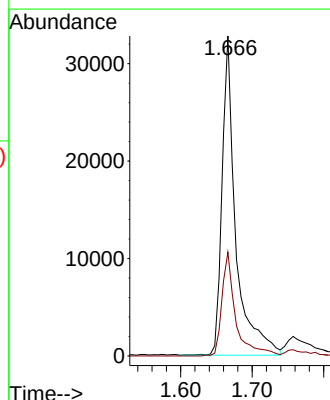
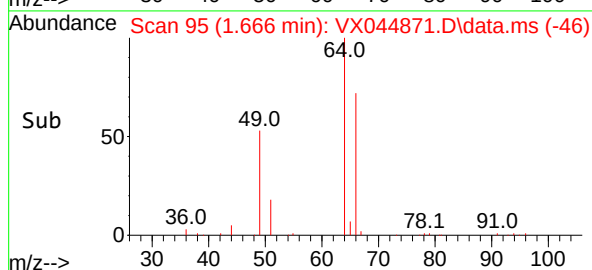
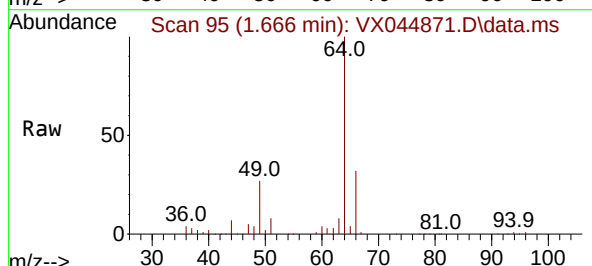
Manual Integrations
APPROVED

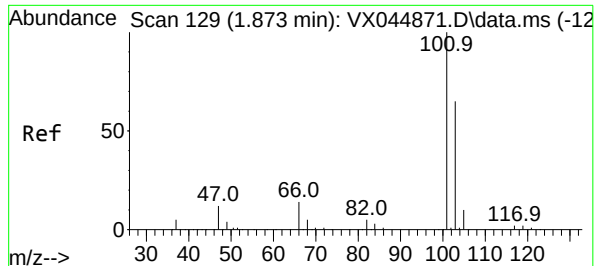
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

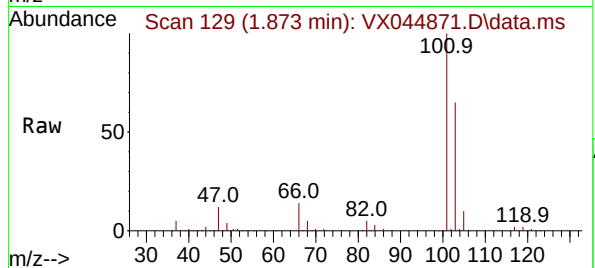
Tgt Ion: 64 Resp: 43657
Ion Ratio Lower Upper
64 100
66 32.5 25.9 38.9





#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

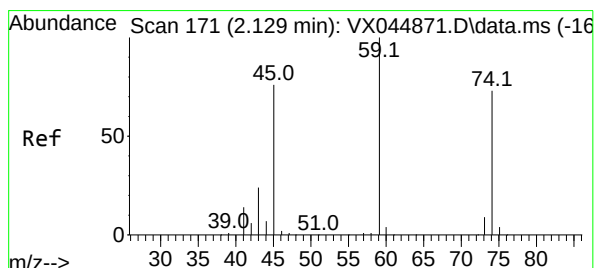
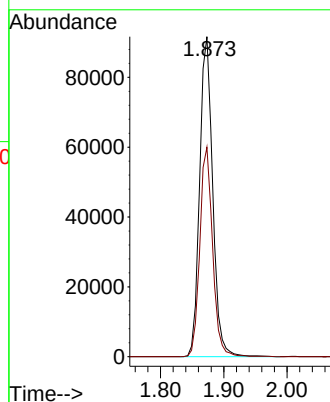
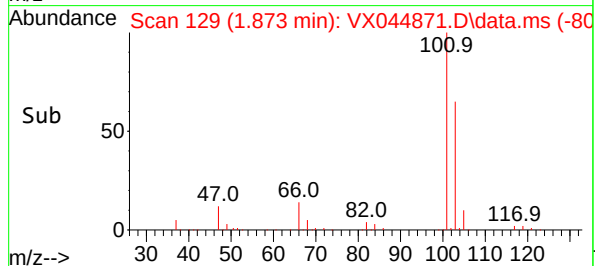
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

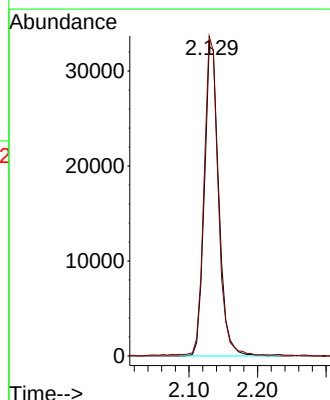
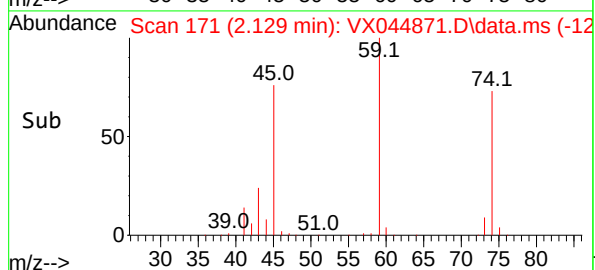
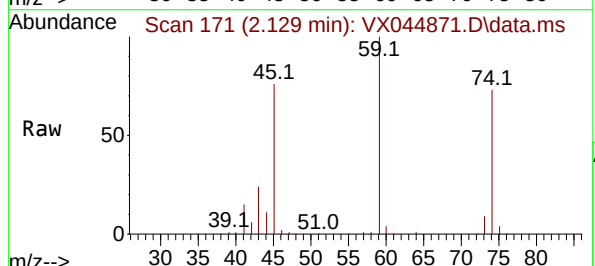
Manual Integrations
APPROVED

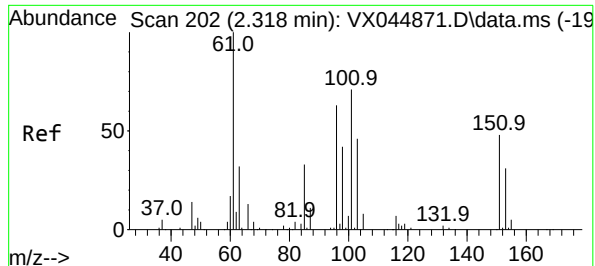
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

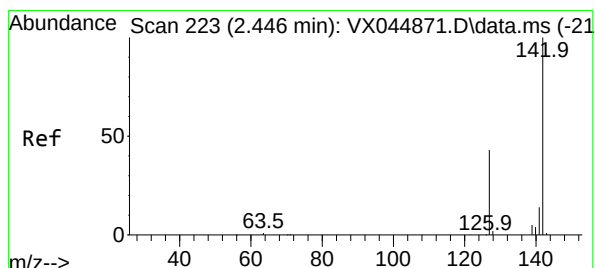
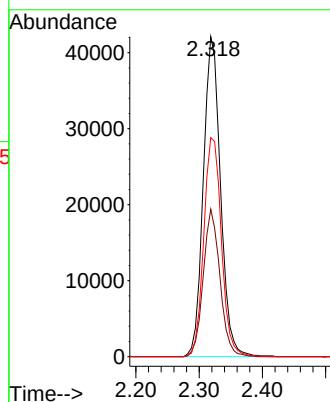
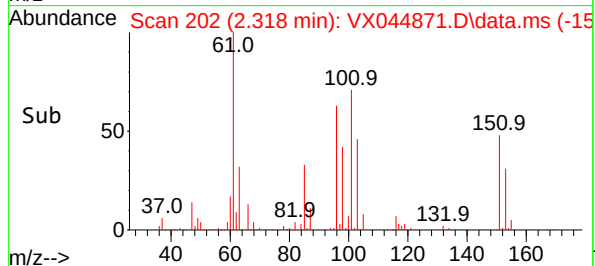
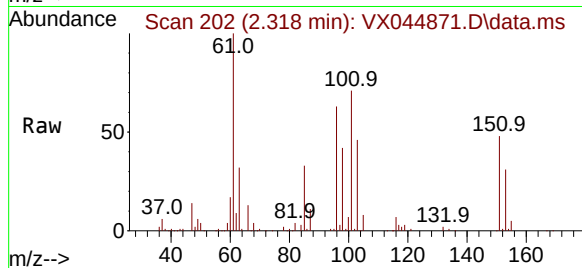
151 70.0 56.0 84.0

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

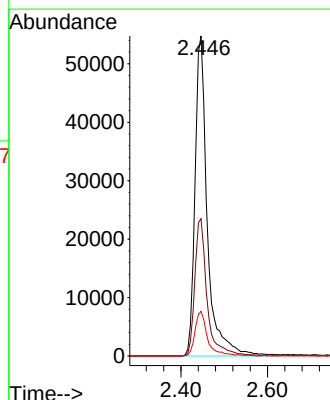
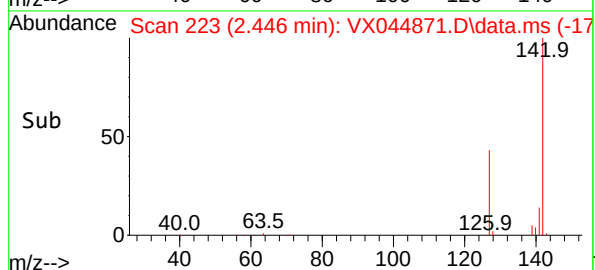
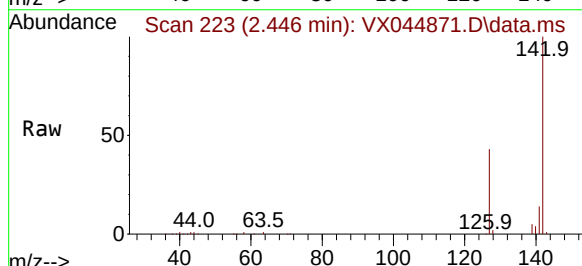
Tgt Ion:142 Resp: 108383

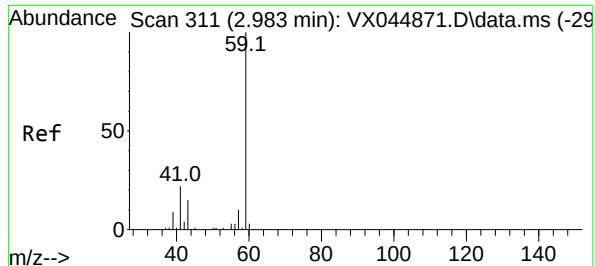
Ion Ratio Lower Upper

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

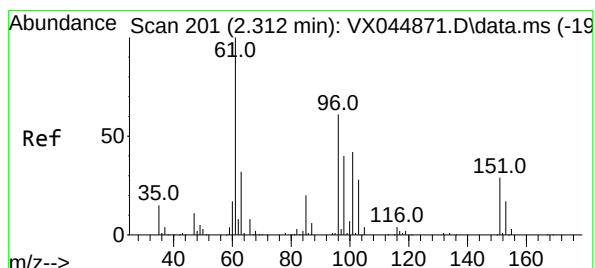
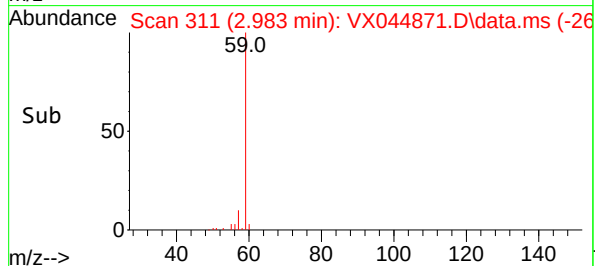
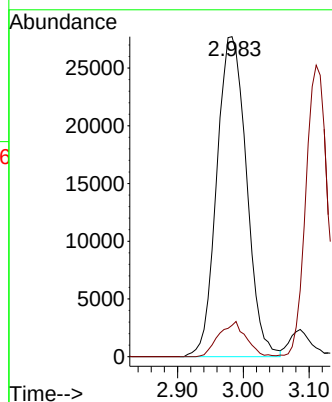
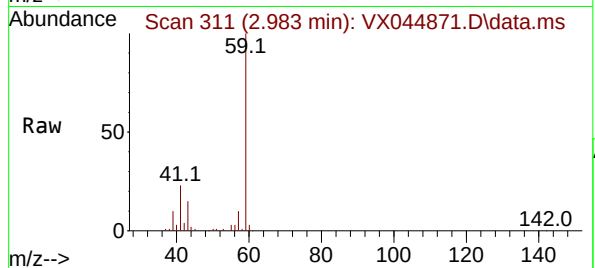
57 10.1 8.1 12.1

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

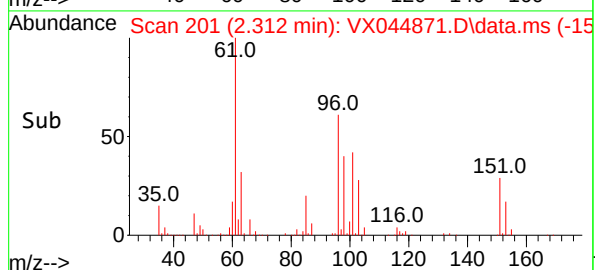
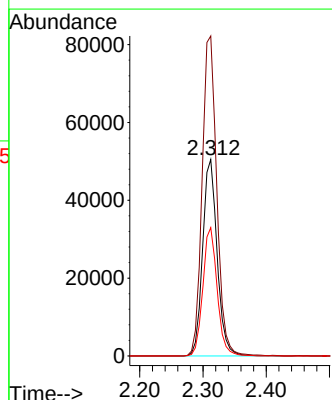
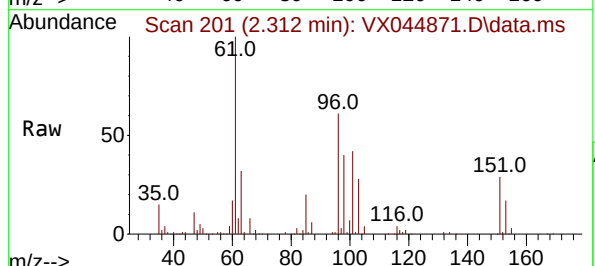
Tgt Ion: 96 Resp: 80672

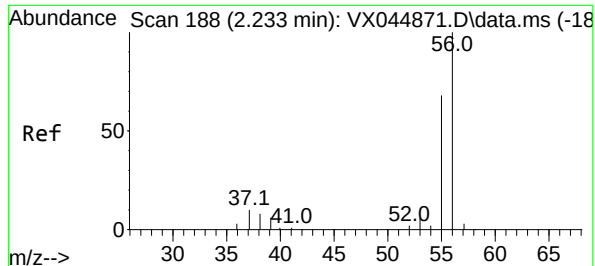
Ion Ratio Lower Upper

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

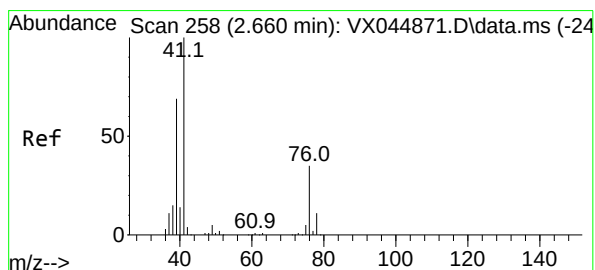
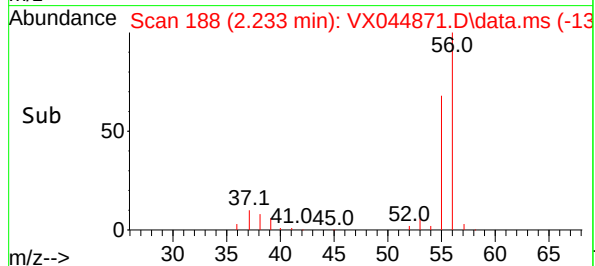
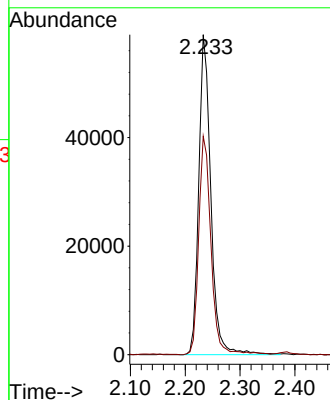
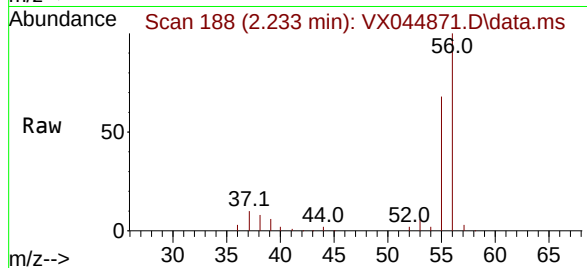
55 69.6 55.7 83.5

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

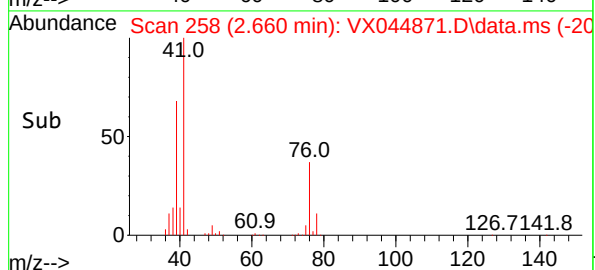
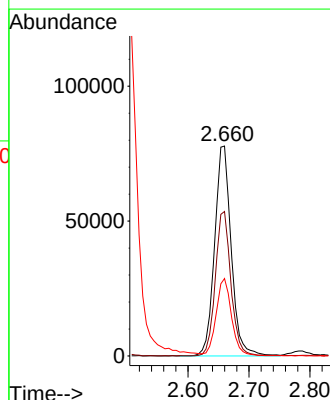
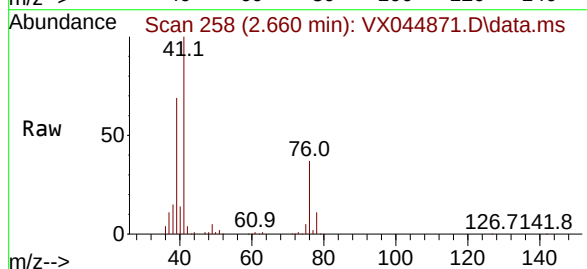
Tgt Ion: 41 Resp: 148044

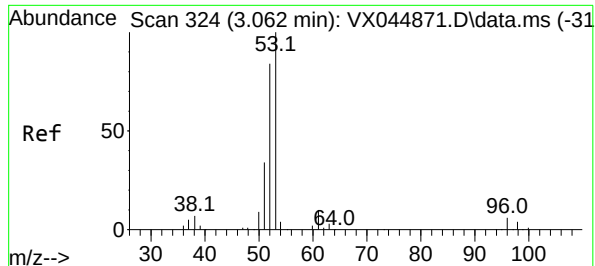
Ion Ratio Lower Upper

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

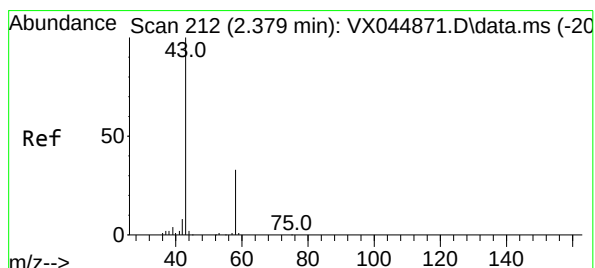
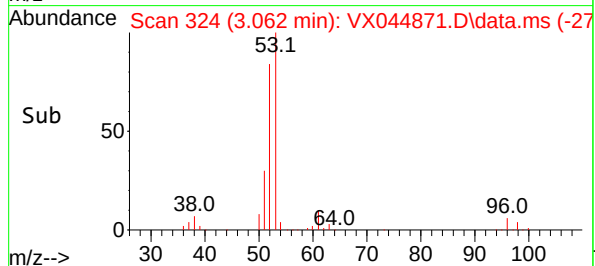
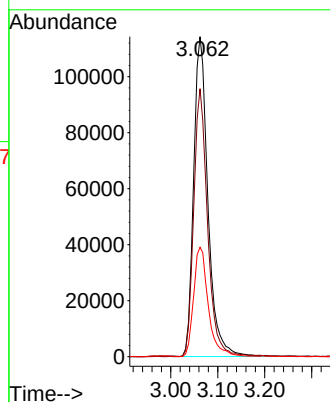
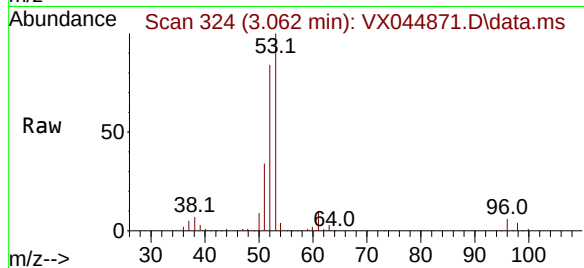
51 35.0 28.0 42.0

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

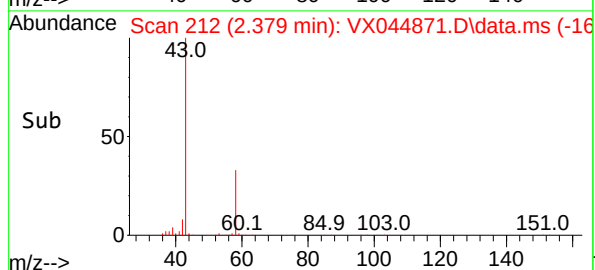
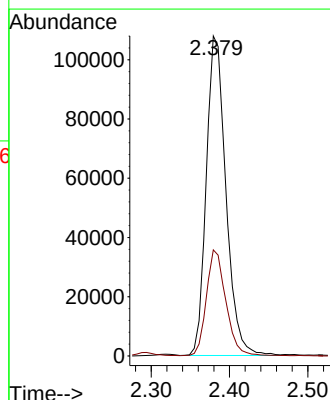
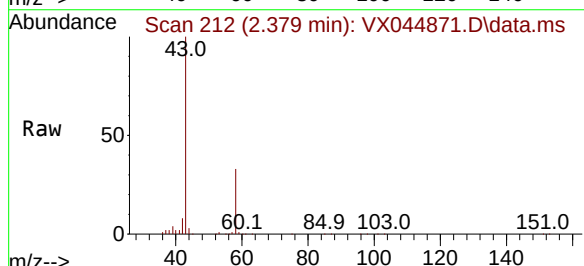
Acq: 10 Feb 2025 11:34

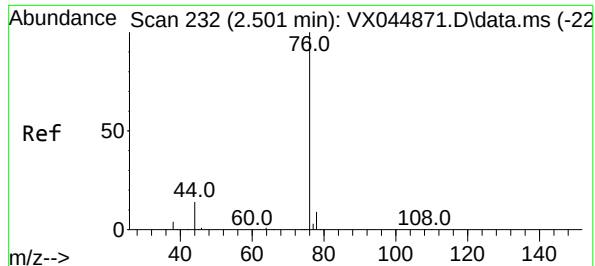
Tgt Ion: 43 Resp: 187739

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

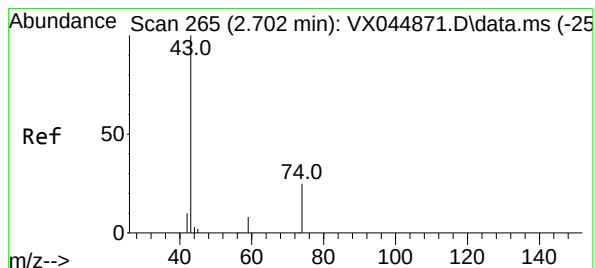
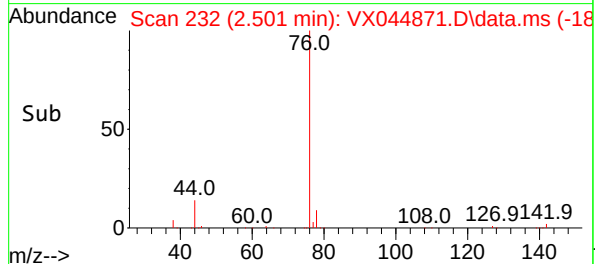
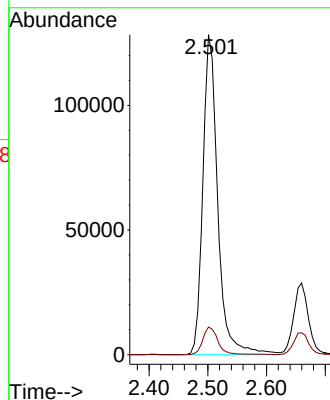
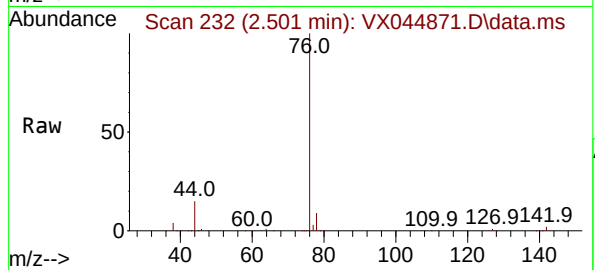
78 8.7 7.0 10.4

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

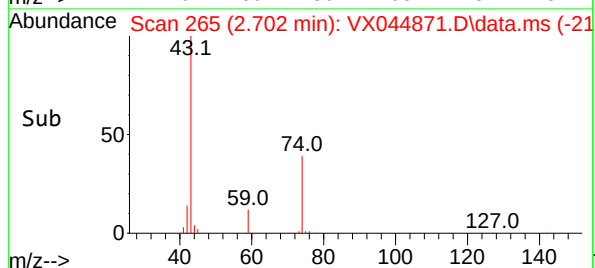
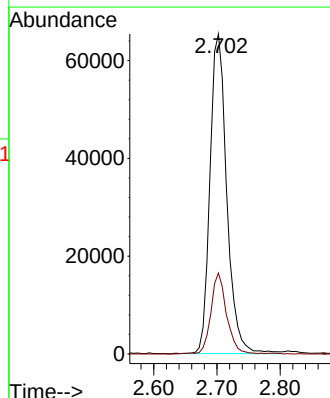
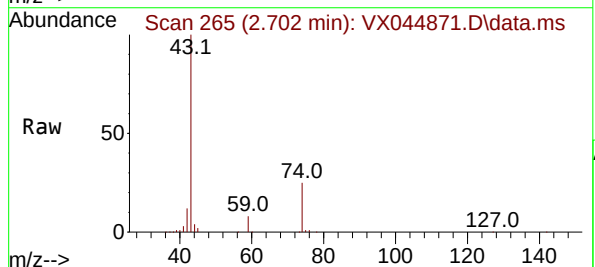
Acq: 10 Feb 2025 11:34

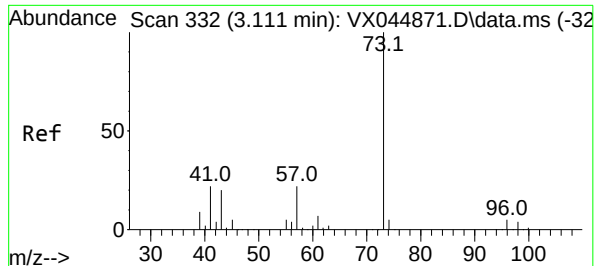
Tgt Ion: 43 Resp: 121039

Ion Ratio Lower Upper

43 100

74 23.6 18.9 28.3





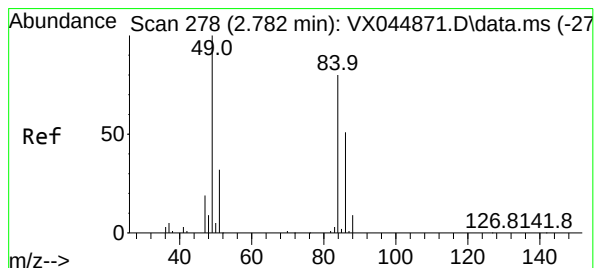
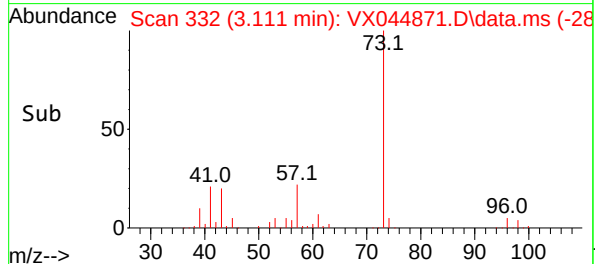
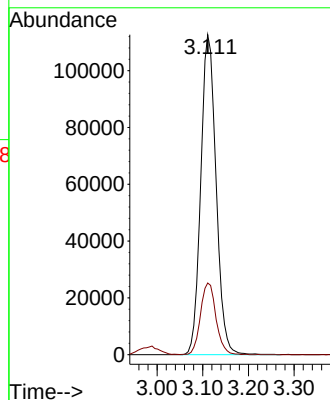
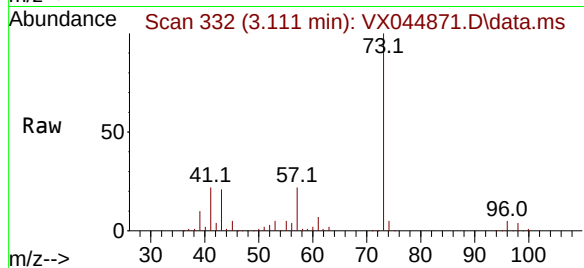
#19
Methyl tert-butyl Ether
Concen: 49.890 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 261852
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9

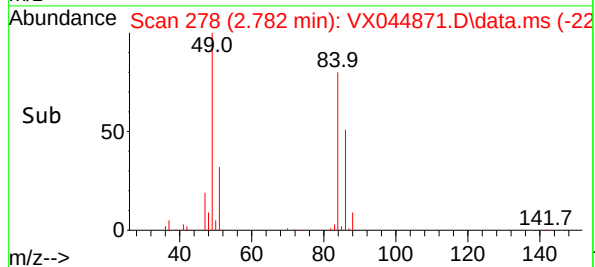
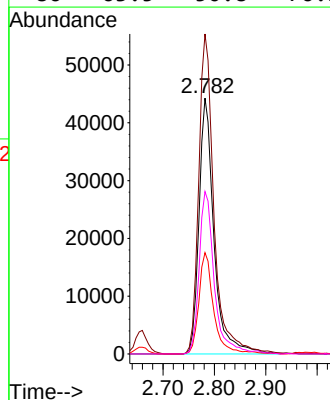
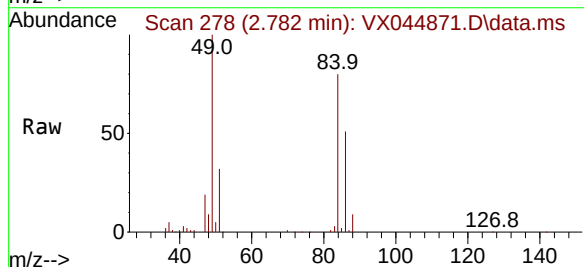
Manual Integrations
APPROVED

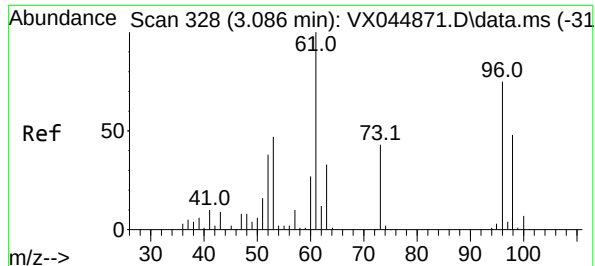
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

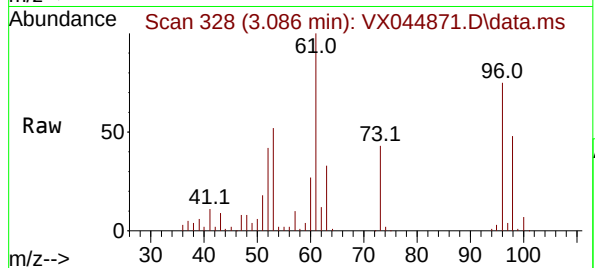
Tgt Ion: 84 Resp: 90038
Ion Ratio Lower Upper
84 100
49 125.1 100.1 150.1
51 39.6 31.7 47.5
86 63.5 50.8 76.2





#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

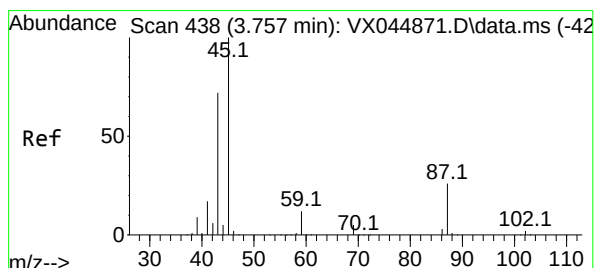
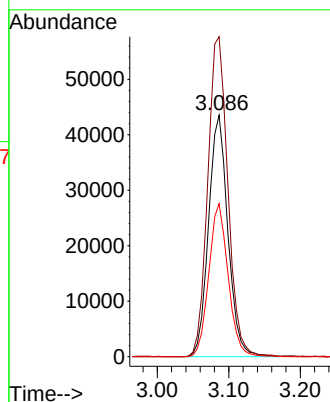
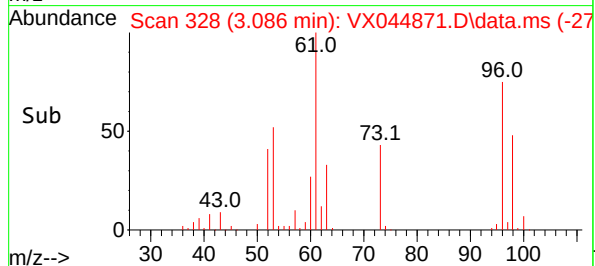
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

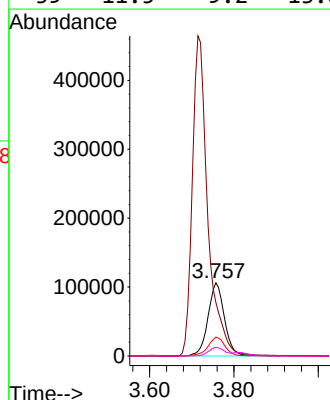
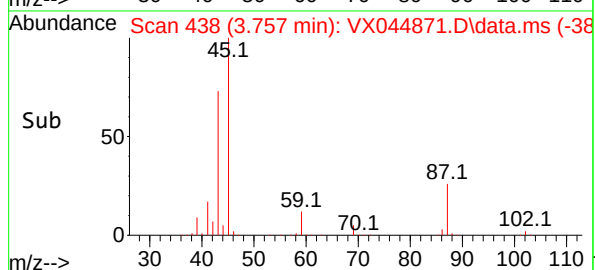
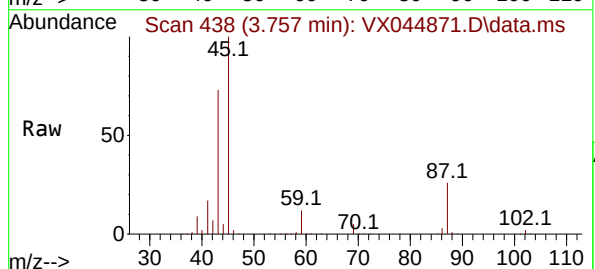
Manual Integrations
APPROVED

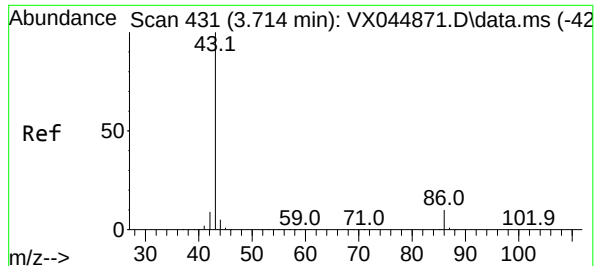
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





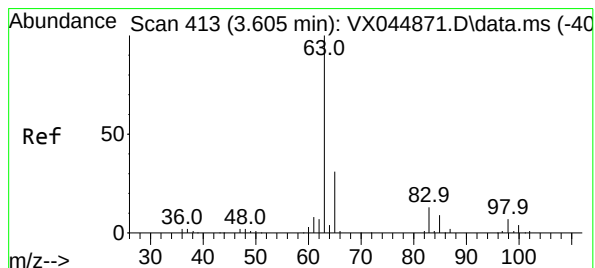
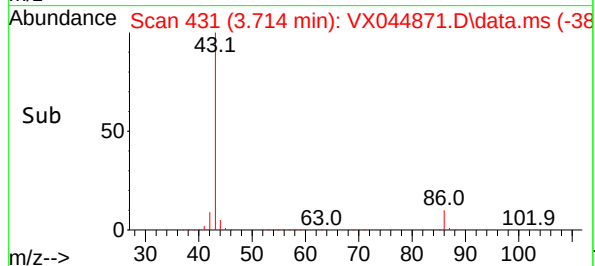
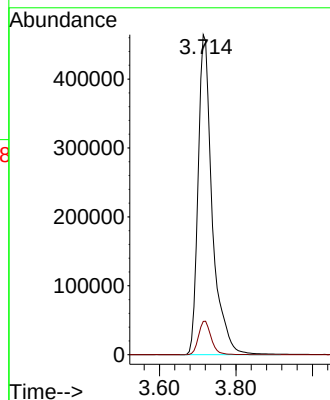
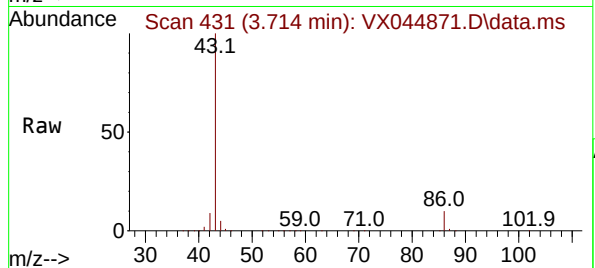
#23
Vinyl Acetate
Concen: 258.830 ug/l
RT: 3.714 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 119015
Ion Ratio Lower Upper
43 100
86 10.4 8.3 12.5

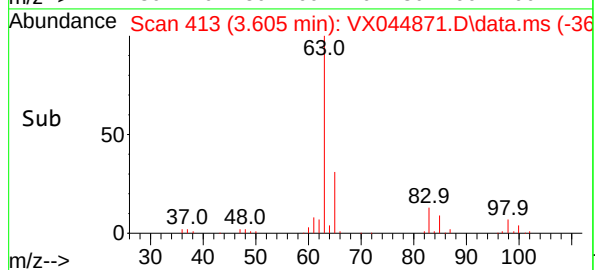
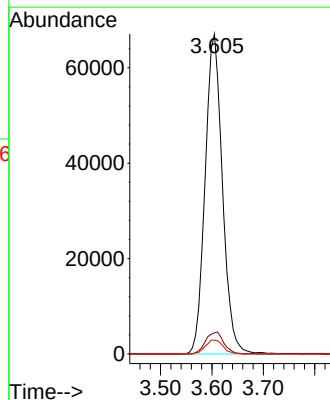
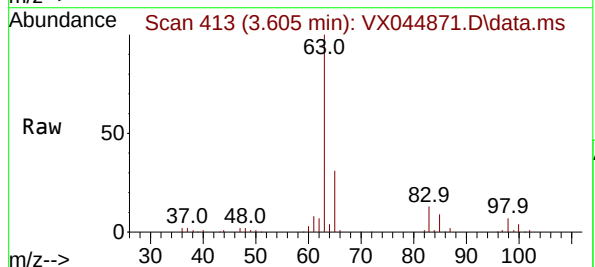
Manual Integrations
APPROVED

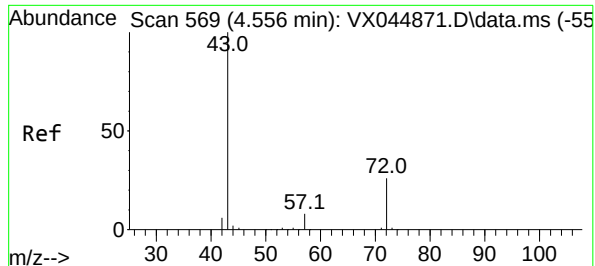
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

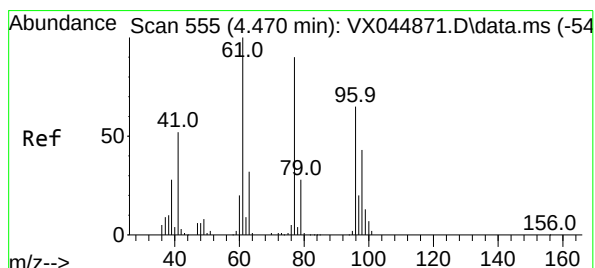
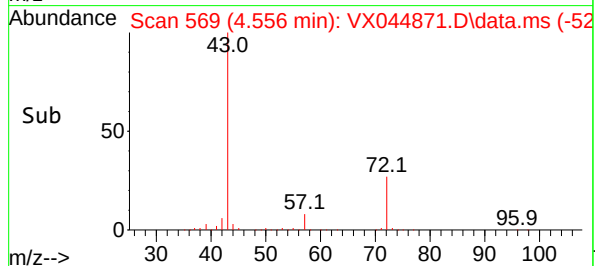
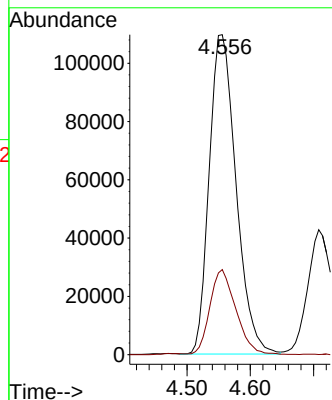
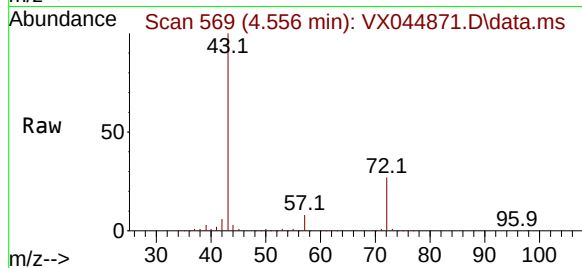
72 26.5 21.2 31.8

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

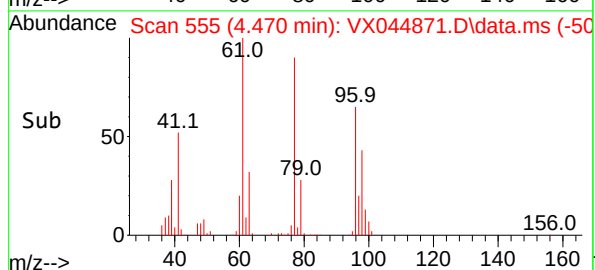
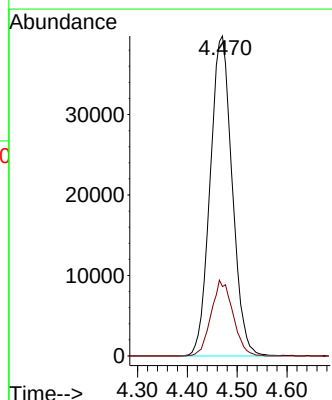
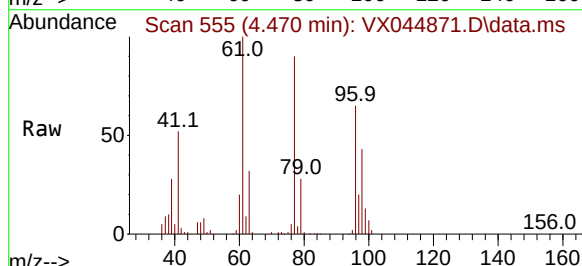
Acq: 10 Feb 2025 11:34

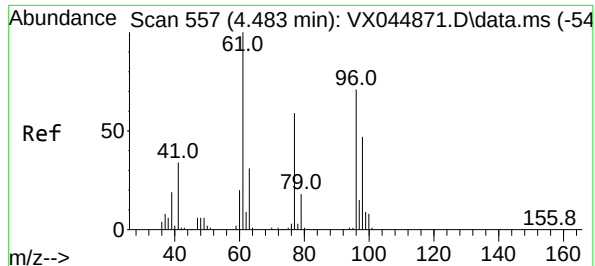
Tgt Ion: 77 Resp: 121901

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# 51

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

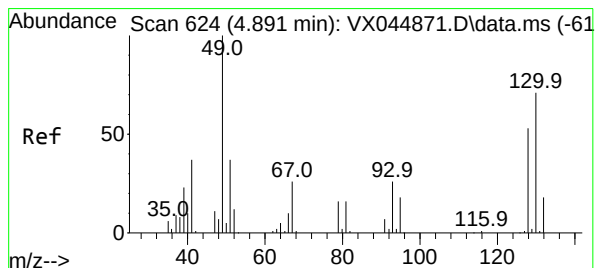
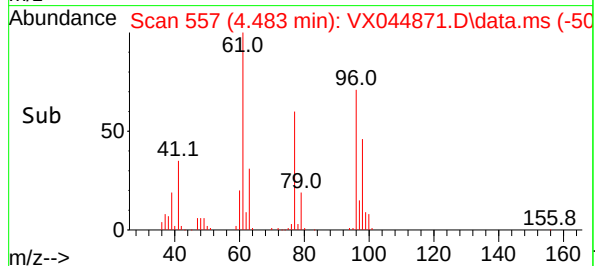
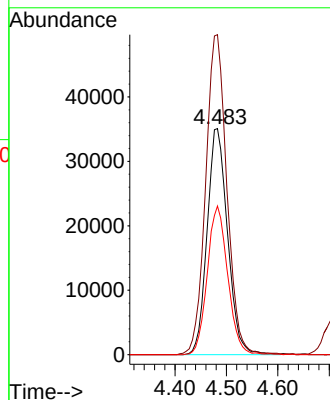
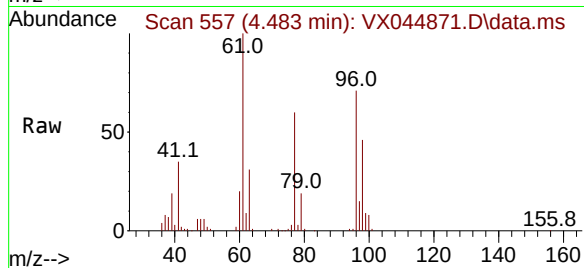
98 65.6 0.0 131.2

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

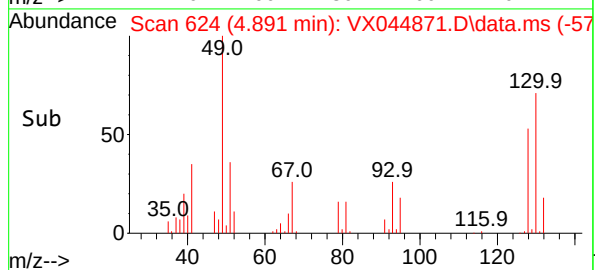
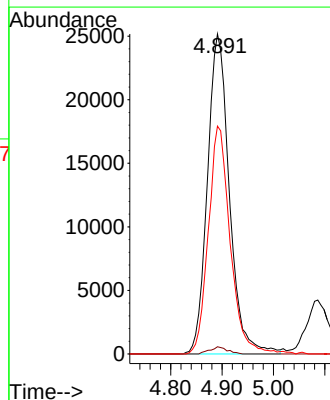
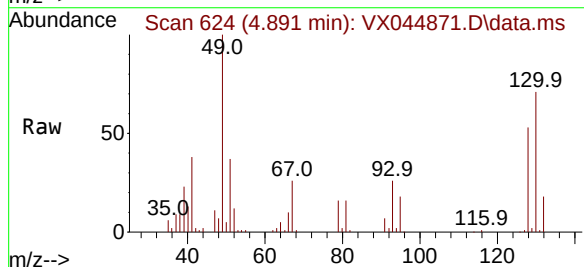
Tgt Ion: 49 Resp: 74707

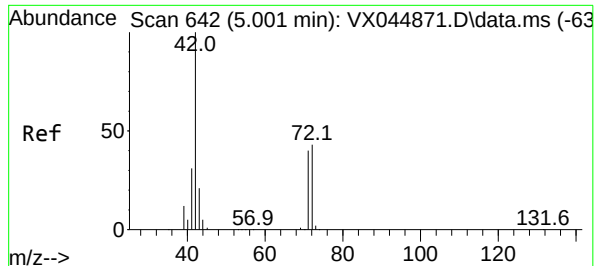
Ion Ratio Lower Upper

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

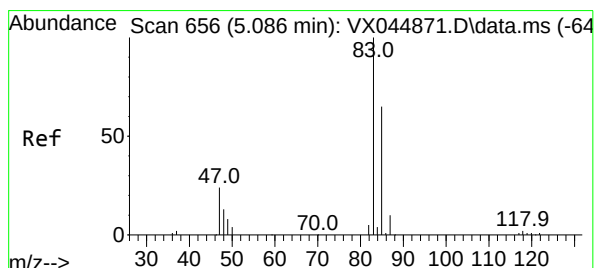
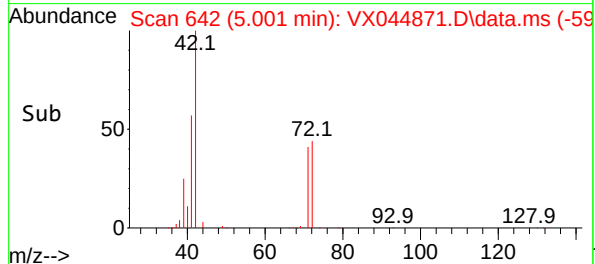
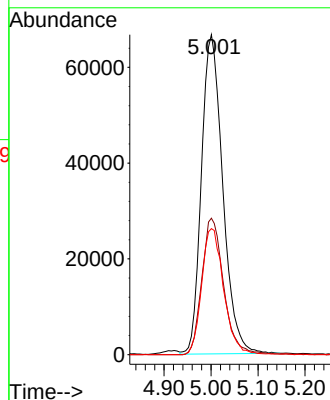
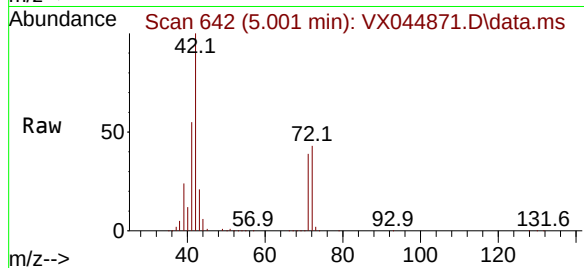
71 40.7 32.6 48.8

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

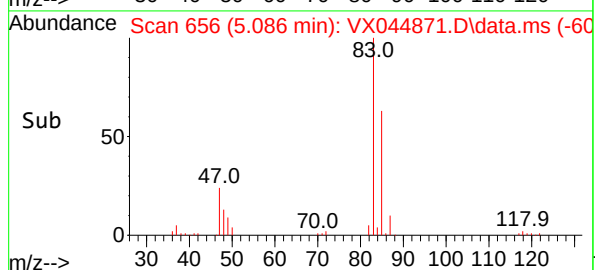
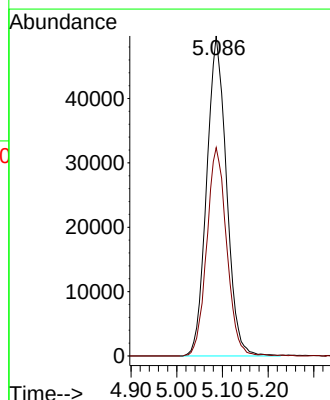
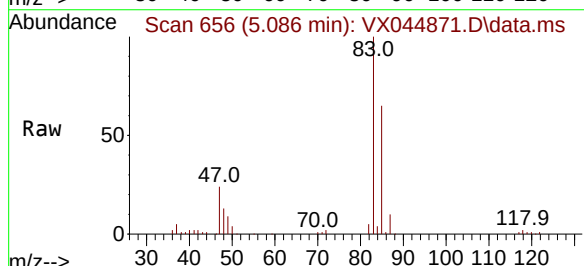
Acq: 10 Feb 2025 11:34

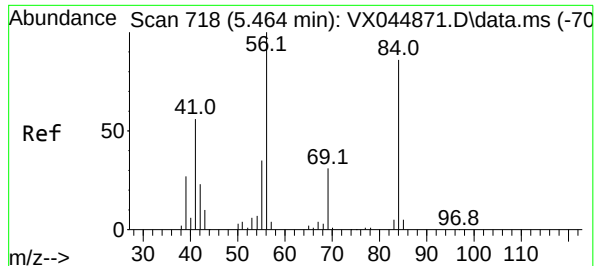
Tgt Ion: 83 Resp: 149581

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

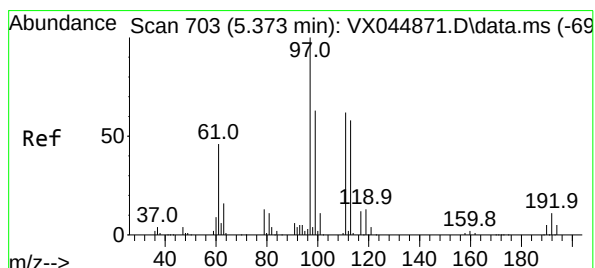
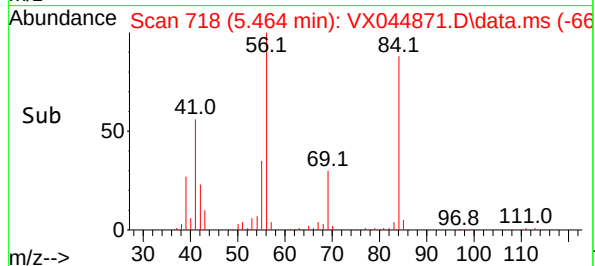
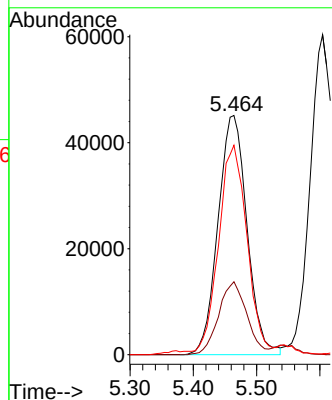
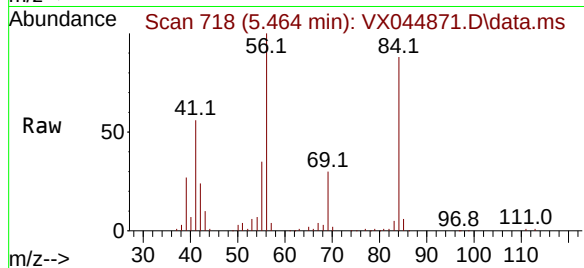
84 86.3 69.0 103.6

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

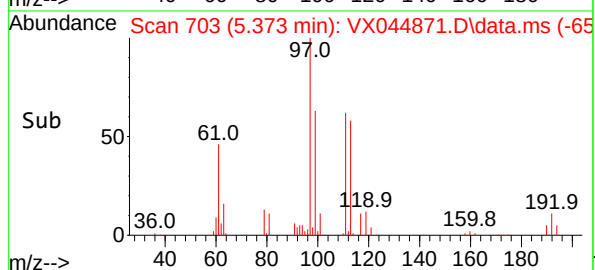
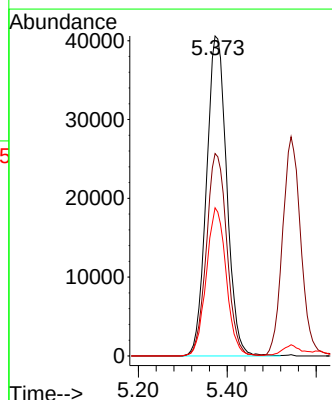
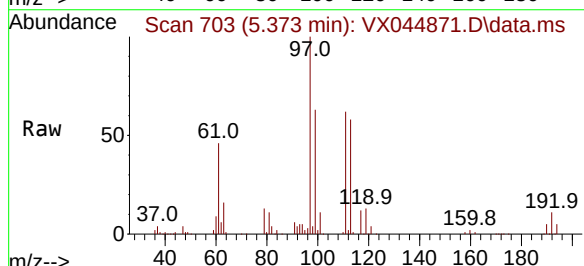
Tgt Ion: 97 Resp: 128561

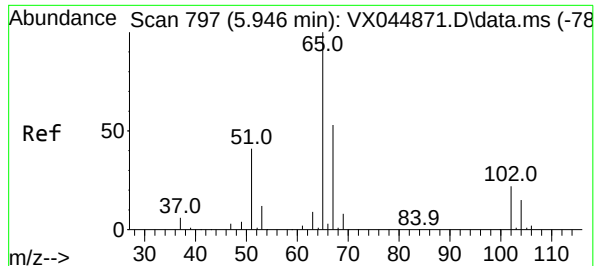
Ion Ratio Lower Upper

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# 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: 9259

Ion Ratio Lower Upper

65 100

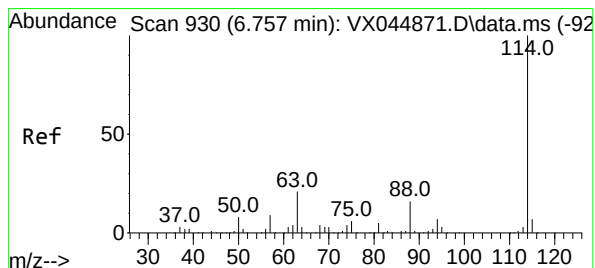
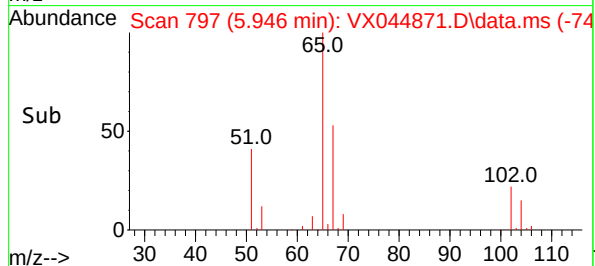
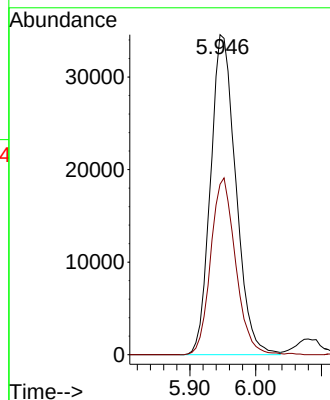
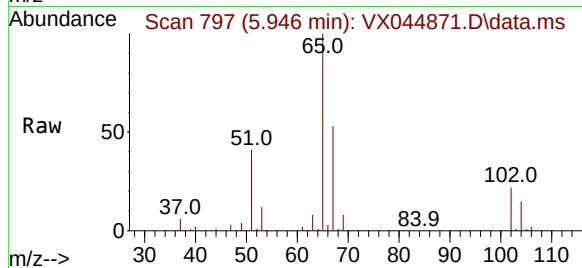
67 54.1 0.0 108.2

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

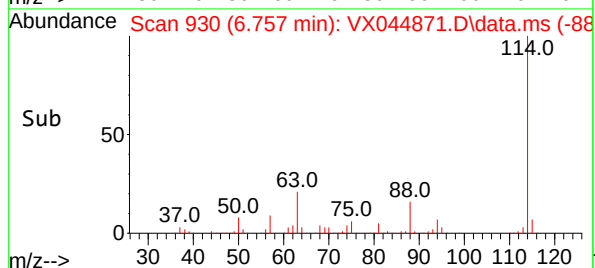
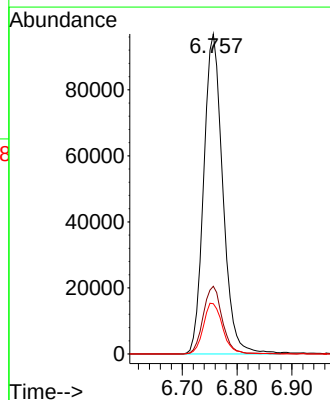
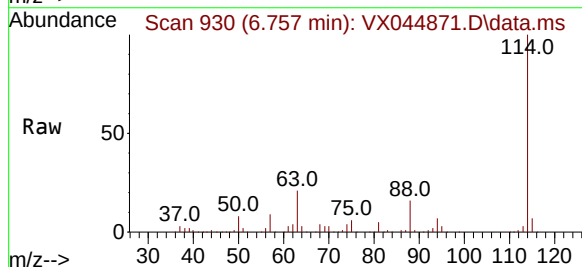
Tgt Ion:114 Resp: 233736

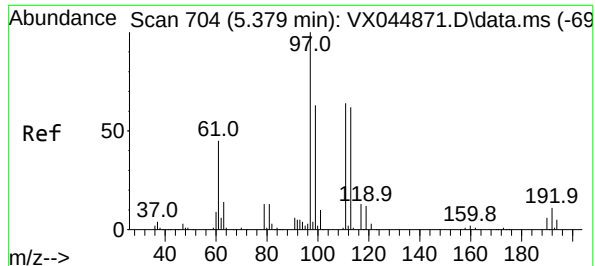
Ion Ratio Lower Upper

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

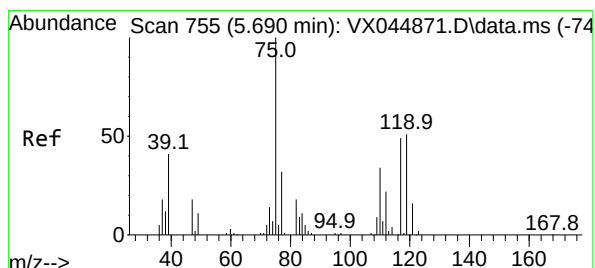
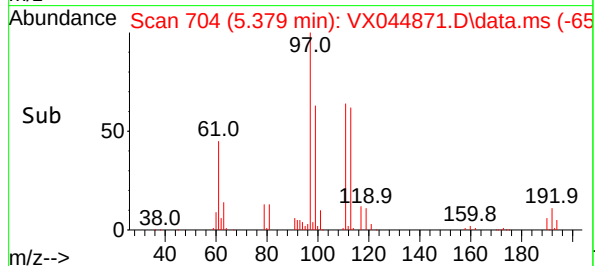
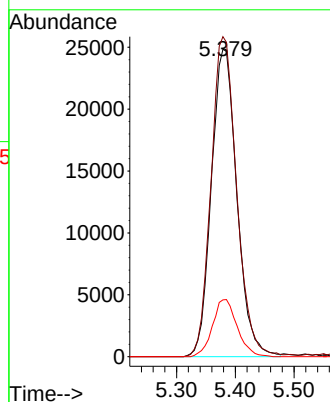
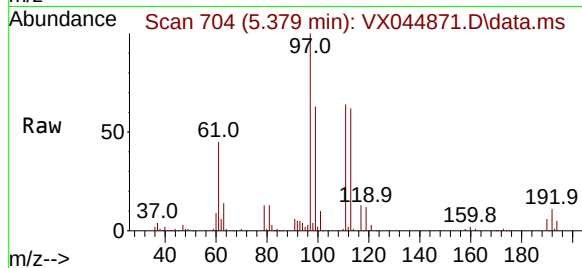
Tgt Ion:	113	Resp:	74900
Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.5	125.3
192	18.0	14.4	21.6

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

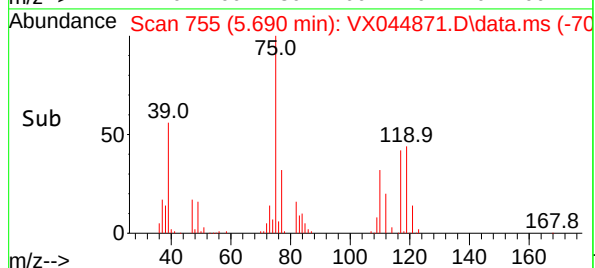
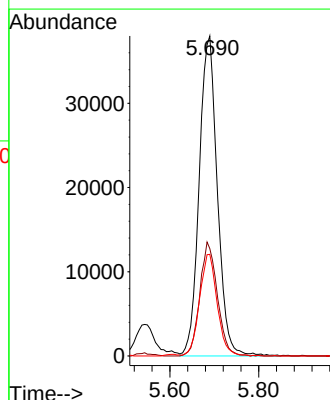
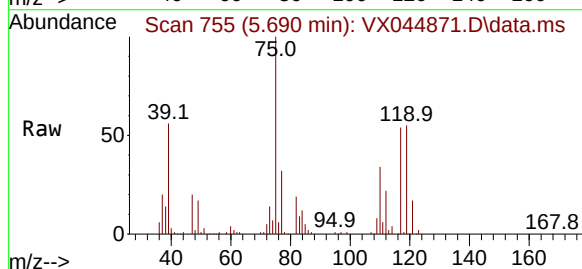
RT: 5.690 min Scan# 755

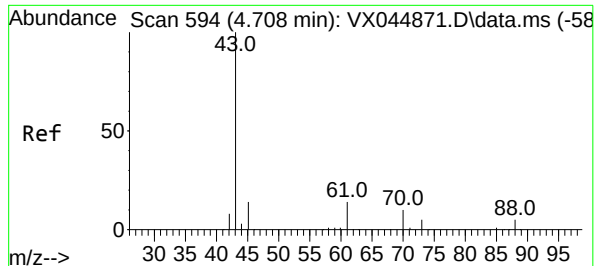
Delta R.T. 0.000 min

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

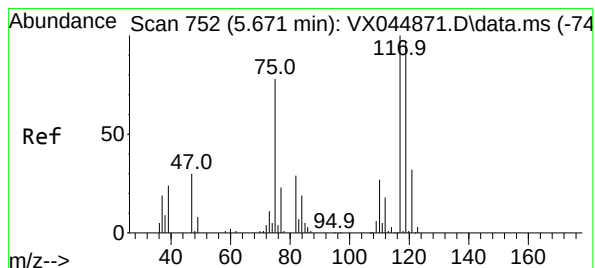
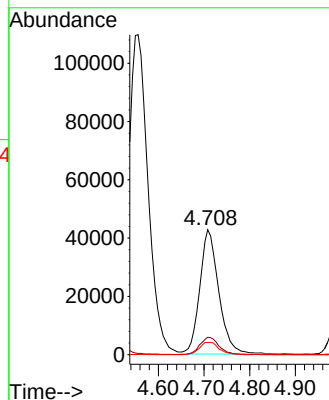
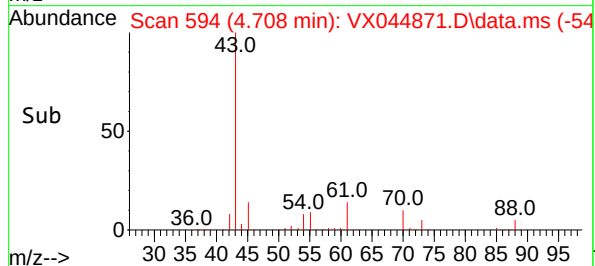
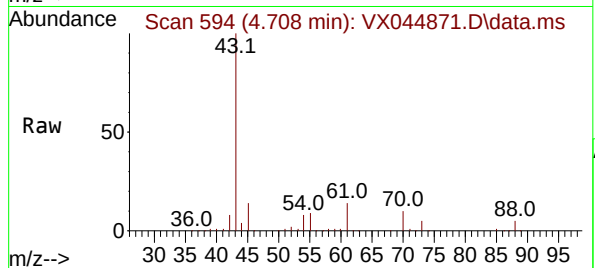
70 10.2 8.2 12.2

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

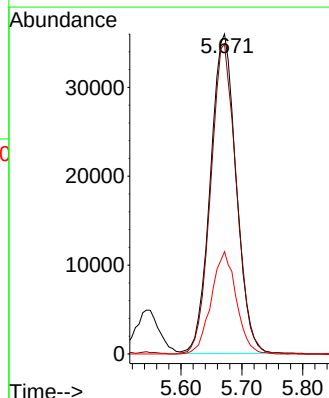
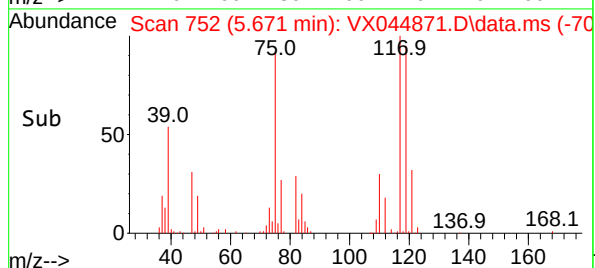
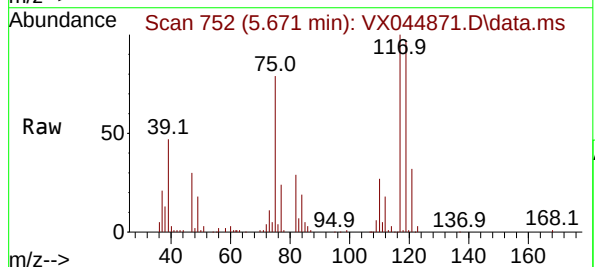
Tgt Ion:117 Resp: 105873

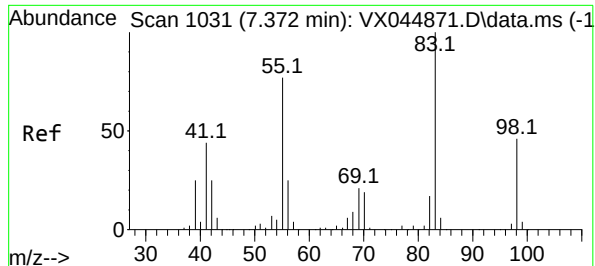
Ion Ratio Lower Upper

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

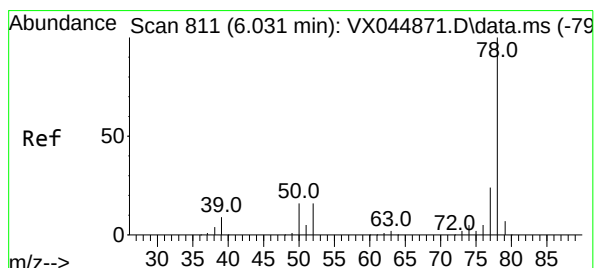
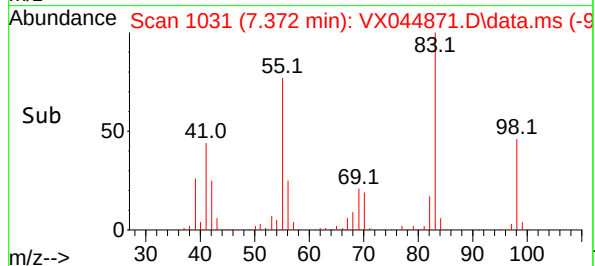
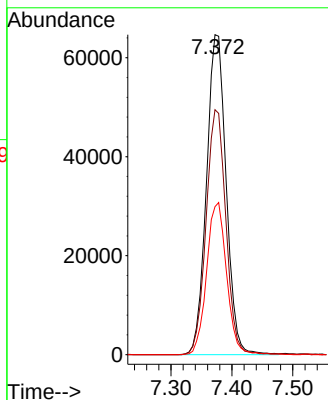
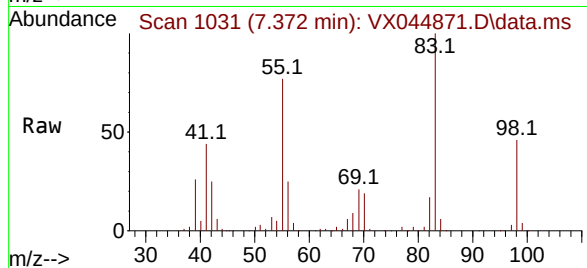
98 46.3 37.0 55.6

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

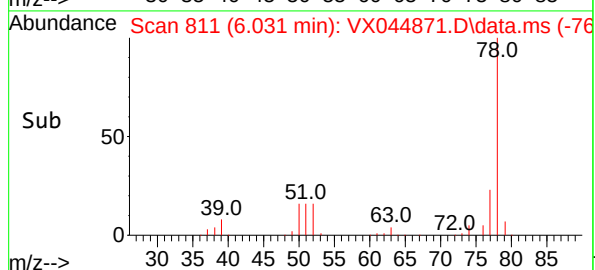
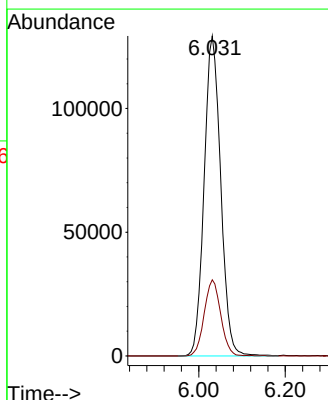
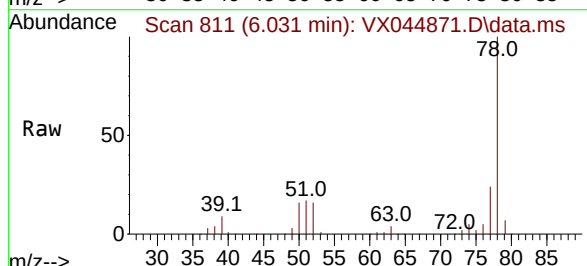
Acq: 10 Feb 2025 11:34

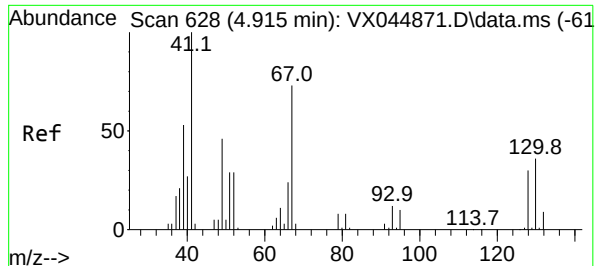
Tgt Ion: 78 Resp: 343557

Ion Ratio Lower Upper

78 100

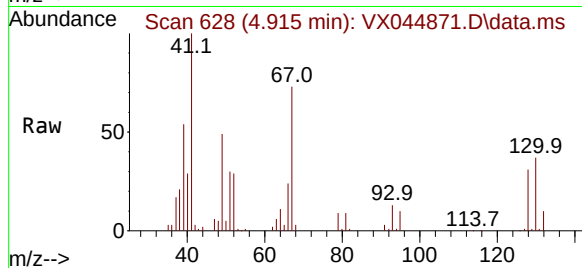
77 23.8 19.0 28.6





#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

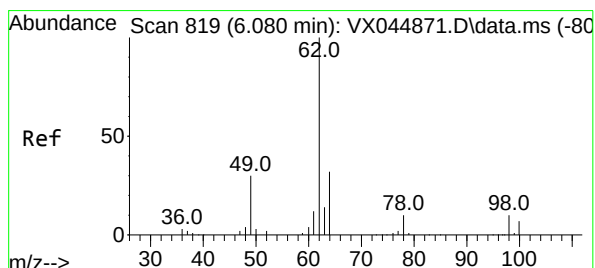
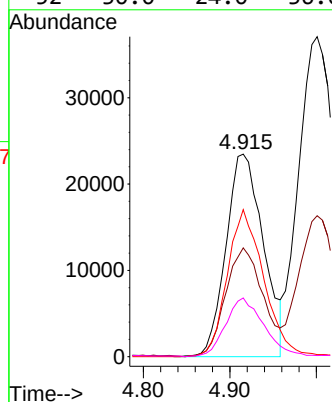
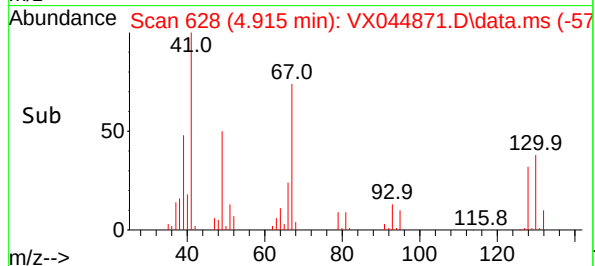
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

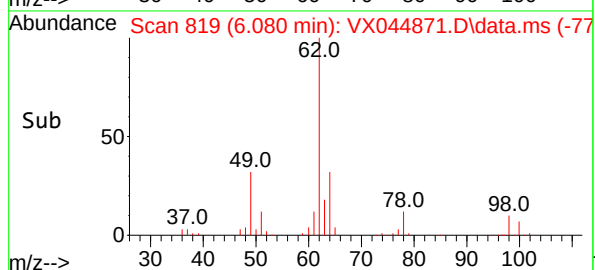
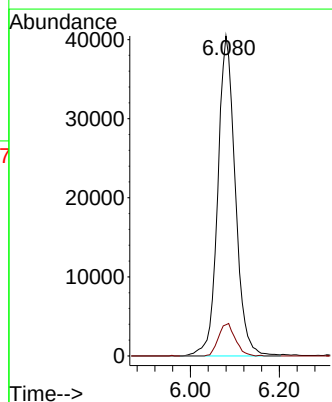
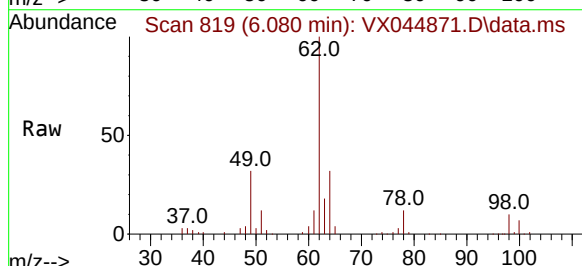
Manual Integrations
APPROVED

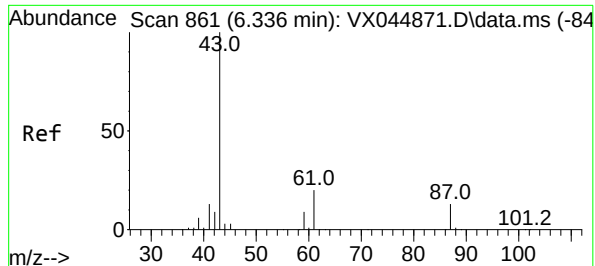
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

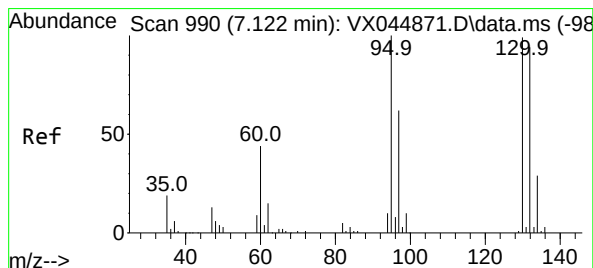
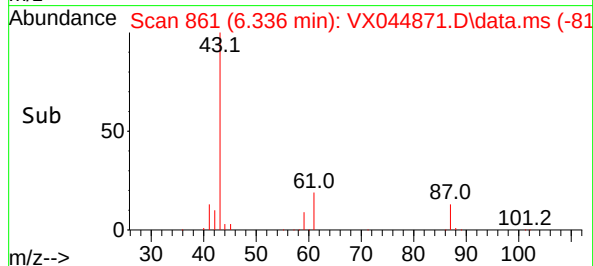
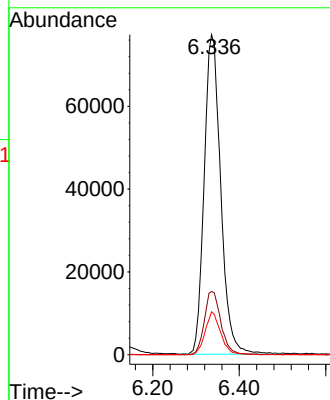
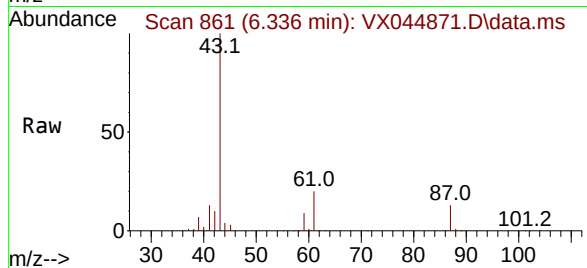
87 12.5 10.0 15.0

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

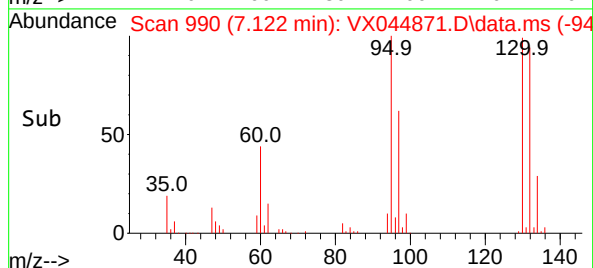
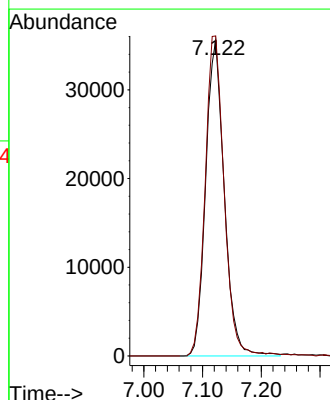
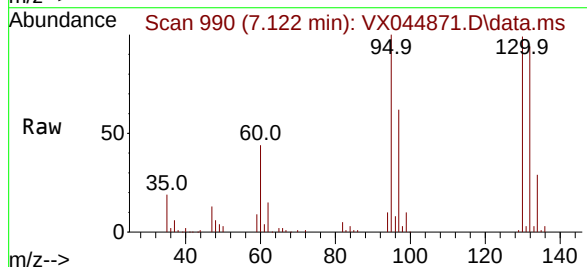
Acq: 10 Feb 2025 11:34

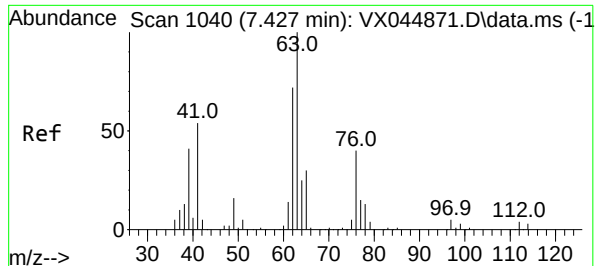
Tgt Ion:130 Resp: 78274

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

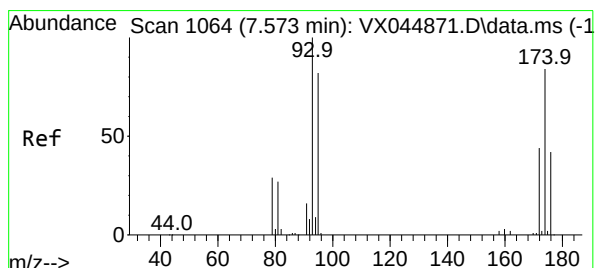
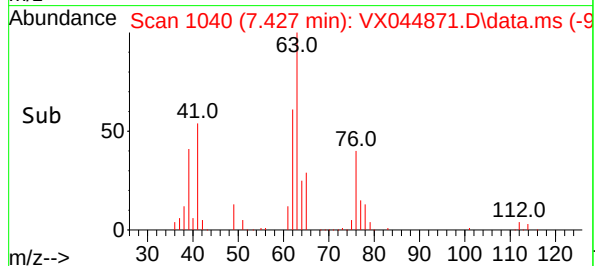
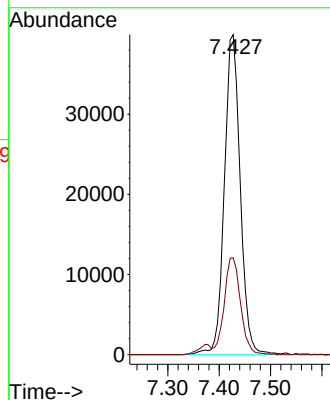
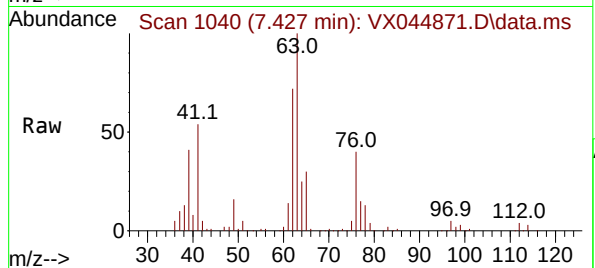
65 30.3 24.2 36.4

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

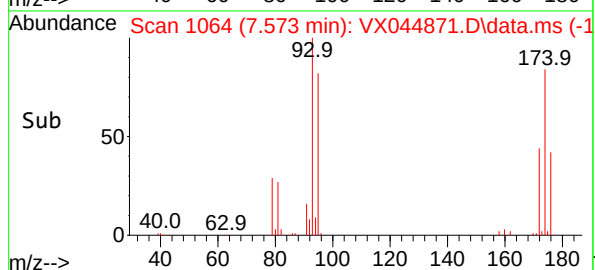
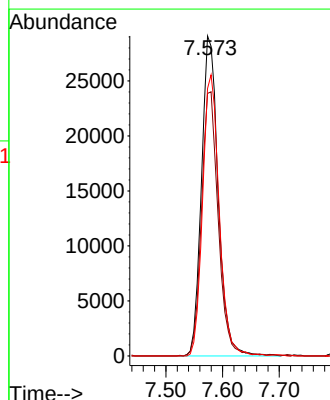
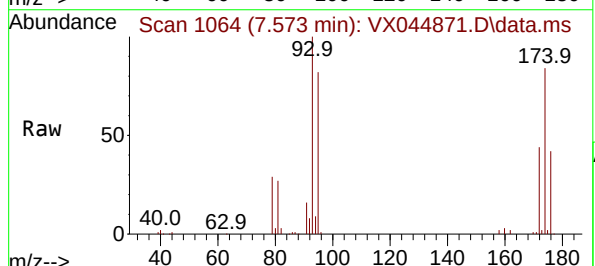
Tgt Ion: 93 Resp: 59625

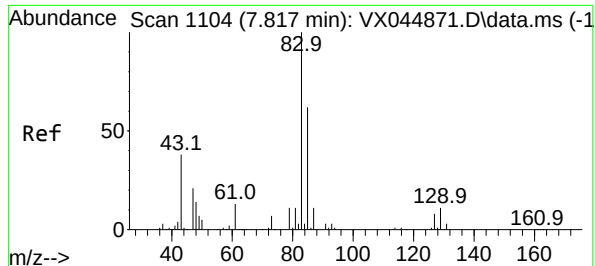
Ion Ratio Lower Upper

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: 116892

Ion Ratio Lower Upper

83 100

85 62.5 50.0 75.0

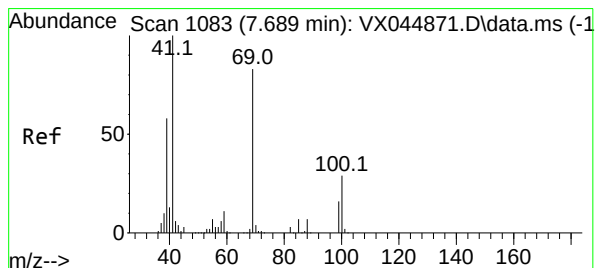
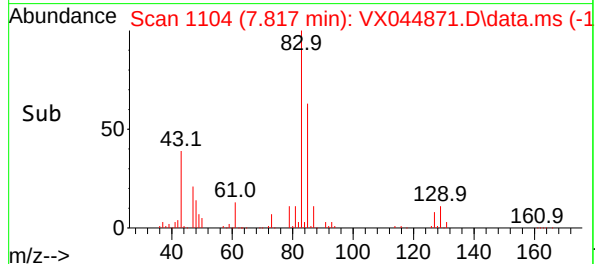
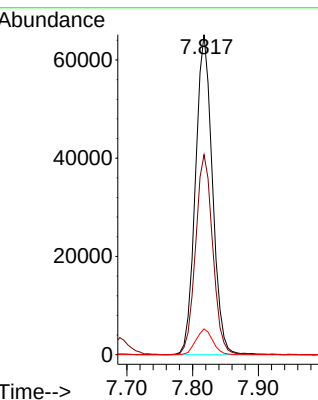
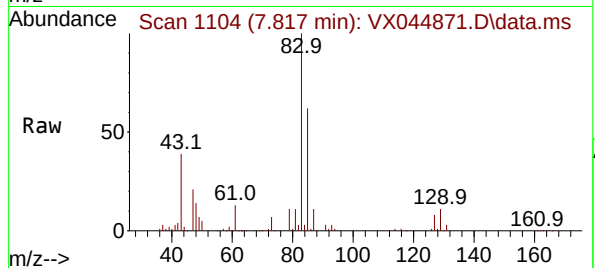
127 8.0 6.4 9.6

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

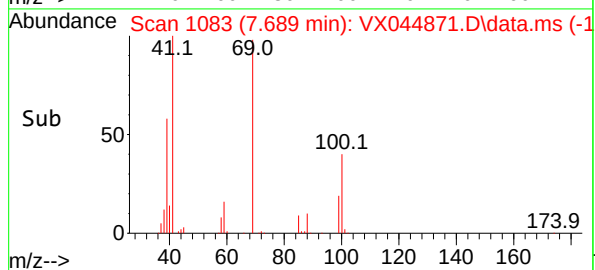
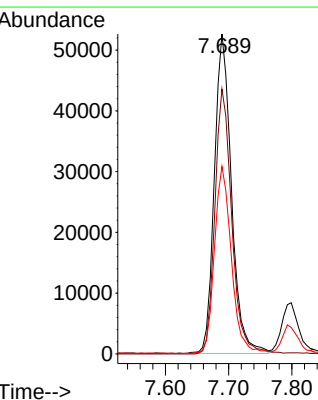
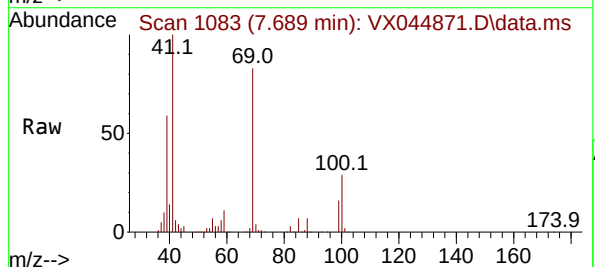
Tgt Ion: 41 Resp: 98519

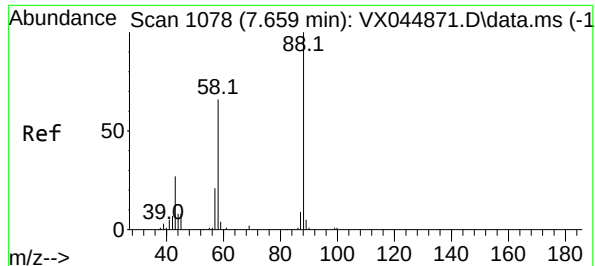
Ion Ratio Lower Upper

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

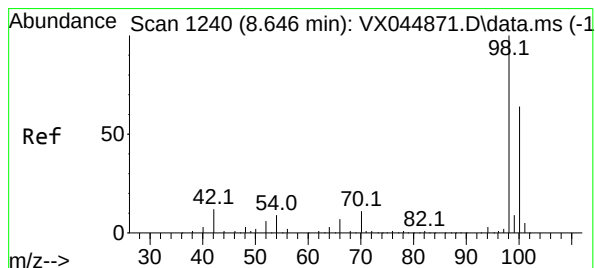
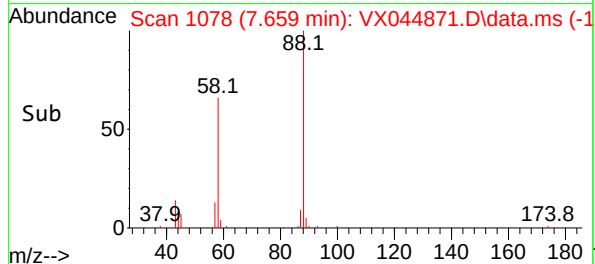
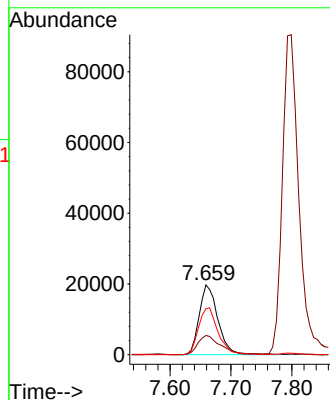
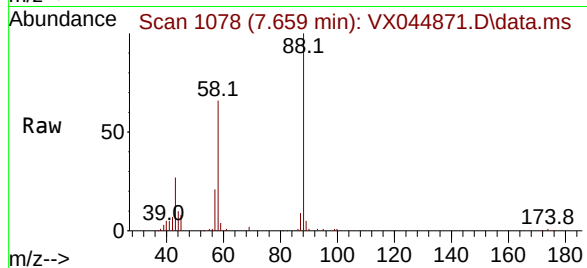
Tgt Ion:	88	Resp:	42094
Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.6	39.8
58	69.9	55.9	83.9

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

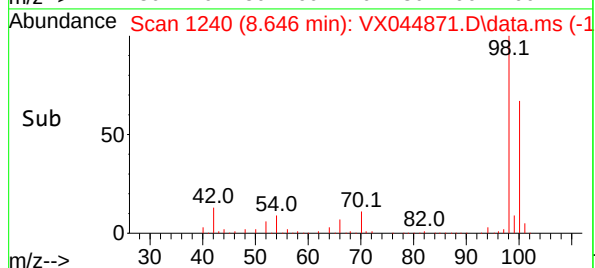
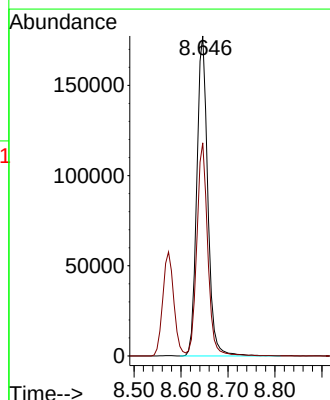
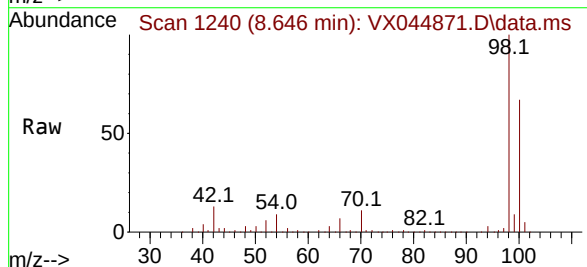
RT: 8.646 min Scan# 1240

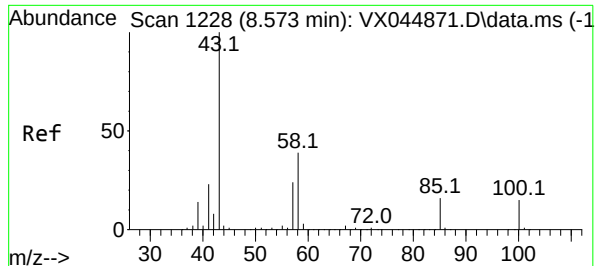
Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

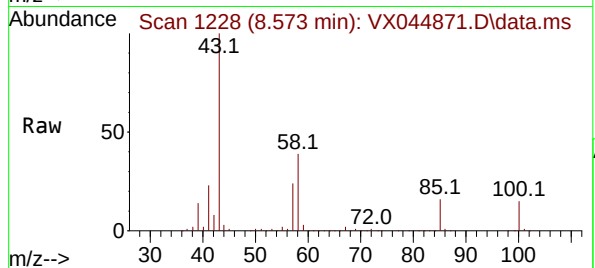
Tgt Ion:	98	Resp:	289575
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1





#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

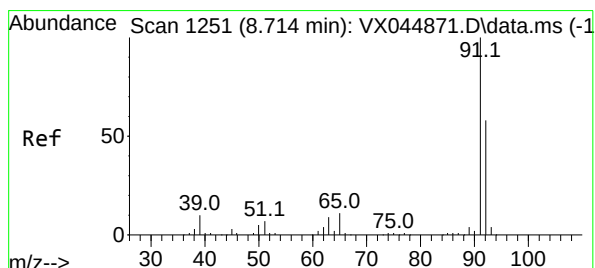
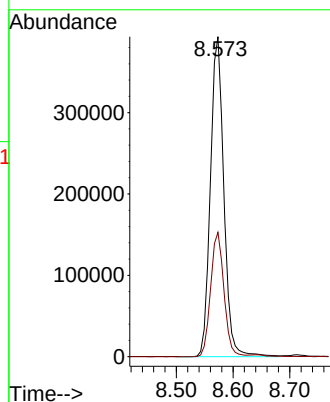
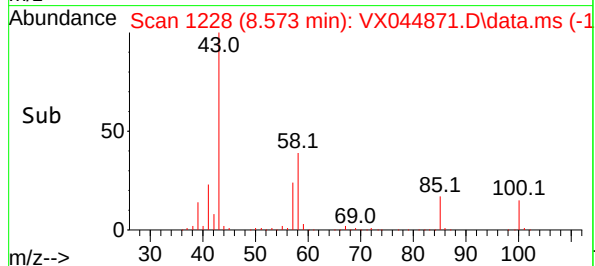
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 64728
Ion Ratio Lower Upper
43 100
58 38.5 30.8 46.2

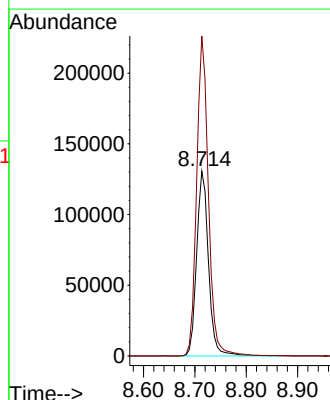
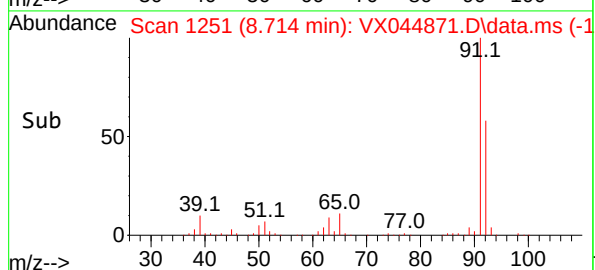
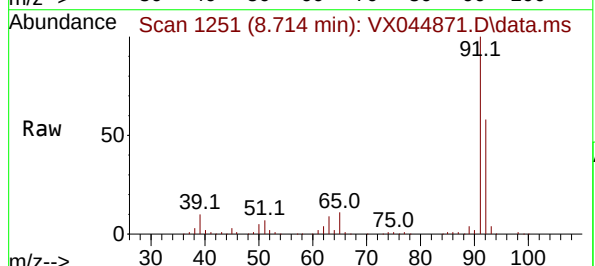
Manual Integrations
APPROVED

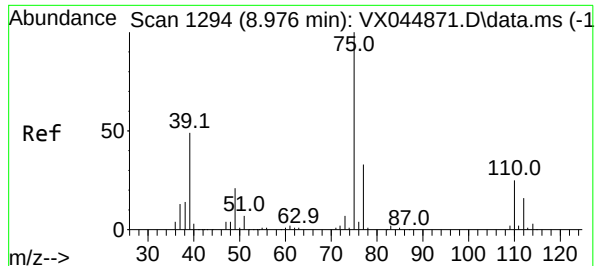
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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# 1294

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

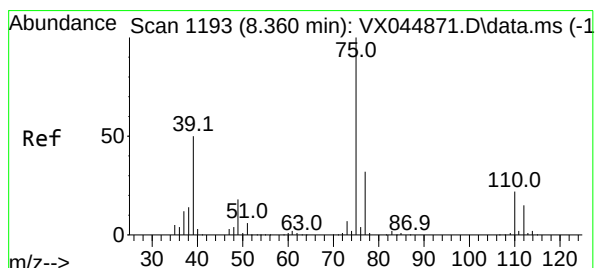
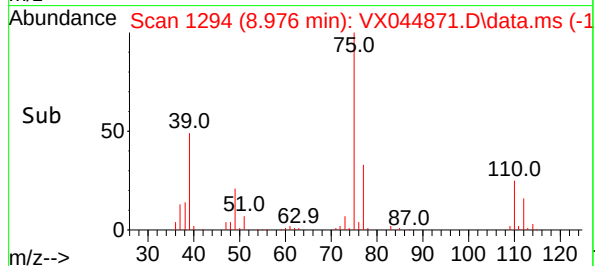
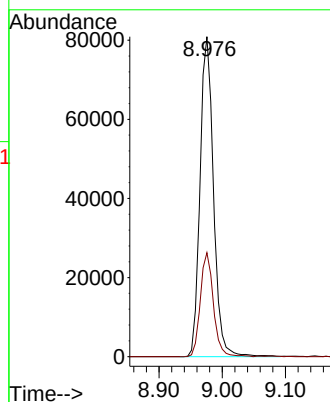
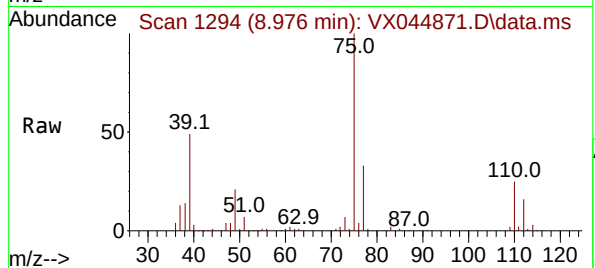
77 32.5 26.0 39.0

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

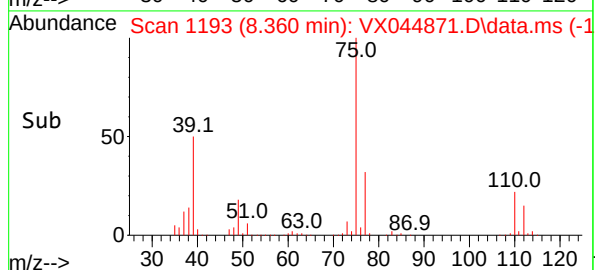
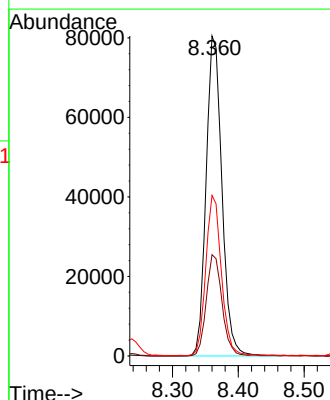
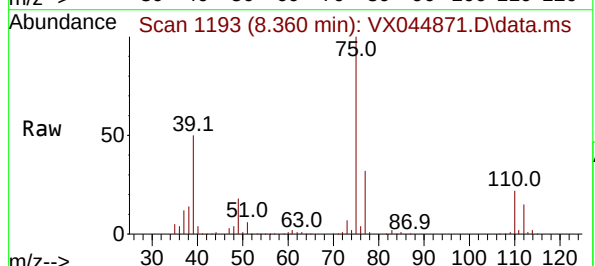
Tgt Ion: 75 Resp: 134763

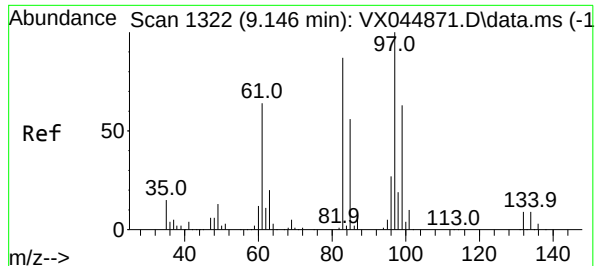
Ion Ratio Lower Upper

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

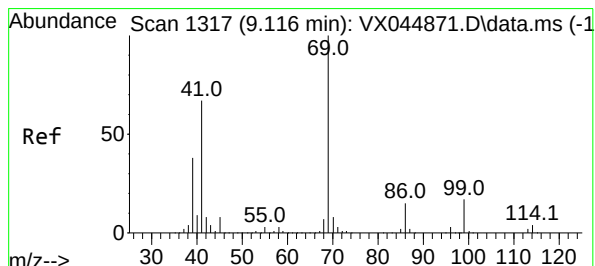
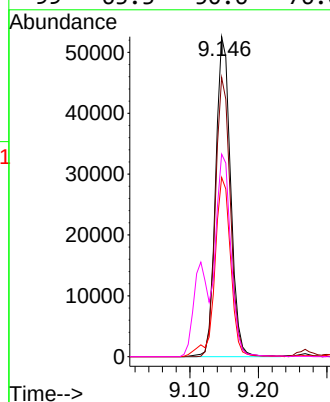
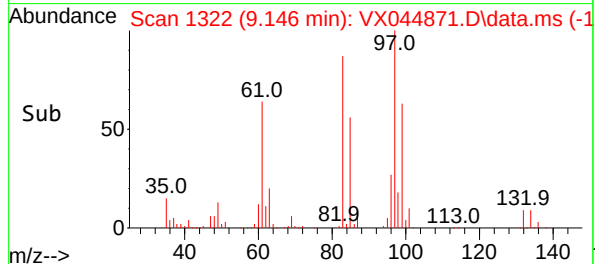
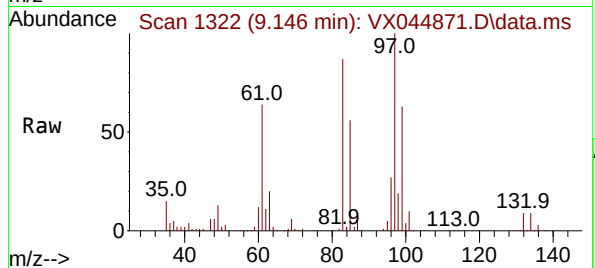
99 63.3 50.6 76.0

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

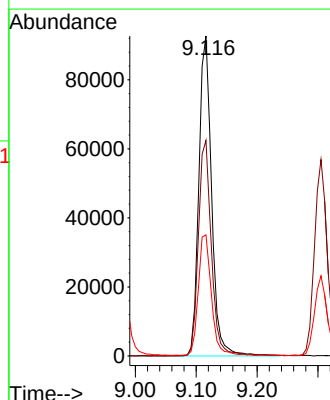
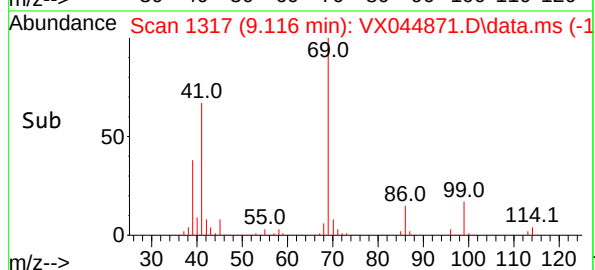
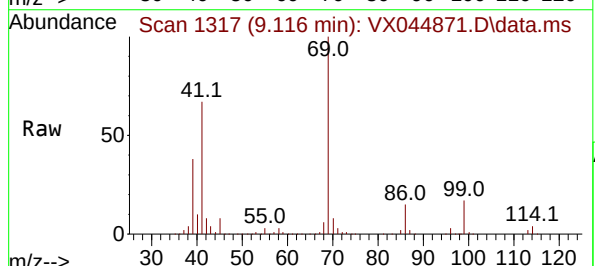
Tgt Ion: 69 Resp: 134975

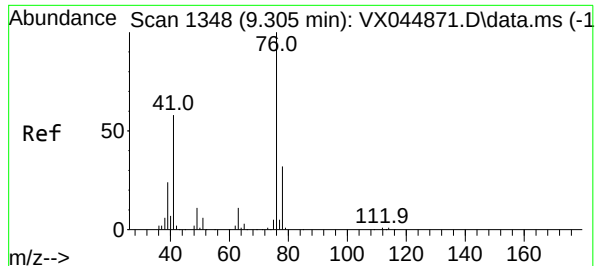
Ion Ratio Lower Upper

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# 11

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

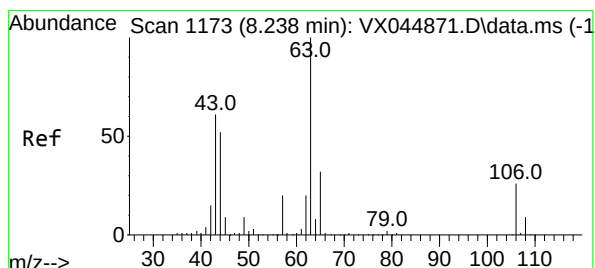
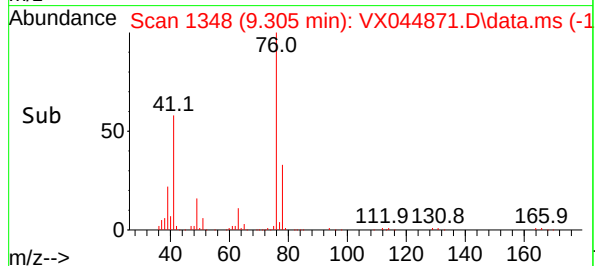
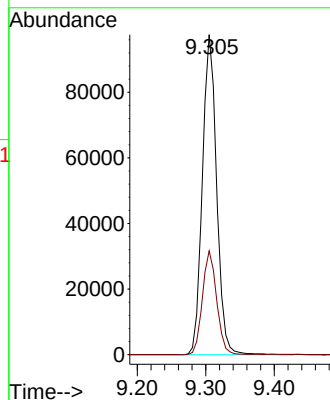
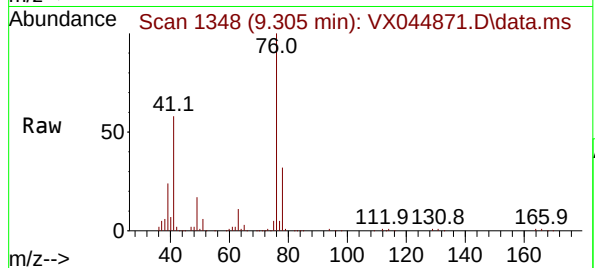
78 32.3 25.8 38.8

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

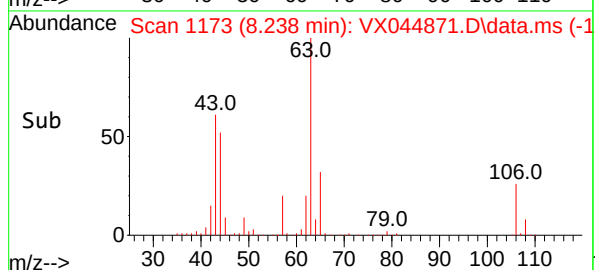
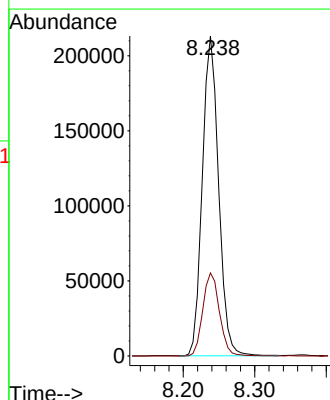
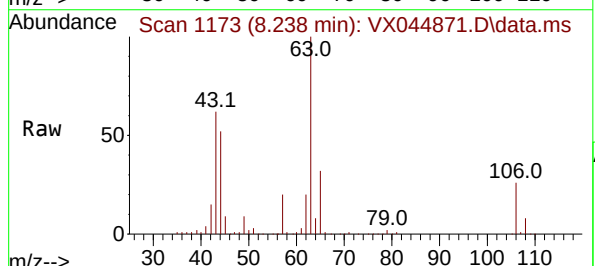
Acq: 10 Feb 2025 11:34

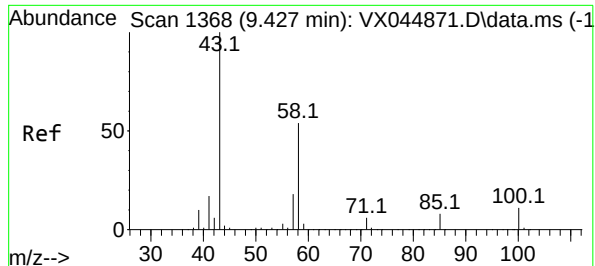
Tgt Ion: 63 Resp: 336412

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

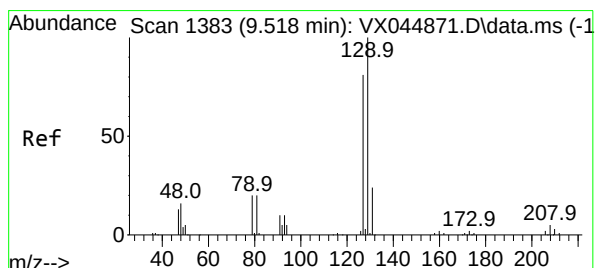
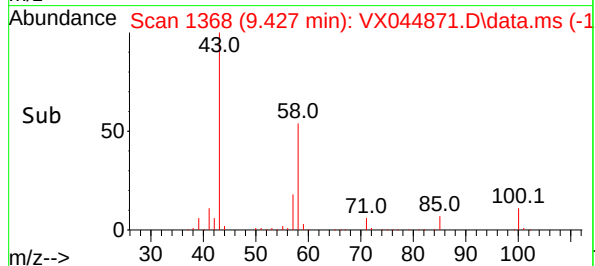
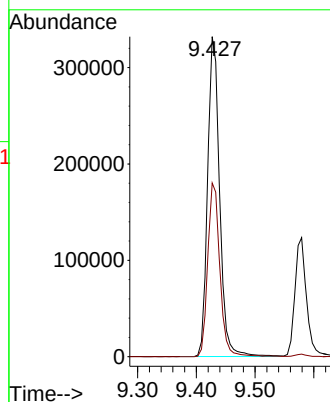
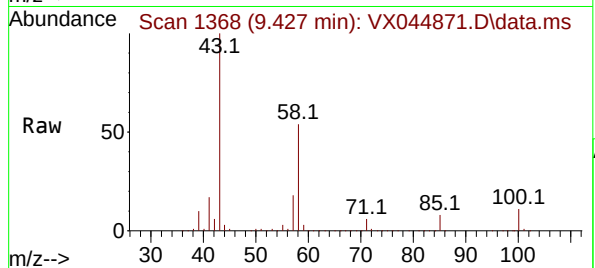
58 54.9 27.5 82.4

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

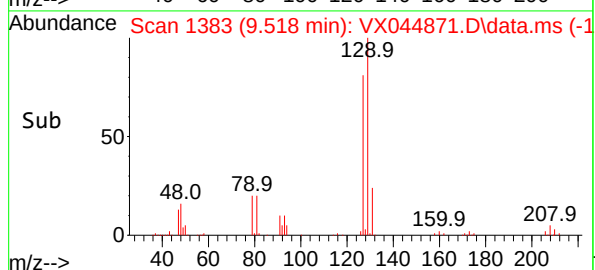
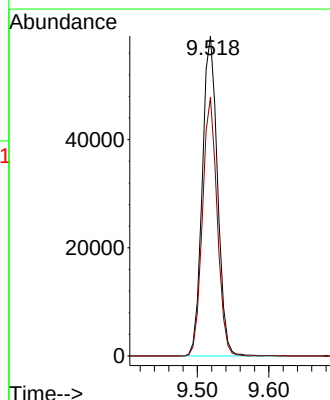
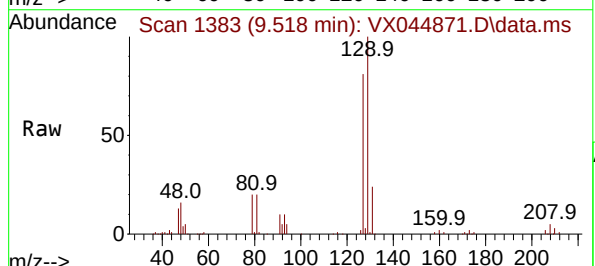
Acq: 10 Feb 2025 11:34

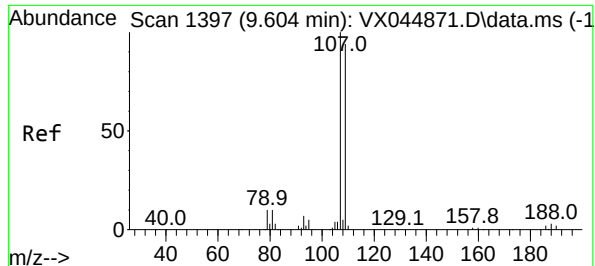
Tgt Ion:129 Resp: 87240

Ion Ratio Lower Upper

129 100

127 78.2 39.1 117.3





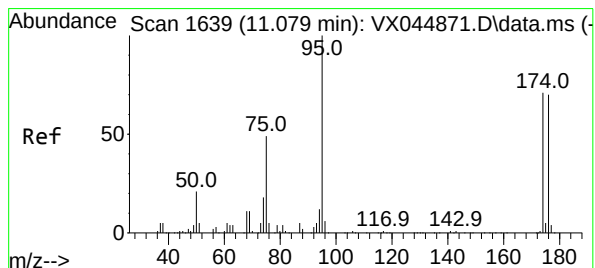
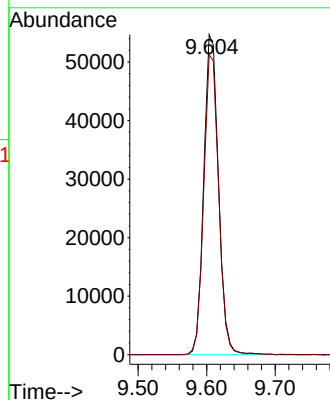
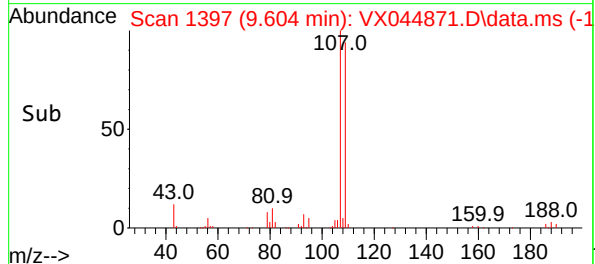
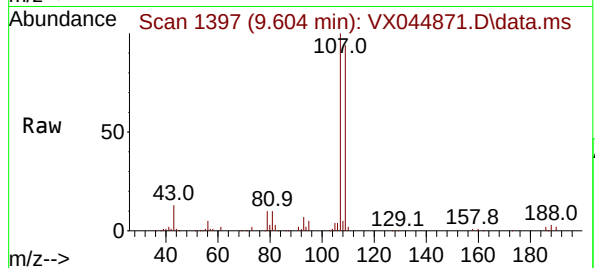
#61
1,2-Dibromoethane
Concen: 51.564 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

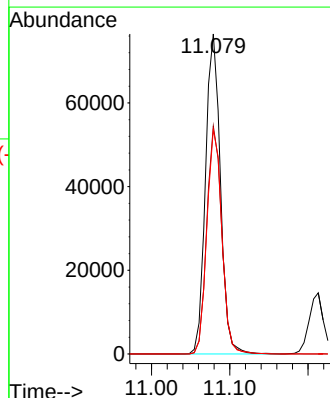
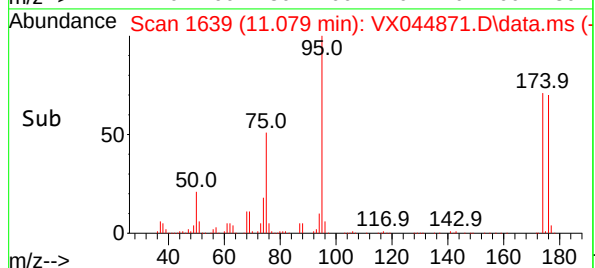
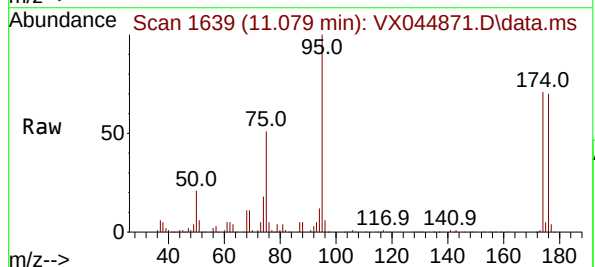
Manual Integrations
APPROVED

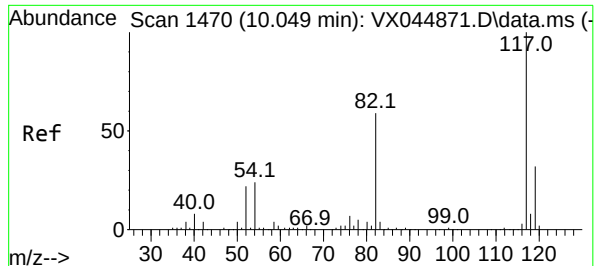
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

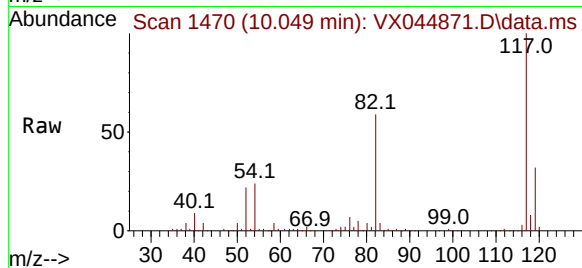
Tgt Ion: 95 Resp: 100798
Ion Ratio Lower Upper
95 100
174 71.3 0.0 142.6
176 70.8 0.0 141.6





#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

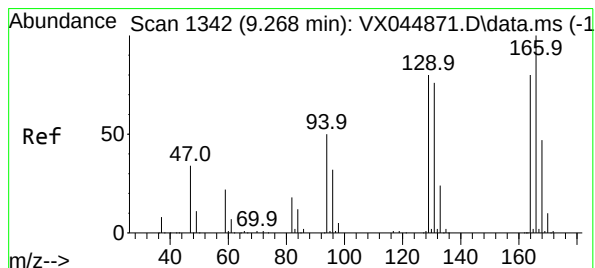
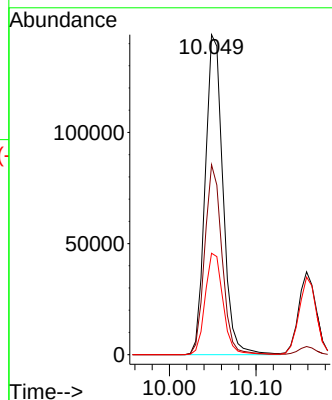
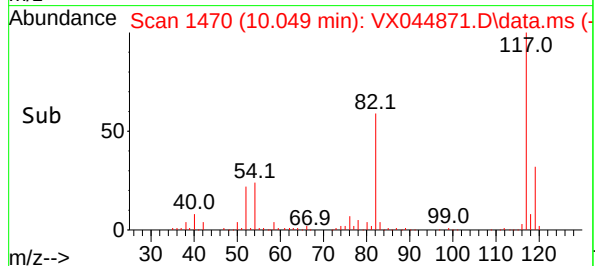
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

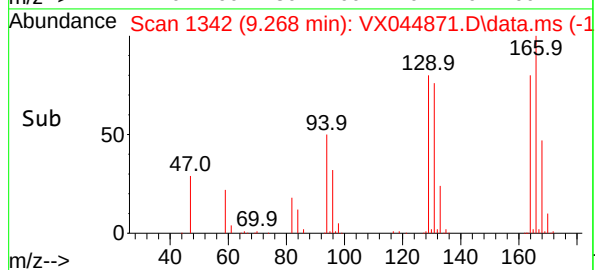
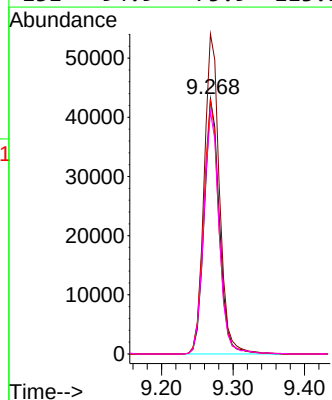
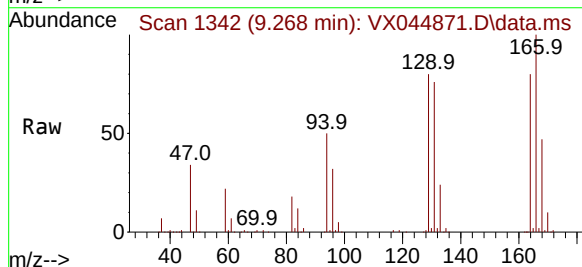
Manual Integrations
APPROVED

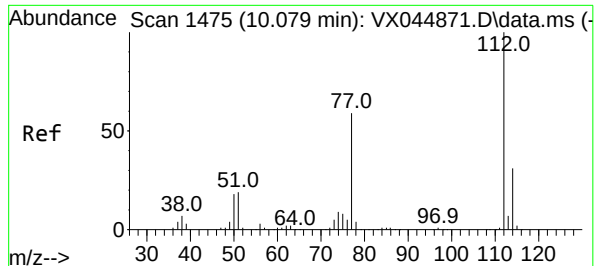
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





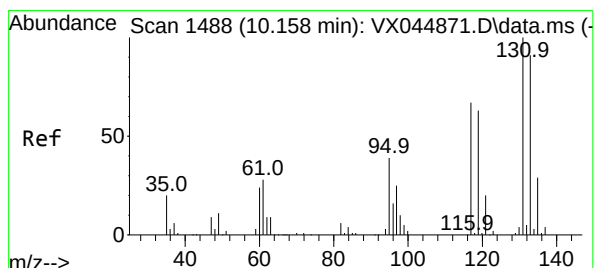
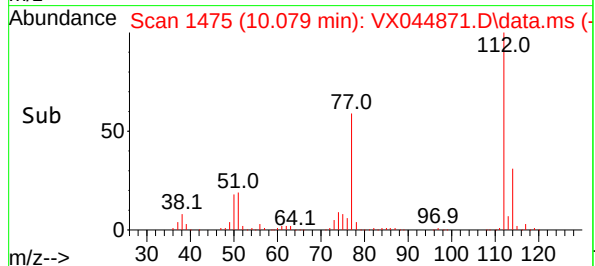
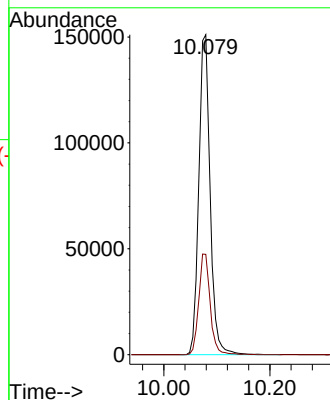
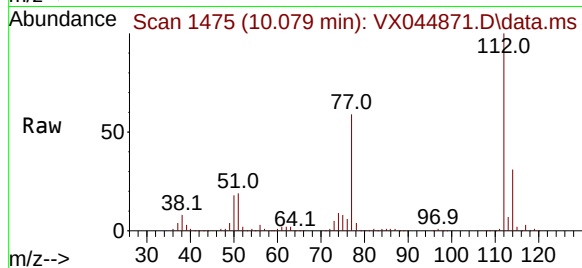
#65
Chlorobenzene
Concen: 51.005 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 224300
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.6

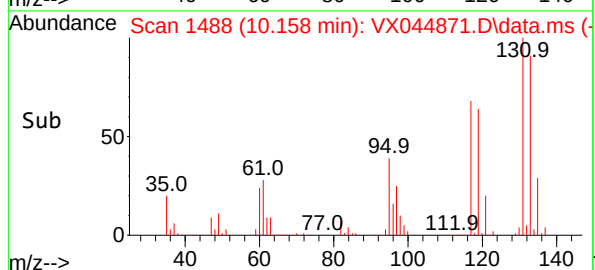
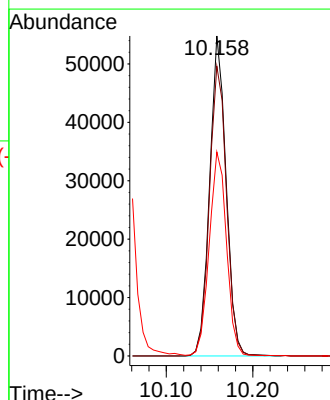
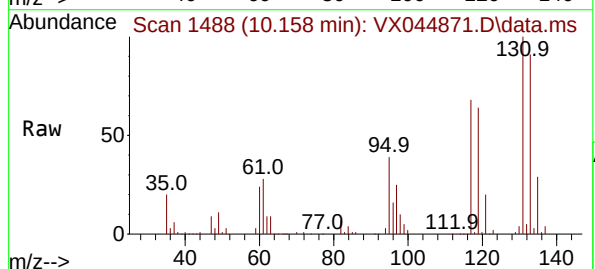
Manual Integrations
APPROVED

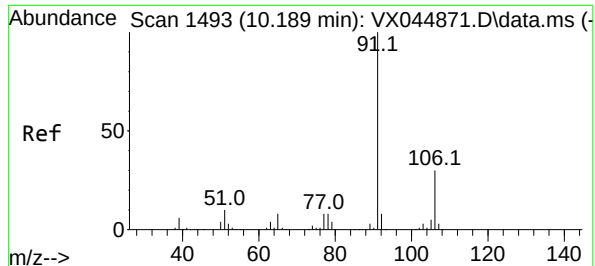
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

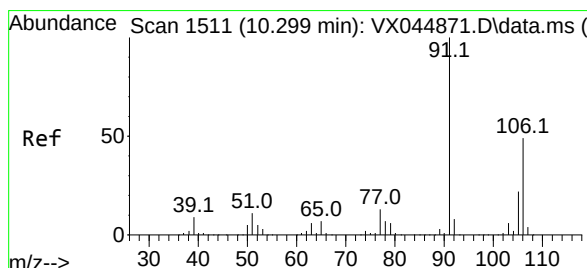
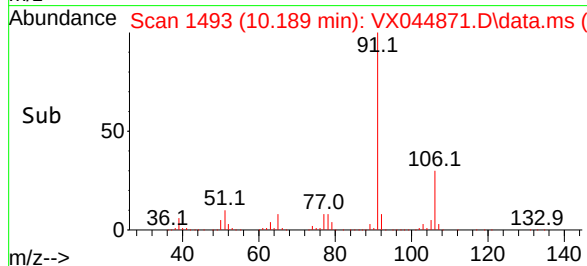
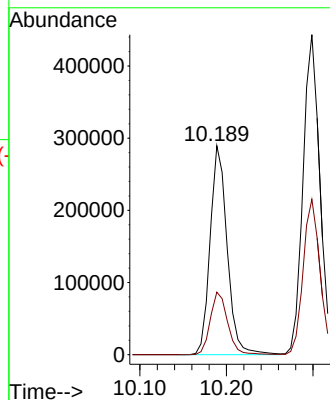
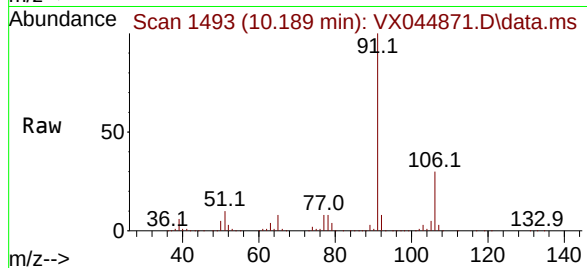
106 29.9 23.9 35.9

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

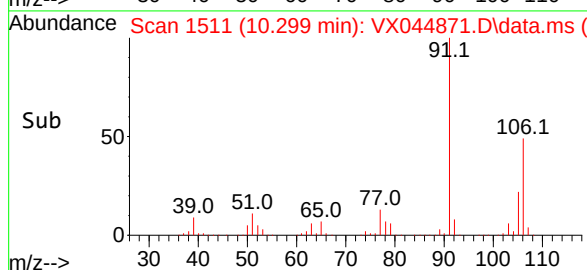
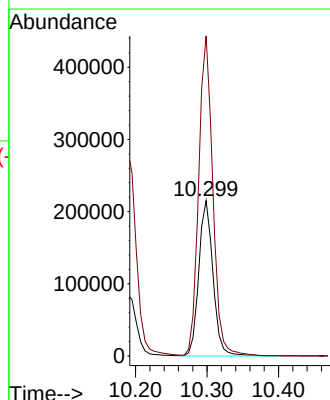
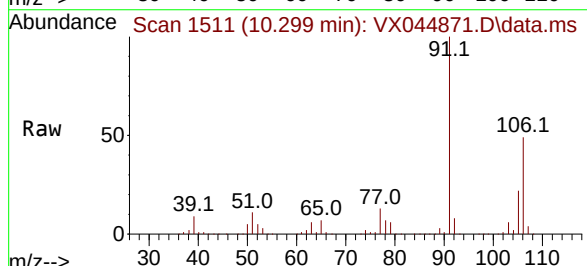
Acq: 10 Feb 2025 11:34

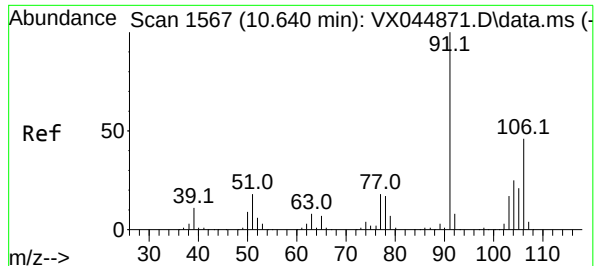
Tgt Ion:106 Resp: 296507

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

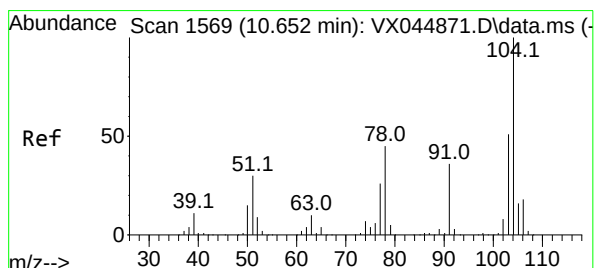
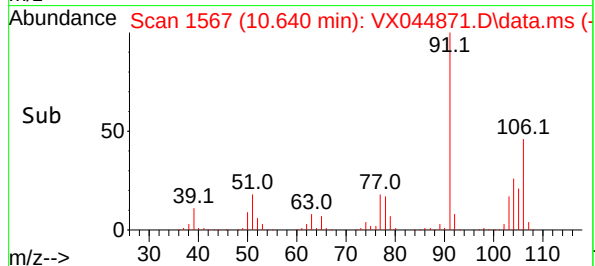
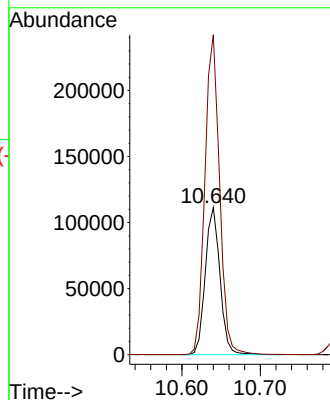
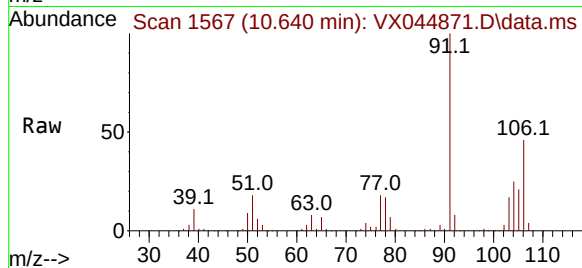
91 217.0 108.5 325.5

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

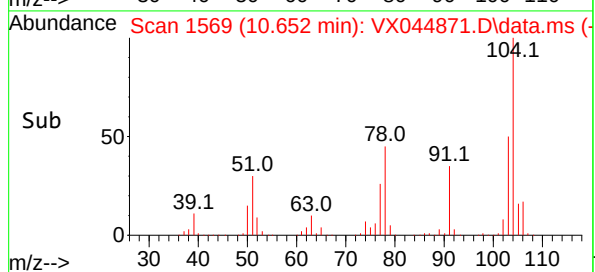
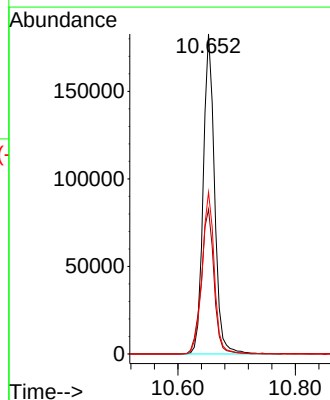
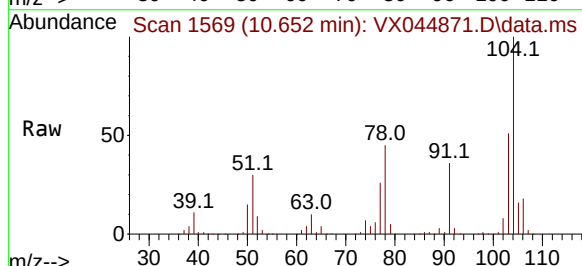
Tgt Ion:104 Resp: 245518

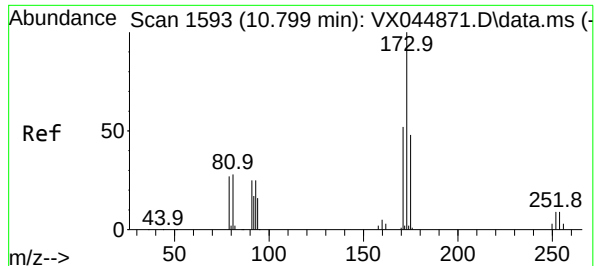
Ion Ratio Lower Upper

104 100

78 50.6 40.5 60.7

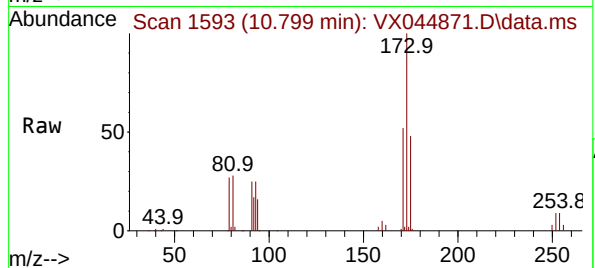
103 54.5 43.6 65.4





#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

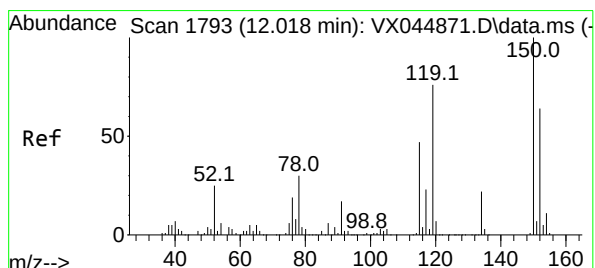
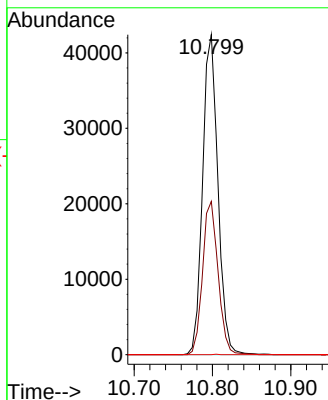
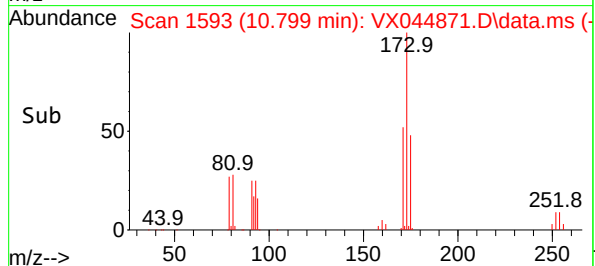
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

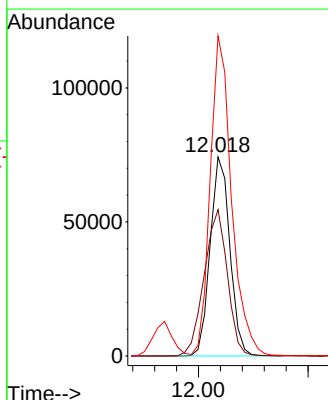
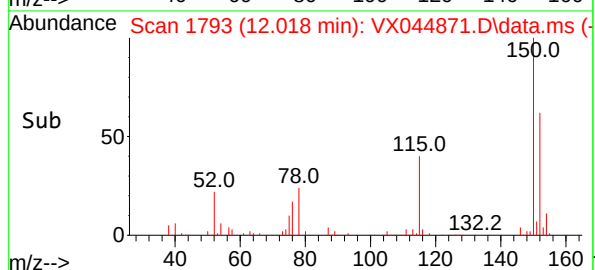
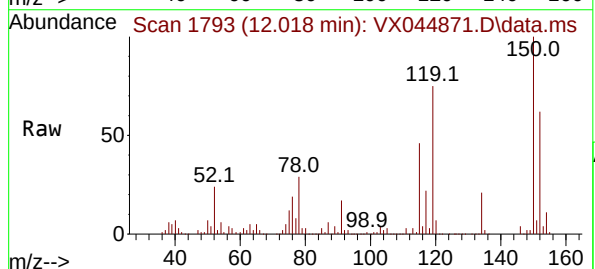
Manual Integrations
APPROVED

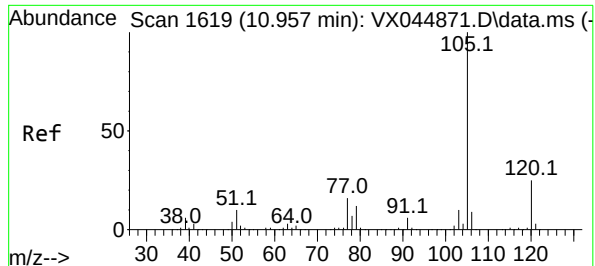
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





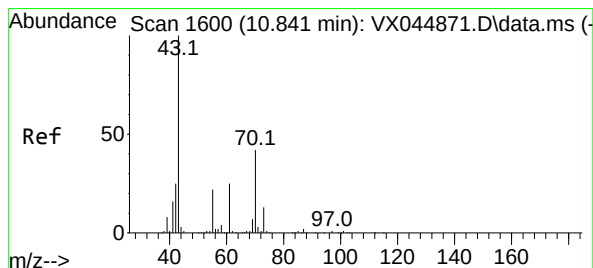
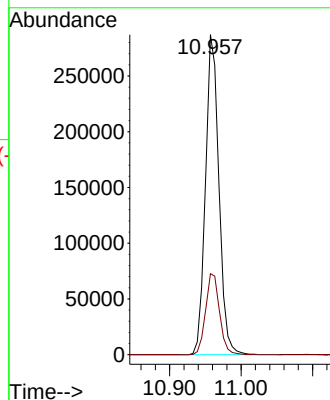
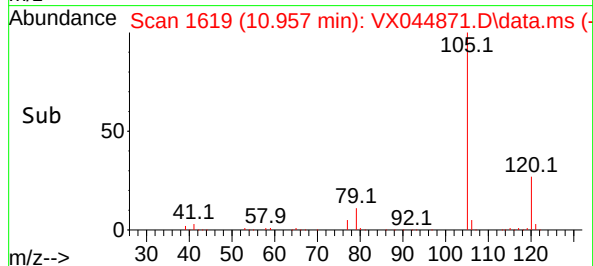
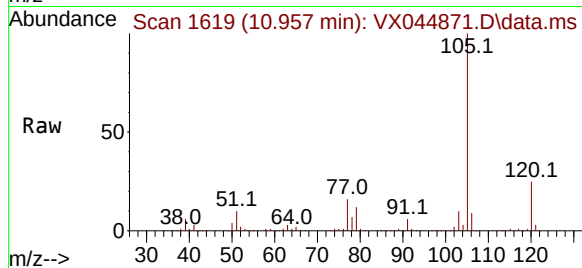
#73
Isopropylbenzene
Concen: 50.239 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

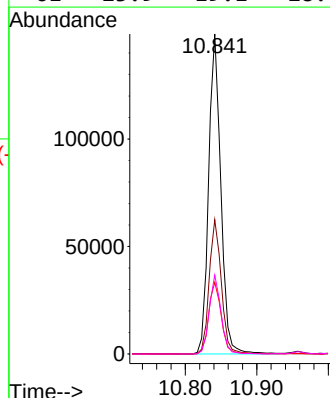
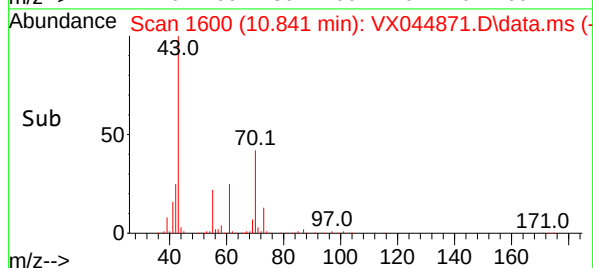
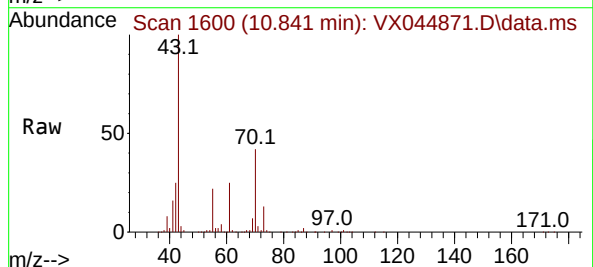
Manual Integrations
APPROVED

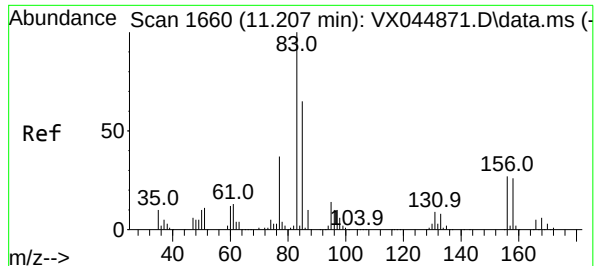
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





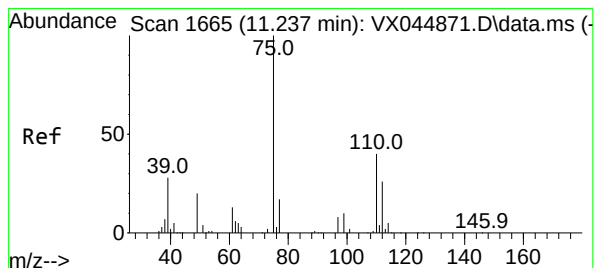
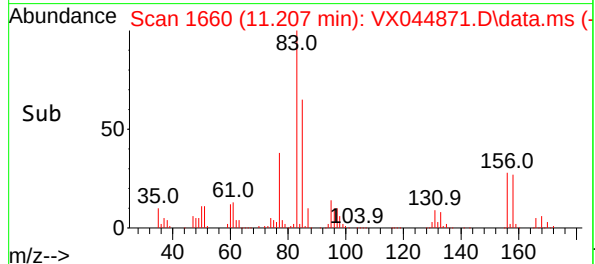
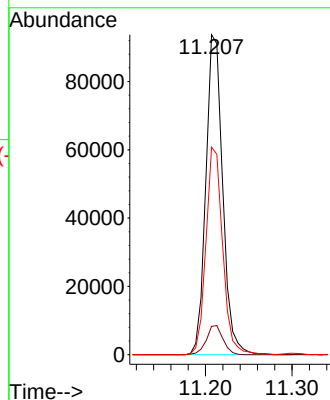
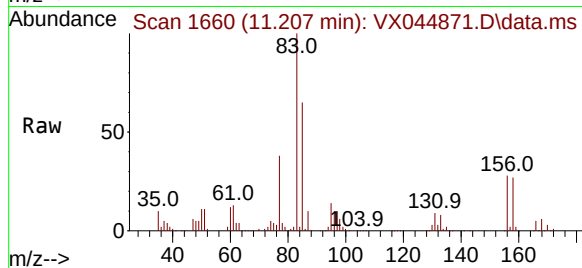
#75
1,1,2,2-Tetrachloroethane
Concen: 49.364 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

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

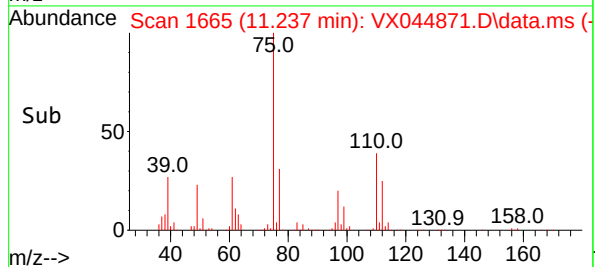
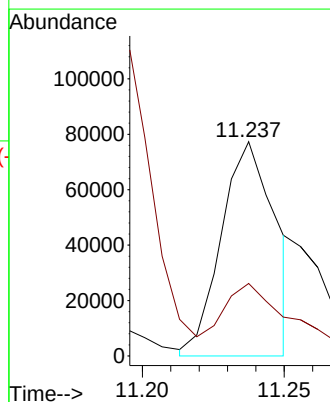
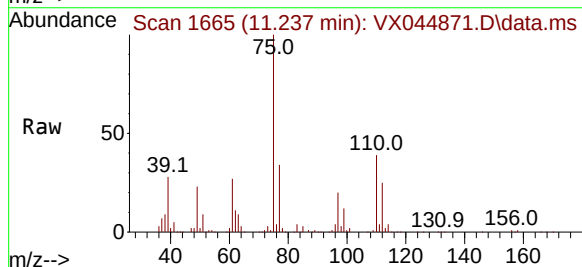
Manual Integrations
APPROVED

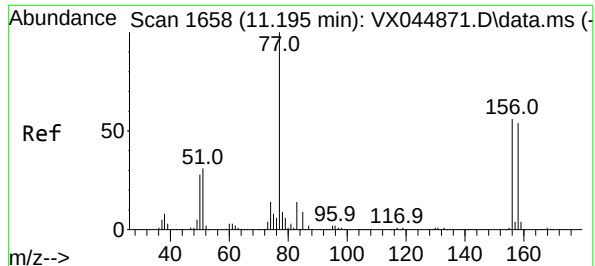
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

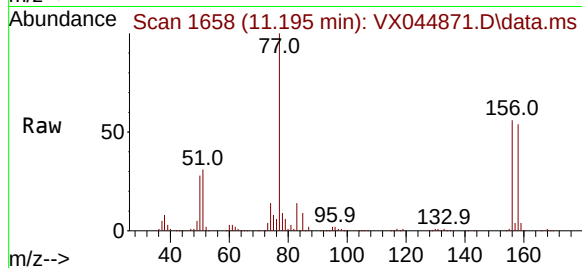
Tgt Ion: 75 Resp: 102508
Ion Ratio Lower Upper
75 100
77 43.8 21.9 65.7





#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

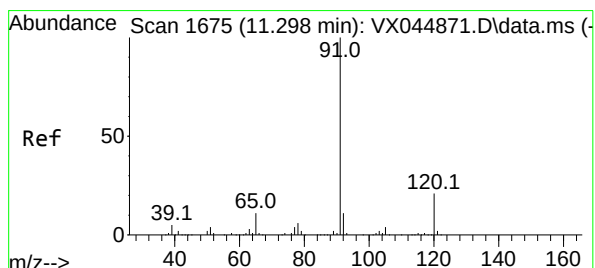
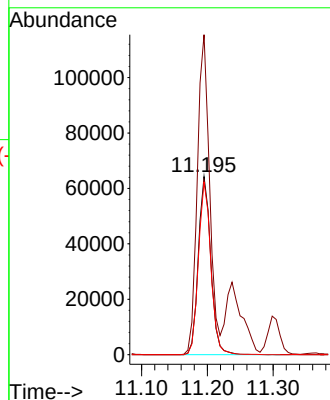
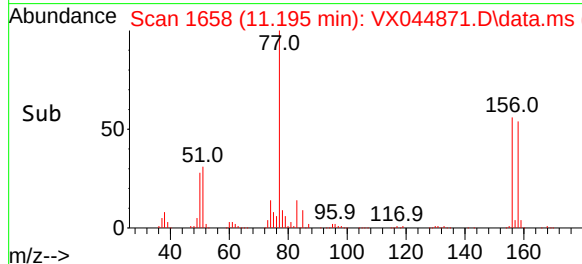
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

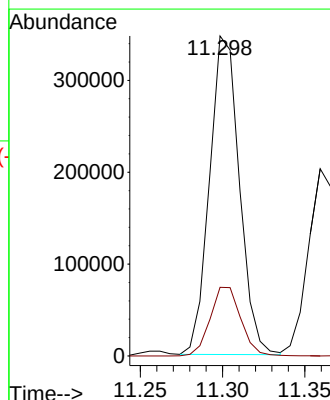
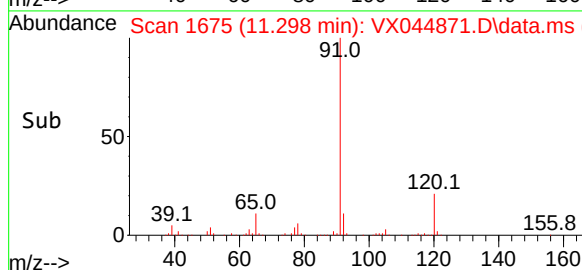
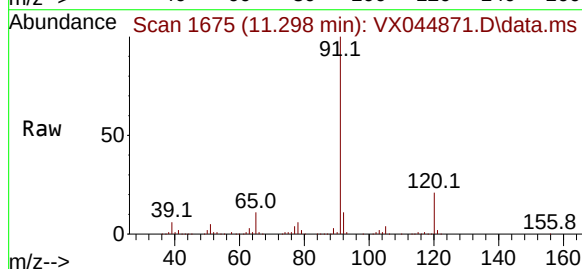
Manual Integrations
APPROVED

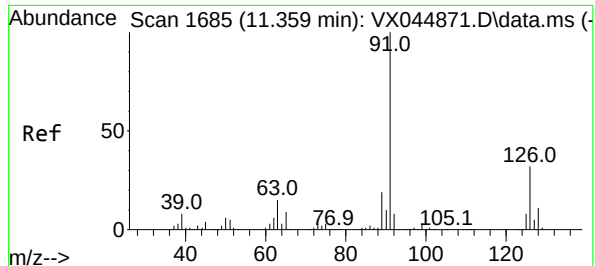
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





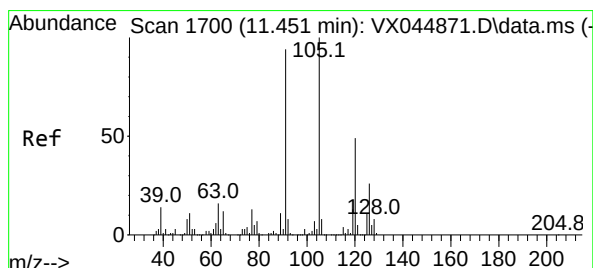
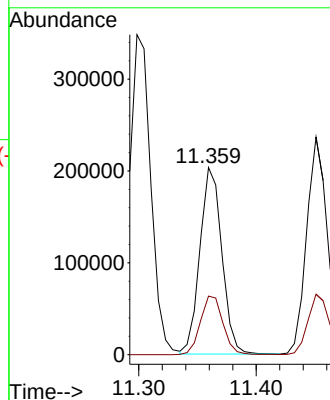
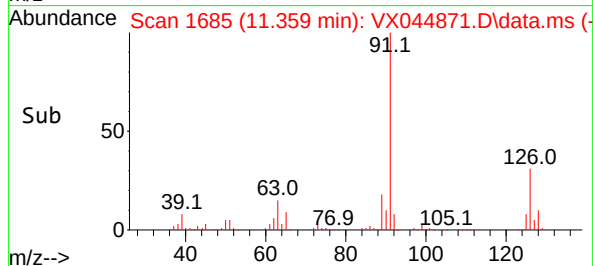
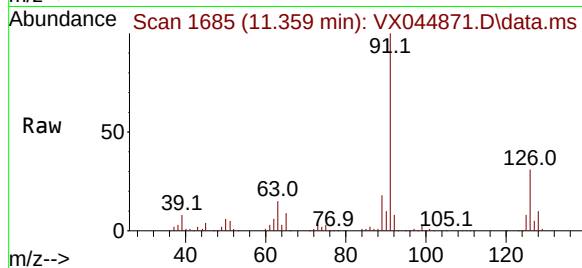
#79
2-Chlorotoluene
Concen: 49.749 ug/l
RT: 11.359 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

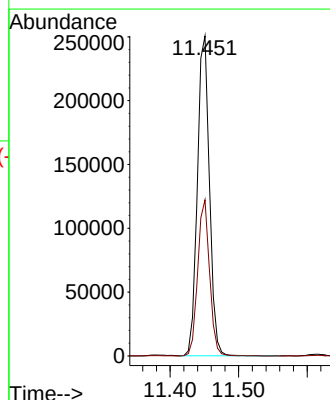
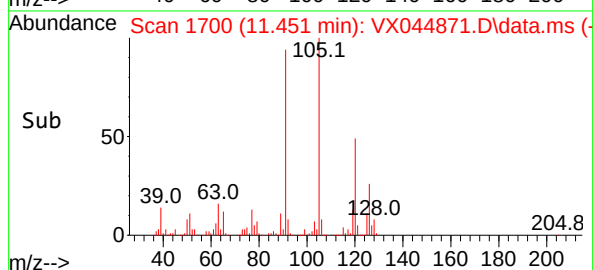
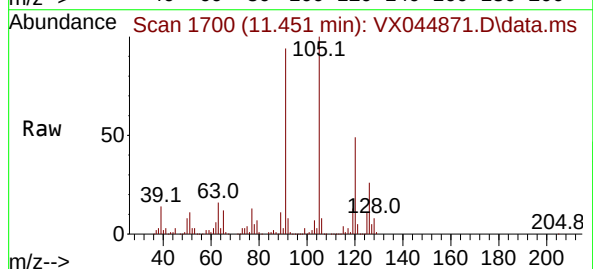
Manual Integrations
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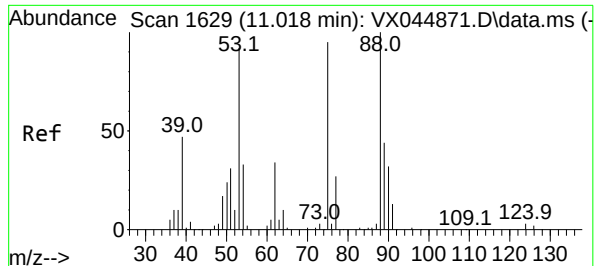
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





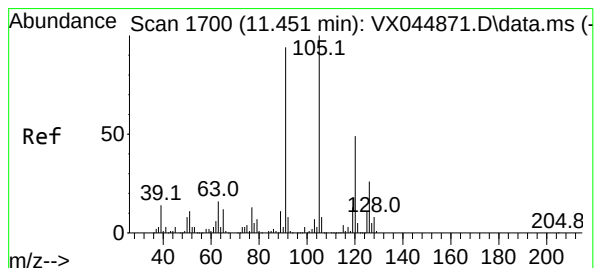
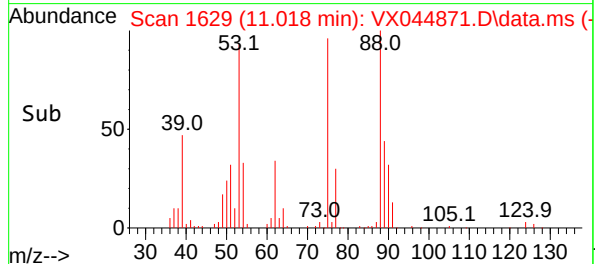
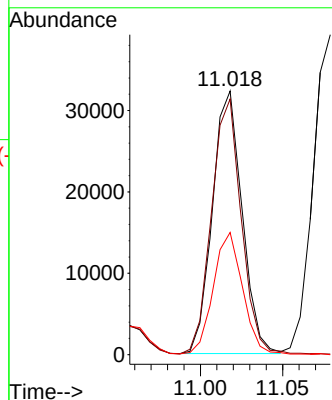
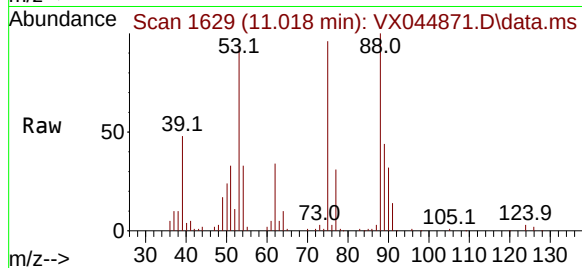
#81
trans-1,4-Dichloro-2-butene
Concen: 50.701 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

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

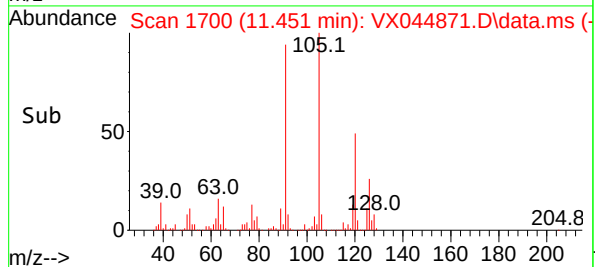
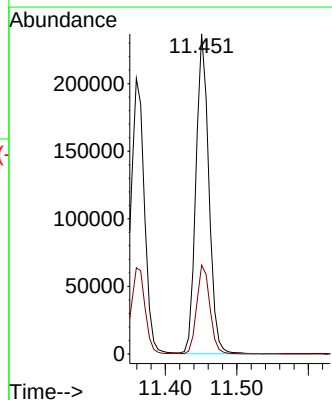
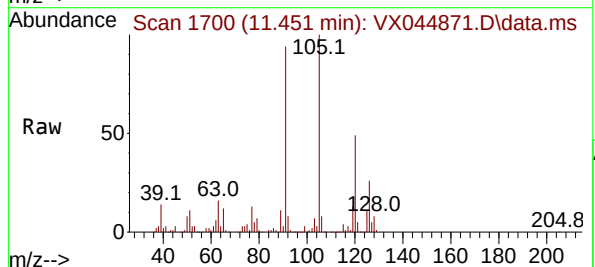
Manual Integrations
APPROVED

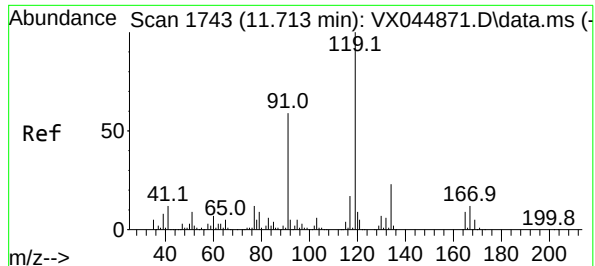
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

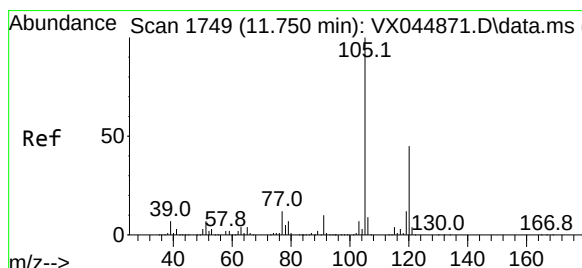
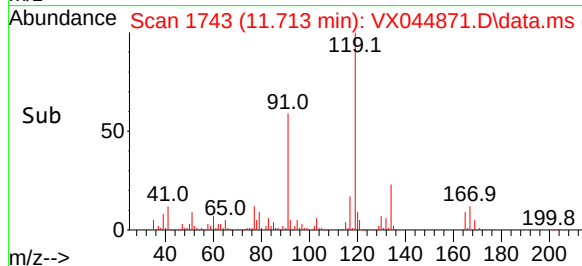
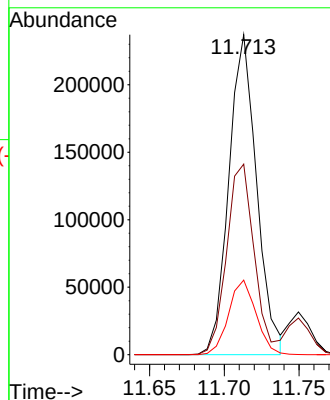
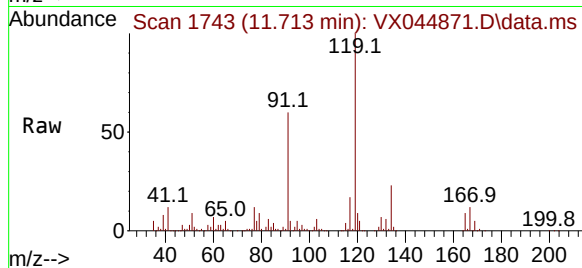
134 23.0 11.5 34.5

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

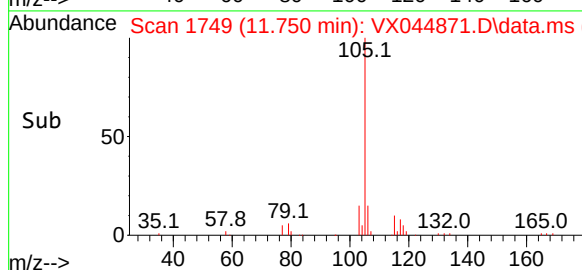
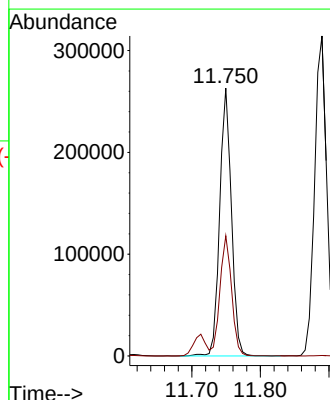
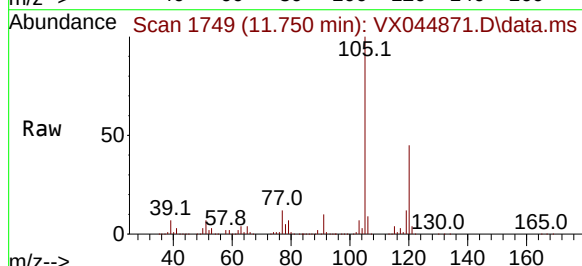
Acq: 10 Feb 2025 11:34

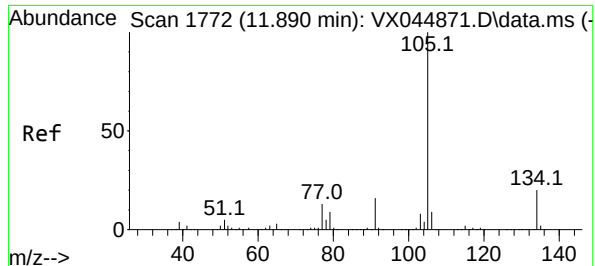
Tgt Ion:105 Resp: 311205

Ion Ratio Lower Upper

105 100

120 44.7 22.4 67.0





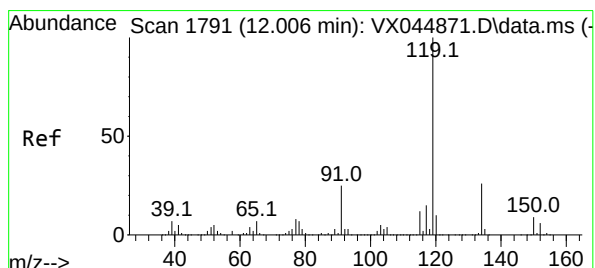
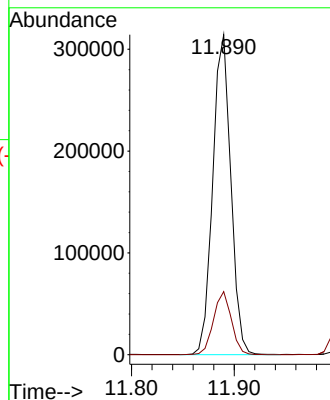
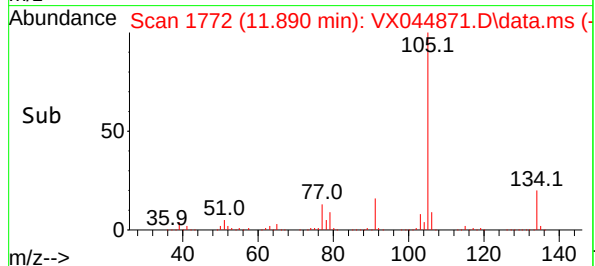
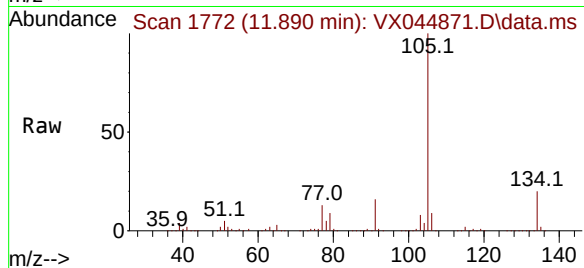
#85
sec-Butylbenzene
Concen: 50.657 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

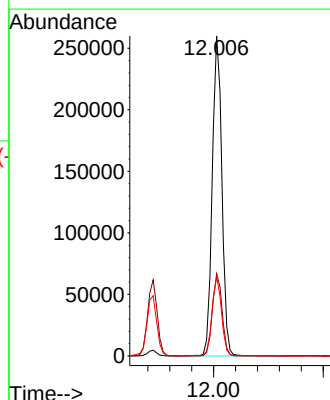
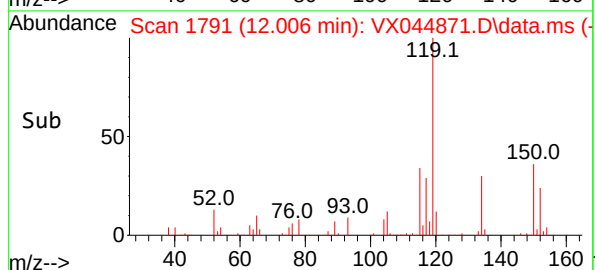
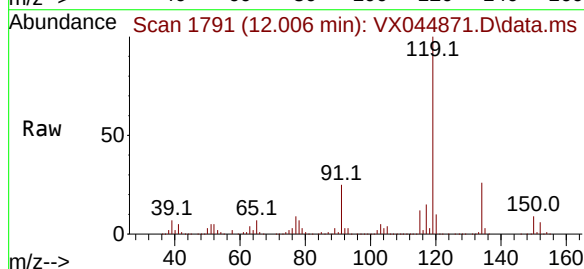
Manual Integrations
APPROVED

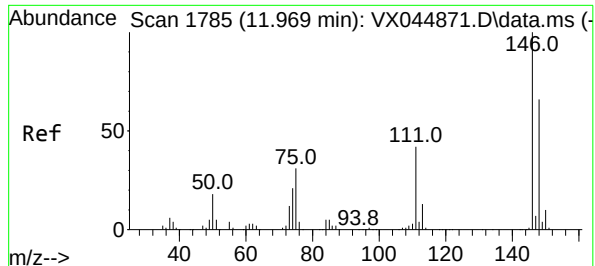
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

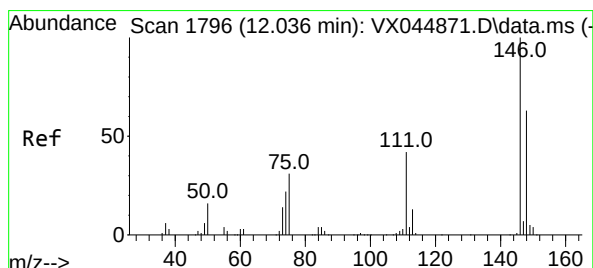
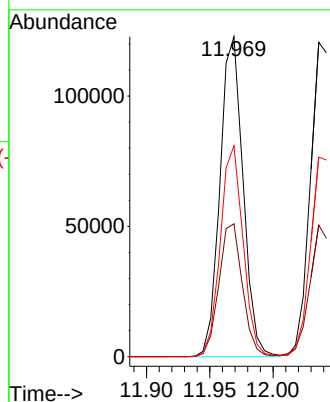
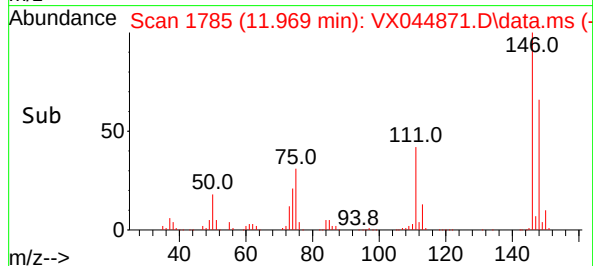
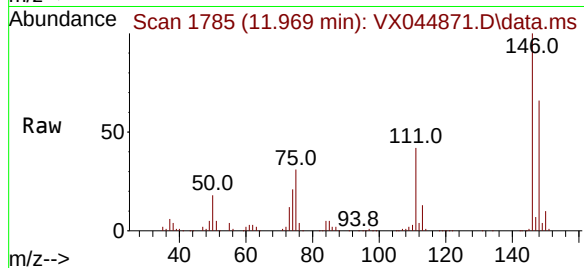
148 65.0 32.5 97.5

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

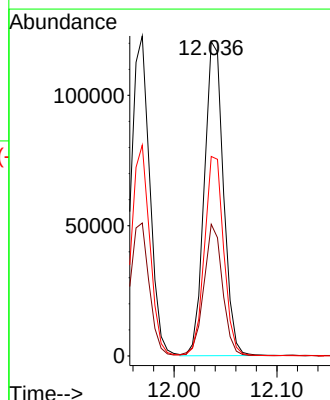
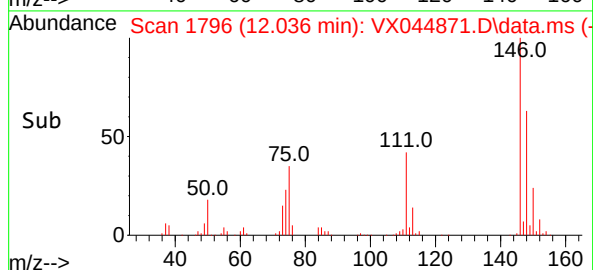
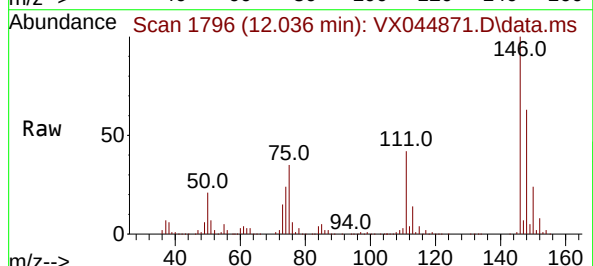
Tgt Ion:146 Resp: 156162

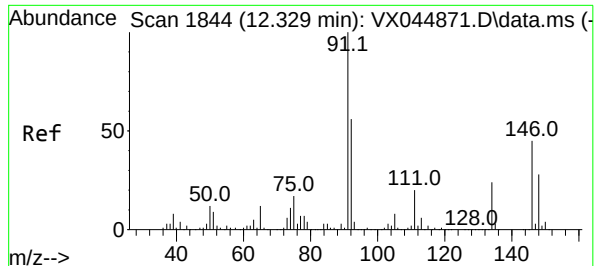
Ion Ratio Lower Upper

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

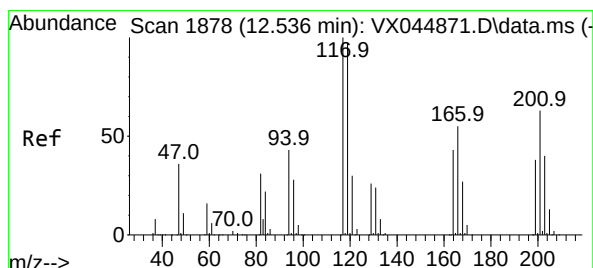
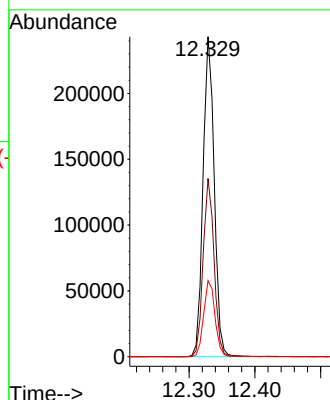
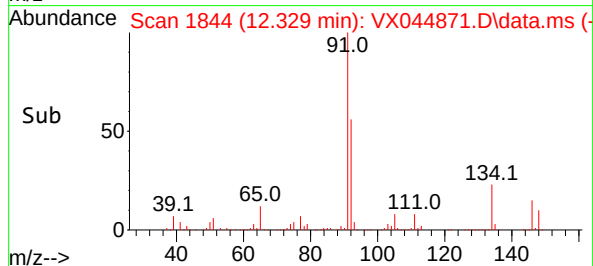
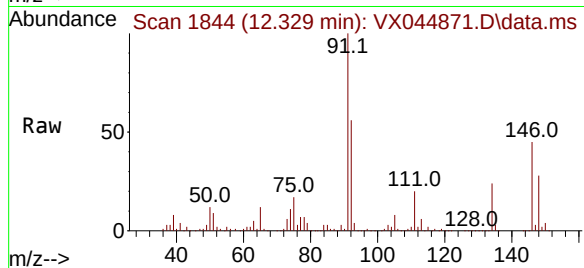
134 24.2 12.1 36.3

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

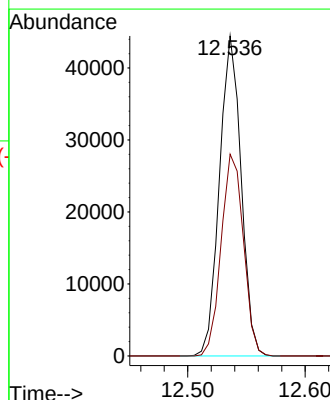
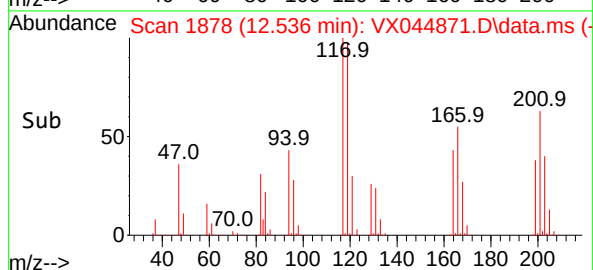
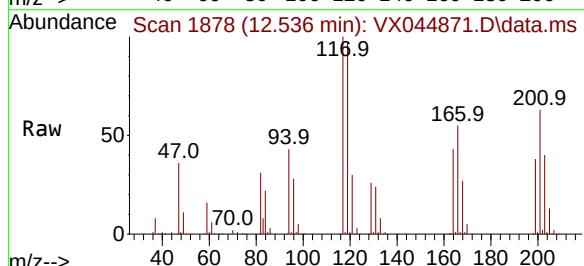
Acq: 10 Feb 2025 11:34

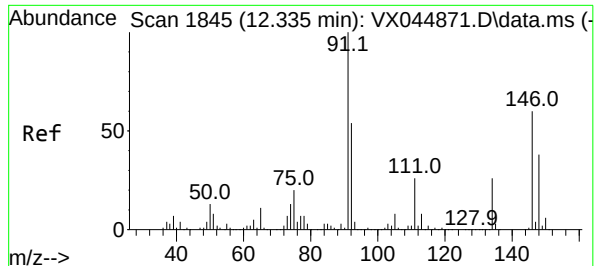
Tgt Ion:117 Resp: 56951

Ion Ratio Lower Upper

117 100

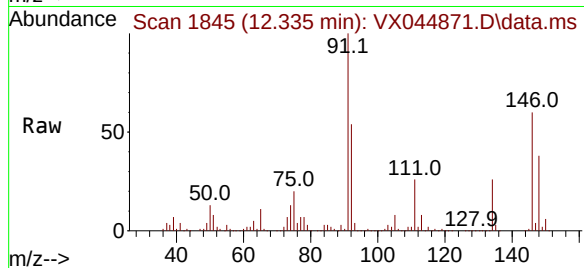
201 65.0 32.5 97.5





#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

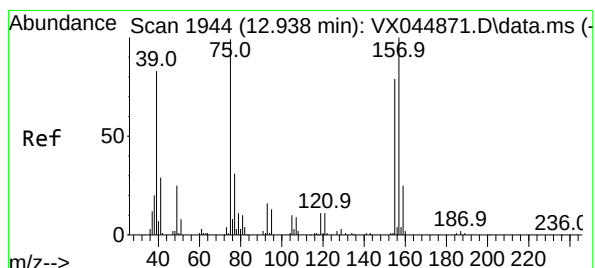
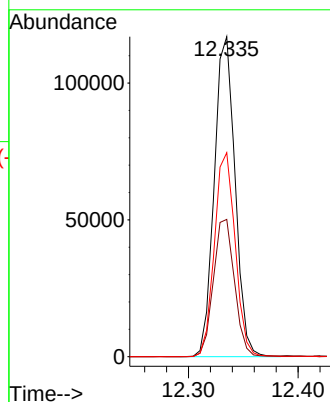
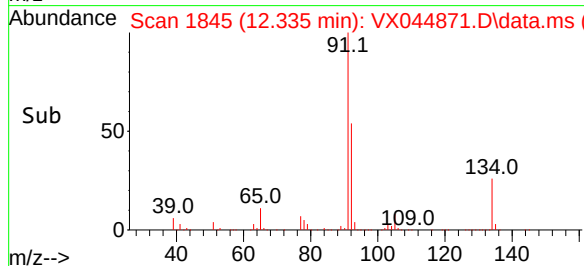
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

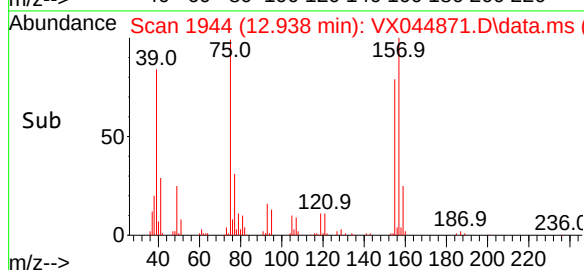
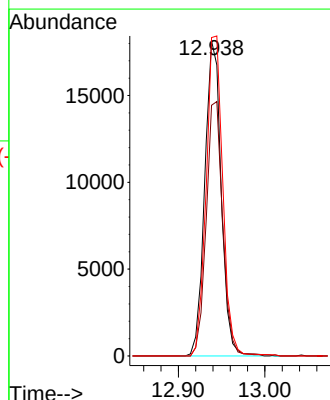
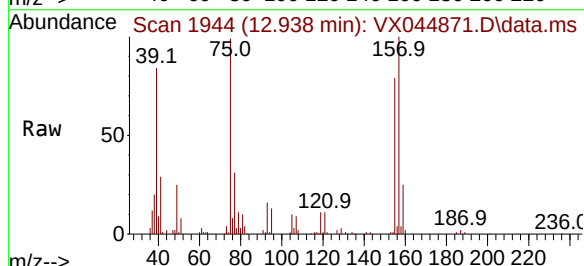
Manual Integrations
APPROVED

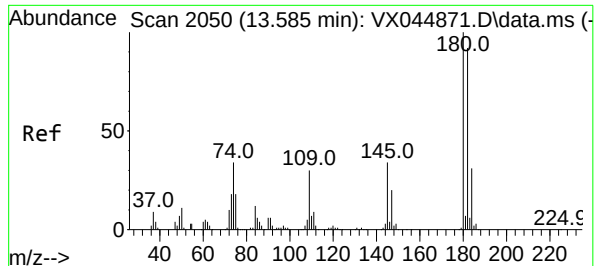
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

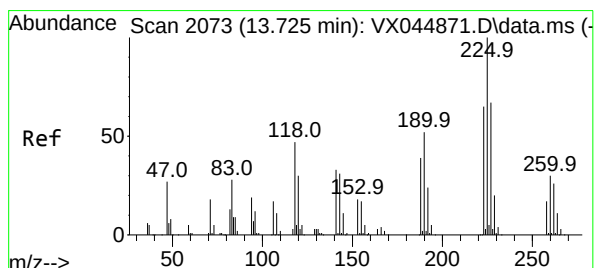
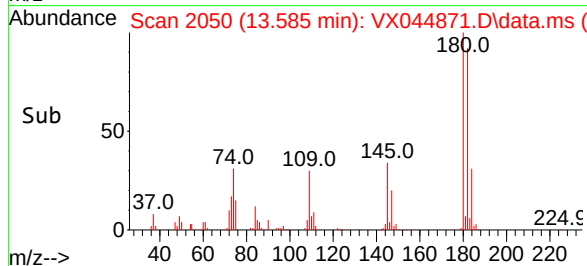
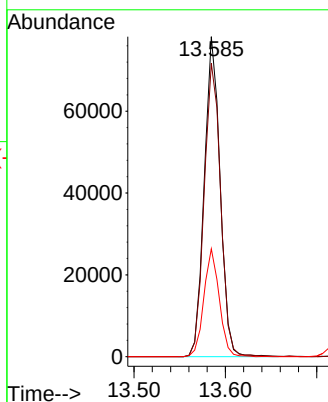
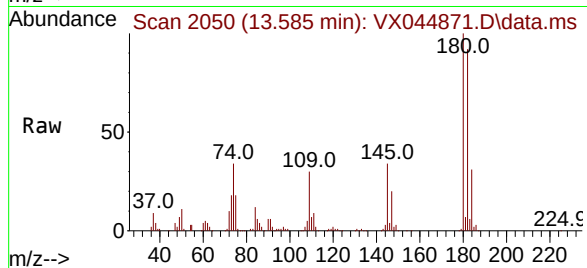
145 32.7 16.4 49.1

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

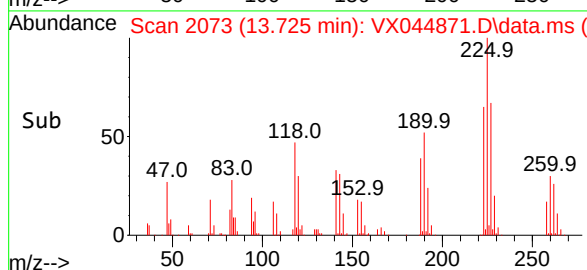
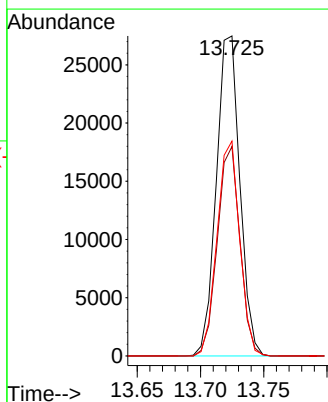
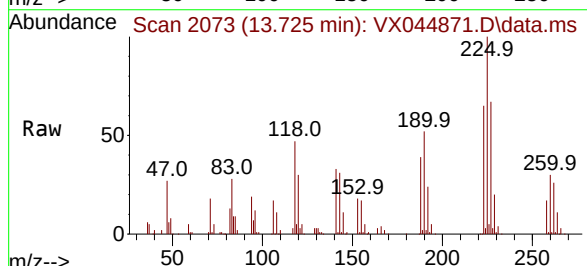
Tgt Ion:225 Resp: 35481

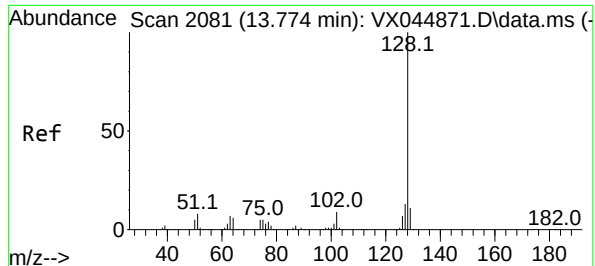
Ion Ratio Lower Upper

225 100

223 62.8 31.4 94.2

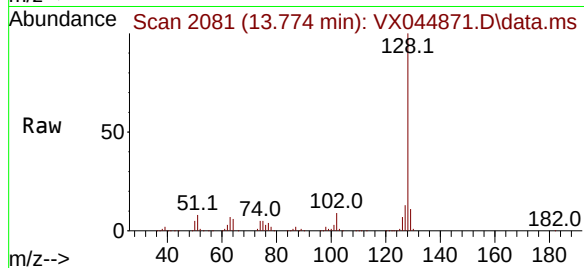
227 64.5 32.3 96.8





#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

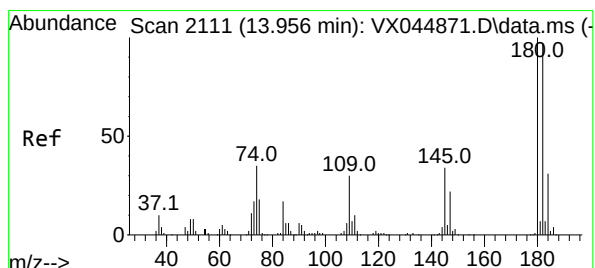
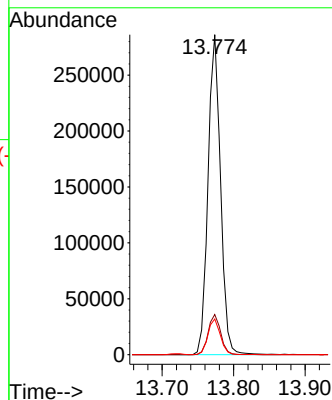
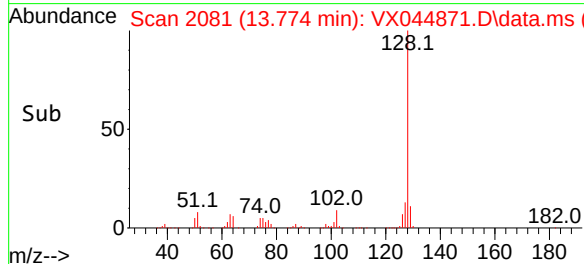
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:128 Resp: 347649
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 11.1 8.9 13.3

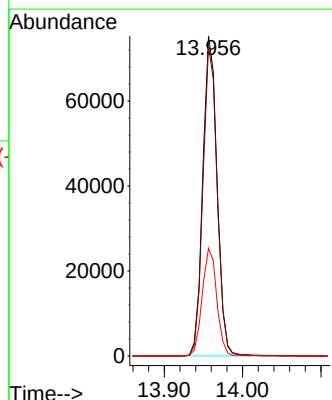
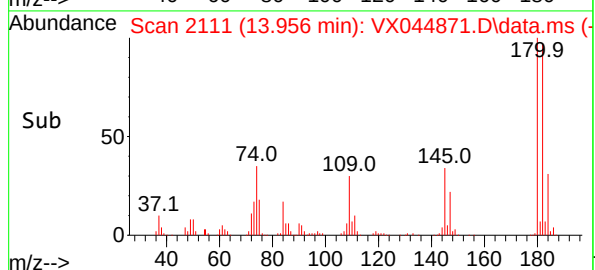
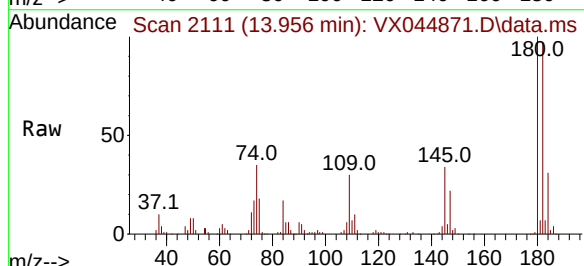
Manual Integrations
APPROVED

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

Manual Integrations
 APPROVED

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

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

Manual Integrations
 APPROVED

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

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	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

Manual Integrations
APPROVED

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

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)

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

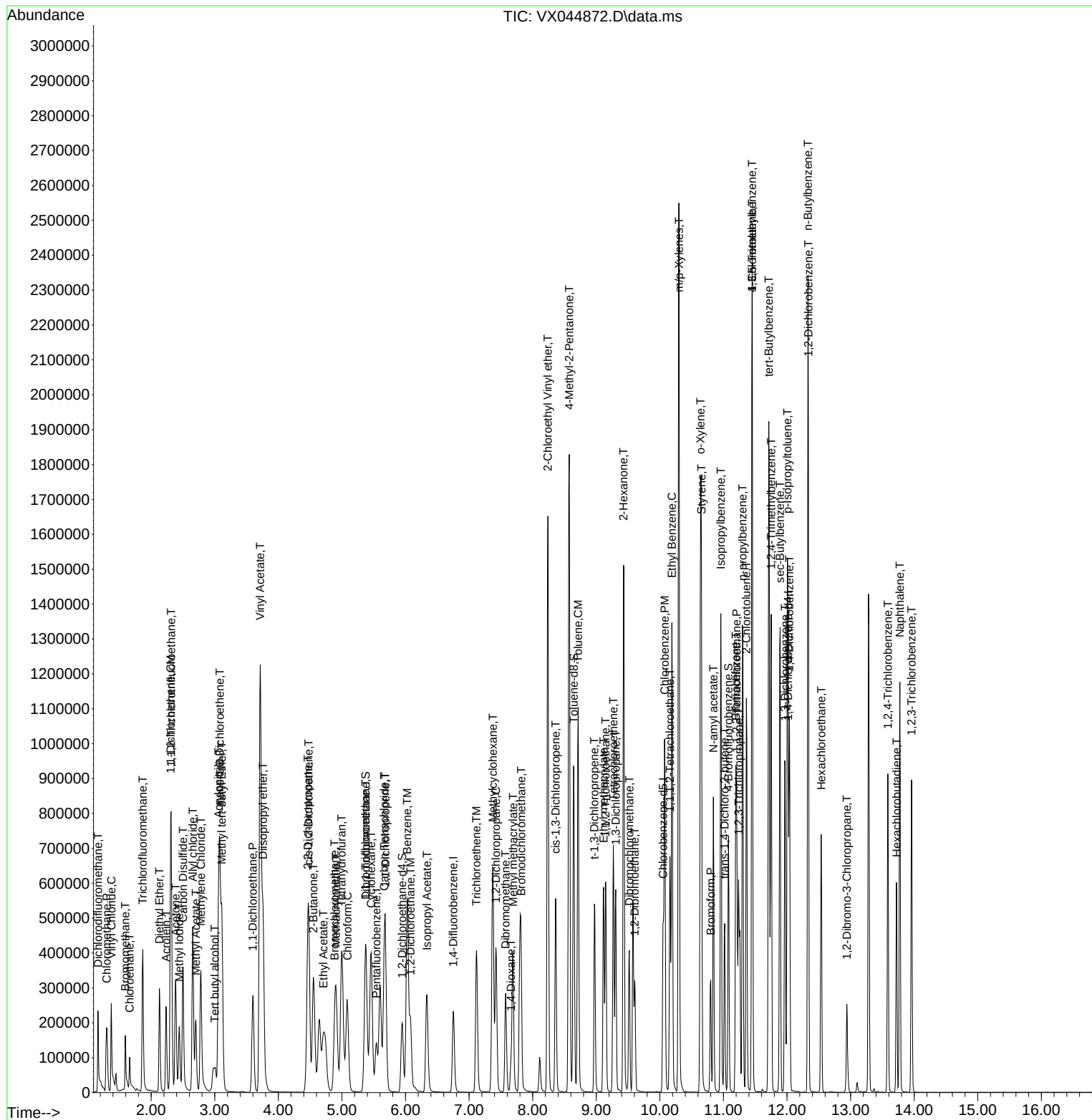
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

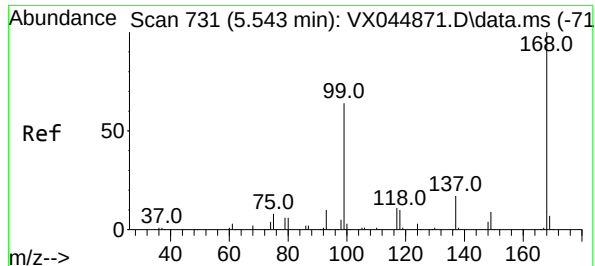
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

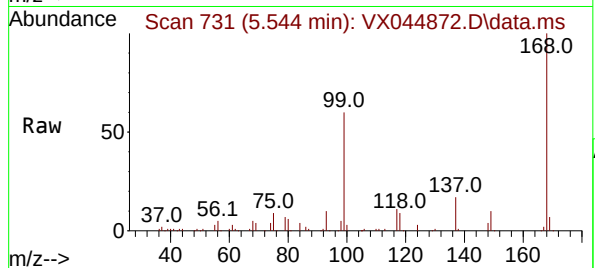
Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration





#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

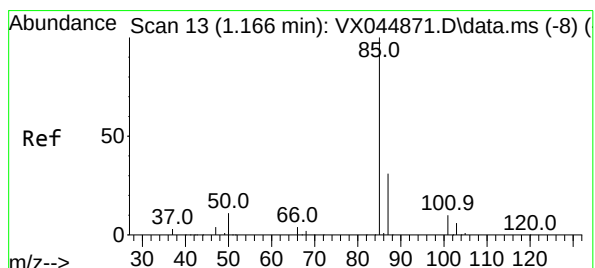
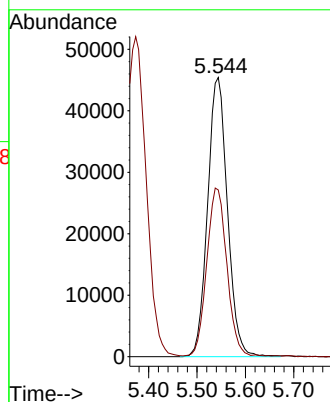
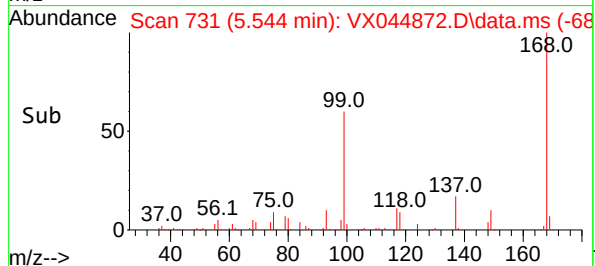
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

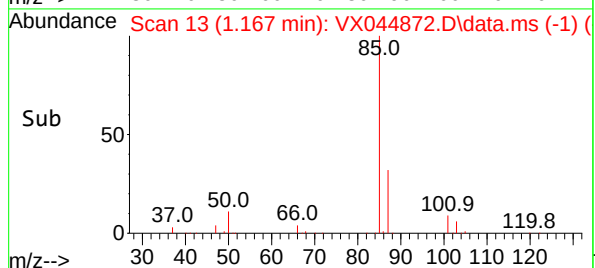
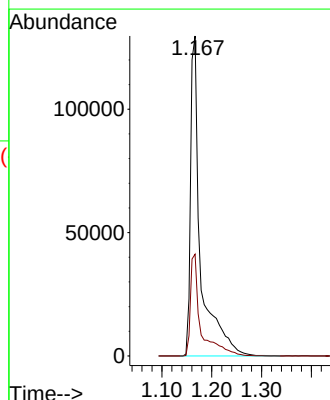
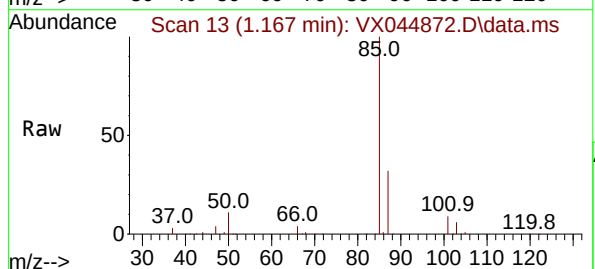
Manual Integrations
APPROVED

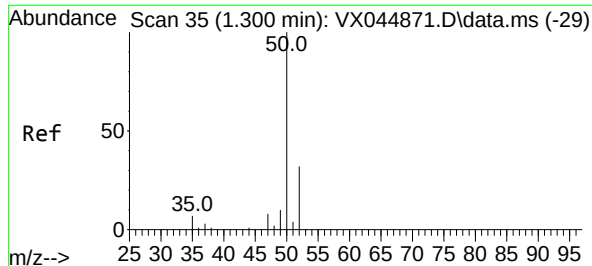
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





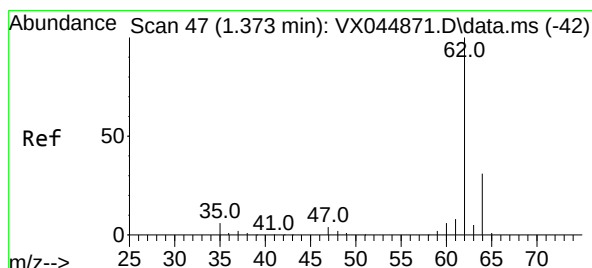
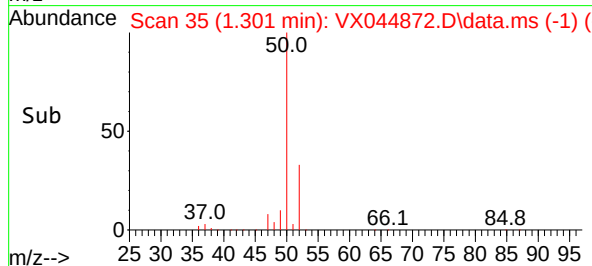
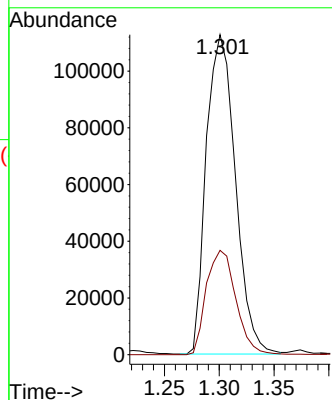
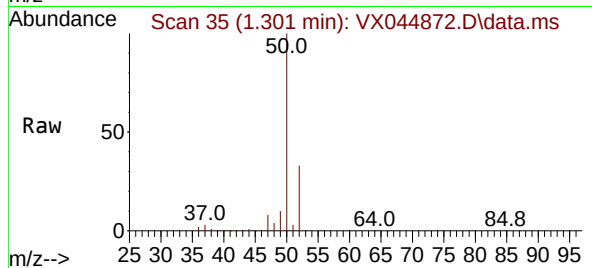
#3
Chloromethane
Concen: 94.275 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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

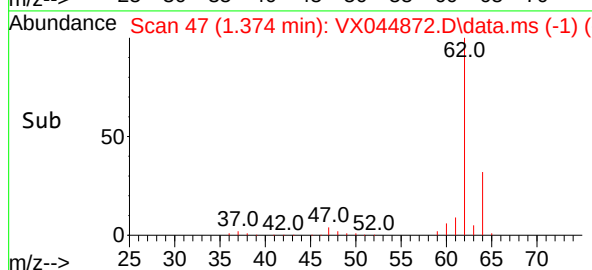
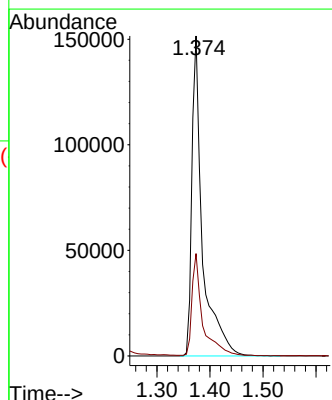
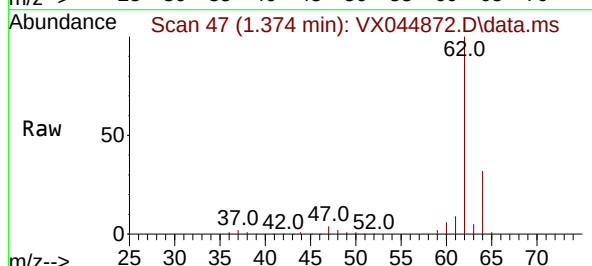
Manual Integrations
APPROVED

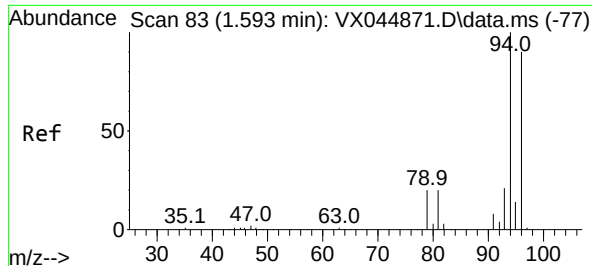
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





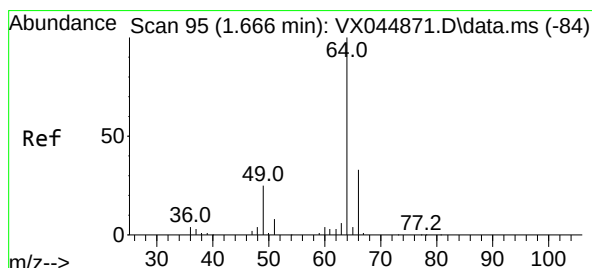
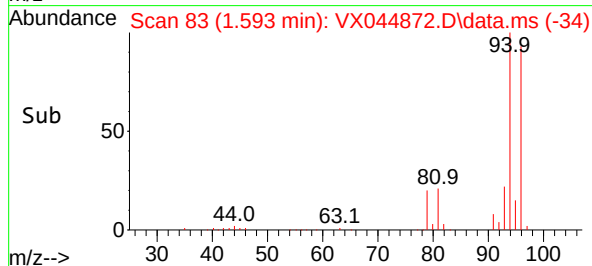
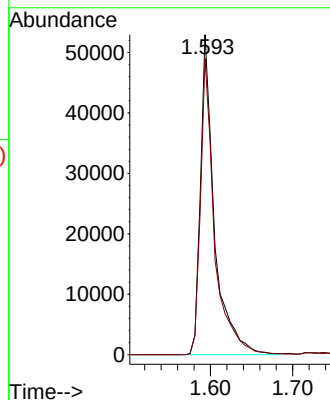
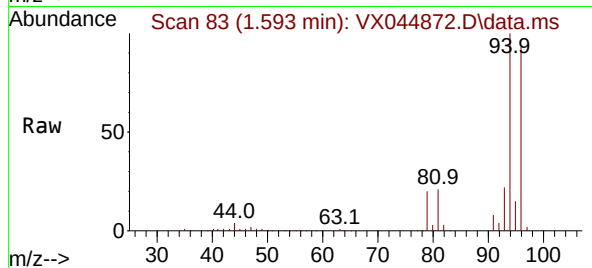
#5
Bromomethane
Concen: 97.984 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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

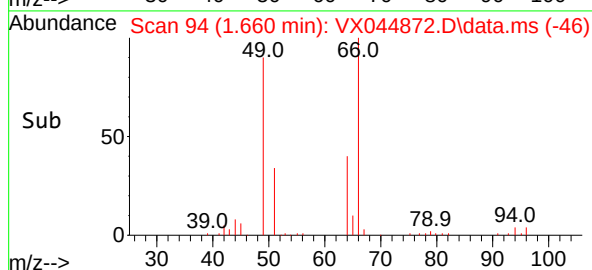
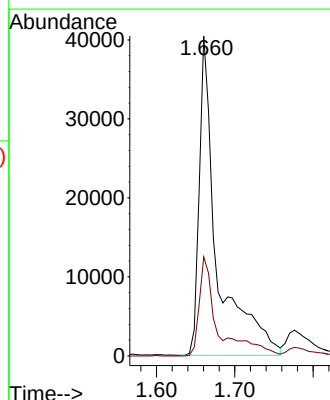
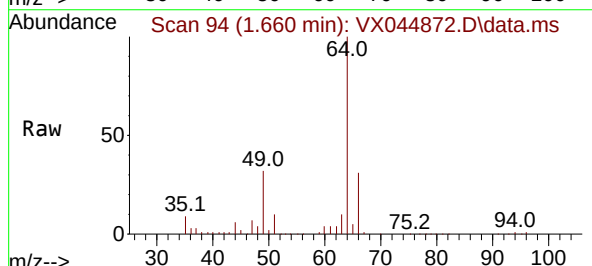
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APPROVED

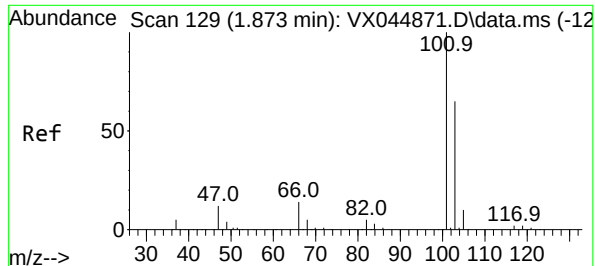
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

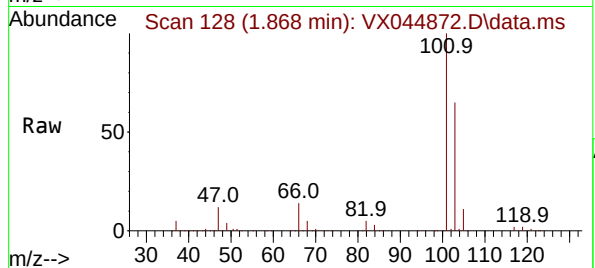
Tgt Ion: 64 Resp: 64581
Ion Ratio Lower Upper
64 100
66 31.0 25.9 38.9





#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

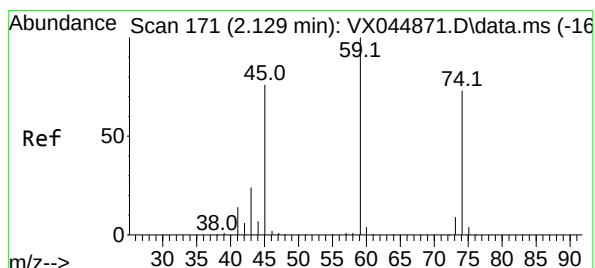
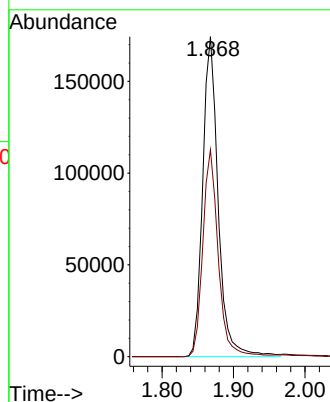
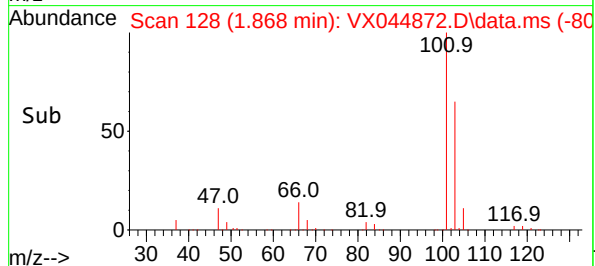
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

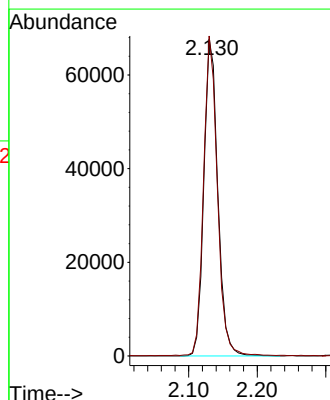
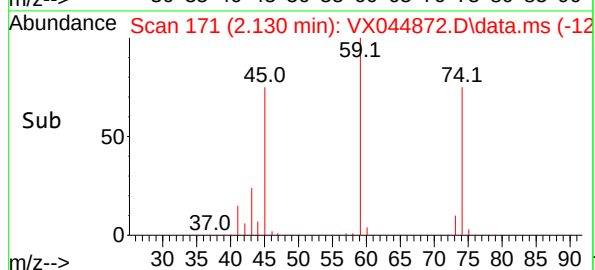
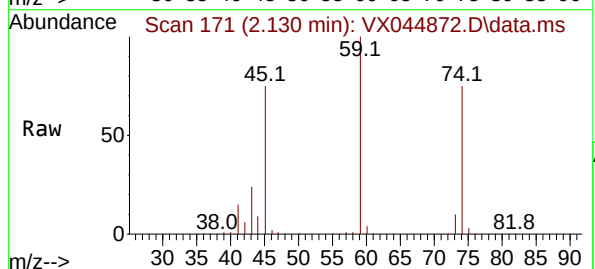
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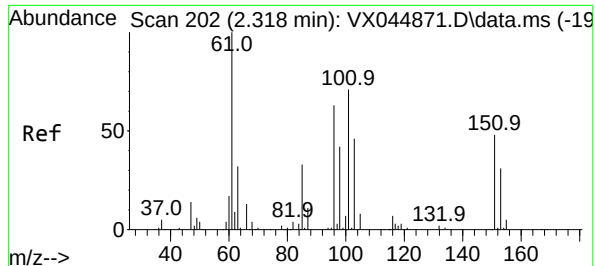
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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# 20

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:101 Resp: 163414

Ion Ratio Lower Upper

101 100

85 44.3 35.7 53.5

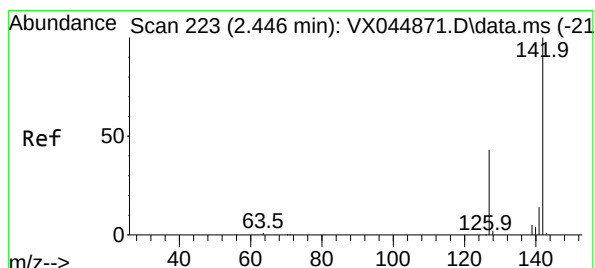
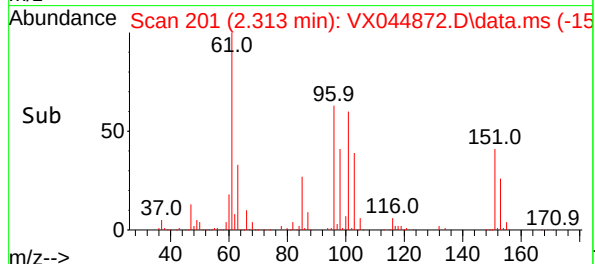
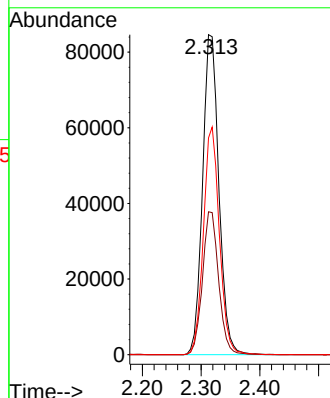
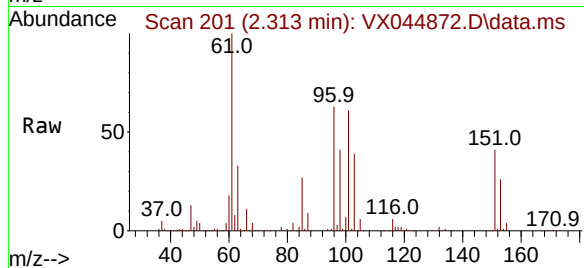
151 69.8 56.0 84.0

Manual Integrations

APPROVED

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

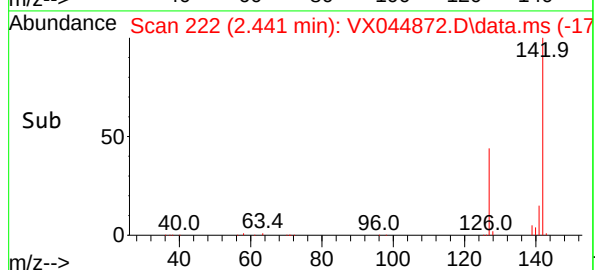
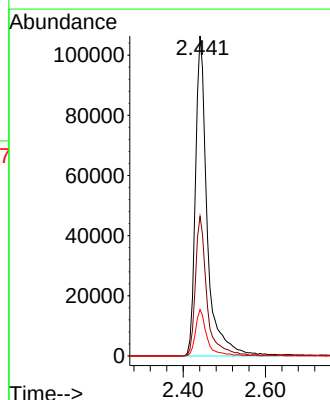
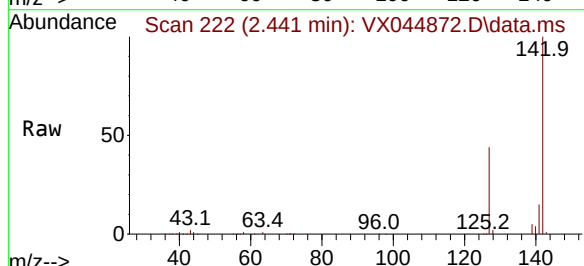
Tgt Ion:142 Resp: 212118

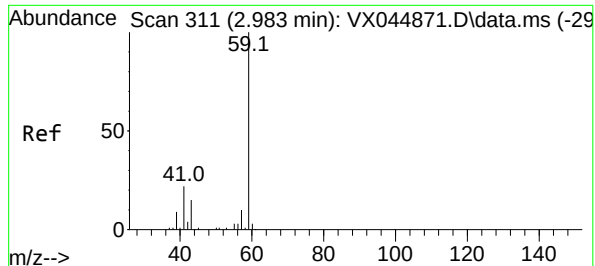
Ion Ratio Lower Upper

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

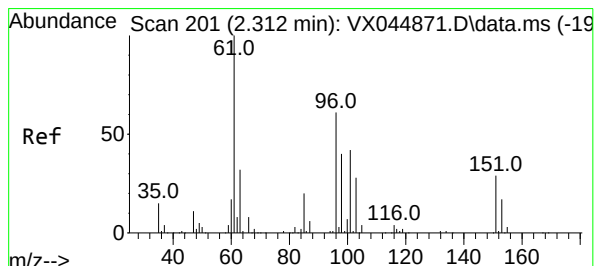
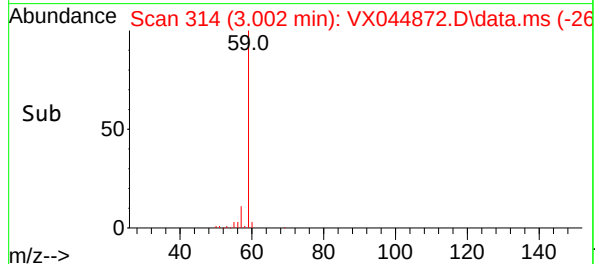
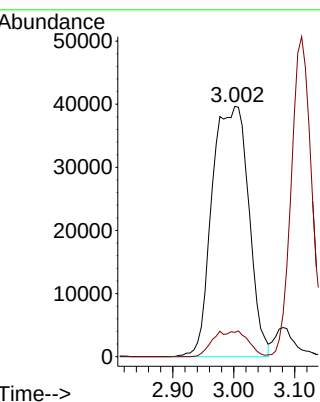
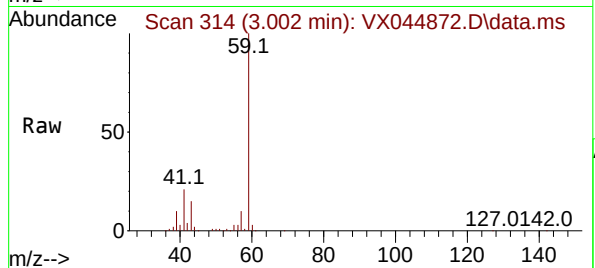
57 0.0 8.1 12.1

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

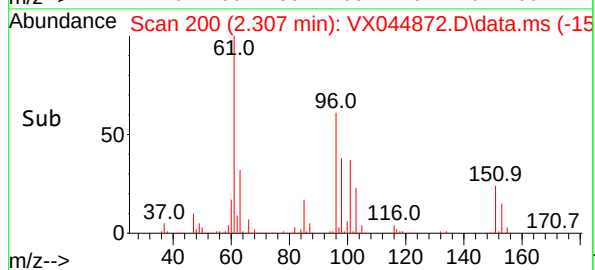
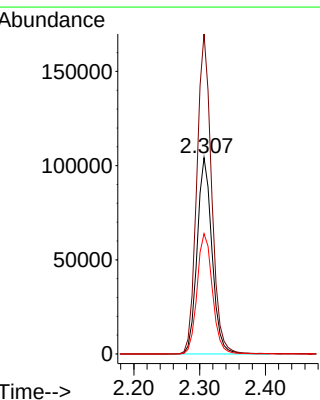
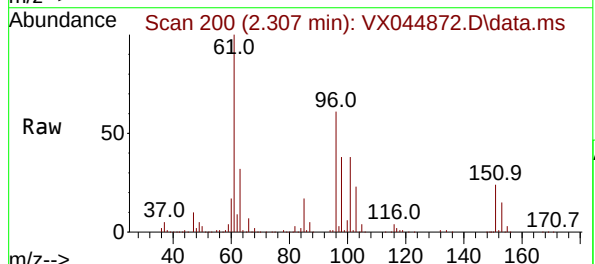
Tgt Ion: 96 Resp: 163593

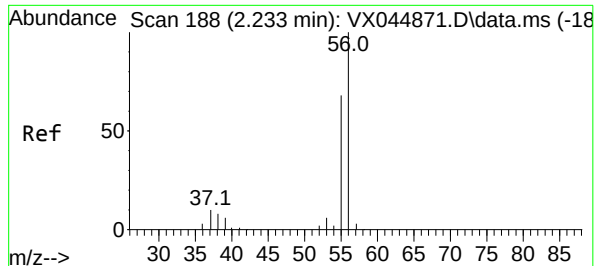
Ion Ratio Lower Upper

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 :

VSTDICC100

Tgt Ion: 56 Resp: 180570

Ion Ratio Lower Upper

56 100

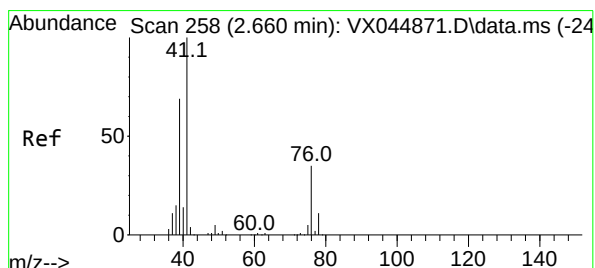
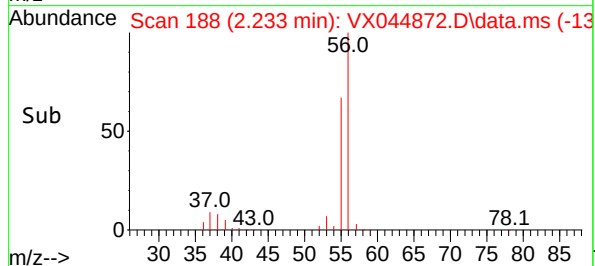
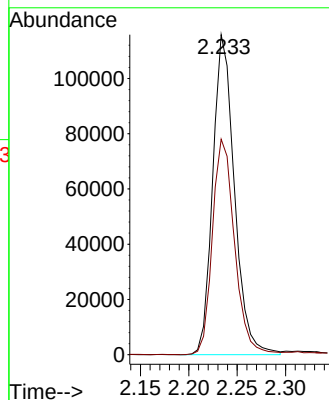
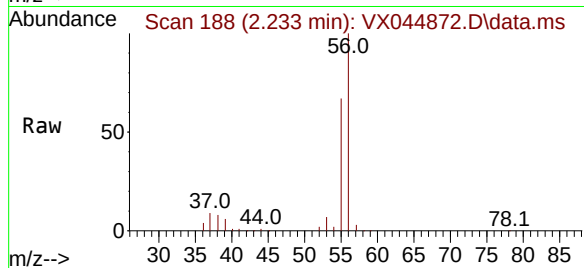
55 68.9 55.7 83.5

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

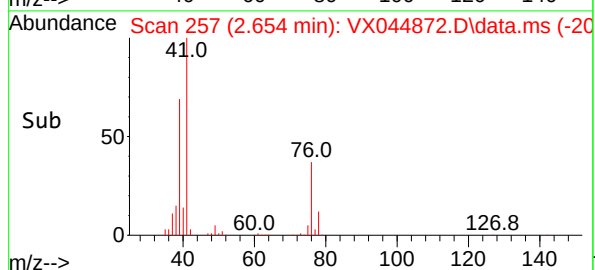
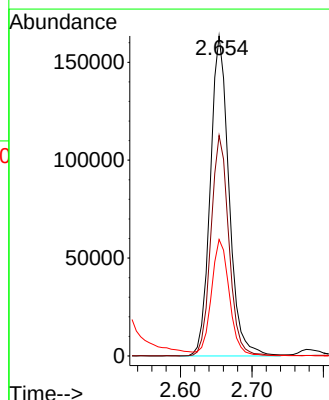
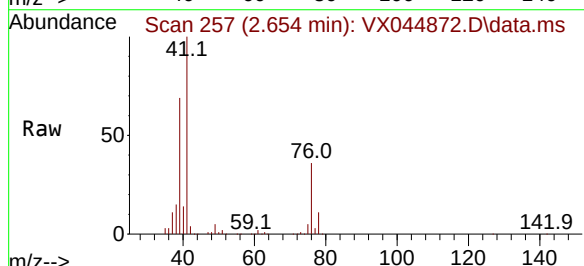
Tgt Ion: 41 Resp: 297526

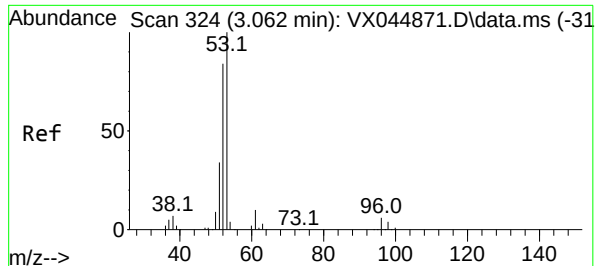
Ion Ratio Lower Upper

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

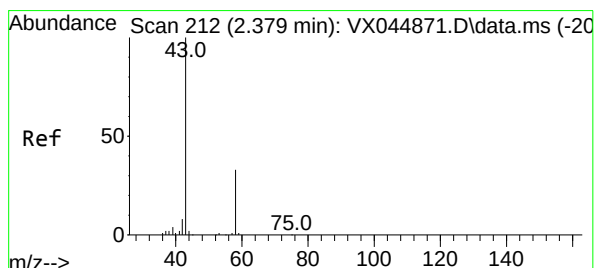
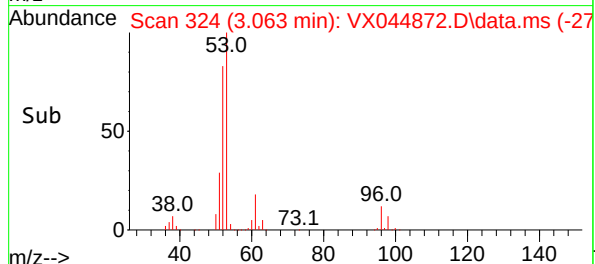
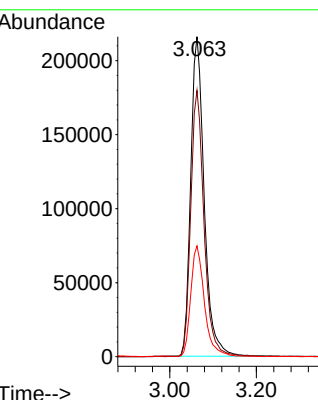
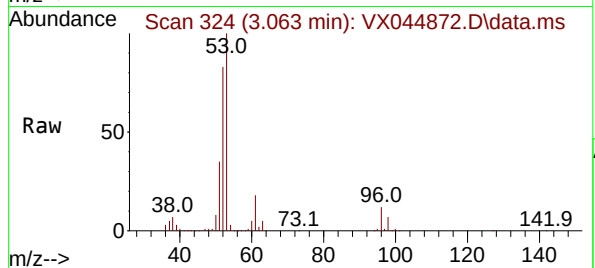
51 34.9 28.0 42.0

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

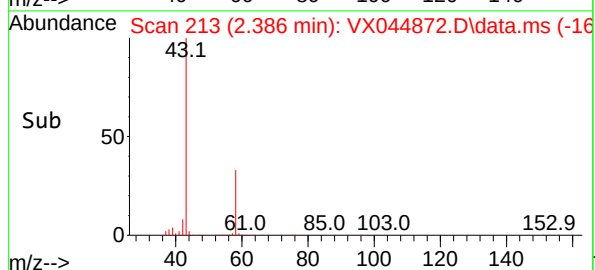
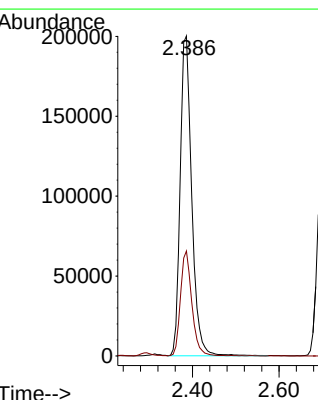
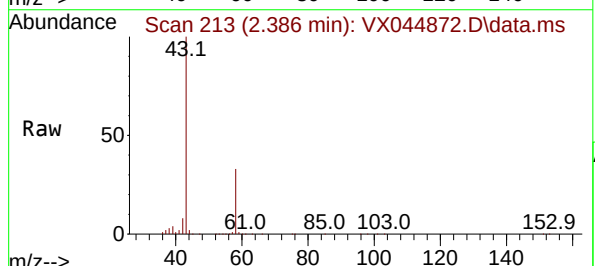
Acq: 10 Feb 2025 12:05

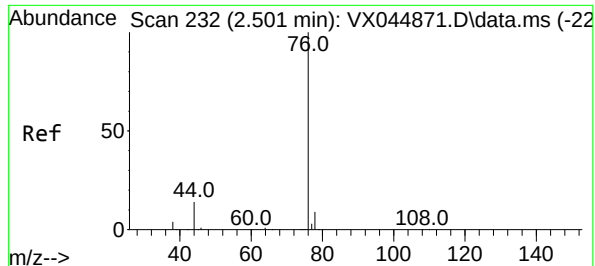
Tgt Ion: 43 Resp: 369720

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

Tgt Ion: 76 Resp: 463308

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

Instrument :

MSVOA_X

ClientSampleId :

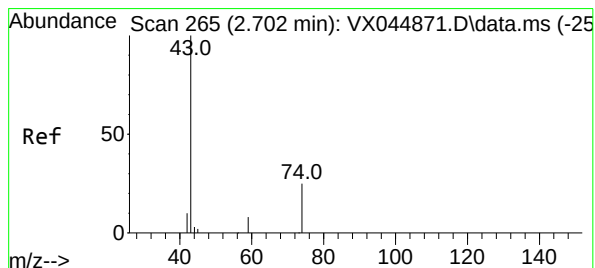
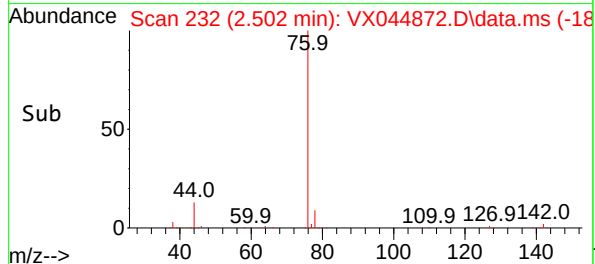
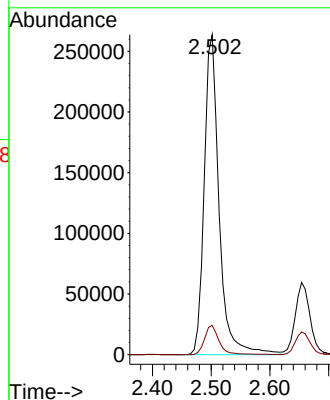
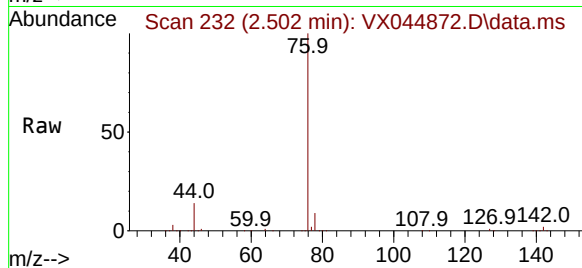
VSTDIC100

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

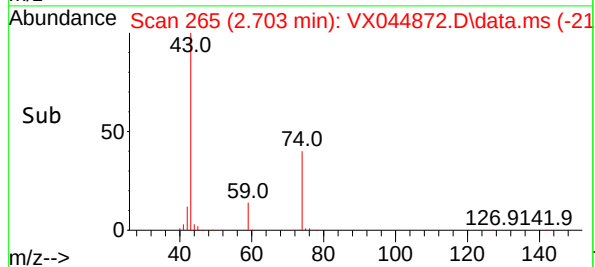
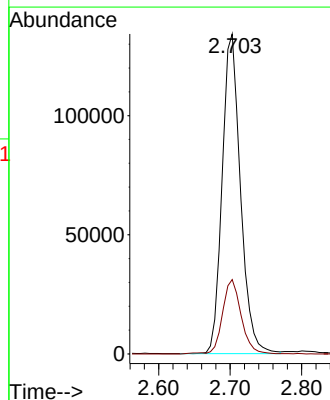
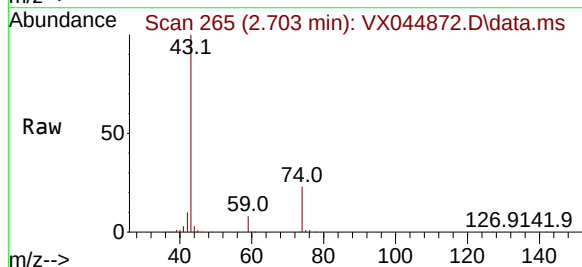
Acq: 10 Feb 2025 12:05

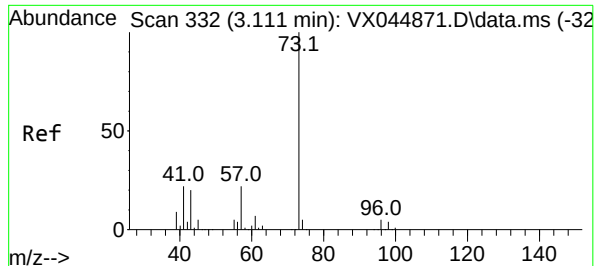
Tgt Ion: 43 Resp: 238689

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

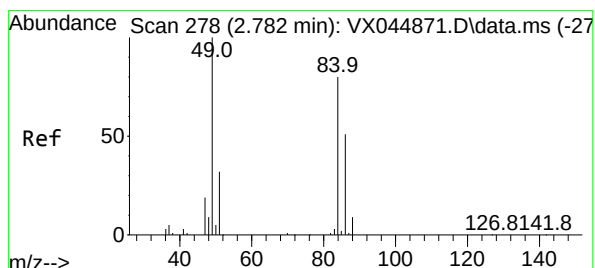
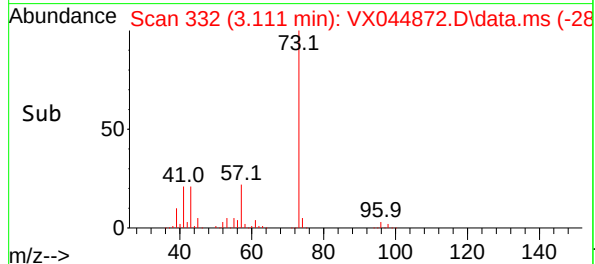
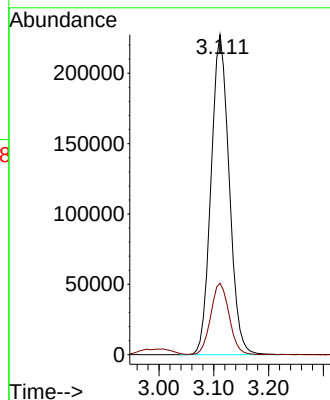
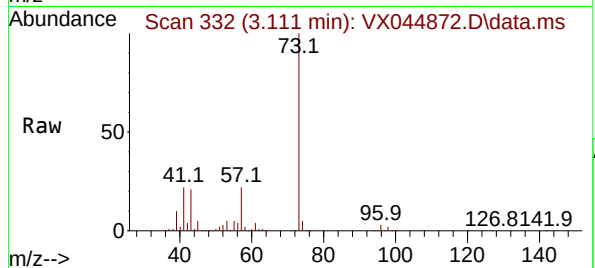
57 22.3 17.9 26.9

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

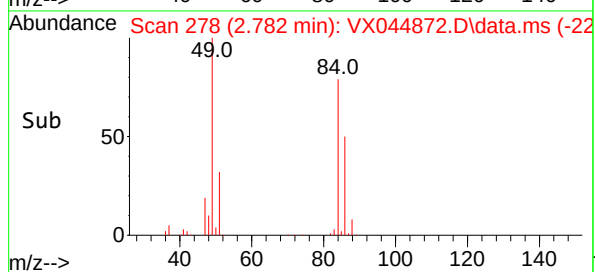
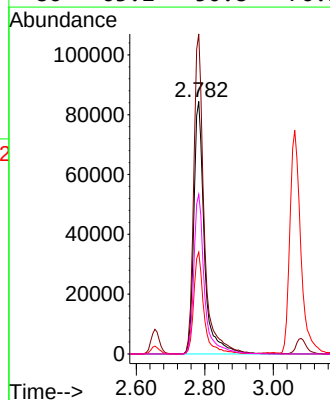
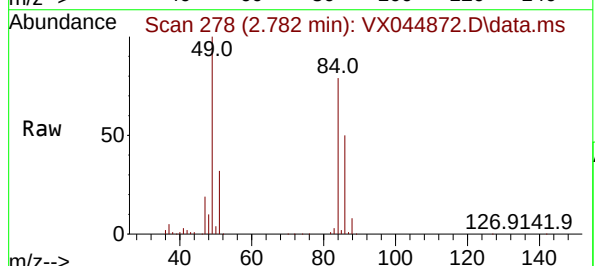
Ion Ratio Lower Upper

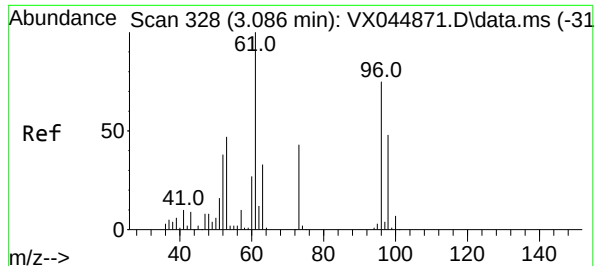
84 100

49 126.7 100.1 150.1

51 40.3 31.7 47.5

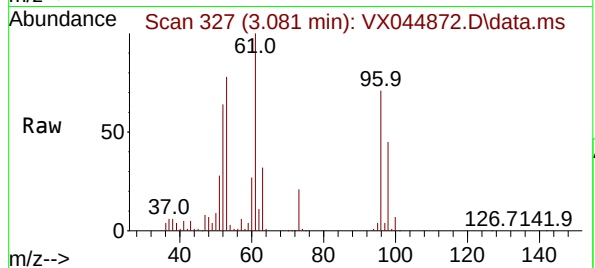
86 63.2 50.8 76.2





#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

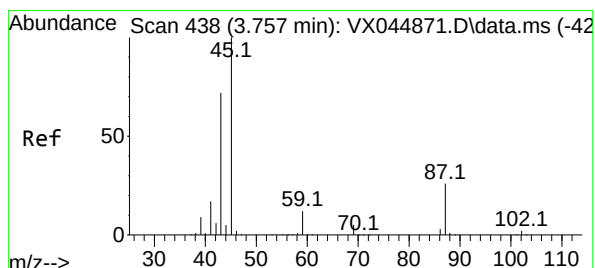
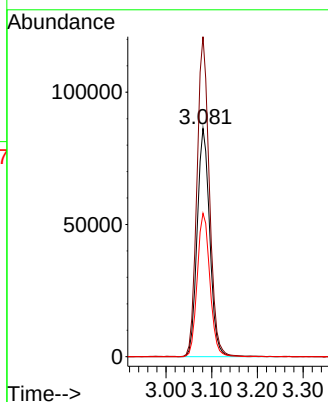
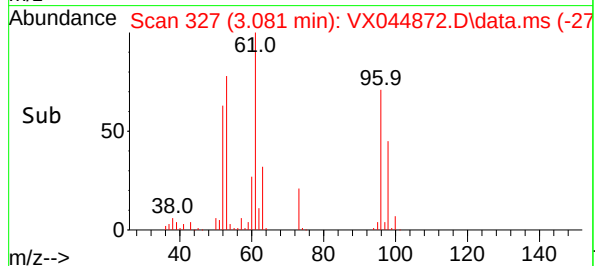
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

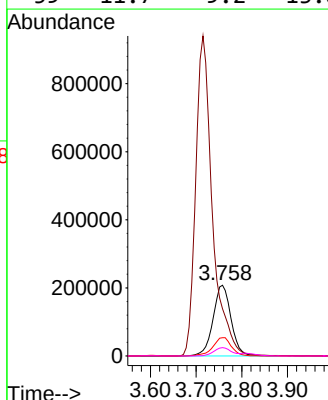
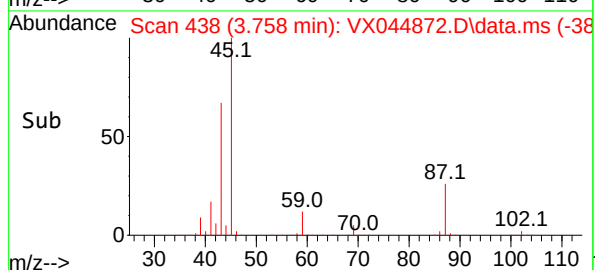
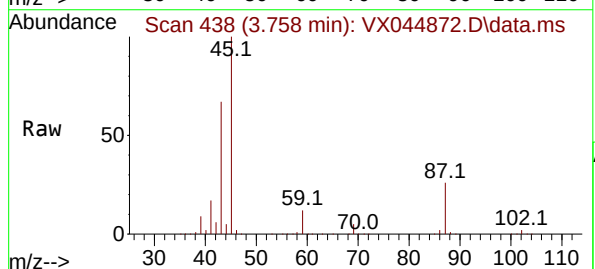
Manual Integrations
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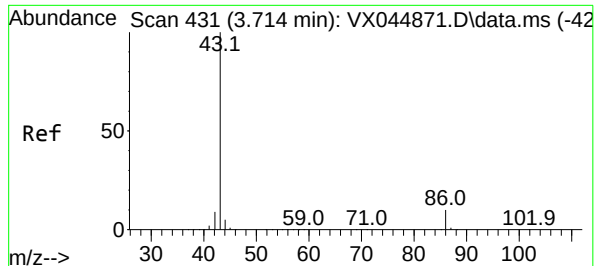
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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 :

VSTDIC100

Tgt Ion: 43 Resp: 2387200

Ion Ratio Lower Upper

43 100

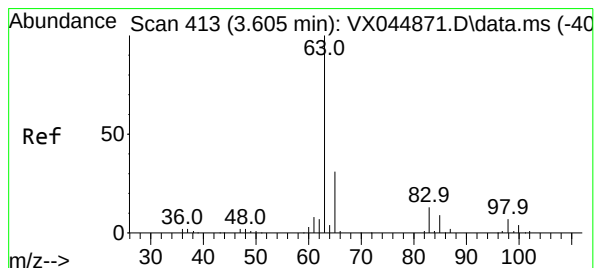
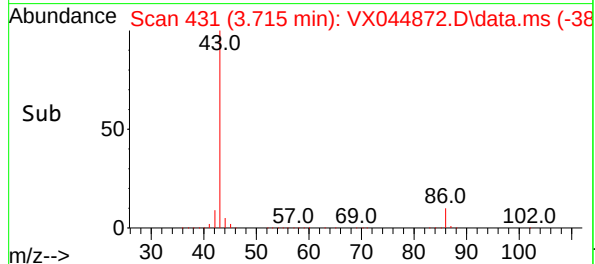
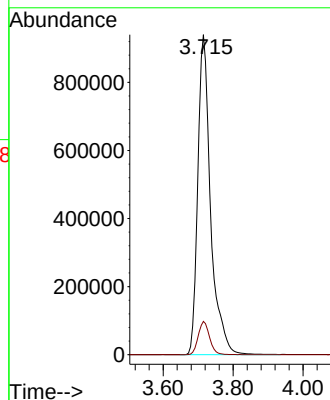
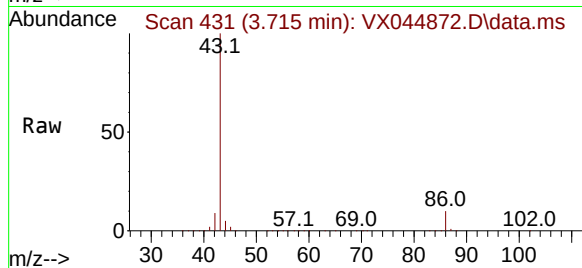
86 10.4 8.3 12.5

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

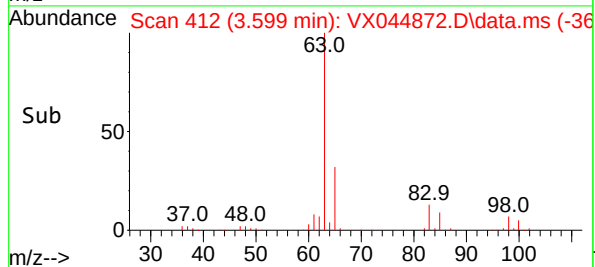
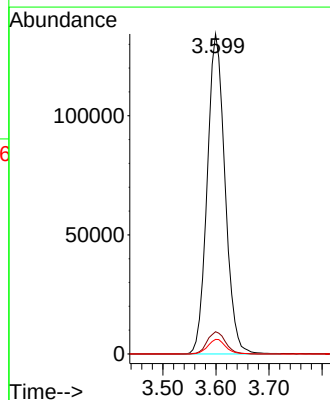
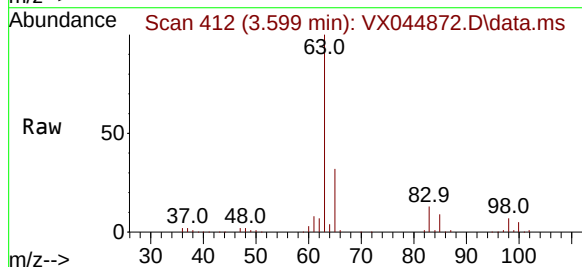
Tgt Ion: 63 Resp: 313164

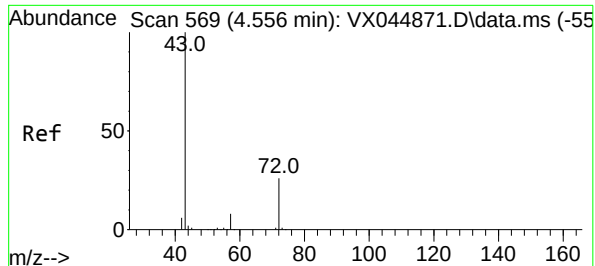
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

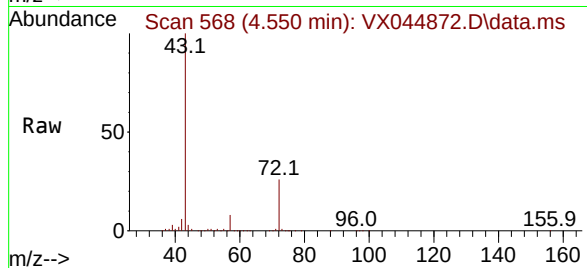
100 4.5 2.1 6.5





#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

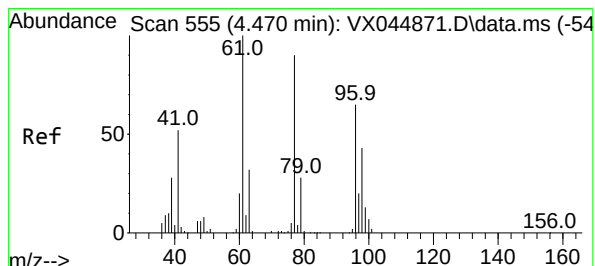
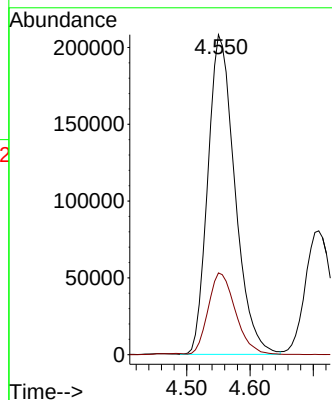
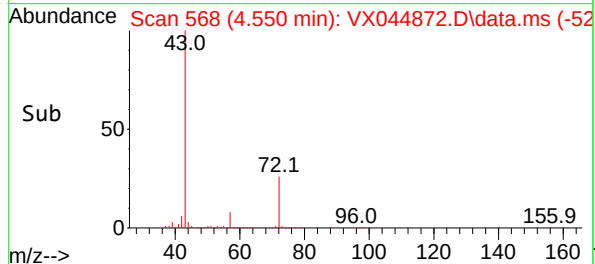
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 61728
Ion Ratio Lower Upper
43 100
72 25.4 21.2 31.8

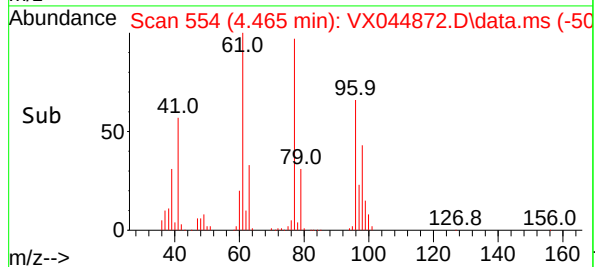
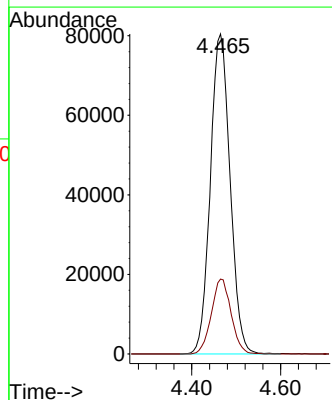
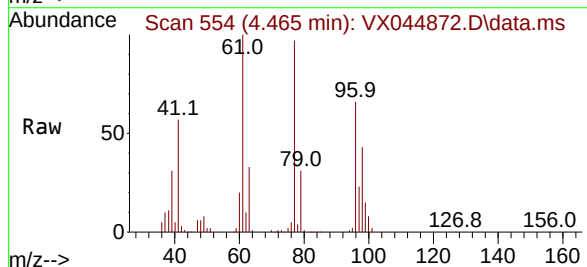
Manual Integrations
APPROVED

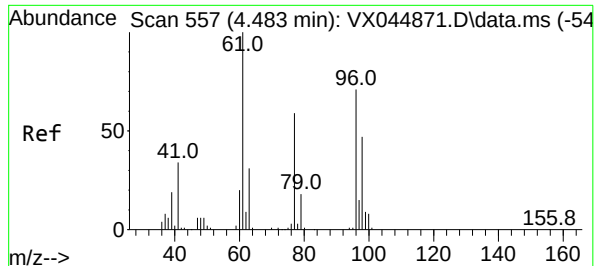
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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# 557

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 19638

Ion Ratio Lower Upper

96 100

61 145.1 0.0 294.0

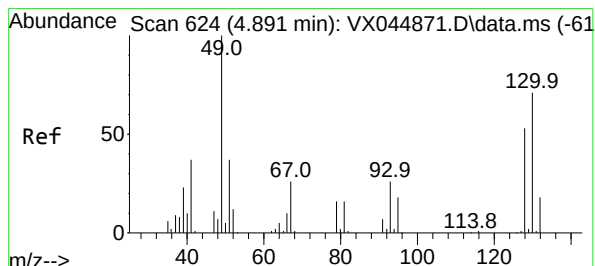
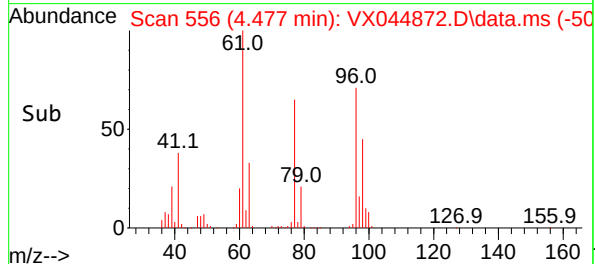
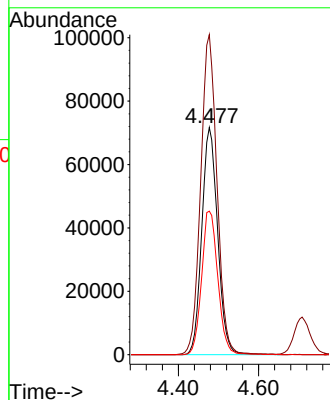
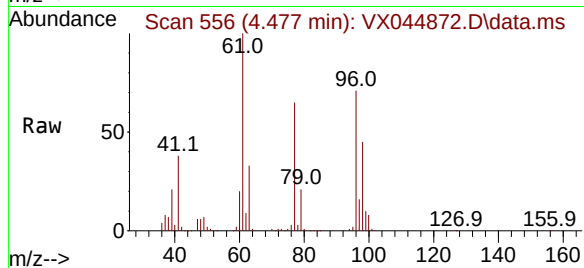
98 64.6 0.0 131.2

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

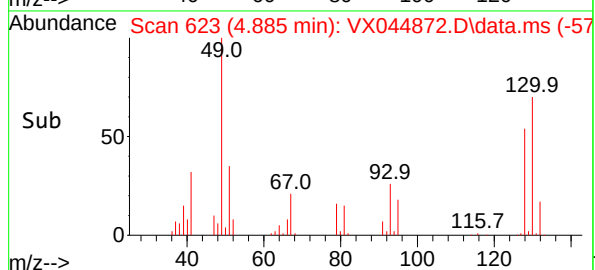
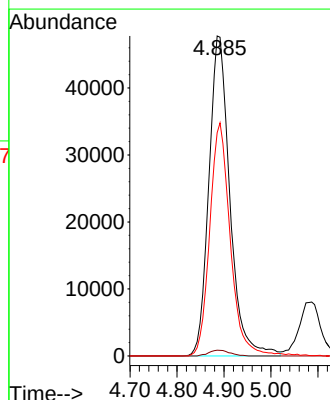
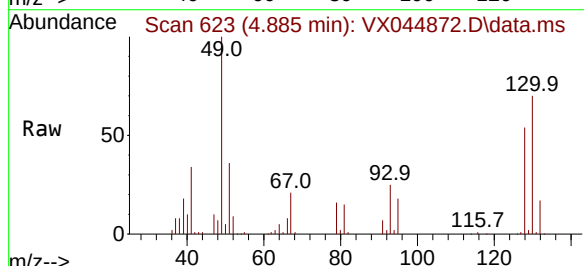
Tgt Ion: 49 Resp: 148137

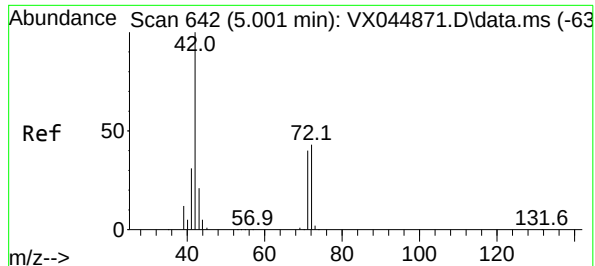
Ion Ratio Lower Upper

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

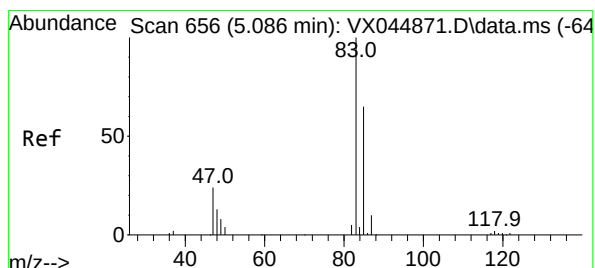
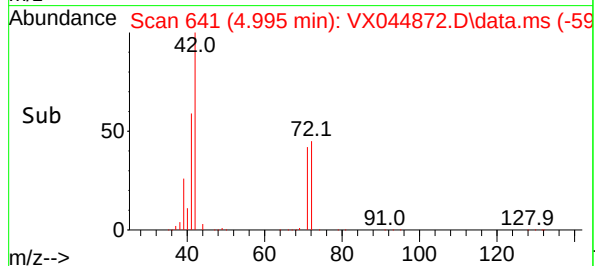
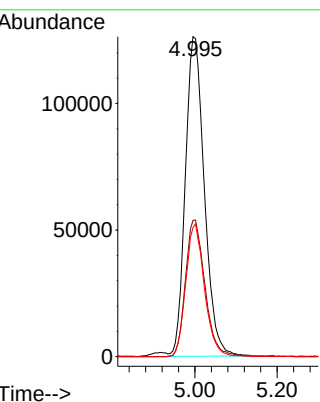
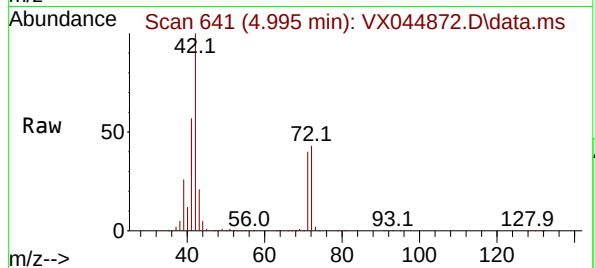
71 40.8 32.6 48.8

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

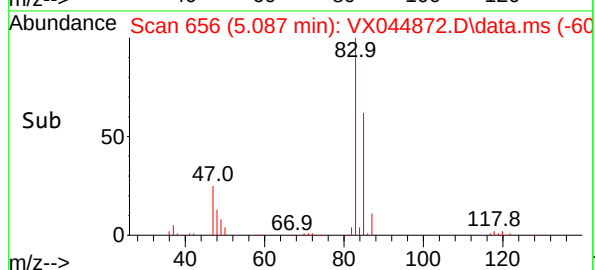
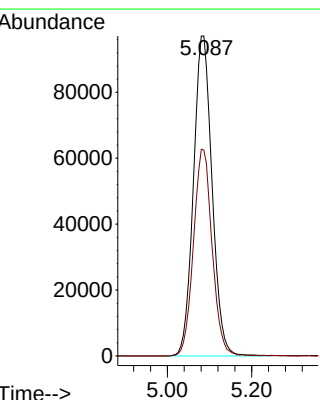
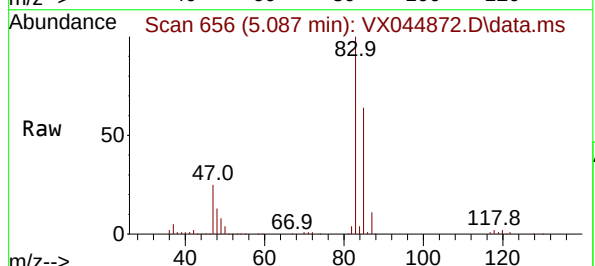
Acq: 10 Feb 2025 12:05

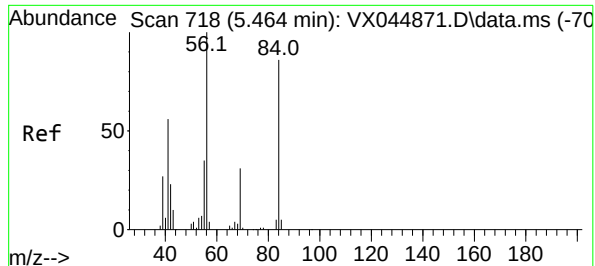
Tgt Ion: 83 Resp: 298690

Ion Ratio Lower Upper

83 100

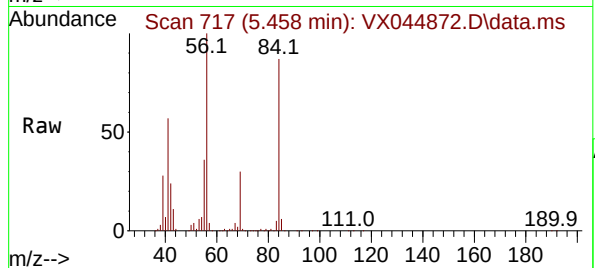
85 64.3 52.1 78.1





#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

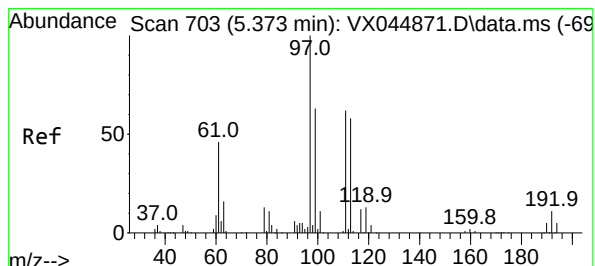
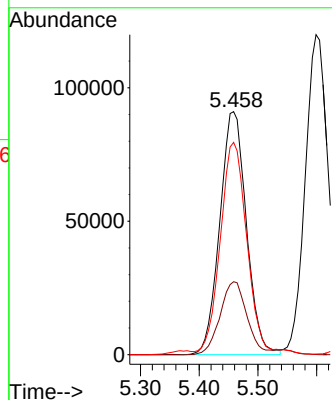
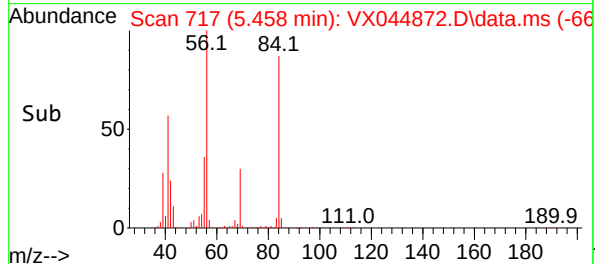
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

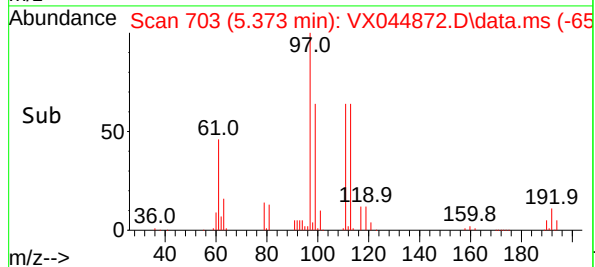
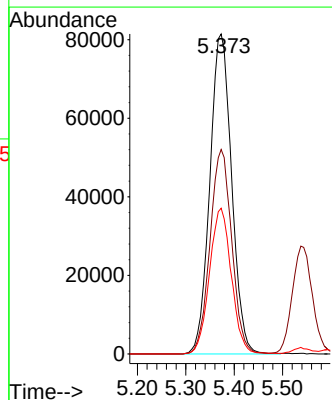
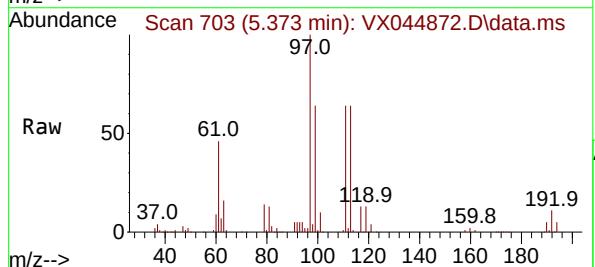
Manual Integrations
APPROVED

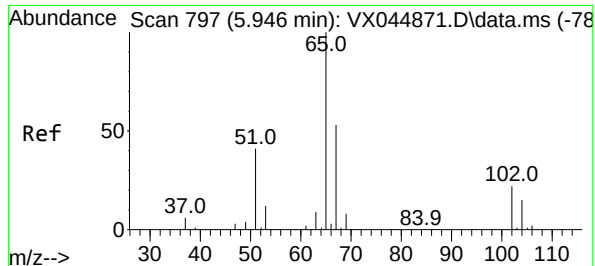
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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# 79

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 18309

Ion Ratio Lower Upper

65 100

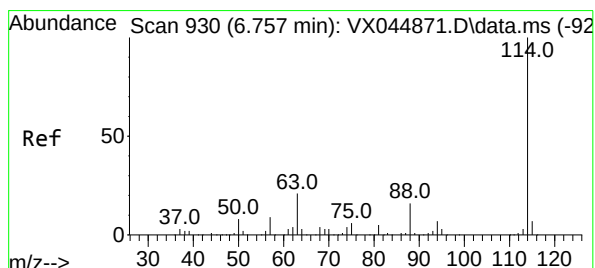
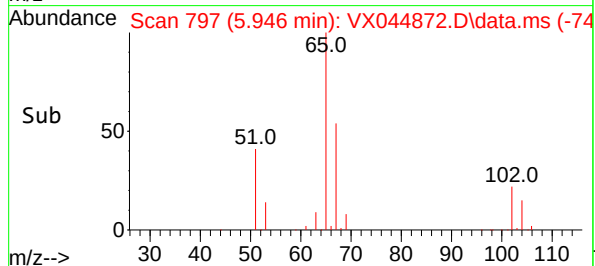
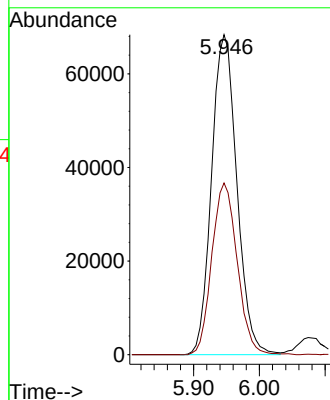
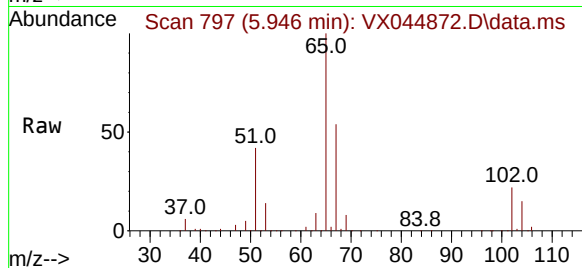
67 53.8 0.0 108.2

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

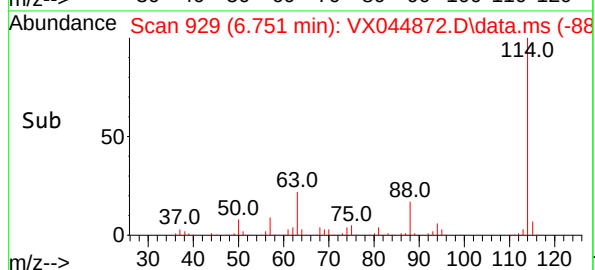
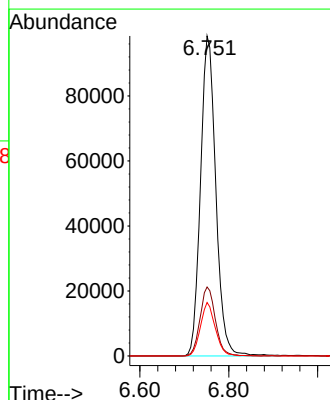
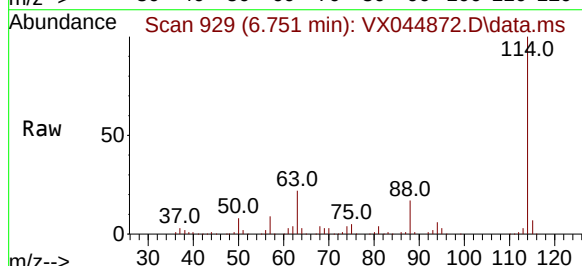
Tgt Ion:114 Resp: 236372

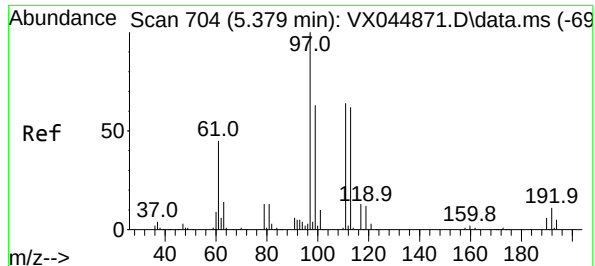
Ion Ratio Lower Upper

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 :

VSTDIC100

Tgt Ion:113 Resp: 151228

Ion Ratio Lower Upper

113 100

111 101.6 83.5 125.3

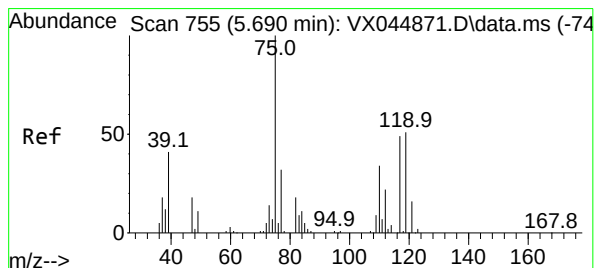
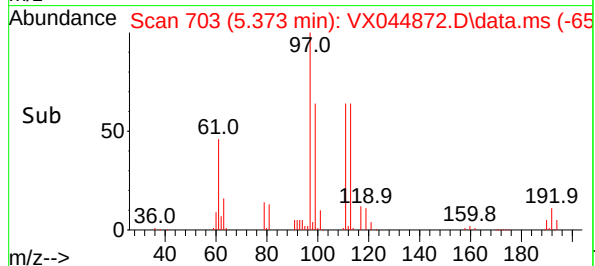
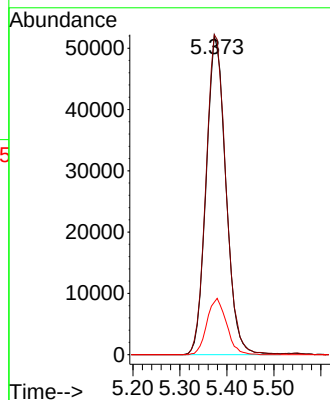
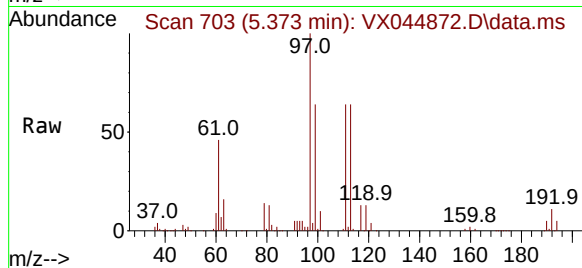
192 17.6 14.4 21.6

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

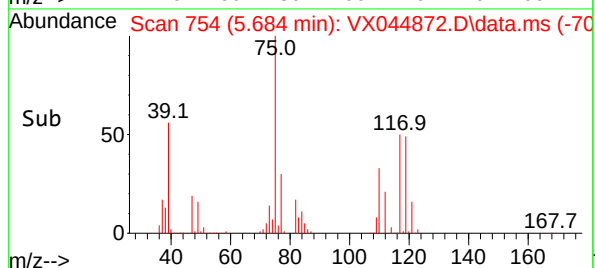
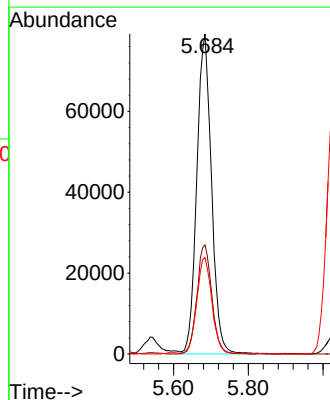
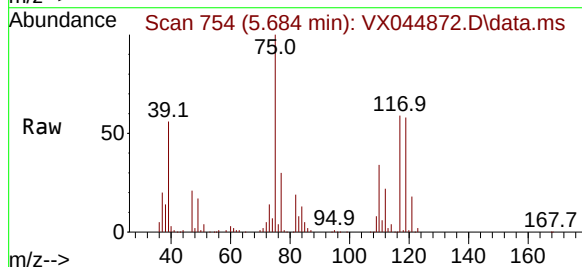
Tgt Ion: 75 Resp: 216005

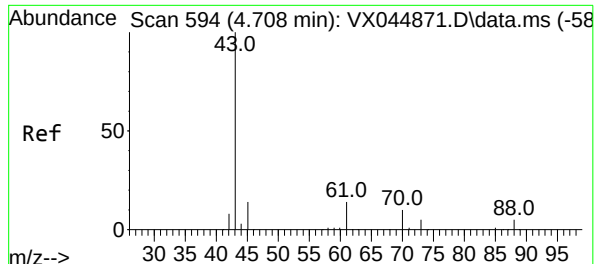
Ion Ratio Lower Upper

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

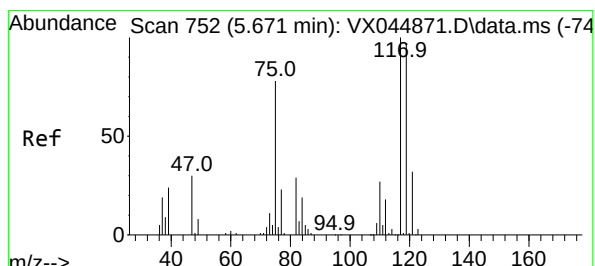
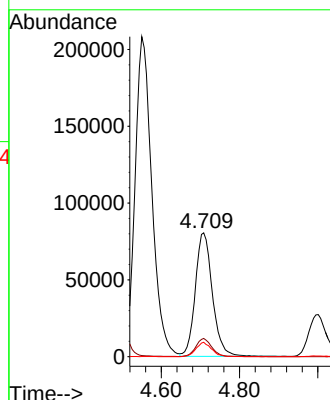
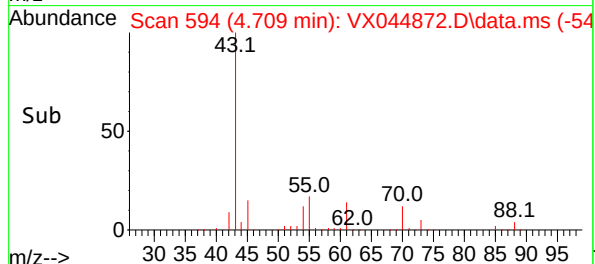
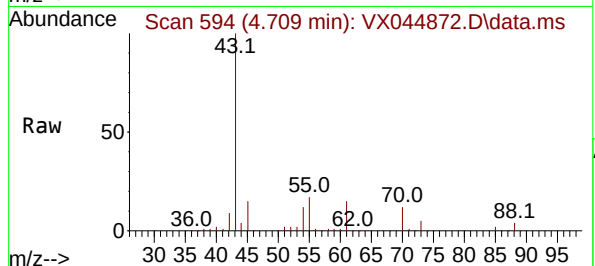
Tgt Ion:	43	Resp:	244164
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	10.6	8.2	12.2

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

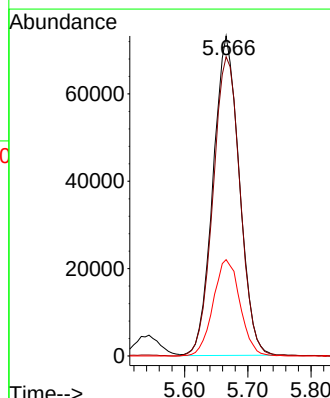
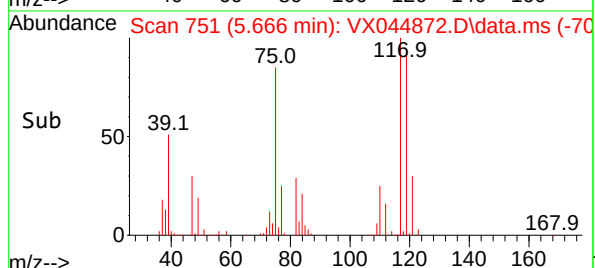
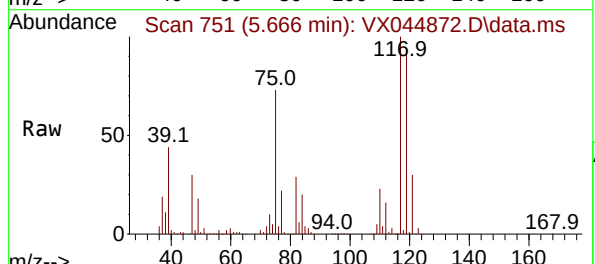
RT: 5.666 min Scan# 751

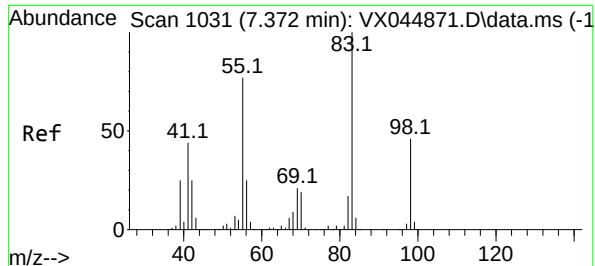
Delta R.T. -0.006 min

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

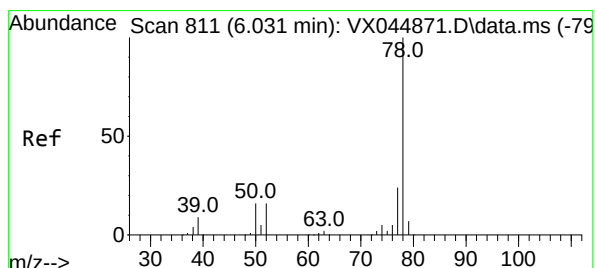
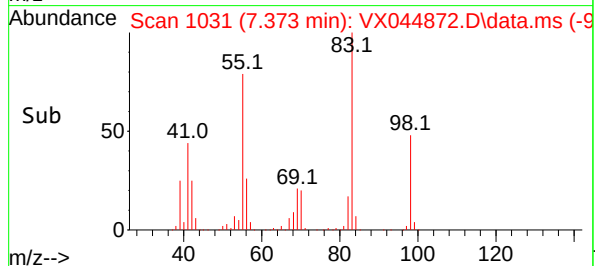
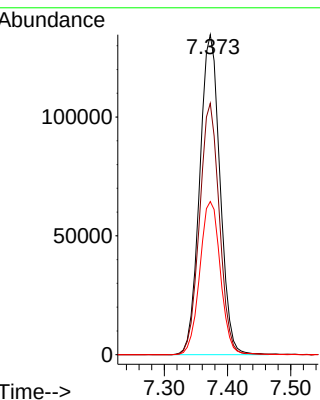
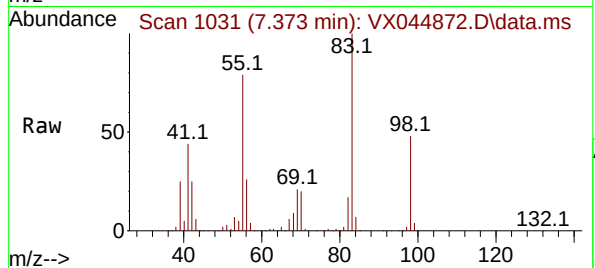
98 47.8 37.0 55.6

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

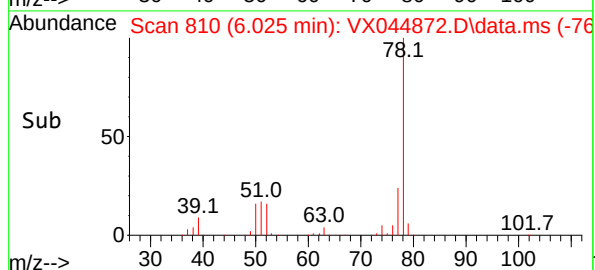
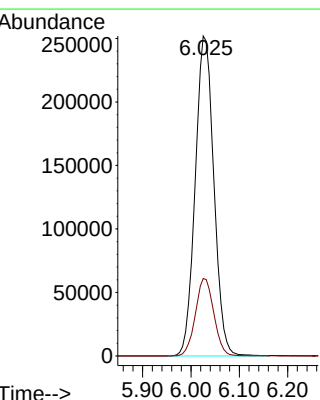
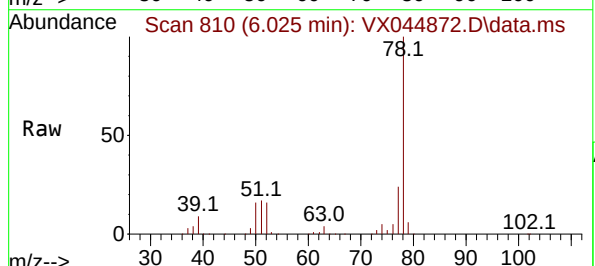
Acq: 10 Feb 2025 12:05

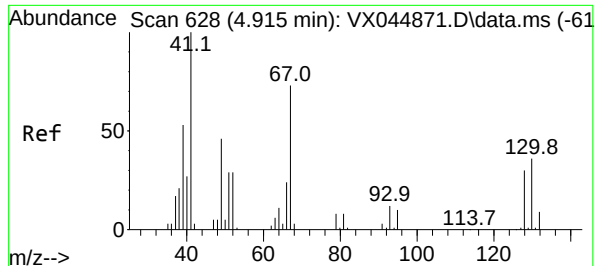
Tgt Ion: 78 Resp: 675556

Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.6





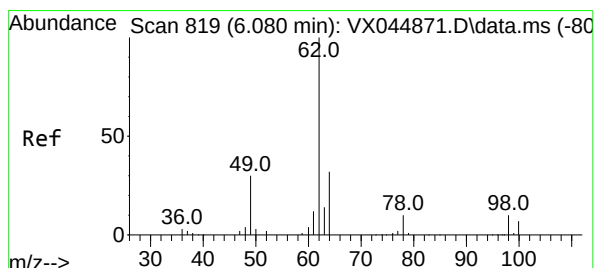
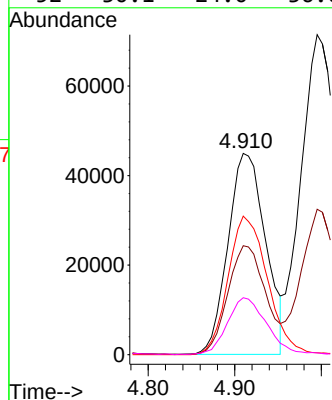
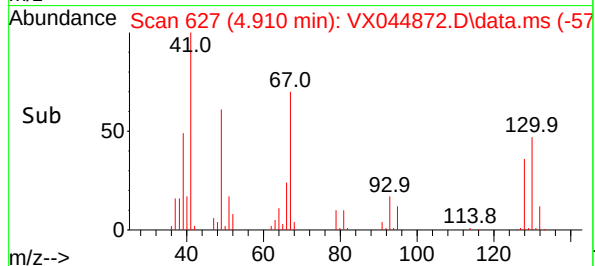
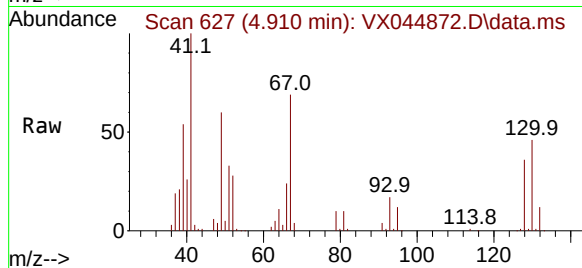
#41
Methacrylonitrile
Concen: 102.745 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
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

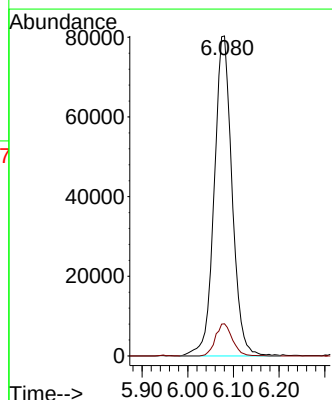
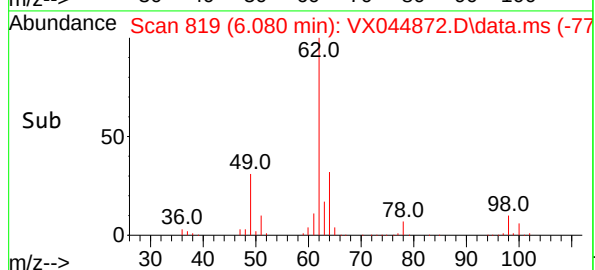
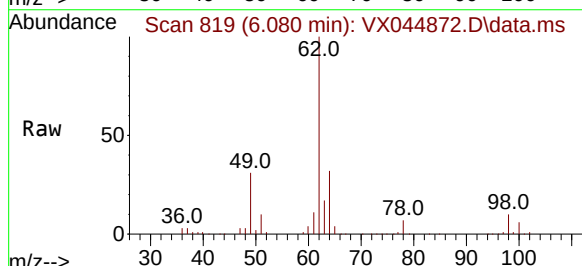
Manual Integrations
APPROVED

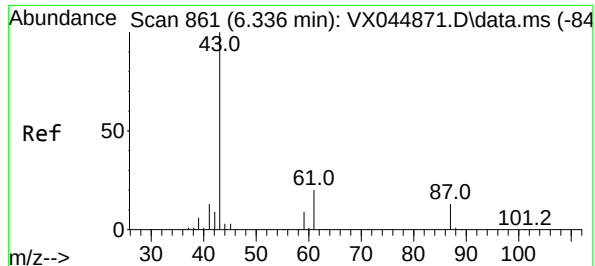
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

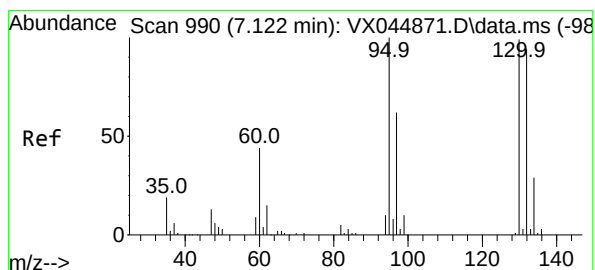
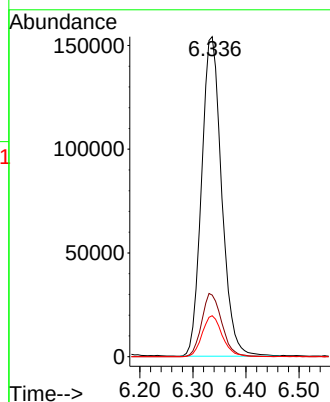
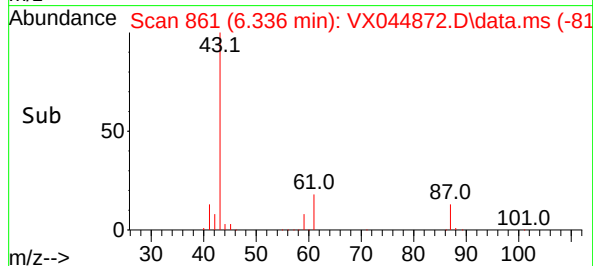
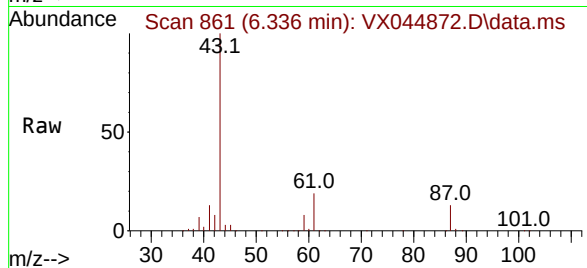
87 12.8 10.0 15.0

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

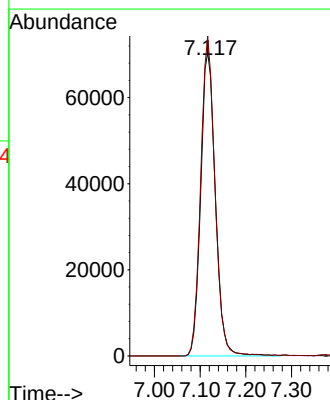
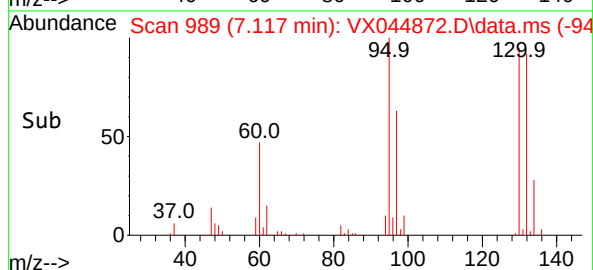
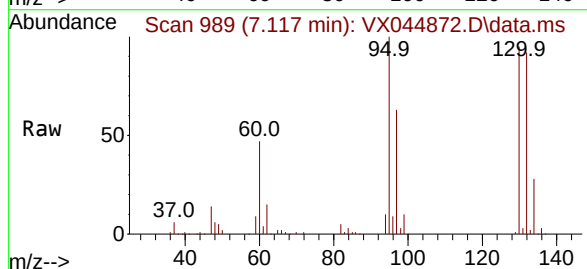
Acq: 10 Feb 2025 12:05

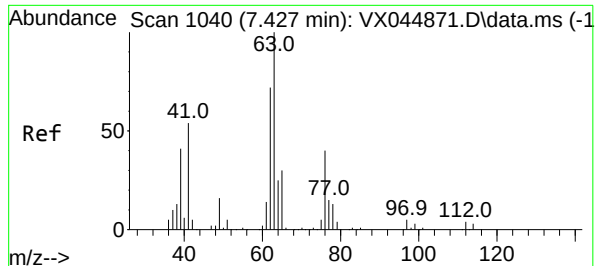
Tgt Ion:130 Resp: 156832

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

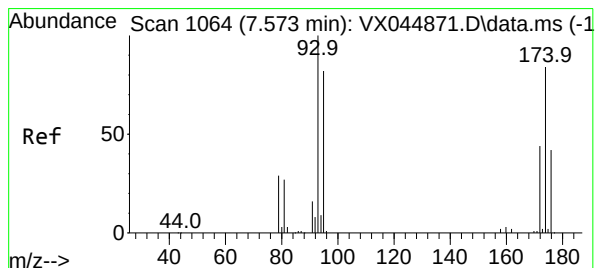
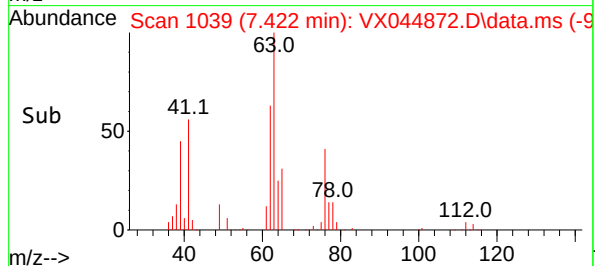
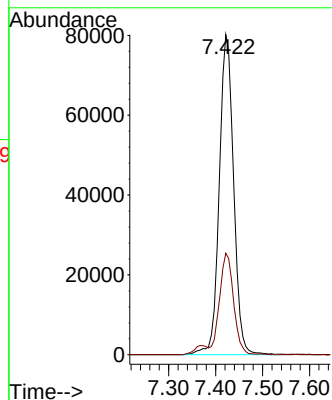
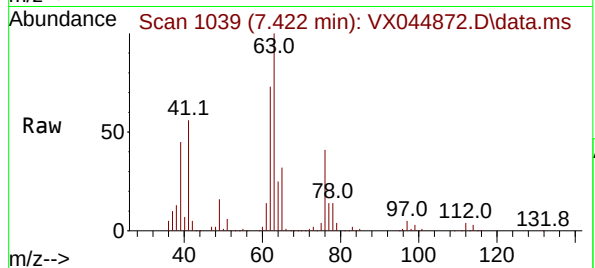
65 31.7 24.2 36.4

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

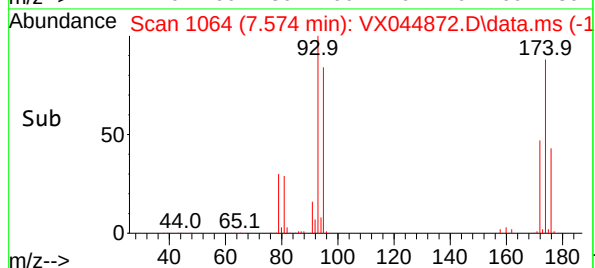
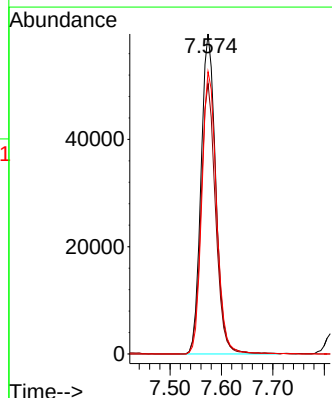
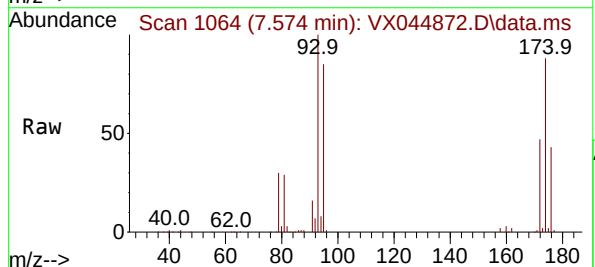
Tgt Ion: 93 Resp: 119149

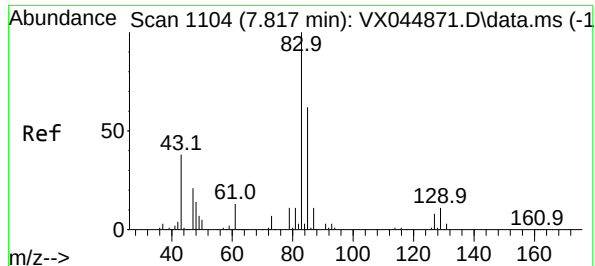
Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.4

174 88.1 69.9 104.9





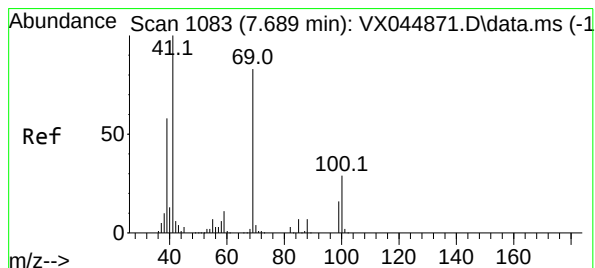
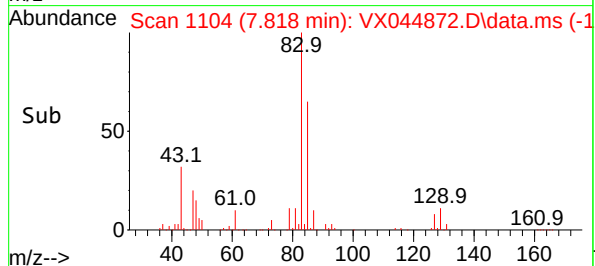
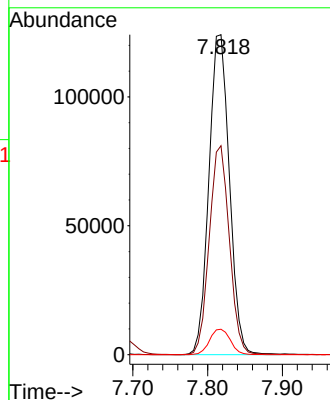
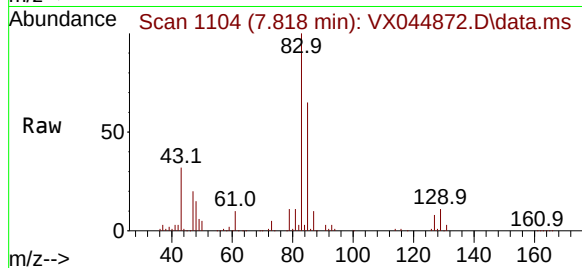
#47
Bromodichloromethane
Concen: 102.254 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

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

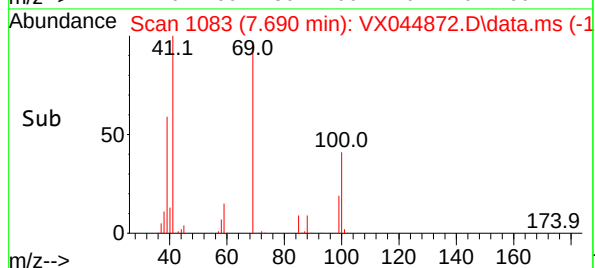
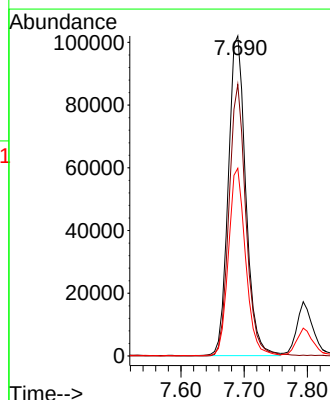
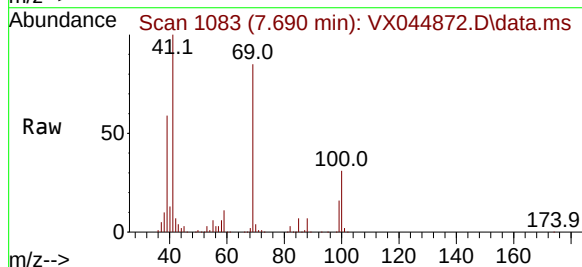
Manual Integrations
APPROVED

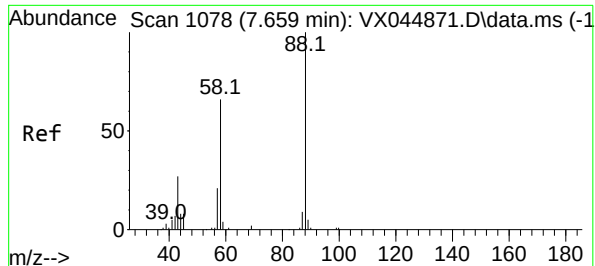
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

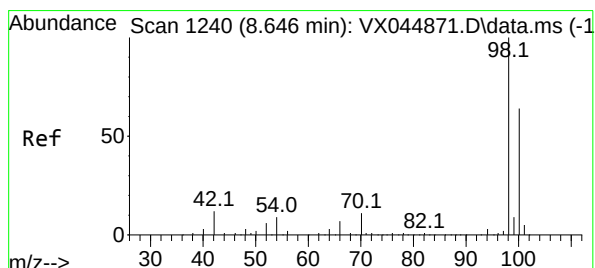
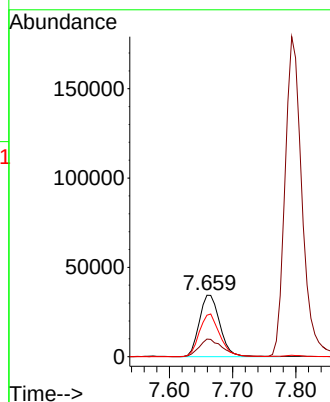
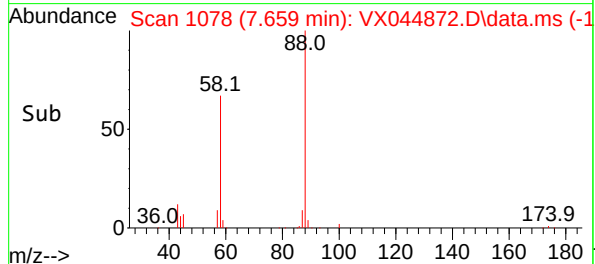
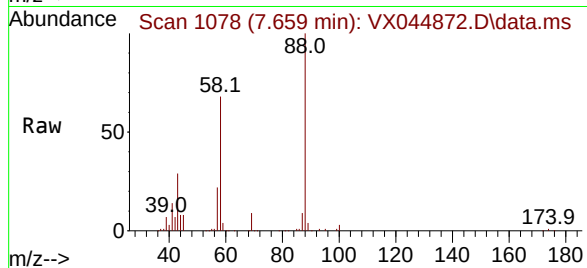
58 68.9 55.9 83.9

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

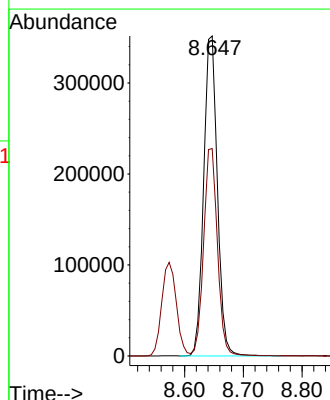
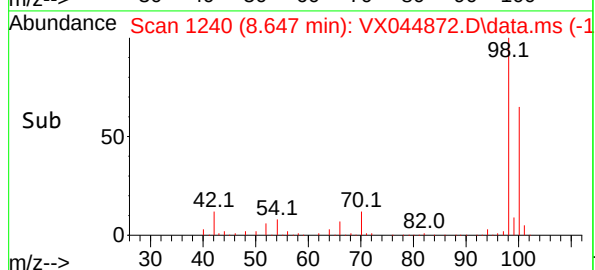
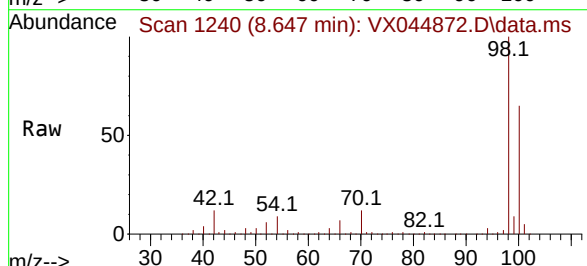
Acq: 10 Feb 2025 12:05

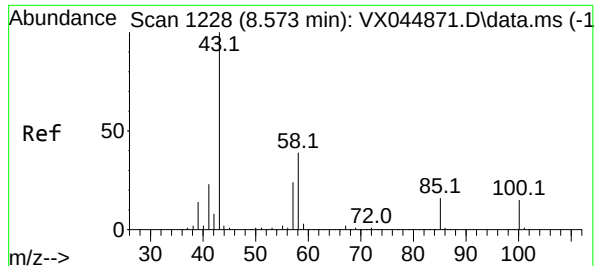
Tgt Ion: 98 Resp: 570976

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# 1228

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: 119688

Ion Ratio Lower Upper

43 100

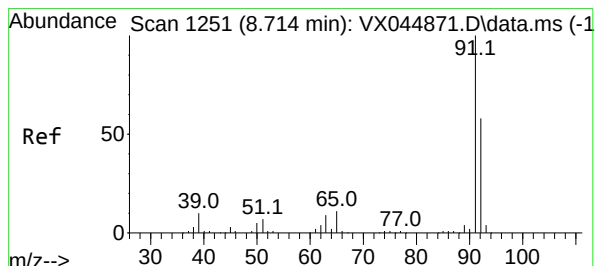
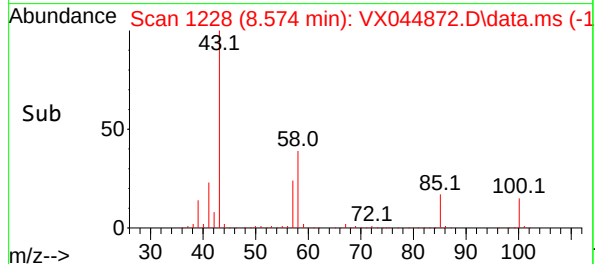
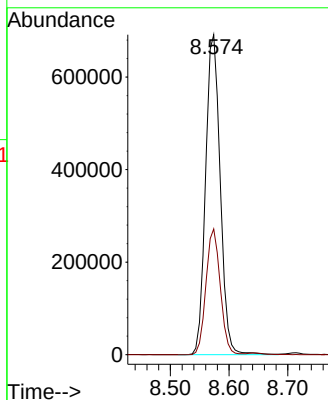
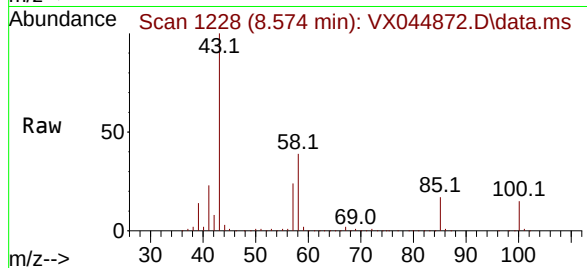
58 38.4 30.8 46.2

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

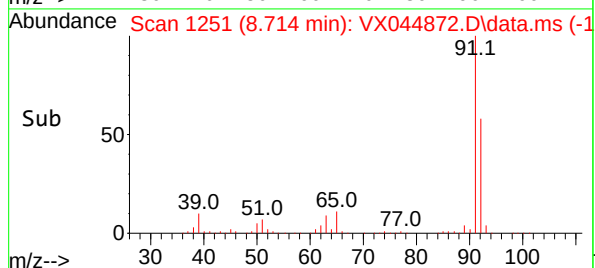
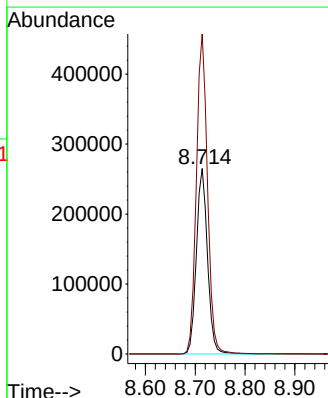
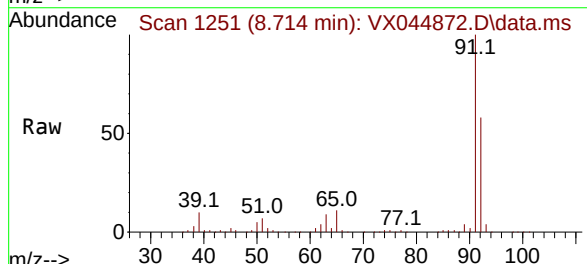
Acq: 10 Feb 2025 12:05

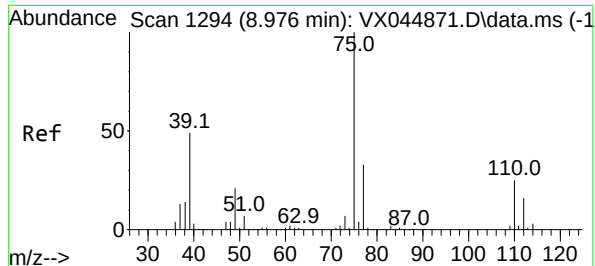
Tgt Ion: 92 Resp: 409318

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# 1129

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

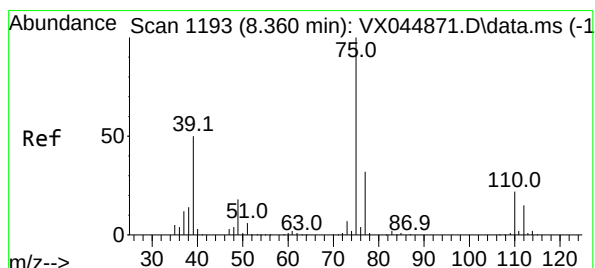
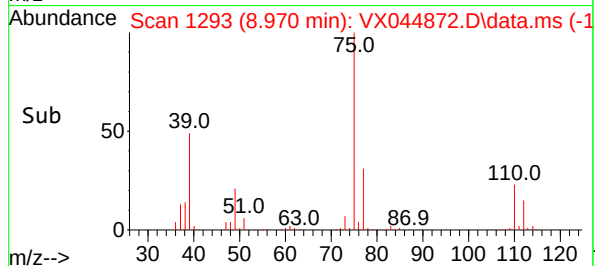
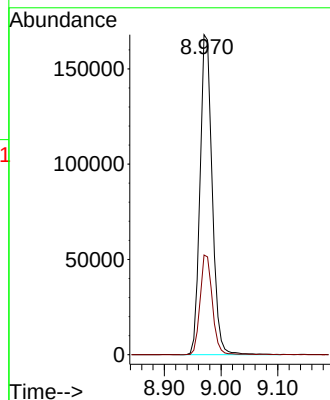
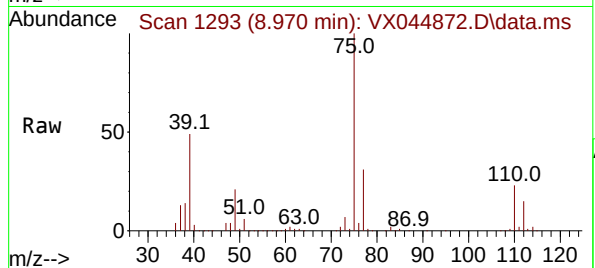
77 31.2 26.0 39.0

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

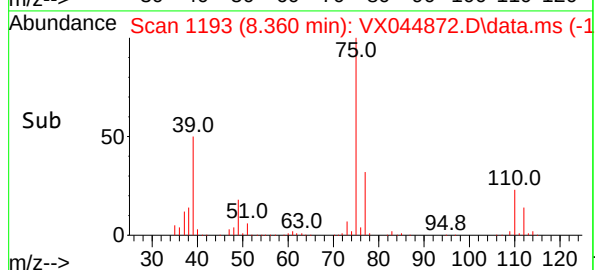
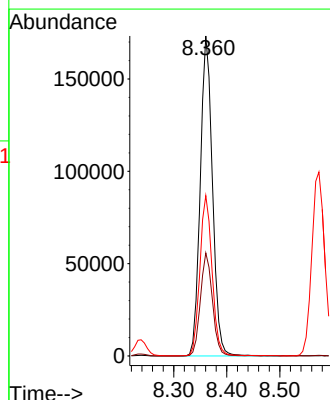
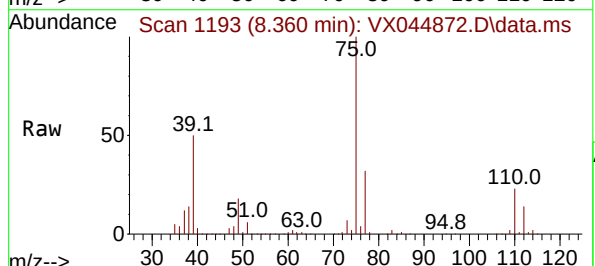
Tgt Ion: 75 Resp: 277371

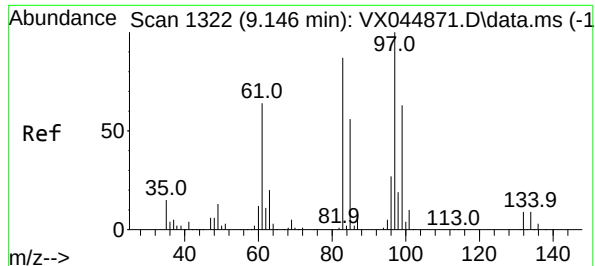
Ion Ratio Lower Upper

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

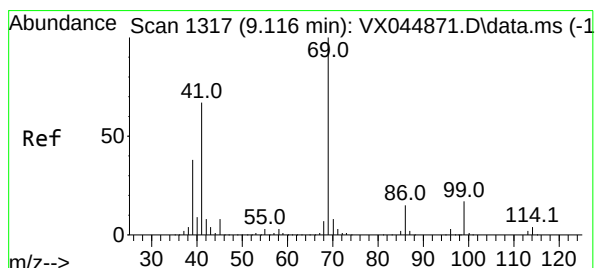
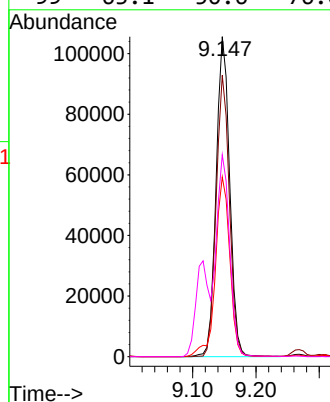
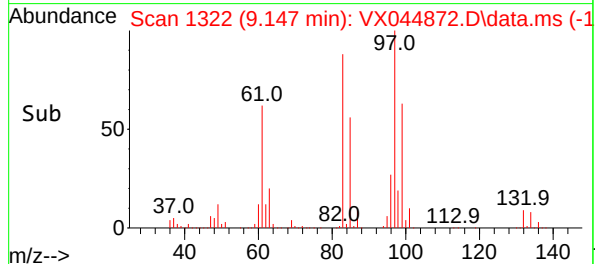
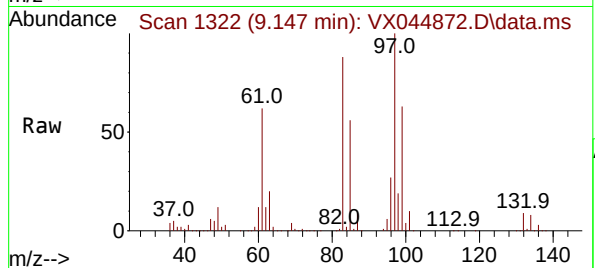
99 63.1 50.6 76.0

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

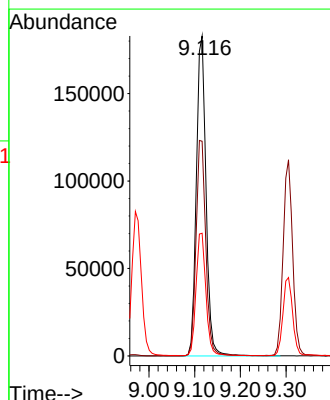
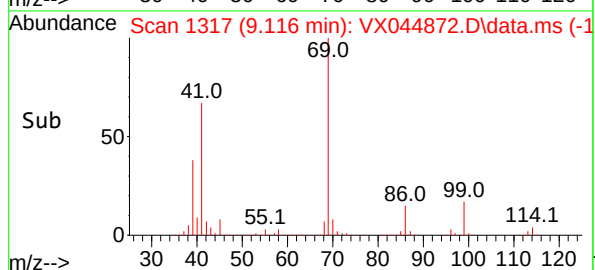
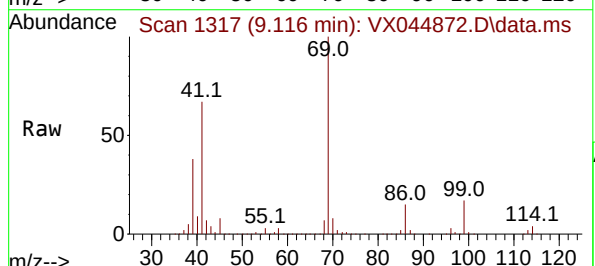
Tgt Ion: 69 Resp: 268693

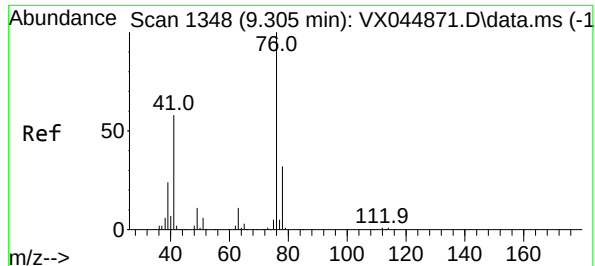
Ion Ratio Lower Upper

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# 1173

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: 27384

Ion Ratio Lower Upper

76 100

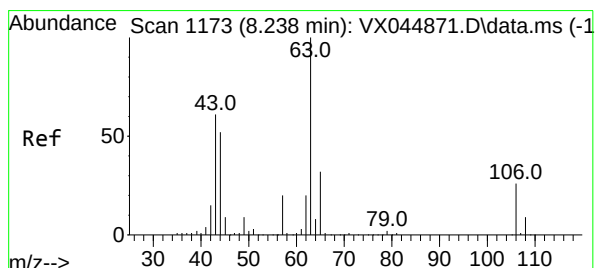
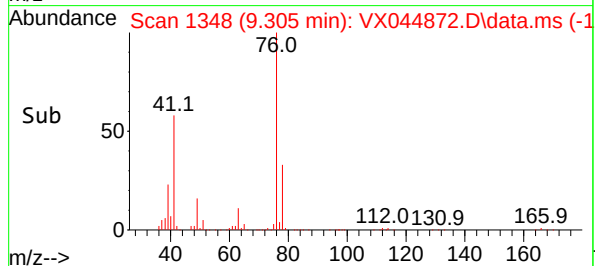
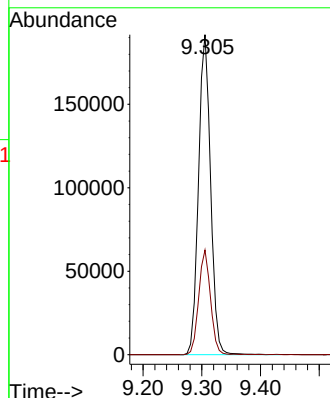
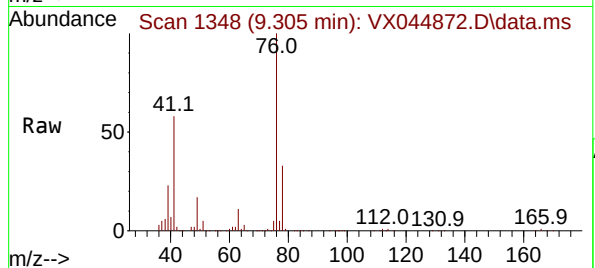
78 32.0 25.8 38.8

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

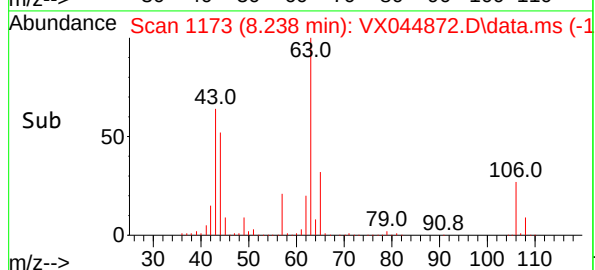
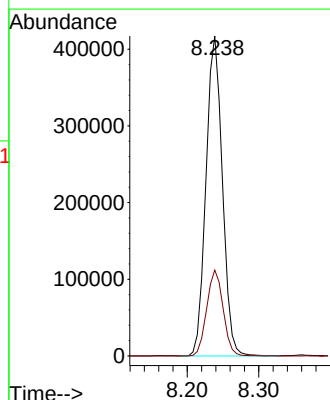
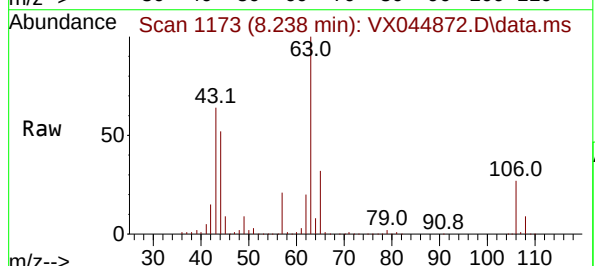
Acq: 10 Feb 2025 12:05

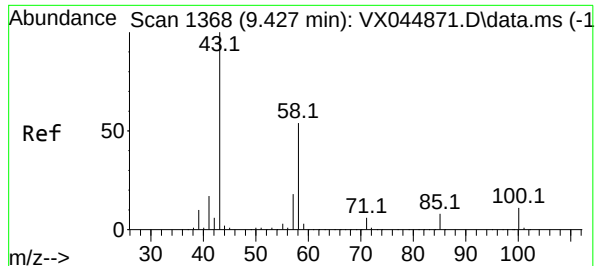
Tgt Ion: 63 Resp: 664198

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 :

VSTDIC100

Tgt Ion: 43 Resp: 871904

Ion Ratio Lower Upper

43 100

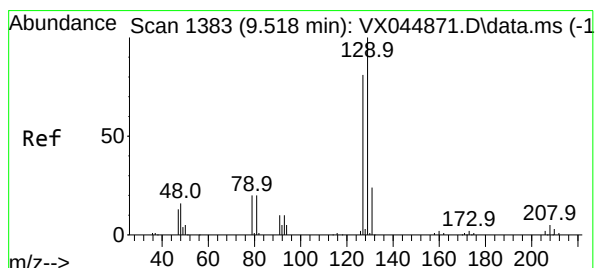
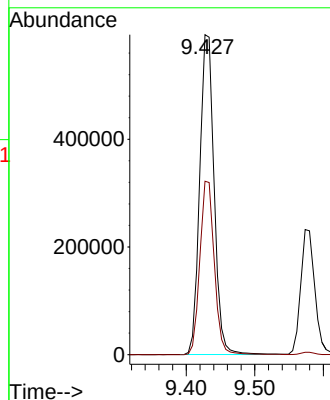
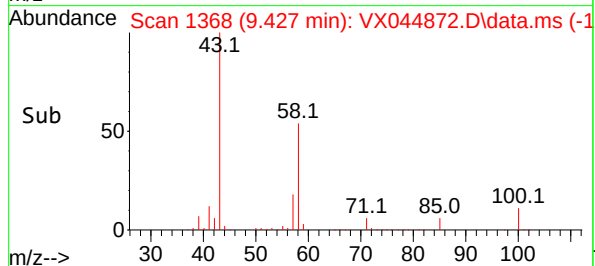
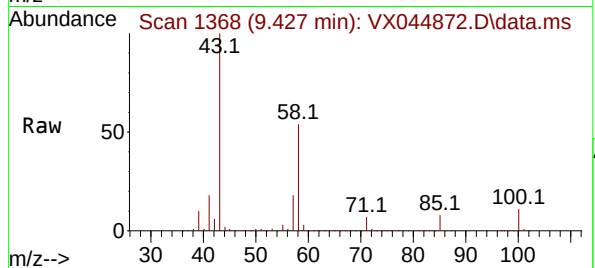
58 54.4 27.5 82.4

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

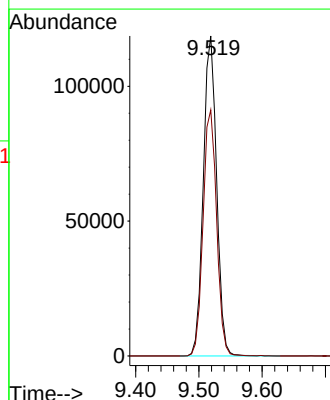
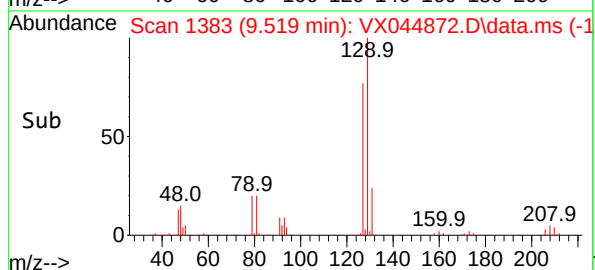
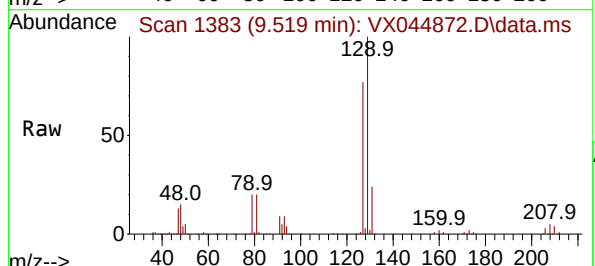
Acq: 10 Feb 2025 12:05

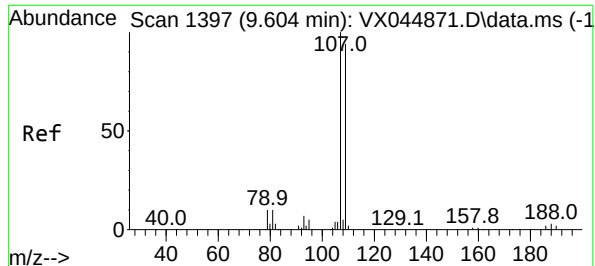
Tgt Ion:129 Resp: 173848

Ion Ratio Lower Upper

129 100

127 78.3 39.1 117.3





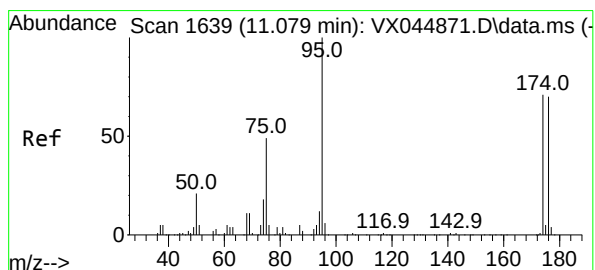
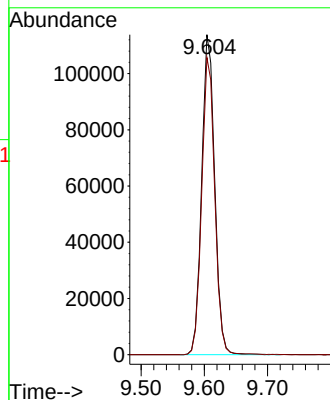
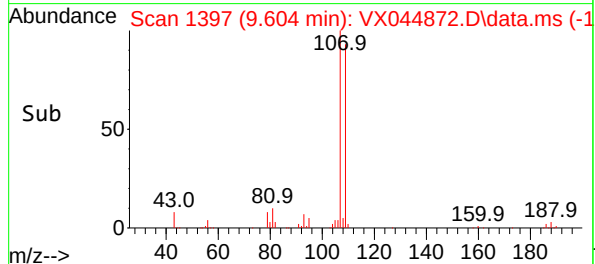
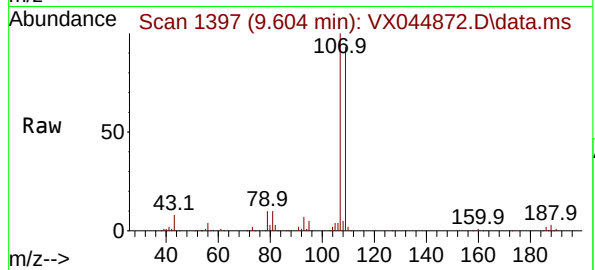
#61
1,2-Dibromoethane
Concen: 101.451 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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

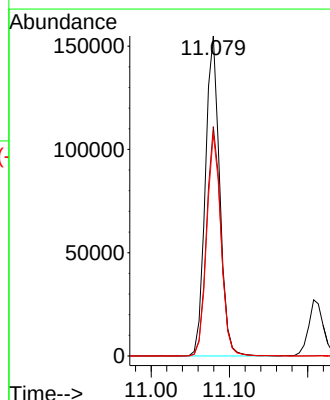
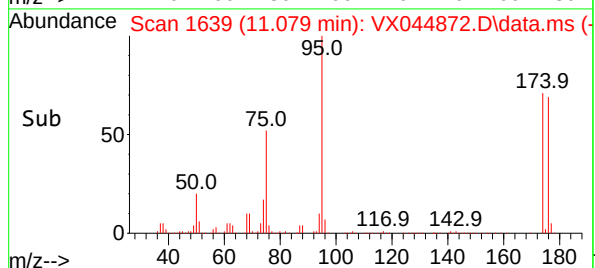
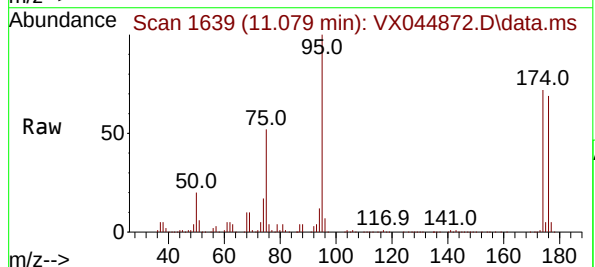
Manual Integrations
APPROVED

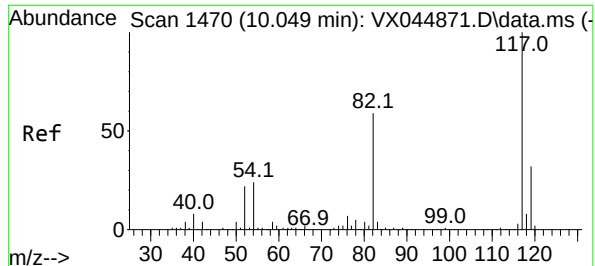
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

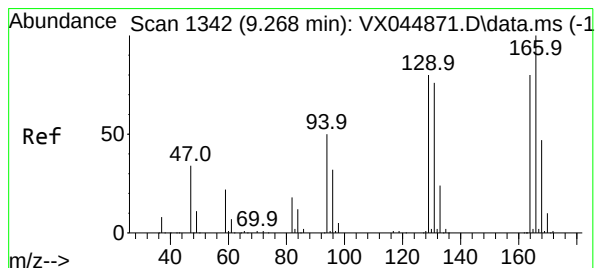
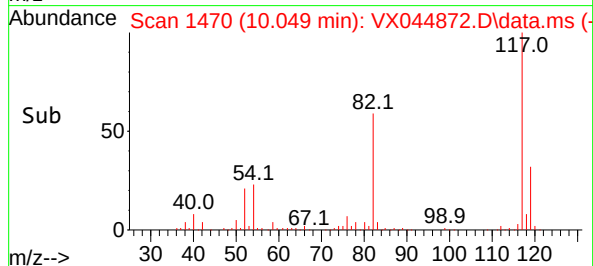
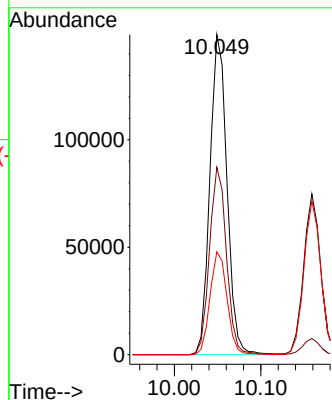
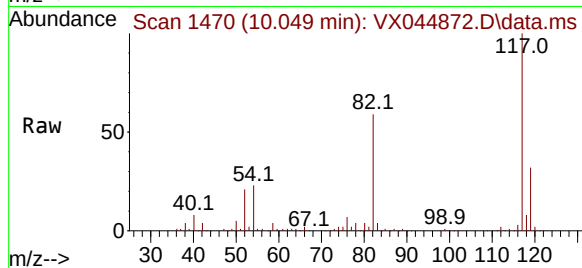
119 32.2 25.4 38.0

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

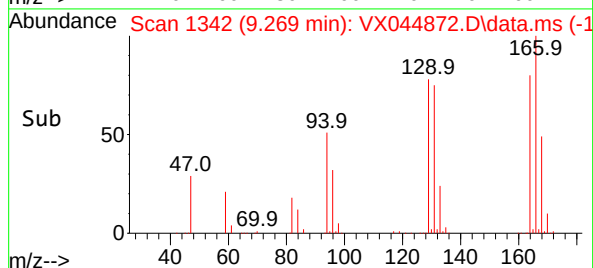
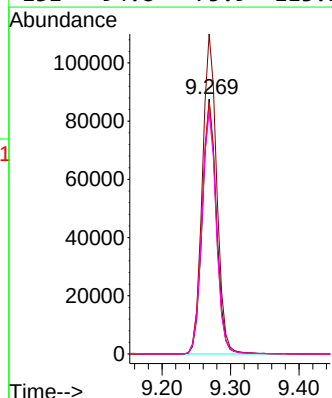
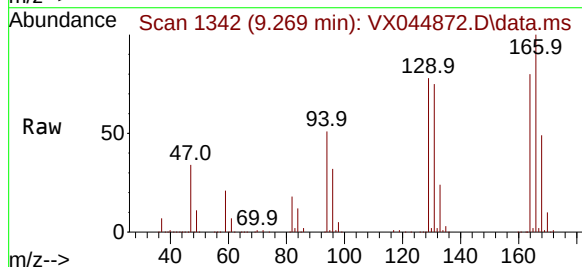
Ion Ratio Lower Upper

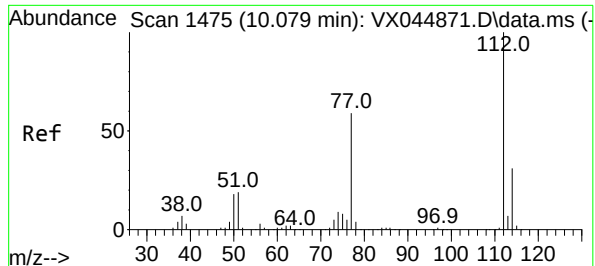
164 100

166 125.6 100.4 150.6

129 98.6 79.9 119.9

131 94.8 75.9 113.9





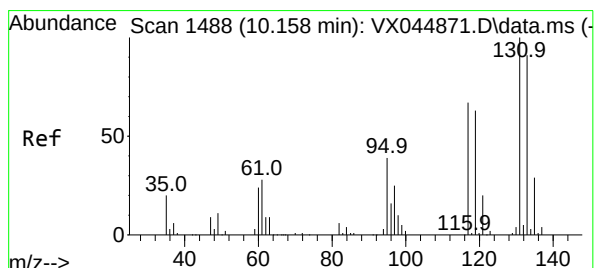
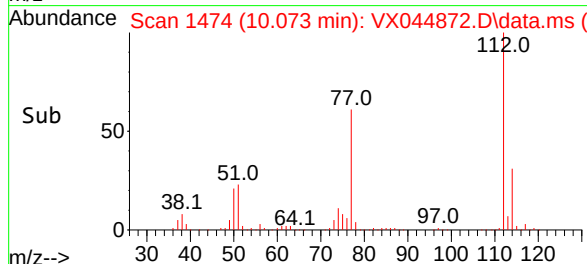
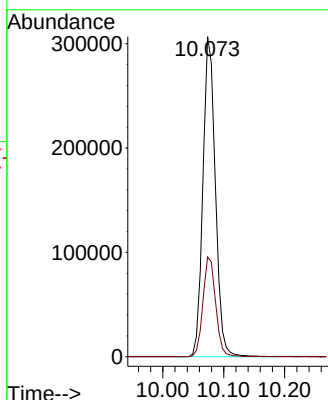
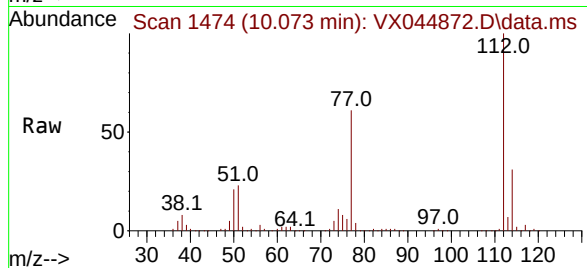
#65
Chlorobenzene
Concen: 99.694 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

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

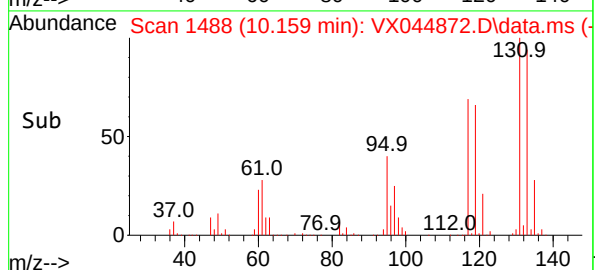
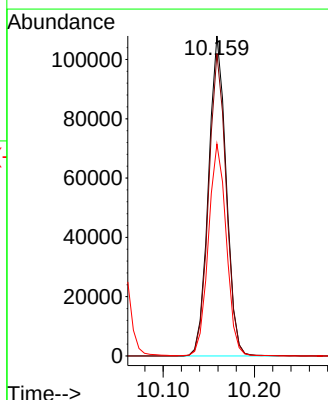
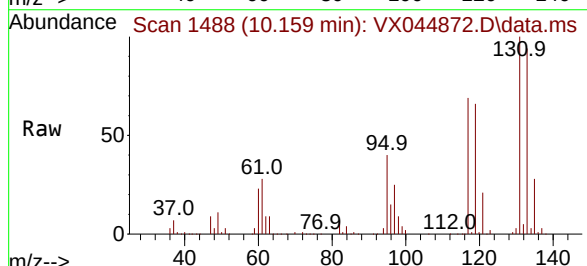
Manual Integrations
APPROVED

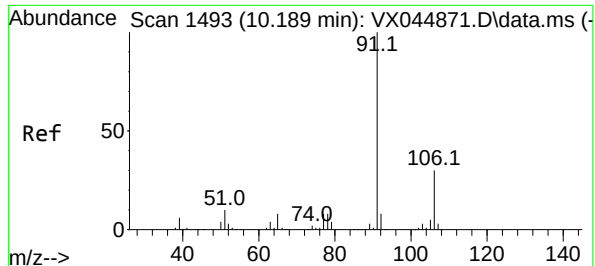
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

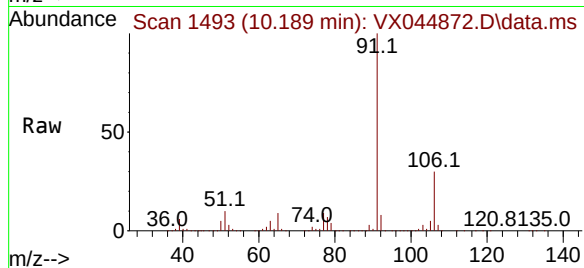
Tgt Ion:131 Resp: 144793
Ion Ratio Lower Upper
131 100
133 94.1 47.1 141.3
119 67.2 33.6 100.6





#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

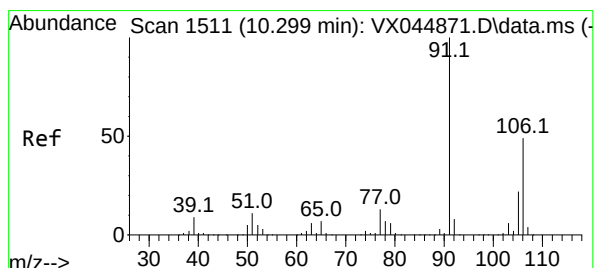
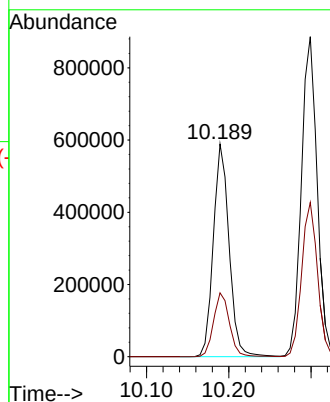
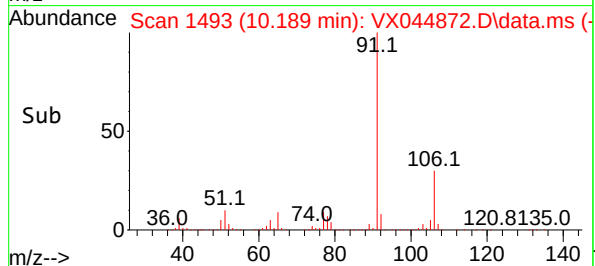
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 91 Resp: 784184
Ion Ratio Lower Upper
91 100
106 30.0 23.9 35.9

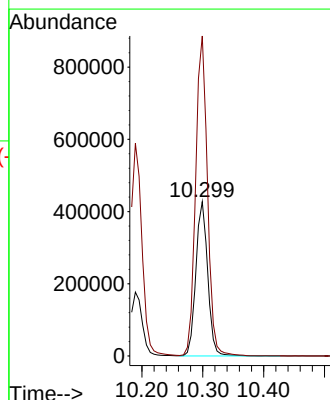
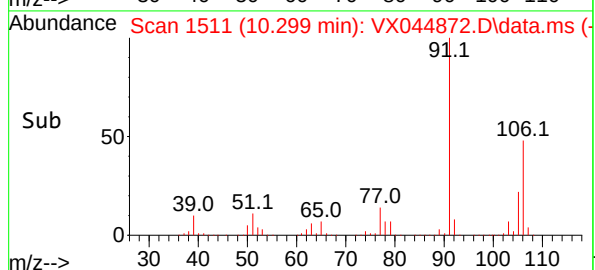
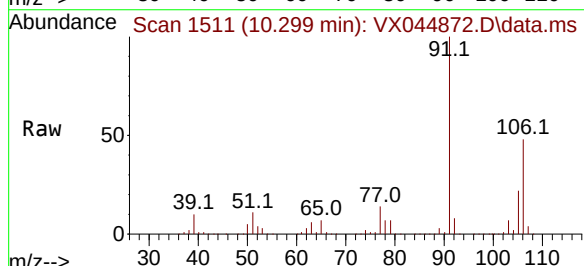
Manual Integrations
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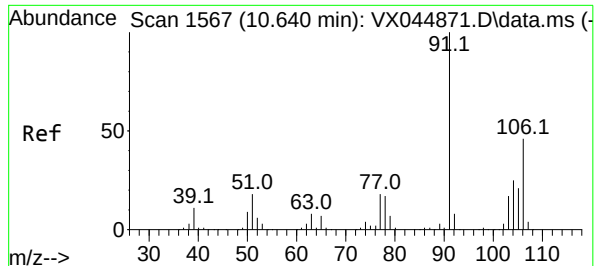
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

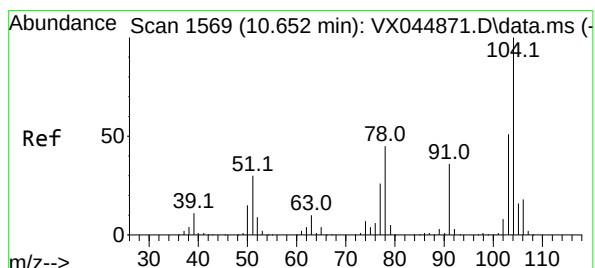
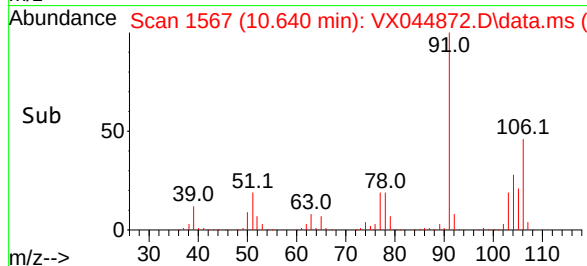
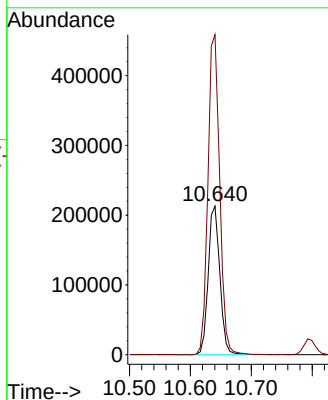
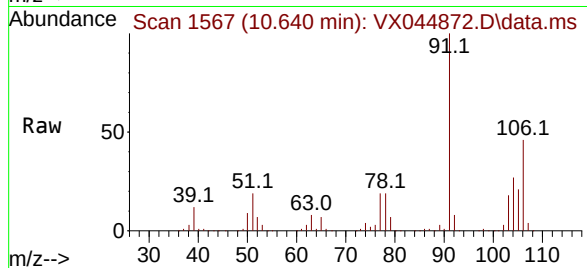
91 217.3 108.5 325.5

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

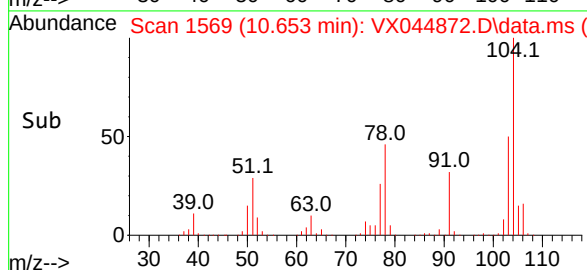
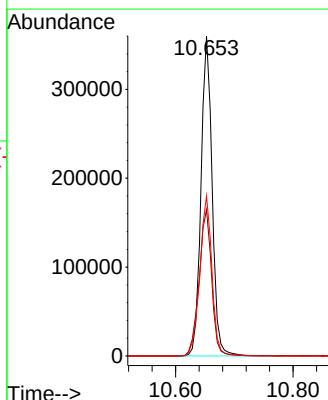
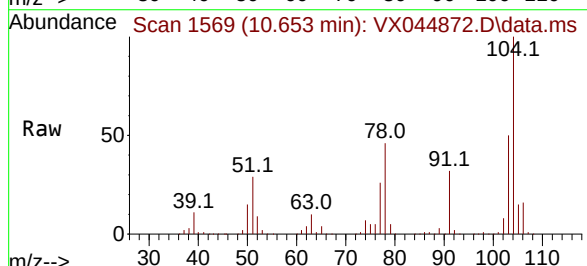
Tgt Ion:104 Resp: 473403

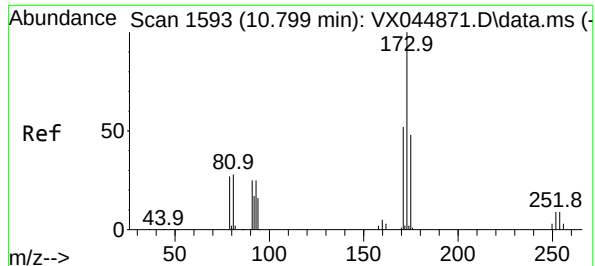
Ion Ratio Lower Upper

104 100

78 51.5 40.5 60.7

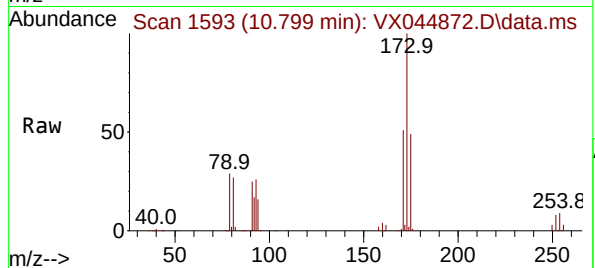
103 54.5 43.6 65.4





#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

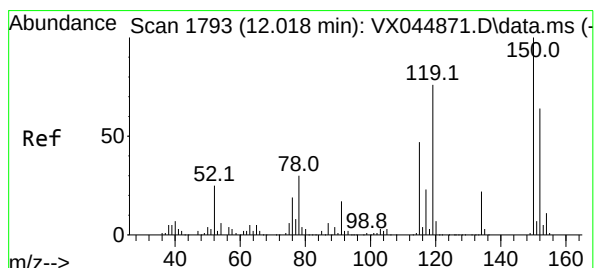
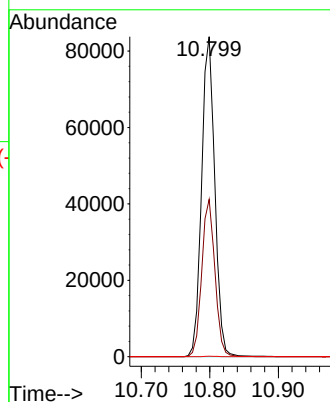
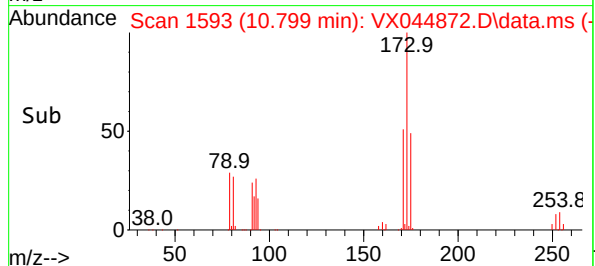
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

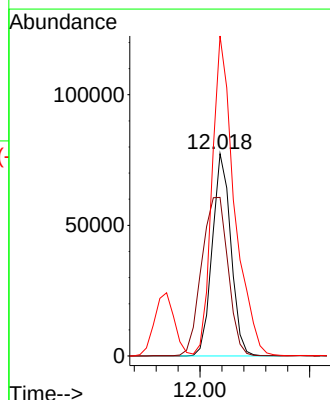
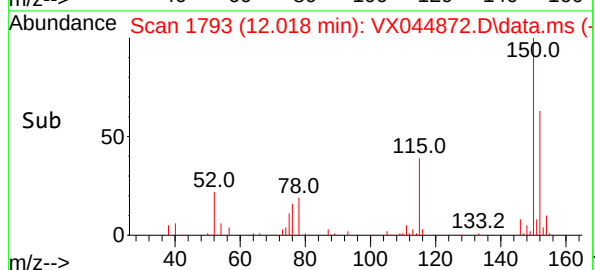
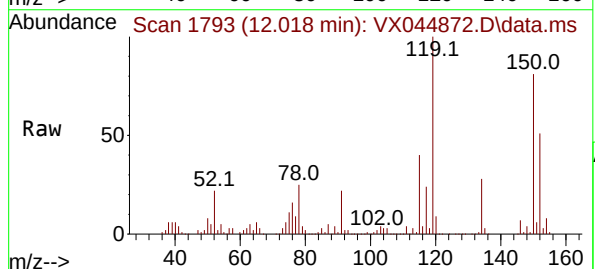
Manual Integrations
APPROVED

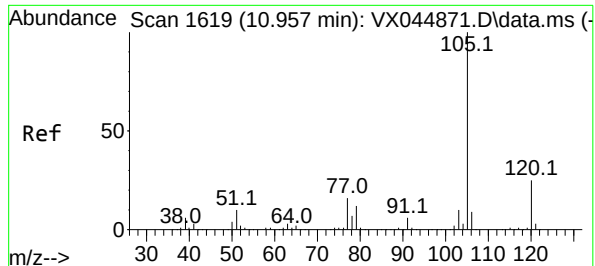
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





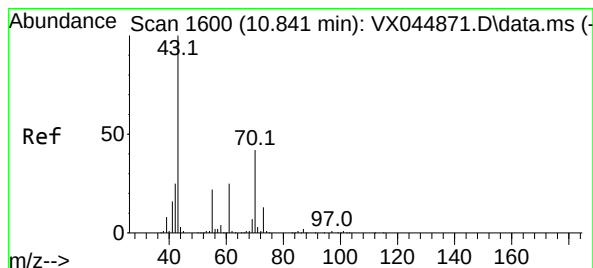
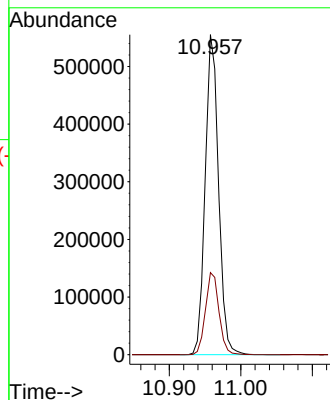
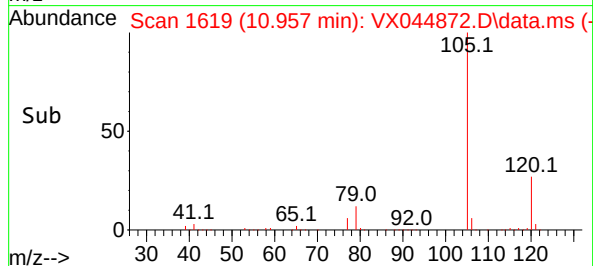
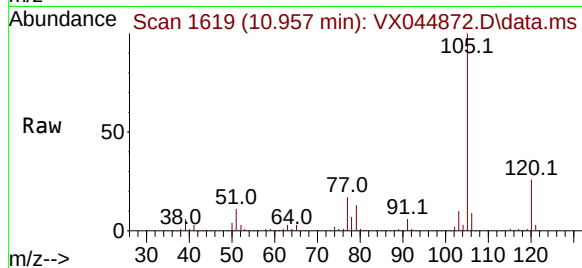
#73
Isopropylbenzene
Concen: 97.854 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 719923
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.5

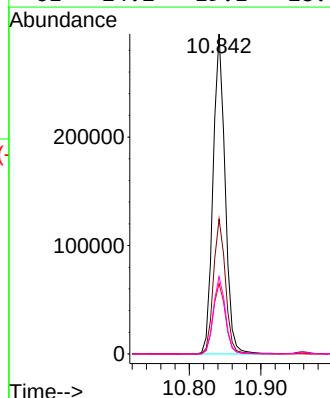
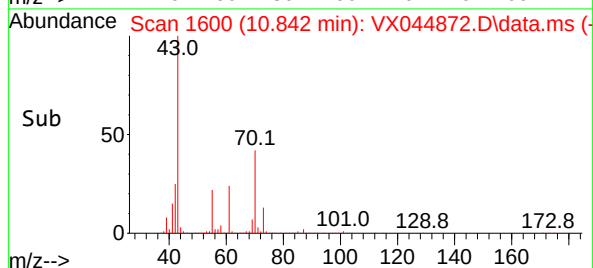
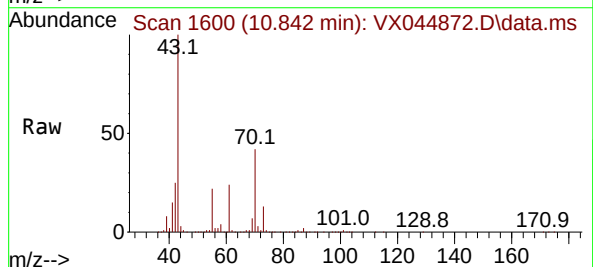
Manual Integrations
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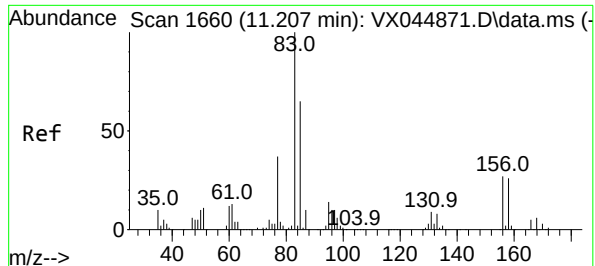
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





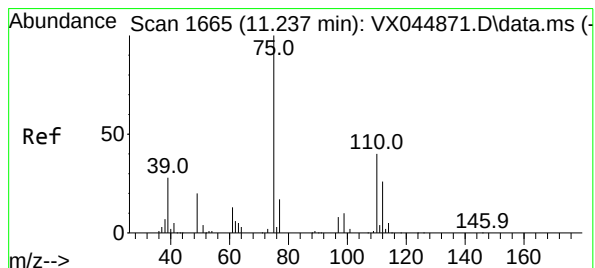
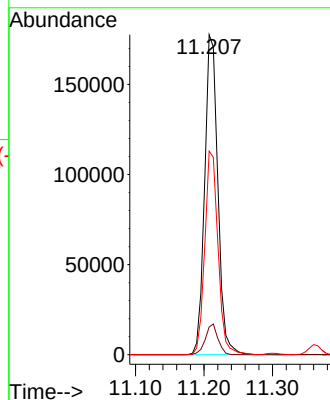
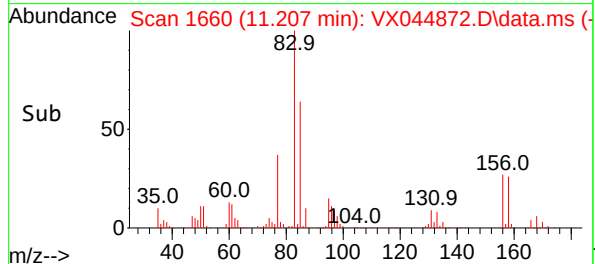
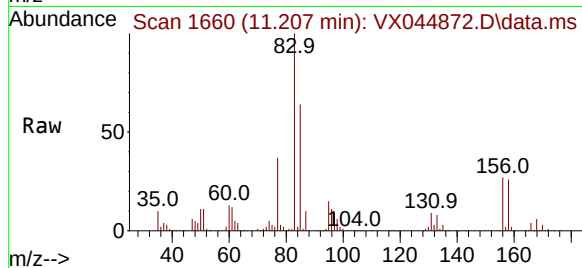
#75
1,1,2,2-Tetrachloroethane
Concen: 94.351 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

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

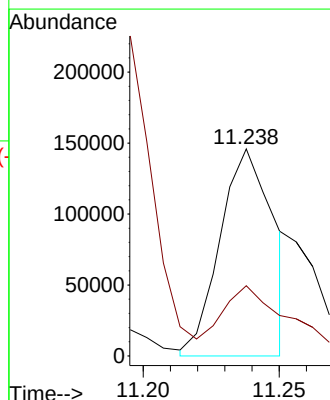
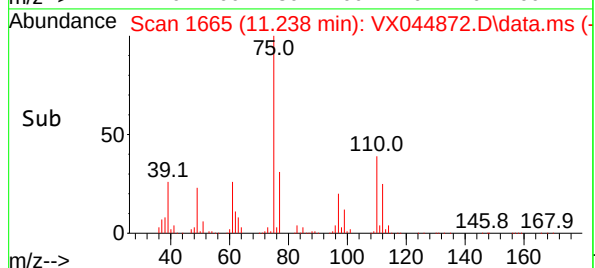
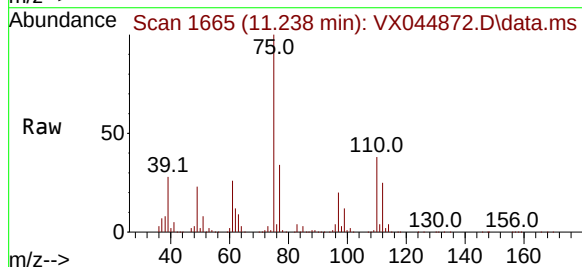
Manual Integrations
APPROVED

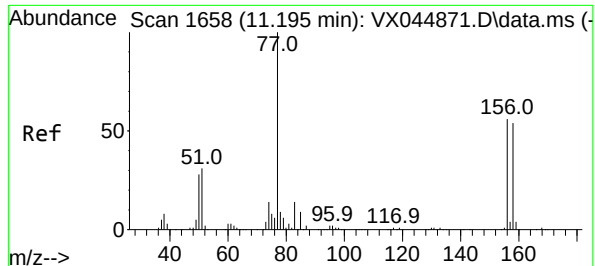
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

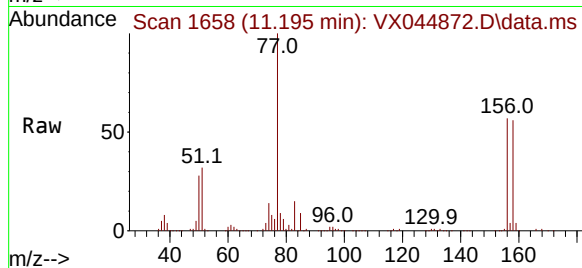
Tgt Ion: 75 Resp: 198320
Ion Ratio Lower Upper
75 100
77 43.4 21.9 65.7





#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

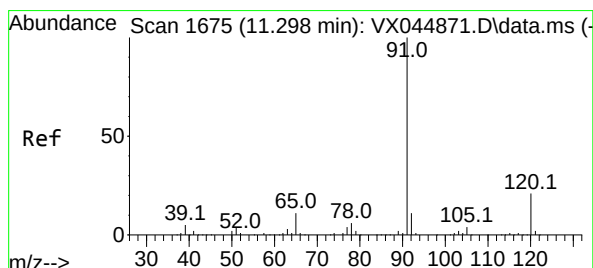
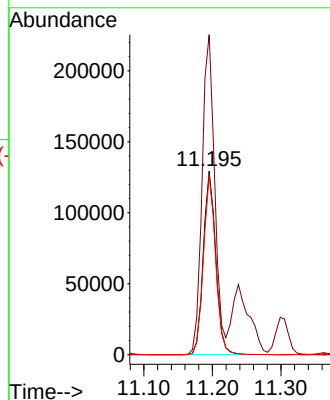
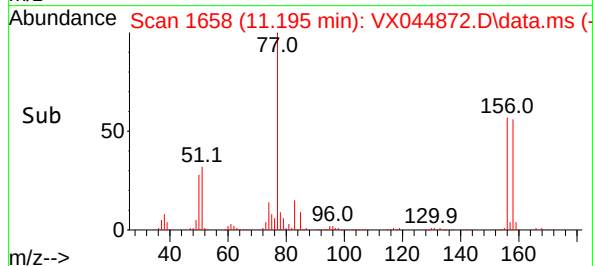
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



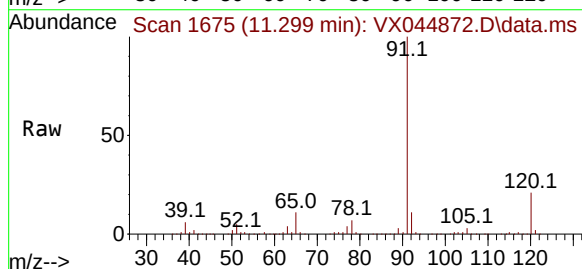
Tgt Ion: 156 Resp: 16384
Ion Ratio Lower Upper
156 100
77 176.7 88.4 265.3
158 95.7 48.4 145.2

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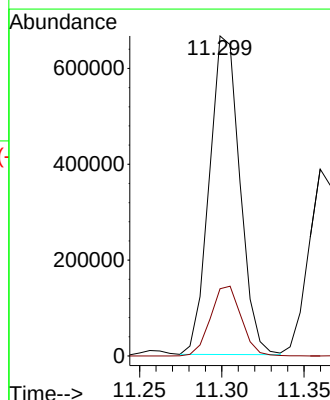
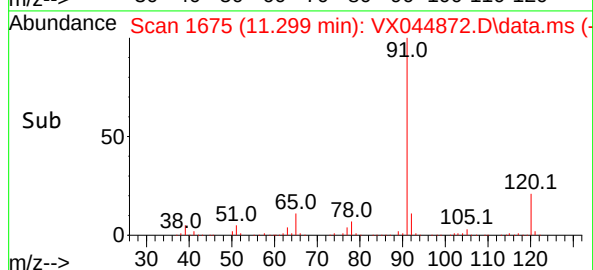
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

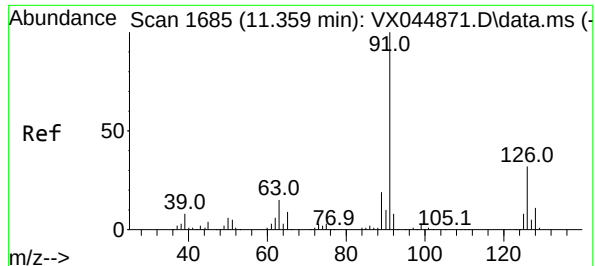


#78
n-propylbenzene
Concen: 101.132 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05



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





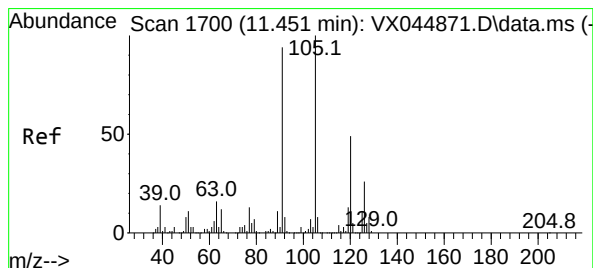
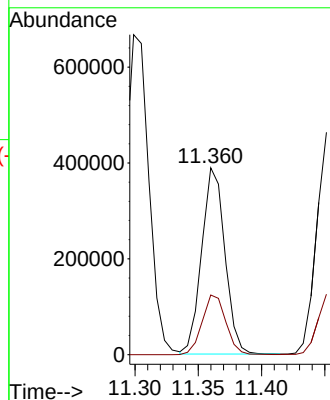
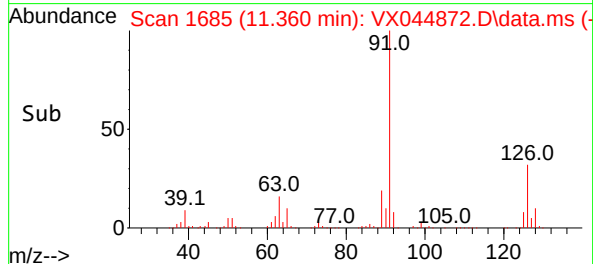
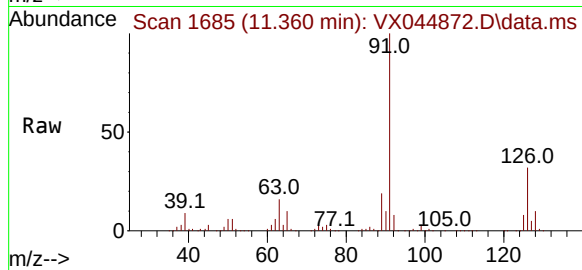
#79
2-Chlorotoluene
Concen: 95.257 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 497149
Ion Ratio Lower Upper
91 100
126 32.8 16.2 48.6

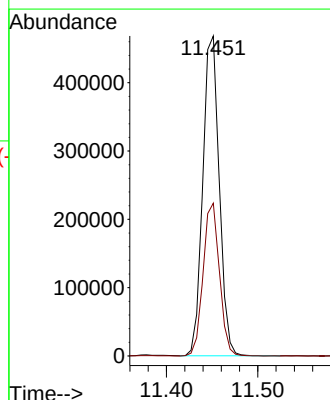
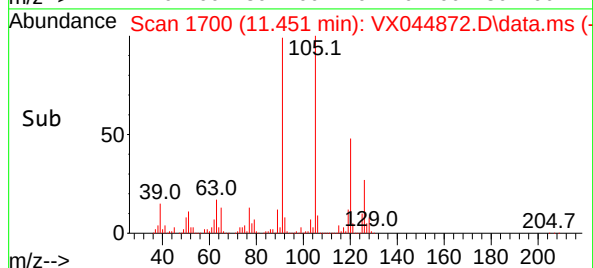
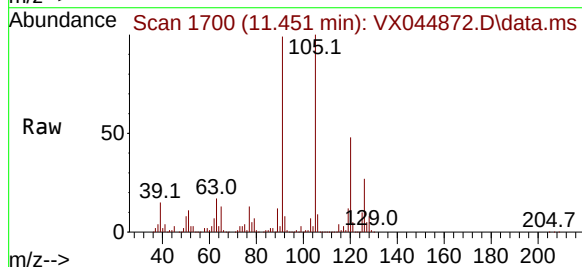
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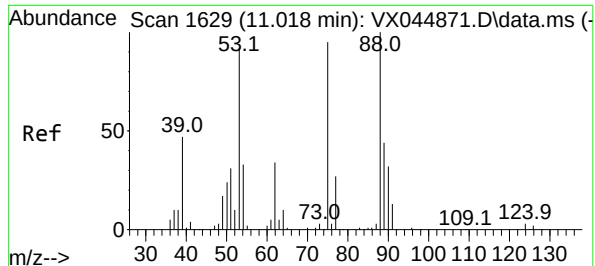
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





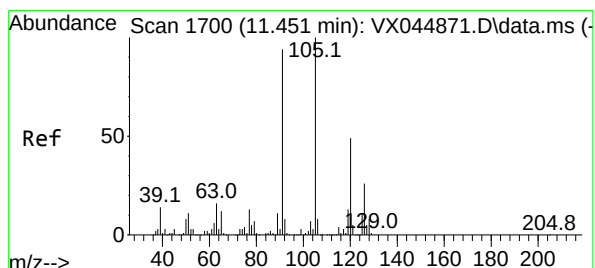
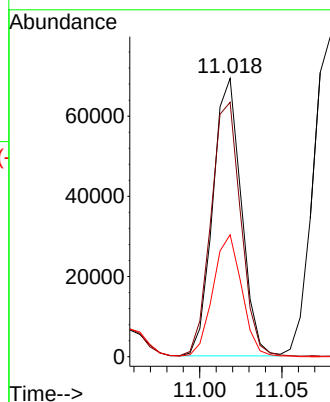
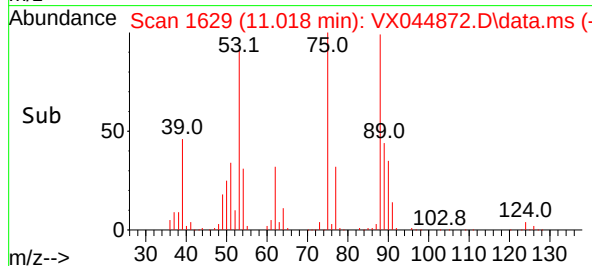
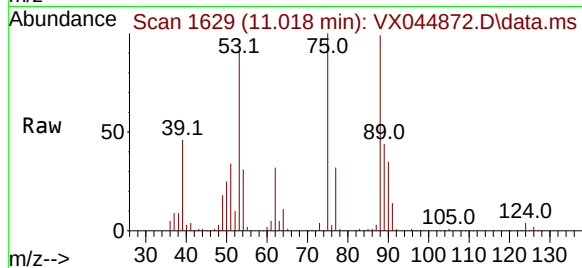
#81
trans-1,4-Dichloro-2-butene
Concen: 106.006 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

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

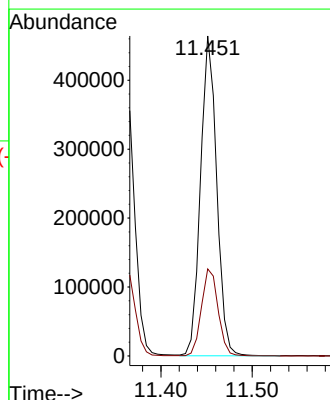
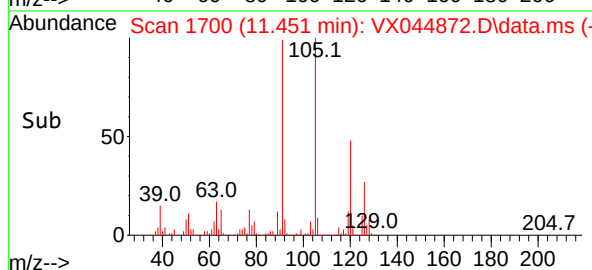
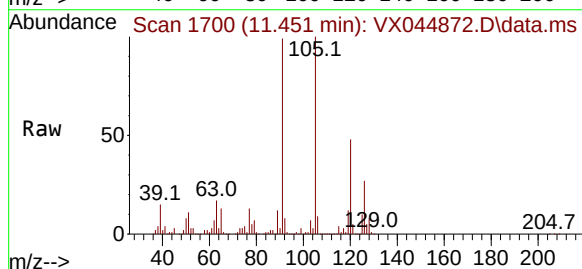
Manual Integrations
APPROVED

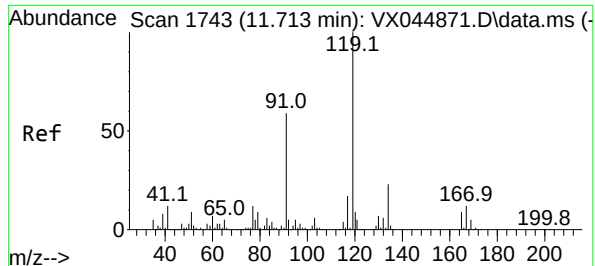
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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 :

VSTDIC100

Tgt Ion:119 Resp: 591390

Ion Ratio Lower Upper

119 100

91 59.2 29.1 87.4

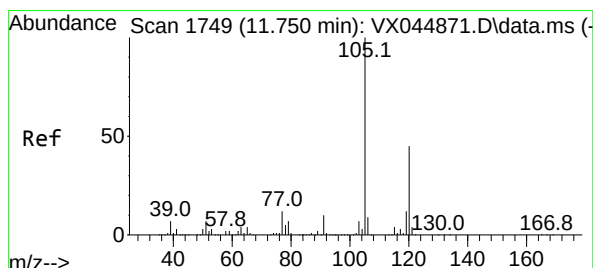
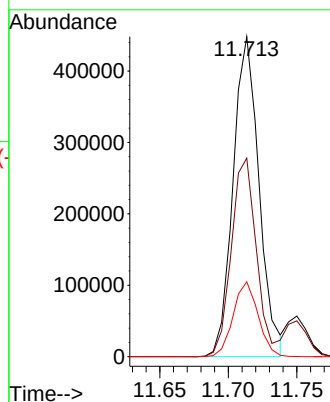
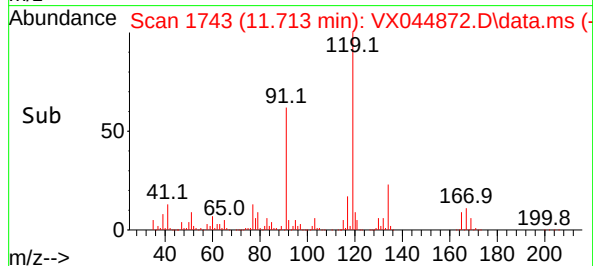
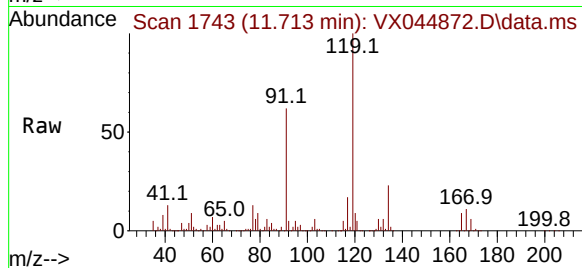
134 22.6 11.5 34.5

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

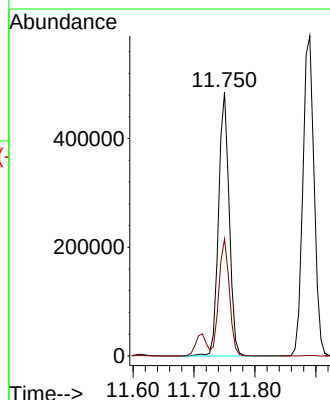
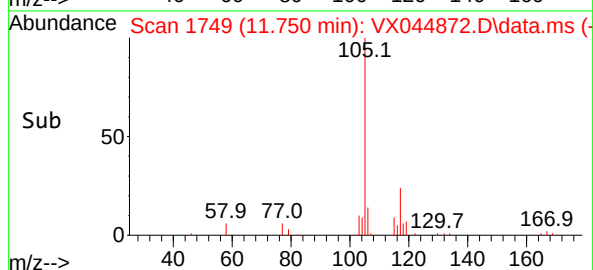
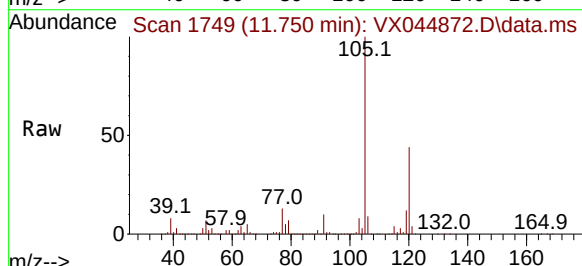
Acq: 10 Feb 2025 12:05

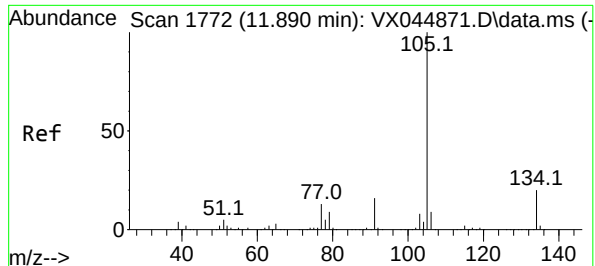
Tgt Ion:105 Resp: 588385

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 :

VSTDIC100

Tgt Ion:105 Resp: 749534

Ion Ratio Lower Upper

105 100

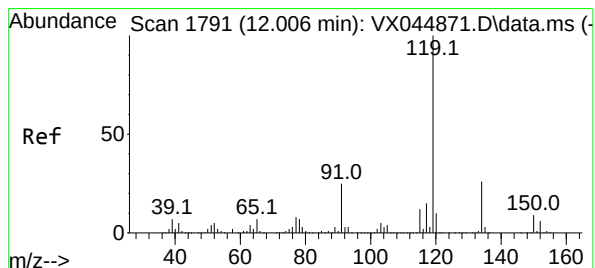
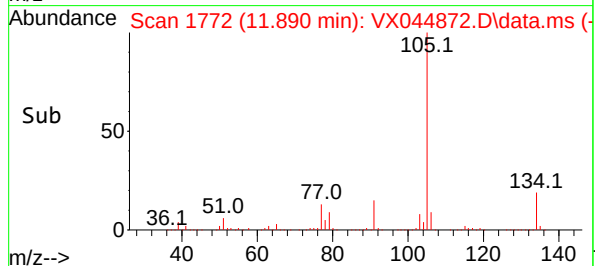
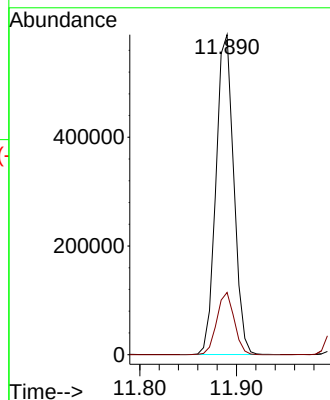
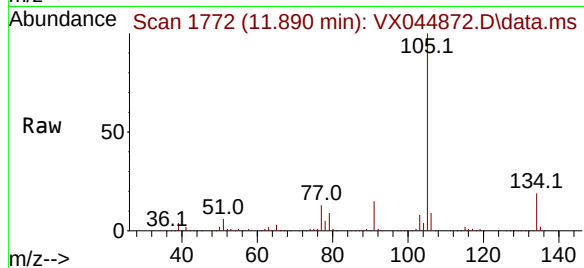
134 19.2 9.8 29.3

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

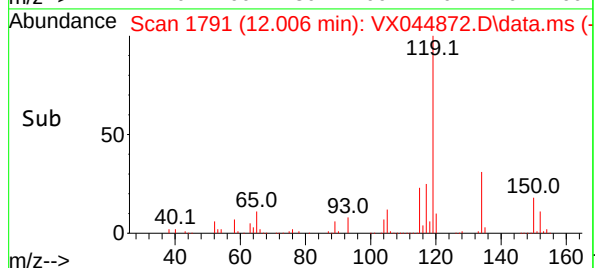
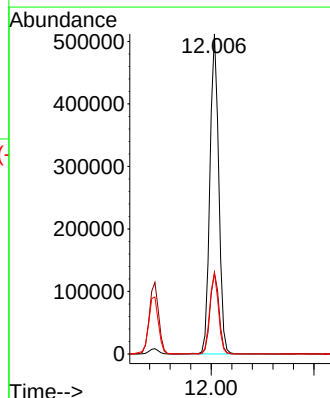
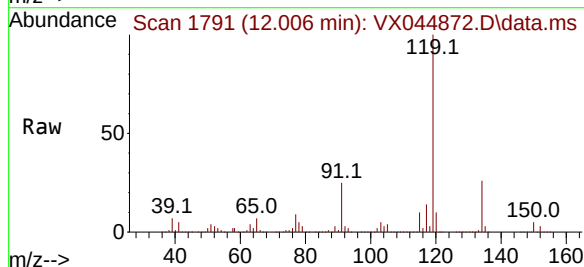
Tgt Ion:119 Resp: 607577

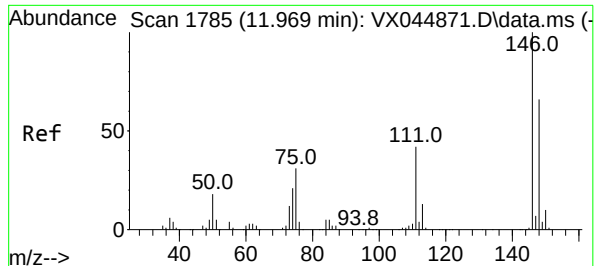
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

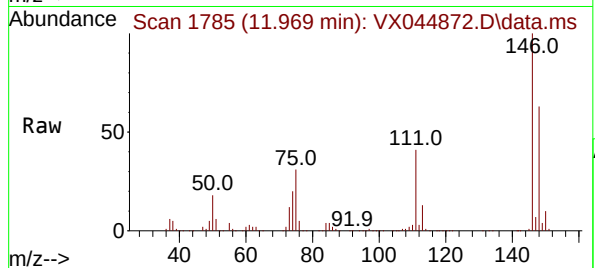
91 25.0 12.1 36.3





#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

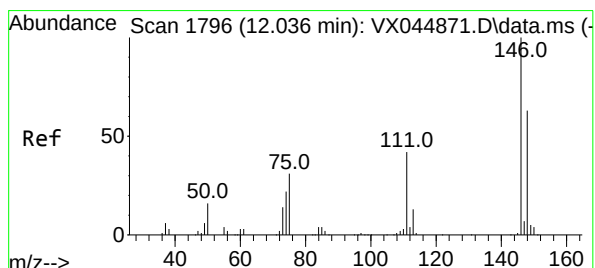
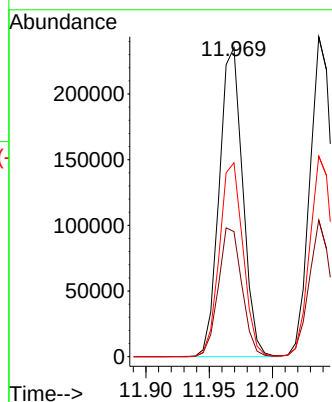
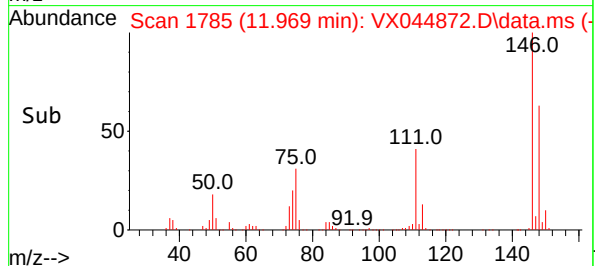
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

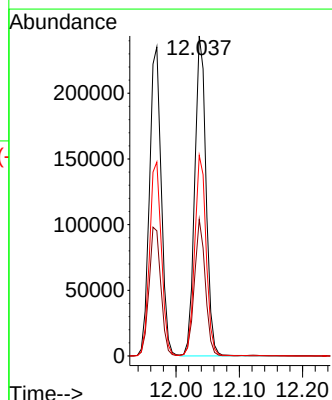
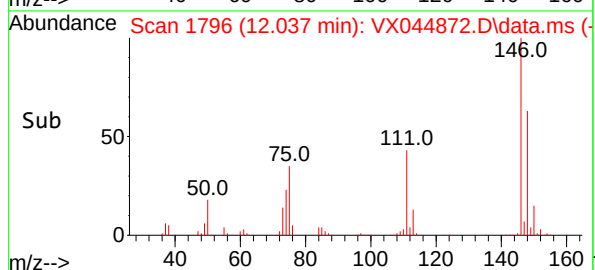
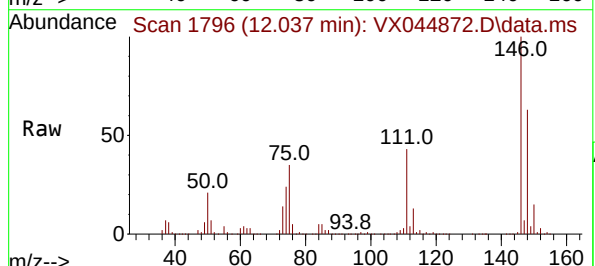
Manual Integrations
APPROVED

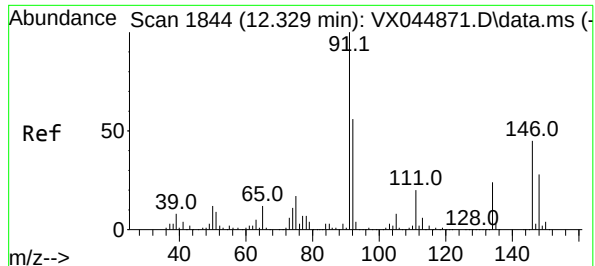
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

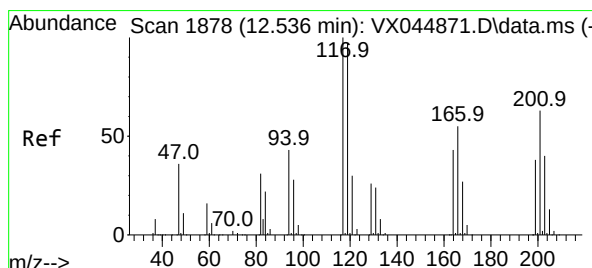
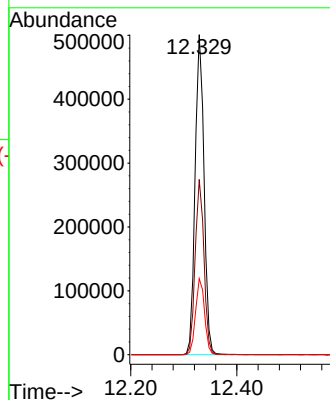
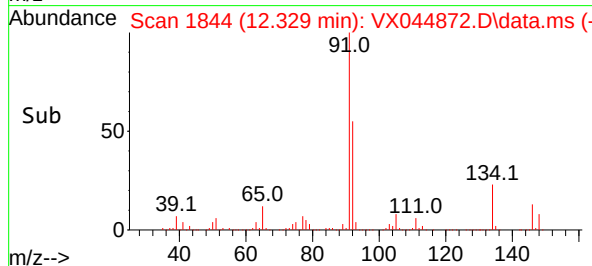
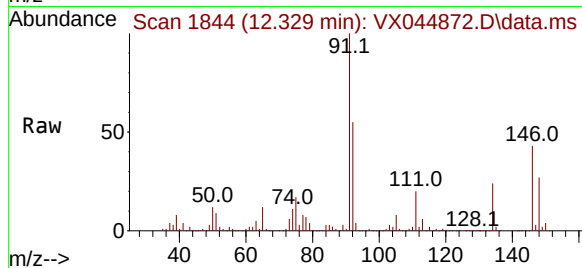
134 24.0 12.1 36.3

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

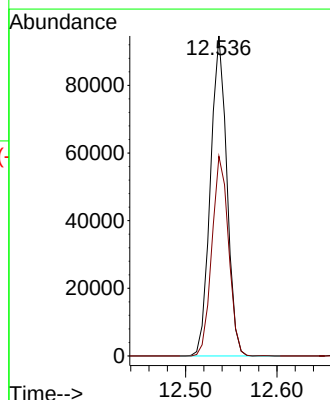
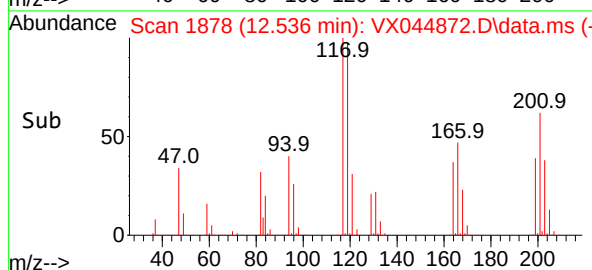
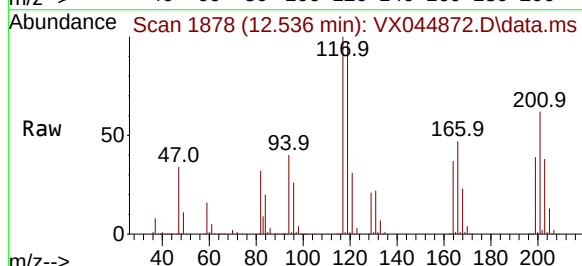
Acq: 10 Feb 2025 12:05

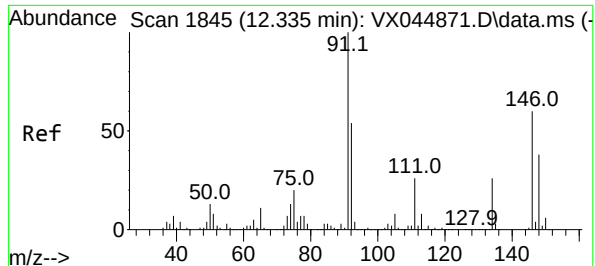
Tgt Ion:117 Resp: 117533

Ion Ratio Lower Upper

117 100

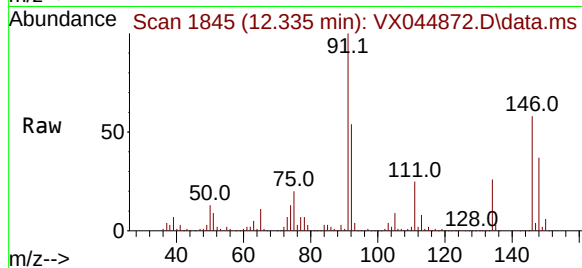
201 63.4 32.5 97.5





#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

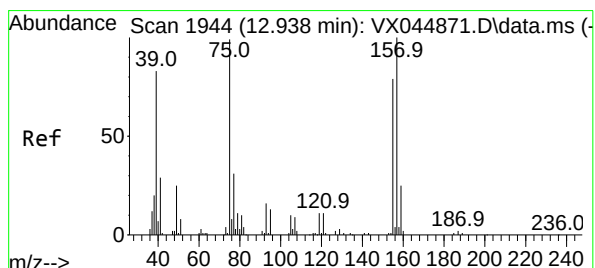
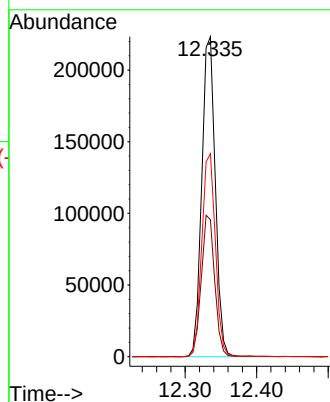
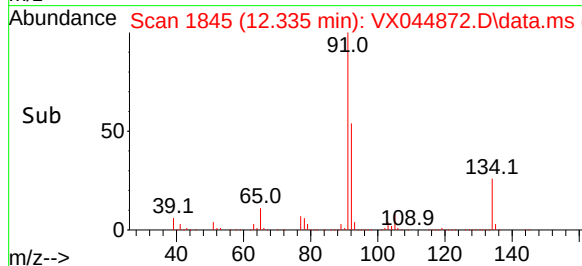
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



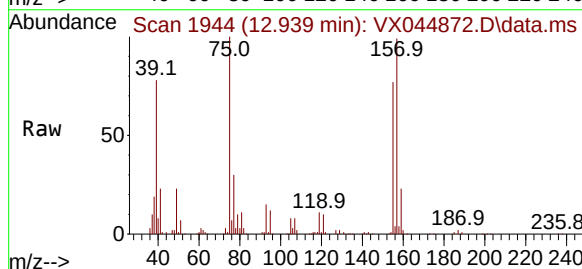
Tgt Ion:146 Resp: 29315
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.4
148 63.9 31.9 95.9

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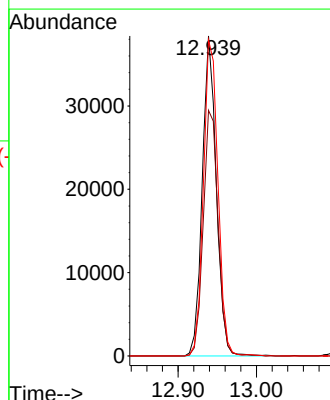
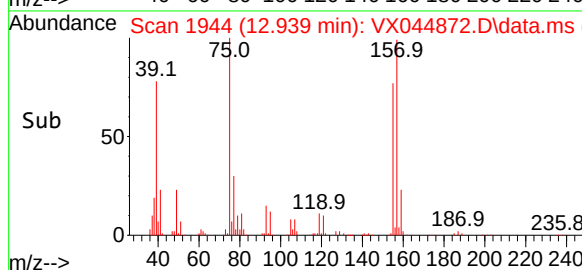
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

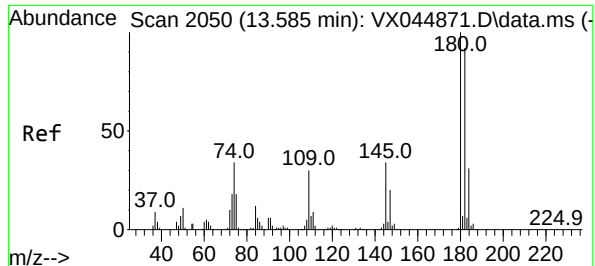


#92
1,2-Dibromo-3-Chloropropane
Concen: 103.477 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05



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 :

VSTDIC100

Tgt Ion:180 Resp: 193214

Ion Ratio Lower Upper

180 100

182 94.8 47.6 142.8

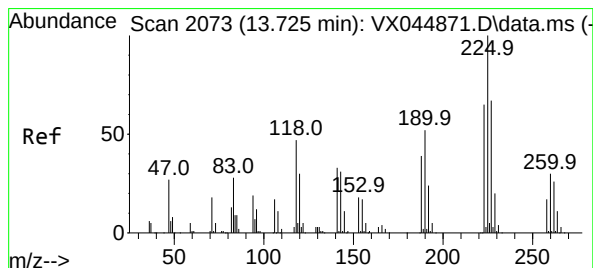
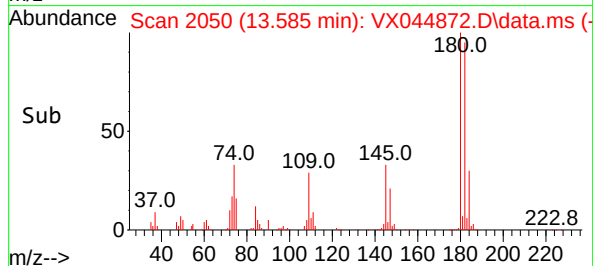
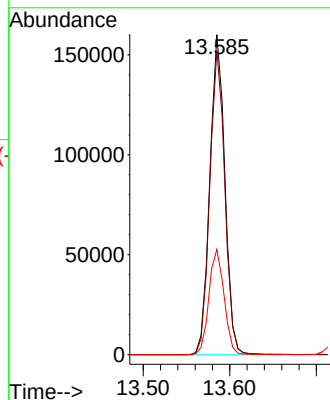
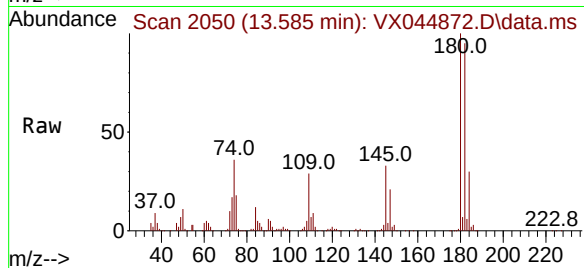
145 33.2 16.4 49.1

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

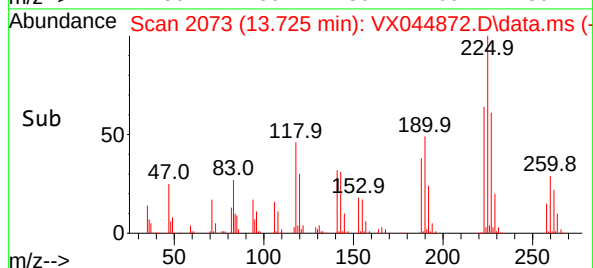
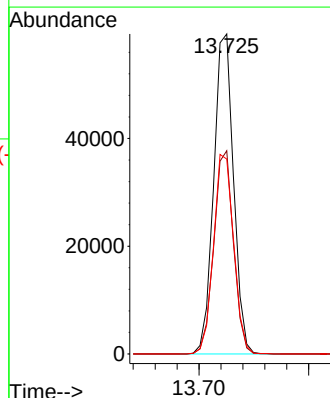
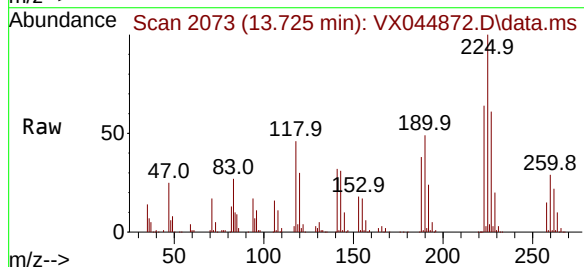
Tgt Ion:225 Resp: 74605

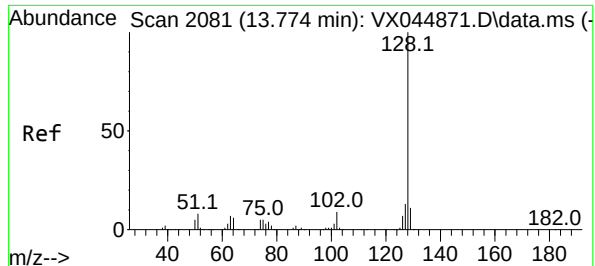
Ion Ratio Lower Upper

225 100

223 62.9 31.4 94.2

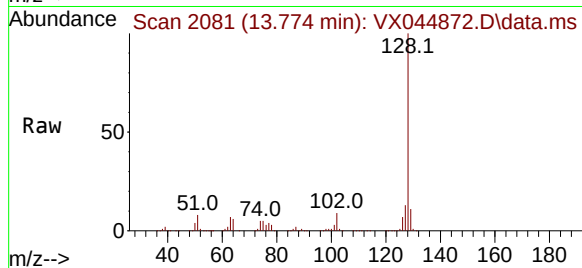
227 63.5 32.3 96.8





#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

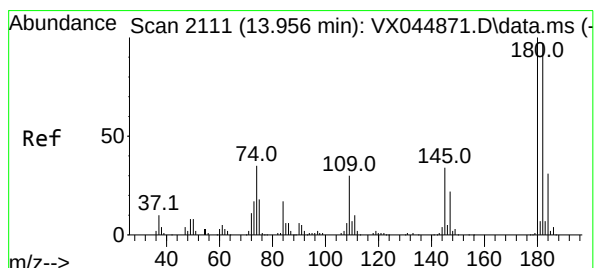
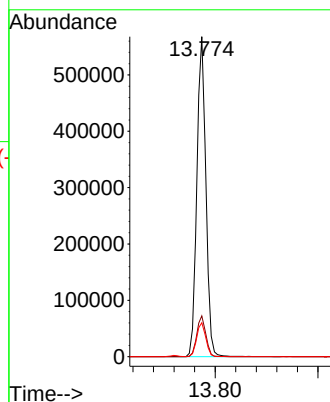
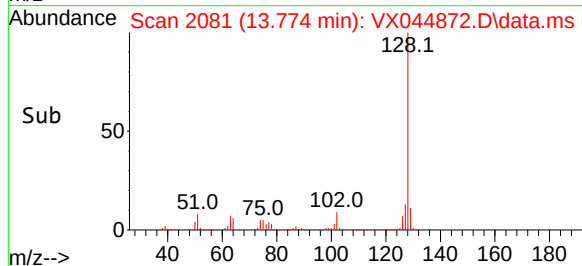
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

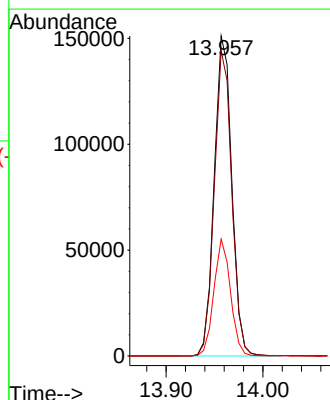
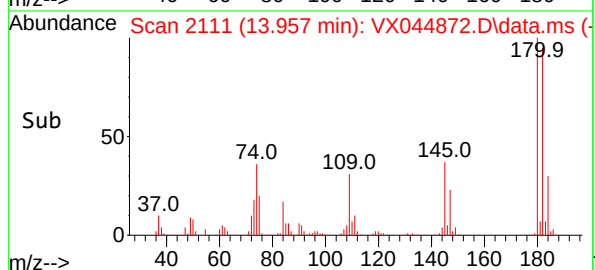
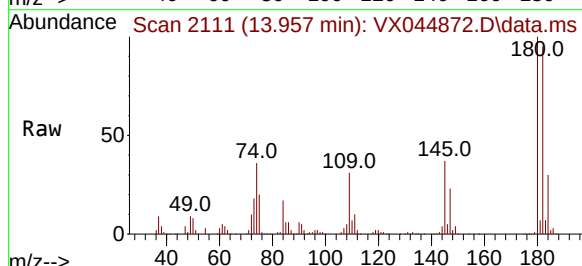
Manual Integrations
APPROVED

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

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)

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

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)

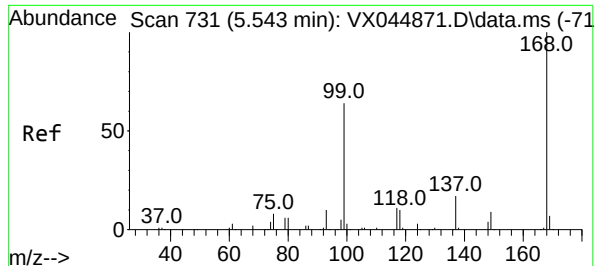
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

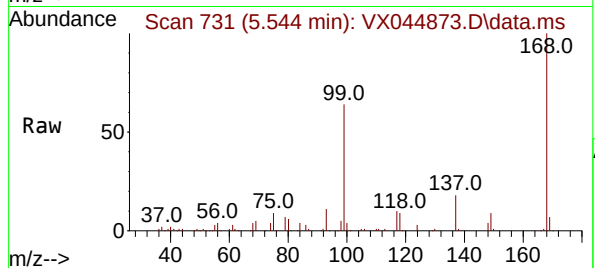
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025





#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

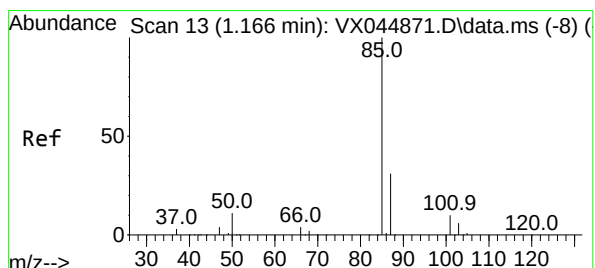
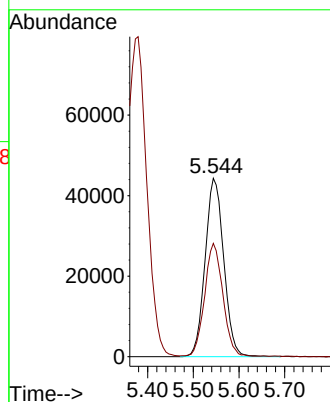
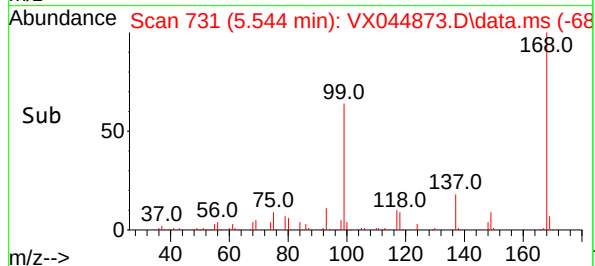
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:168 Resp: 12525
Ion Ratio Lower Upper
168 100
99 63.2 51.2 76.8

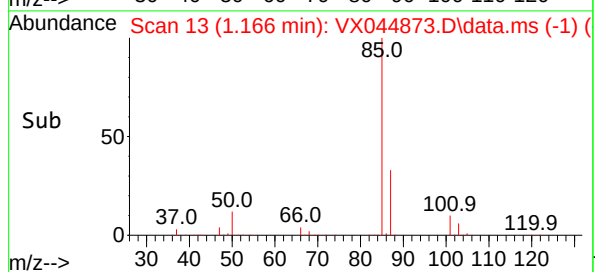
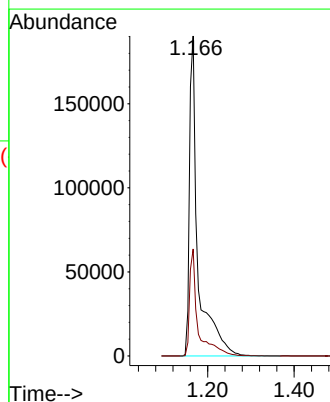
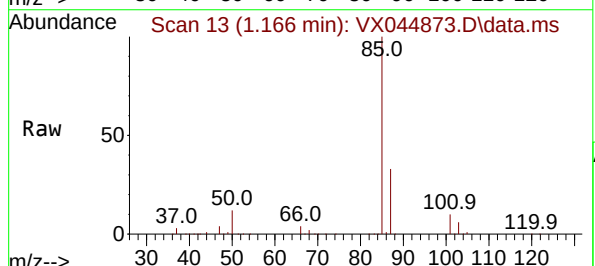
Manual Integrations
APPROVED

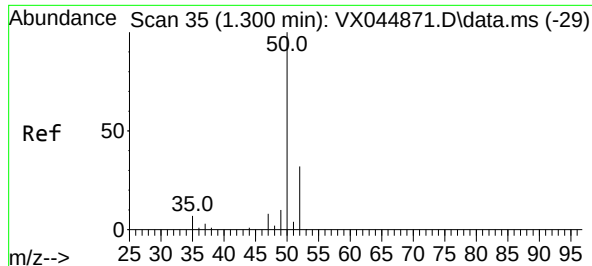
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





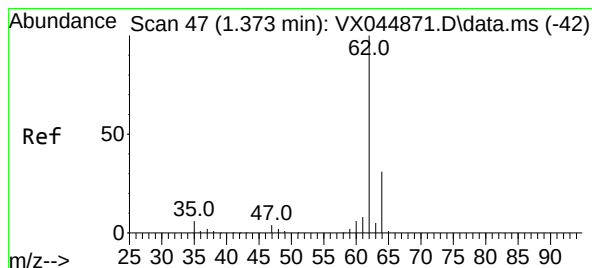
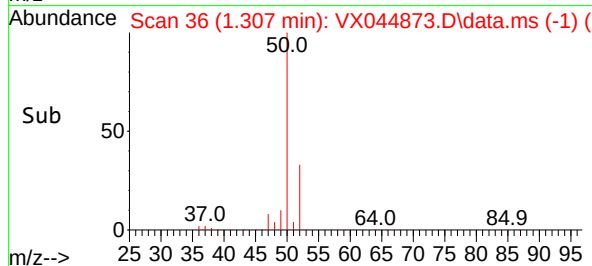
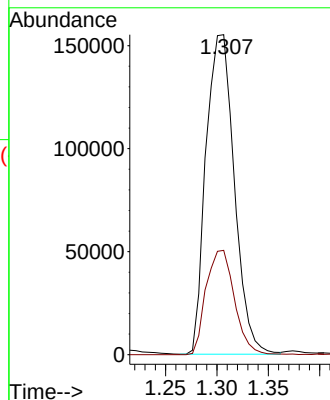
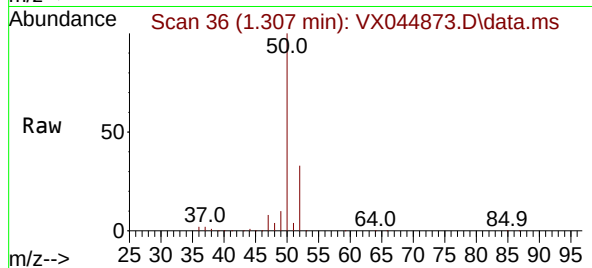
#3
Chloromethane
Concen: 139.361 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

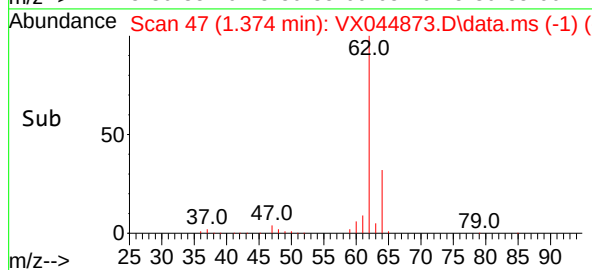
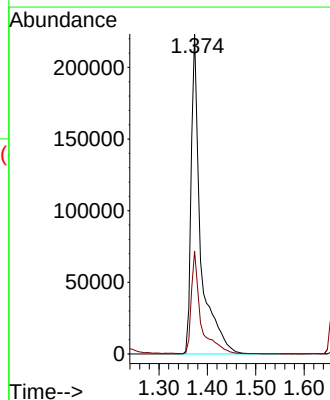
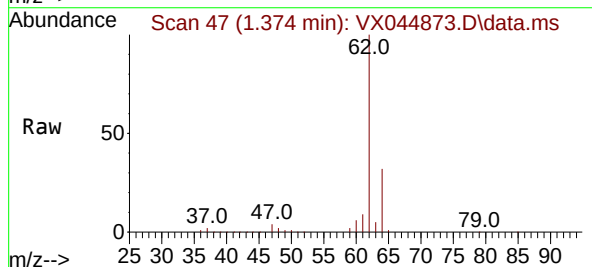
Manual Integrations
APPROVED

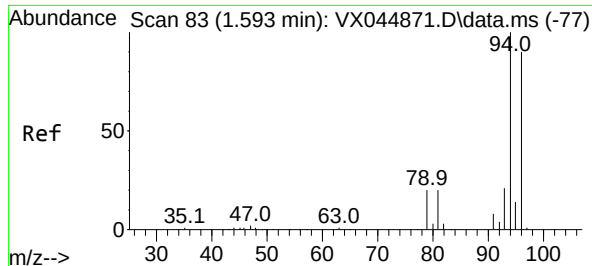
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





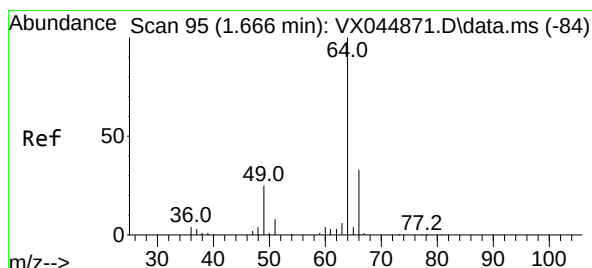
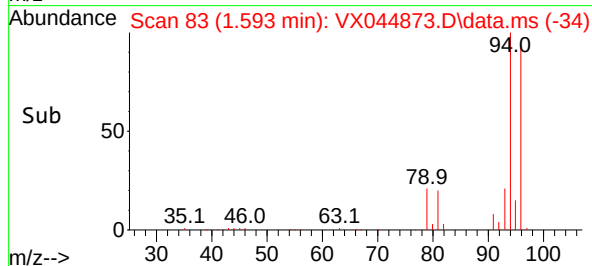
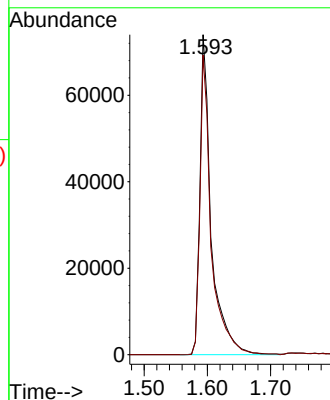
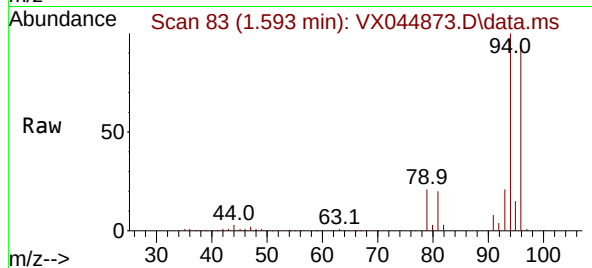
#5
Bromomethane
Concen: 149.071 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

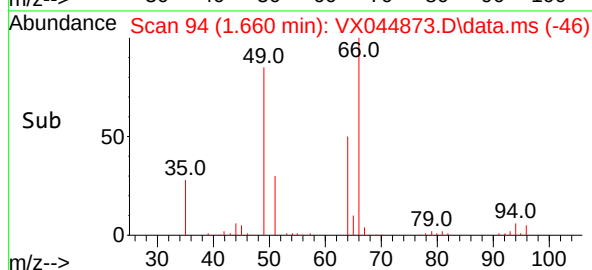
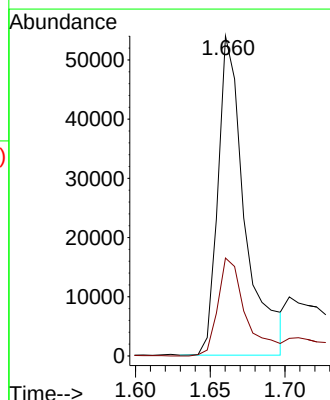
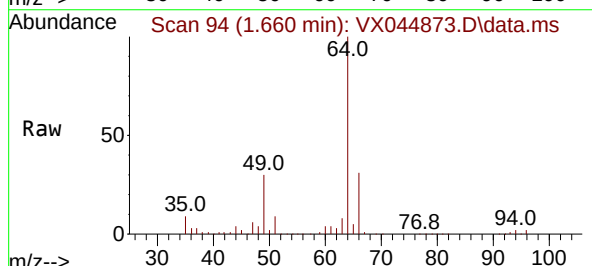
Manual Integrations
APPROVED

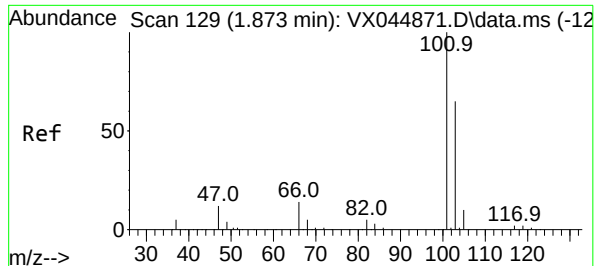
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





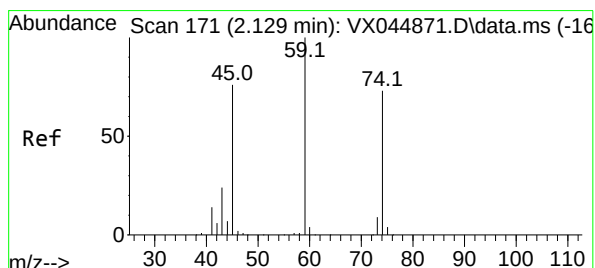
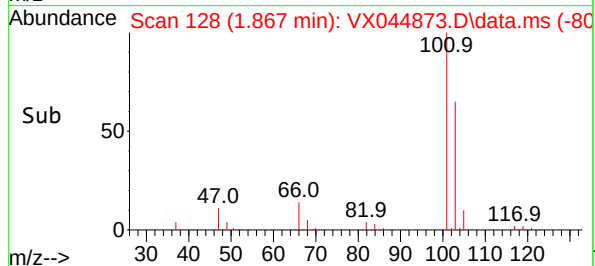
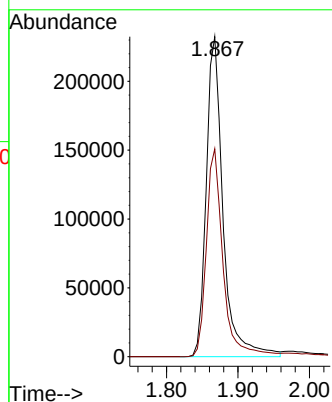
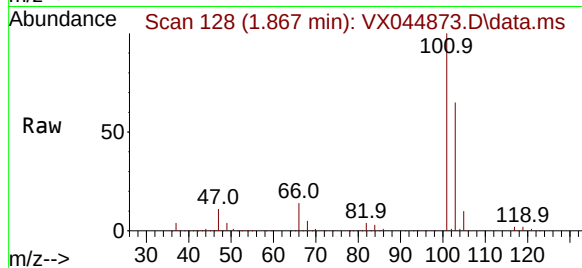
#7
Trichlorofluoromethane
Concen: 144.558 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

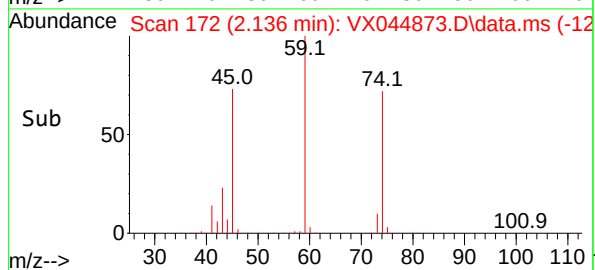
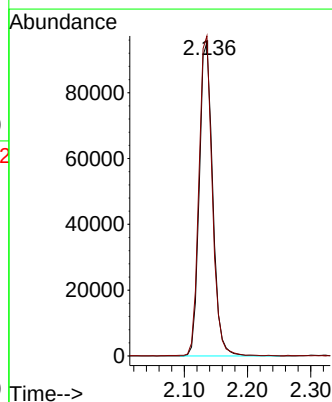
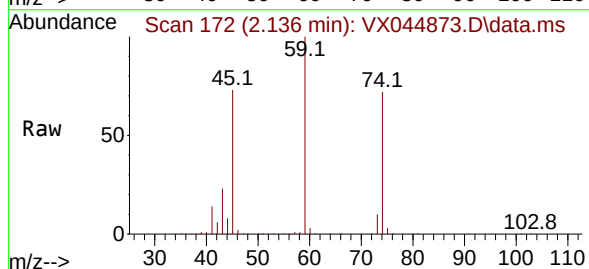
Manual Integrations
APPROVED

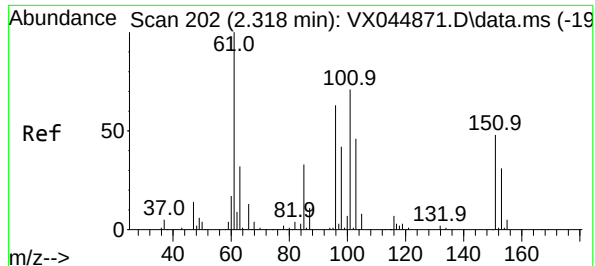
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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 :

VSTDIC150

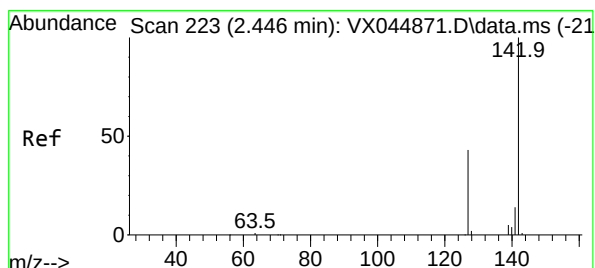
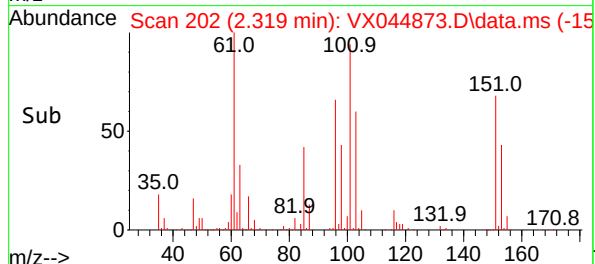
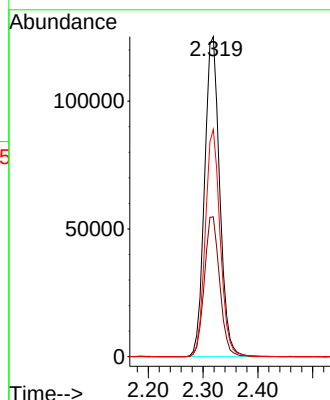
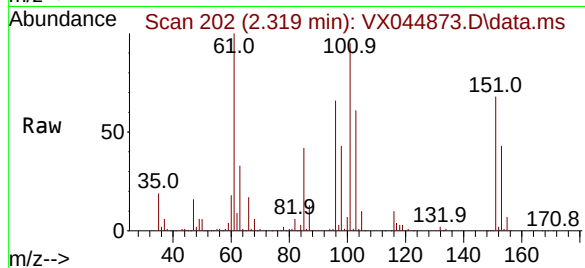
Tgt Ion:101	Resp: 239215
Ion Ratio	Lower Upper
101 100	
85 44.5	35.7 53.5
151 70.2	56.0 84.0

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

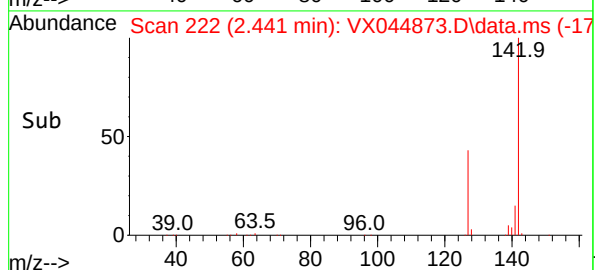
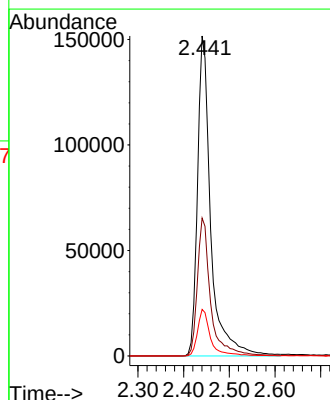
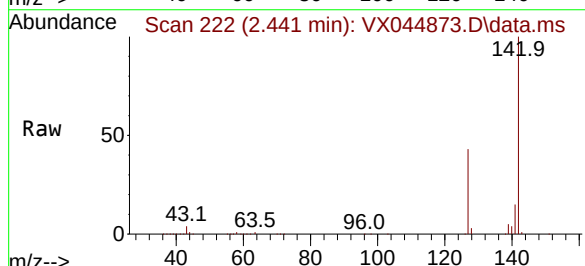
RT: 2.441 min Scan# 222

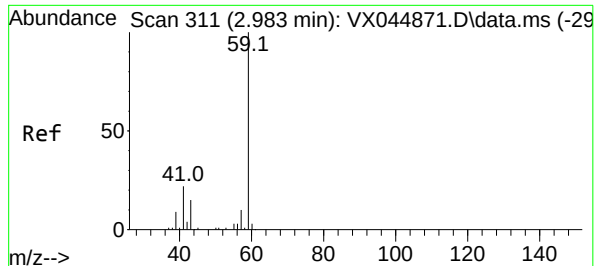
Delta R.T. -0.006 min

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

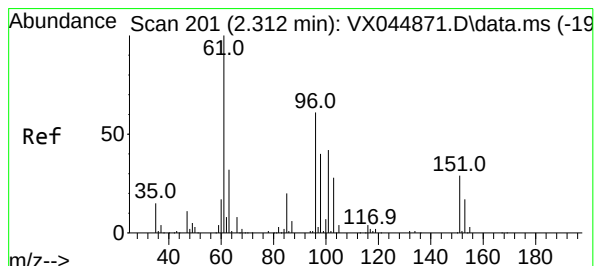
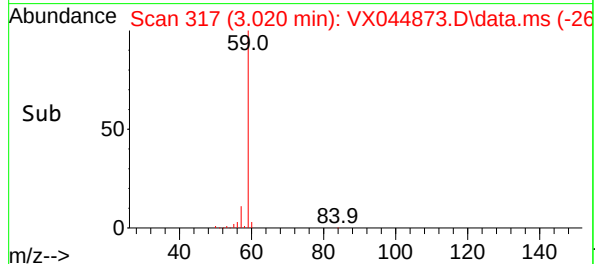
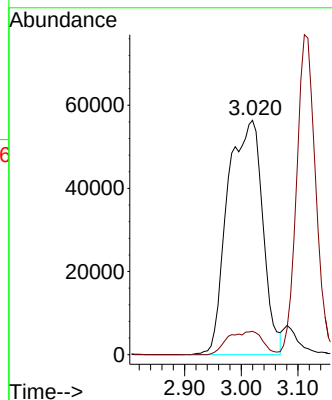
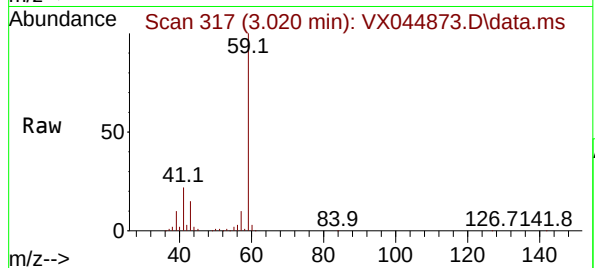
57 9.9 8.1 12.1

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

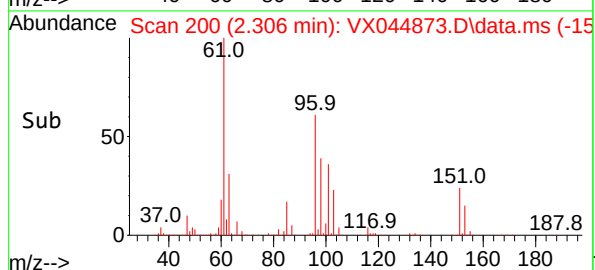
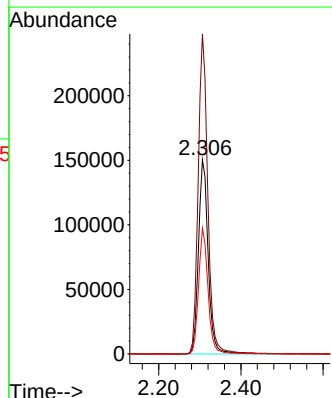
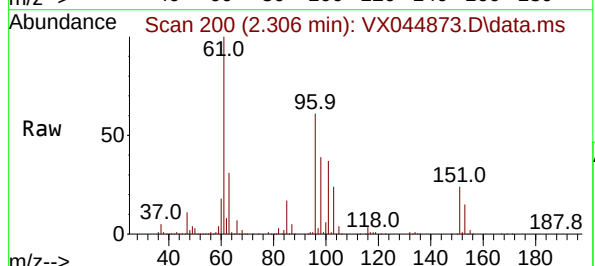
Tgt Ion: 96 Resp: 246987

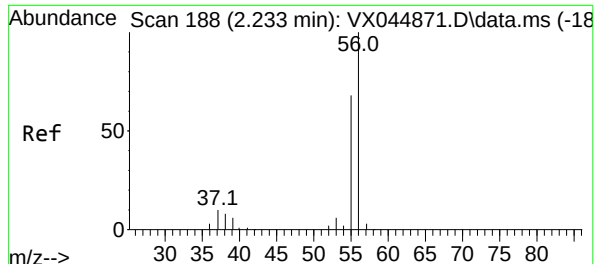
Ion Ratio Lower Upper

96 100

61 164.9 130.2 195.4

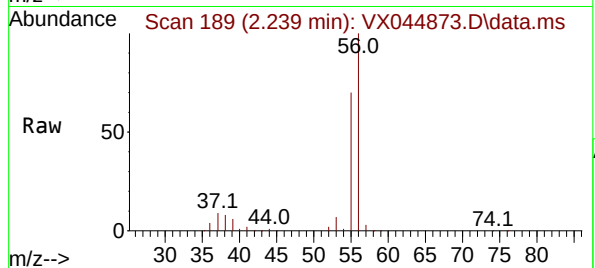
98 64.8 52.2 78.4





#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

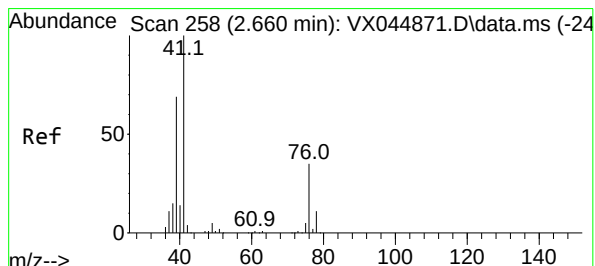
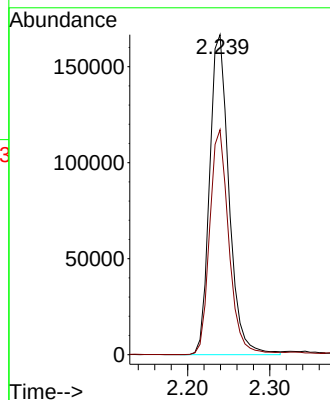
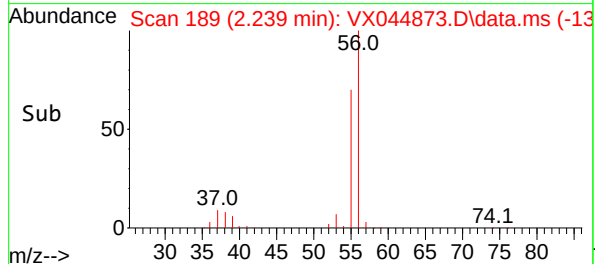
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



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

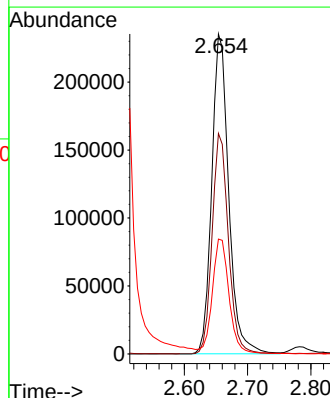
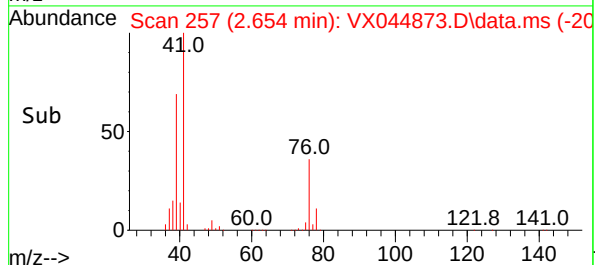
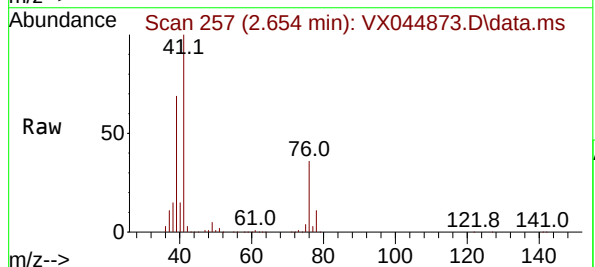
Manual Integrations
APPROVED

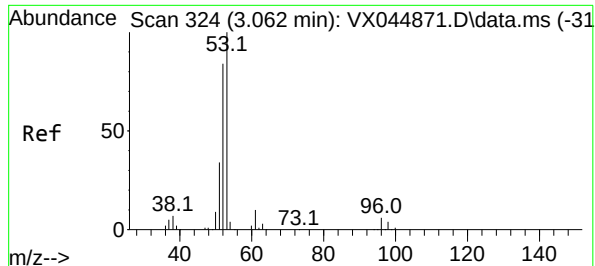
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#14
Allyl chloride
Concen: 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

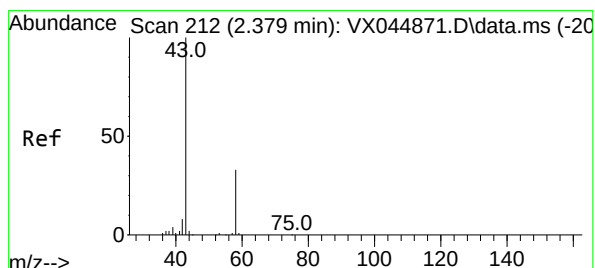
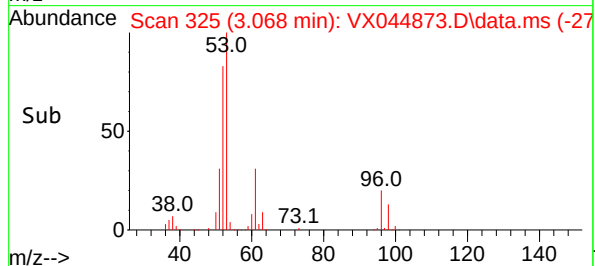
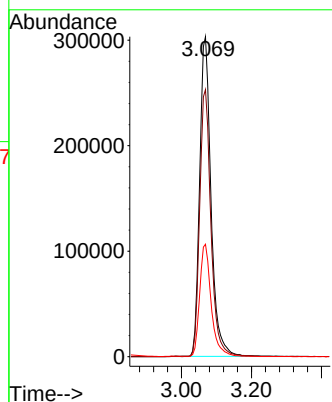
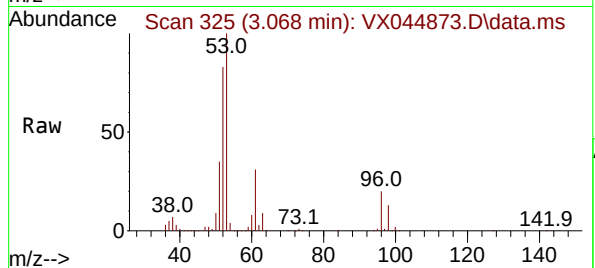
51 35.2 28.0 42.0

Manual Integrations

APPROVED

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

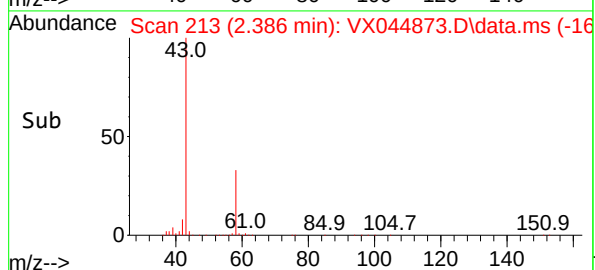
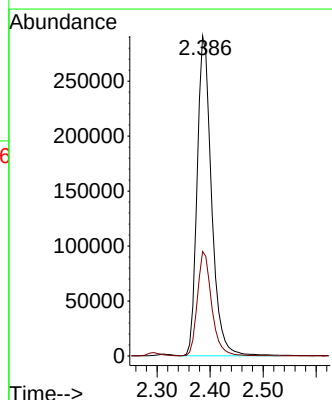
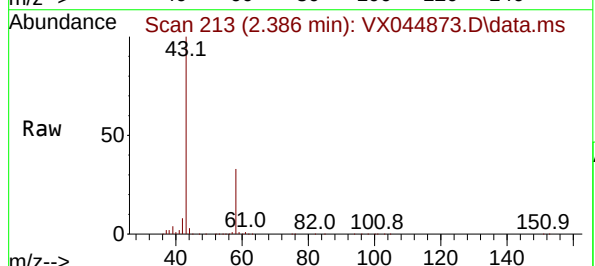
Acq: 10 Feb 2025 12:28

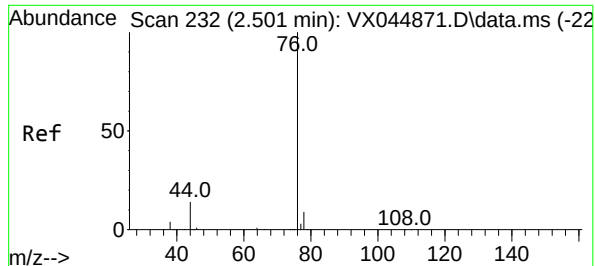
Tgt Ion: 43 Resp: 547939

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

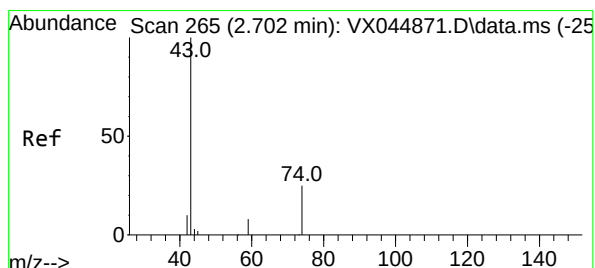
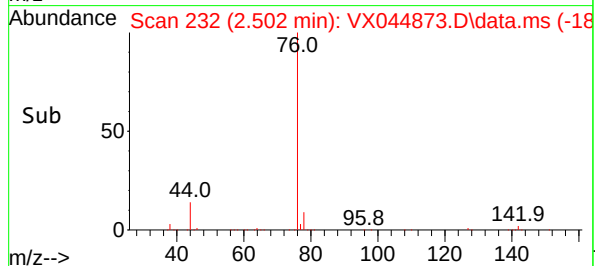
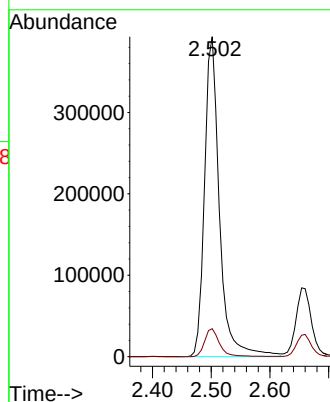
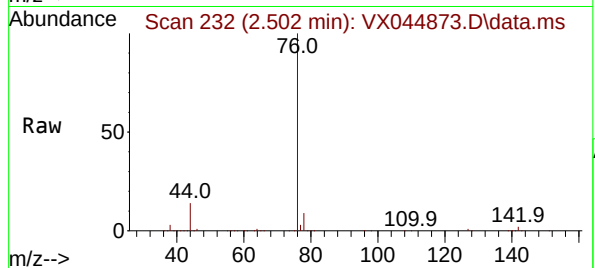
78 8.8 7.0 10.4

Manual Integrations

APPROVED

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

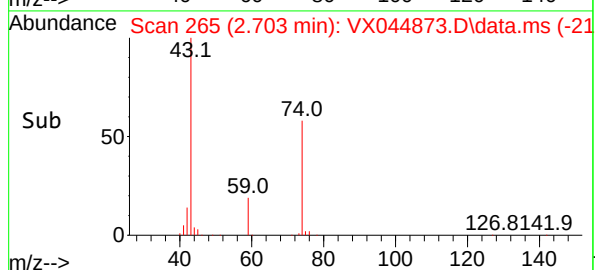
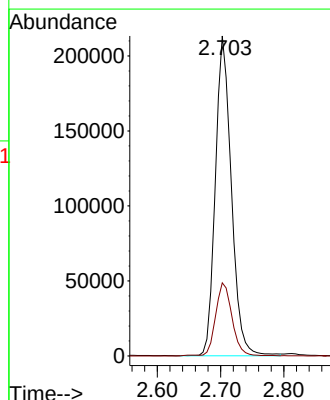
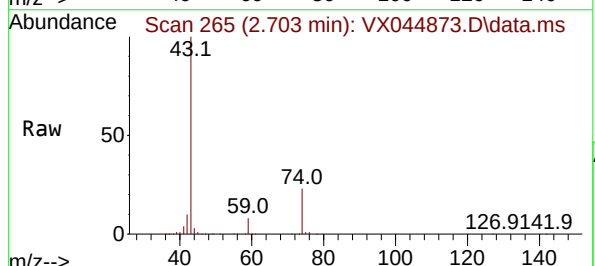
Acq: 10 Feb 2025 12:28

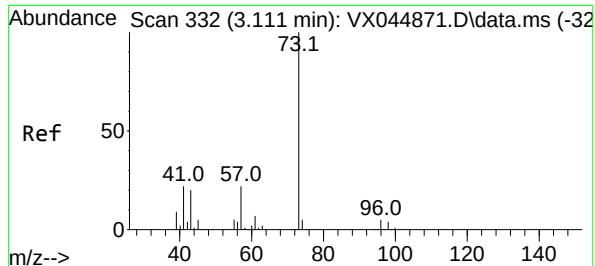
Tgt Ion: 43 Resp: 373877

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# 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

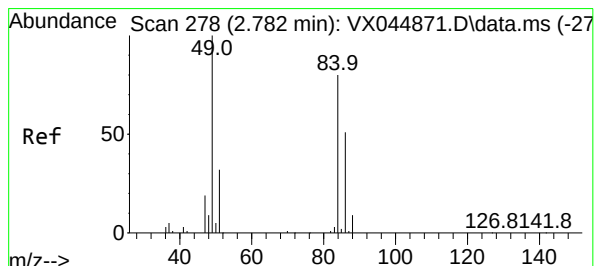
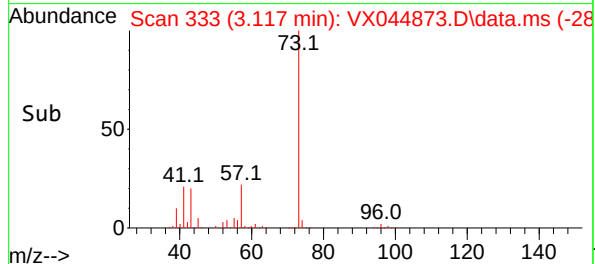
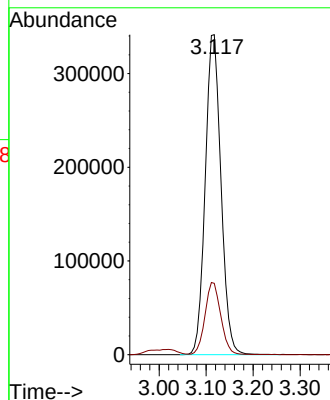
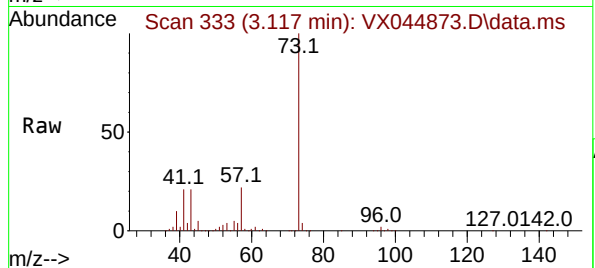
57 22.3 17.9 26.9

Manual Integrations

APPROVED

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

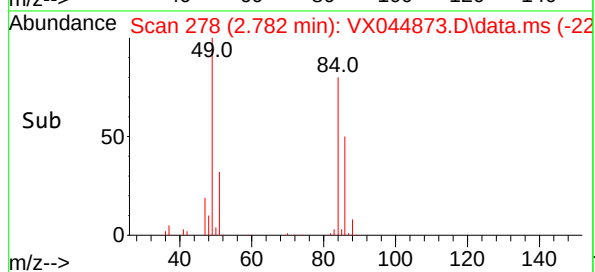
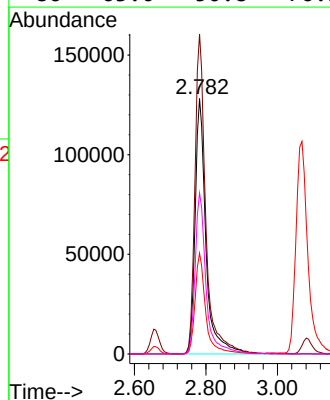
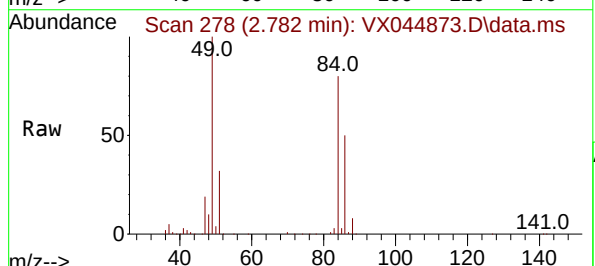
Ion Ratio Lower Upper

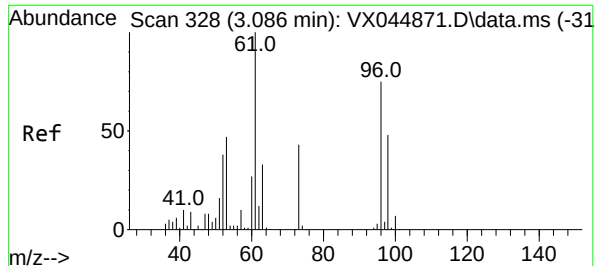
84 100

49 125.2 100.1 150.1

51 39.5 31.7 47.5

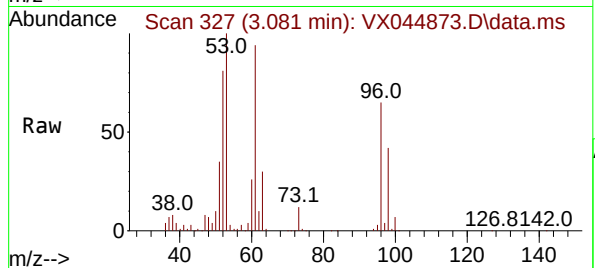
86 63.0 50.8 76.2





#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

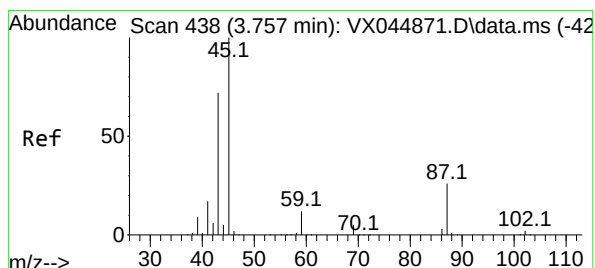
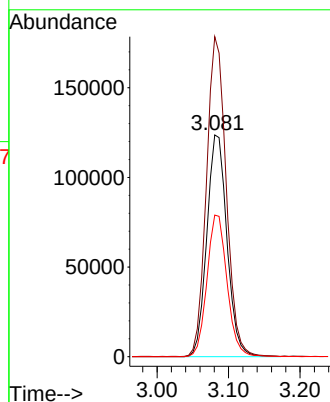
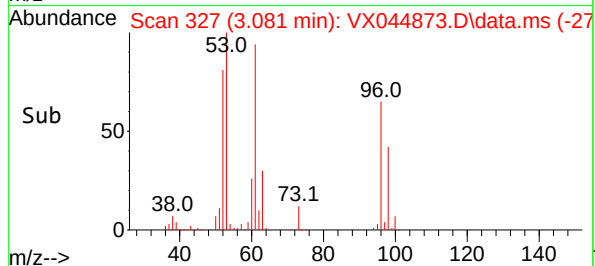
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



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

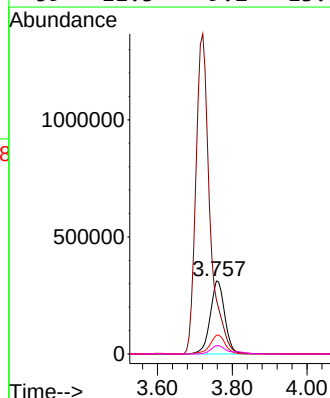
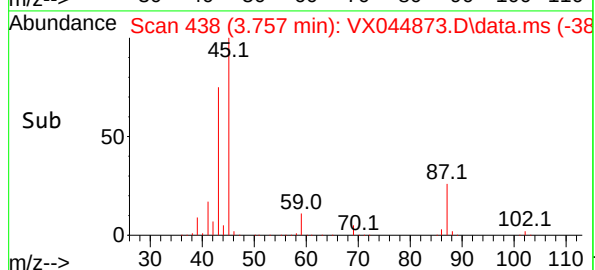
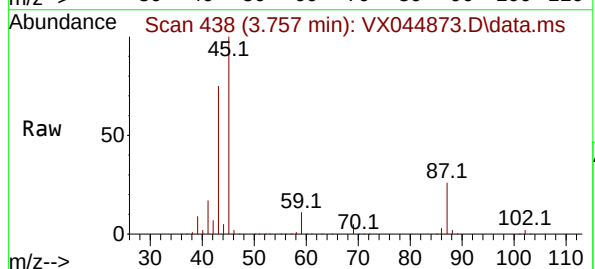
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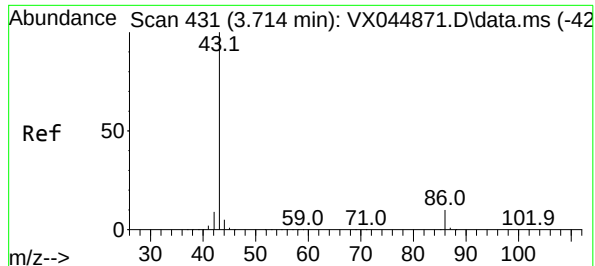
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





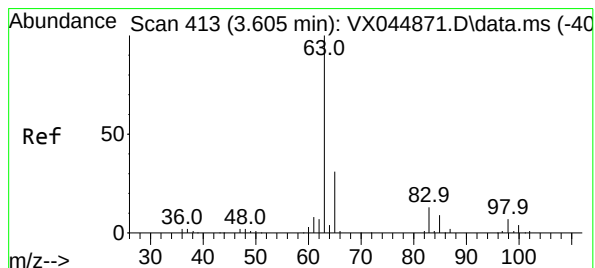
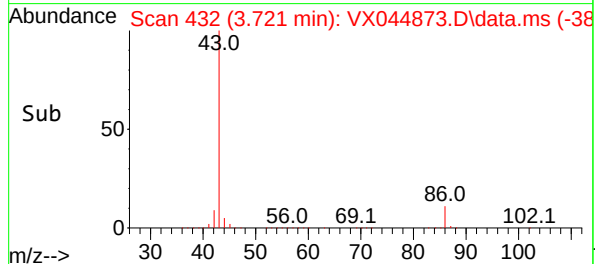
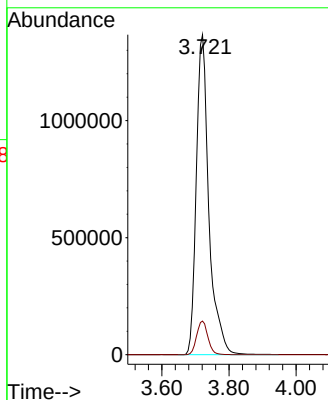
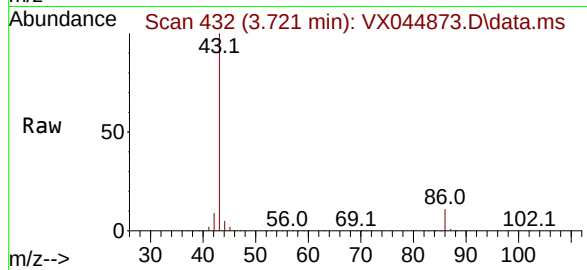
#23
Vinyl Acetate
Concen: 789.993 ug/l
RT: 3.721 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

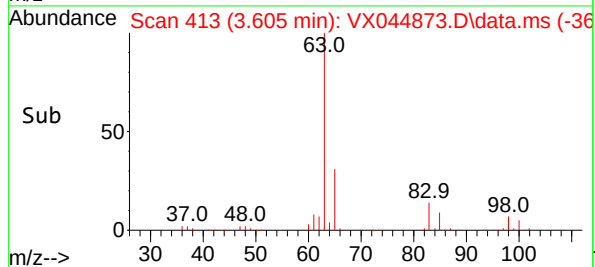
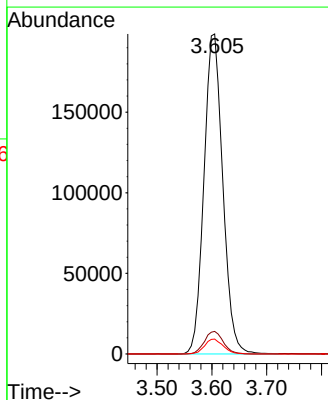
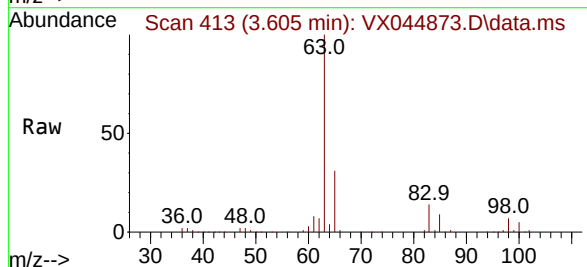
Manual Integrations
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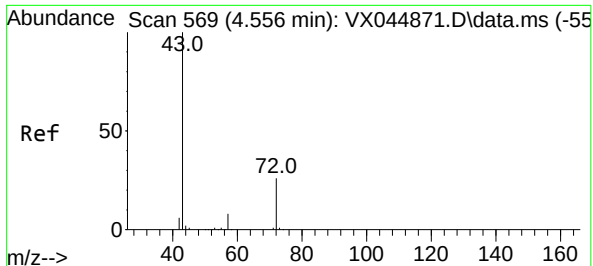
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#24
1,1-Dichloroethane
Concen: 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: 91474

Ion Ratio Lower Upper

43 100

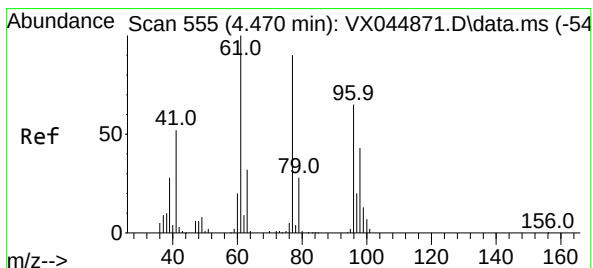
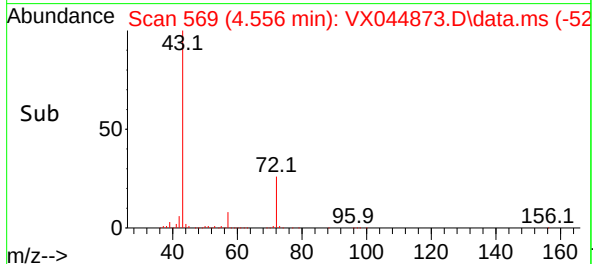
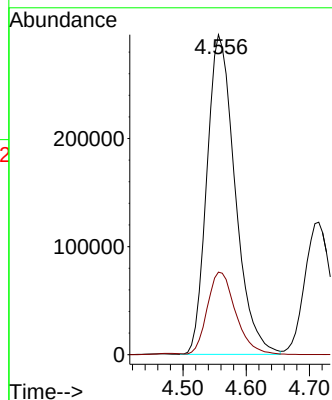
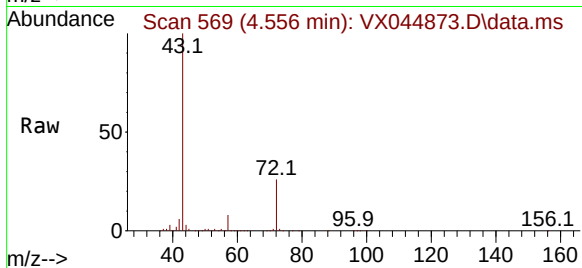
72 25.6 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#26

2,2-Dichloropropane

Concen: 156.029 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX044873.D

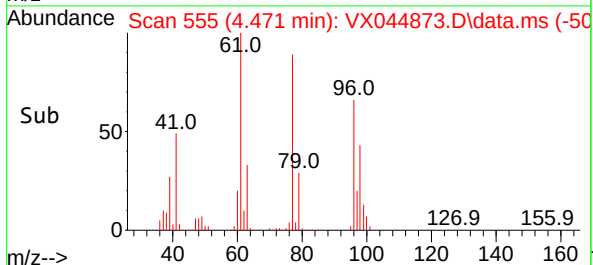
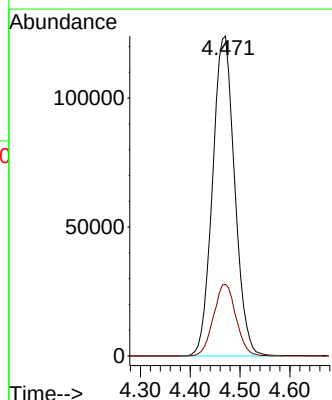
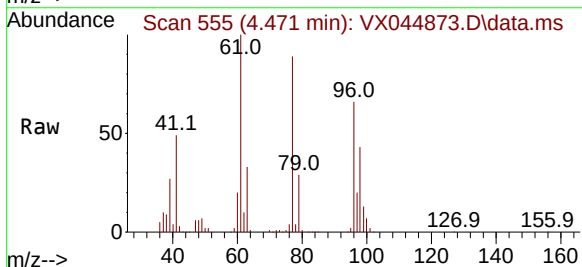
Acq: 10 Feb 2025 12:28

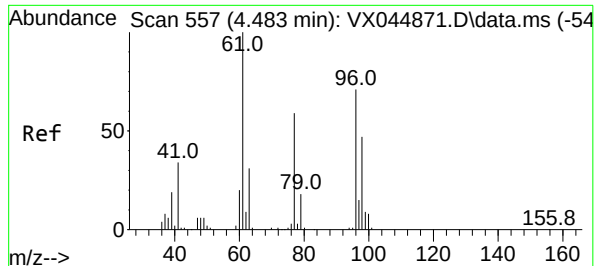
Tgt Ion: 77 Resp: 382167

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 :

VSTDIC150

Tgt Ion: 96 Resp: 292864

Ion Ratio Lower Upper

96 100

61 148.1 0.0 294.0

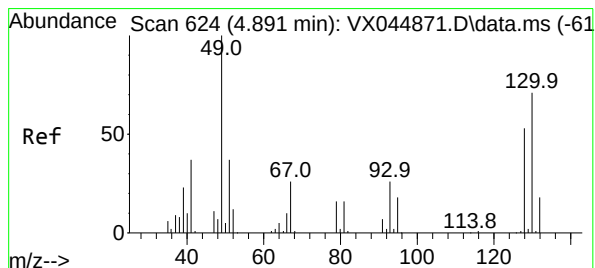
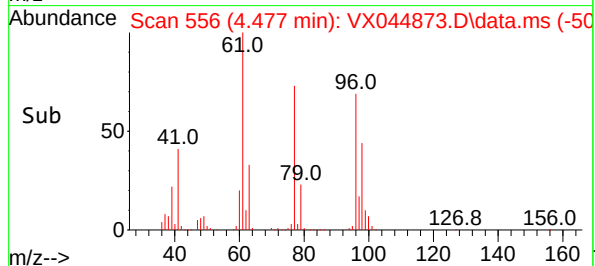
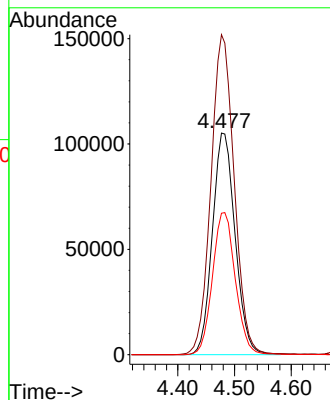
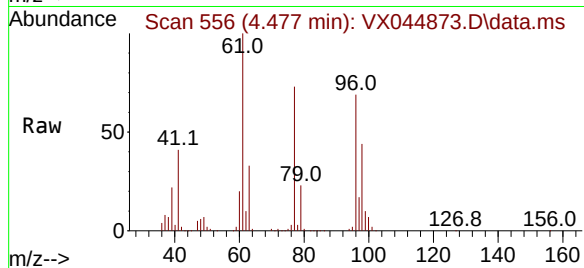
98 64.6 0.0 131.2

Manual Integrations

APPROVED

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

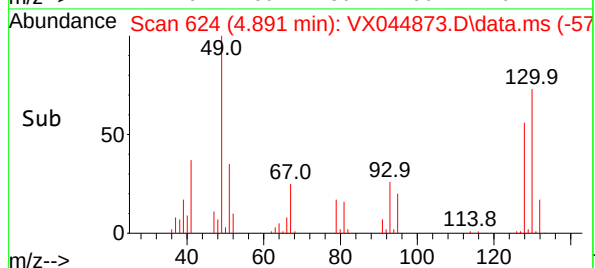
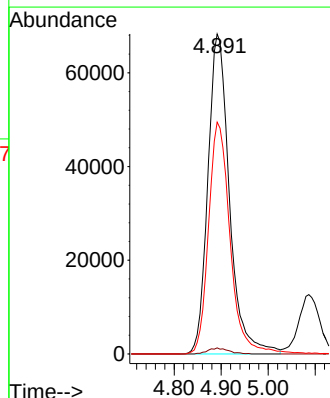
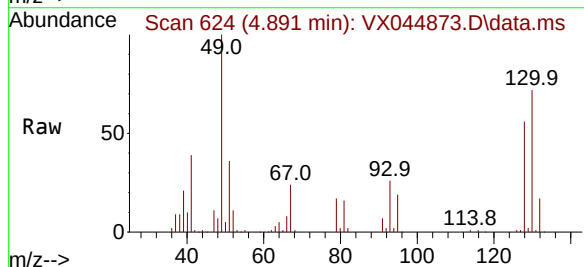
Tgt Ion: 49 Resp: 217387

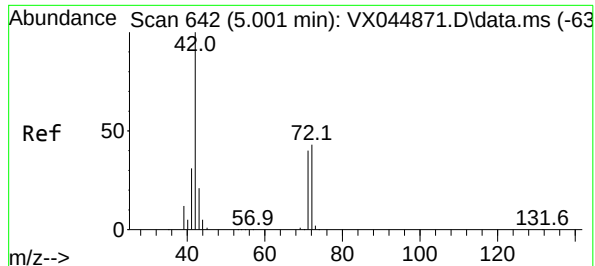
Ion Ratio Lower Upper

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 :

VSTDIC150

Tgt Ion: 42 Resp: 596049

Ion Ratio Lower Upper

42 100

72 44.5 35.0 52.4

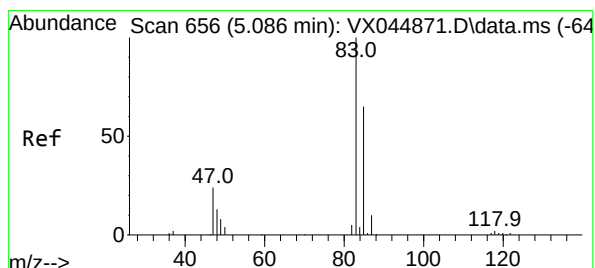
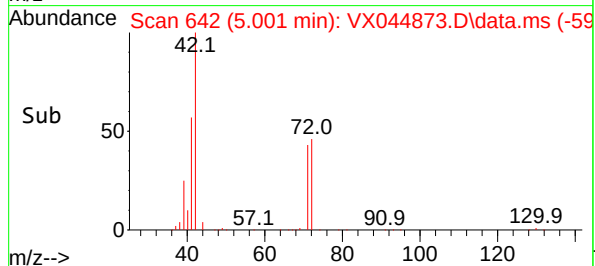
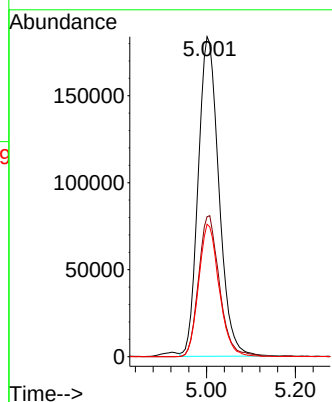
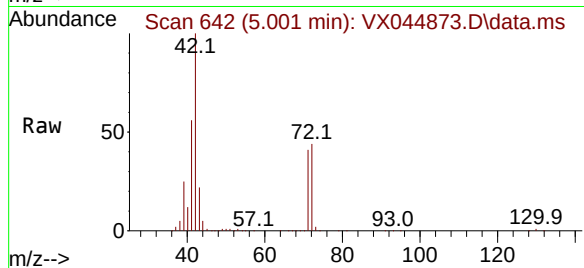
71 41.0 32.6 48.8

Manual Integrations

APPROVED

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

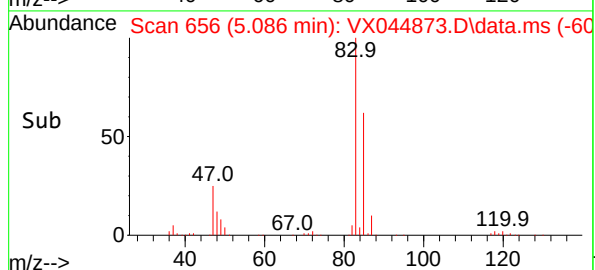
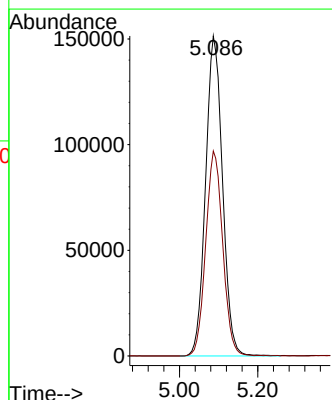
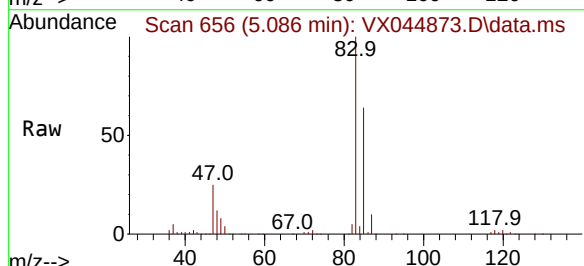
Acq: 10 Feb 2025 12:28

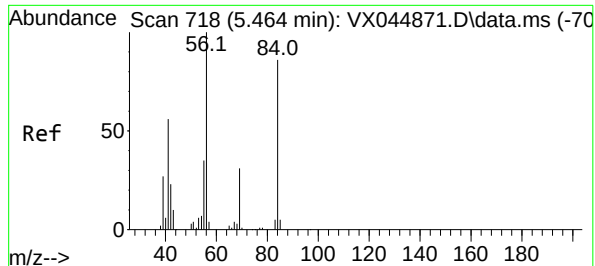
Tgt Ion: 83 Resp: 453809

Ion Ratio Lower Upper

83 100

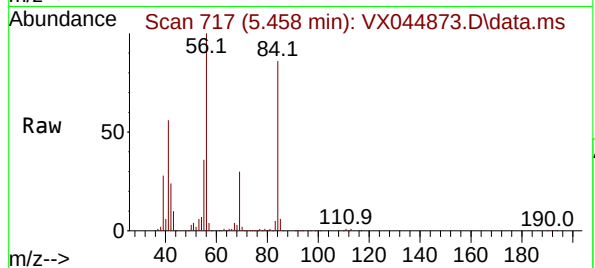
85 64.1 52.1 78.1





#31
Cyclohexane
Concen: 148.722 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

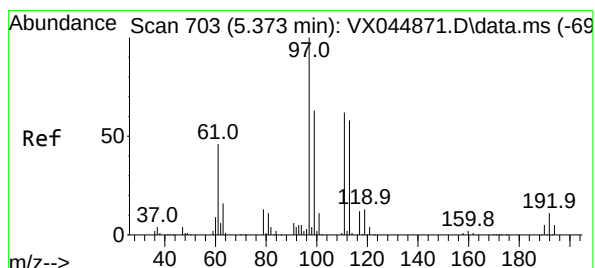
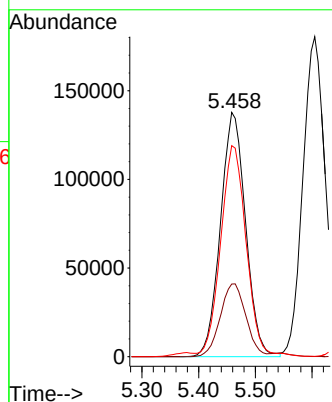
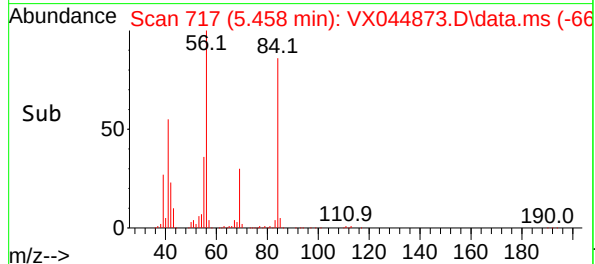
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



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

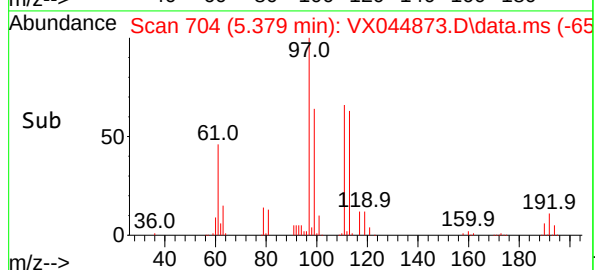
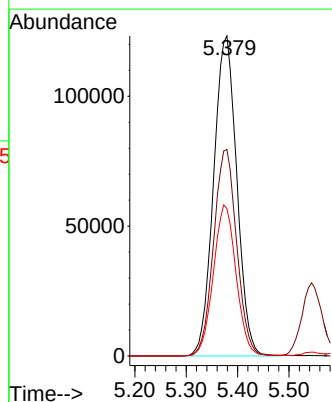
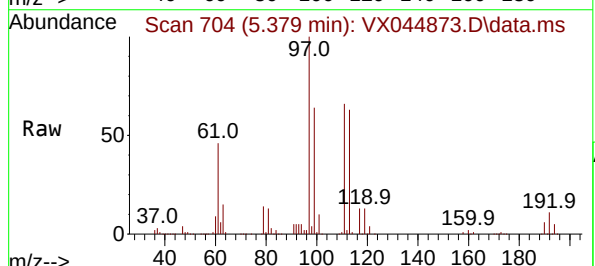
Manual Integrations
APPROVED

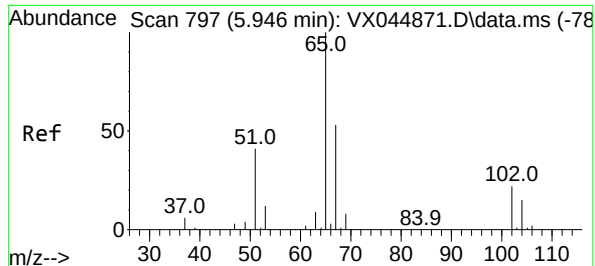
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

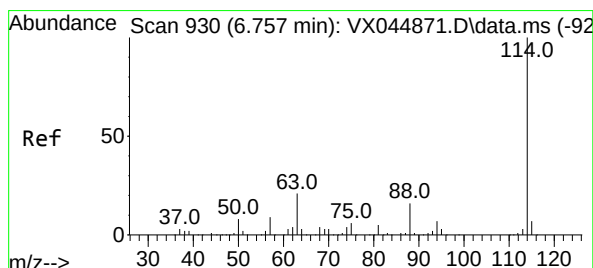
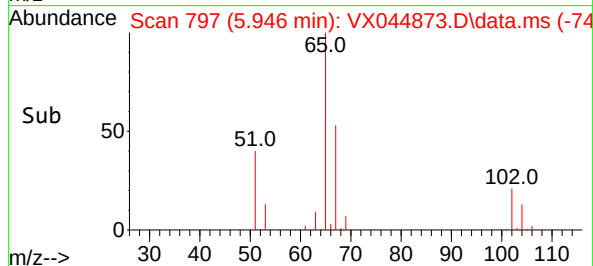
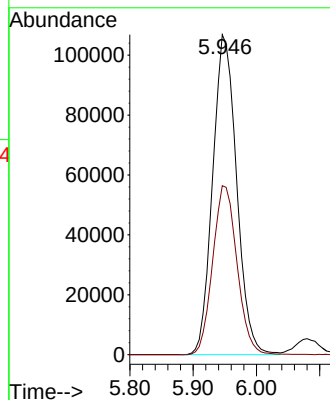
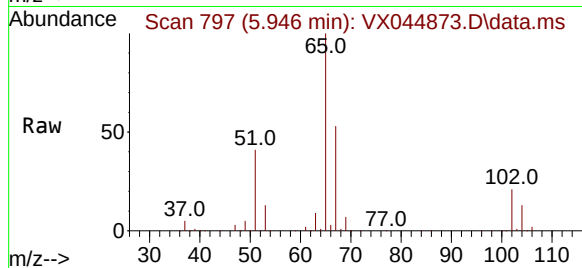
67 53.7 0.0 108.2

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

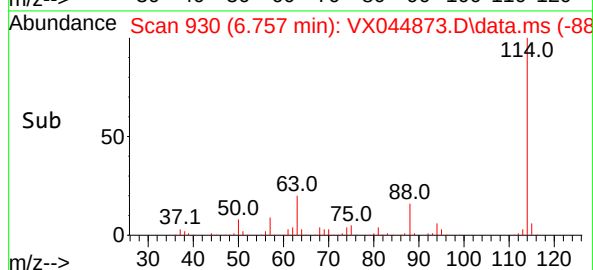
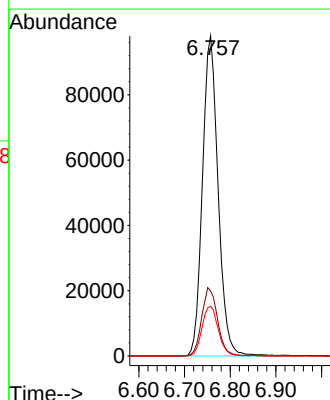
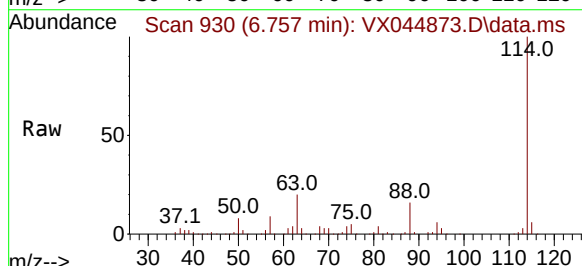
Tgt Ion:114 Resp: 232597

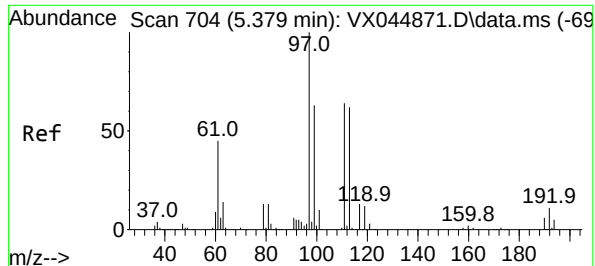
Ion Ratio Lower Upper

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

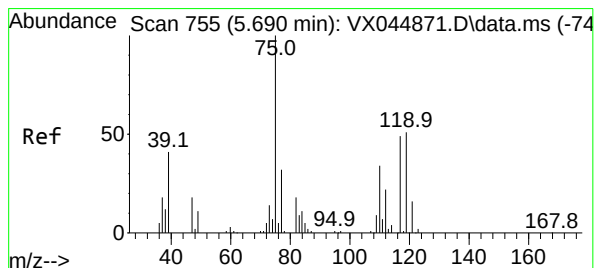
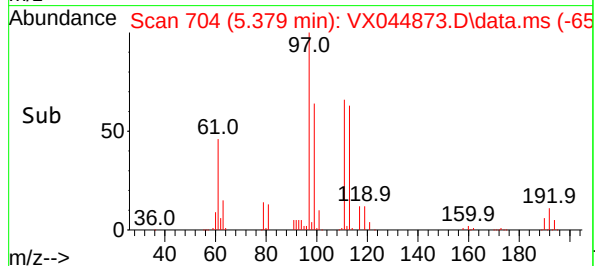
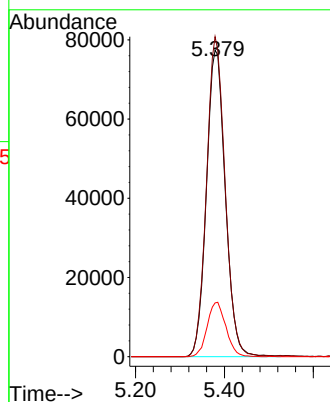
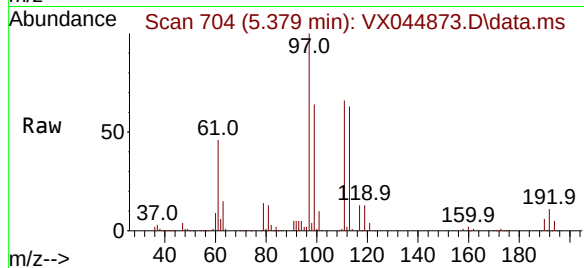
192 17.6 14.4 21.6

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

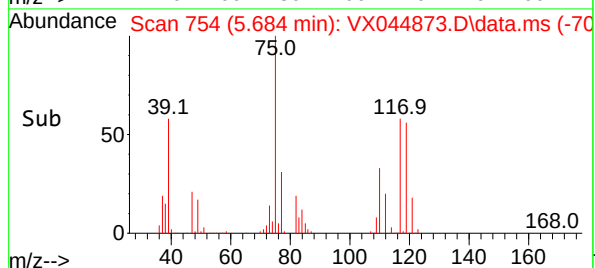
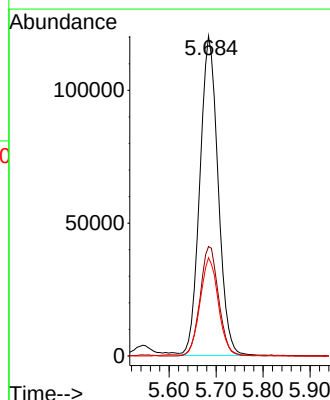
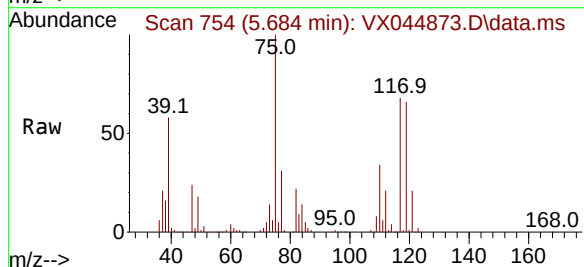
Tgt Ion: 75 Resp: 324182

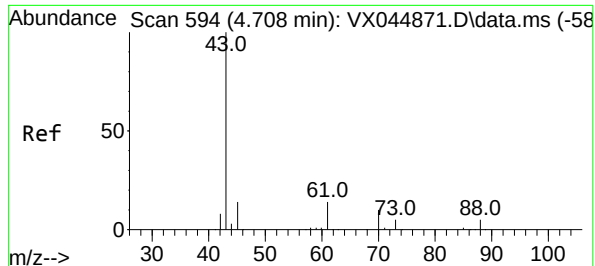
Ion Ratio Lower Upper

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 :

VSTDICC150

Tgt Ion: 43 Resp: 36876

Ion Ratio Lower Upper

43 100

61 13.5 11.0 16.4

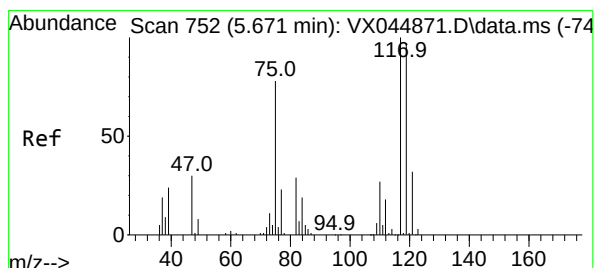
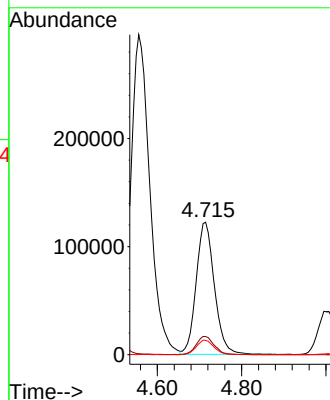
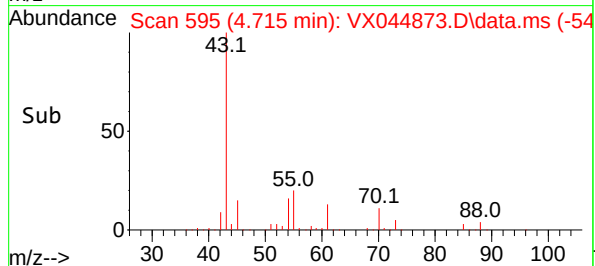
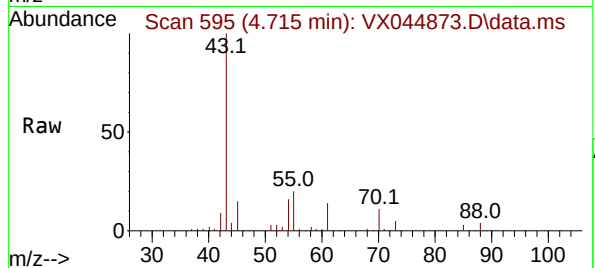
70 10.6 8.2 12.2

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

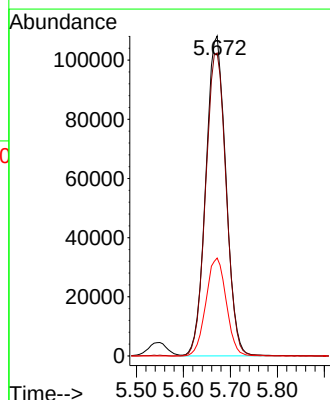
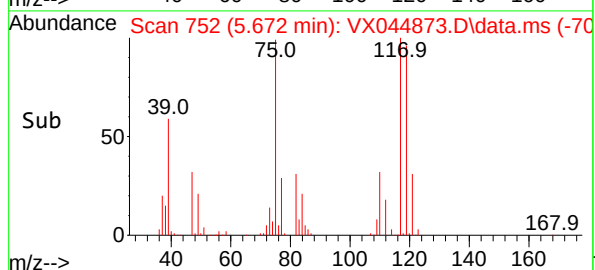
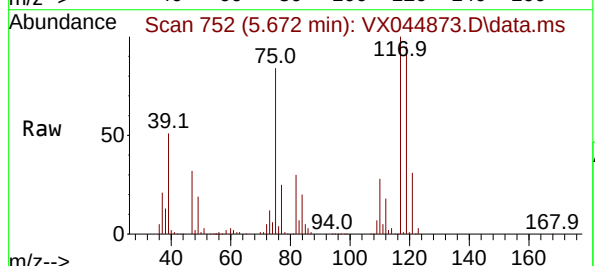
Tgt Ion:117 Resp: 320536

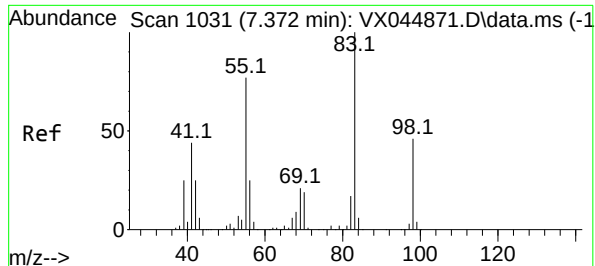
Ion Ratio Lower Upper

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

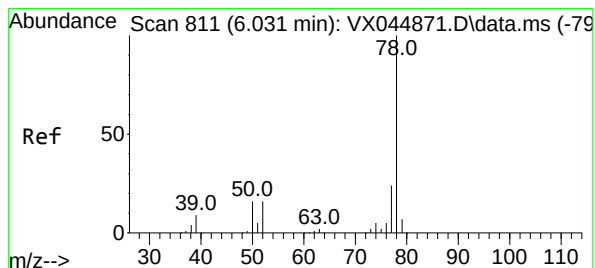
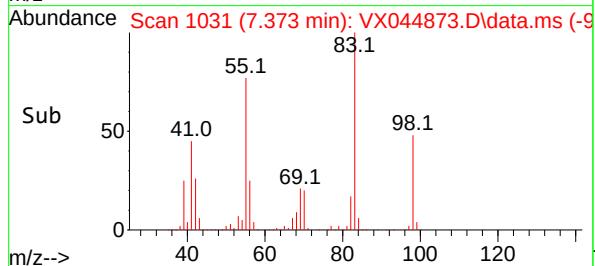
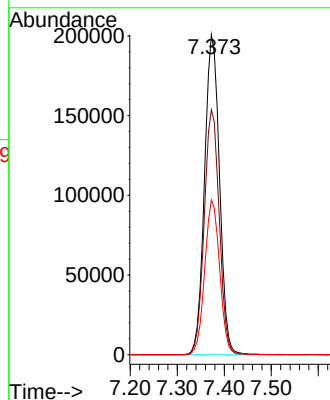
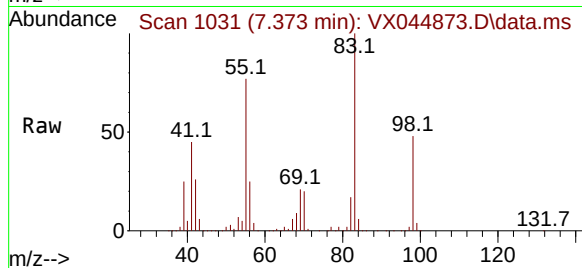
98 48.4 37.0 55.6

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

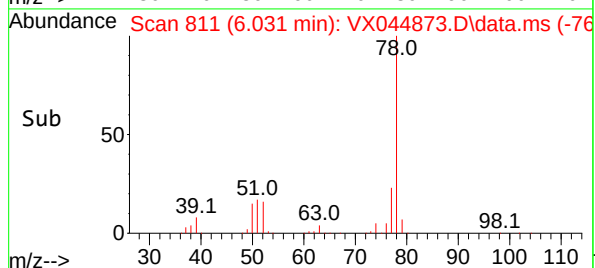
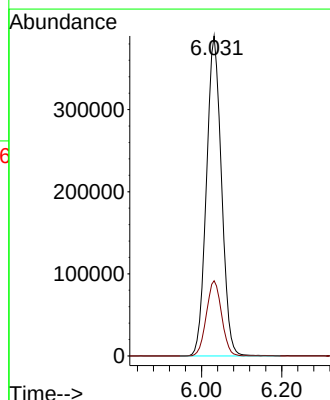
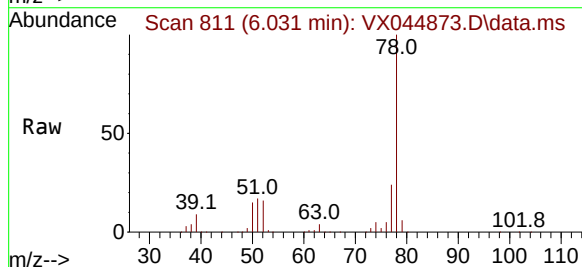
Acq: 10 Feb 2025 12:28

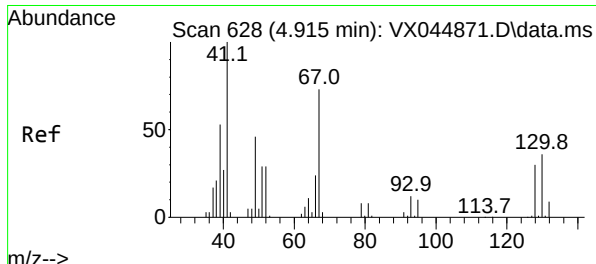
Tgt Ion: 78 Resp: 1014129

Ion Ratio Lower Upper

78 100

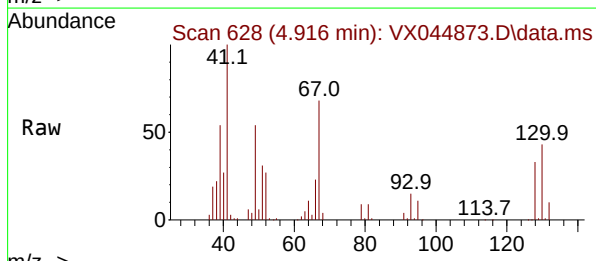
77 23.5 19.0 28.6





#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

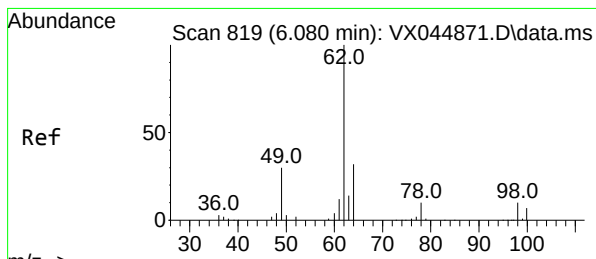
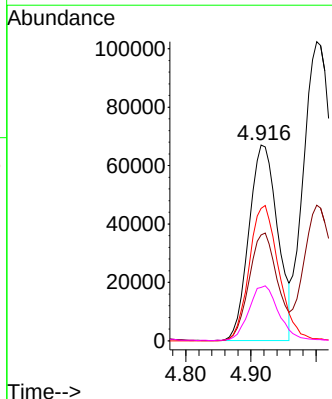
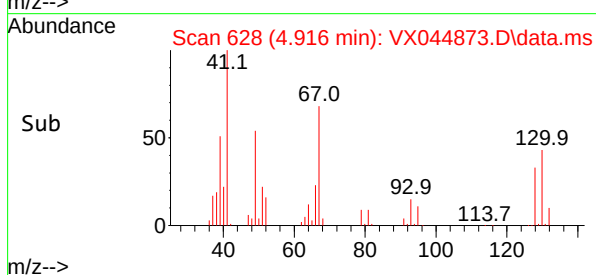
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



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

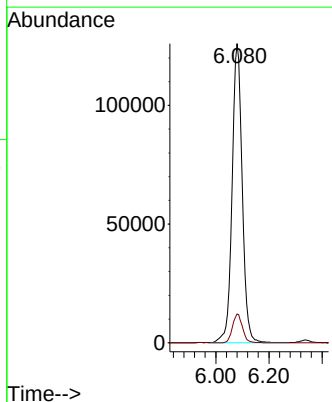
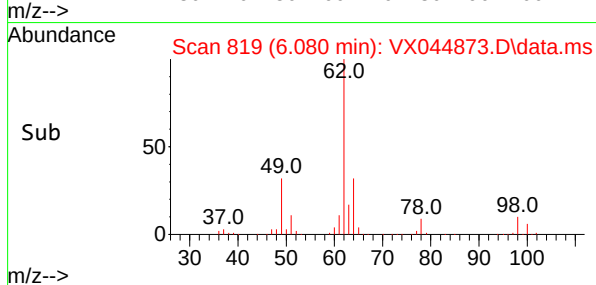
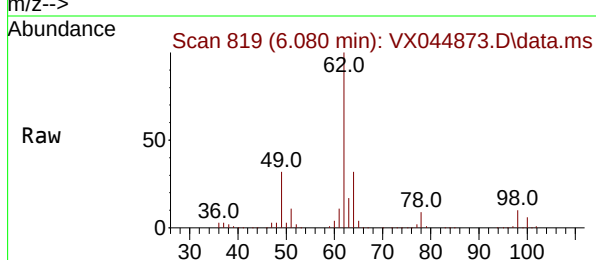
Manual Integrations
APPROVED

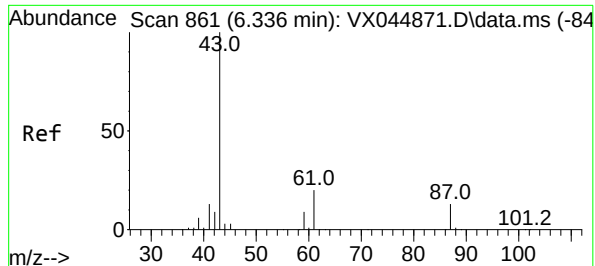
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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 :

VSTDIC150

Tgt Ion: 43 Resp: 617510

Ion Ratio Lower Upper

43 100

61 20.1 15.8 23.8

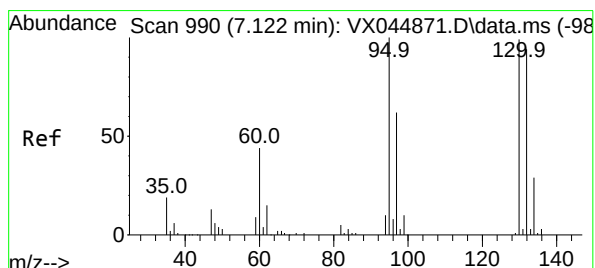
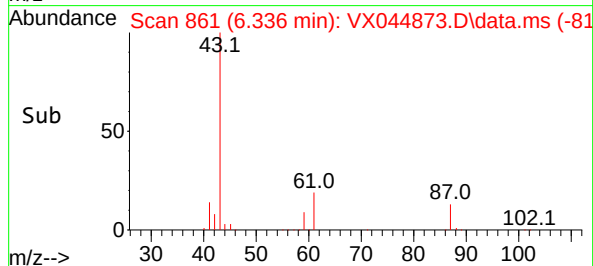
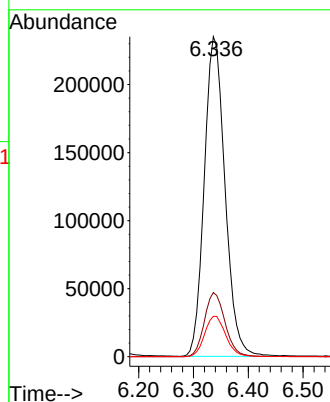
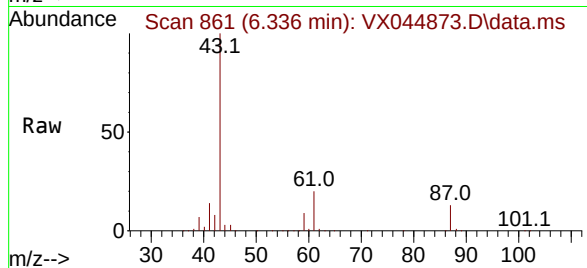
87 12.9 10.0 15.0

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

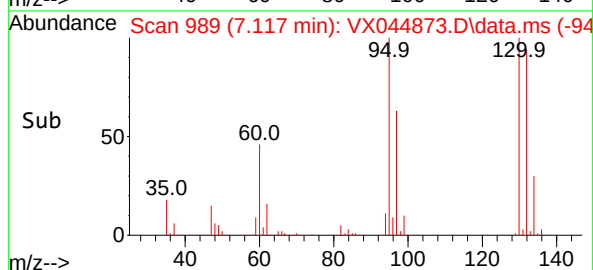
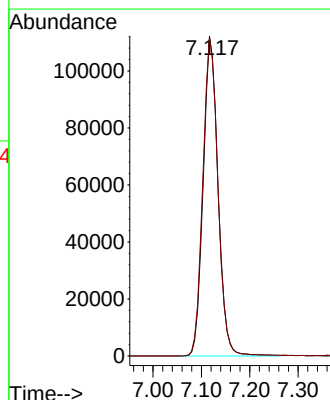
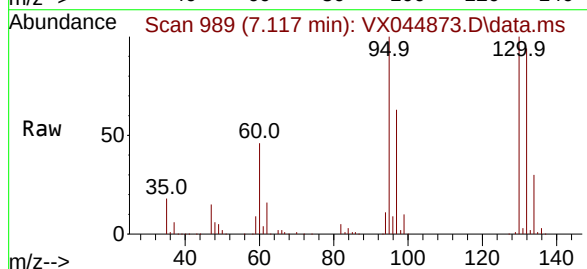
Acq: 10 Feb 2025 12:28

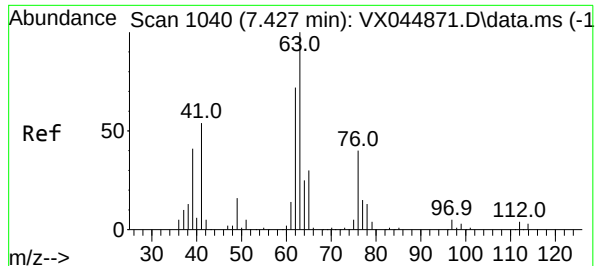
Tgt Ion:130 Resp: 239030

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

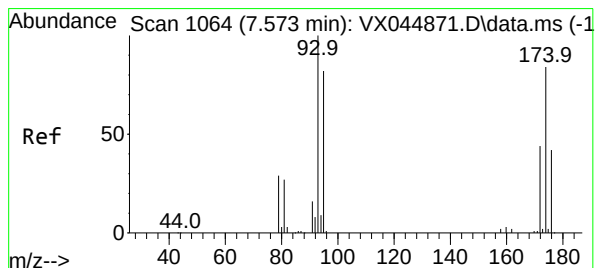
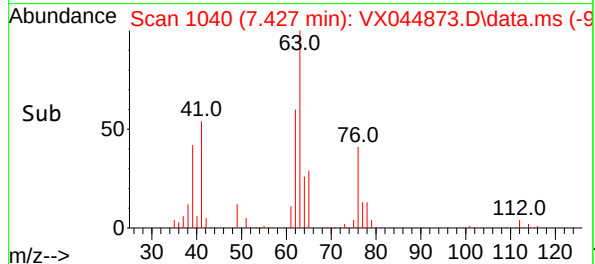
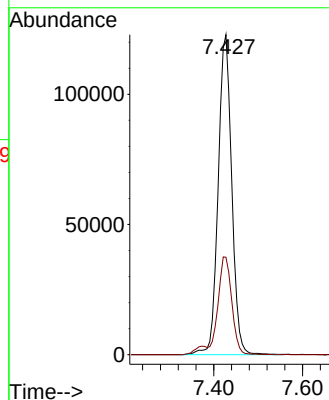
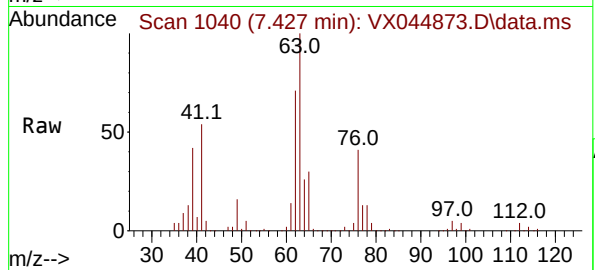
65 30.4 24.2 36.4

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

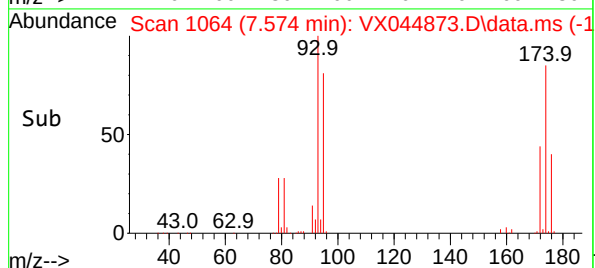
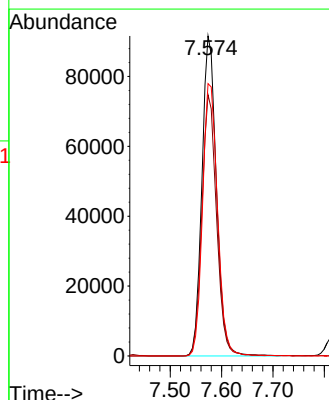
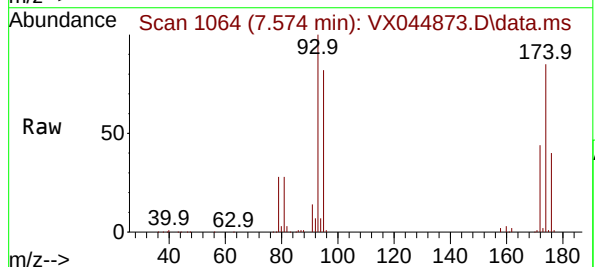
Tgt Ion: 93 Resp: 179689

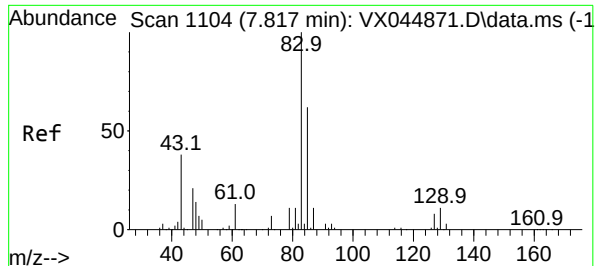
Ion Ratio Lower Upper

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

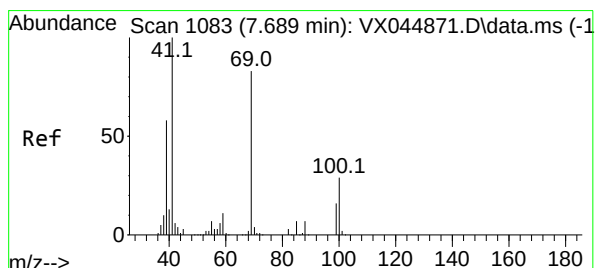
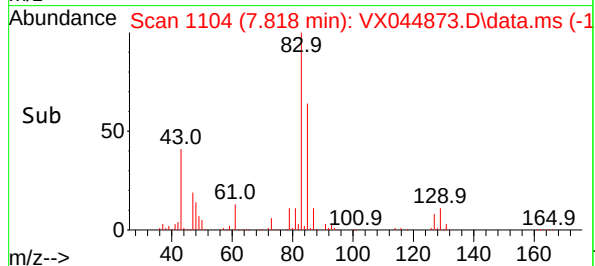
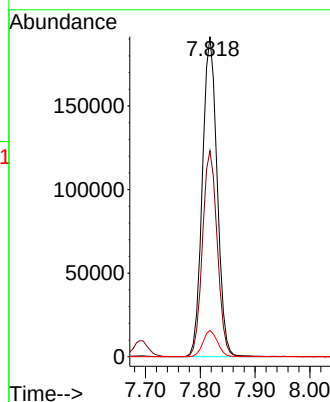
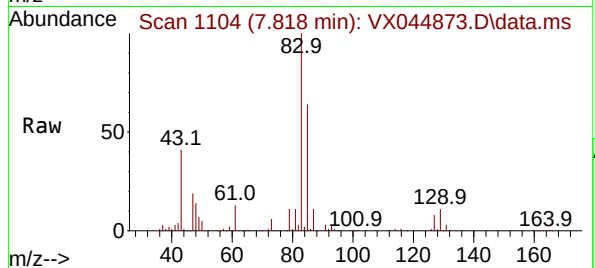
127 8.2 6.4 9.6

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

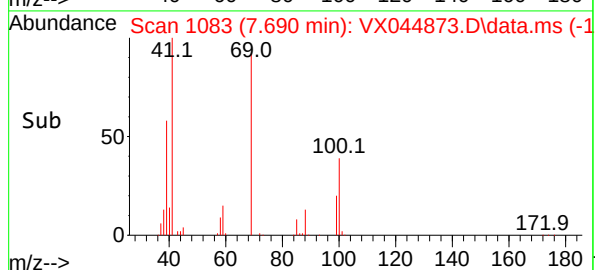
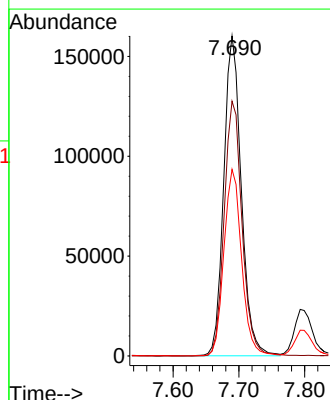
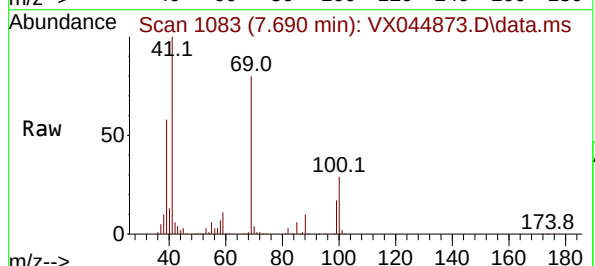
Tgt Ion: 41 Resp: 297931

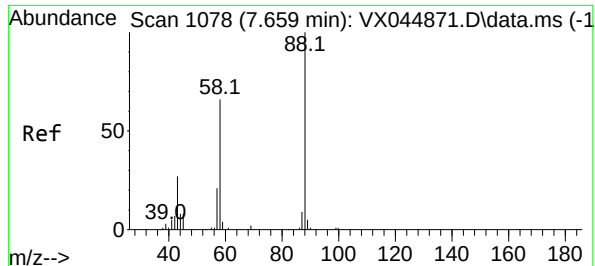
Ion Ratio Lower Upper

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 :

VSTDIC150

Tgt Ion: 88 Resp: 106179

Ion Ratio Lower Upper

88 100

43 33.0 26.6 39.8

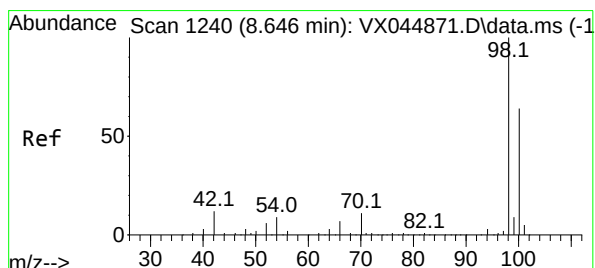
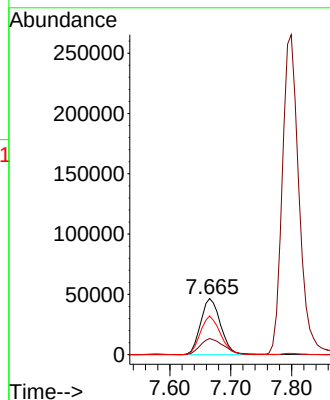
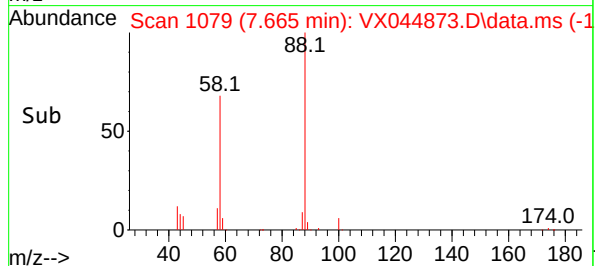
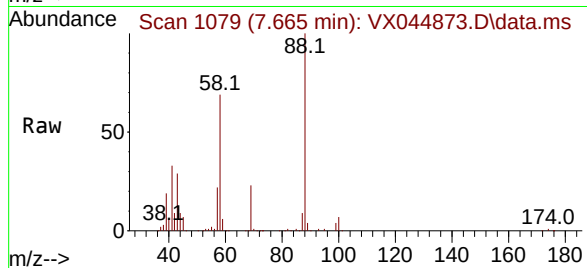
58 69.4 55.9 83.9

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

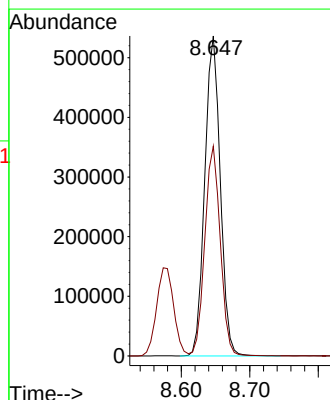
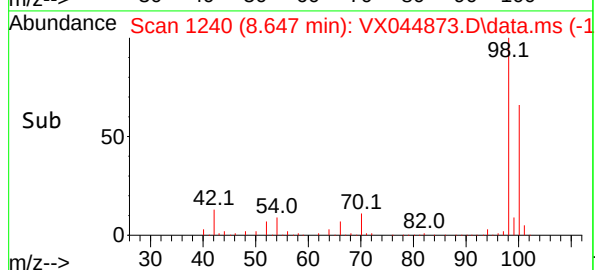
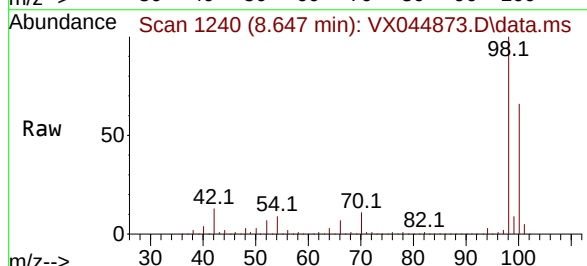
Acq: 10 Feb 2025 12:28

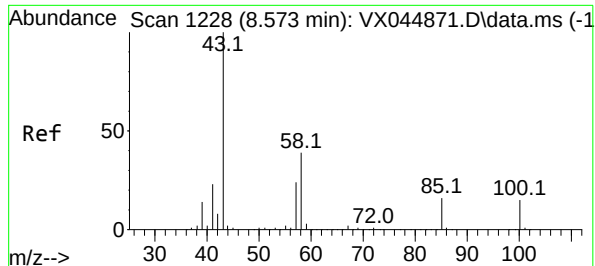
Tgt Ion: 98 Resp: 845632

Ion Ratio Lower Upper

98 100

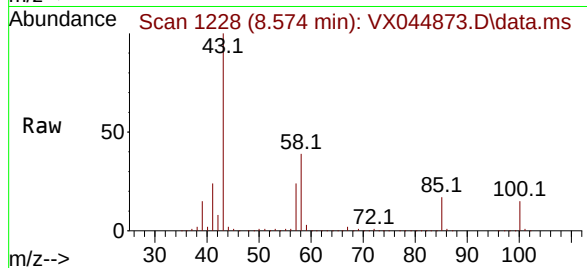
100 65.5 52.7 79.1





#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

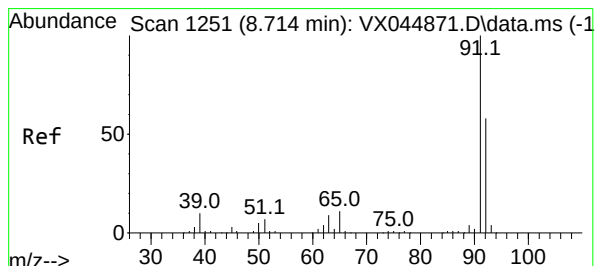
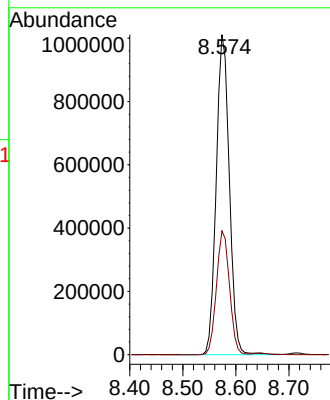
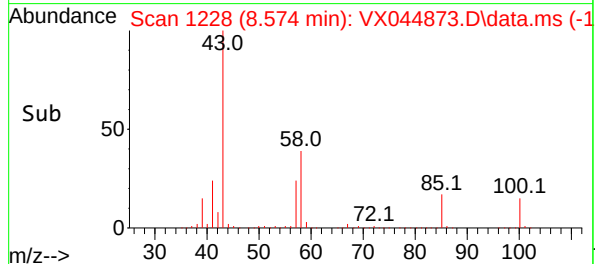
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 43 Resp: 1736538
Ion Ratio Lower Upper
43 100
58 38.6 30.8 46.2

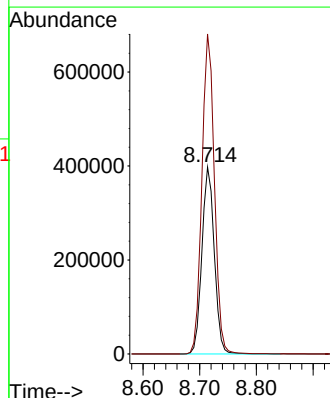
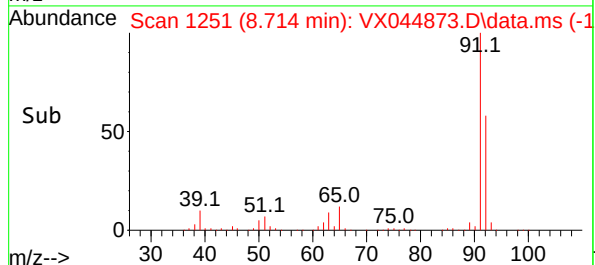
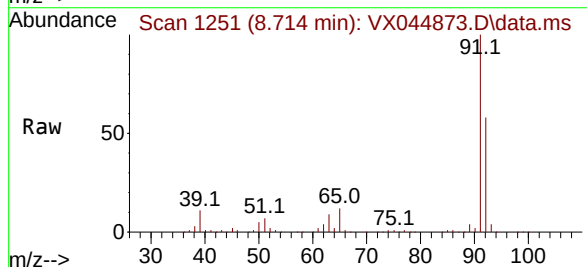
Manual Integrations
APPROVED

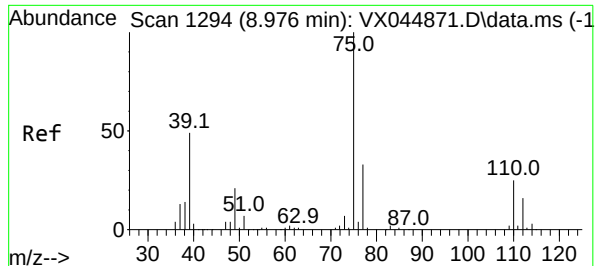
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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# 1294

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

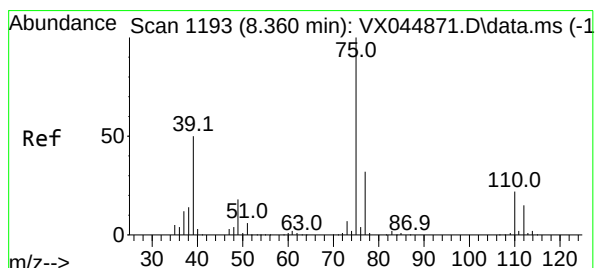
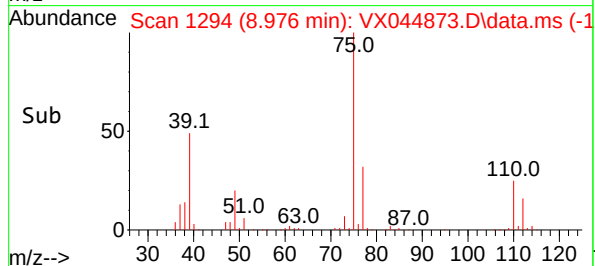
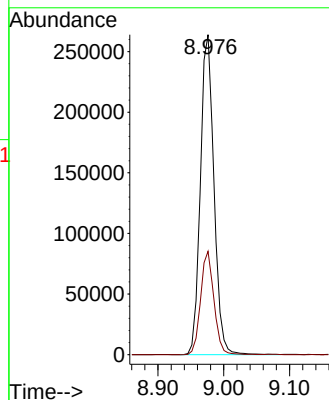
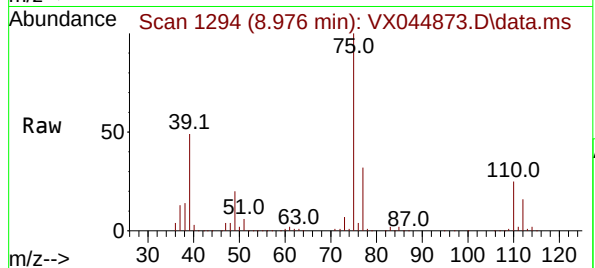
77 32.3 26.0 39.0

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

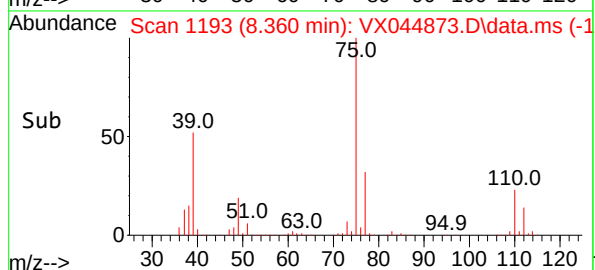
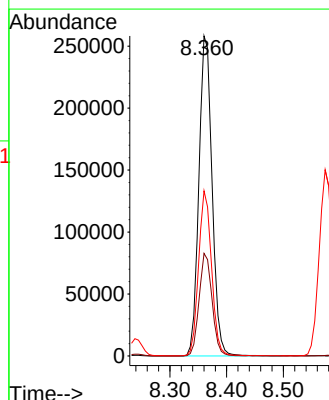
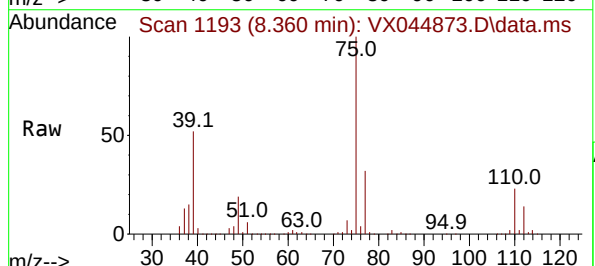
Tgt Ion: 75 Resp: 417724

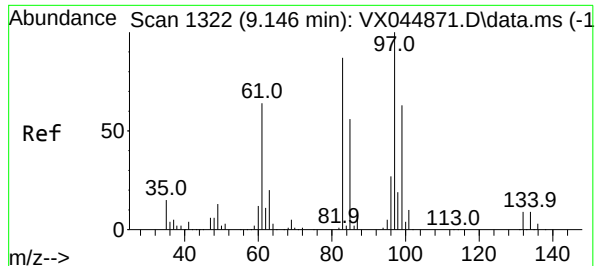
Ion Ratio Lower Upper

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

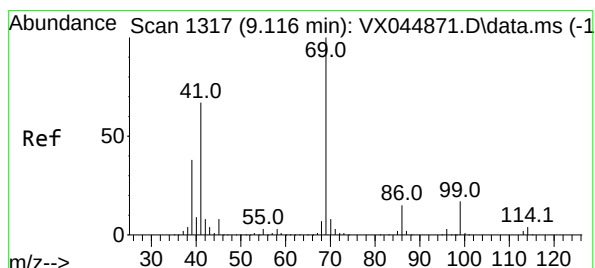
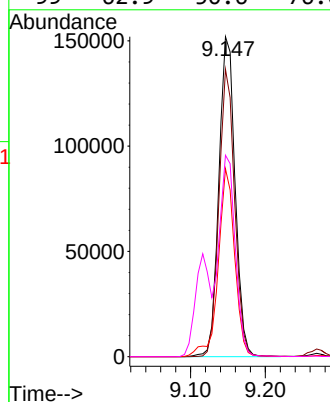
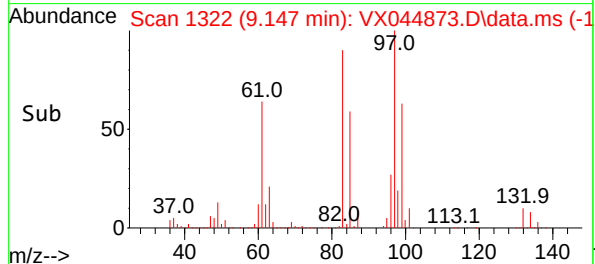
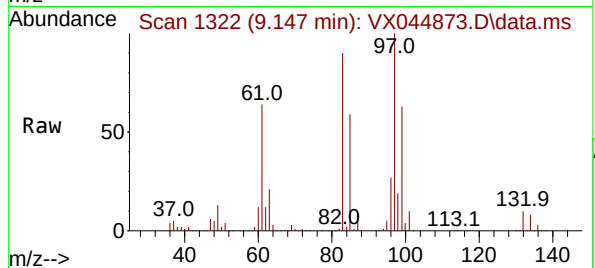
99 62.9 50.6 76.0

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

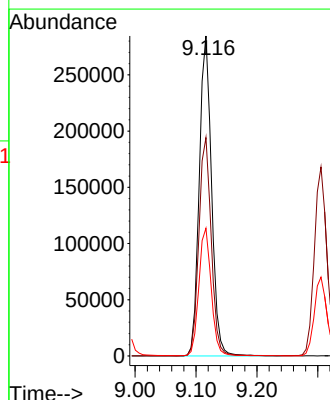
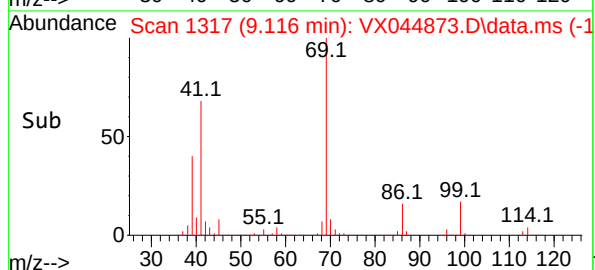
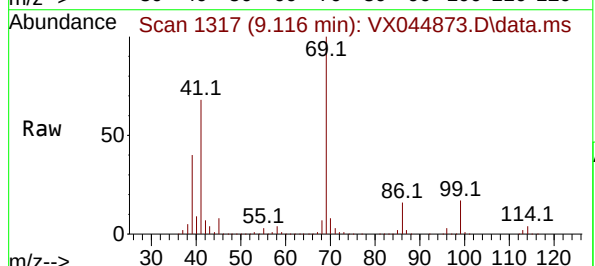
Tgt Ion: 69 Resp: 398535

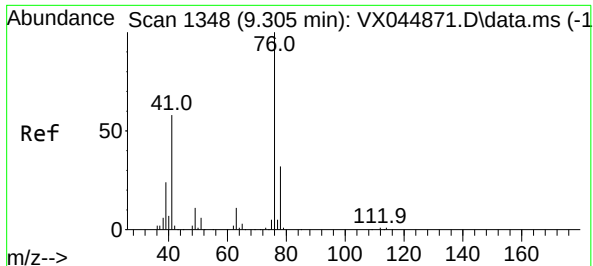
Ion Ratio Lower Upper

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

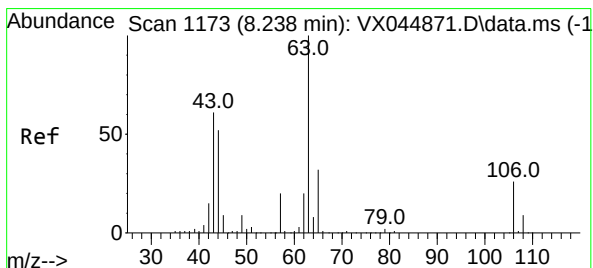
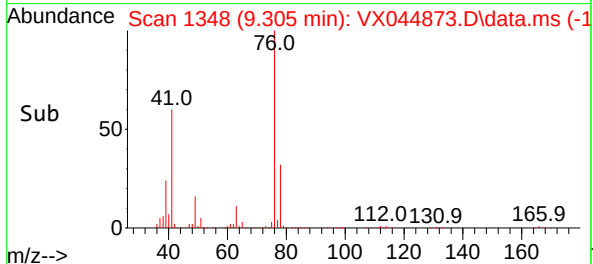
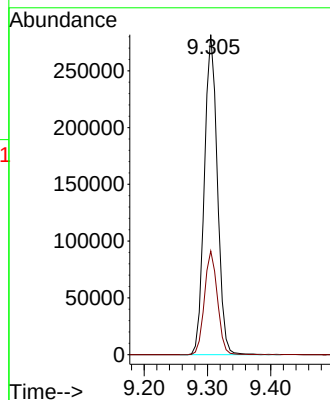
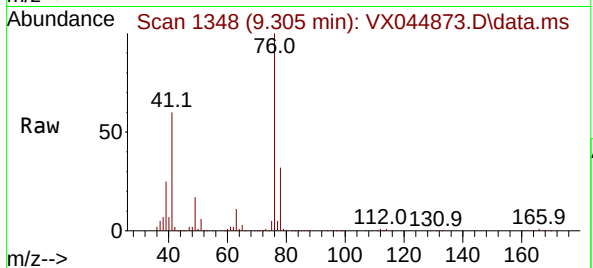
78 32.3 25.8 38.8

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

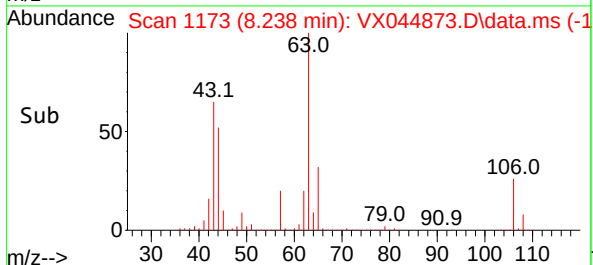
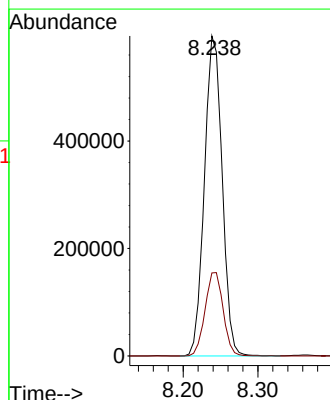
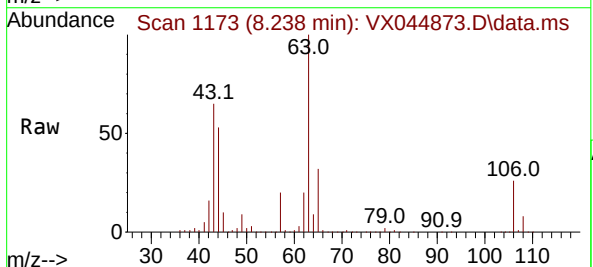
Acq: 10 Feb 2025 12:28

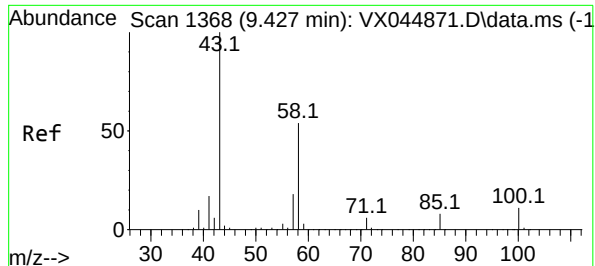
Tgt Ion: 63 Resp: 982120

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

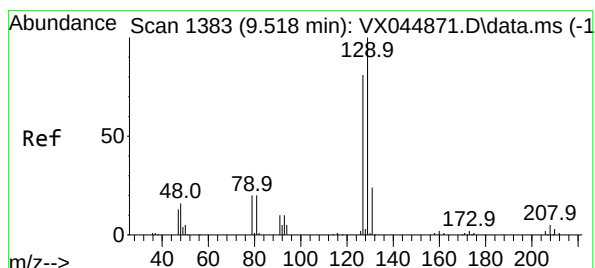
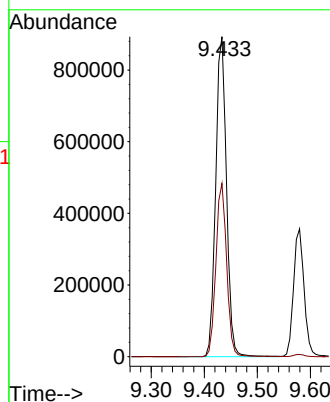
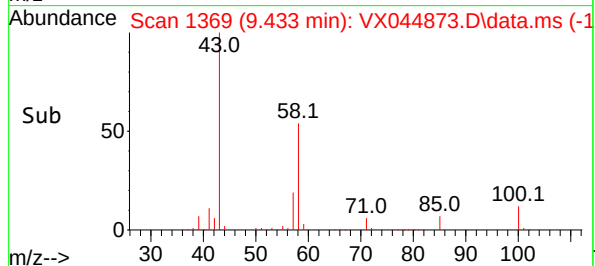
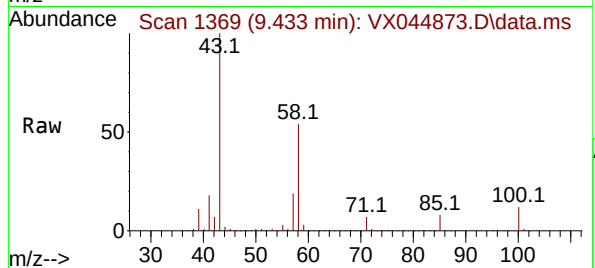
58 54.1 27.5 82.4

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

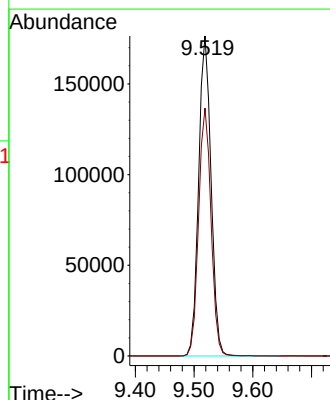
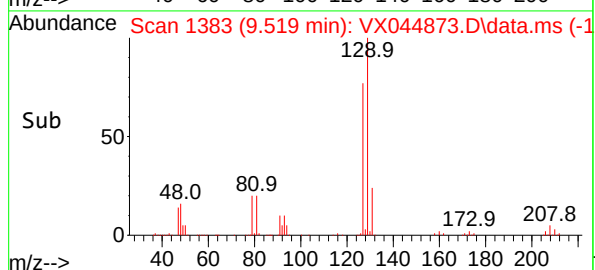
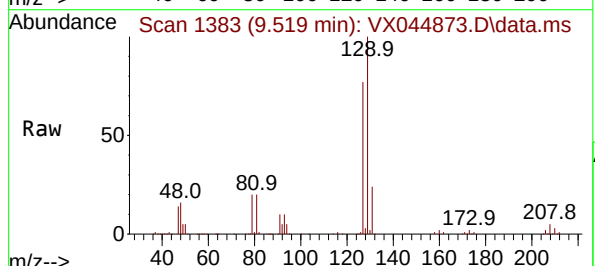
Acq: 10 Feb 2025 12:28

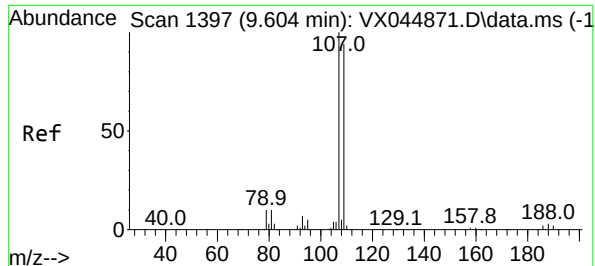
Tgt Ion:129 Resp: 258320

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 :

VSTDIC150

Tgt Ion:107 Resp: 240539

Ion Ratio Lower Upper

107 100

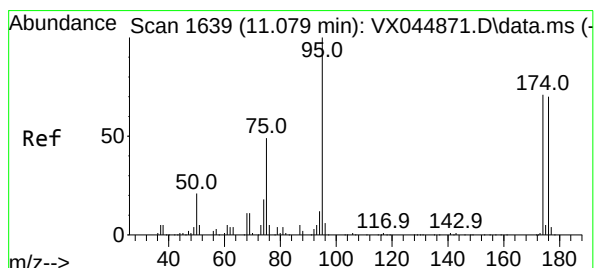
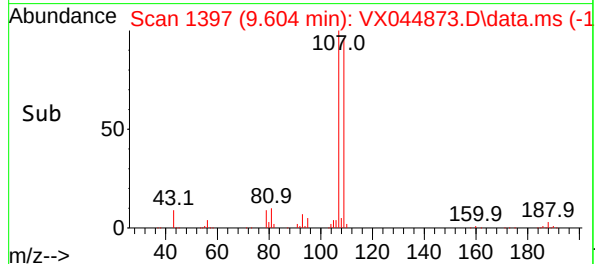
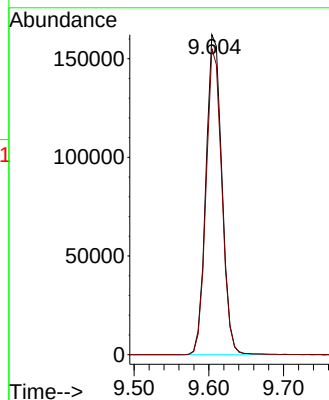
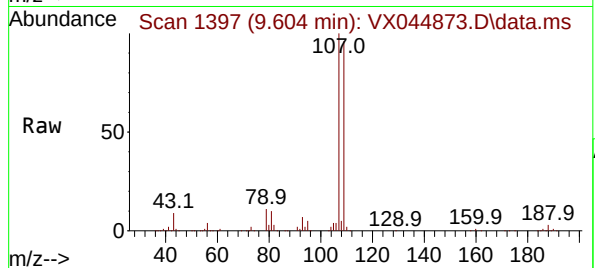
109 94.3 75.9 113.9

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

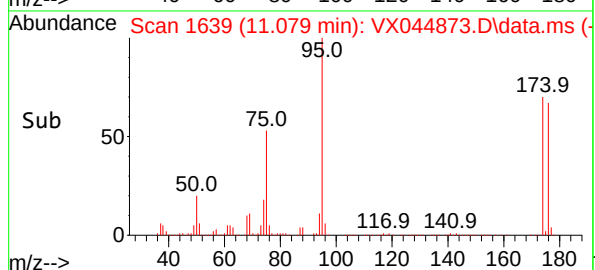
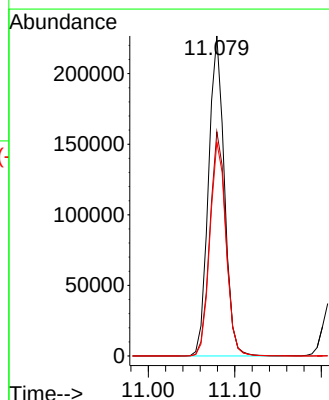
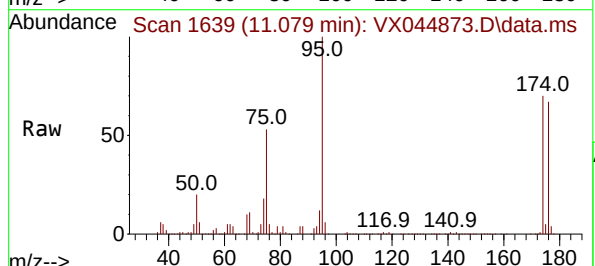
Tgt Ion: 95 Resp: 287486

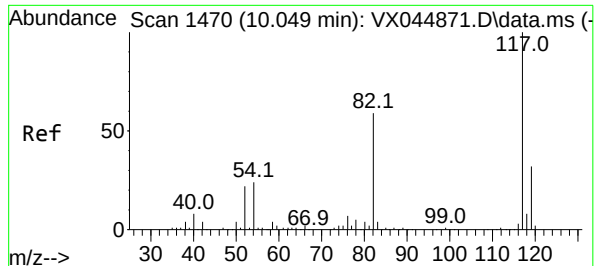
Ion Ratio Lower Upper

95 100

174 71.2 0.0 142.6

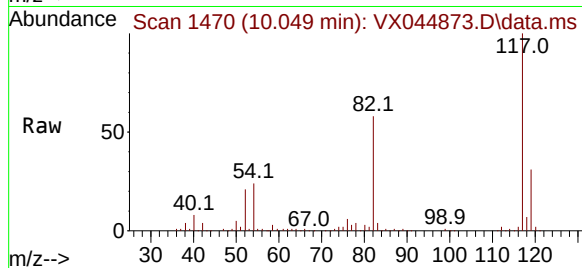
176 68.0 0.0 141.6





#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

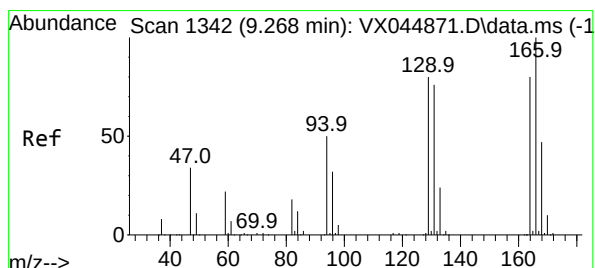
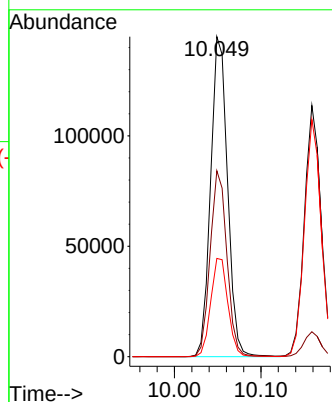
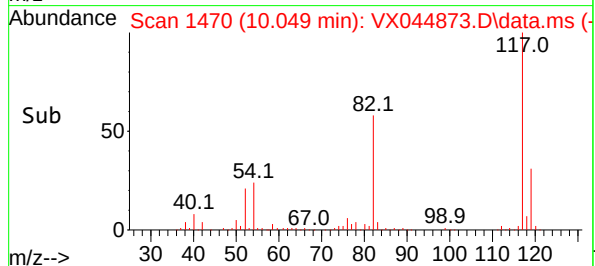
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:117 Resp: 196663
Ion Ratio Lower Upper
117 100
82 58.1 47.5 71.3
119 30.7 25.4 38.0

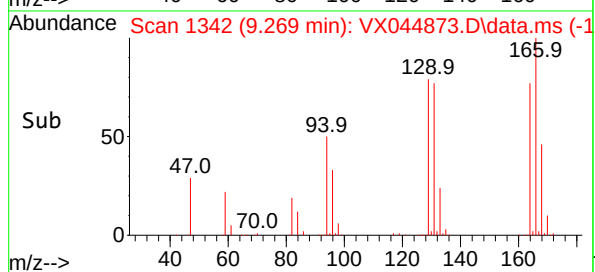
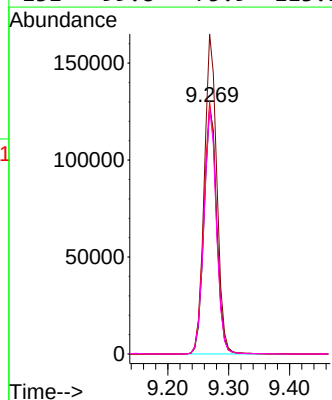
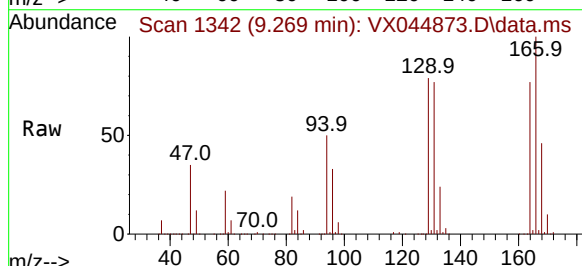
Manual Integrations
APPROVED

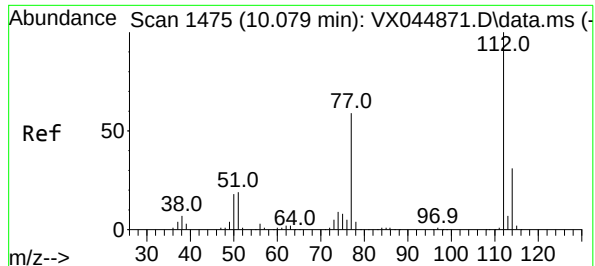
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





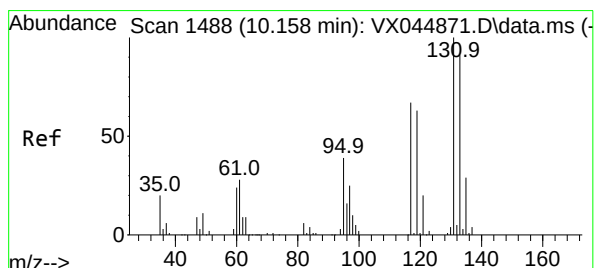
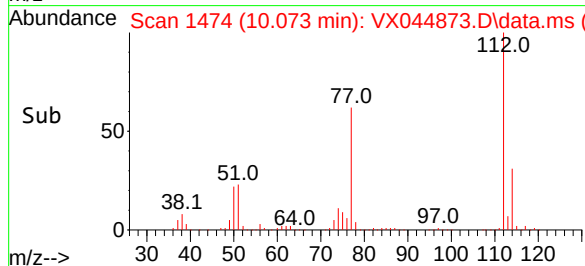
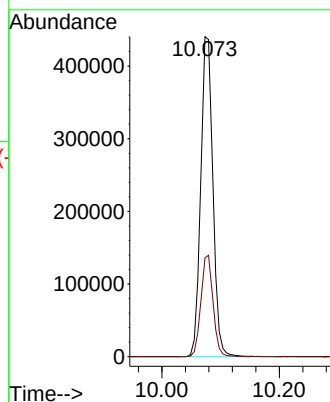
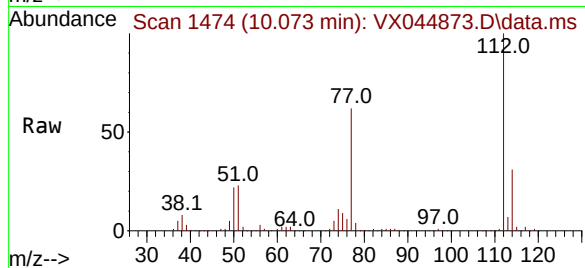
#65
Chlorobenzene
Concen: 150.224 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 634550
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.6

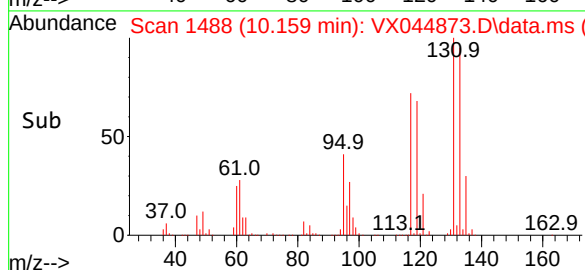
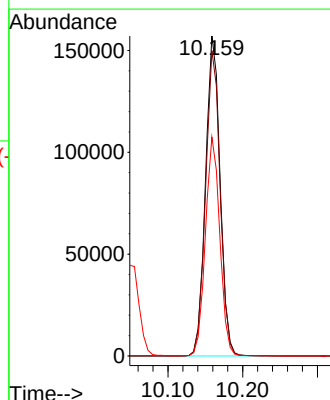
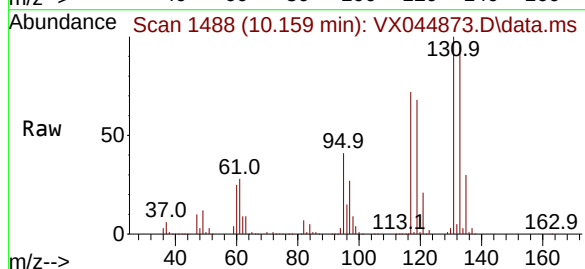
Manual Integrations
APPROVED

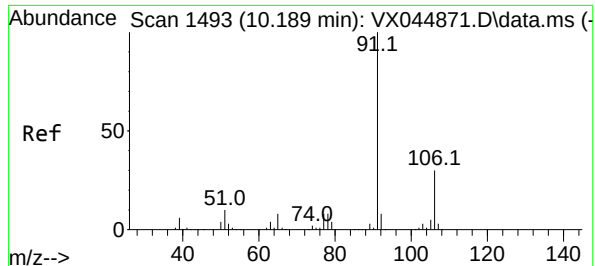
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

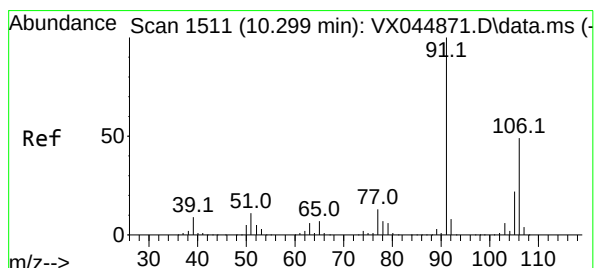
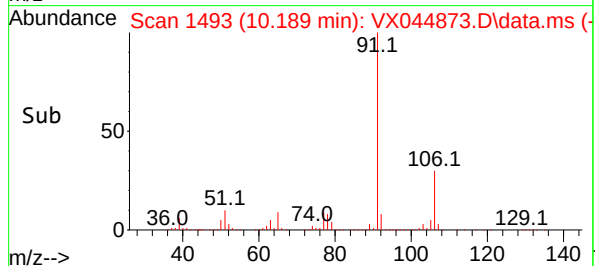
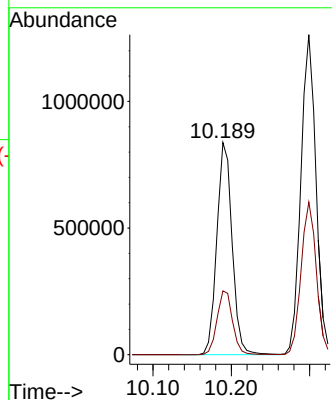
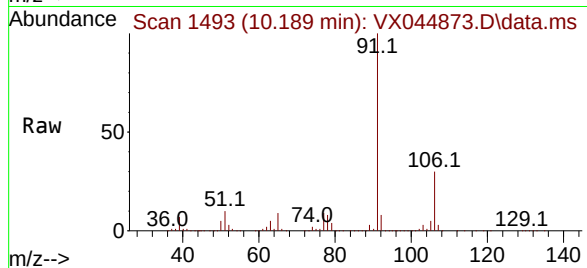
106 30.1 23.9 35.9

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

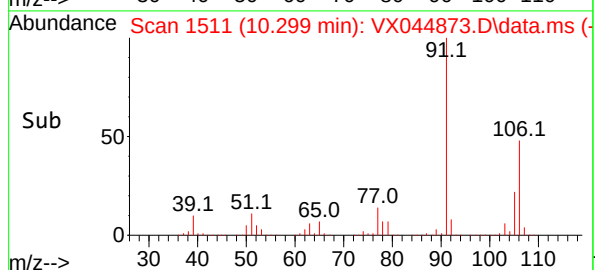
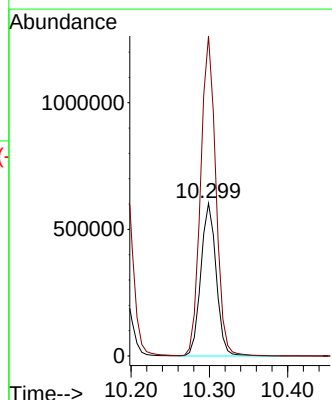
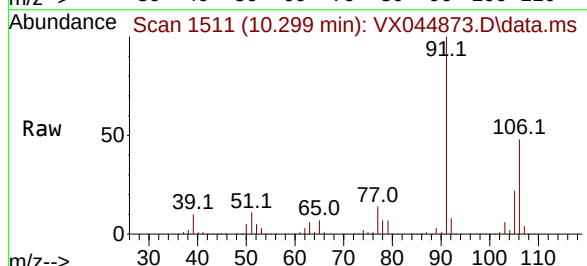
Acq: 10 Feb 2025 12:28

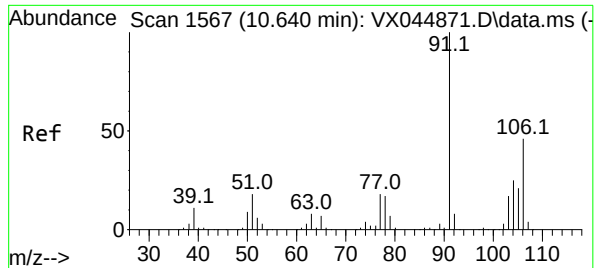
Tgt Ion:106 Resp: 818971

Ion Ratio Lower Upper

106 100

91 208.6 164.3 246.5





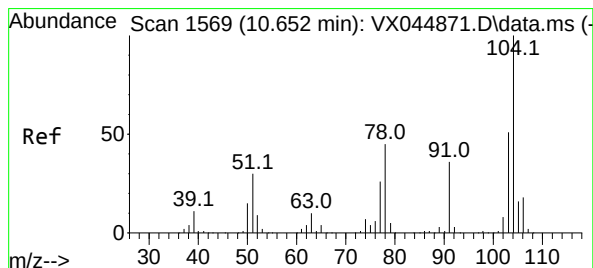
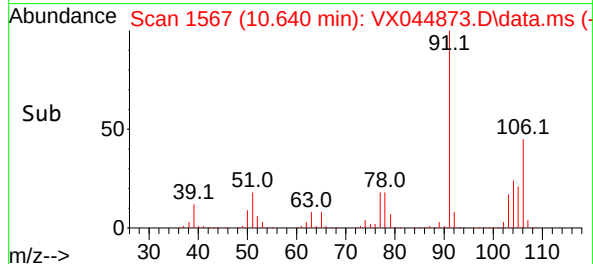
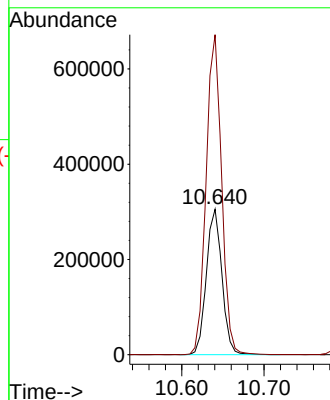
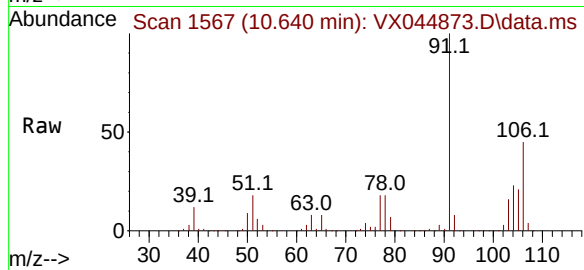
#69
o-Xylene
Concen: 145.674 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 401928
Ion Ratio Lower Upper
106 100
91 218.9 108.5 325.5

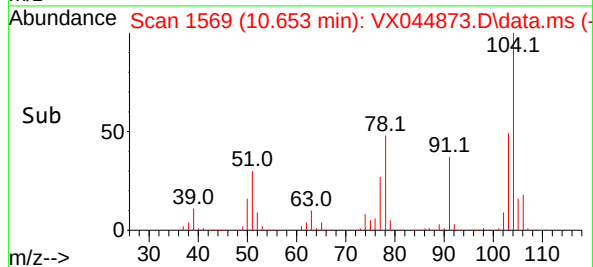
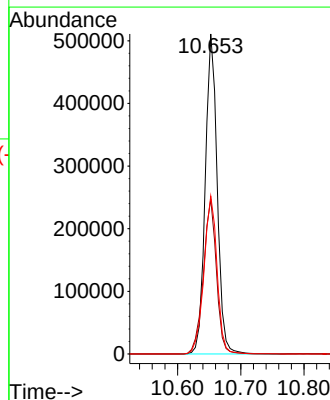
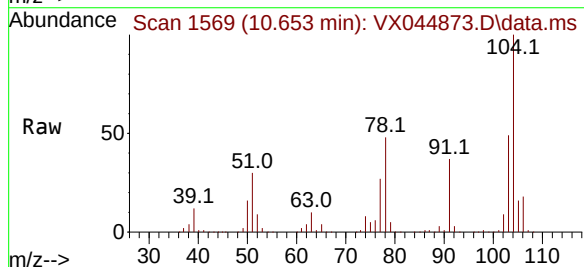
Manual Integrations
APPROVED

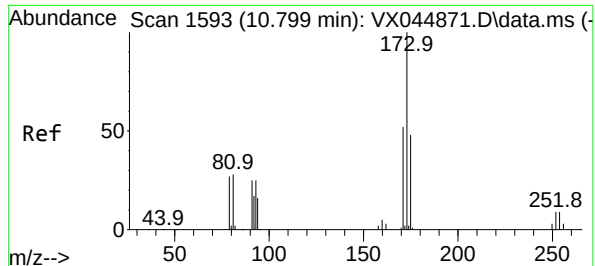
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

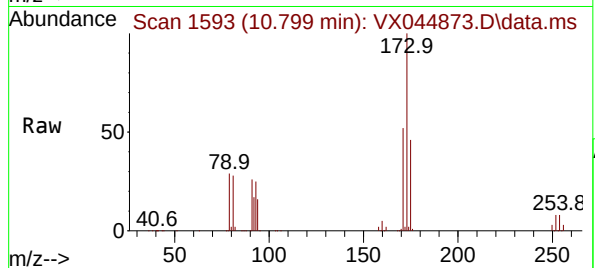
Tgt Ion:104 Resp: 671843
Ion Ratio Lower Upper
104 100
78 53.0 40.5 60.7
103 54.5 43.6 65.4





#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

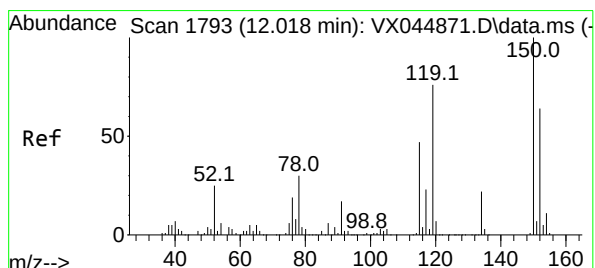
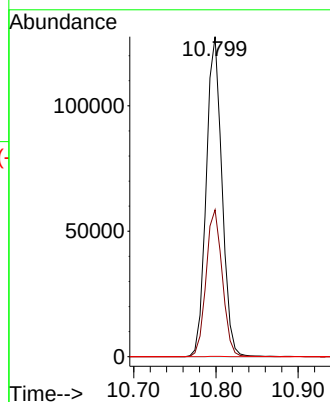
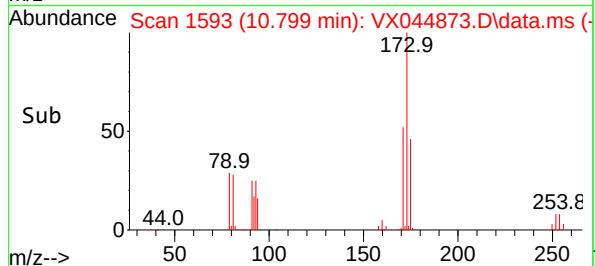
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



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

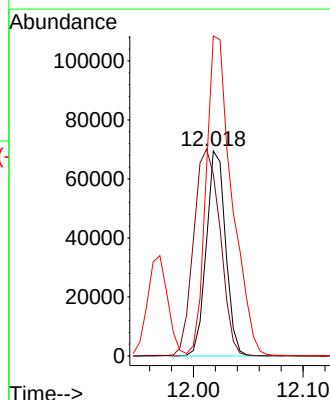
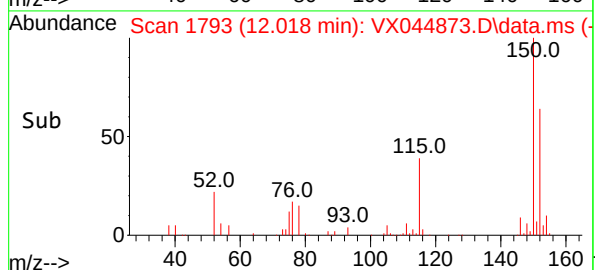
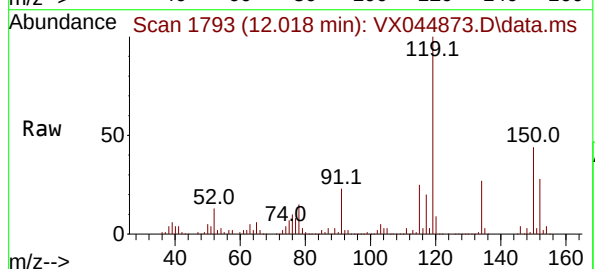
Manual Integrations
APPROVED

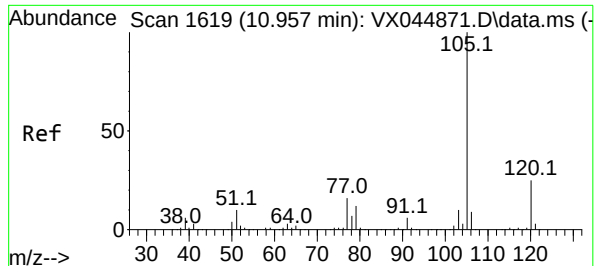
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





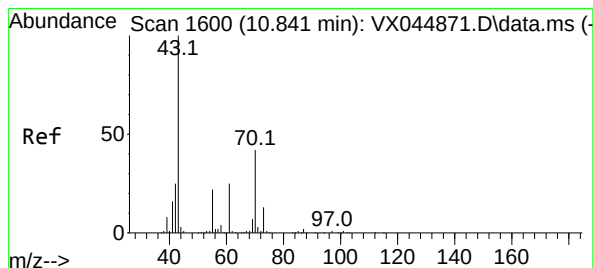
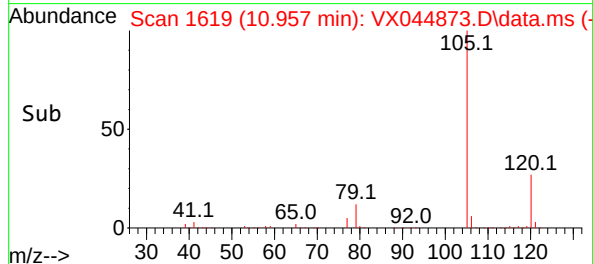
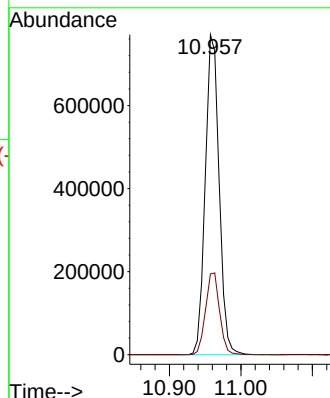
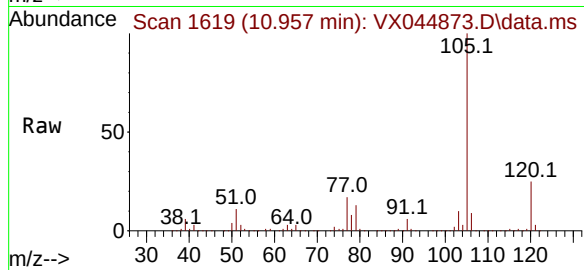
#73
Isopropylbenzene
Concen: 151.869 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

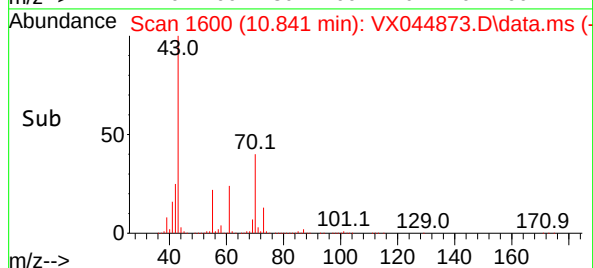
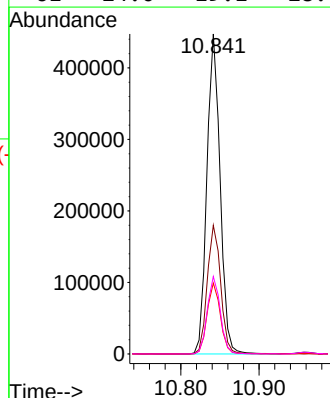
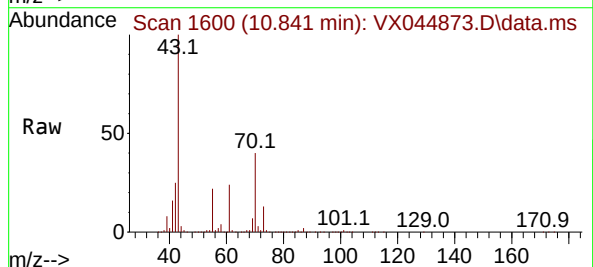
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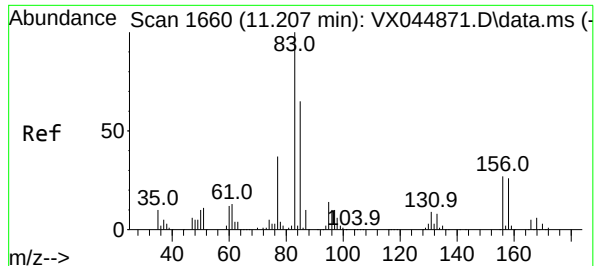
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





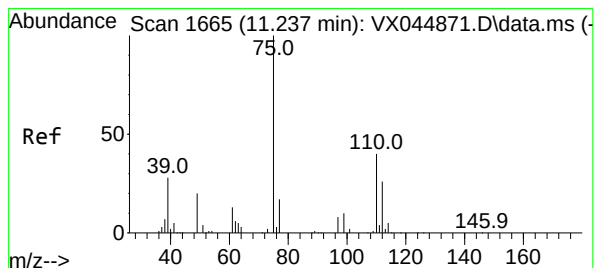
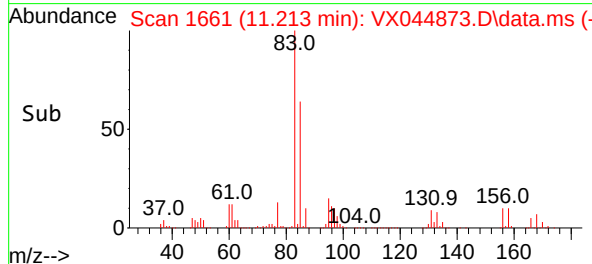
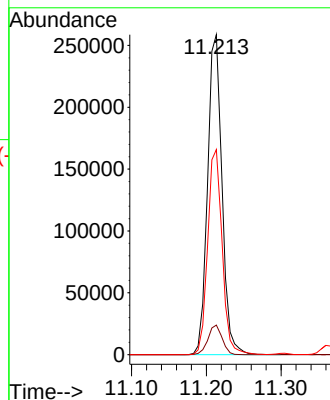
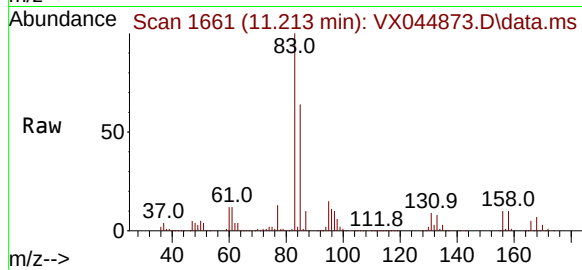
#75
1,1,2,2-Tetrachloroethane
Concen: 147.409 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

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

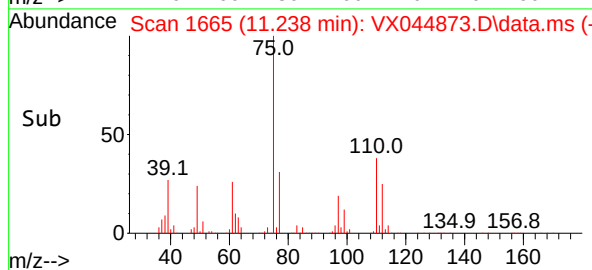
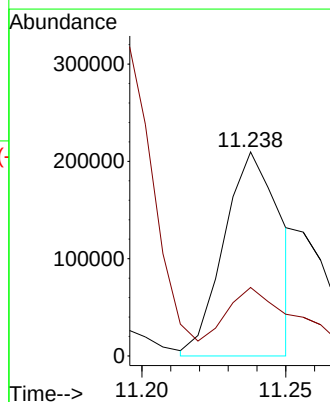
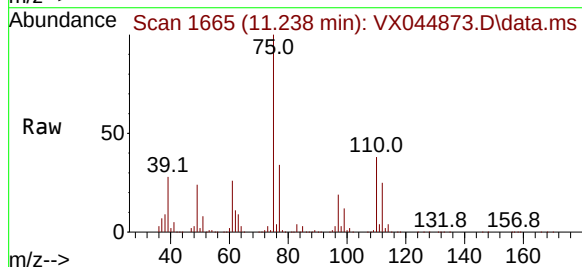
Manual Integrations
APPROVED

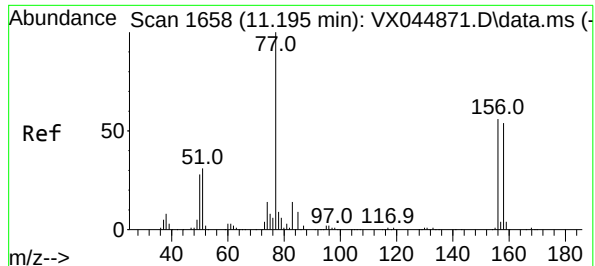
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

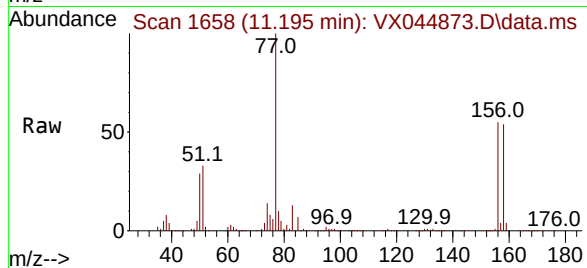
Tgt Ion: 75 Resp: 284934
Ion Ratio Lower Upper
75 100
77 44.3 21.9 65.7





#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

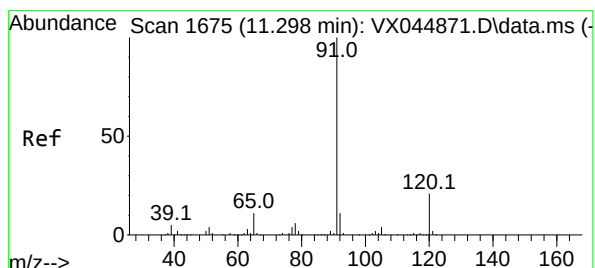
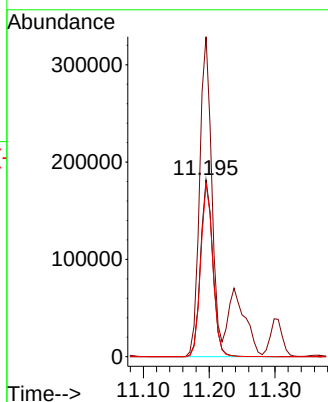
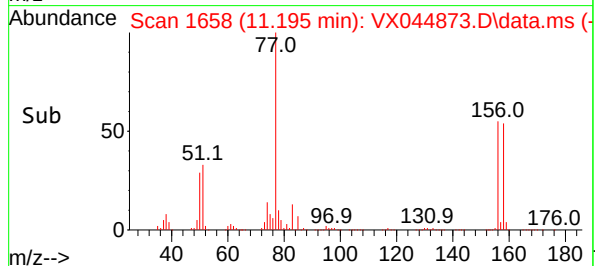
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



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

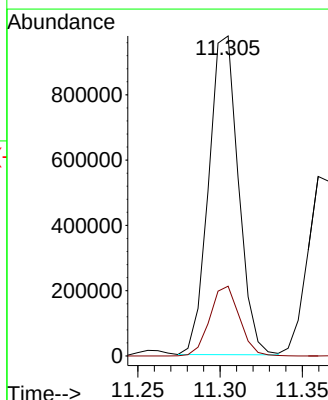
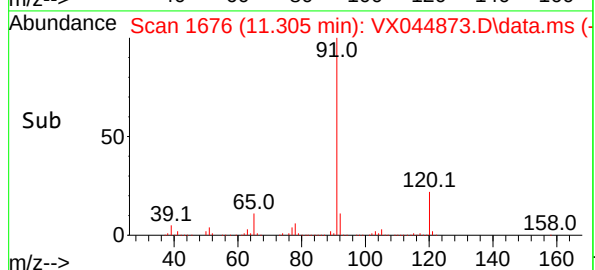
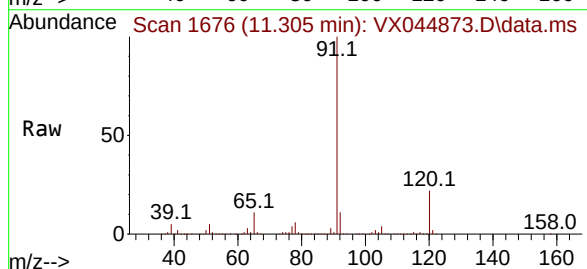
Manual Integrations
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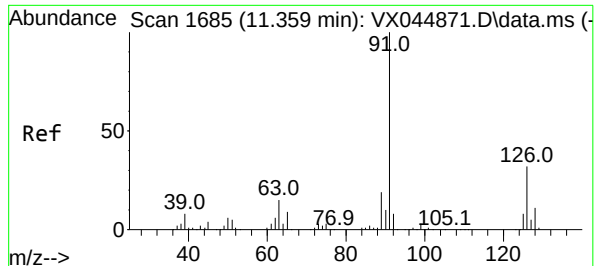
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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 :

VSTDICC150

Tgt Ion: 91 Resp: 717760

Ion Ratio Lower Upper

91 100

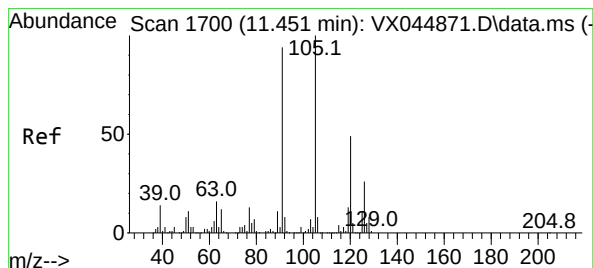
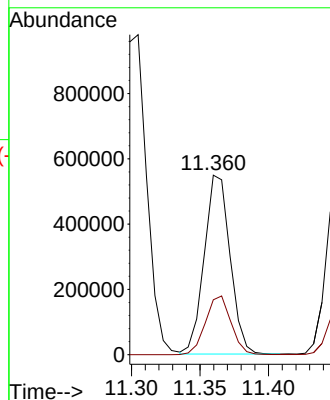
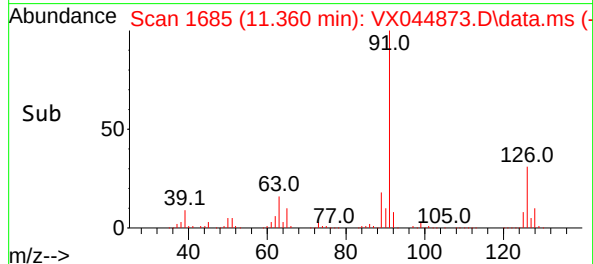
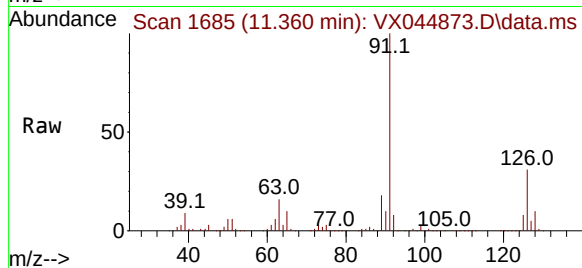
126 32.5 16.2 48.6

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

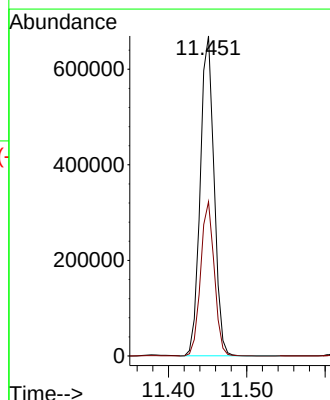
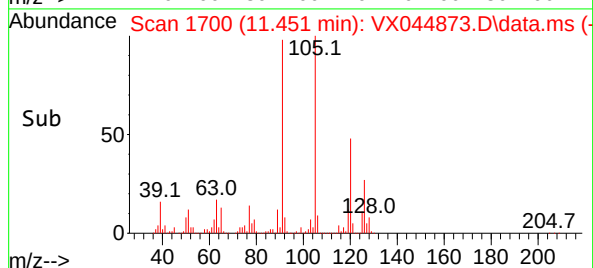
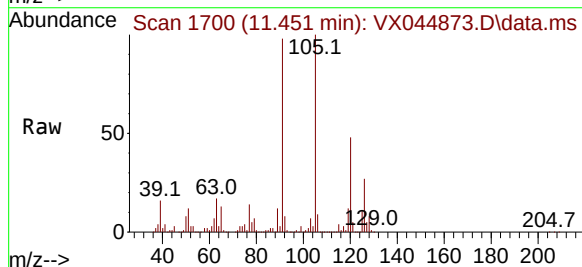
Acq: 10 Feb 2025 12:28

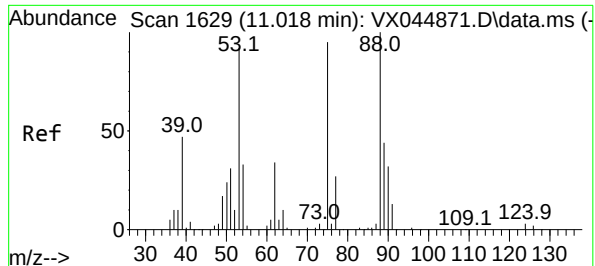
Tgt Ion:105 Resp: 822707

Ion Ratio Lower Upper

105 100

120 47.6 24.0 72.0





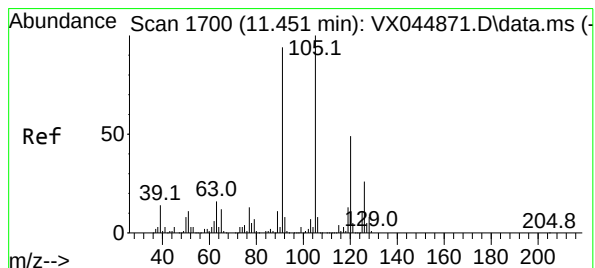
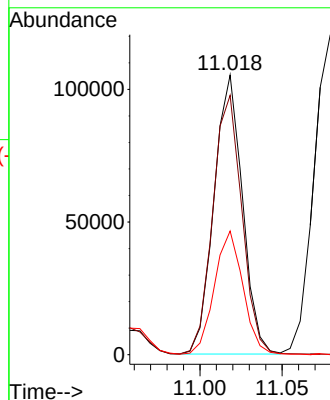
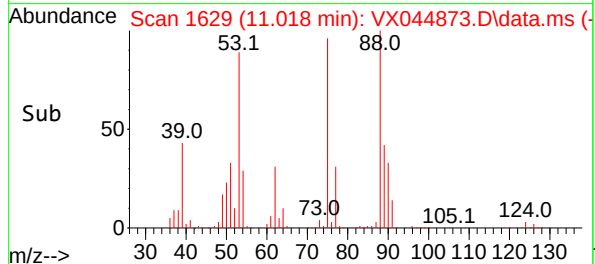
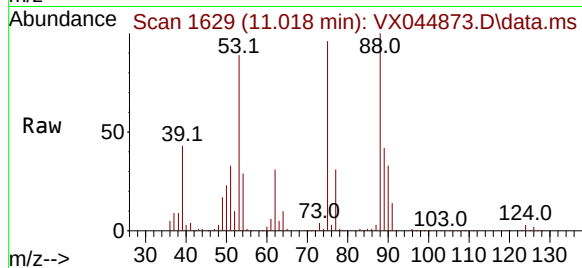
#81
trans-1,4-Dichloro-2-butene
Concen: 173.221 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

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

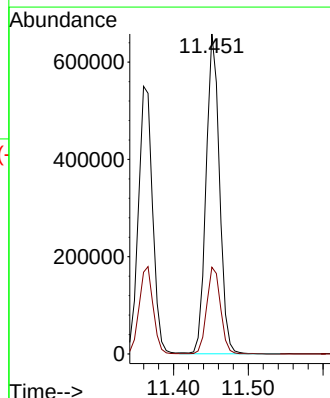
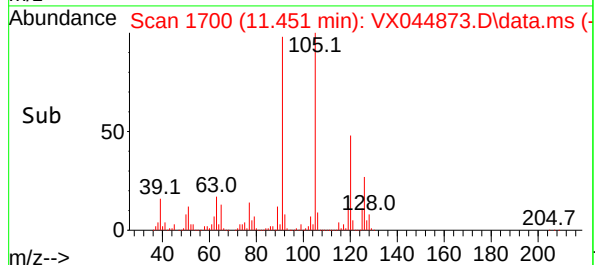
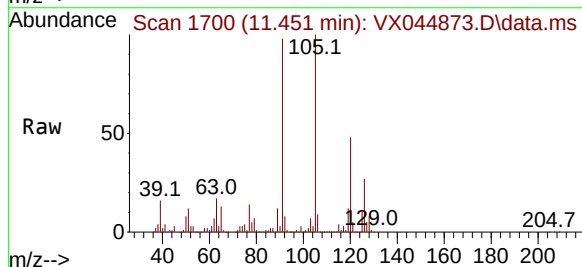
Manual Integrations
APPROVED

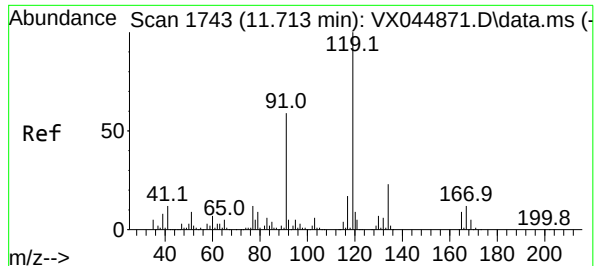
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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 :

VSTDIC150

Tgt Ion:119 Resp: 838979

Ion Ratio Lower Upper

119 100

91 61.1 29.1 87.4

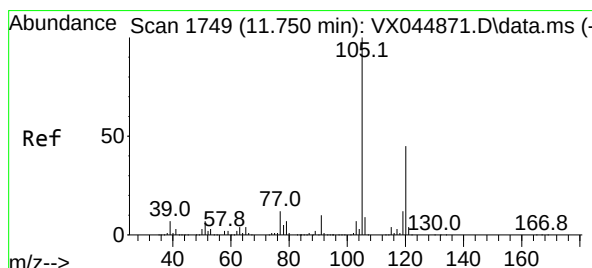
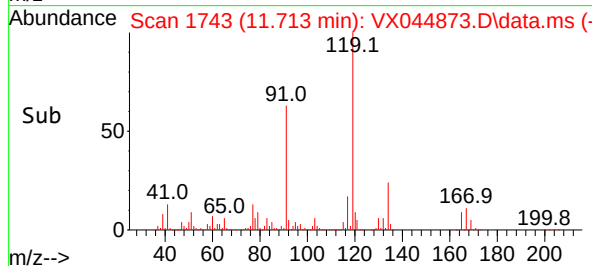
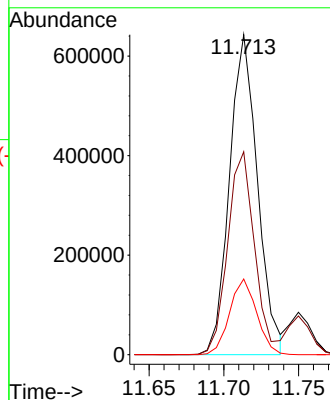
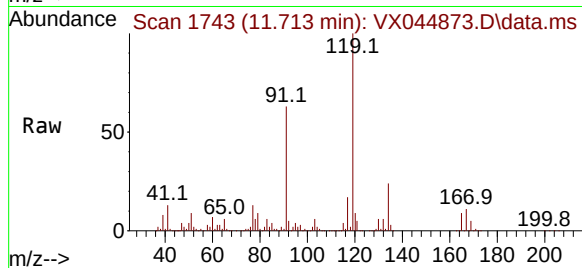
134 22.9 11.5 34.5

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

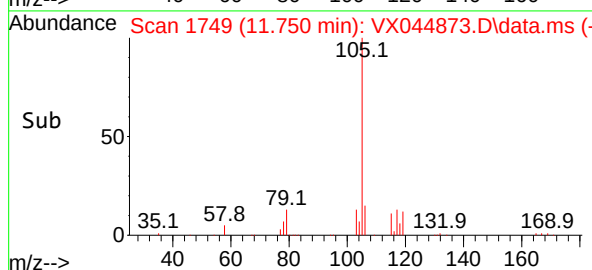
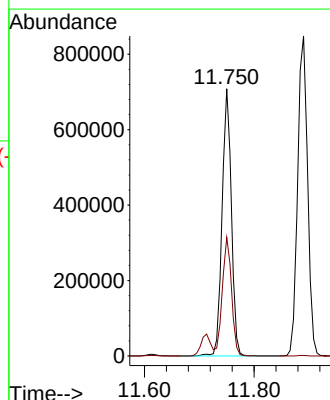
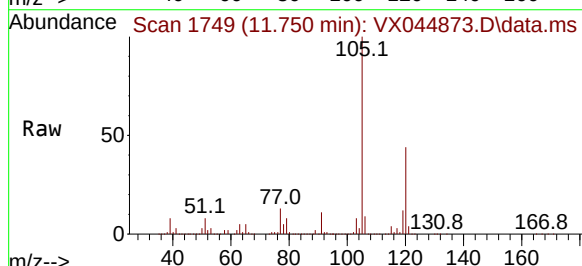
Acq: 10 Feb 2025 12:28

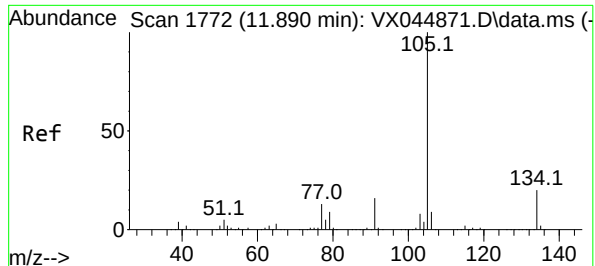
Tgt Ion:105 Resp: 838584

Ion Ratio Lower Upper

105 100

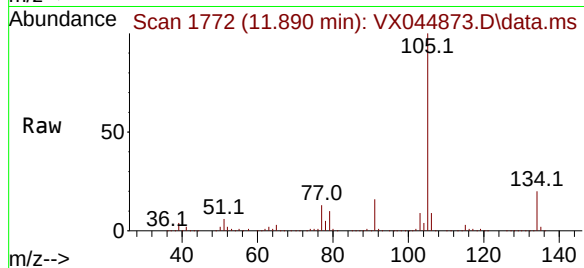
120 44.2 22.4 67.0





#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

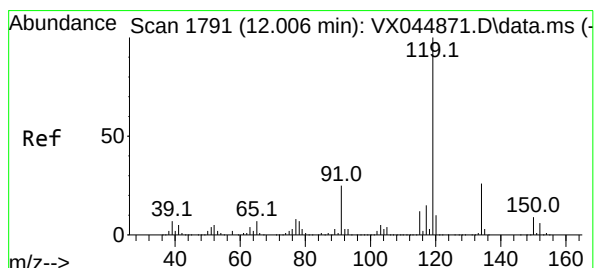
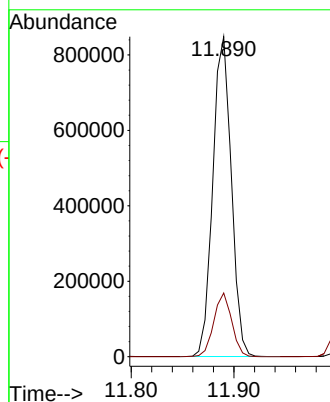
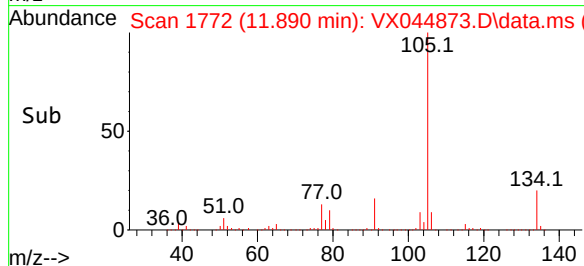
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:105 Resp: 106110
Ion Ratio Lower Upper
105 100
134 19.3 9.8 29.3

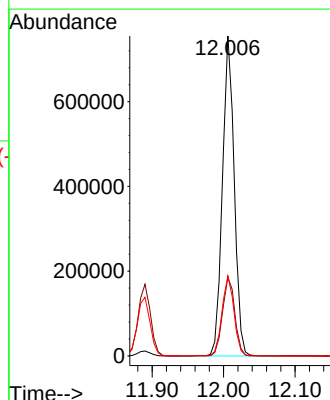
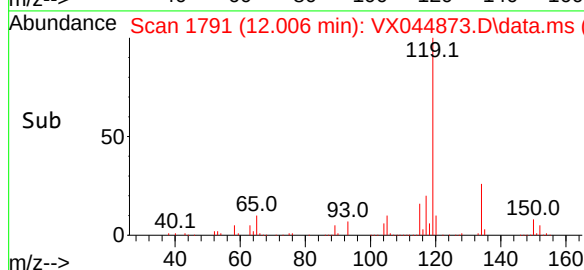
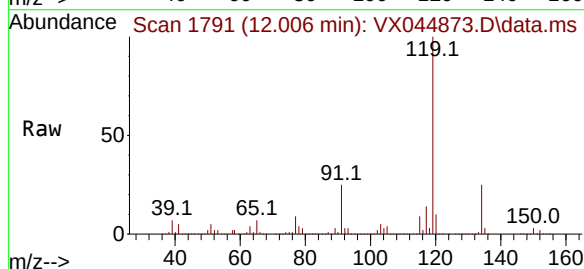
Manual Integrations
APPROVED

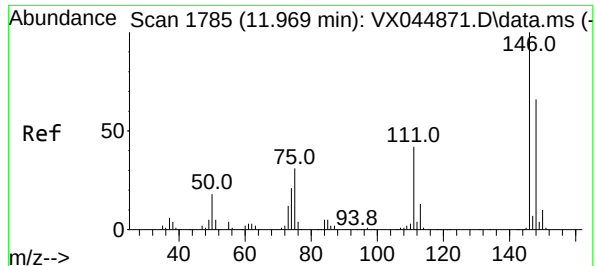
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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 :

VSTDIC150

Tgt Ion:146 Resp: 433384

Ion Ratio Lower Upper

146 100

111 43.0 21.2 63.6

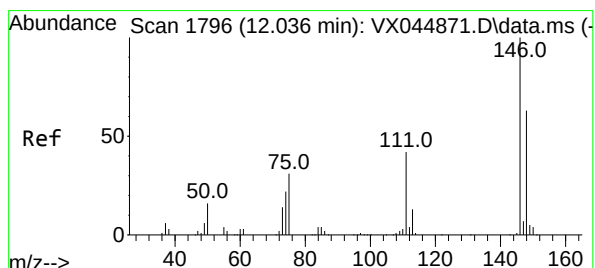
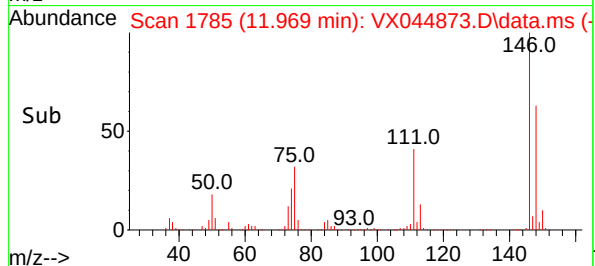
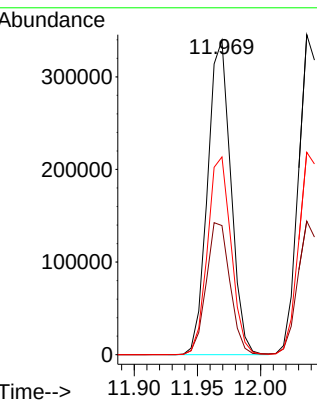
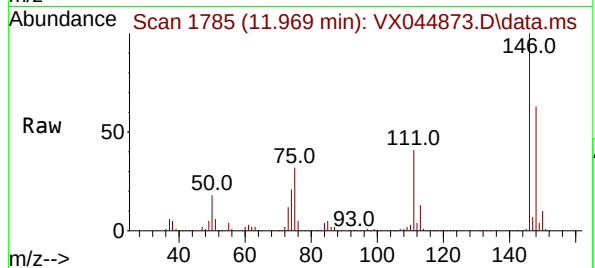
148 63.9 32.5 97.5

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

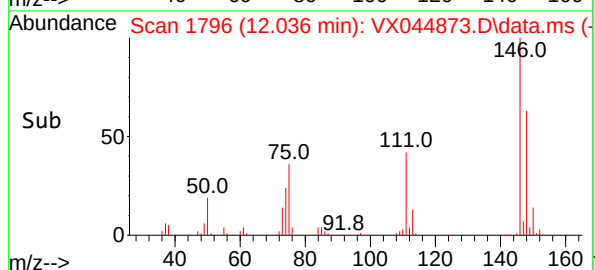
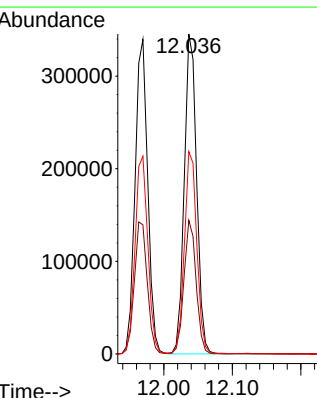
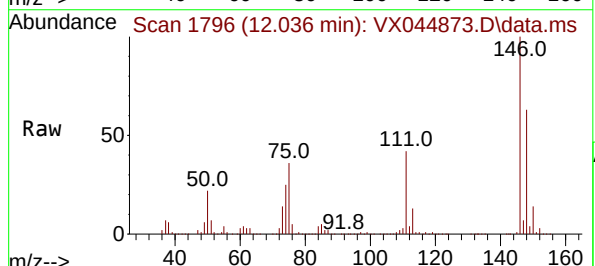
Tgt Ion:146 Resp: 432987

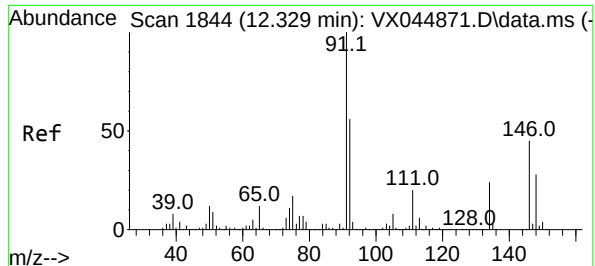
Ion Ratio Lower Upper

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: 827359

Ion Ratio Lower Upper

91 100

92 54.2 27.2 81.6

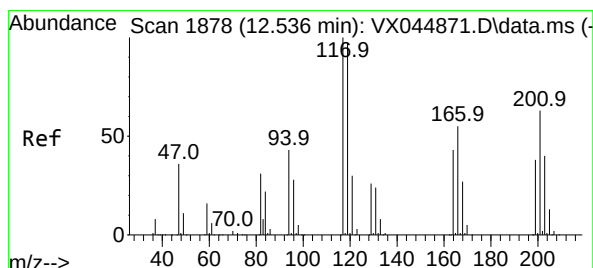
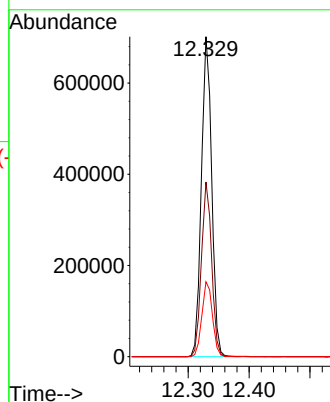
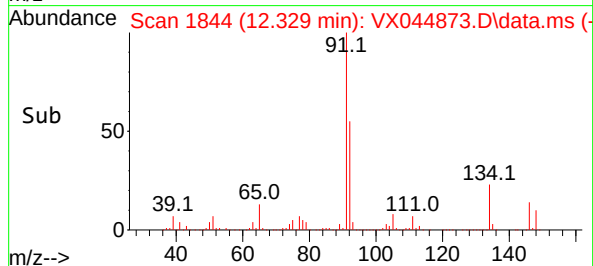
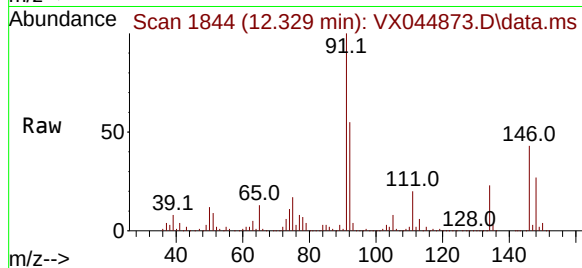
134 24.0 12.1 36.3

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

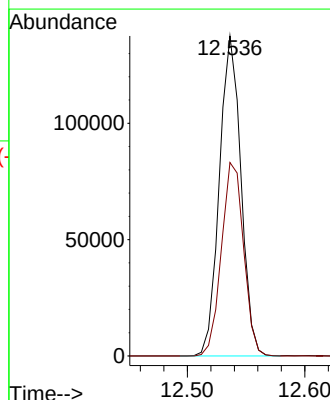
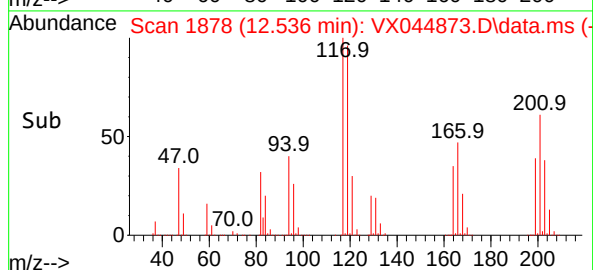
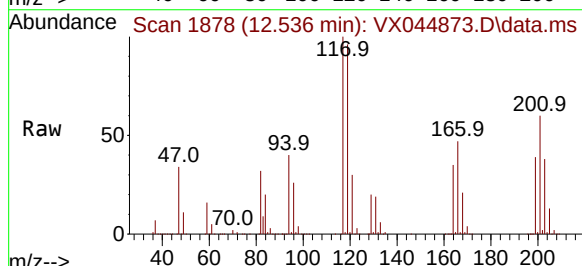
Acq: 10 Feb 2025 12:28

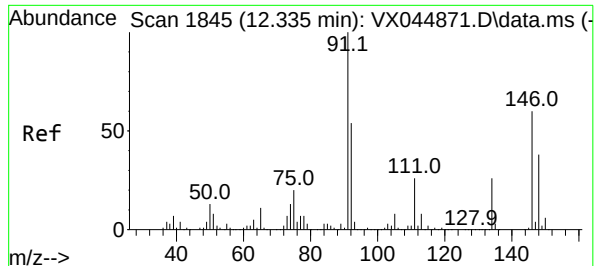
Tgt Ion:117 Resp: 175414

Ion Ratio Lower Upper

117 100

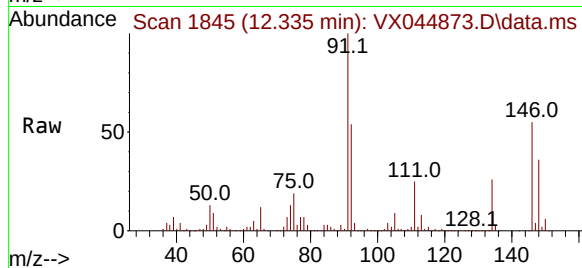
201 62.4 32.5 97.5





#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

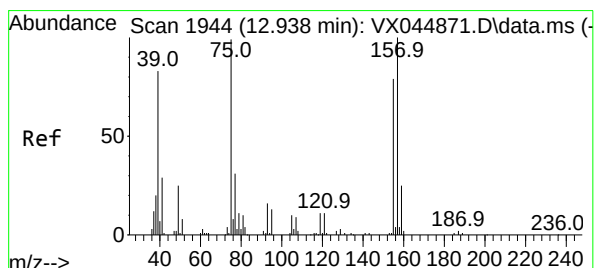
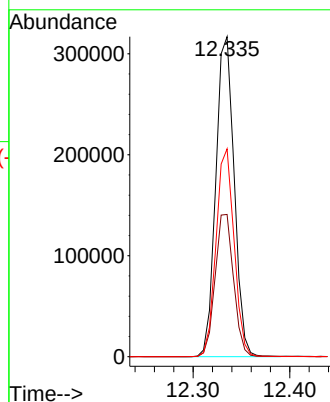
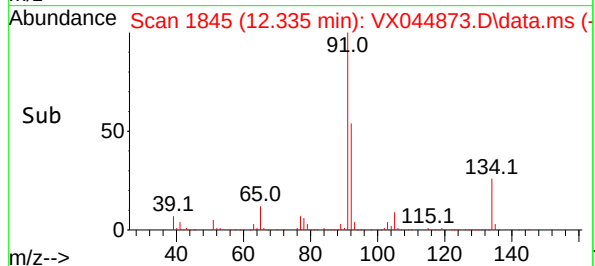
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



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

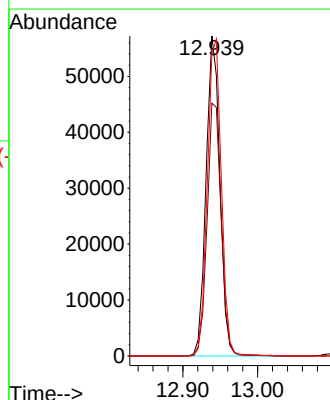
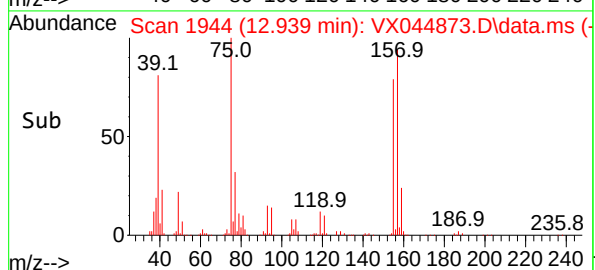
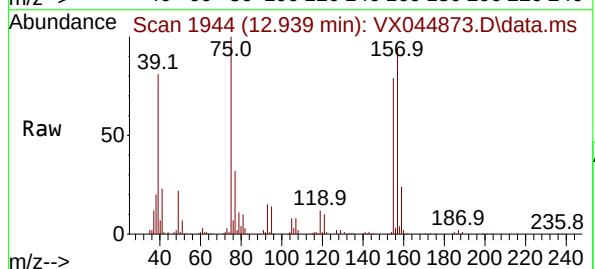
Manual Integrations
APPROVED

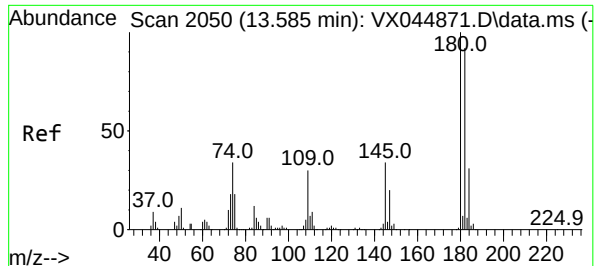
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

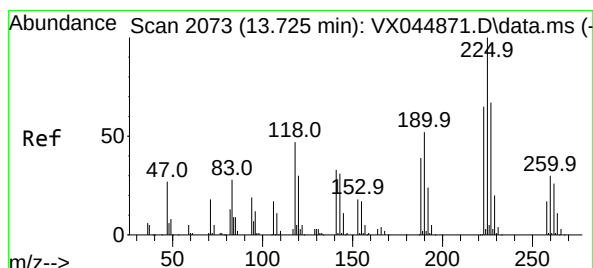
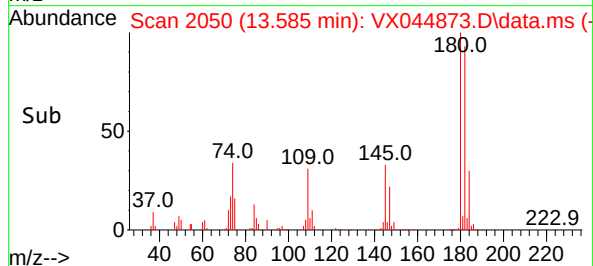
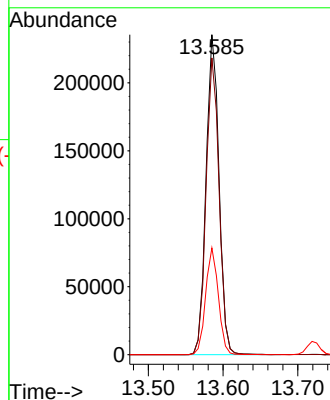
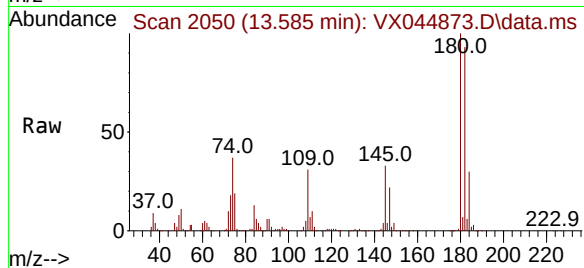
145 32.8 16.4 49.1

Manual Integrations

APPROVED

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

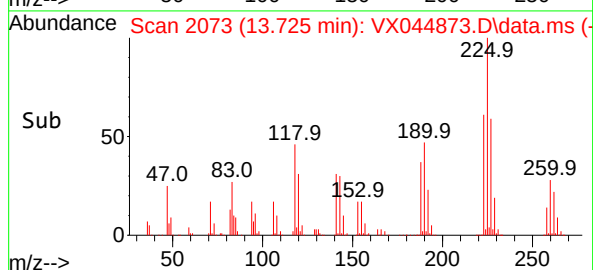
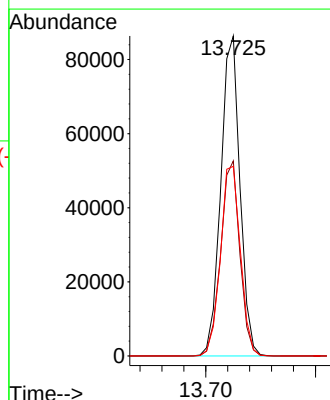
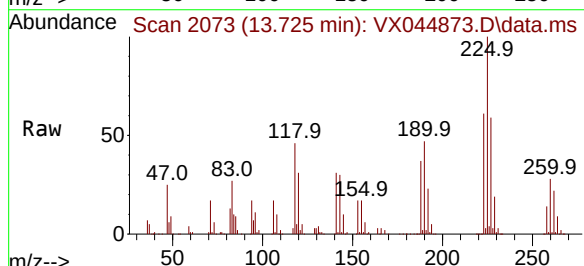
Tgt Ion:225 Resp: 104674

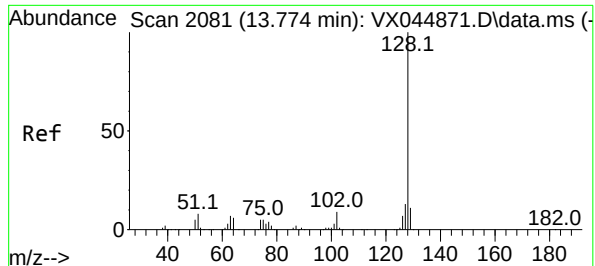
Ion Ratio Lower Upper

225 100

223 60.9 31.4 94.2

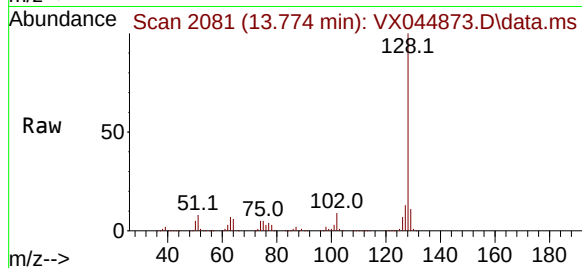
227 61.9 32.3 96.8





#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

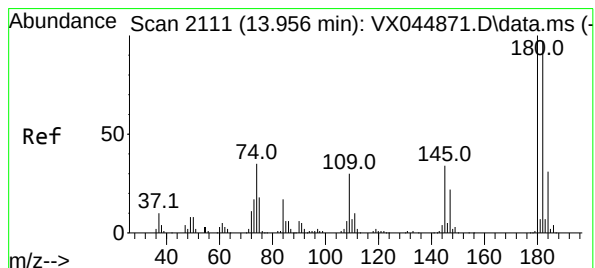
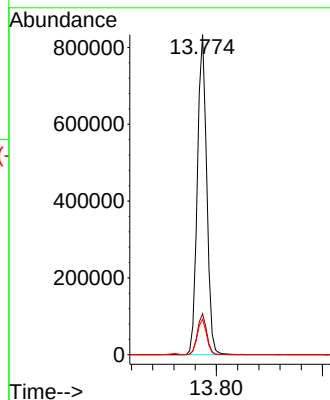
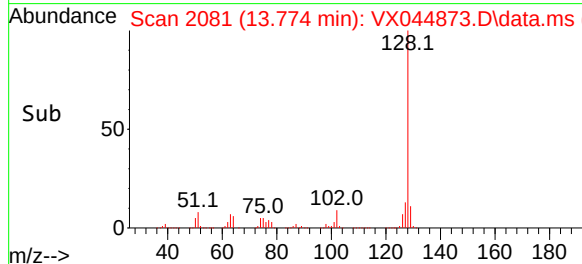
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



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

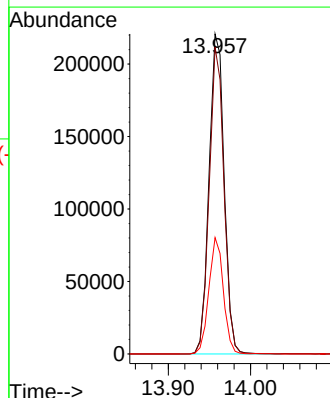
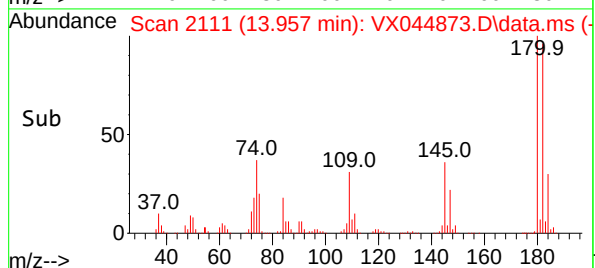
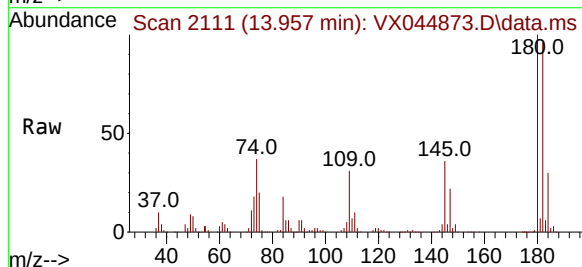
Manual Integrations
APPROVED

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

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
 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

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
 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	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

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
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

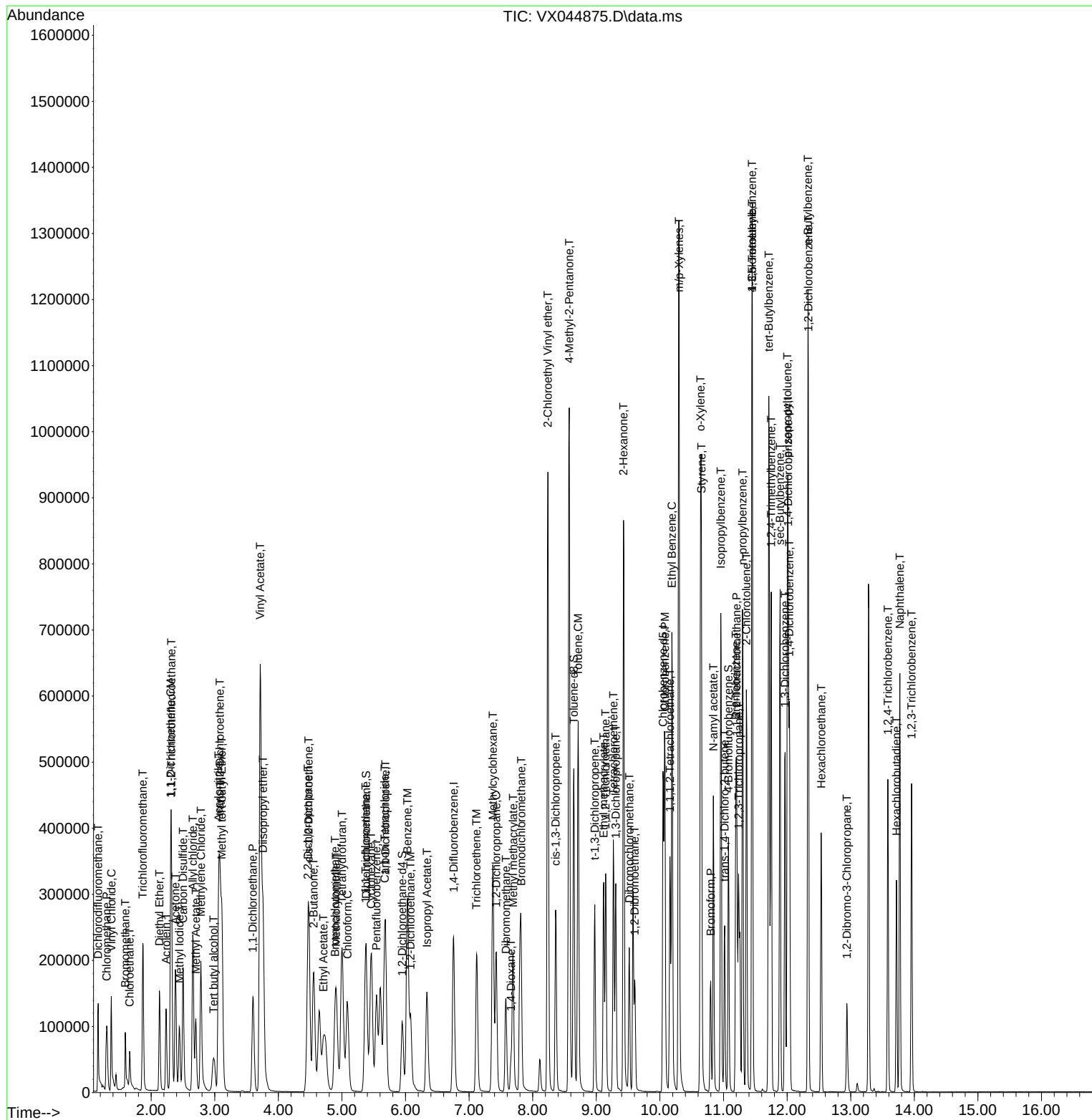
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Data File : VX044875.D  
Acq On    : 10 Feb 2025  13:15  
Operator  : JC/MD  
Sample    : VSTDICV050  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 10   Sample Multiplier: 1
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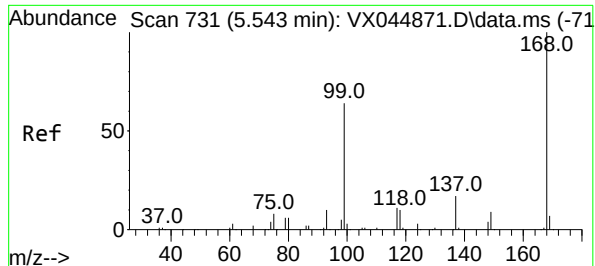
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations

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

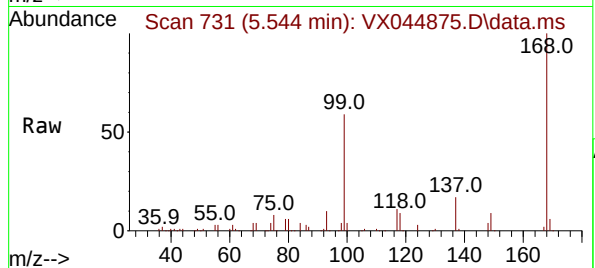
Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration





#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

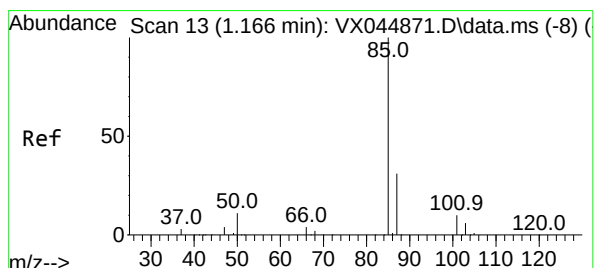
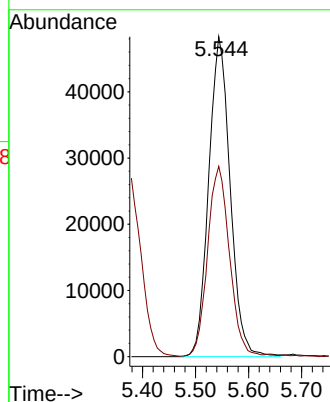
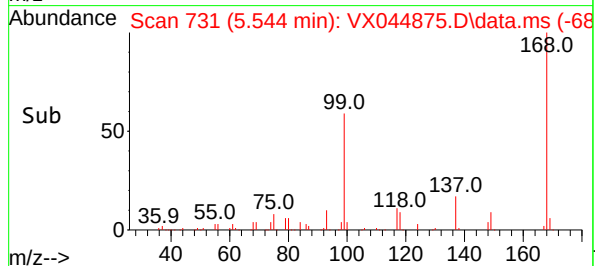
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025



Tgt Ion:168 Resp: 135930
Ion Ratio Lower Upper
168 100
99 59.3 51.2 76.8

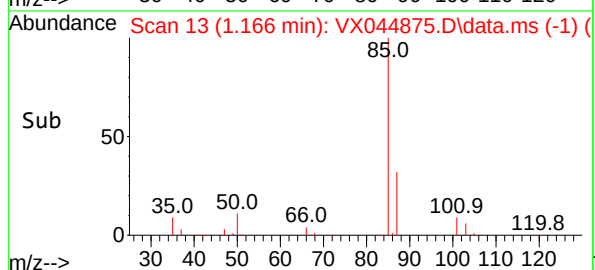
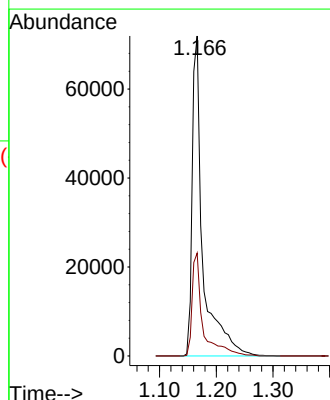
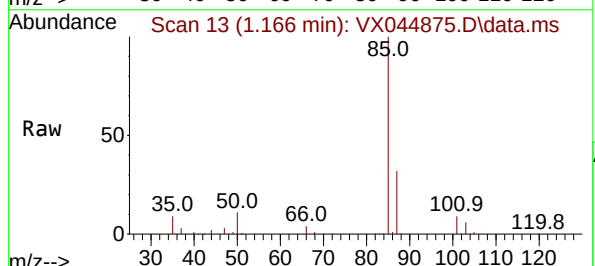
Manual Integrations
APPROVED

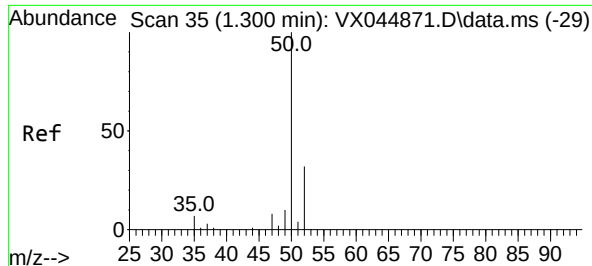
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#2
Dichlorodifluoromethane
Concen: 49.173 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

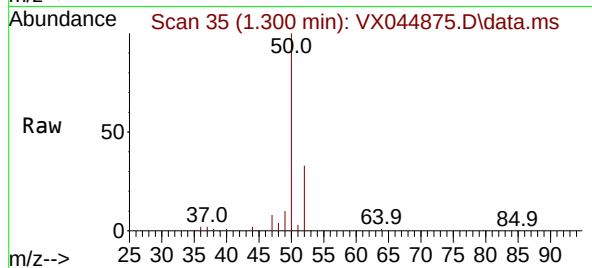
Tgt Ion: 85 Resp: 93752
Ion Ratio Lower Upper
85 100
87 32.1 15.8 47.3





#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

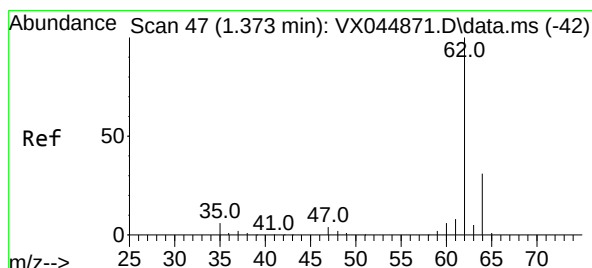
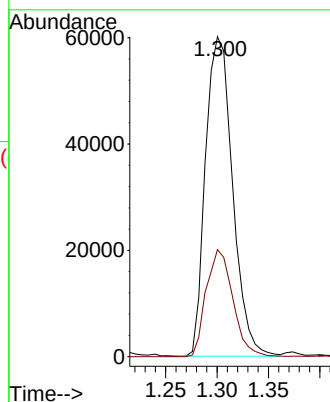
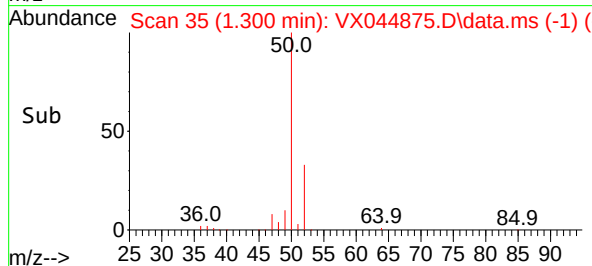
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025



Tgt Ion: 50 Resp: 11043
Ion Ratio Lower Upper
50 100
52 33.5 25.9 38.9

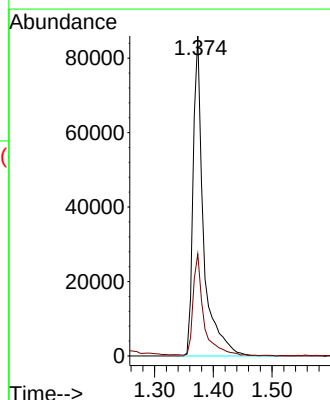
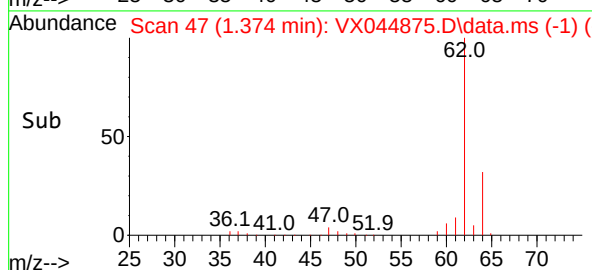
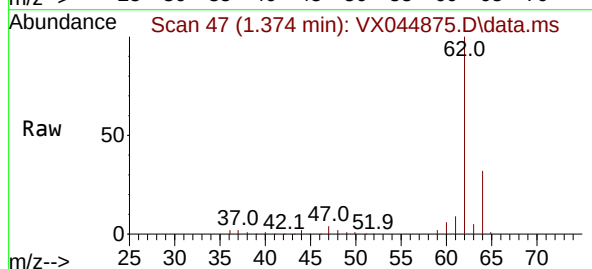
Manual Integrations
APPROVED

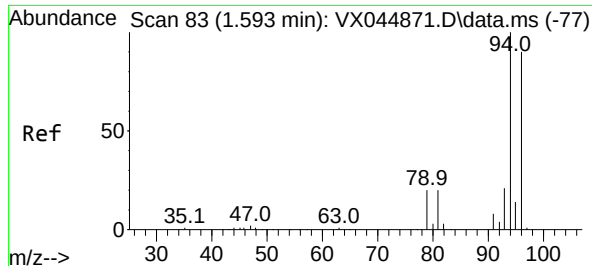
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





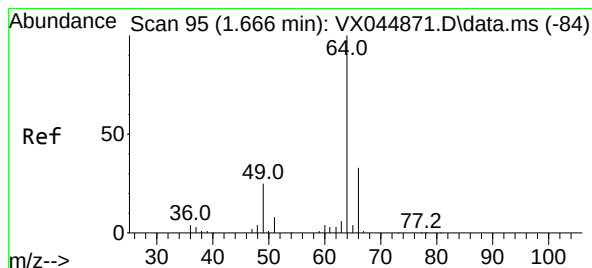
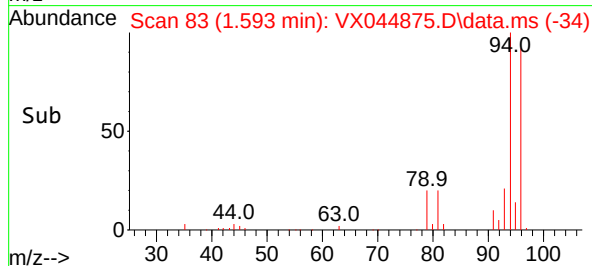
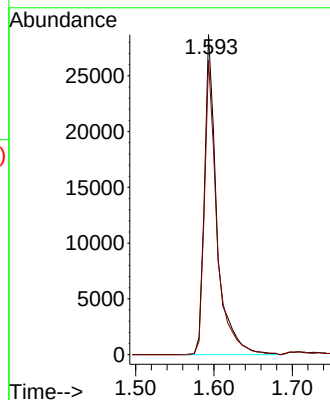
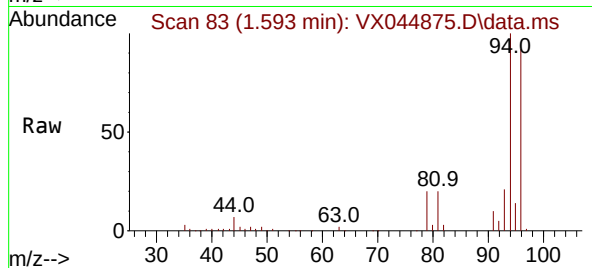
#5
Bromomethane
Concen: 46.719 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 94 Resp: 31428
Ion Ratio Lower Upper
94 100
96 92.0 71.6 107.4

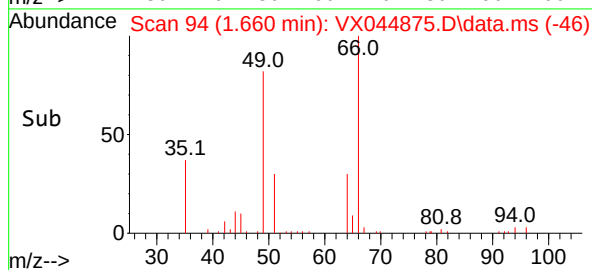
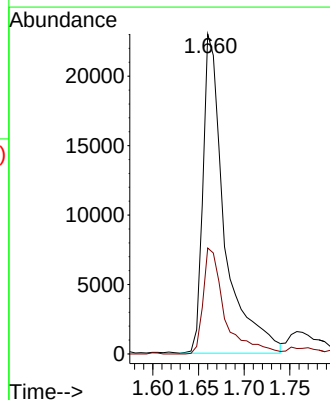
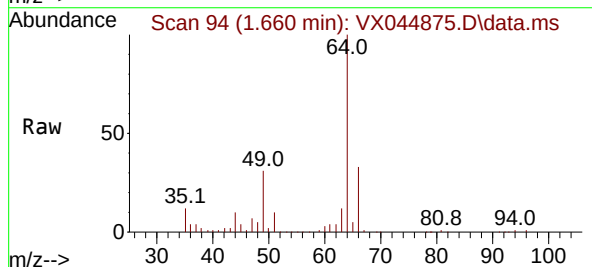
Manual Integrations
APPROVED

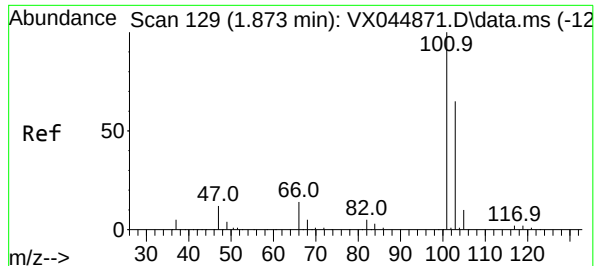
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

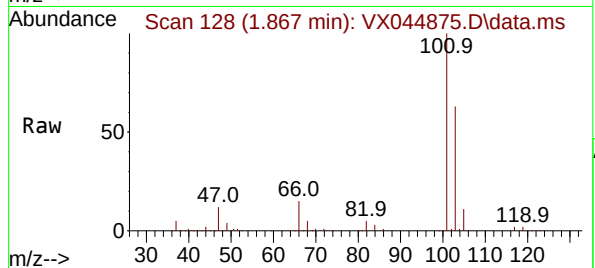
Tgt Ion: 64 Resp: 37913
Ion Ratio Lower Upper
64 100
66 33.2 25.9 38.9





#7
Trichlorofluoromethane
Concen: 48.558 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

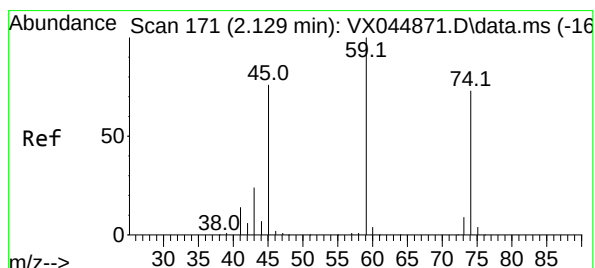
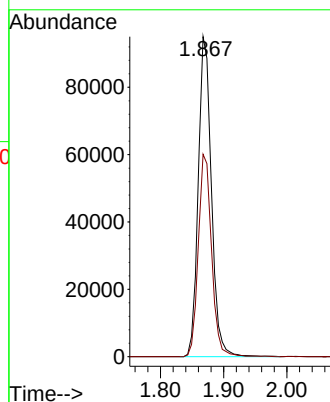
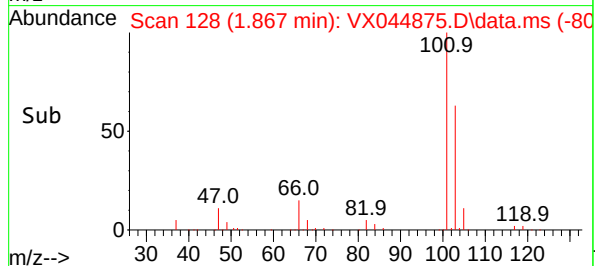
Instrument :
MSVOA_X
ClientSampleId :
ICVX021025



Tgt Ion:101 Resp: 13804
Ion Ratio Lower Upper
101 100
103 63.3 52.4 78.6

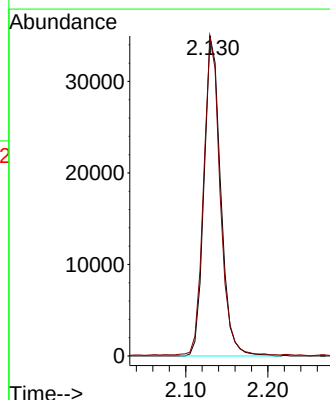
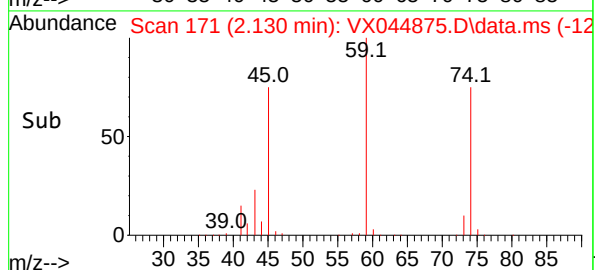
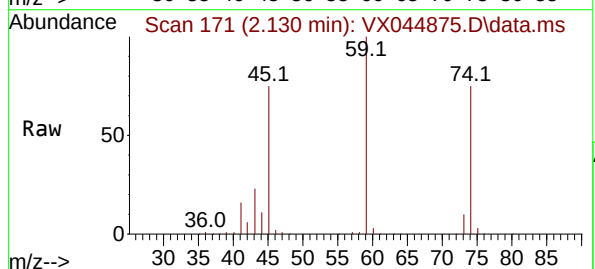
Manual Integrations
APPROVED

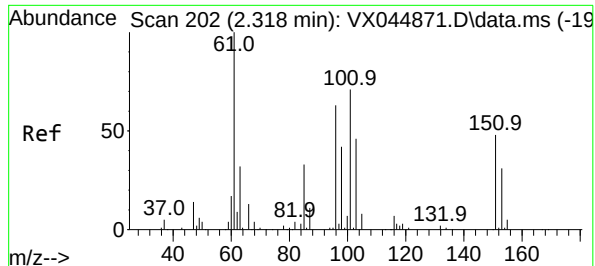
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#8
Diethyl Ether
Concen: 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 :

ICVVX021025

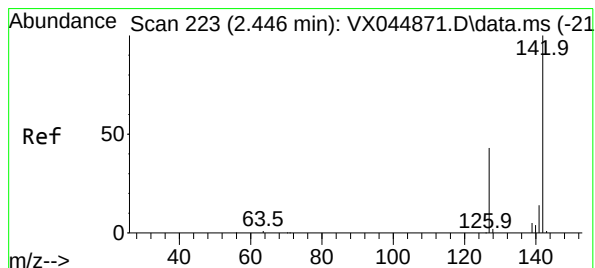
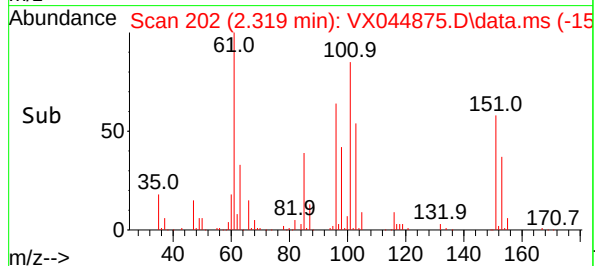
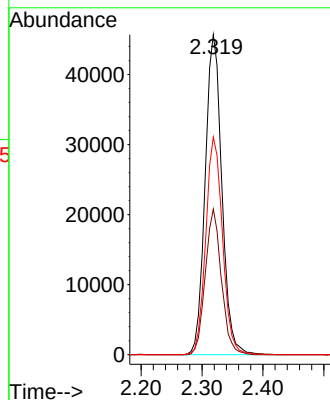
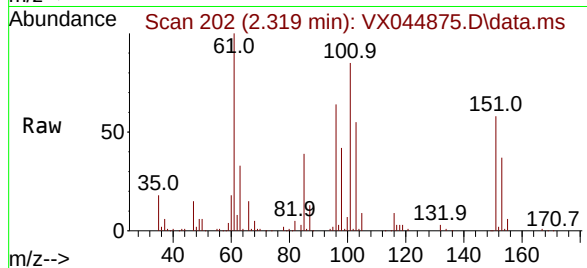
Tgt Ion:	101	Resp:	8689
Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.7	53.5
151	68.4	56.0	84.0

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

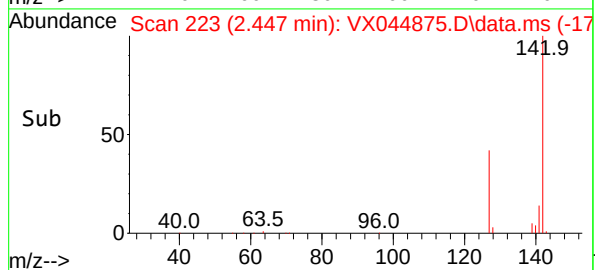
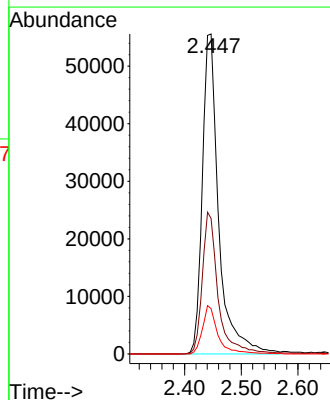
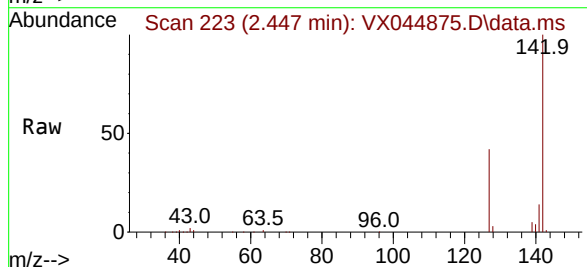
RT: 2.447 min Scan# 223

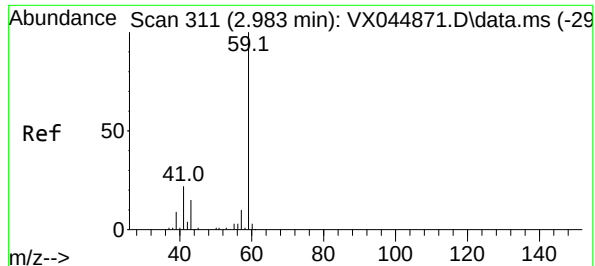
Delta R.T. 0.000 min

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 :

ICVVX021025

Tgt Ion: 59 Resp: 92949

Ion Ratio Lower Upper

59 100

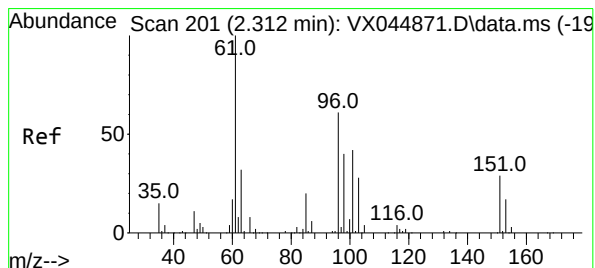
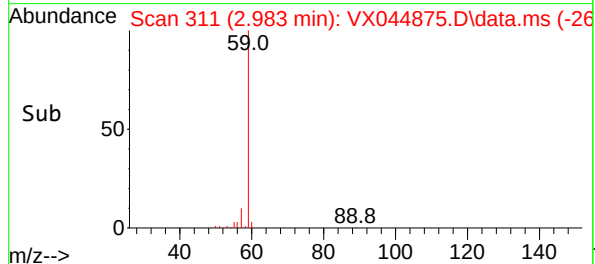
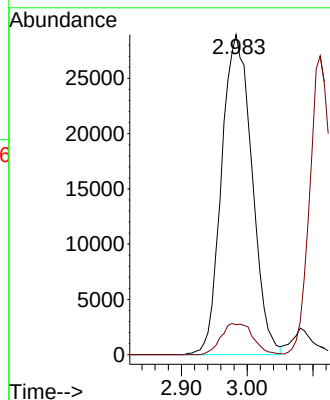
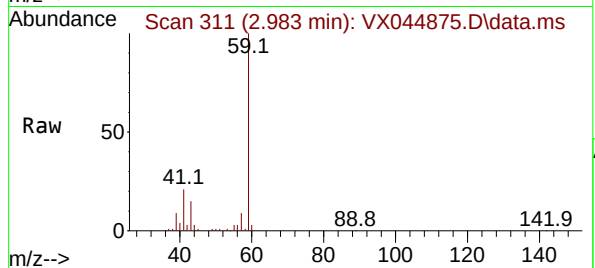
57 10.3 8.1 12.1

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

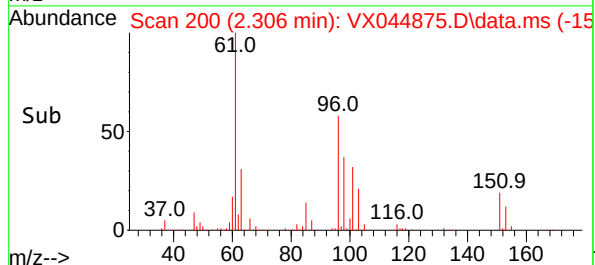
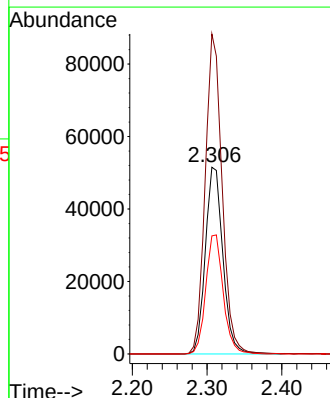
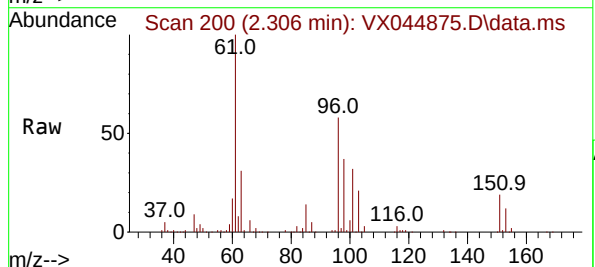
Tgt Ion: 96 Resp: 83987

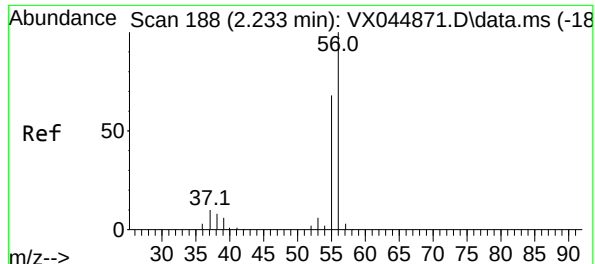
Ion Ratio Lower Upper

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# 11

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 56 Resp: 91744

Ion Ratio Lower Upper

56 100

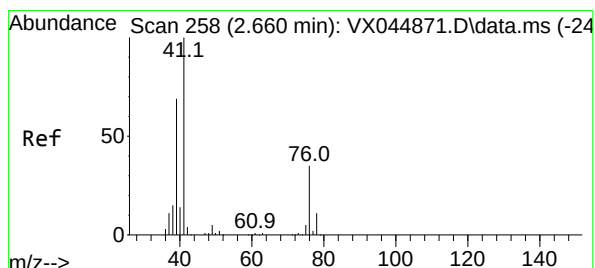
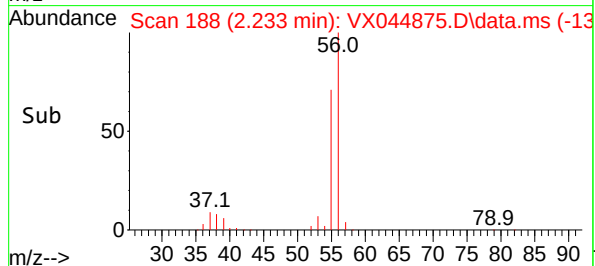
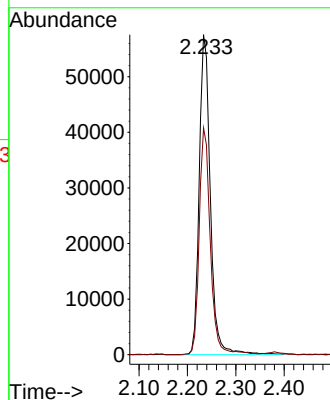
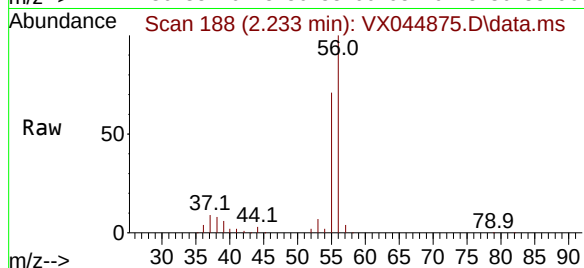
55 71.0 55.7 83.5

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

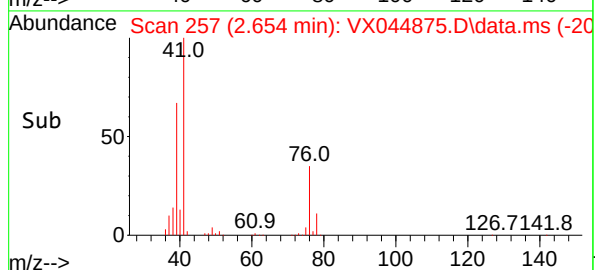
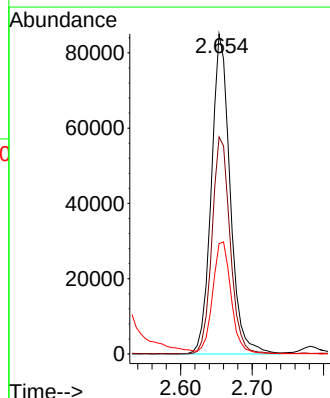
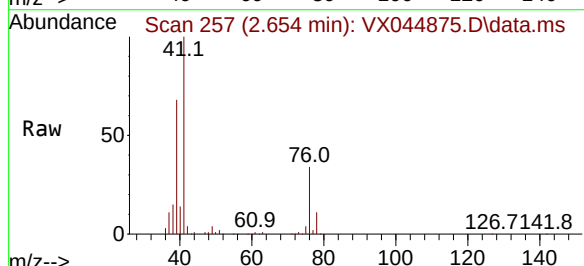
Tgt Ion: 41 Resp: 155084

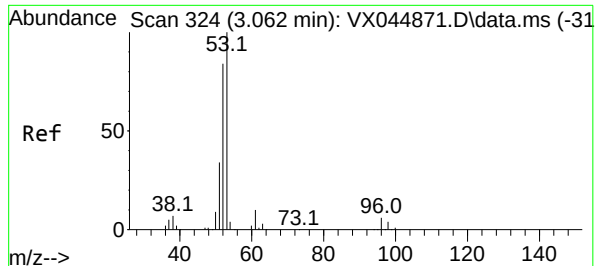
Ion Ratio Lower Upper

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 :

ICVX021025

Tgt Ion: 53 Resp: 24792

Ion Ratio Lower Upper

53 100

52 82.3 65.0 97.6

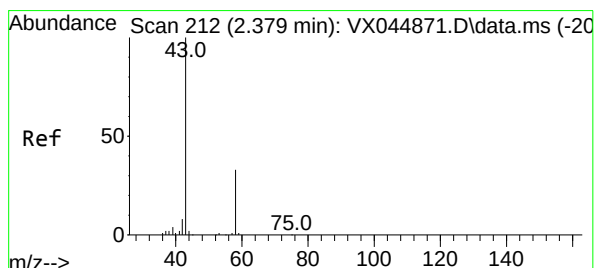
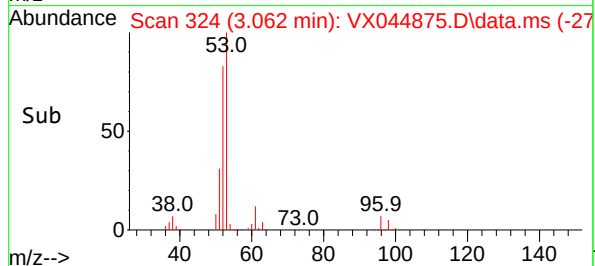
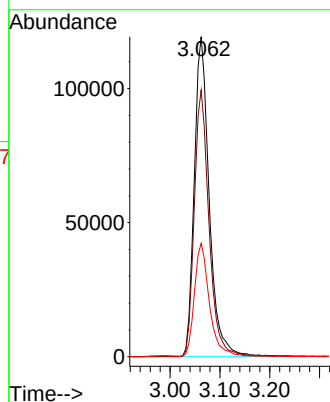
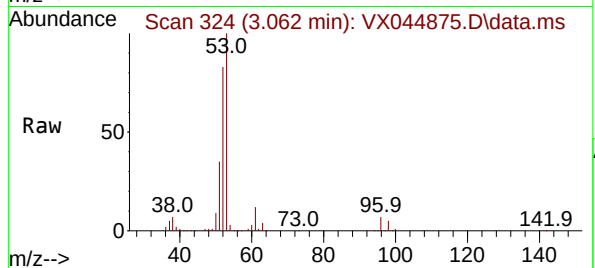
51 35.7 28.0 42.0

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

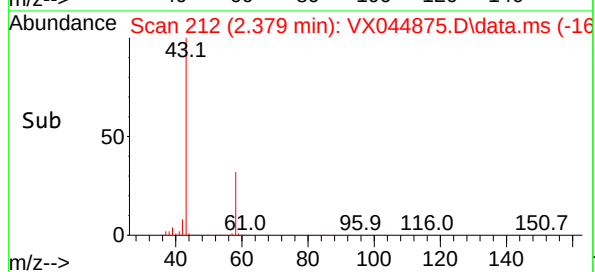
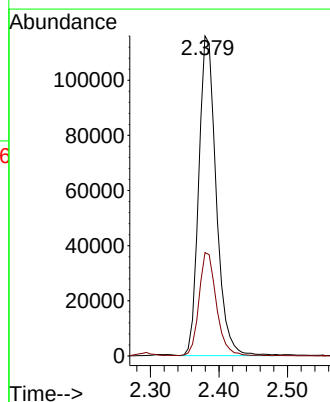
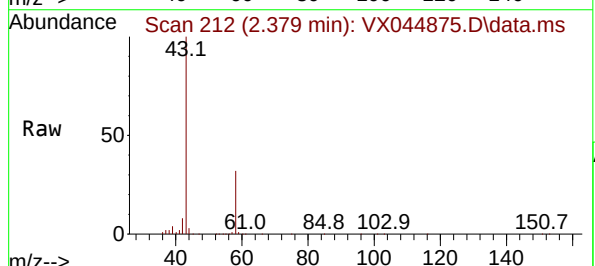
Acq: 10 Feb 2025 13:15

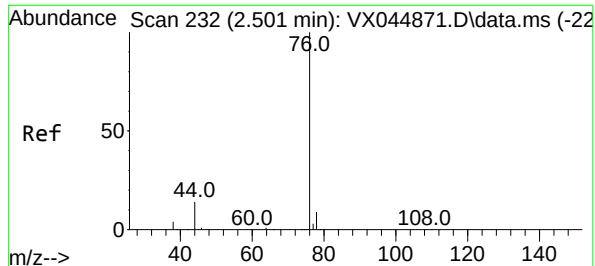
Tgt Ion: 43 Resp: 205743

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

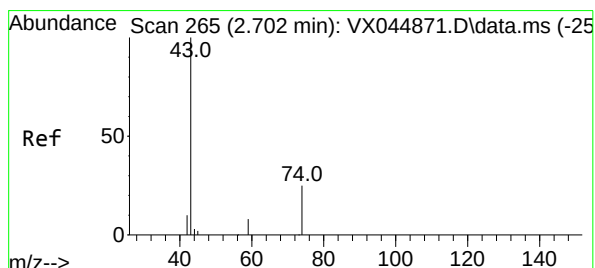
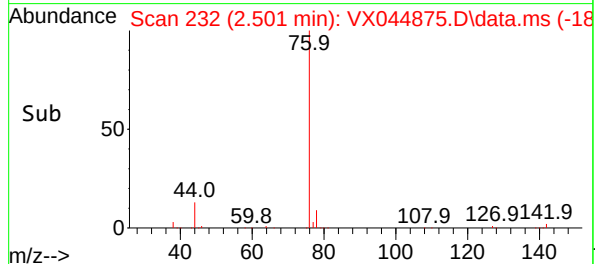
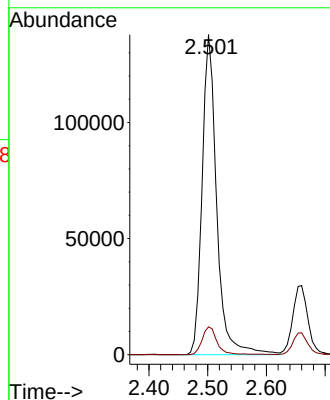
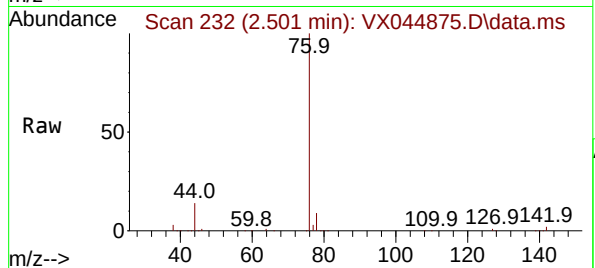
78 8.7 7.0 10.4

Manual Integrations

APPROVED

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

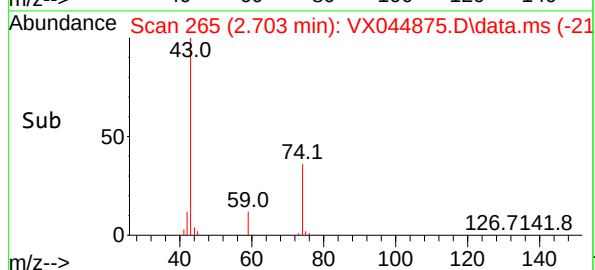
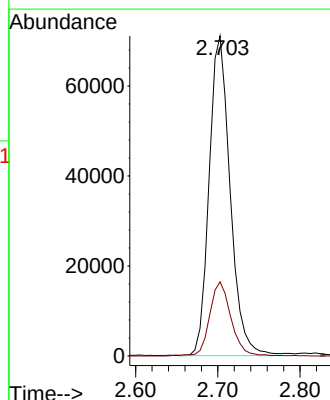
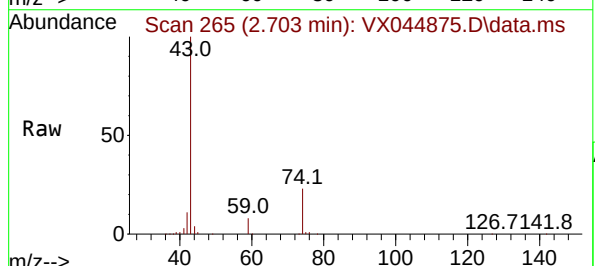
Acq: 10 Feb 2025 13:15

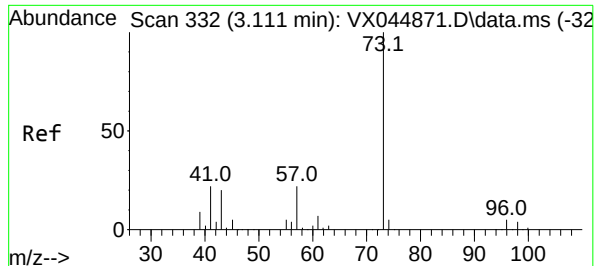
Tgt Ion: 43 Resp: 126015

Ion Ratio Lower Upper

43 100

74 23.7 18.9 28.3





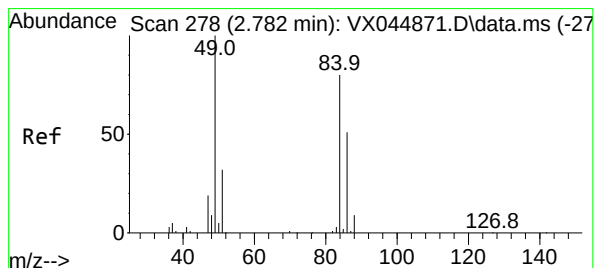
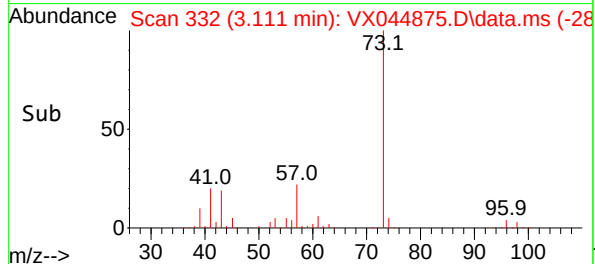
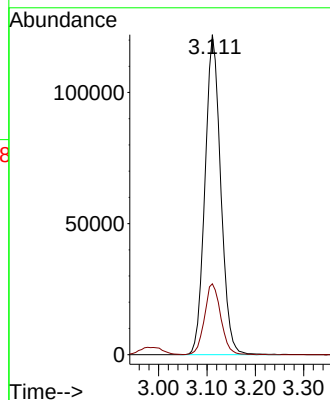
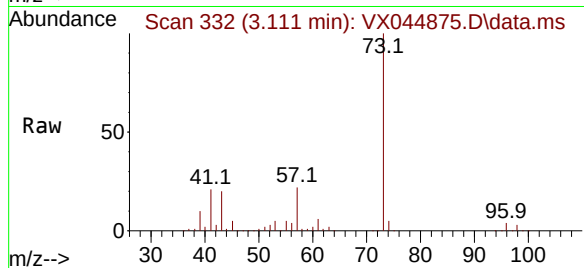
#19
Methyl tert-butyl Ether
Concen: 49.453 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 73 Resp: 27568
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9

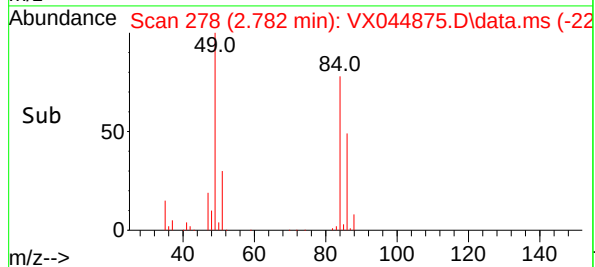
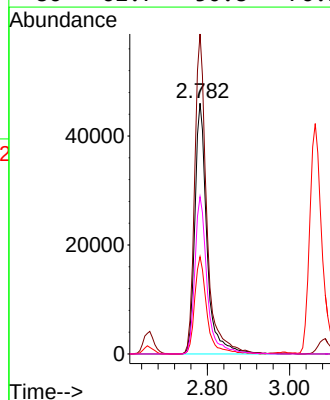
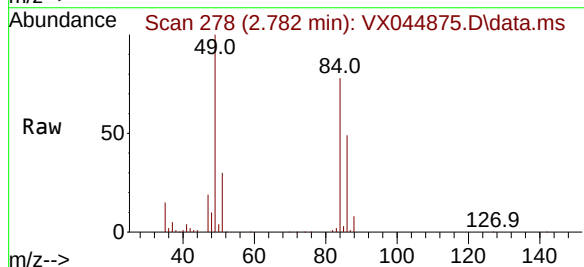
Manual Integrations
APPROVED

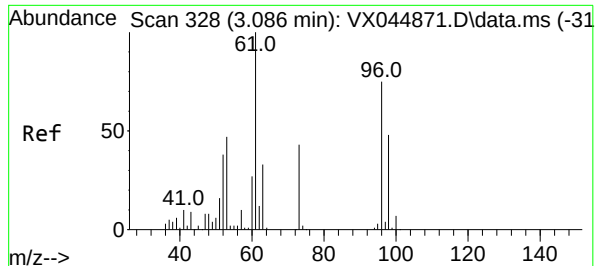
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

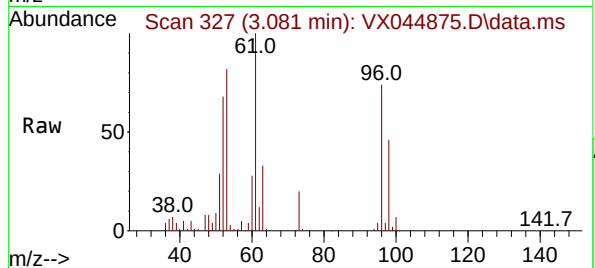
Tgt Ion: 84 Resp: 94006
Ion Ratio Lower Upper
84 100
49 127.6 100.1 150.1
51 38.8 31.7 47.5
86 62.7 50.8 76.2





#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

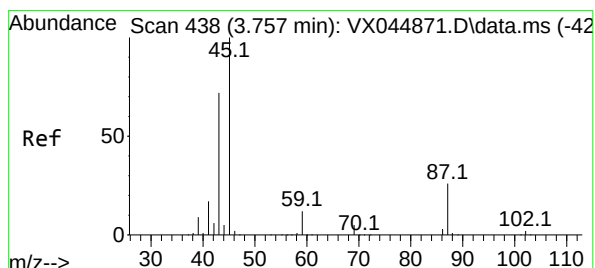
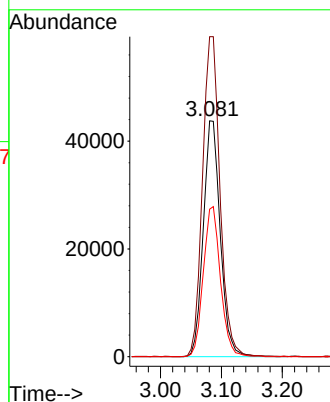
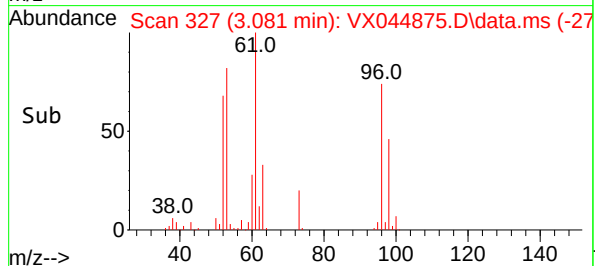
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025



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

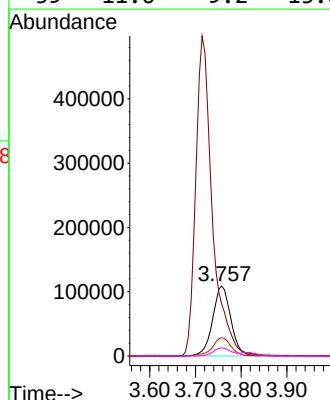
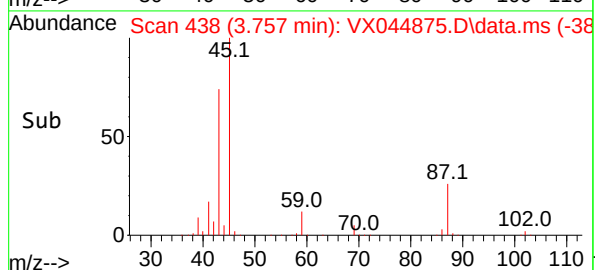
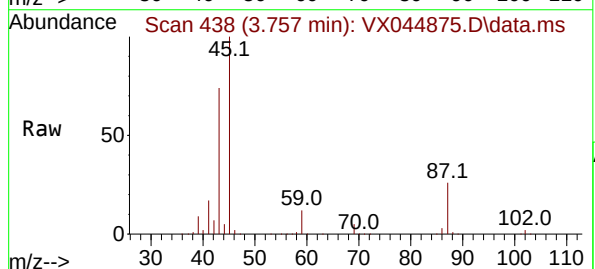
Manual Integrations
APPROVED

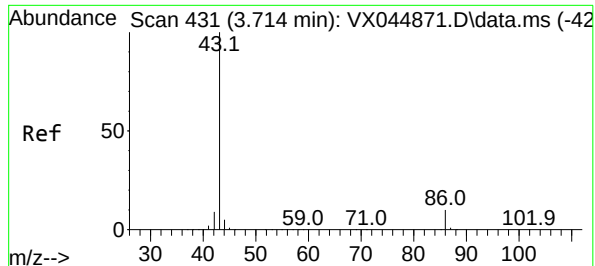
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





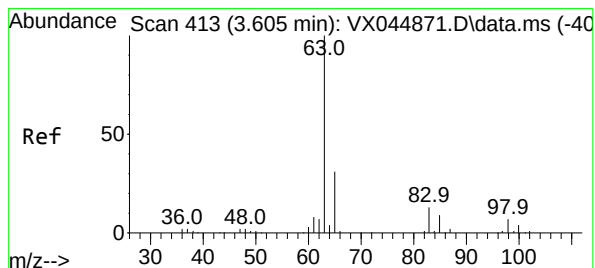
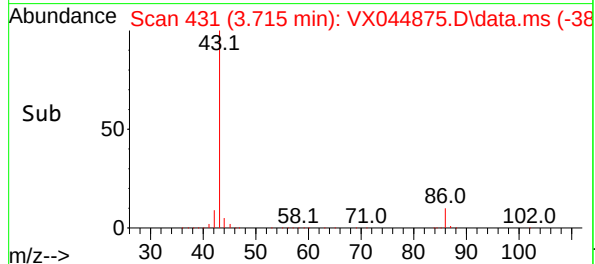
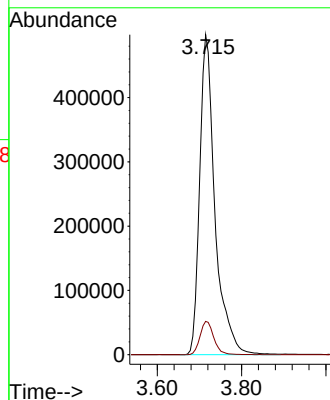
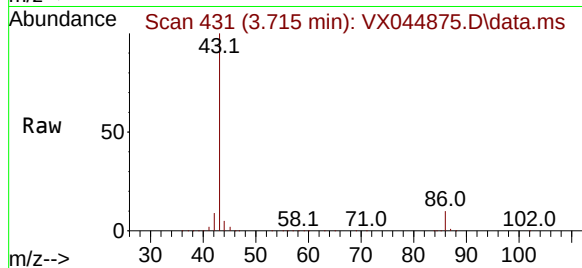
#23
Vinyl Acetate
Concen: 257.465 ug/l
RT: 3.715 min Scan# 411
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 43 Resp: 125743
Ion Ratio Lower Upper
43 100
86 10.4 8.3 12.5

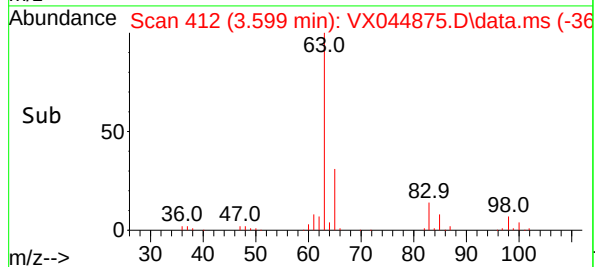
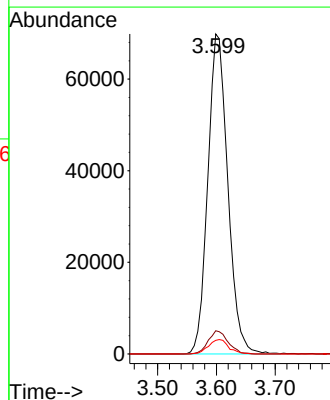
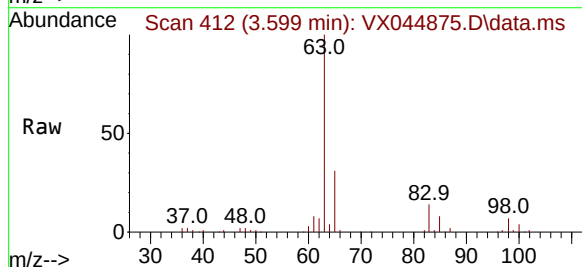
Manual Integrations
APPROVED

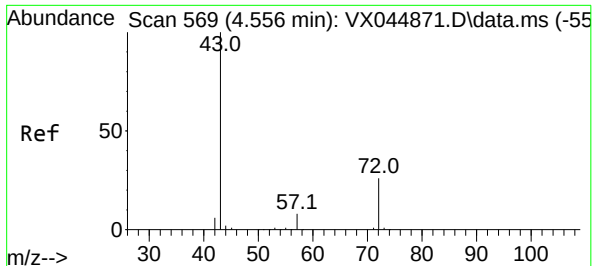
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





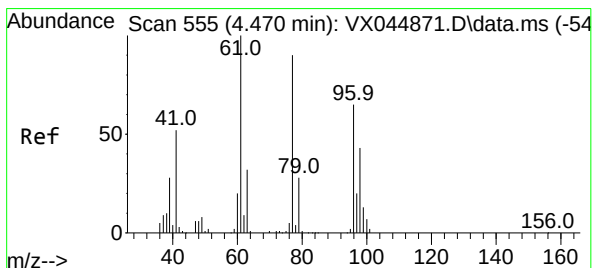
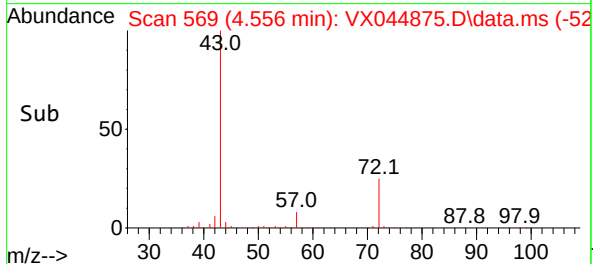
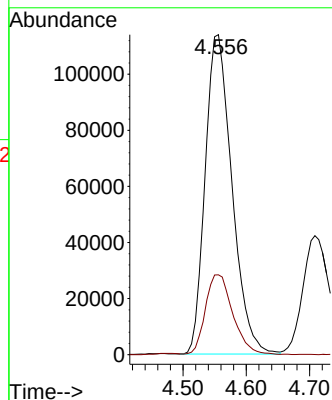
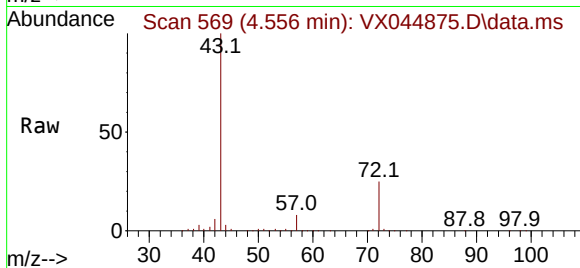
#25
2-Butanone
Concen: 258.175 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 43 Resp: 335358
Ion Ratio Lower Upper
43 100
72 24.9 21.2 31.8

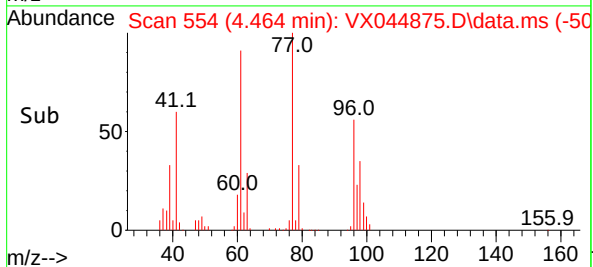
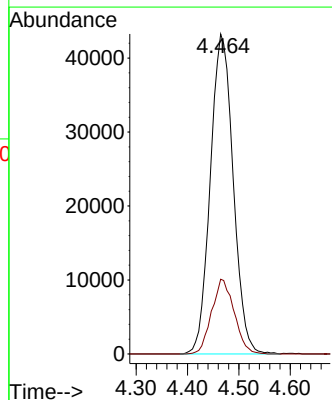
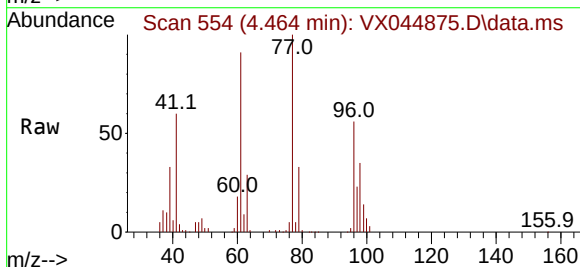
Manual Integrations
APPROVED

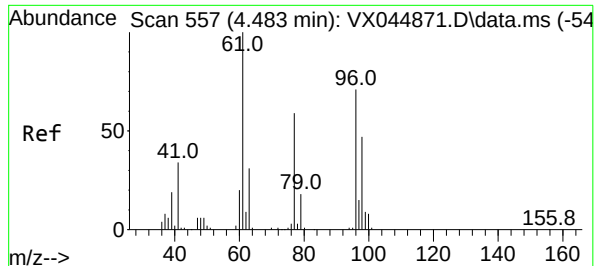
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

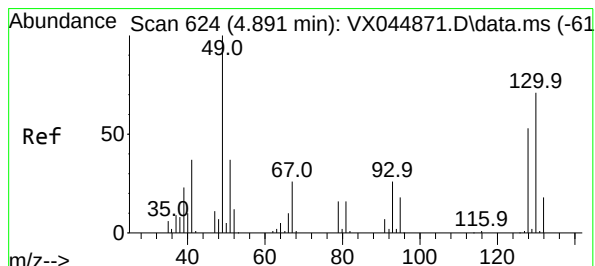
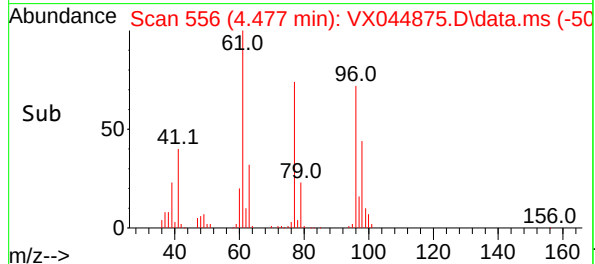
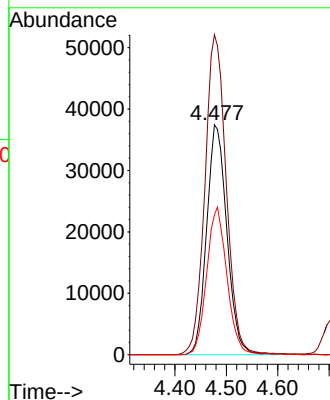
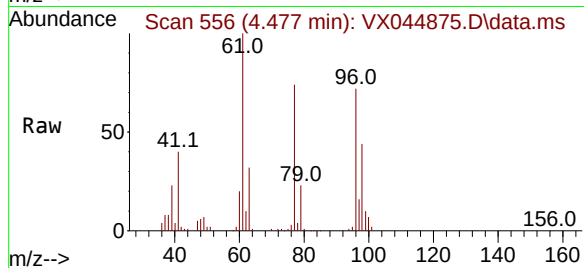
98 63.9 0.0 131.2

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

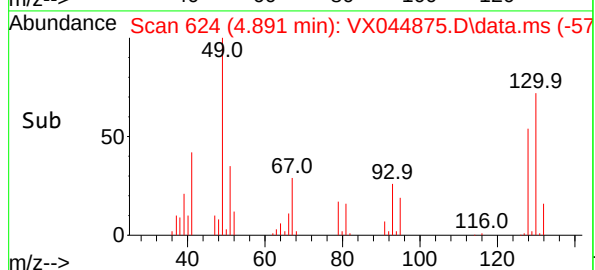
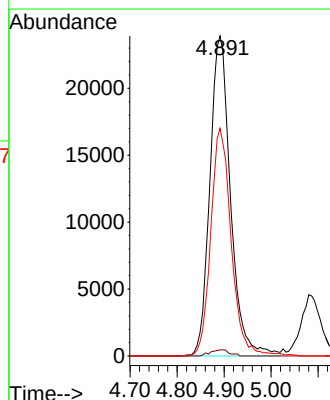
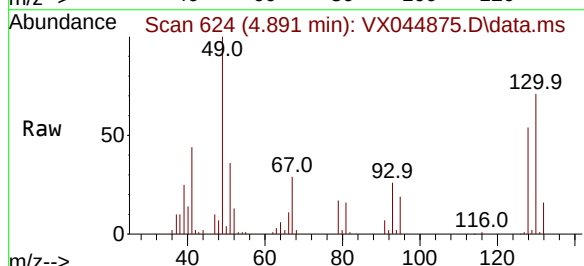
Tgt Ion: 49 Resp: 72893

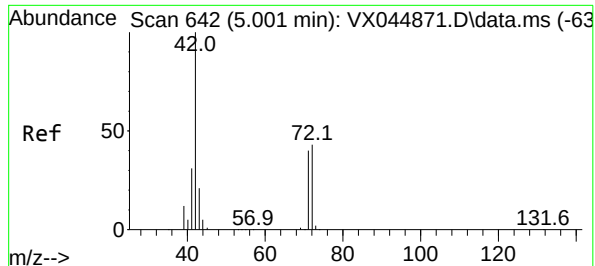
Ion Ratio Lower Upper

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

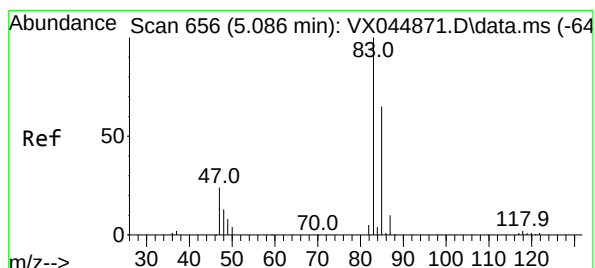
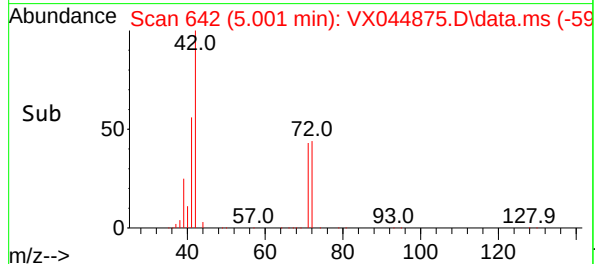
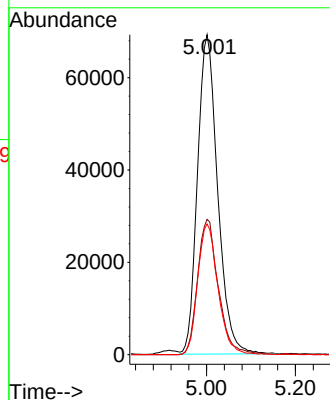
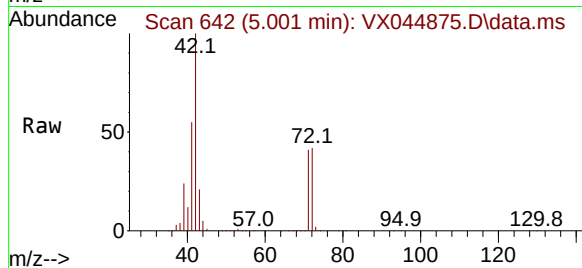
71 41.1 32.6 48.8

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

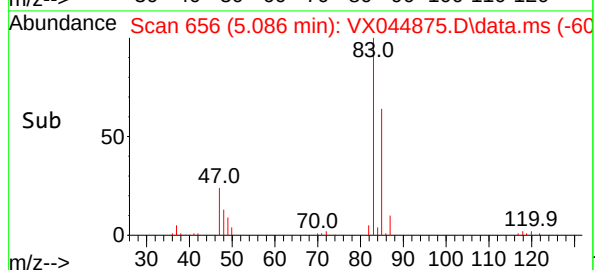
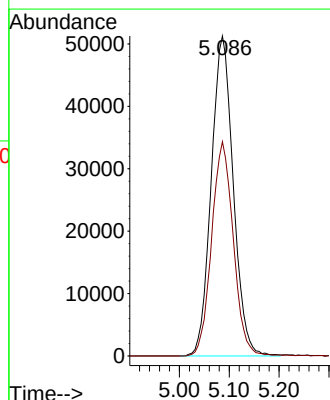
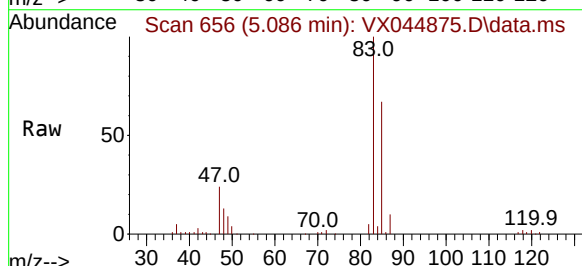
Acq: 10 Feb 2025 13:15

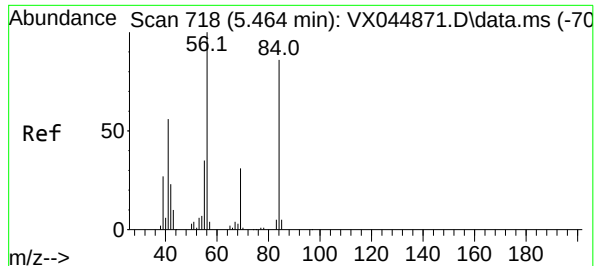
Tgt Ion: 83 Resp: 157312

Ion Ratio Lower Upper

83 100

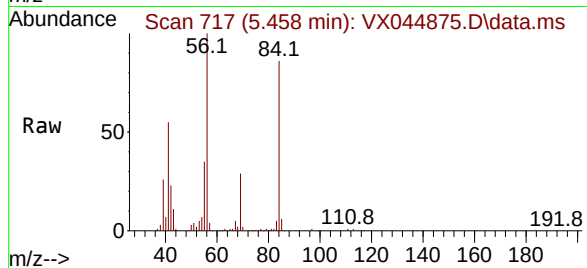
85 66.9 52.1 78.1





#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

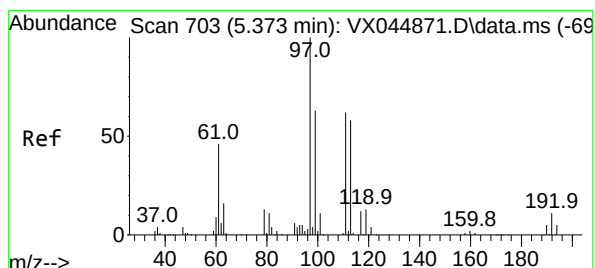
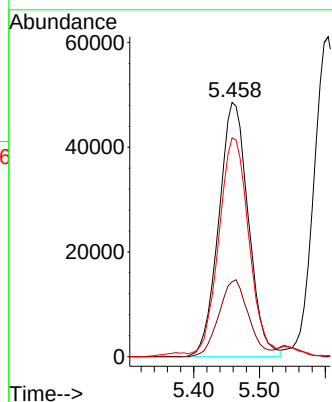
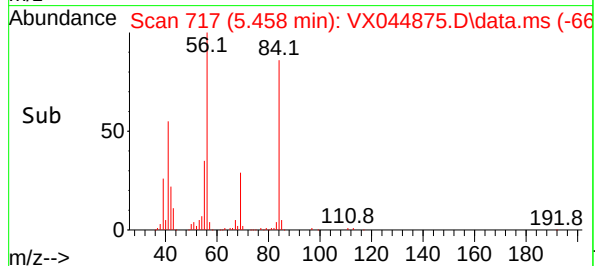
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025



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

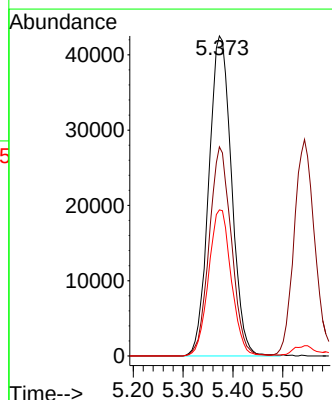
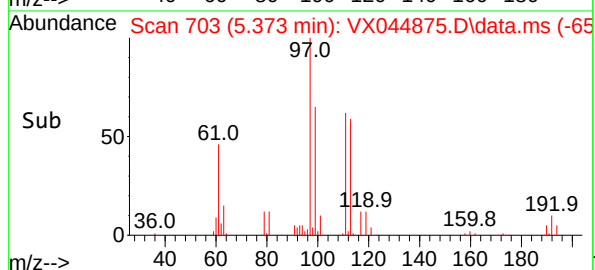
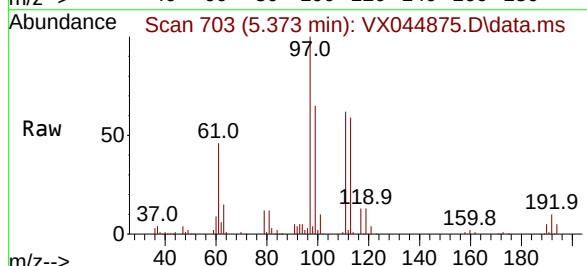
Manual Integrations
APPROVED

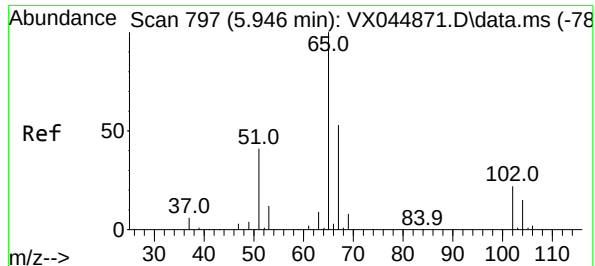
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

ClientSampleId :

ICVX021025

Tgt Ion: 65 Resp: 9563

Ion Ratio Lower Upper

65 100

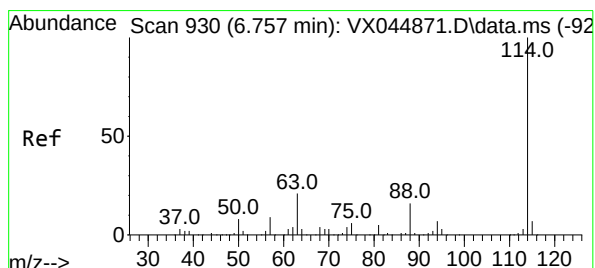
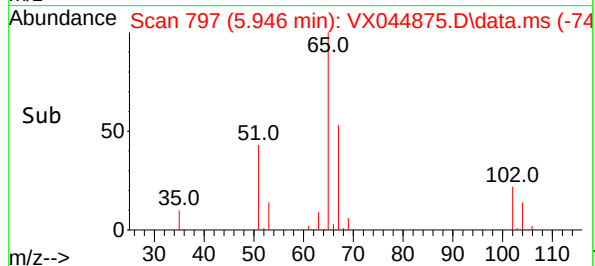
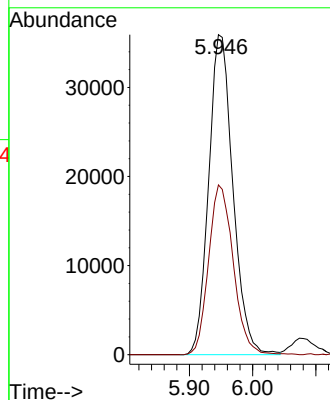
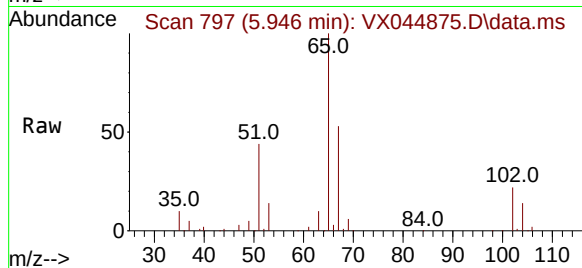
67 54.0 0.0 108.2

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

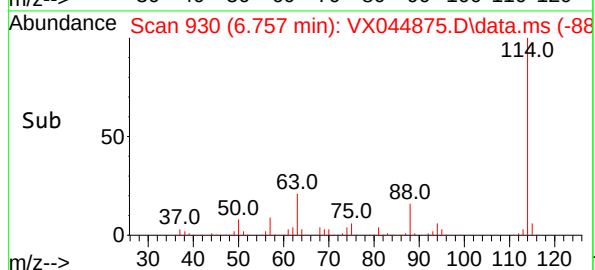
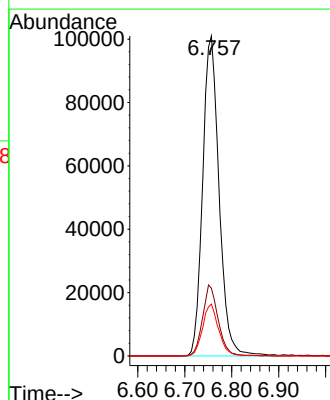
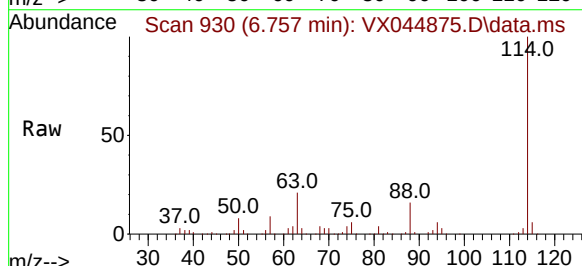
Tgt Ion:114 Resp: 245098

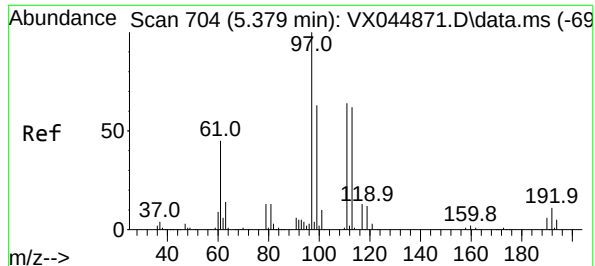
Ion Ratio Lower Upper

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

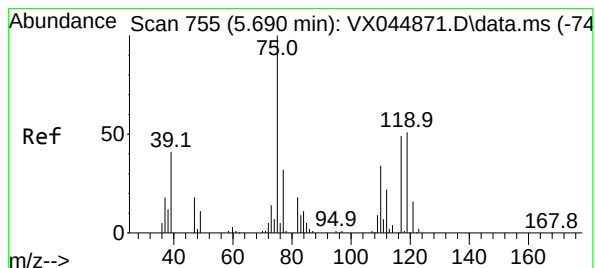
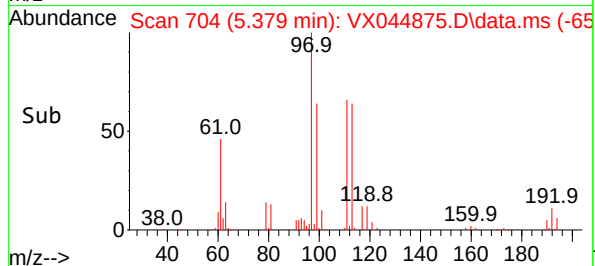
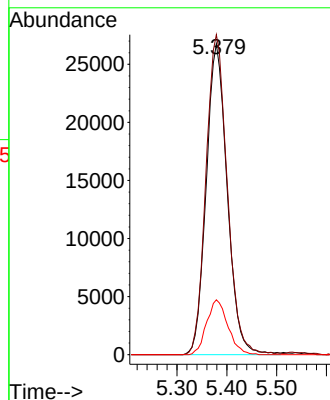
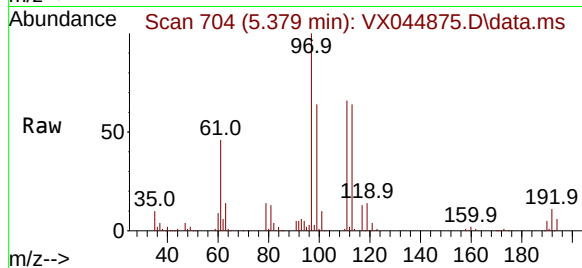
192 17.9 14.4 21.6

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

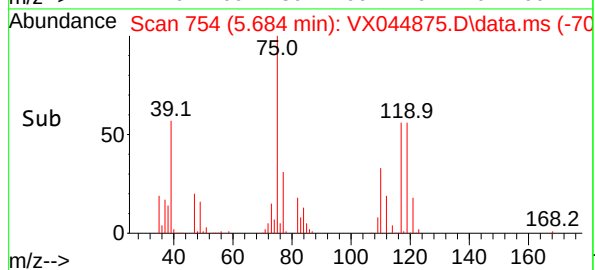
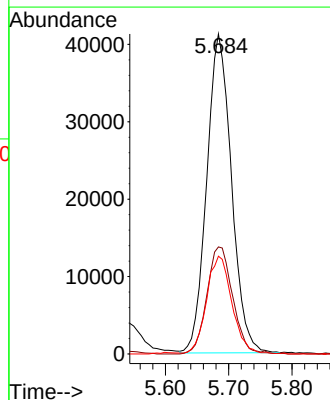
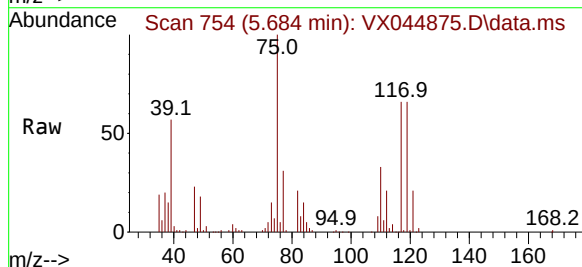
Tgt Ion: 75 Resp: 111968

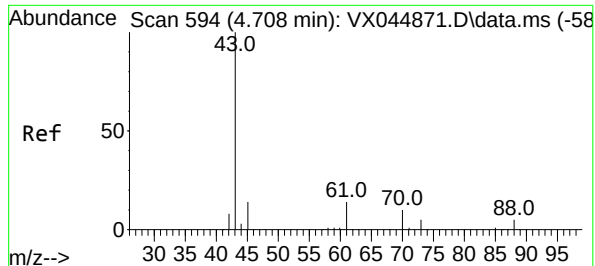
Ion Ratio Lower Upper

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 :

ICVX021025

Tgt Ion: 43 Resp: 12607

Ion Ratio Lower Upper

43 100

61 14.3 11.0 16.4

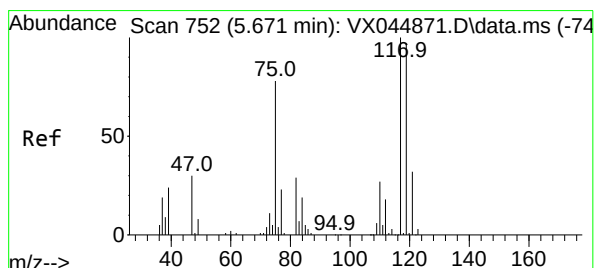
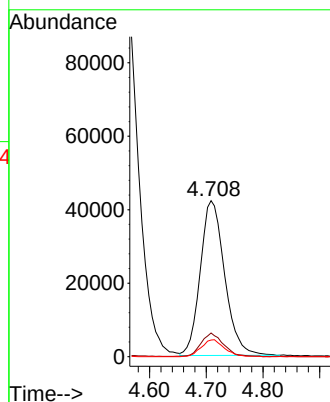
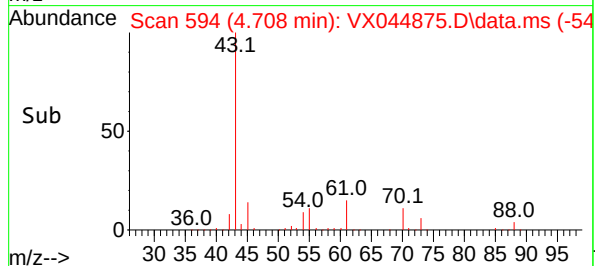
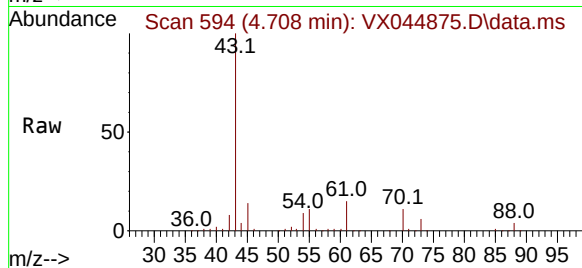
70 10.4 8.2 12.2

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

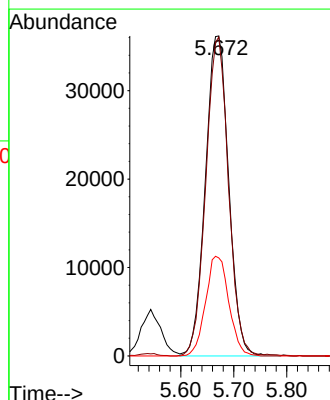
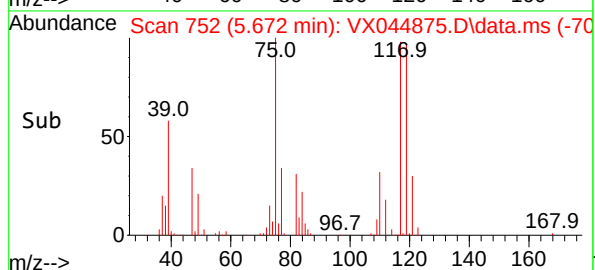
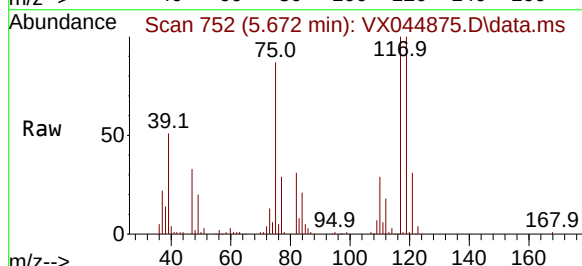
Tgt Ion:117 Resp: 110581

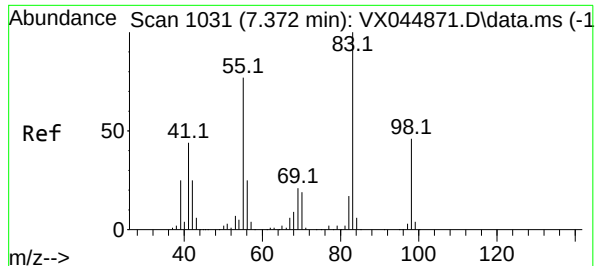
Ion Ratio Lower Upper

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

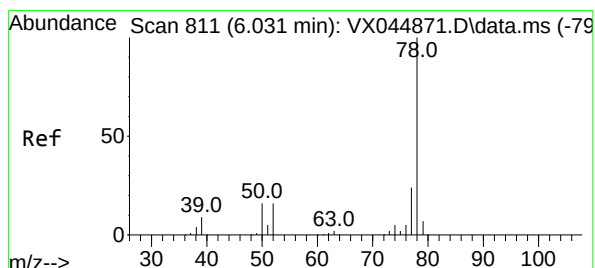
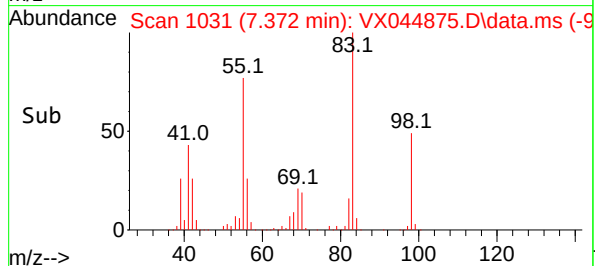
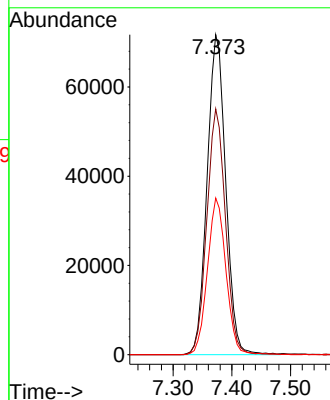
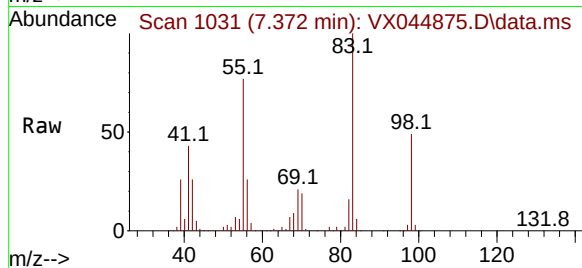
98 49.0 37.0 55.6

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

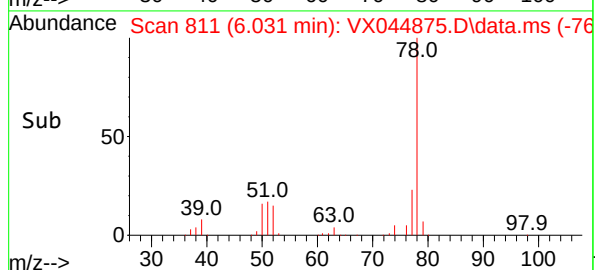
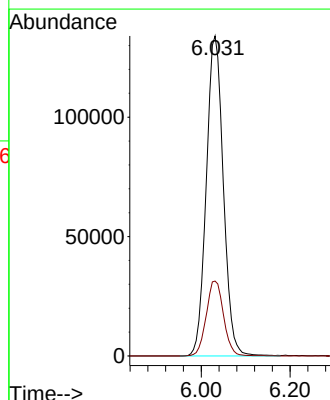
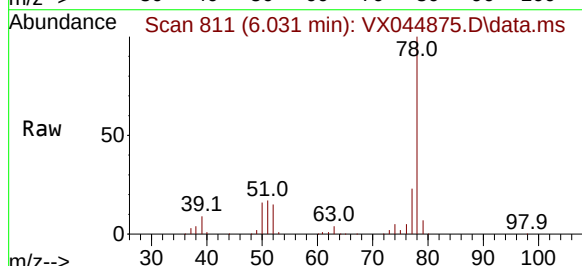
Acq: 10 Feb 2025 13:15

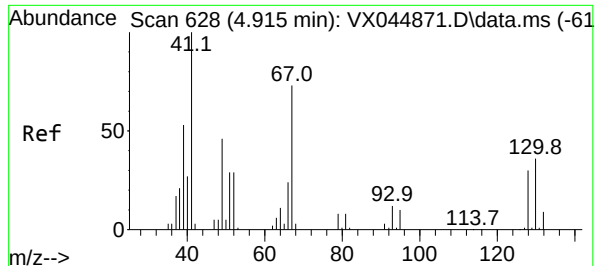
Tgt Ion: 78 Resp: 358365

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.6





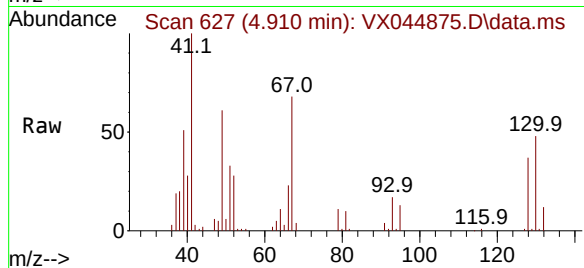
#41
Methacrylonitrile
Concen: 53.741 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025



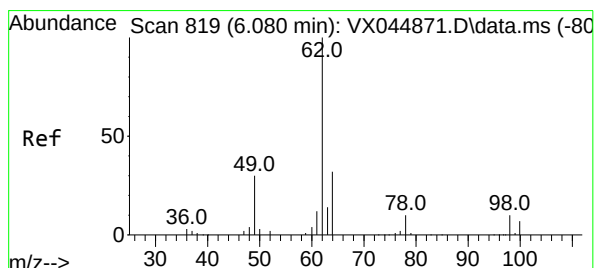
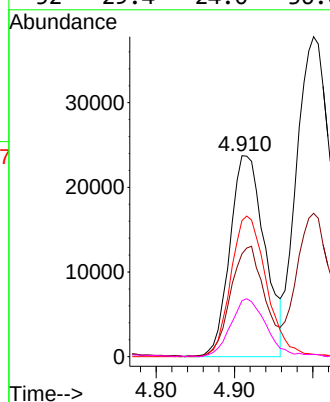
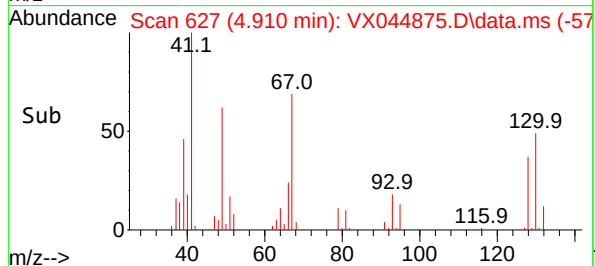
Tgt Ion: 41 Resp: 7355
Ion Ratio Lower Upper
41 100
39 54.1 43.1 64.7
67 71.9 57.0 85.6
52 29.4 24.0 36.0

Manual Integrations

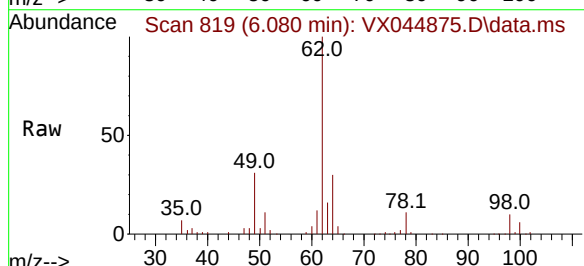
APPROVED

Reviewed By :John Carlone 02/11/2025

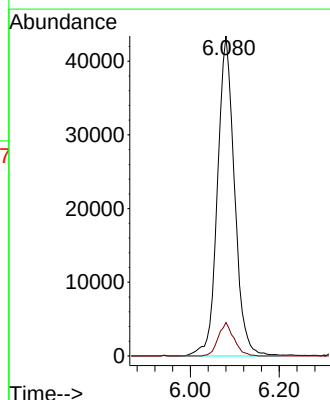
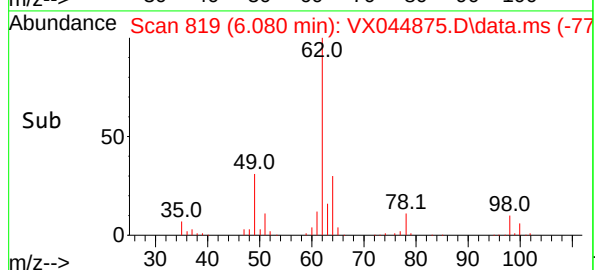
Supervised By :Mahesh Dadoda 02/11/2025

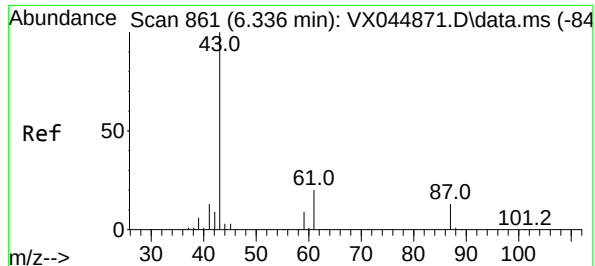


#42
1,2-Dichloroethane
Concen: 50.410 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15



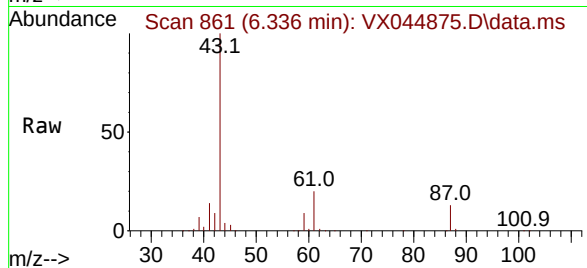
Tgt Ion: 62 Resp: 115339
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.4





#43
Isopropyl Acetate
Concen: 51.798 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

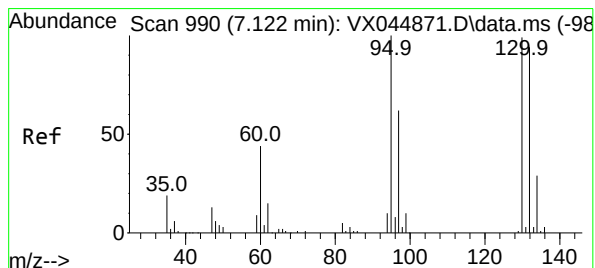
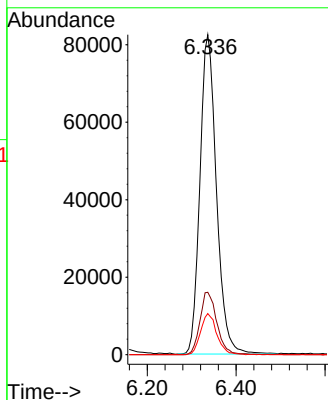
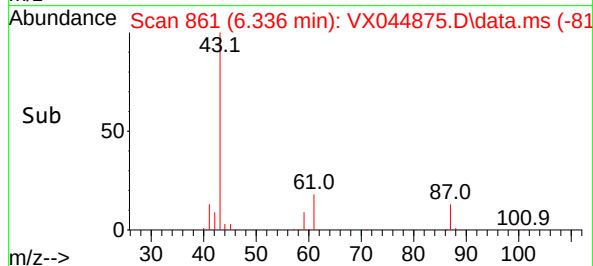
Instrument :
MSVOA_X
ClientSampleId :
ICVX021025



Tgt Ion: 43 Resp: 21390
Ion Ratio Lower Upper
43 100
61 19.9 15.8 23.8
87 12.6 10.0 15.0

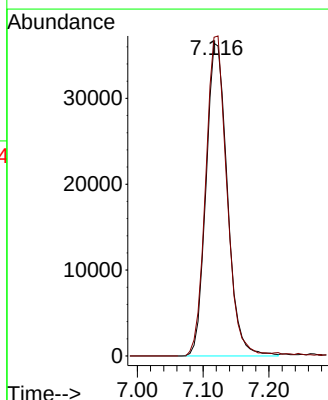
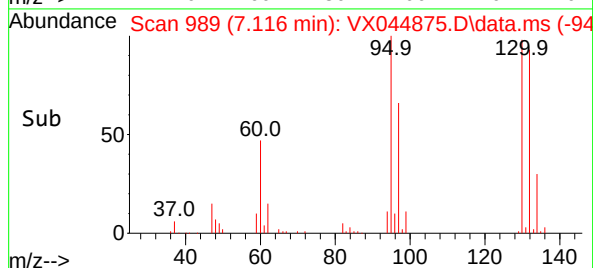
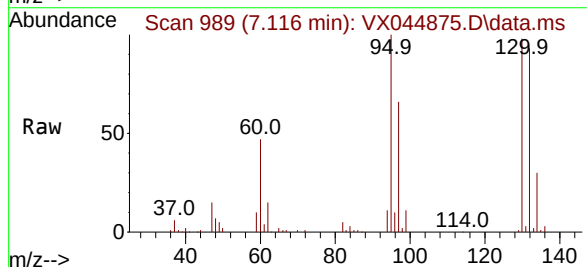
Manual Integrations
APPROVED

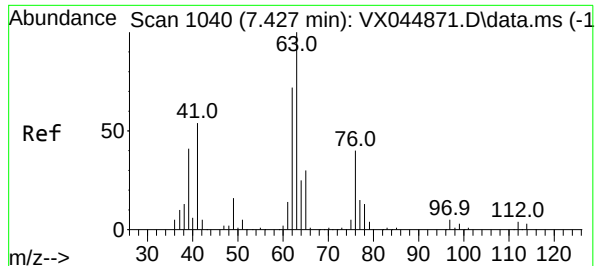
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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: 89992

Ion Ratio Lower Upper

63 100

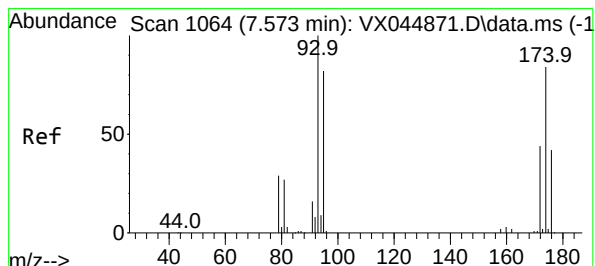
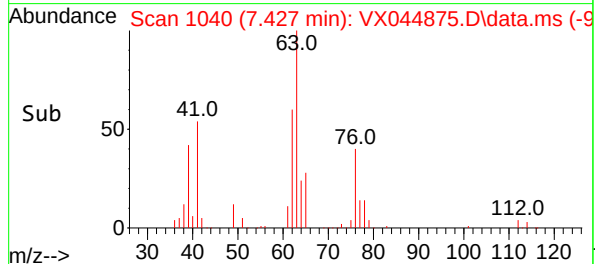
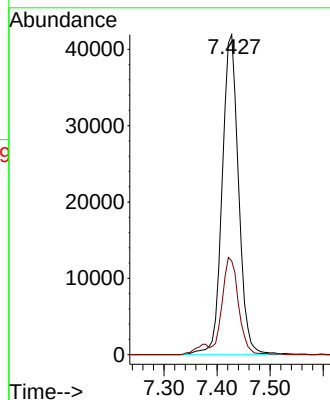
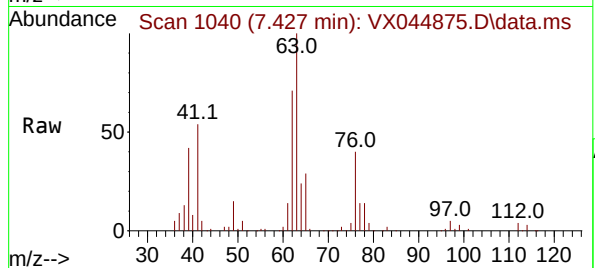
65 29.3 24.2 36.4

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

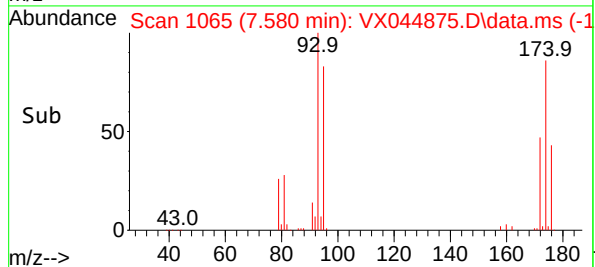
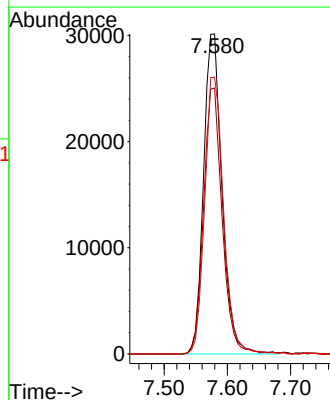
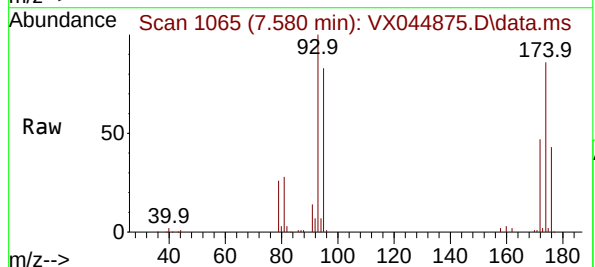
Tgt Ion: 93 Resp: 61360

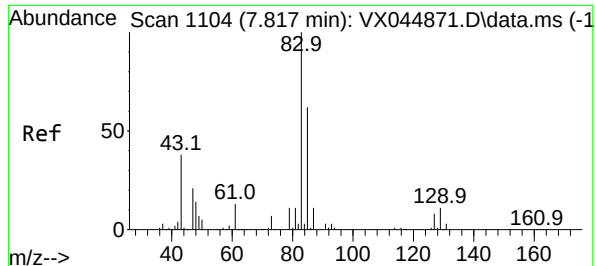
Ion Ratio Lower Upper

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

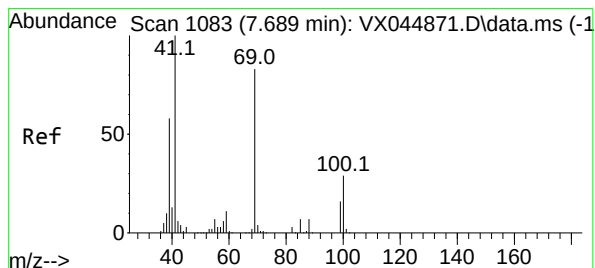
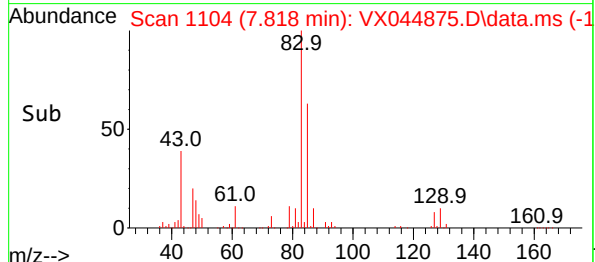
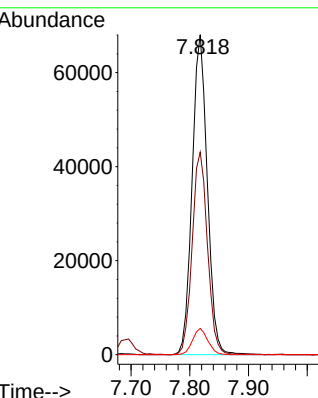
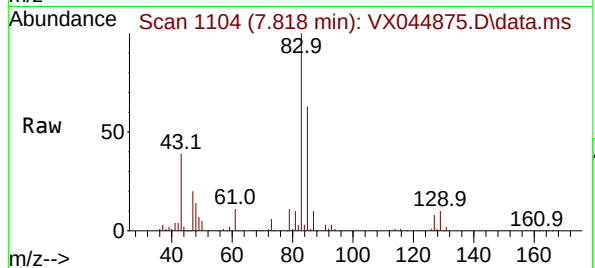
127 8.2 6.4 9.6

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

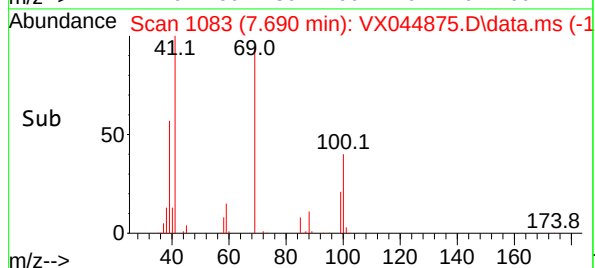
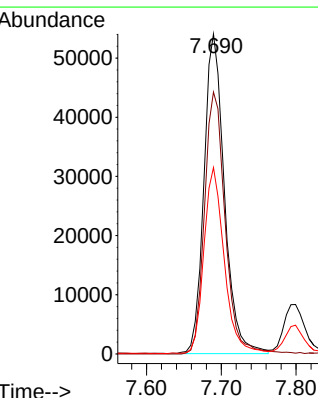
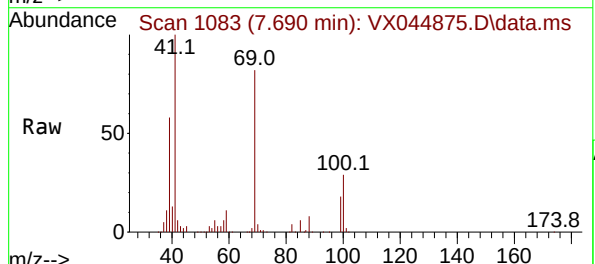
Tgt Ion: 41 Resp: 102900

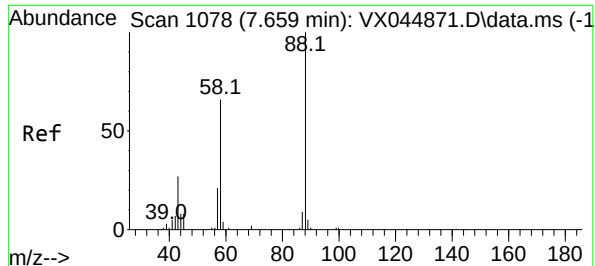
Ion Ratio Lower Upper

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

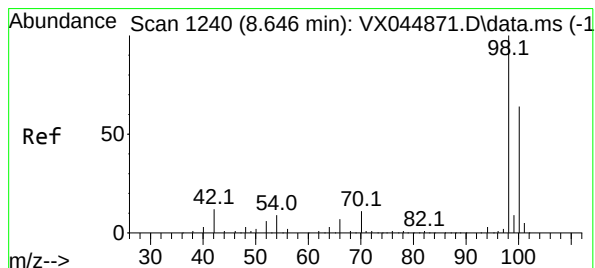
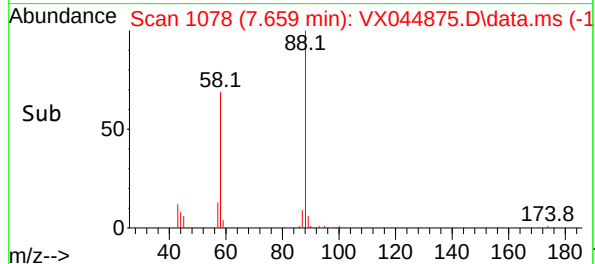
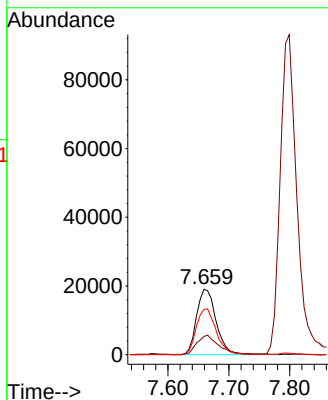
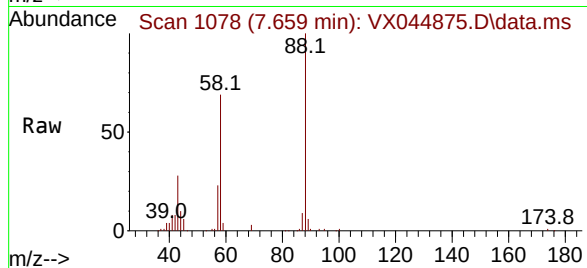
58 71.2 55.9 83.9

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

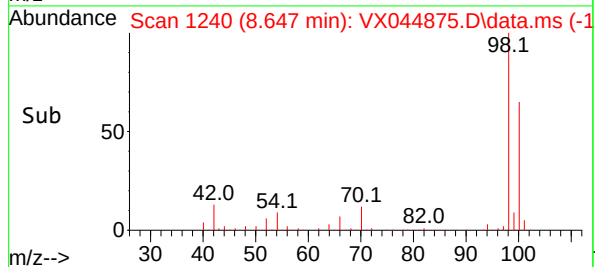
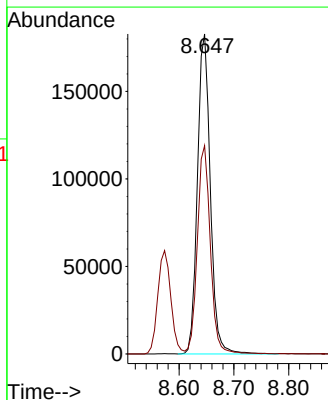
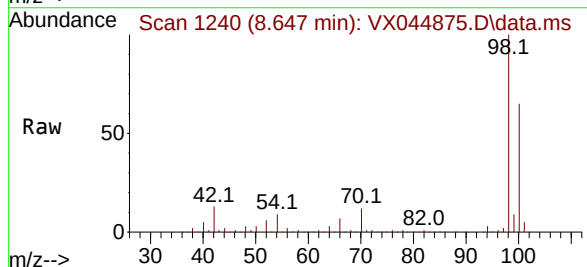
Acq: 10 Feb 2025 13:15

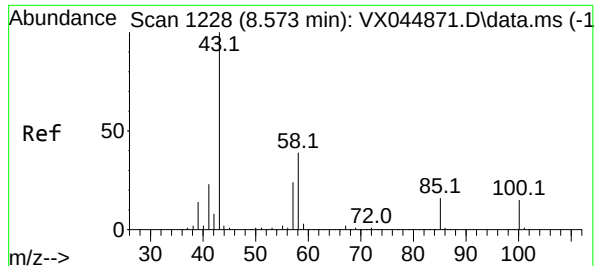
Tgt Ion: 98 Resp: 299178

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 :

ICVVX021025

Tgt Ion: 43 Resp: 665564

Ion Ratio Lower Upper

43 100

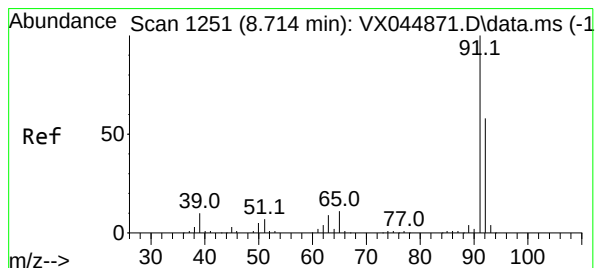
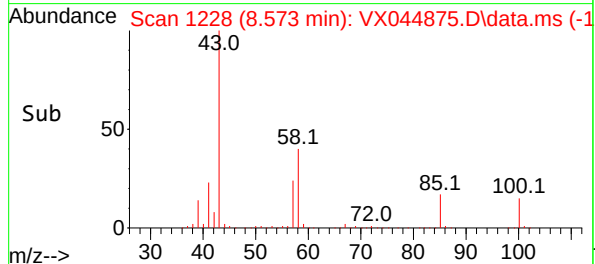
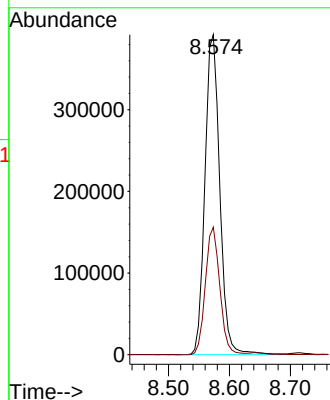
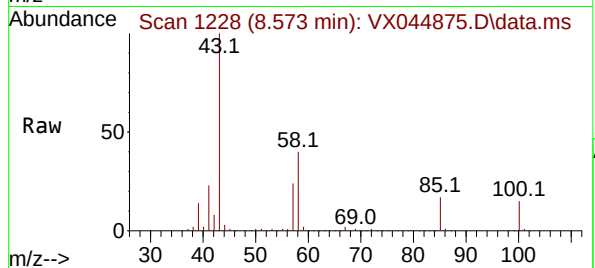
58 38.7 30.8 46.2

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

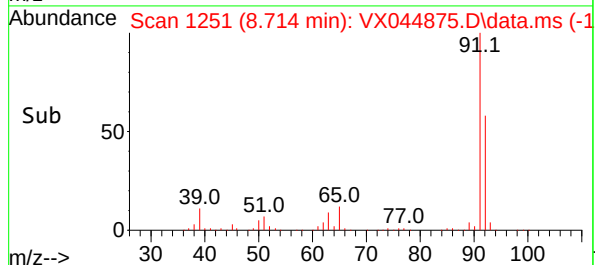
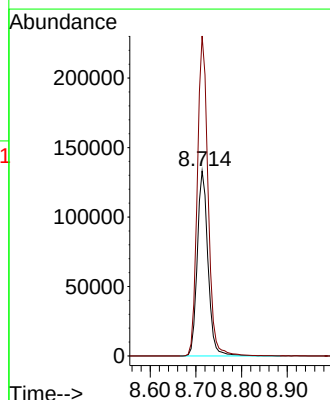
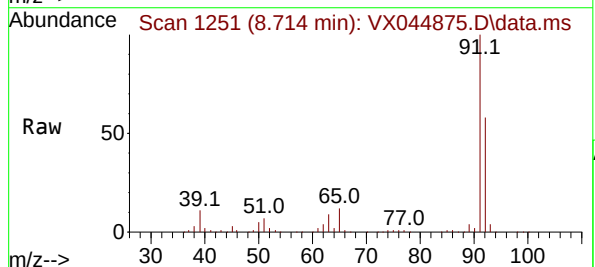
Acq: 10 Feb 2025 13:15

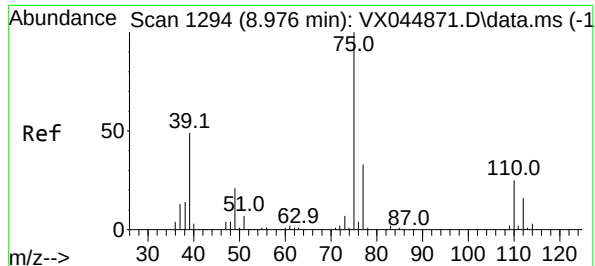
Tgt Ion: 92 Resp: 216682

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# 1129

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: 130409

Ion Ratio Lower Upper

75 100

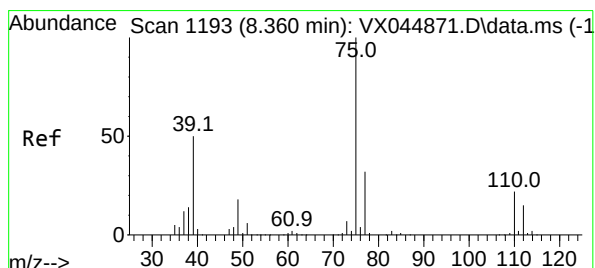
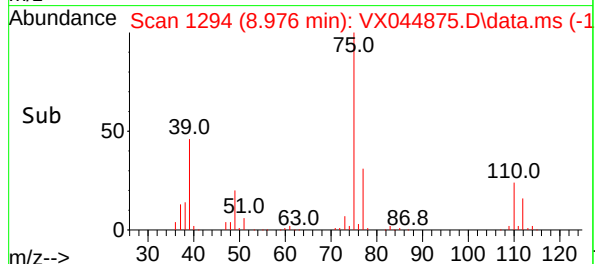
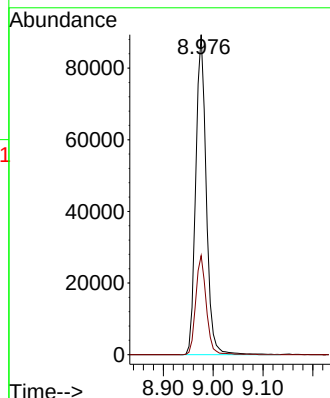
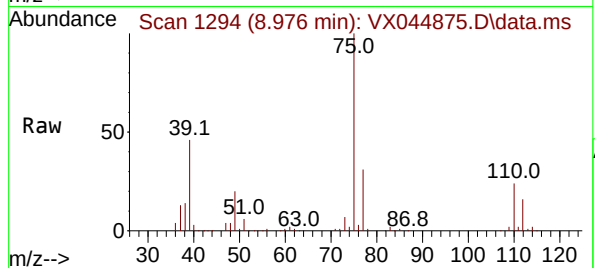
77 31.0 26.0 39.0

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

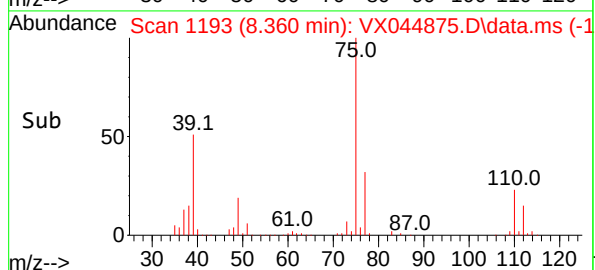
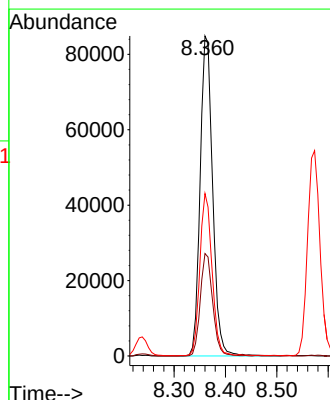
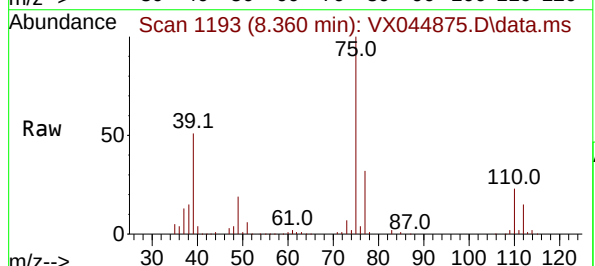
Tgt Ion: 75 Resp: 143379

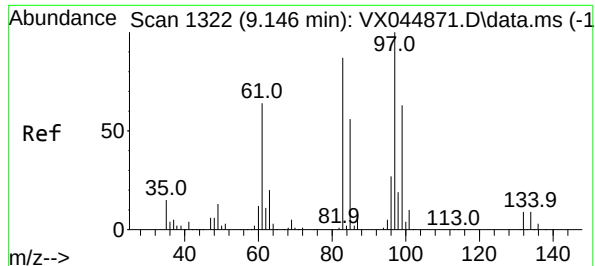
Ion Ratio Lower Upper

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 :

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

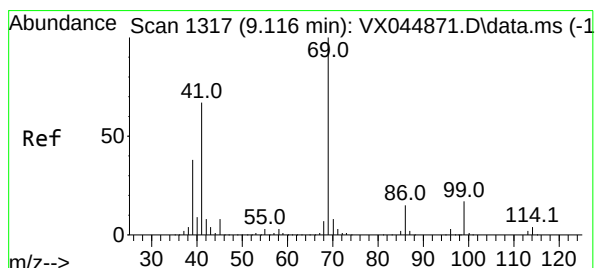
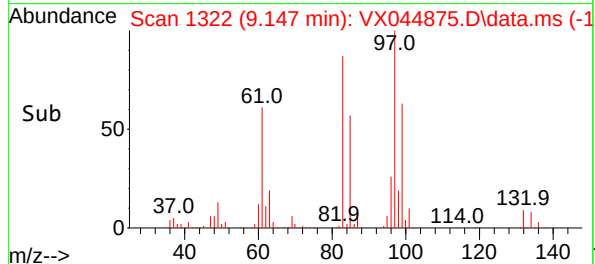
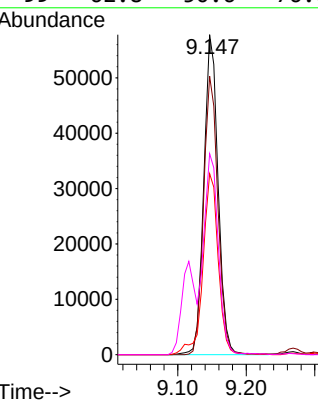
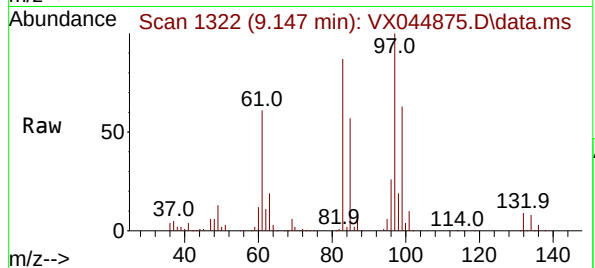
99 62.8 50.6 76.0

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

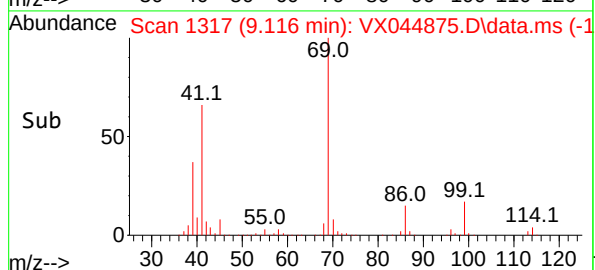
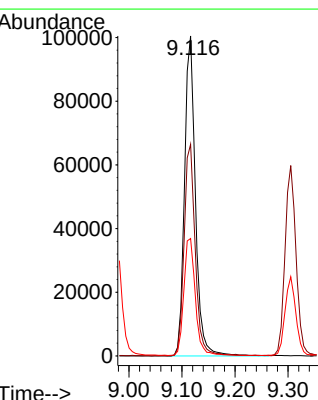
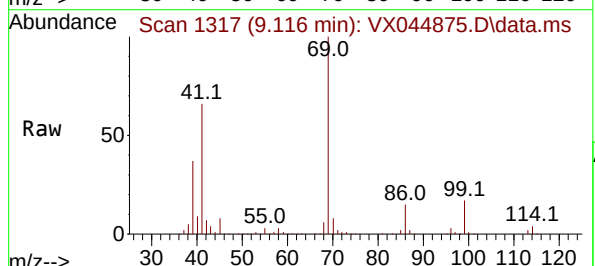
Tgt Ion: 69 Resp: 143524

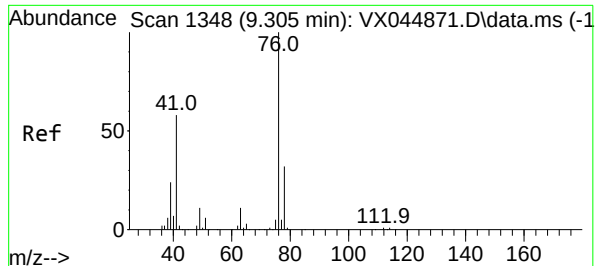
Ion Ratio Lower Upper

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

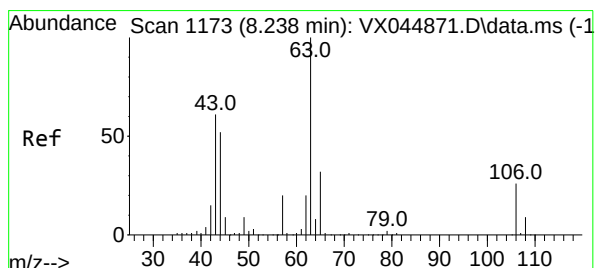
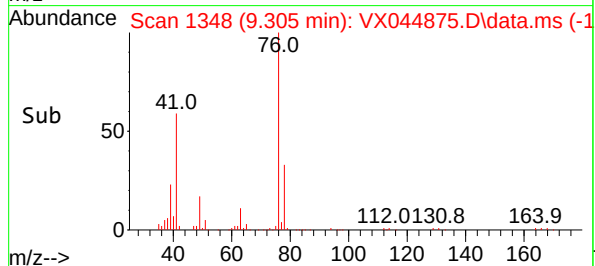
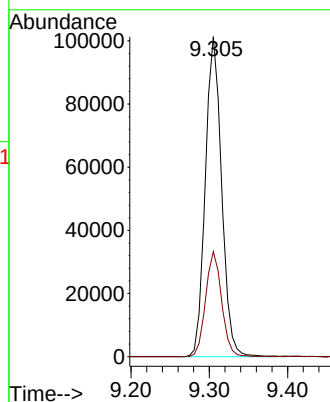
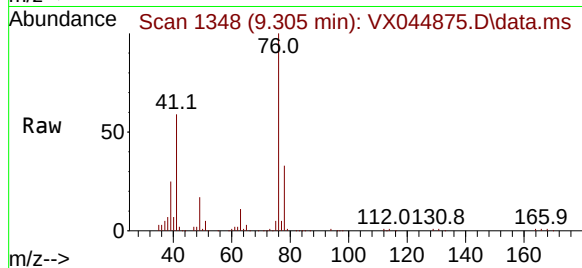
78 32.3 25.8 38.8

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

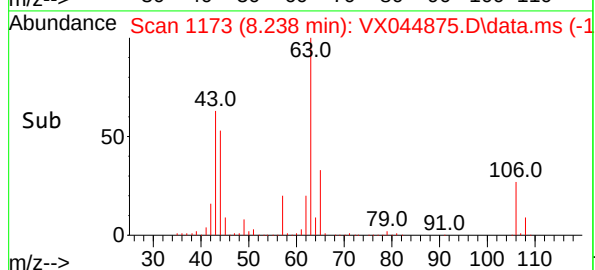
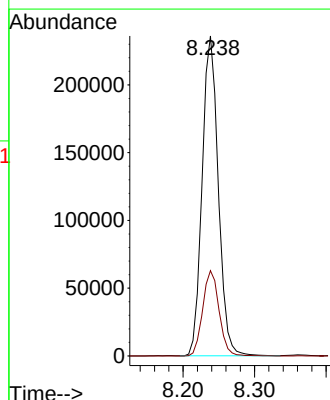
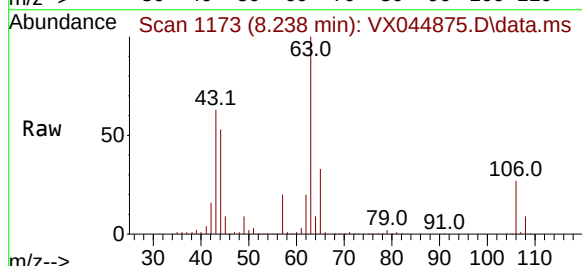
Acq: 10 Feb 2025 13:15

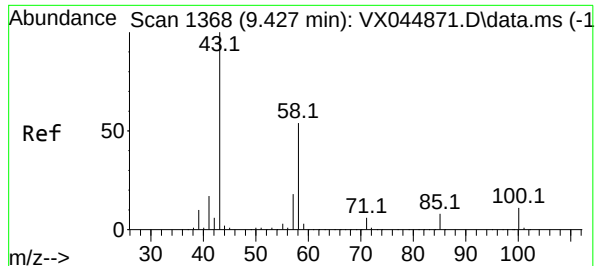
Tgt Ion: 63 Resp: 370622

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

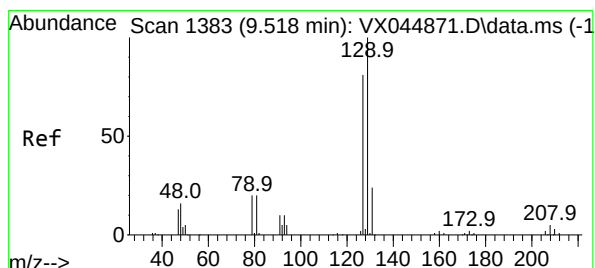
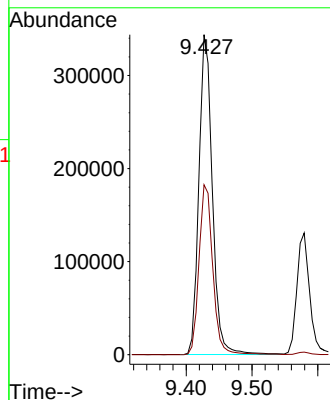
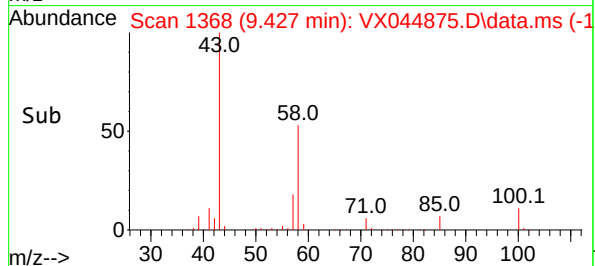
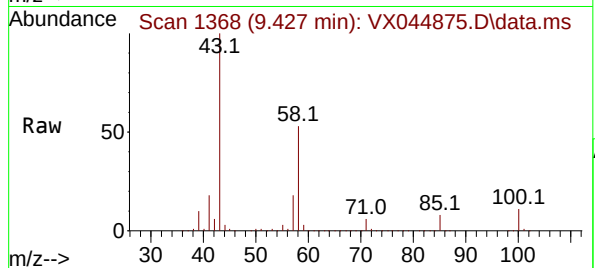
58 54.5 27.5 82.4

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

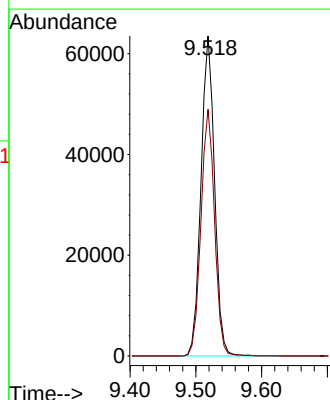
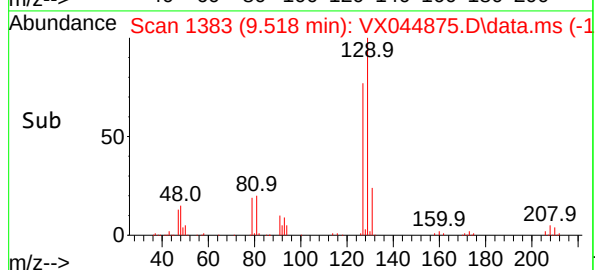
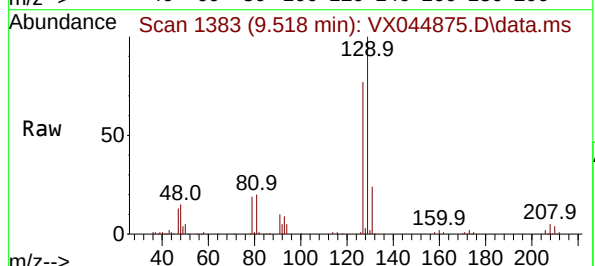
Acq: 10 Feb 2025 13:15

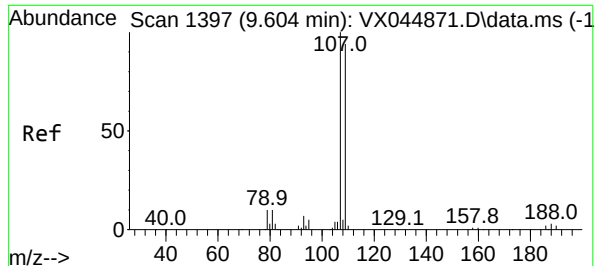
Tgt Ion:129 Resp: 90826

Ion Ratio Lower Upper

129 100

127 77.5 39.1 117.3





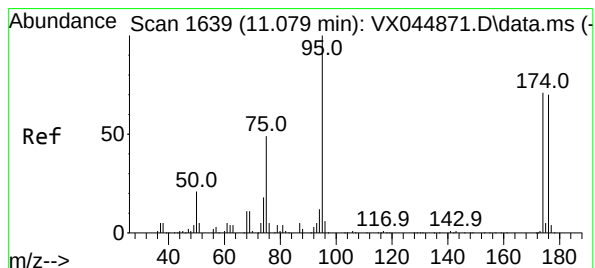
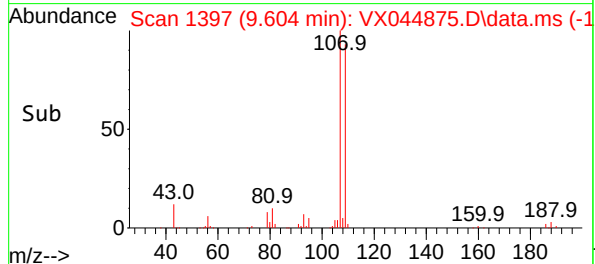
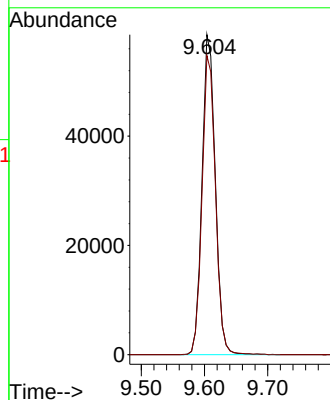
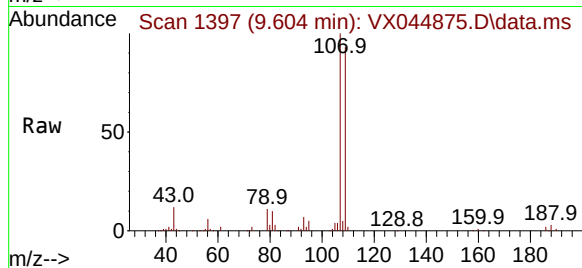
#61
1,2-Dibromoethane
Concen: 51.436 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVX021025

Tgt Ion:107 Resp: 8568
Ion Ratio Lower Upper
107 100
109 94.5 75.9 113.9

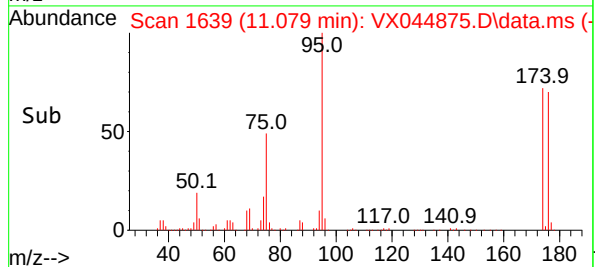
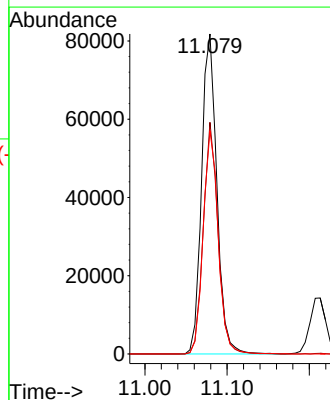
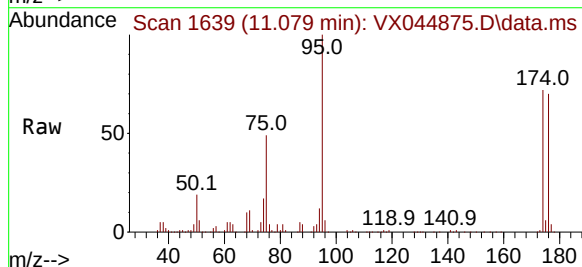
Manual Integrations
APPROVED

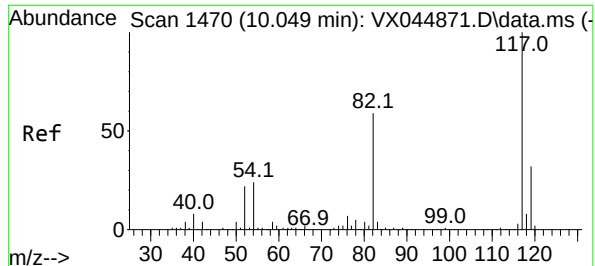
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

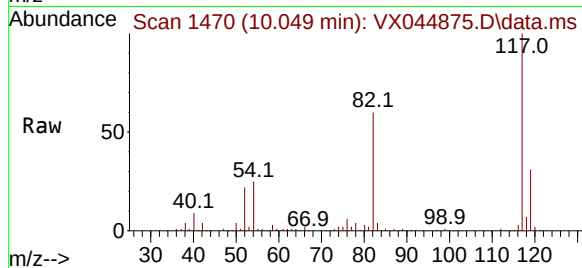
Tgt Ion: 95 Resp: 105201
Ion Ratio Lower Upper
95 100
174 69.8 0.0 142.6
176 68.9 0.0 141.6





#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

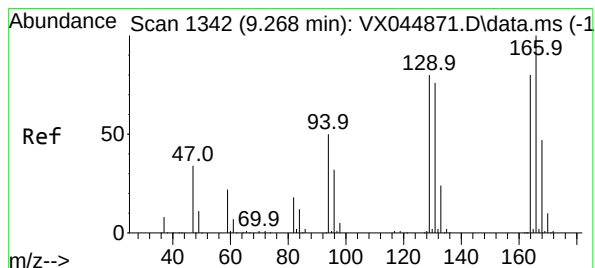
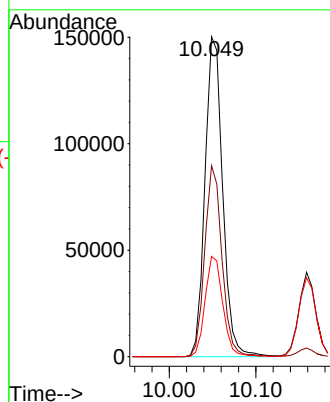
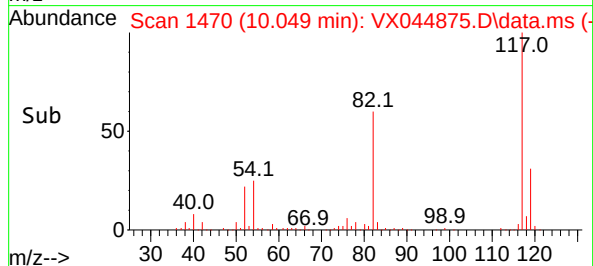
Instrument :
MSVOA_X
ClientSampleId :
ICVX021025



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

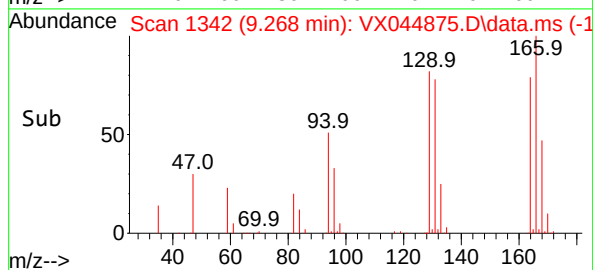
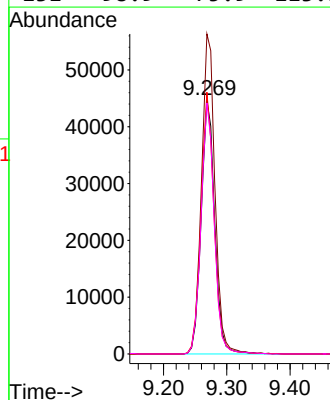
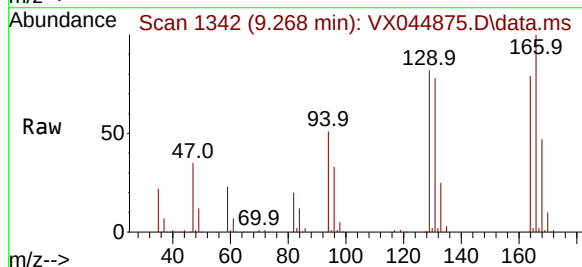
Manual Integrations
APPROVED

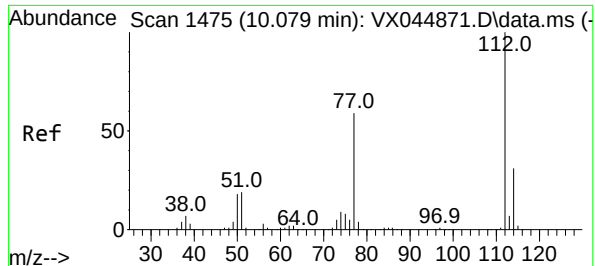
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





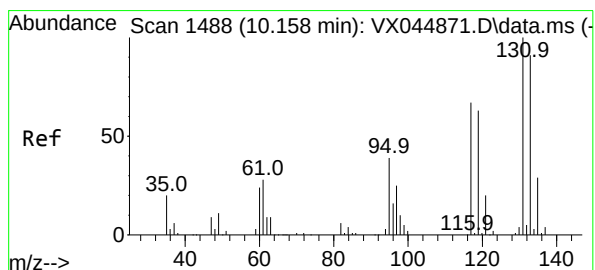
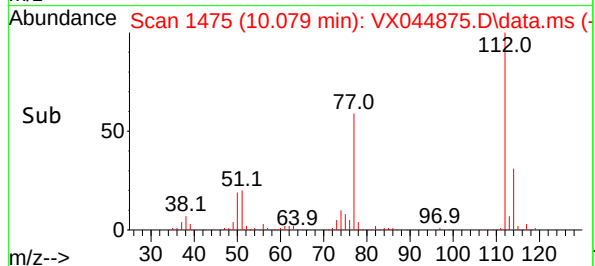
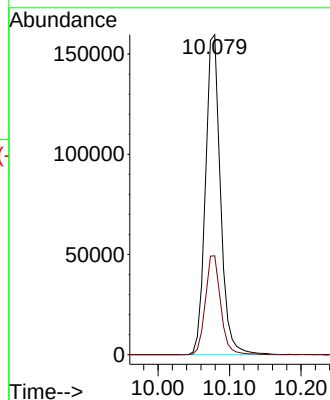
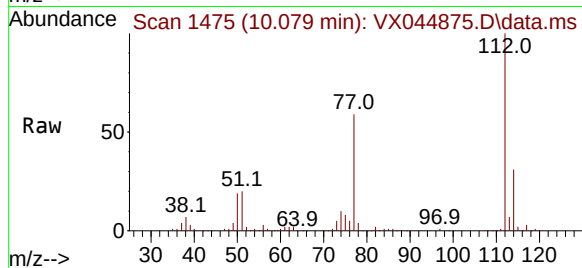
#65
Chlorobenzene
Concen: 50.952 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVX021025

Tgt Ion:112 Resp: 23337
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.6

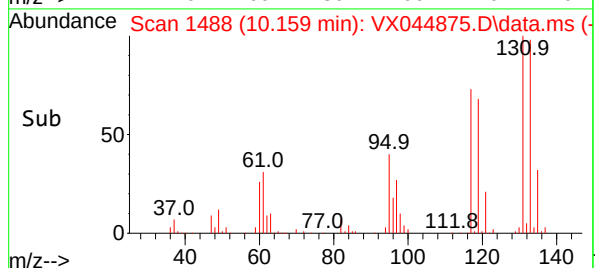
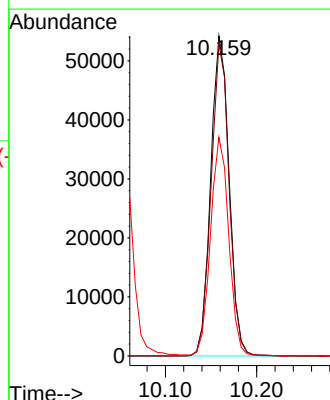
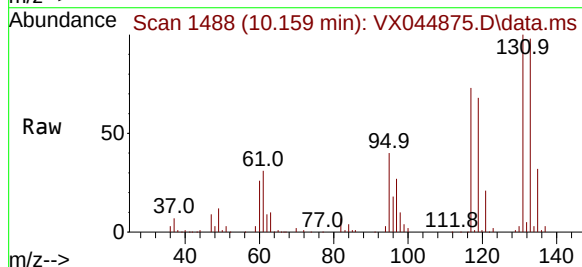
Manual Integrations
APPROVED

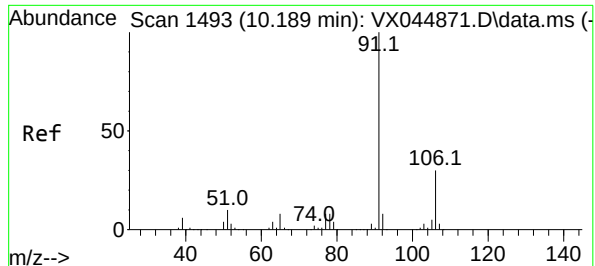
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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 :

ICVVX021025

Tgt Ion: 91 Resp: 415575

Ion Ratio Lower Upper

91 100

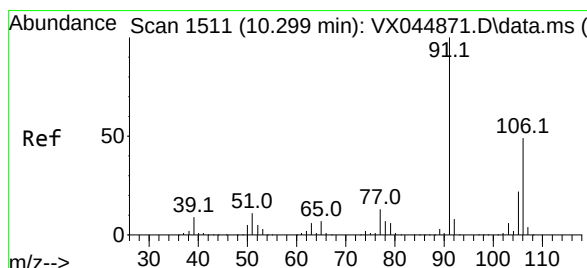
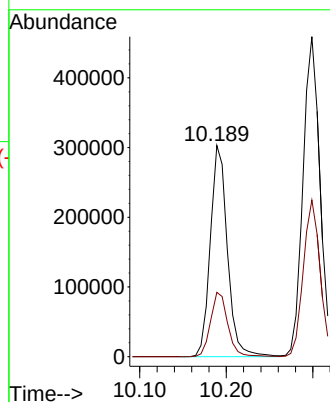
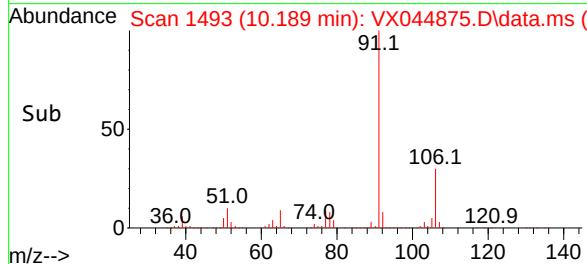
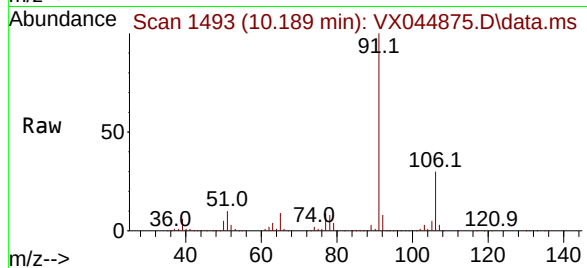
106 30.4 23.9 35.9

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

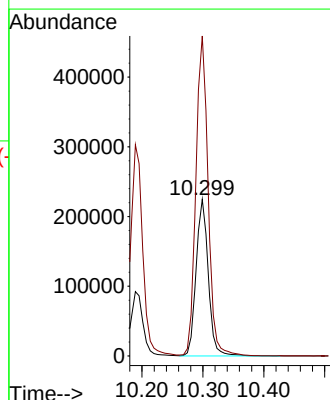
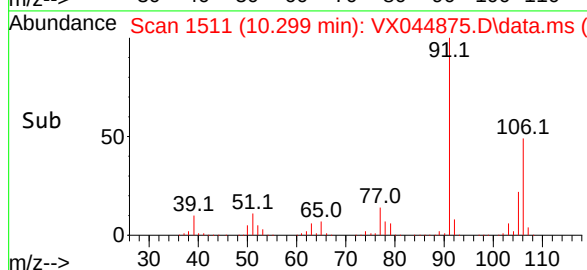
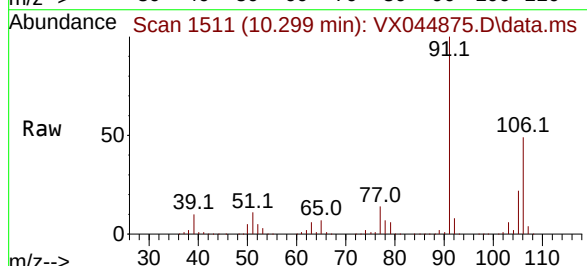
Acq: 10 Feb 2025 13:15

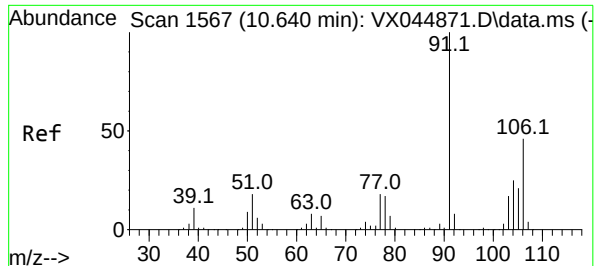
Tgt Ion:106 Resp: 310925

Ion Ratio Lower Upper

106 100

91 205.2 164.3 246.5





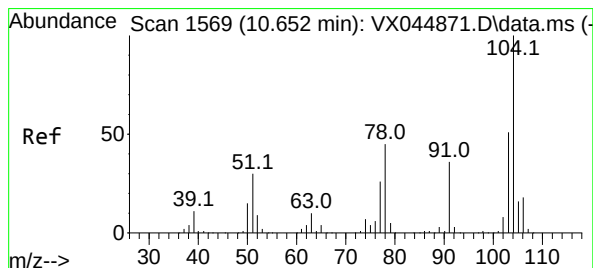
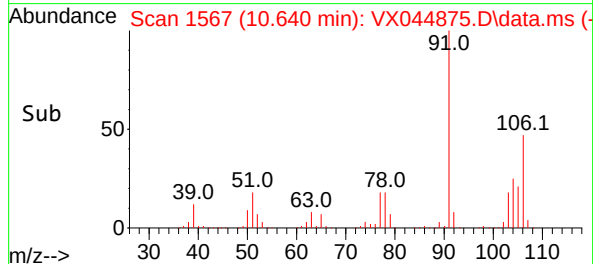
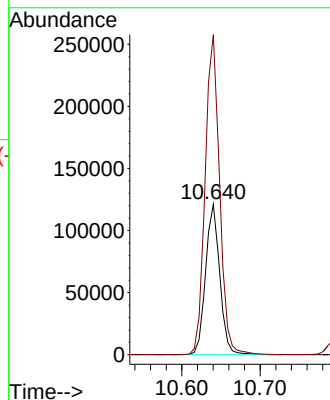
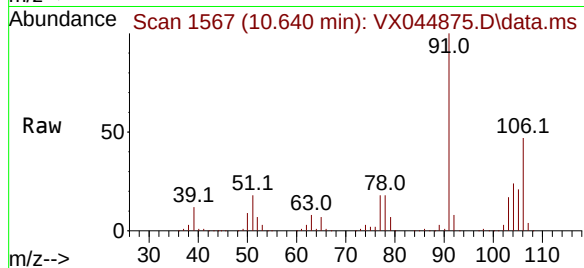
#69
o-Xylene
Concen: 50.804 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVX021025

Tgt Ion:106 Resp: 15199
Ion Ratio Lower Upper
106 100
91 217.1 108.5 325.5

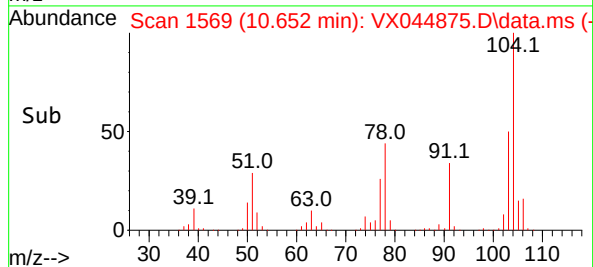
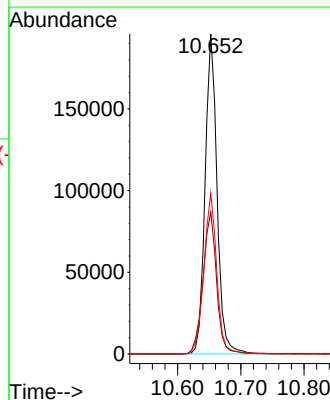
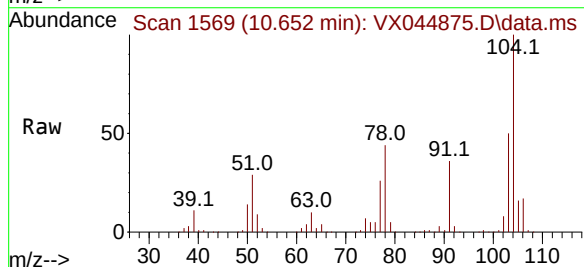
Manual Integrations
APPROVED

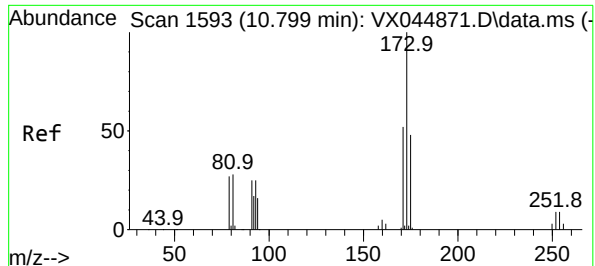
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

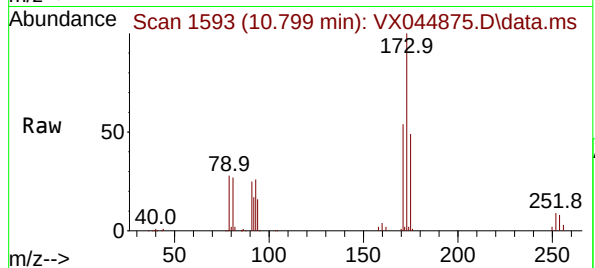
Tgt Ion:104 Resp: 257972
Ion Ratio Lower Upper
104 100
78 50.3 40.5 60.7
103 54.5 43.6 65.4





#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

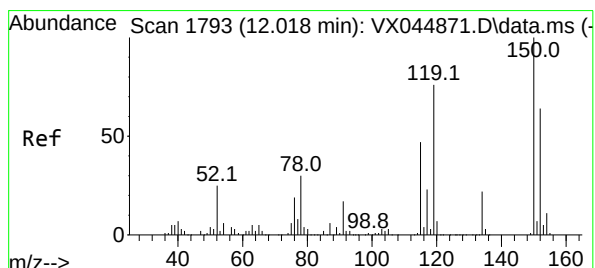
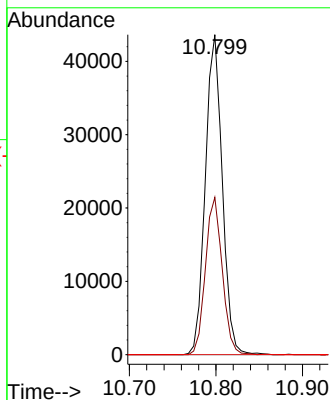
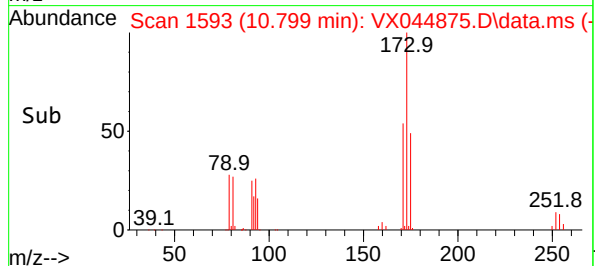
Instrument :
MSVOA_X
ClientSampleId :
ICVX021025



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

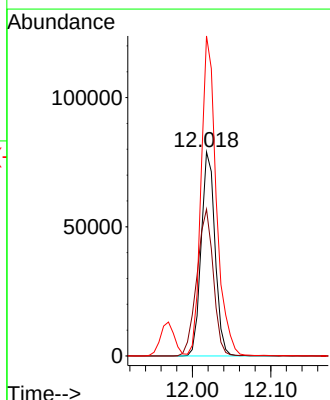
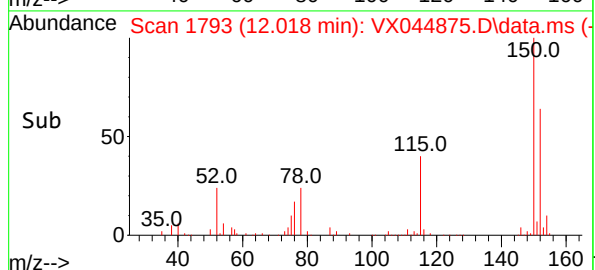
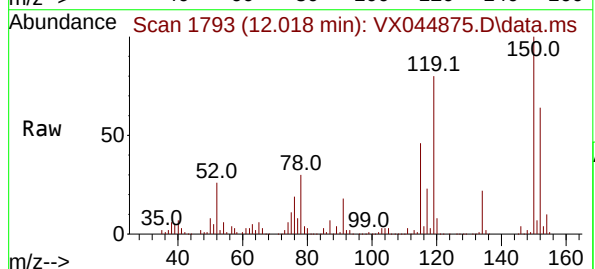
Manual Integrations
APPROVED

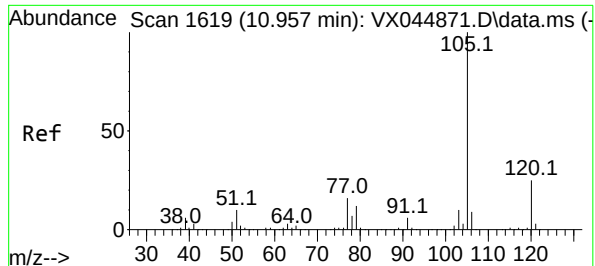
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

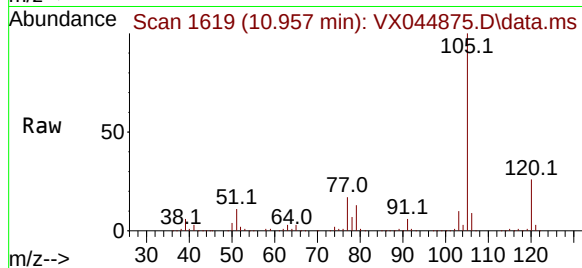
Tgt Ion:152 Resp: 97087
Ion Ratio Lower Upper
152 100
115 85.5 43.4 130.1
150 171.8 0.0 350.4





#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

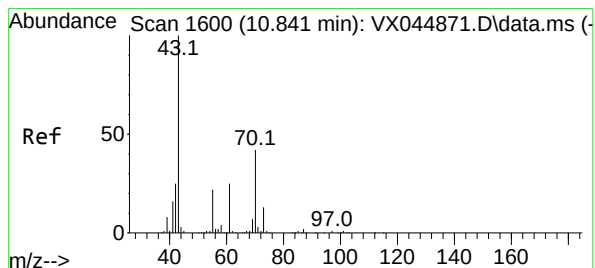
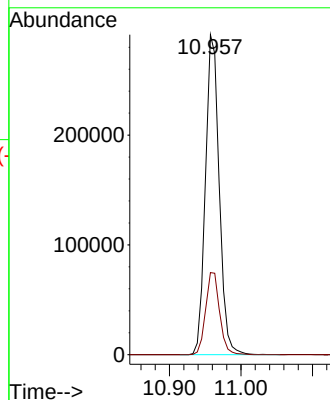
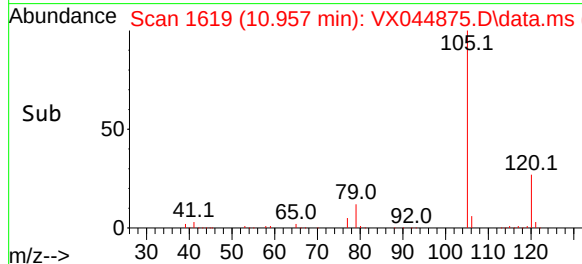
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025



Tgt Ion: 105 Resp: 390240
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.5

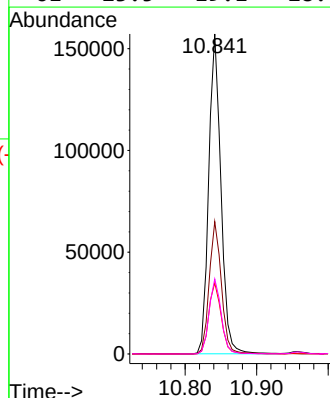
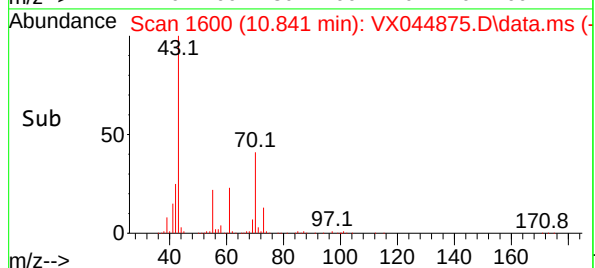
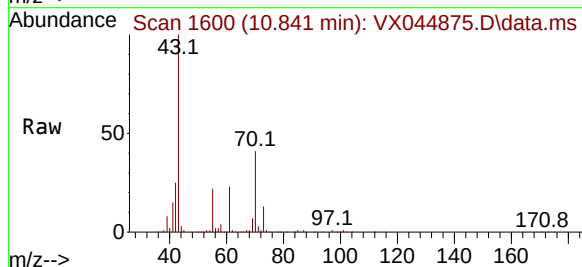
Manual Integrations
APPROVED

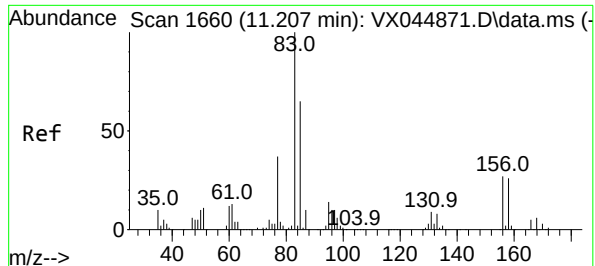
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

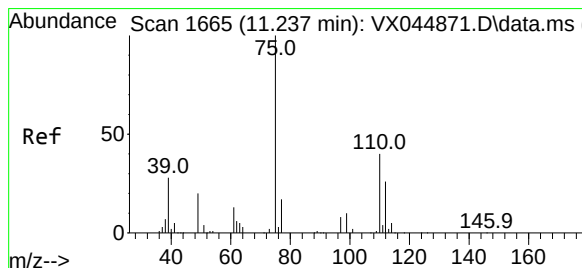
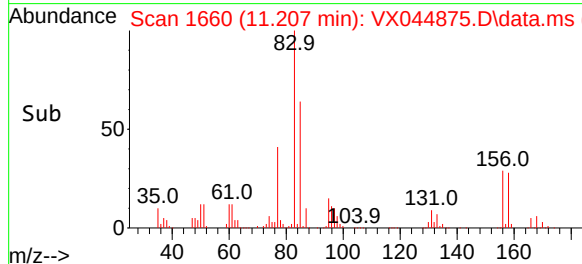
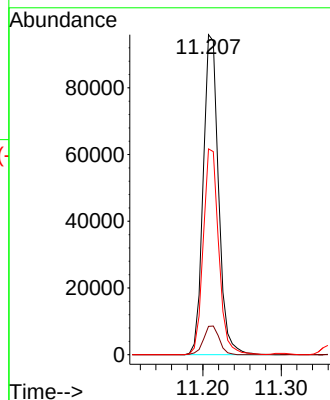
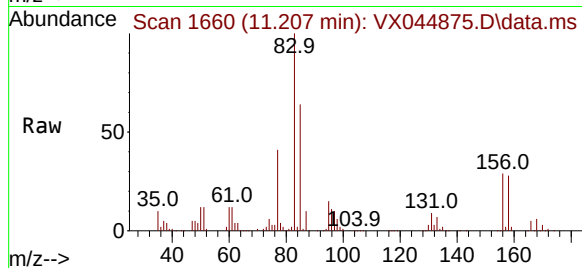
85 65.1 32.3 96.8

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

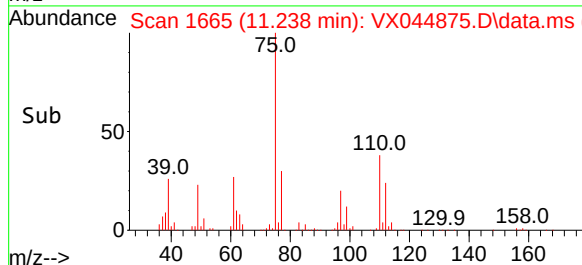
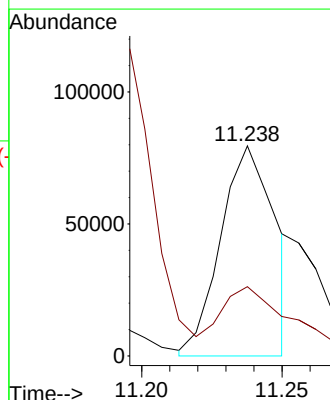
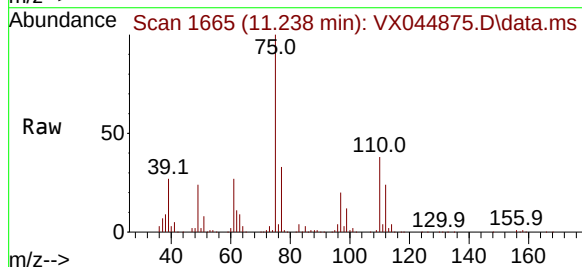
Acq: 10 Feb 2025 13:15

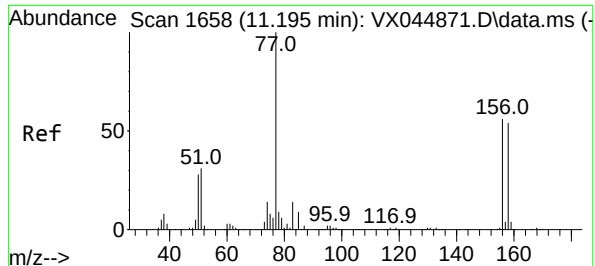
Tgt Ion: 75 Resp: 106893

Ion Ratio Lower Upper

75 100

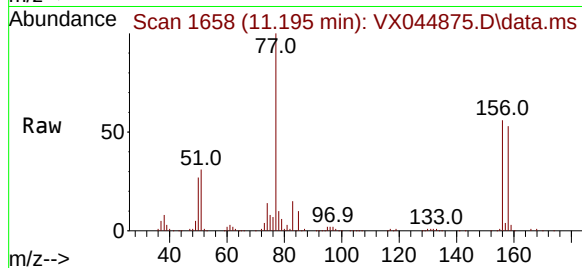
77 43.7 21.9 65.7





#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

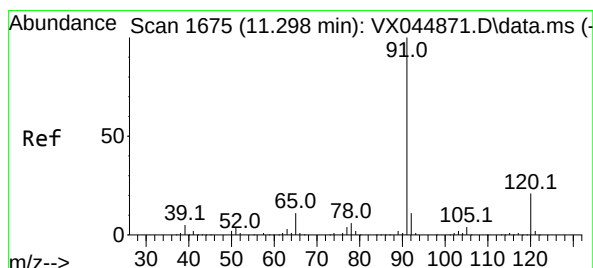
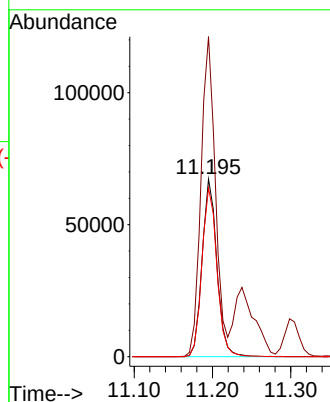
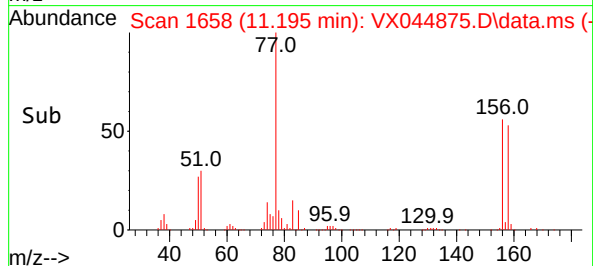
Instrument :
MSVOA_X
ClientSampleId :
ICVX021025



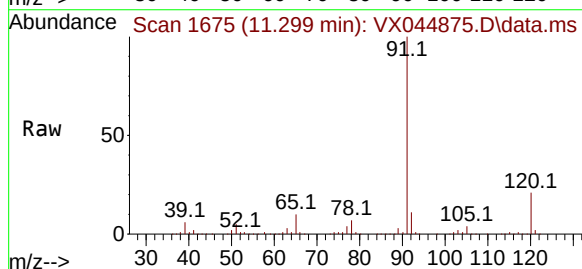
Tgt Ion:156 Resp: 88129
Ion Ratio Lower Upper
156 100
77 176.3 88.4 265.3
158 96.7 48.4 145.2

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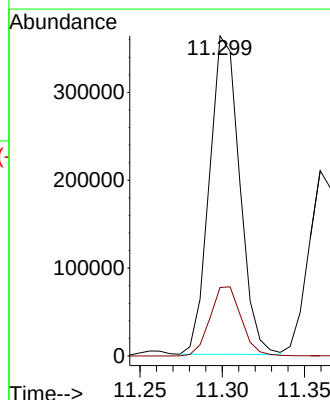
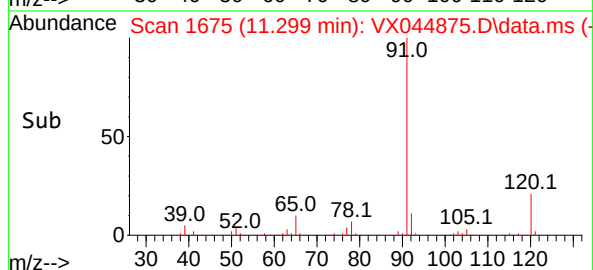
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

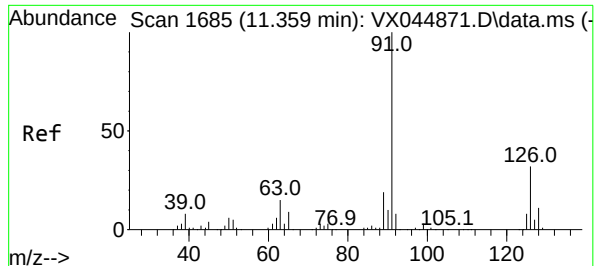


#78
n-propylbenzene
Concen: 51.386 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15



Tgt Ion: 91 Resp: 463655
Ion Ratio Lower Upper
91 100
120 22.5 11.1 33.3





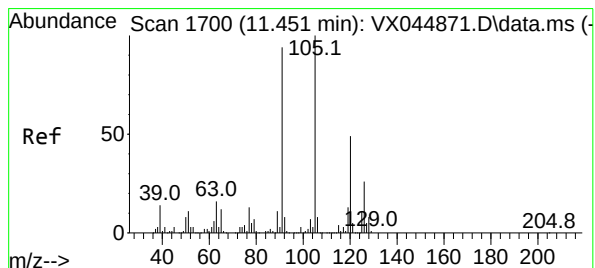
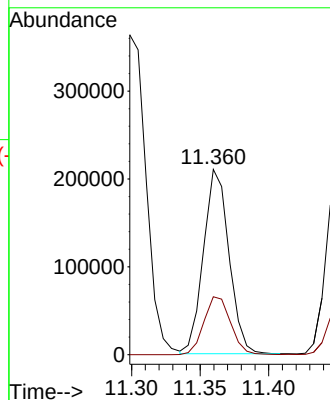
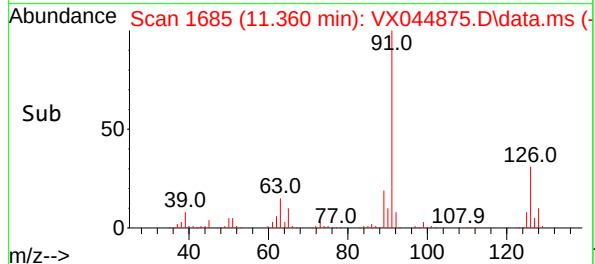
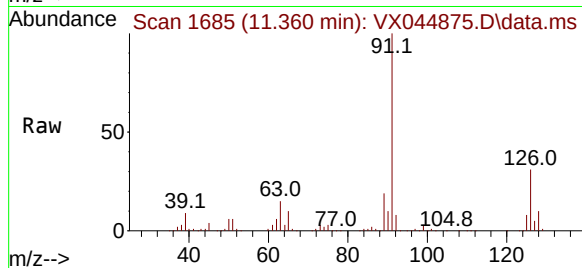
#79
2-Chlorotoluene
Concen: 49.065 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 91 Resp: 27209
Ion Ratio Lower Upper
91 100
126 33.0 16.2 48.6

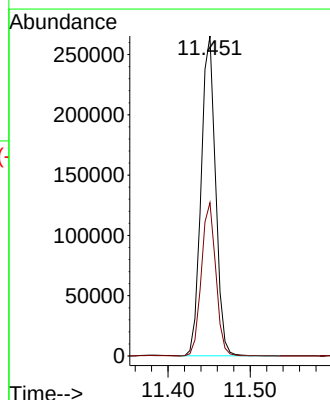
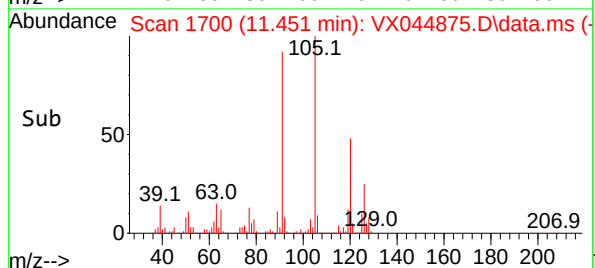
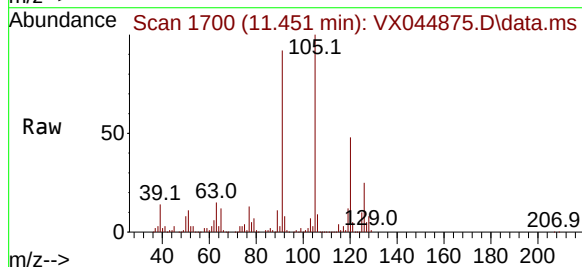
Manual Integrations
APPROVED

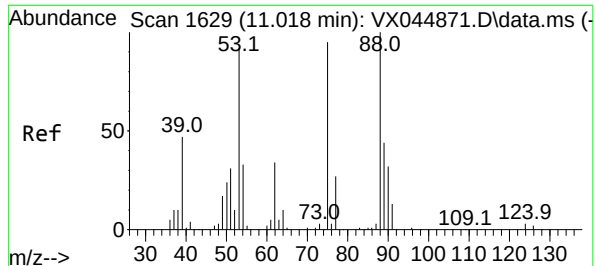
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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





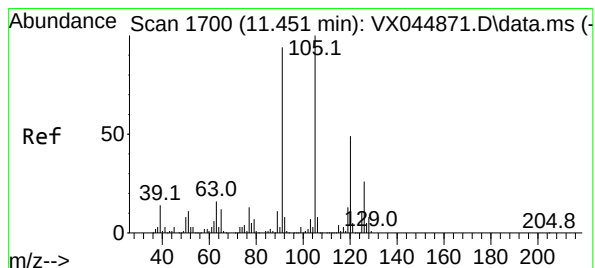
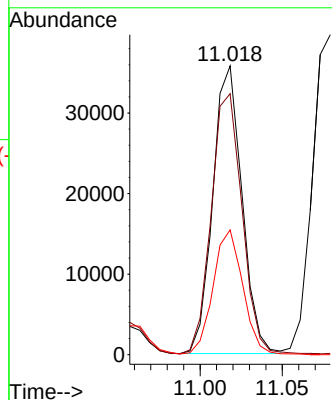
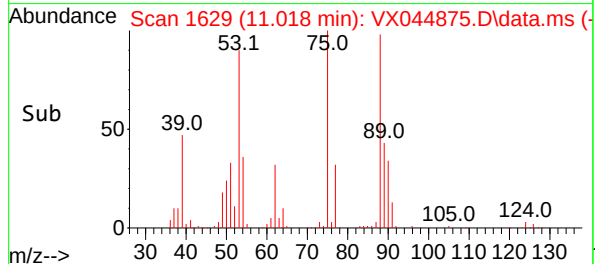
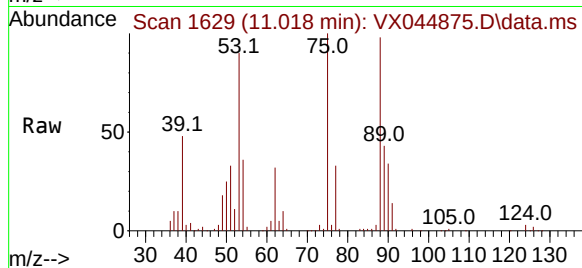
#81
trans-1,4-Dichloro-2-butene
Concen: 52.665 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
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

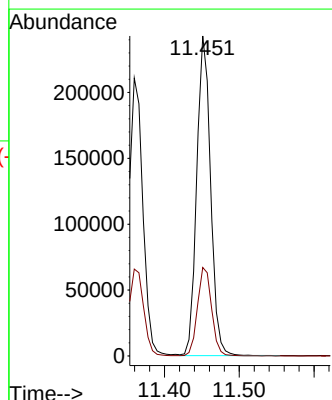
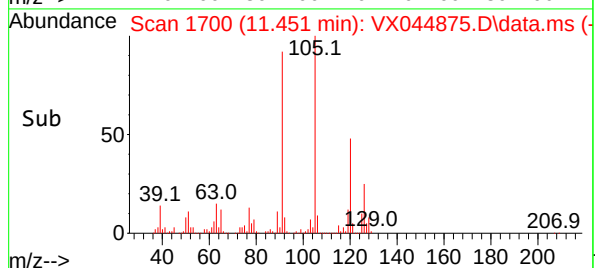
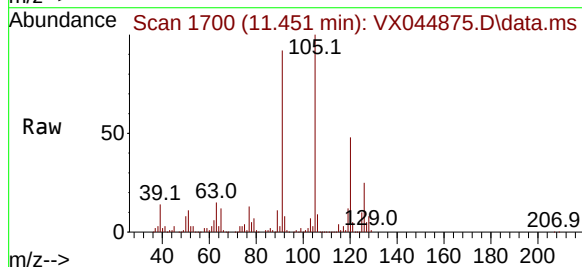
Manual Integrations
APPROVED

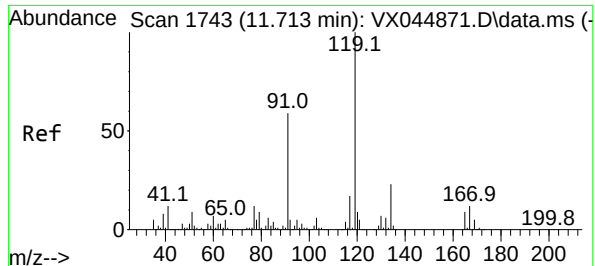
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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# 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

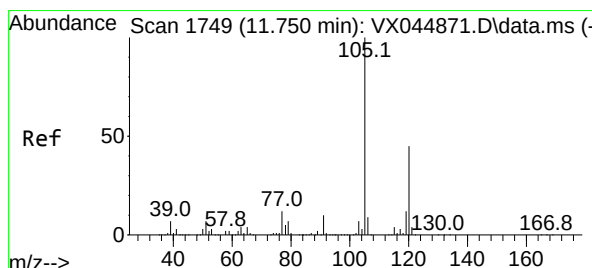
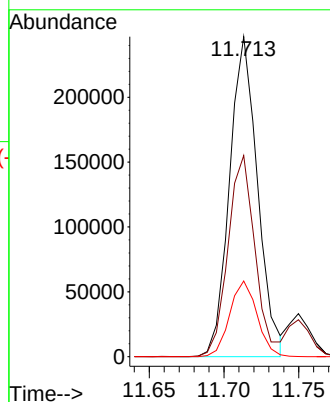
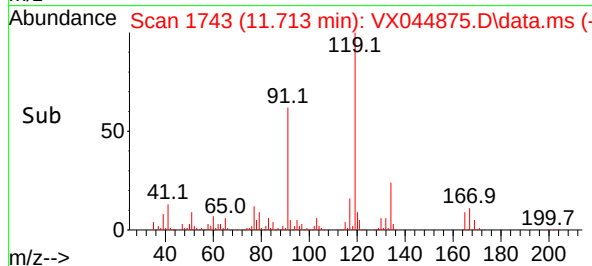
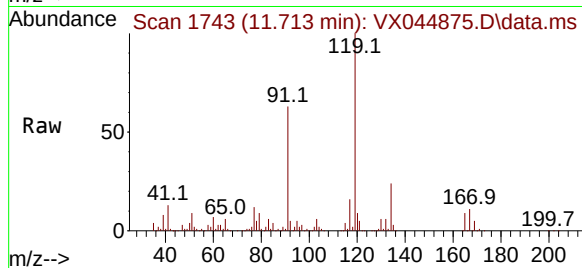
134 23.0 11.5 34.5

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

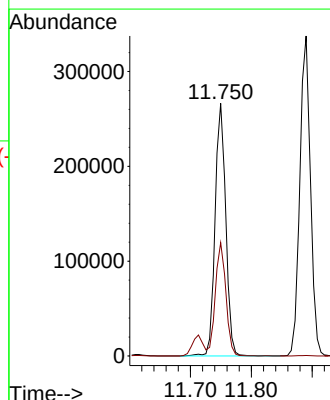
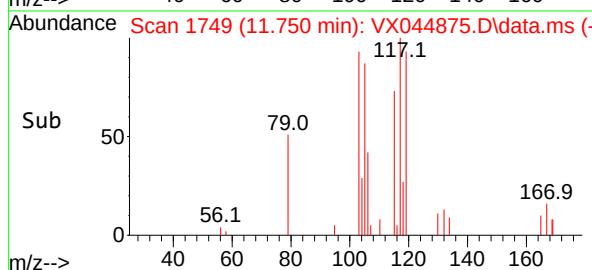
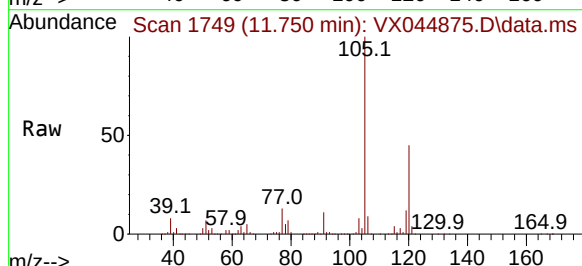
Acq: 10 Feb 2025 13:15

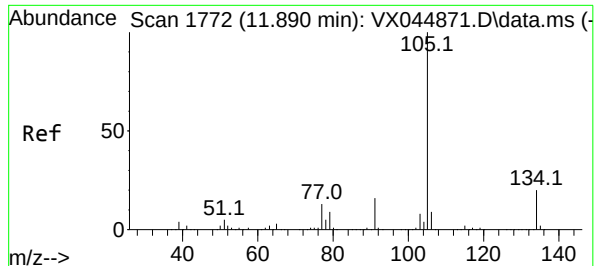
Tgt Ion:105 Resp: 323035

Ion Ratio Lower Upper

105 100

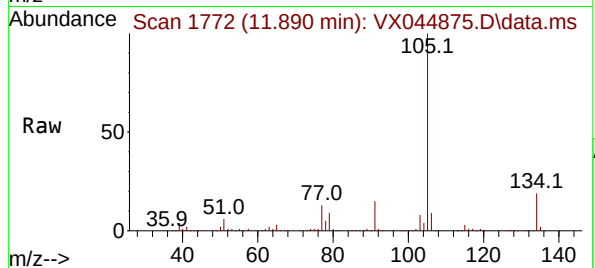
120 44.4 22.4 67.0





#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

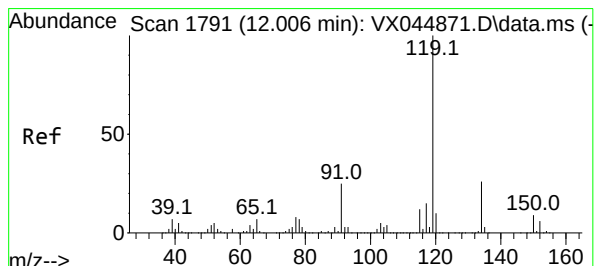
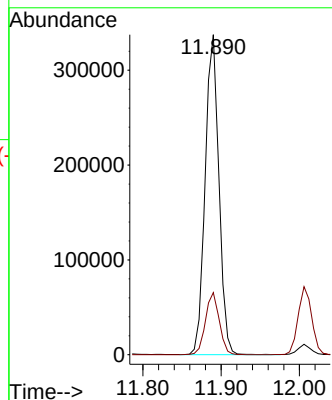
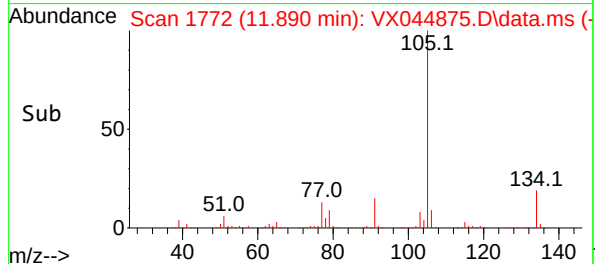
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025



Tgt Ion:105 Resp: 41019
Ion Ratio Lower Upper
105 100
134 19.5 9.8 29.3

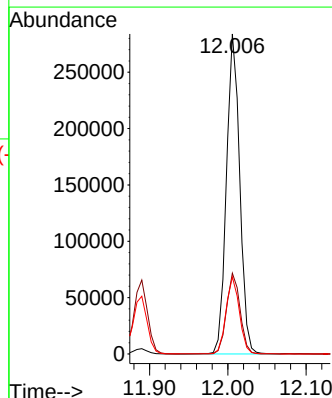
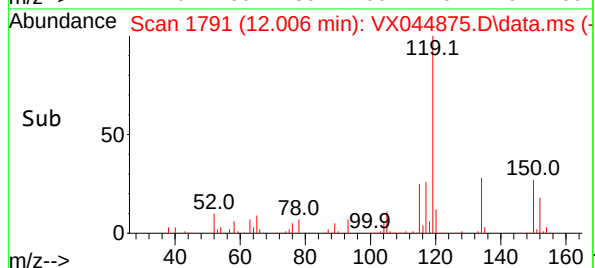
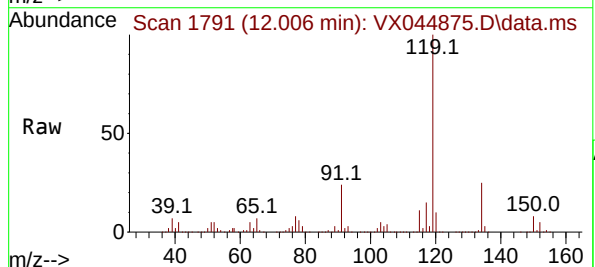
Manual Integrations
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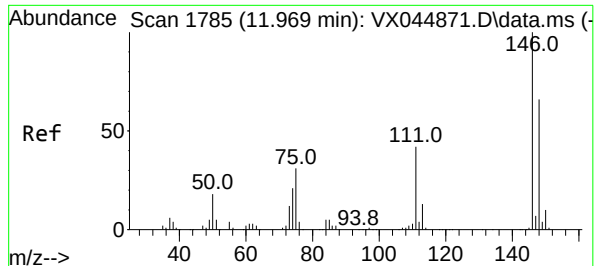
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#86
p-Isopropyltoluene
Concen: 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

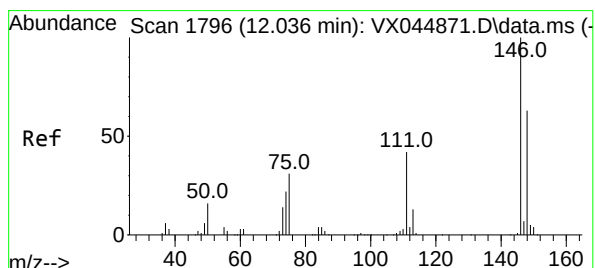
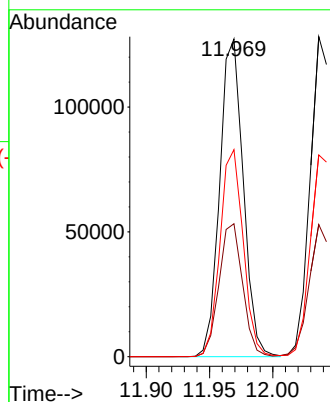
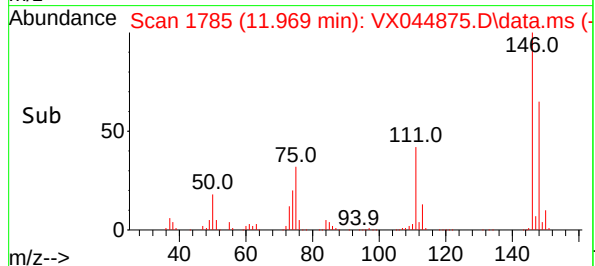
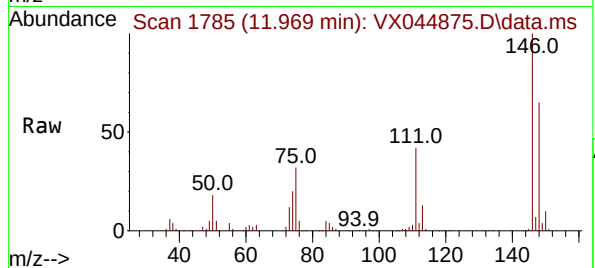
148 64.3 32.5 97.5

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

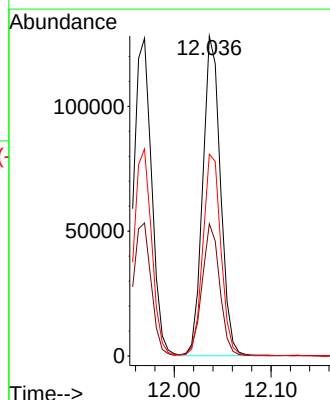
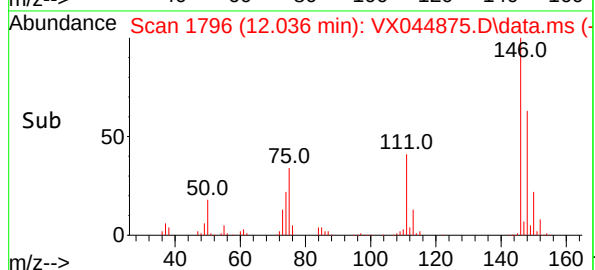
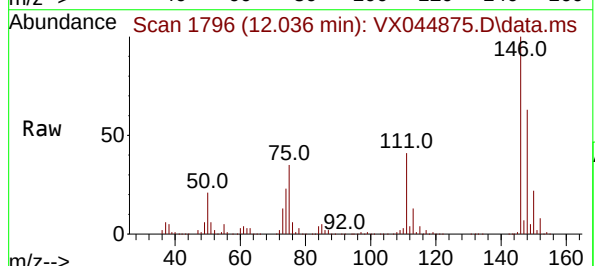
Tgt Ion:146 Resp: 163203

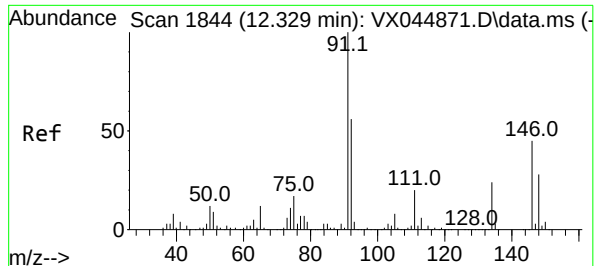
Ion Ratio Lower Upper

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

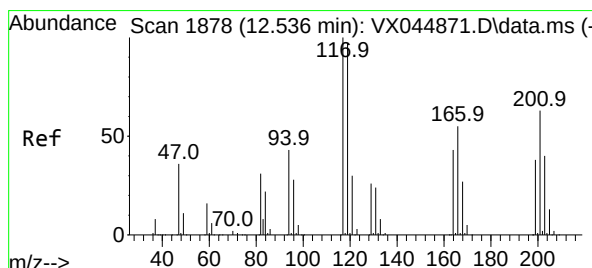
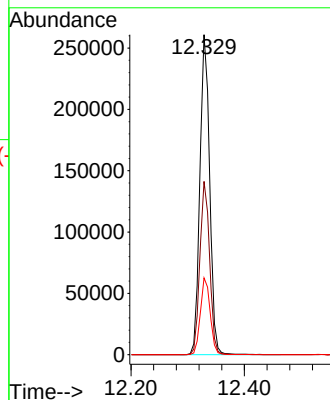
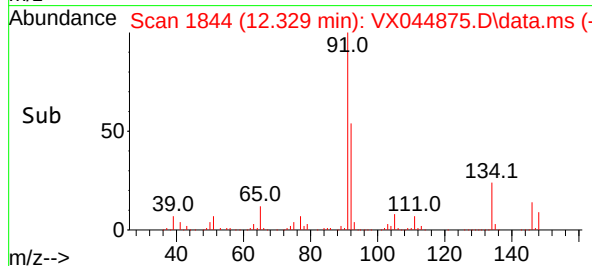
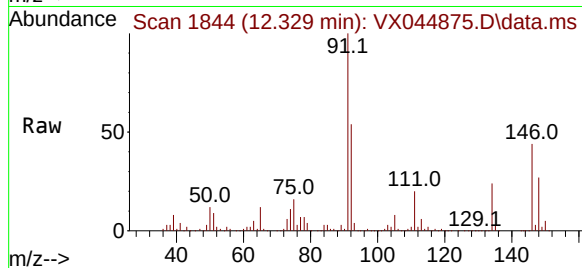
134 24.1 12.1 36.3

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

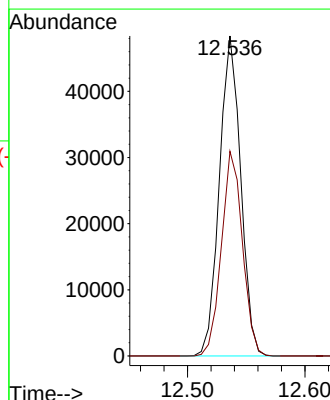
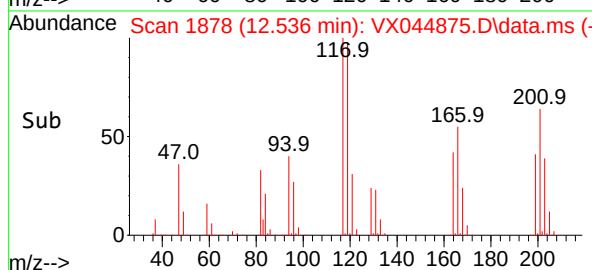
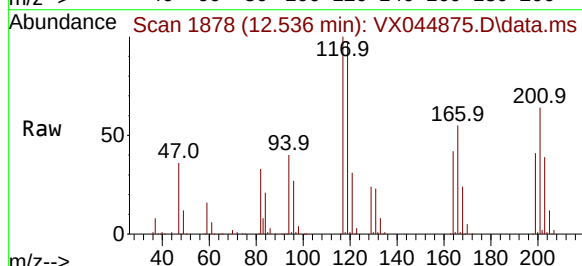
Acq: 10 Feb 2025 13:15

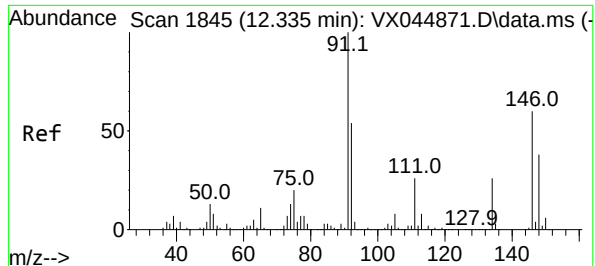
Tgt Ion:117 Resp: 61016

Ion Ratio Lower Upper

117 100

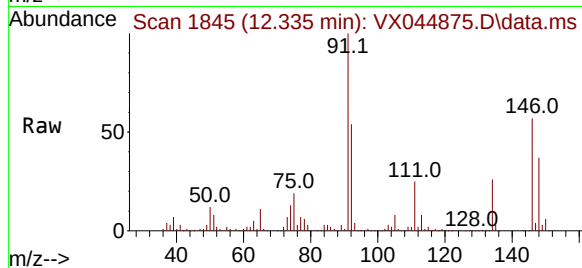
201 63.1 32.5 97.5





#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

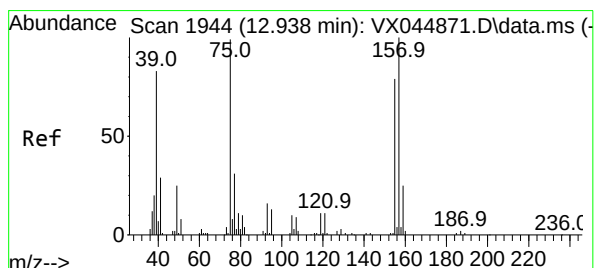
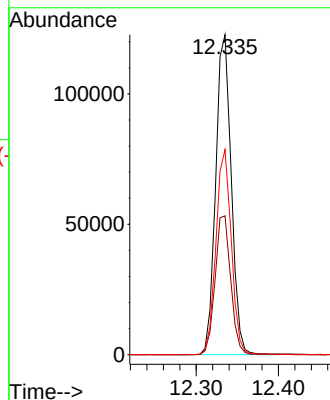
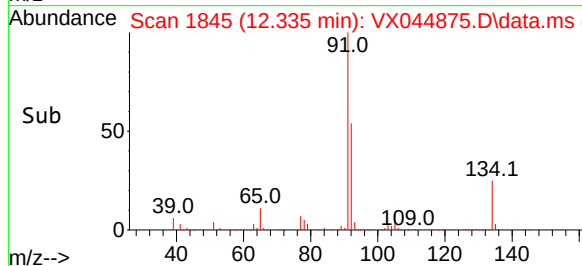
Instrument :
MSVOA_X
ClientSampleId :
ICVX021025



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

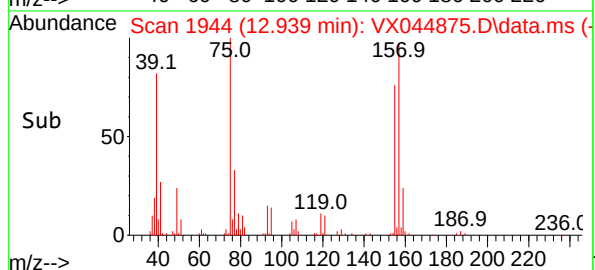
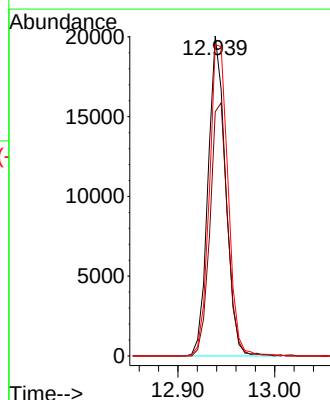
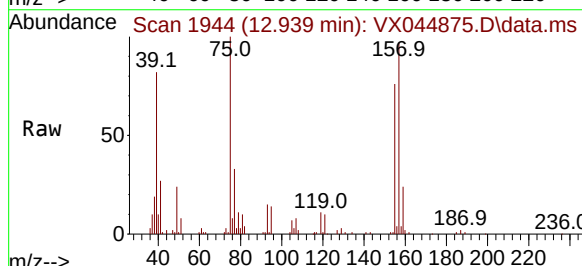
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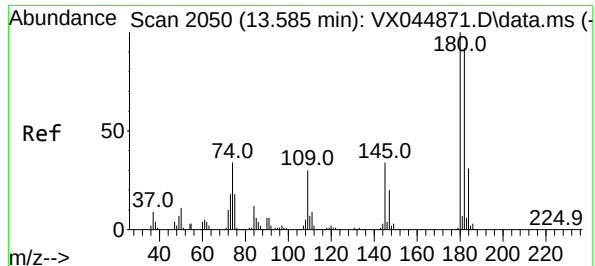
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.684 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

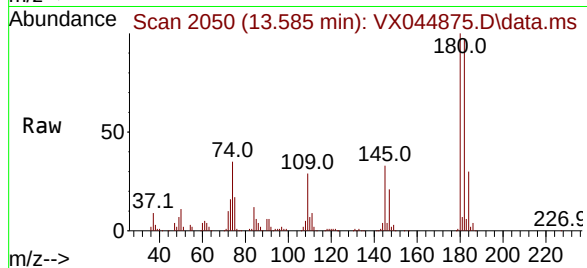
Tgt Ion: 75 Resp: 25339
Ion Ratio Lower Upper
75 100
155 79.5 40.5 121.4
157 103.5 51.4 154.3





#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

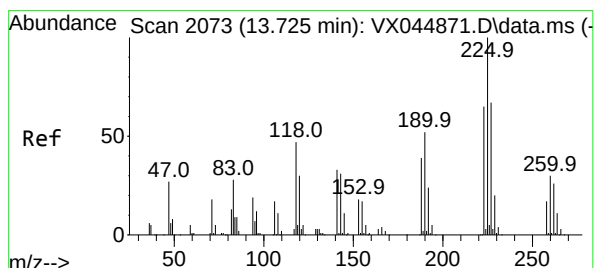
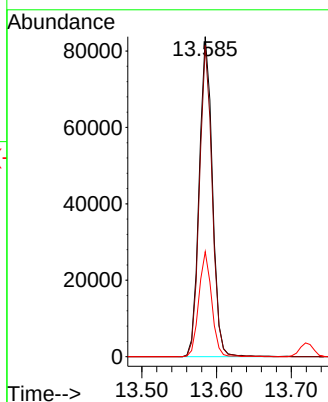
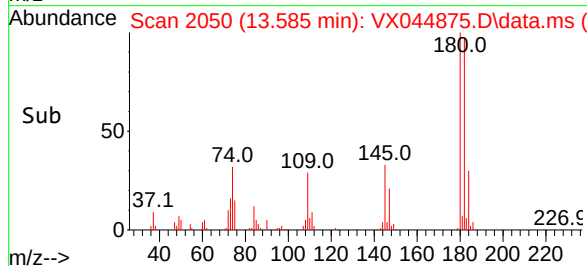
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025



Tgt Ion:180 Resp: 10219
Ion Ratio Lower Upper
180 100
182 94.1 47.6 142.8
145 31.9 16.4 49.1

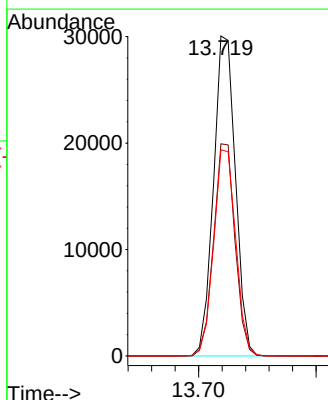
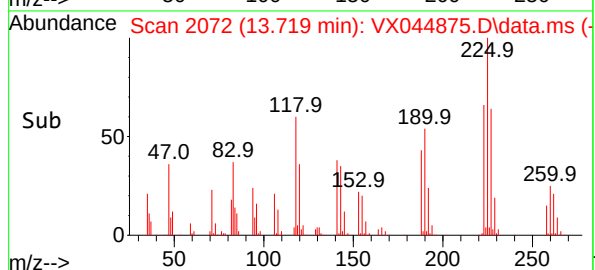
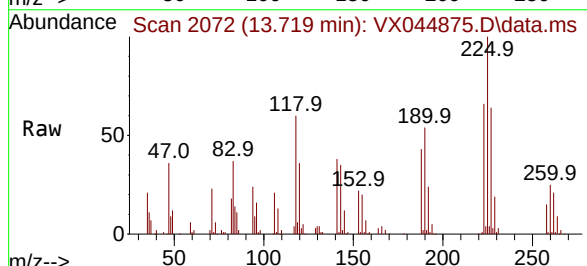
Manual Integrations
APPROVED

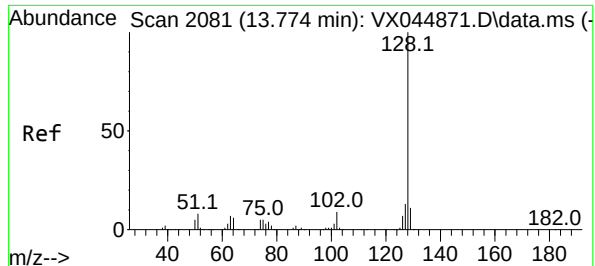
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#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

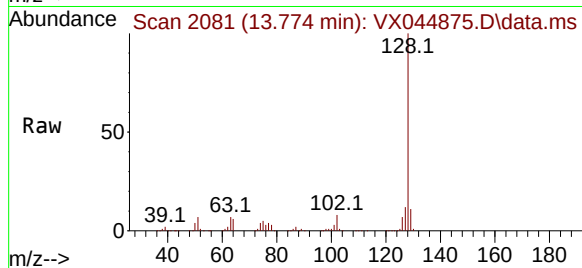
Tgt Ion:225 Resp: 38998
Ion Ratio Lower Upper
225 100
223 64.9 31.4 94.2
227 64.8 32.3 96.8





#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

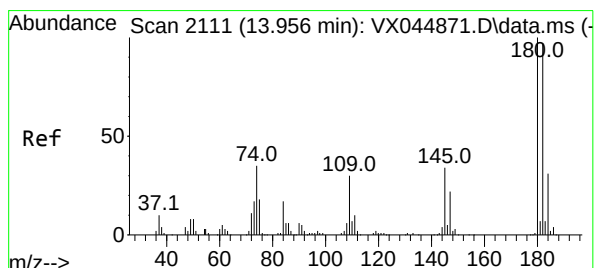
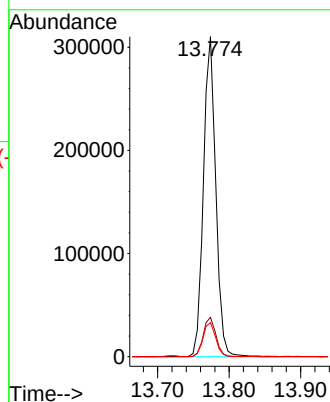
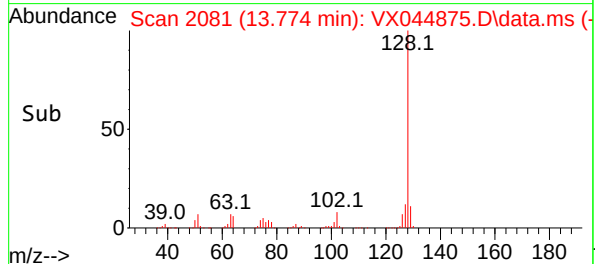
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025



Tgt Ion:128 Resp: 371570
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.9 8.9 13.3

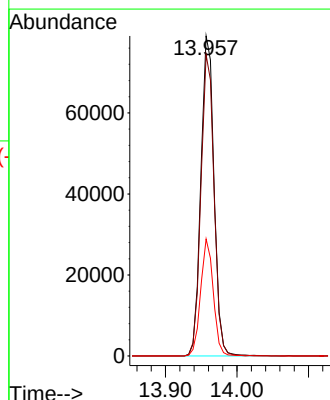
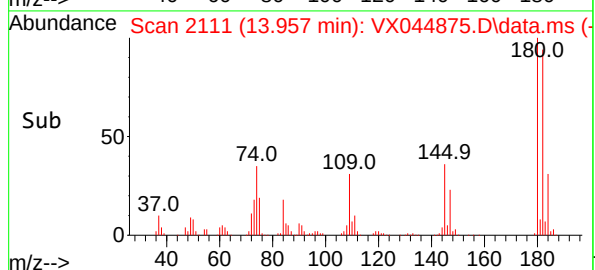
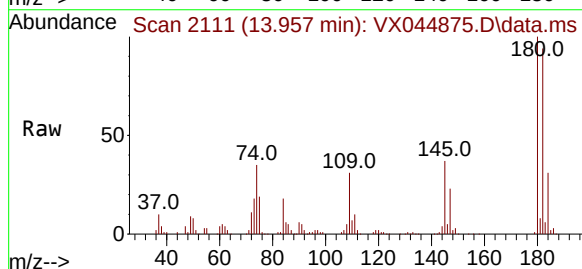
Manual Integrations
APPROVED

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\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)
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\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 :
 ICSVVX021025

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 :
 ICSVX021025

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-amyl 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 CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1327 SAS No.: Q1327 SDG No.: Q1327

Instrument ID: MSVOA_X Calibration Date/Time: 02/11/2025 10:09

Lab File ID: VX044893.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	0.769	0.1	-9.95	20
Vinyl Chloride	0.827	0.753		-8.95	20
Bromomethane	0.247	0.240		-2.83	20
Chloroethane	0.307	0.329		7.17	20
Trichlorofluoromethane	1.046	0.998		-4.59	20
1,1,2-Trichlorotrifluoroethane	0.632	0.607		-3.96	20
1,1-Dichloroethene	0.644	0.595		-7.61	20
Acetone	0.294	0.277		-5.78	20
Carbon Disulfide	1.767	1.631		-7.7	20
Methyl tert-butyl Ether	2.050	2.002		-2.34	20
Methylene Chloride	0.721	0.677		-6.1	20
trans-1,2-Dichloroethene	0.634	0.597		-5.84	20
1,1-Dichloroethane	1.233	1.179	0.1	-4.38	20
2-Butanone	0.478	0.467		-2.3	20
Carbon Tetrachloride	0.460	0.449		-2.39	20
cis-1,2-Dichloroethene	0.762	0.732		-3.94	20
Chloroform	1.196	1.146		-4.18	20
1,1,1-Trichloroethane	1.014	0.966		-4.73	20
Methylcyclohexane	0.606	0.637		5.12	20
Benzene	1.465	1.449		-1.09	20
1,2-Dichloroethane	0.467	0.482		3.21	20
Trichloroethene	0.335	0.334		-0.3	20
1,2-Dichloropropane	0.364	0.371		1.92	20
Bromodichloromethane	0.489	0.514		5.11	20
4-Methyl-2-Pentanone	0.512	0.530		3.52	20
Toluene	0.872	0.893		2.41	20
t-1,3-Dichloropropene	0.495	0.525		6.06	20
cis-1,3-Dichloropropene	0.552	0.586		6.16	20
1,1,2-Trichloroethane	0.335	0.344		2.69	20
2-Hexanone	0.369	0.384		4.07	20
Dibromochloromethane	0.359	0.377		5.01	20
Tetrachloroethene	0.315	0.300		-4.76	20
Chlorobenzene	1.074	1.049	0.3	-2.33	20
Ethyl Benzene	1.895	1.879		-0.84	20
m/p-Xylenes	0.699	0.699		0	20
o-Xylene	0.701	0.691		-1.43	20
Styrene	1.130	1.147		1.5	20
Bromoform	0.258	0.264	0.1	2.33	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, 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.: Q1327 SAS No.: Q1327 SDG No.: Q1327

Instrument ID: MSVOA_X Calibration Date/Time: 02/11/2025 10:09

Lab File ID: VX044893.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	3.967		-1.47	20
1,1,2,2-Tetrachloroethane	1.383	1.311	0.3	-5.21	20
1,3-Dichlorobenzene	1.678	1.655		-1.37	20
1,4-Dichlorobenzene	1.697	1.639		-3.42	20
1,2-Dichlorobenzene	1.650	1.615		-2.12	20
1,2-Dichloroethane-d4	0.732	0.712		-2.73	20
Dibromofluoromethane	0.325	0.323		-0.62	20
Toluene-d8	1.229	1.230		0.08	20
4-Bromofluorobenzene	0.414	0.426		2.9	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\VX021125\
 Data File : VX044893.D
 Acq On : 11 Feb 2025 10:09
 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 02/12/2025
 Supervised By : Mahesh Dadoda 02/12/2025

Quant Time: Feb 11 10:41:04 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	125474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	221806	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	200705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	89456	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	89338	48.64	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.28%
35) Dibromofluoromethane	5.373	113	71680	49.71	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.42%
50) Toluene-d8	8.641	98	272926	50.05	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.10%
62) 4-Bromofluorobenzene	11.079	95	94539	51.42	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.84%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	83442	48.64	ug/l	100
3) Chloromethane	1.300	50	96511	45.06	ug/l	95
4) Vinyl Chloride	1.374	62	94484	45.53	ug/l	97
5) Bromomethane	1.593	94	30080	48.44	ug/l	98
6) Chloroethane	1.666	64	41236	62.81	ug/l	97
7) Trichlorofluoromethane	1.874	101	125214	47.72	ug/l	99
8) Diethyl Ether	2.130	74	48238	50.69	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	76116	48.01	ug/l	99
10) Methyl Iodide	2.447	142	99655	48.50	ug/l	100
11) Tert butyl alcohol	2.989	59	81125	238.08	ug/l #	84
12) 1,1-Dichloroethene	2.312	96	74712	46.20	ug/l	97
13) Acrolein	2.233	56	87432	248.70	ug/l	98
14) Allyl chloride	2.654	41	138850	47.51	ug/l	97
15) Acrylonitrile	3.056	53	218594	240.27	ug/l	99
16) Acetone	2.380	43	173556	235.05	ug/l	98
17) Carbon Disulfide	2.501	76	204689	46.15	ug/l	99
18) Methyl Acetate	2.697	43	111028	47.65	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	251205	48.82	ug/l	98
20) Methylene Chloride	2.782	84	84927	46.96	ug/l	92
21) trans-1,2-Dichloroethene	3.081	96	74888	47.05	ug/l	96
22) Diisopropyl ether	3.751	45	275541	49.83	ug/l	95
23) Vinyl Acetate	3.715	43	1147936	254.64	ug/l	98
24) 1,1-Dichloroethane	3.599	63	147936	47.81	ug/l	99
25) 2-Butanone	4.550	43	292704	244.13	ug/l	95
26) 2,2-Dichloropropane	4.465	77	118943	48.48	ug/l	97
27) cis-1,2-Dichloroethene	4.477	96	91876	48.05	ug/l	99
28) Bromochloromethane	4.885	49	63054	42.41	ug/l	92
29) Tetrahydrofuran	4.995	42	192811	242.18	ug/l	93
30) Chloroform	5.086	83	143782	47.92	ug/l	99
31) Cyclohexane	5.458	56	135237	47.41	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	121149	47.60	ug/l	98
36) 1,1-Dichloropropene	5.684	75	99764	47.95	ug/l	98
37) Ethyl Acetate	4.708	43	113342	48.73	ug/l #	96
38) Carbon Tetrachloride	5.666	117	99680	48.89	ug/l	99
39) Methylcyclohexane	7.373	83	141217	52.50	ug/l	98
40) Benzene	6.025	78	321371	49.47	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044893.D
 Acq On : 11 Feb 2025 10:09
 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 02/12/2025
 Supervised By :Mahesh Dadoda 02/12/2025

Quant Time: Feb 11 10:41:04 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	64313	51.92	ug/l	97
42) 1,2-Dichloroethane	6.074	62	106806	51.58	ug/l	100
43) Isopropyl Acetate	6.330	43	192468	51.50	ug/l	97
44) Trichloroethene	7.116	130	74009	49.84	ug/l	100
45) 1,2-Dichloropropane	7.421	63	82208	50.86	ug/l	100
46) Dibromomethane	7.574	93	56698	50.58	ug/l	99
47) Bromodichloromethane	7.811	83	114110	52.58	ug/l	98
48) Methyl methacrylate	7.683	41	91692	52.04	ug/l	99
49) 1,4-Dioxane	7.659	88	38686	1023.30	ug/l	99
51) 4-Methyl-2-Pentanone	8.567	43	588239	258.92	ug/l	97
52) Toluene	8.714	92	198031	51.18	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	116558	53.07	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	129895	53.04	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	76273	51.28	ug/l	97
56) Ethyl methacrylate	9.110	69	126768	52.77	ug/l	97
57) 1,3-Dichloropropane	9.305	76	133222	51.19	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	361927	306.84	ug/l	95
59) 2-Hexanone	9.427	43	425326	259.83	ug/l	98
60) Dibromochloromethane	9.518	129	83627	52.57	ug/l	99
61) 1,2-Dibromoethane	9.604	107	77591	51.47	ug/l	99
64) Tetrachloroethene	9.269	164	60113	47.49	ug/l	99
65) Chlorobenzene	10.073	112	210623	48.86	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	68219	49.17	ug/l	99
67) Ethyl Benzene	10.189	91	377075	49.57	ug/l	98
68) m/p-Xylenes	10.299	106	280582	99.99	ug/l	98
69) o-Xylene	10.640	106	138735	49.27	ug/l	100
70) Styrene	10.652	104	230163	50.74	ug/l	98
71) Bromoform	10.799	173	53037	51.22	ug/l #	99
73) Isopropylbenzene	10.957	105	354838	49.26	ug/l	99
74) N-amyl acetate	10.841	43	166229	51.00	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	117303	47.39	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	96054m	43.62	ug/l	
77) Bromobenzene	11.195	156	79799	48.87	ug/l	97
78) n-propylbenzene	11.299	91	420391	50.57	ug/l	99
79) 2-Chlorotoluene	11.360	91	243433	47.64	ug/l	98
80) 1,3,5-Trimethylbenzene	11.445	105	288797	49.41	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	37854	49.10	ug/l	96
82) 4-Chlorotoluene	11.451	91	277142	49.03	ug/l	98
83) tert-Butylbenzene	11.713	119	294574	49.82	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	291318	50.50	ug/l	100
85) sec-Butylbenzene	11.884	105	368710	50.35	ug/l	99
86) p-Isopropyltoluene	12.006	119	301888	51.27	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	148060	49.30	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	146583	48.49	ug/l	98
89) n-Butylbenzene	12.329	91	278914	53.54	ug/l	99
90) Hexachloroethane	12.536	117	55271	50.13	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	144478	48.95	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22187	49.11	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	90876	50.88	ug/l	99
94) Hexachlorobutadiene	13.719	225	35673	50.32	ug/l	99
95) Naphthalene	13.774	128	325482	50.42	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	89533	49.75	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
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 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Quant Time: Feb 11 10:41:04 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

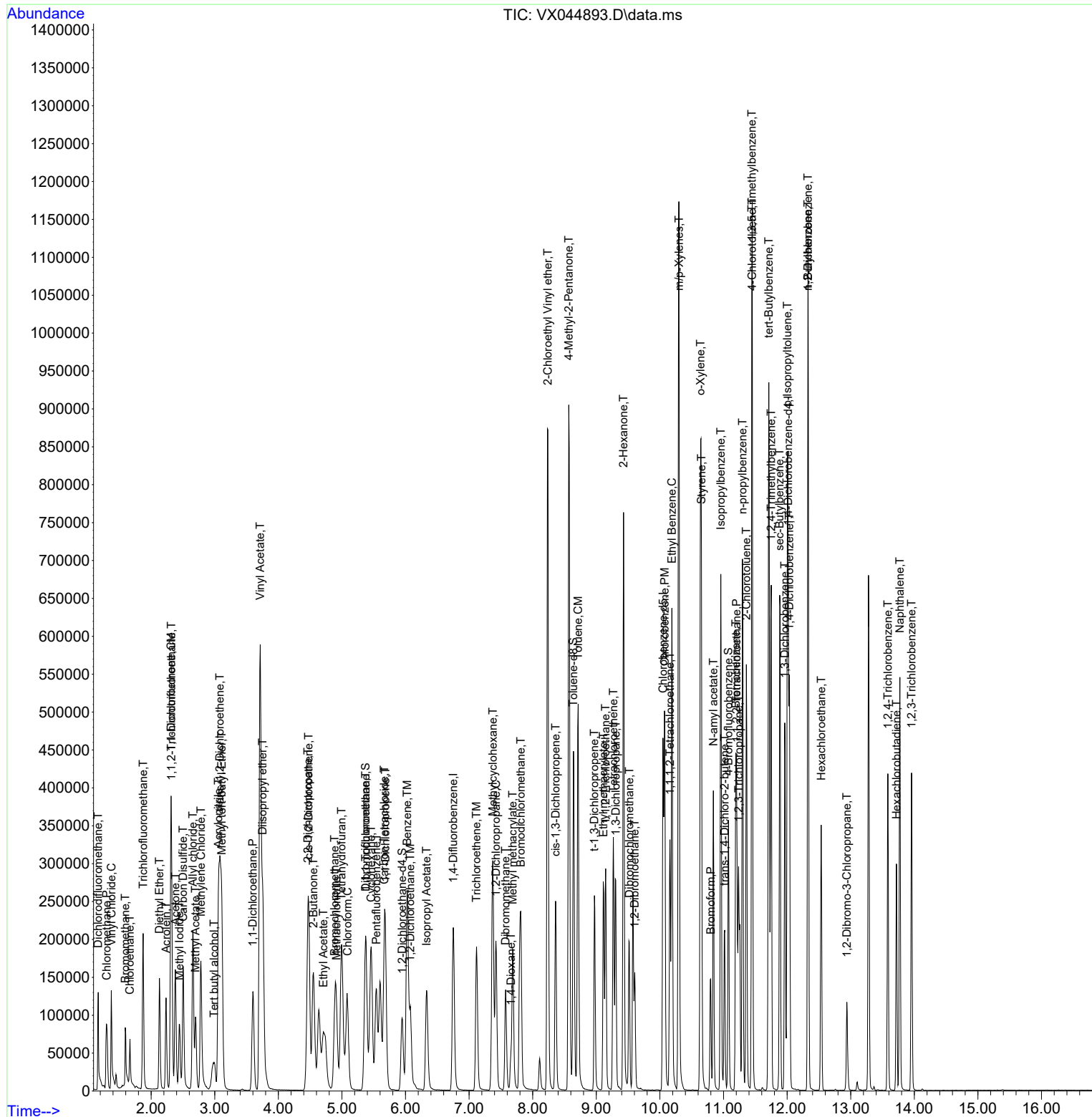
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 Data File : VX044893.D
 Acq On : 11 Feb 2025 10:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

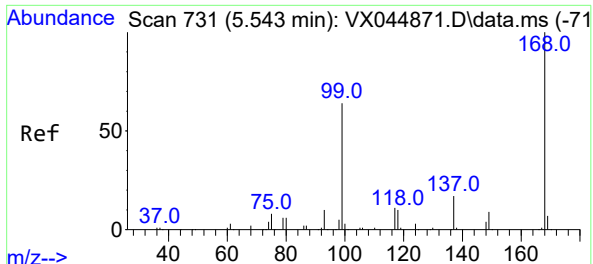
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations APPROVED

Reviewed By : John Carlone 02/12/2025
 Supervised By : Mahesh Dadoda 02/12/2025

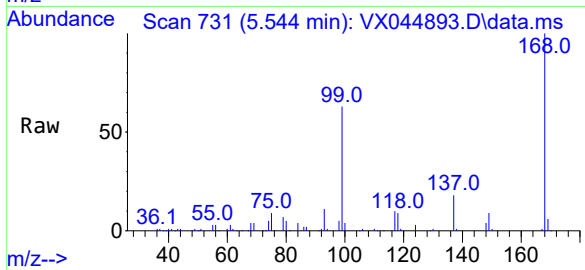
Quant Time: Feb 11 10:41:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

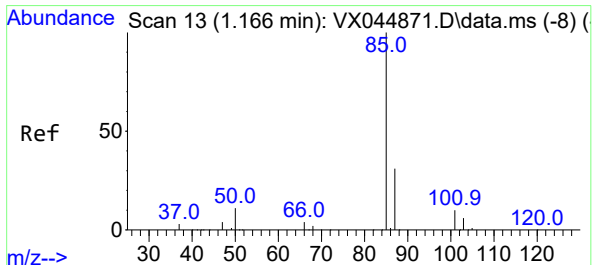
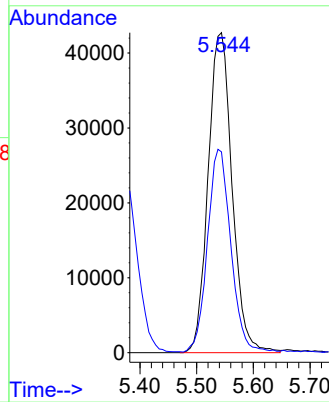
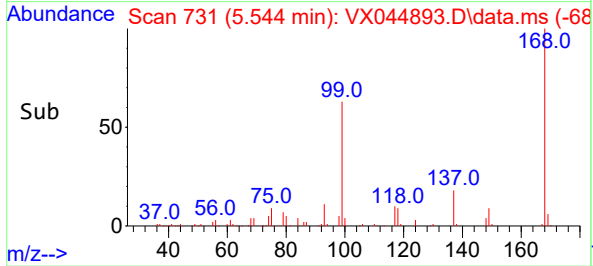
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:168 Resp: 125474
Ion Ratio Lower Upper
168 100
99 62.4 51.1 76.7

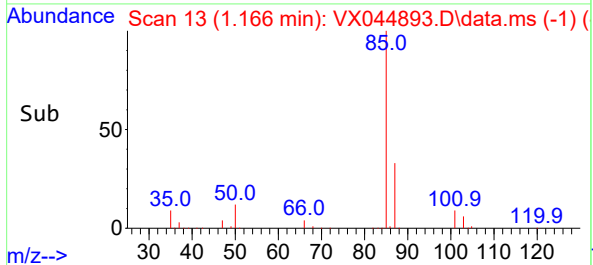
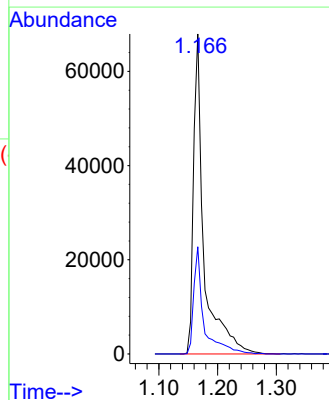
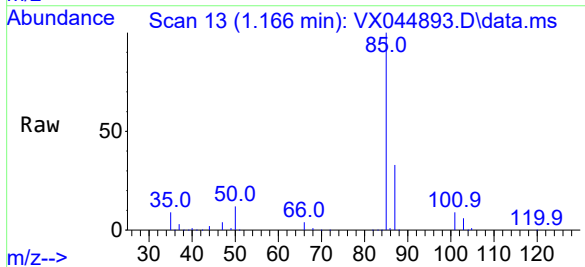
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

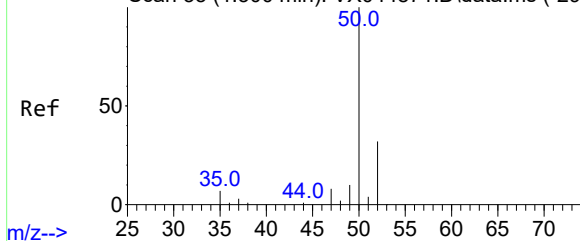


#2
Dichlorodifluoromethane
Concen: 48.64 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 85 Resp: 83442
Ion Ratio Lower Upper
85 100
87 33.5 16.8 50.4



Abundance Scan 35 (1.300 min): VX044871.D\data.ms (-29)



#3

Chloromethane

Concen: 45.06 ug/l

RT: 1.300 min Scan# 35

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 9651

Ion Ratio Lower Upper

50 100

52 30.7 27.0 40.4

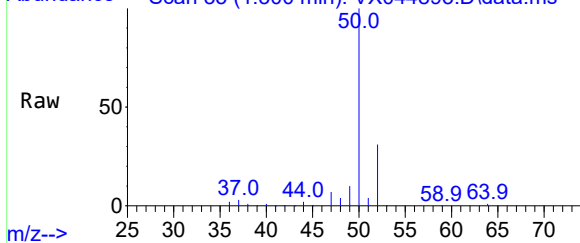
Manual Integrations

APPROVED

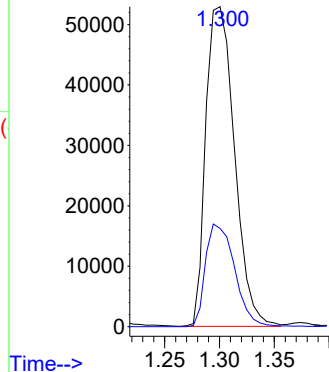
Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025

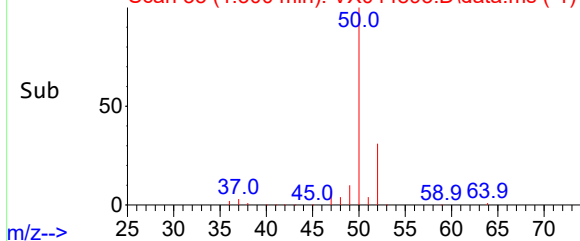
Abundance Scan 35 (1.300 min): VX044893.D\data.ms



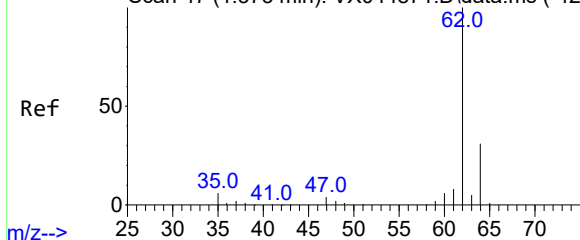
Abundance



Abundance Scan 35 (1.300 min): VX044893.D\data.ms (-1) (



Abundance Scan 47 (1.373 min): VX044871.D\data.ms (-42)



#4

Vinyl Chloride

Concen: 45.53 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

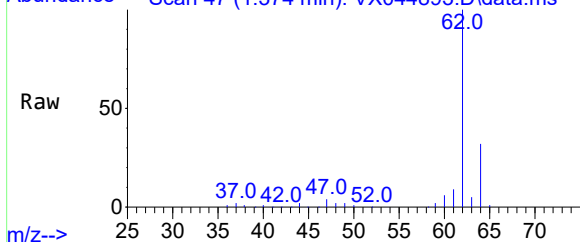
Tgt Ion: 62 Resp: 94484

Ion Ratio Lower Upper

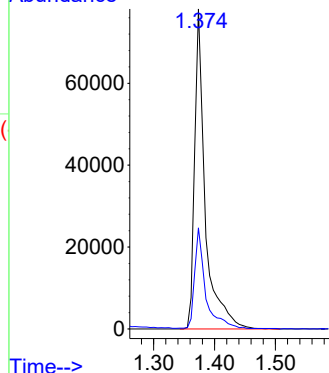
62 100

64 31.6 26.6 39.8

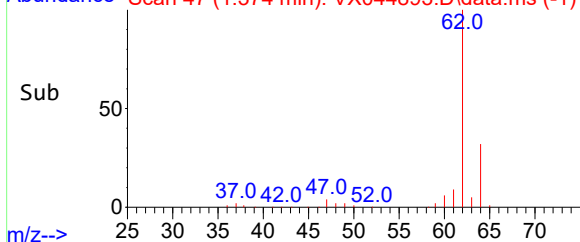
Abundance Scan 47 (1.374 min): VX044893.D\data.ms



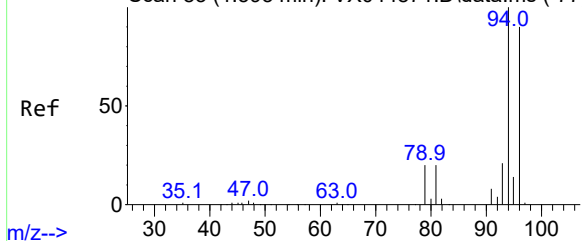
Abundance



Abundance Scan 47 (1.374 min): VX044893.D\data.ms (-1) (



Abundance Scan 83 (1.593 min): VX044871.D\data.ms (-77)

#5
Bromomethane

Concen: 48.44 ug/l

RT: 1.593 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 30080

Ion Ratio Lower Upper

94 100

96 93.0 72.8 109.2

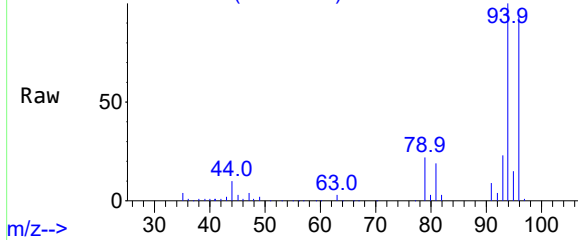
Manual Integrations

APPROVED

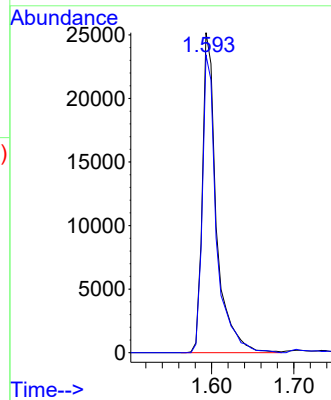
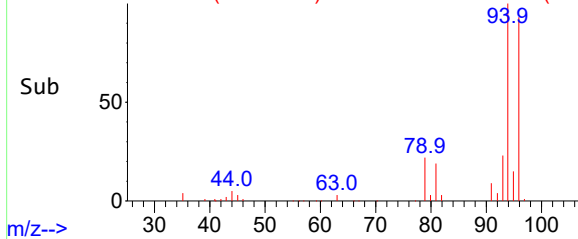
Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025

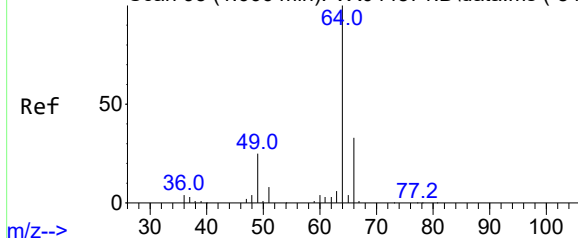
Abundance Scan 83 (1.593 min): VX044893.D\data.ms



Abundance Scan 83 (1.593 min): VX044893.D\data.ms (-34)



Abundance Scan 95 (1.666 min): VX044871.D\data.ms (-84)



#6

Chloroethane

Concen: 62.81 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

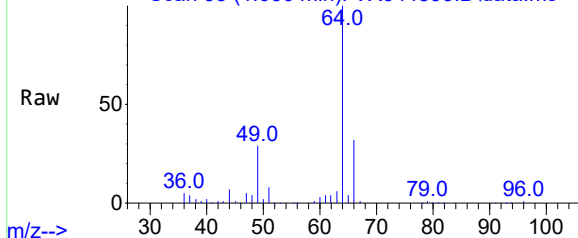
Tgt Ion: 64 Resp: 41236

Ion Ratio Lower Upper

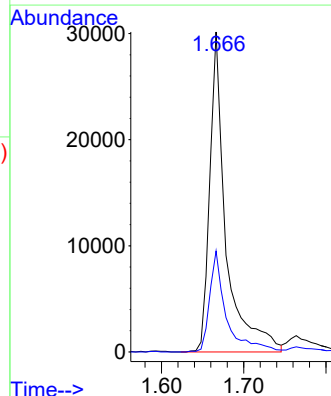
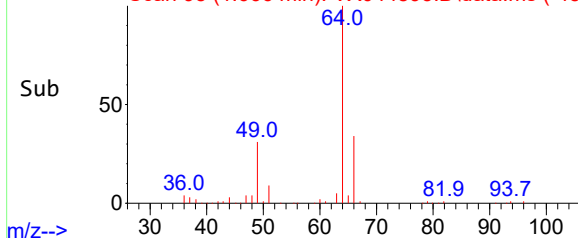
64 100

66 31.6 26.6 39.8

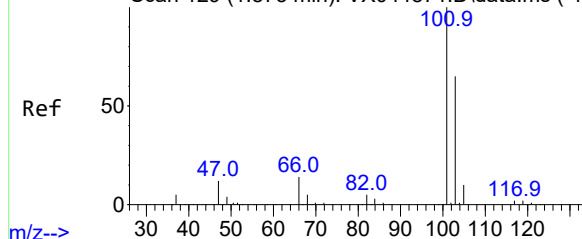
Abundance Scan 95 (1.666 min): VX044893.D\data.ms



Abundance Scan 95 (1.666 min): VX044893.D\data.ms (-45)



Abundance Scan 129 (1.873 min): VX044871.D\data.ms (-12



#7

Trichlorofluoromethane

Concen: 47.72 ug/l

RT: 1.874 min Scan# 11

Delta R.T. 0.007 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:101 Resp: 125214

Ion Ratio Lower Upper

101 100

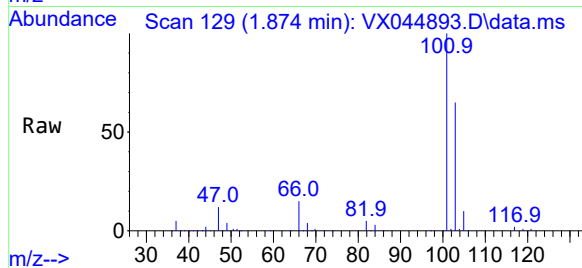
103 65.0 52.5 78.7

Manual Integrations

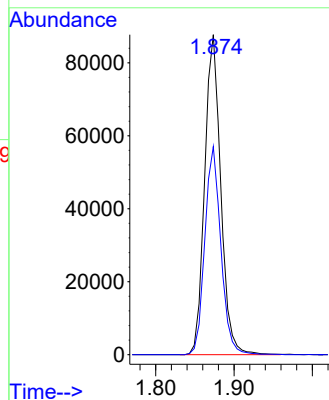
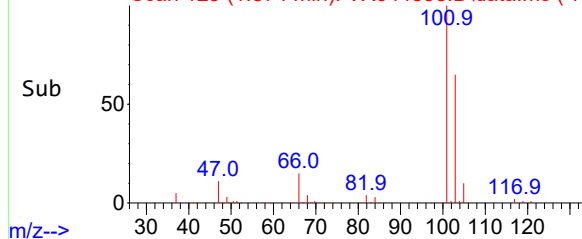
APPROVED

Reviewed By :John Carlone 02/12/2025

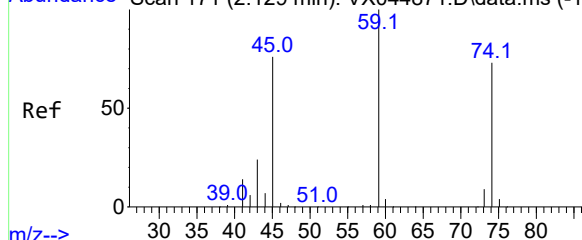
Supervised By :Mahesh Dadoda 02/12/2025



Abundance Scan 129 (1.874 min): VX044893.D\data.ms (-79



Abundance Scan 171 (2.129 min): VX044871.D\data.ms (-16



#8

Diethyl Ether

Concen: 50.69 ug/l

RT: 2.130 min Scan# 171

Delta R.T. -0.006 min

Lab File: VX044893.D

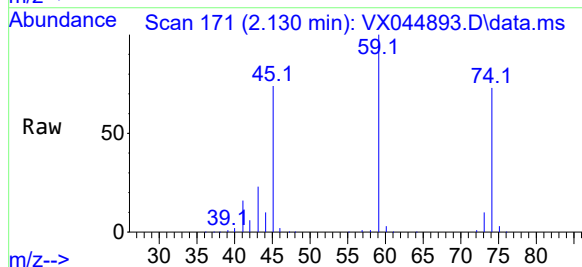
Acq: 11 Feb 2025 10:09

Tgt Ion: 74 Resp: 48238

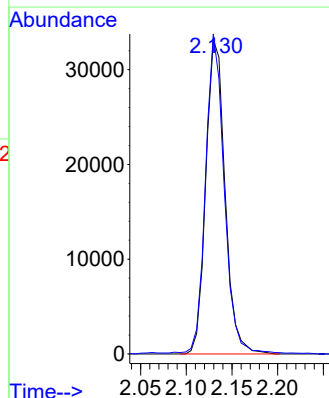
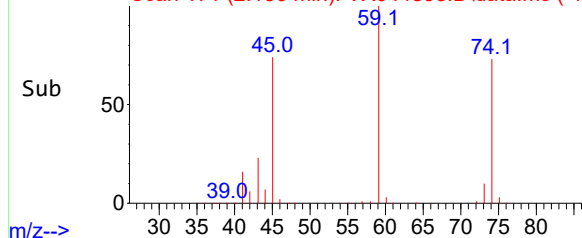
Ion Ratio Lower Upper

74 100

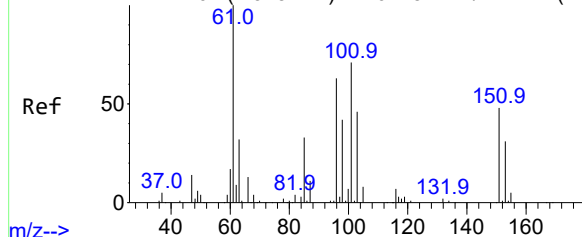
45 100.0 47.1 141.3



Abundance Scan 171 (2.130 min): VX044893.D\data.ms (-12



Abundance Scan 202 (2.318 min): VX044871.D\data.ms (-19



#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.01 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

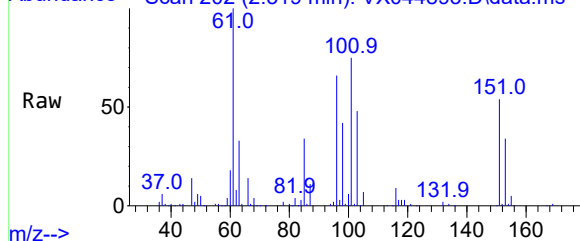
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Abundance Scan 202 (2.319 min): VX044893.D\data.ms



Tgt Ion:101 Resp: 76110

Ion Ratio Lower Upper

101 100

85 45.1 35.3 52.9

151 72.4 58.2 87.4

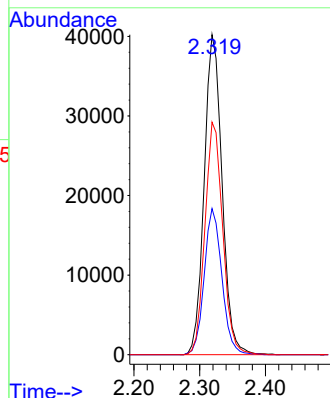
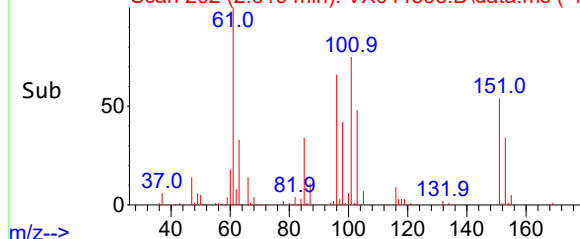
Manual Integrations

APPROVED

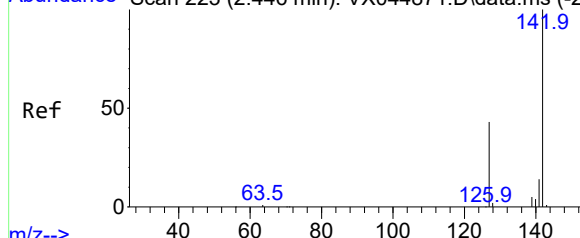
Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025

Abundance Scan 202 (2.319 min): VX044893.D\data.ms (-15



Abundance Scan 223 (2.446 min): VX044871.D\data.ms (-21



#10

Methyl Iodide

Concen: 48.50 ug/l

RT: 2.447 min Scan# 223

Delta R.T. 0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Tgt Ion:142 Resp: 99655

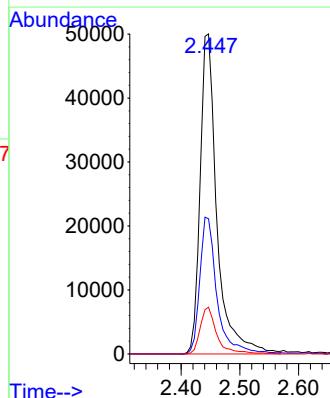
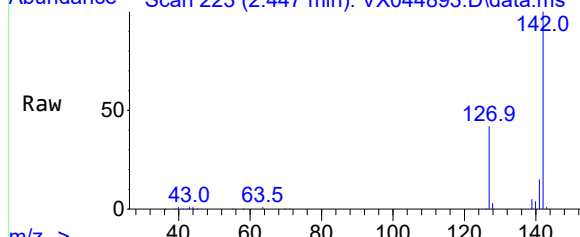
Ion Ratio Lower Upper

142 100

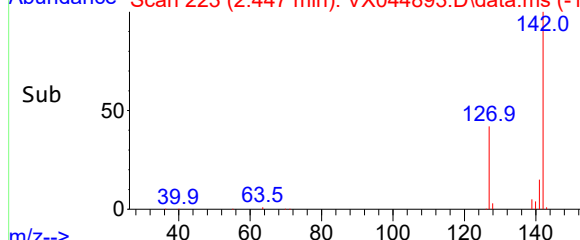
127 43.9 35.0 52.4

141 14.5 11.7 17.5

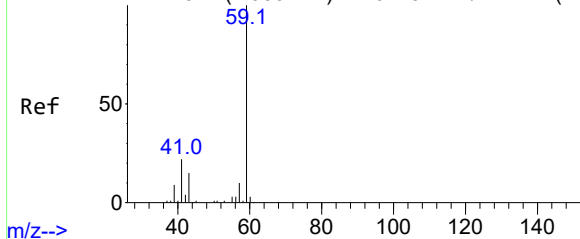
Abundance Scan 223 (2.447 min): VX044893.D\data.ms



Abundance Scan 223 (2.447 min): VX044893.D\data.ms (-17



Abundance Scan 311 (2.983 min): VX044871.D\data.ms (-29



#11

Tert butyl alcohol

Concen: 238.08 ug/l

RT: 2.989 min Scan# 311

Delta R.T. 0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 8112

Ion Ratio Lower Upper

59 100

57 10.3 3.9 5.9

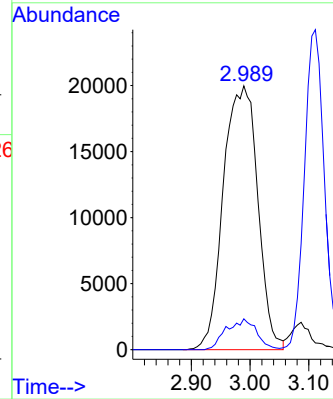
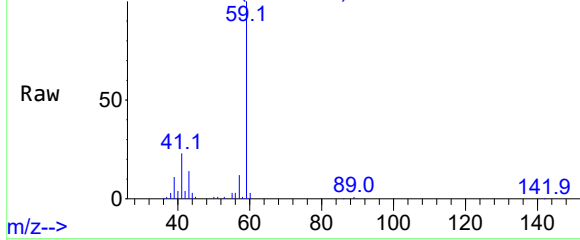
Manual Integrations

APPROVED

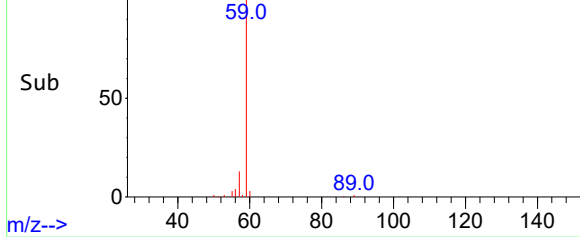
Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025

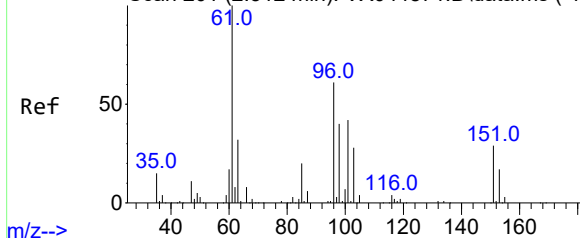
Abundance Scan 312 (2.989 min): VX044893.D\data.ms



Abundance Scan 312 (2.989 min): VX044893.D\data.ms (-26



Abundance Scan 201 (2.312 min): VX044871.D\data.ms (-19



#12

1,1-Dichloroethene

Concen: 46.20 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Tgt Ion: 96 Resp: 74712

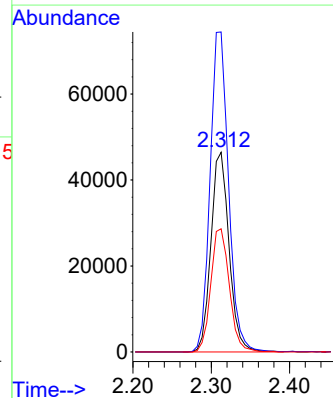
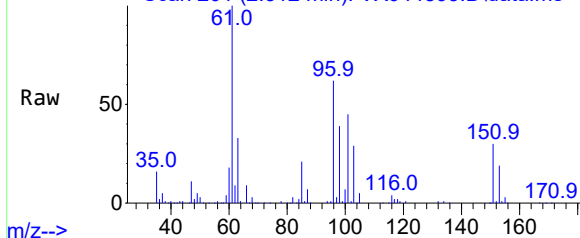
Ion Ratio Lower Upper

96 100

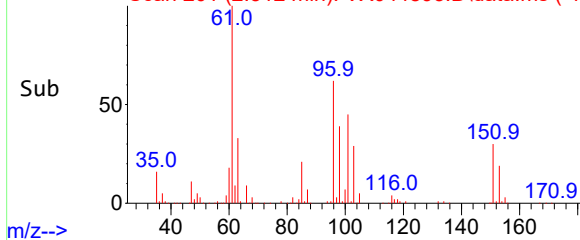
61 160.2 131.1 196.7

98 61.7 51.2 76.8

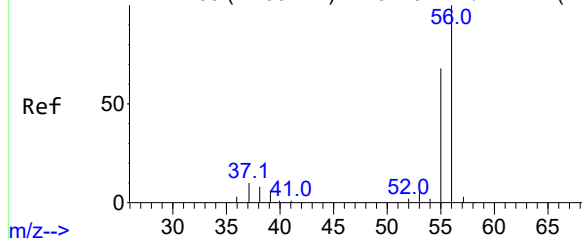
Abundance Scan 201 (2.312 min): VX044893.D\data.ms



Abundance Scan 201 (2.312 min): VX044893.D\data.ms (-15



Abundance Scan 188 (2.233 min): VX044871.D\data.ms (-18



#13

Acrolein

Concen: 248.70 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 8743

Ion Ratio Lower Upper

56 100

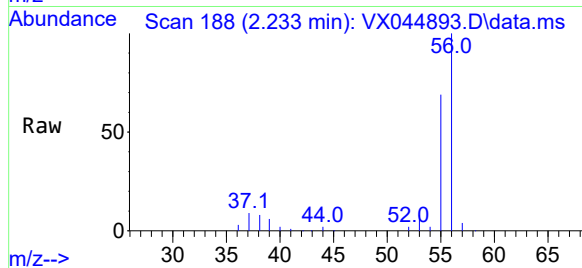
55 70.5 55.1 82.7

Manual Integrations

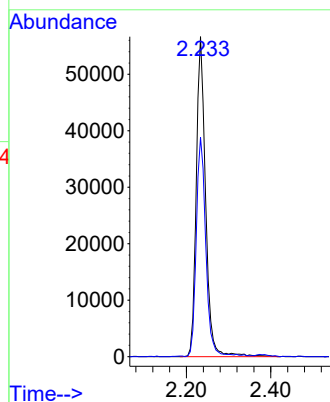
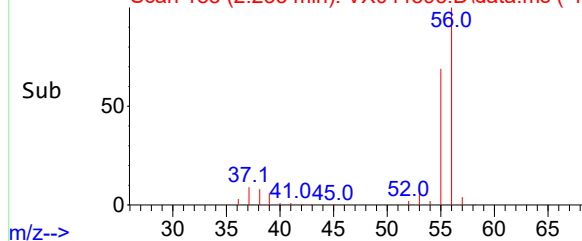
APPROVED

Reviewed By :John Carlone 02/12/2025

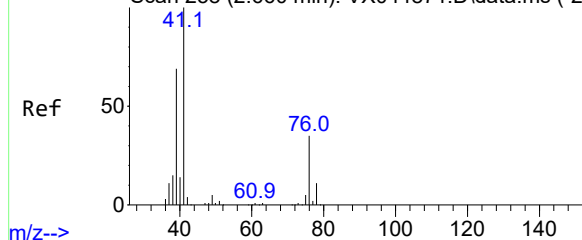
Supervised By :Mahesh Dadoda 02/12/2025



Abundance Scan 188 (2.233 min): VX044893.D\data.ms (-14



Abundance Scan 258 (2.660 min): VX044871.D\data.ms (-24



#14

Allyl chloride

Concen: 47.51 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

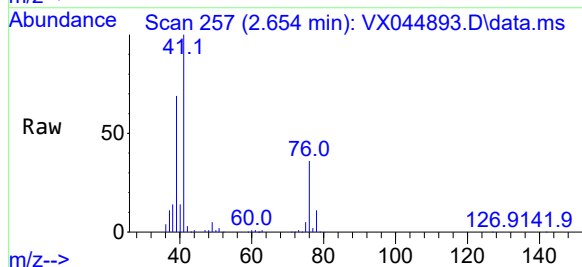
Tgt Ion: 41 Resp: 138850

Ion Ratio Lower Upper

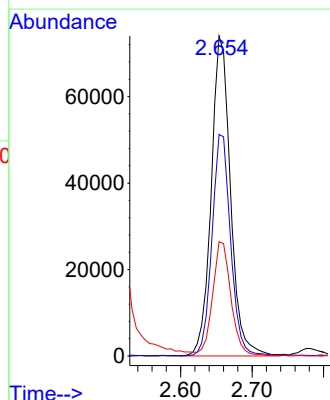
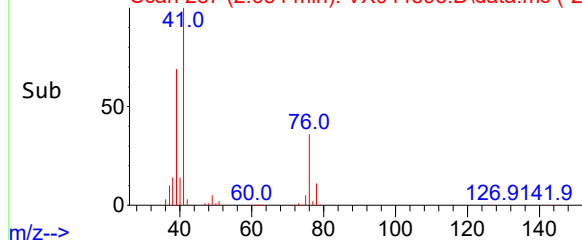
41 100

39 66.6 54.9 82.3

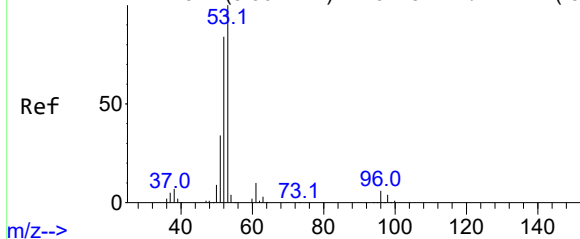
76 34.0 28.4 42.6



Abundance Scan 257 (2.654 min): VX044893.D\data.ms (-20



Abundance Scan 324 (3.062 min): VX044871.D\data.ms (-31



#15

Acrylonitrile

Concen: 240.27 ug/l

RT: 3.056 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

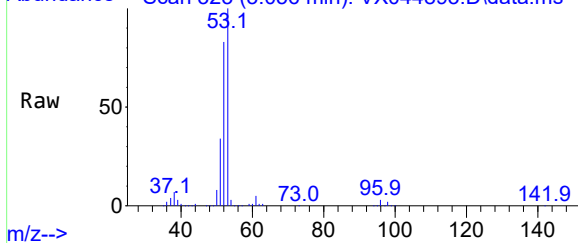
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Abundance Scan 323 (3.056 min): VX044893.D\data.ms



Tgt Ion: 53 Resp: 218594

Ion Ratio Lower Upper

53 100

52 83.0 66.0 99.0

51 34.9 28.9 43.3

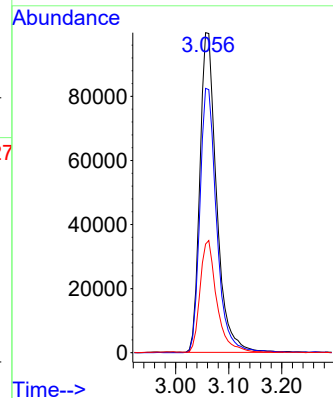
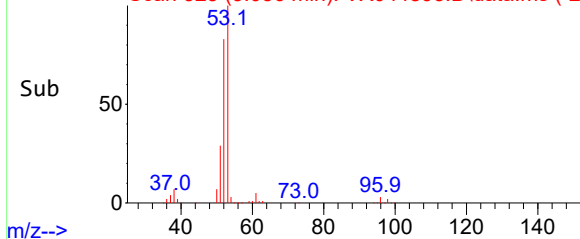
Manual Integrations

APPROVED

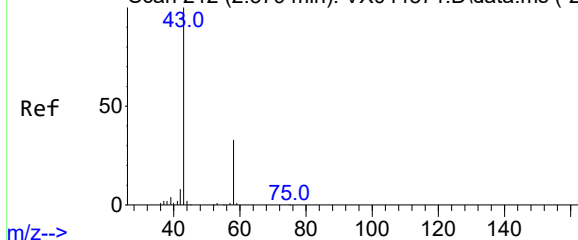
Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025

Abundance Scan 323 (3.056 min): VX044893.D\data.ms (-27



Abundance Scan 212 (2.379 min): VX044871.D\data.ms (-20



#16

Acetone

Concen: 235.05 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

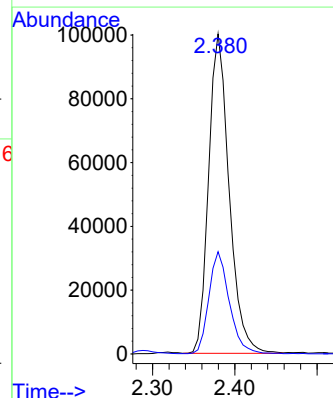
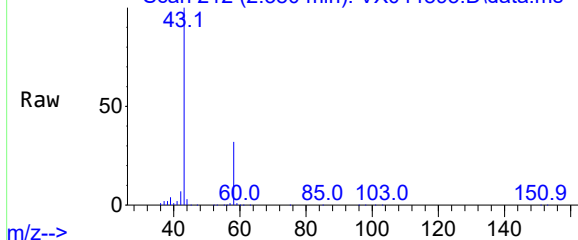
Tgt Ion: 43 Resp: 173556

Ion Ratio Lower Upper

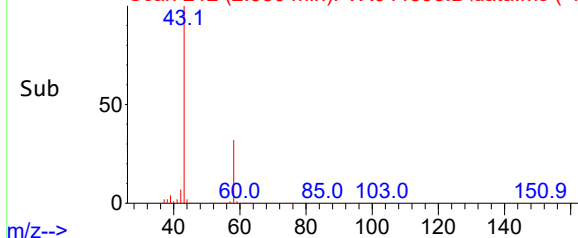
43 100

58 31.9 24.6 37.0

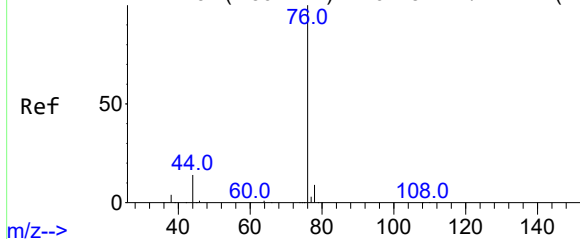
Abundance Scan 212 (2.380 min): VX044893.D\data.ms



Abundance Scan 212 (2.380 min): VX044893.D\data.ms (-16



Abundance Scan 232 (2.501 min): VX044871.D\data.ms (-22



#17

Carbon Disulfide

Concen: 46.15 ug/l

RT: 2.501 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 204689

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

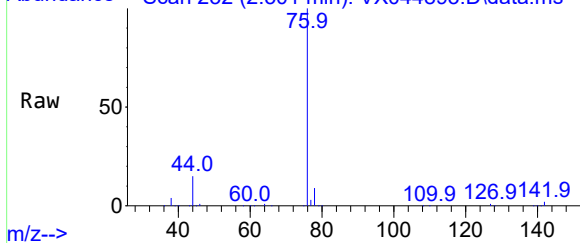
Manual Integrations

APPROVED

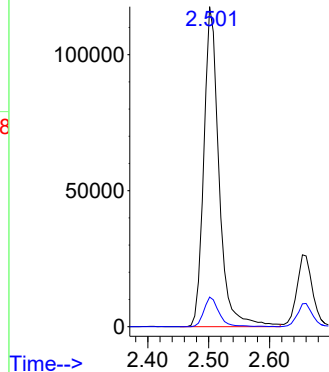
Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025

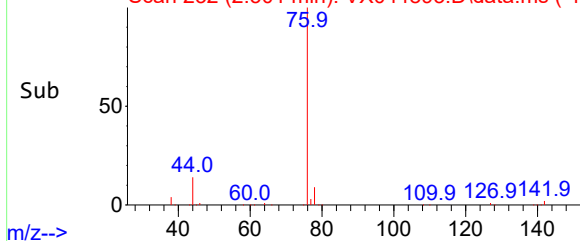
Abundance Scan 232 (2.501 min): VX044893.D\data.ms



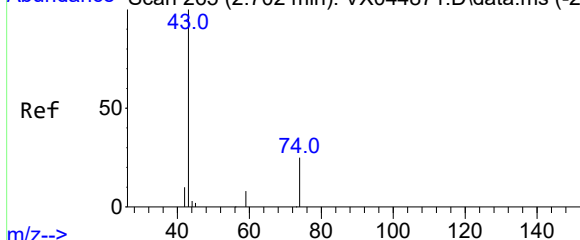
Abundance



Abundance Scan 232 (2.501 min): VX044893.D\data.ms (-18



Abundance Scan 265 (2.702 min): VX044871.D\data.ms (-25



#18

Methyl Acetate

Concen: 47.65 ug/l

RT: 2.697 min Scan# 264

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

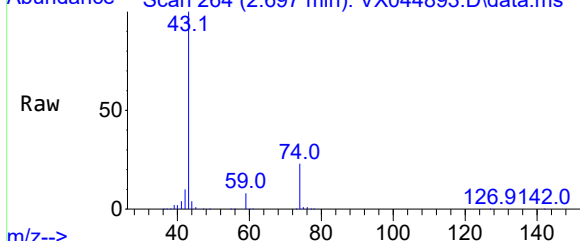
Tgt Ion: 43 Resp: 111028

Ion Ratio Lower Upper

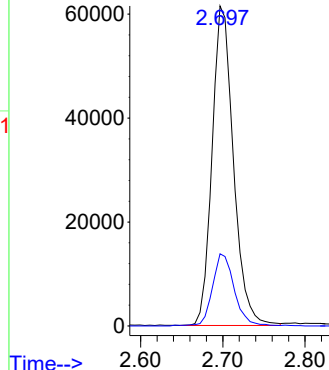
43 100

74 23.2 19.8 29.8

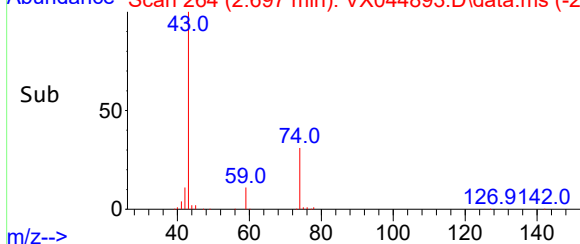
Abundance Scan 264 (2.697 min): VX044893.D\data.ms

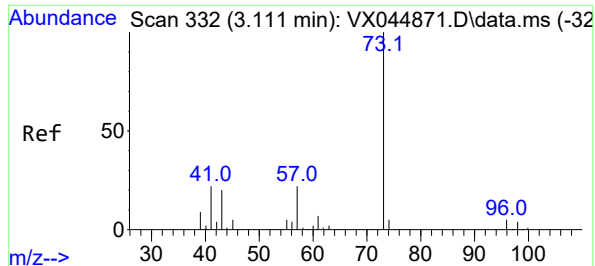


Abundance



Abundance Scan 264 (2.697 min): VX044893.D\data.ms (-21





#19

Methyl tert-butyl Ether

Concen: 48.82 ug/l

RT: 3.111 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 25120

Ion Ratio Lower Upper

73 100

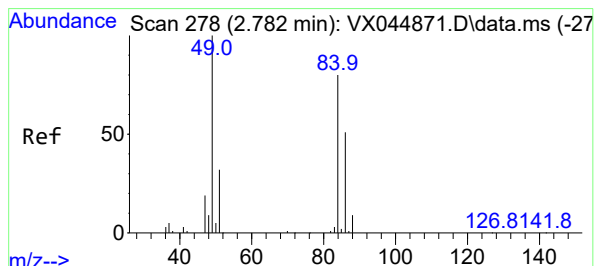
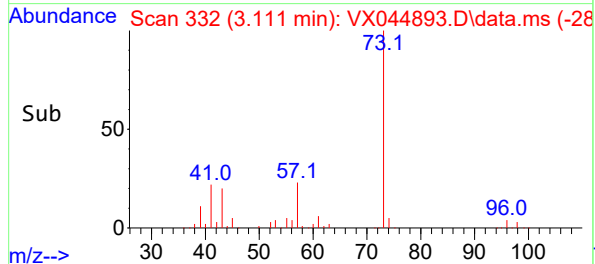
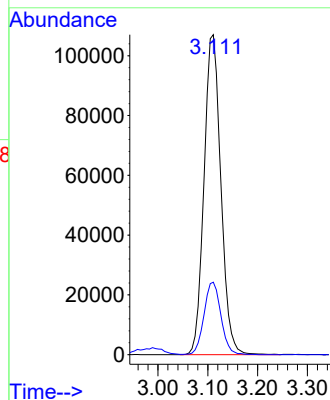
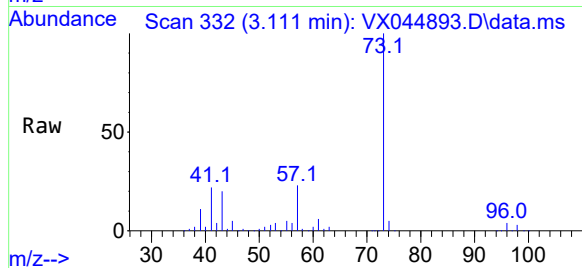
57 22.6 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#20

Methylene Chloride

Concen: 46.96 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Tgt Ion: 84 Resp: 84927

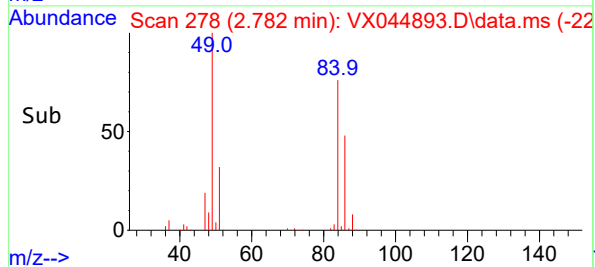
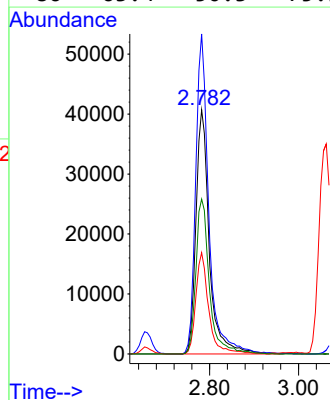
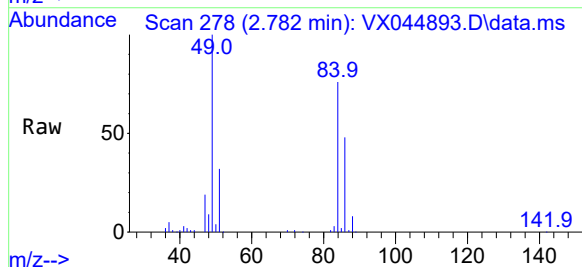
Ion Ratio Lower Upper

84 100

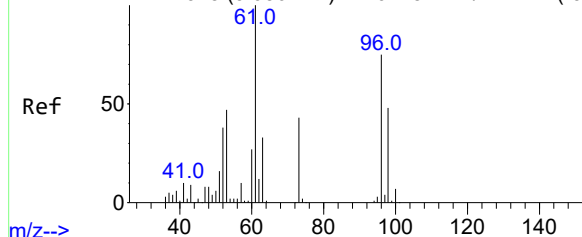
49 131.1 94.2 141.4

51 41.5 28.8 43.2

86 63.4 50.3 75.5



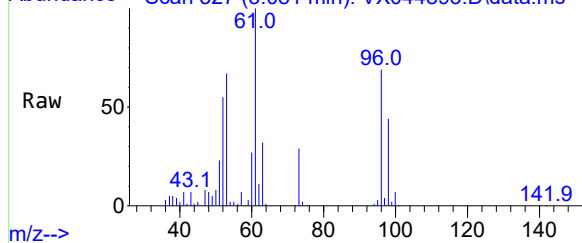
Abundance Scan 328 (3.086 min): VX044871.D\data.ms (-31



#21
trans-1,2-Dichloroethene
Concen: 47.05 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Abundance Scan 327 (3.081 min): VX044893.D\data.ms

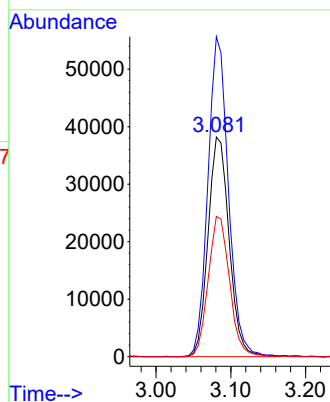
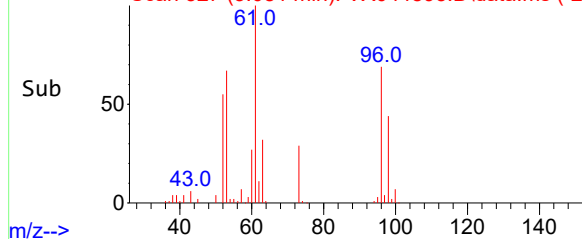


Tgt Ion: 96 Resp: 7488
Ion Ratio Lower Upper
96 100
61 145.6 111.0 166.6
98 63.8 50.2 75.2

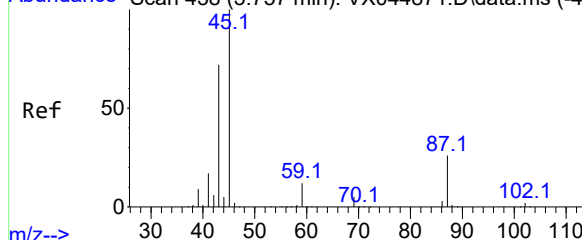
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Abundance Scan 327 (3.081 min): VX044893.D\data.ms (-27



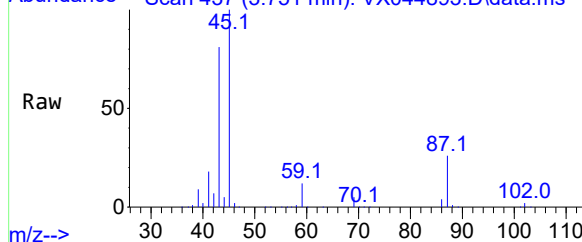
Abundance Scan 438 (3.757 min): VX044871.D\data.ms (-42



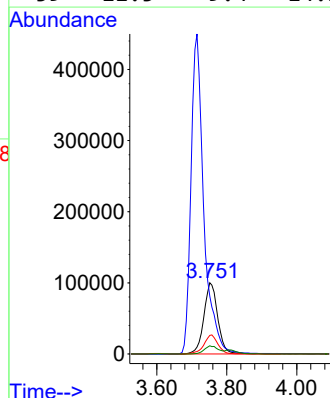
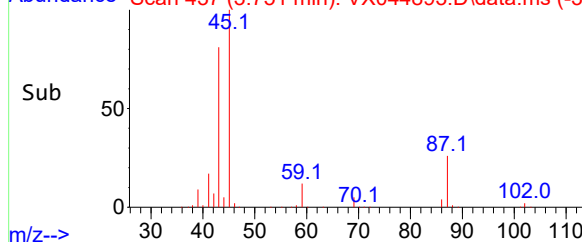
#22
Diisopropyl ether
Concen: 49.83 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 45 Resp: 275541
Ion Ratio Lower Upper
45 100
43 80.9 61.0 91.6
87 26.0 22.7 34.1
59 11.5 9.4 14.2

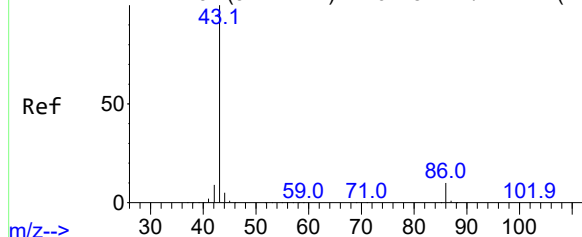
Abundance Scan 437 (3.751 min): VX044893.D\data.ms



Abundance Scan 437 (3.751 min): VX044893.D\data.ms (-38



Abundance Scan 431 (3.714 min): VX044871.D\data.ms (-42



#23

Vinyl Acetate

Concen: 254.64 ug/l

RT: 3.715 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1147936

Ion Ratio Lower Upper

43 100

86 10.3 8.9 13.3

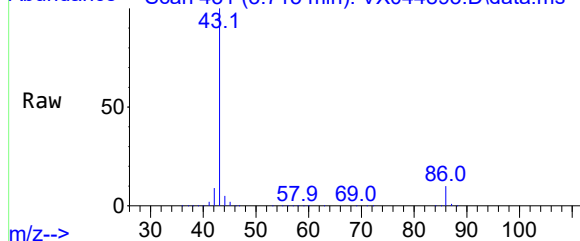
Manual Integrations

APPROVED

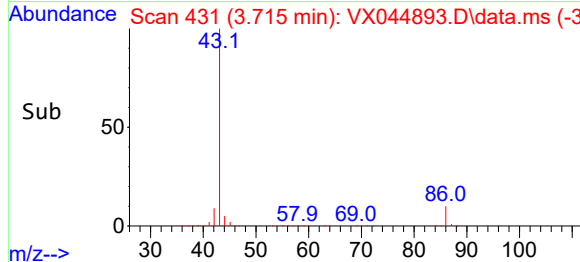
Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025

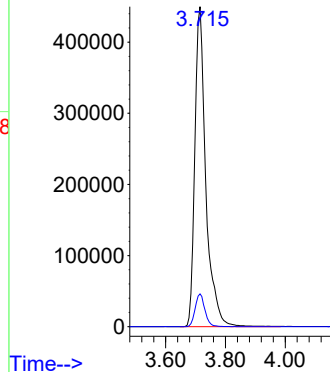
Abundance Scan 431 (3.715 min): VX044893.D\data.ms



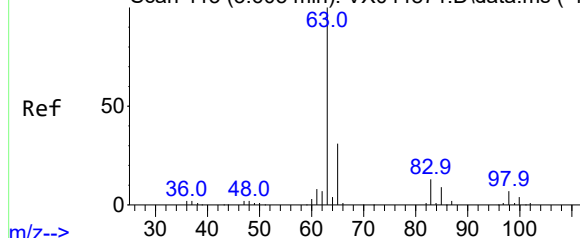
Abundance Scan 431 (3.715 min): VX044893.D\data.ms (-38



Abundance



Abundance Scan 413 (3.605 min): VX044871.D\data.ms (-40



#24

1,1-Dichloroethane

Concen: 47.81 ug/l

RT: 3.599 min Scan# 412

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Tgt Ion: 63 Resp: 147936

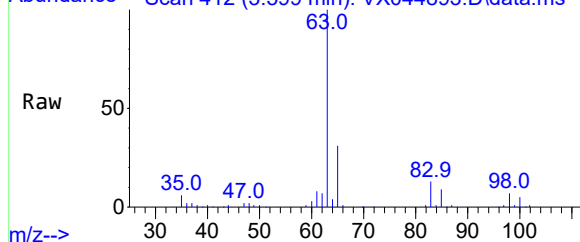
Ion Ratio Lower Upper

63 100

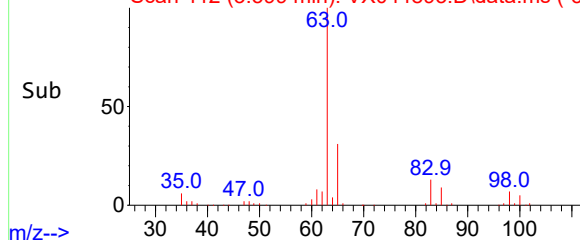
98 7.0 3.6 10.9

100 5.0 2.5 7.5

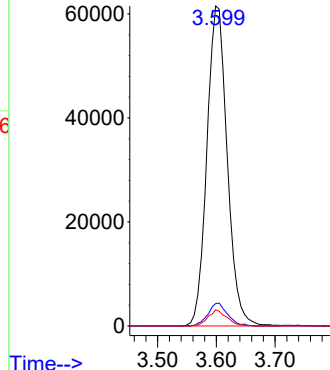
Abundance Scan 412 (3.599 min): VX044893.D\data.ms

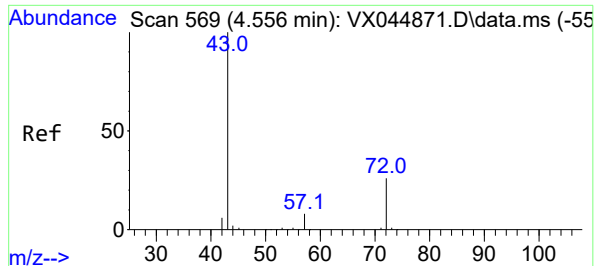


Abundance Scan 412 (3.599 min): VX044893.D\data.ms (-36



Abundance





#25

2-Butanone

Concen: 244.13 ug/l

RT: 4.550 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 292704

Ion Ratio Lower Upper

43 100

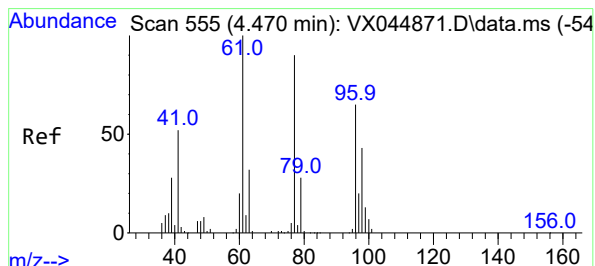
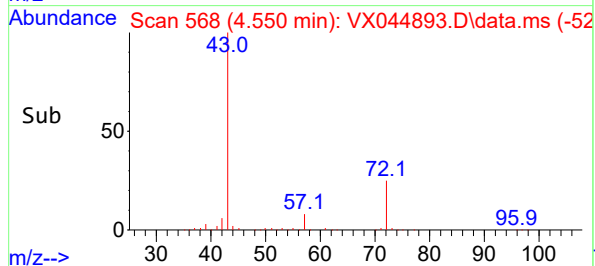
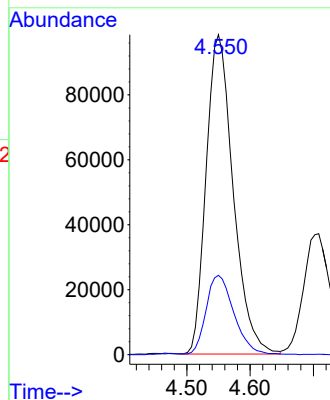
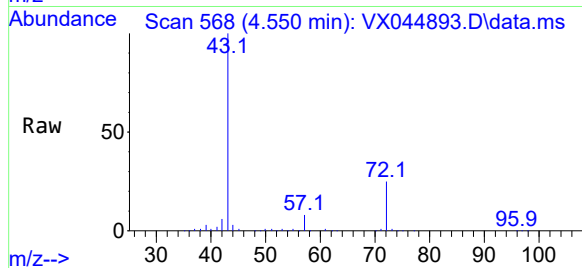
72 24.6 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#26

2,2-Dichloropropane

Concen: 48.48 ug/l

RT: 4.465 min Scan# 554

Delta R.T. 0.000 min

Lab File: VX044893.D

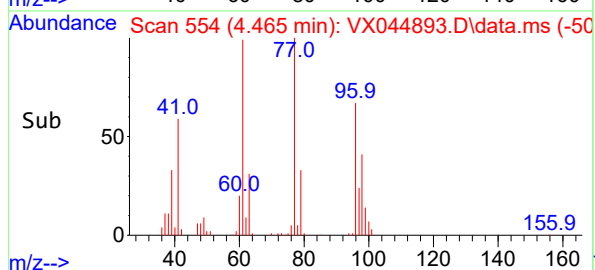
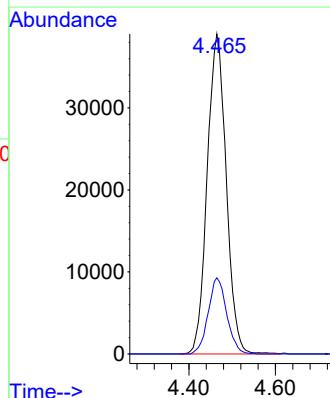
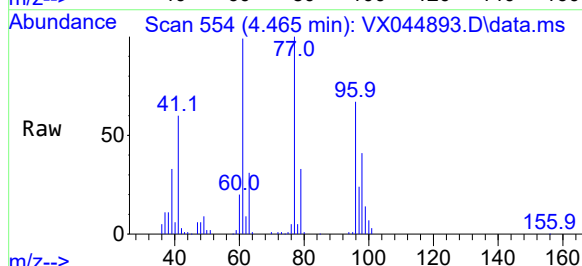
Acq: 11 Feb 2025 10:09

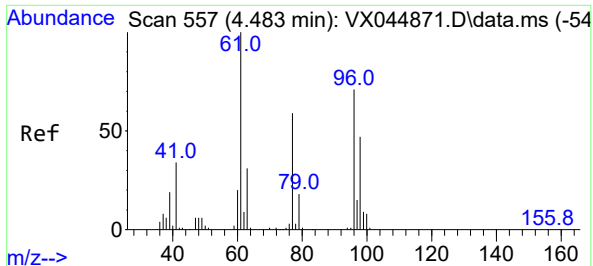
Tgt Ion: 77 Resp: 118943

Ion Ratio Lower Upper

77 100

97 23.2 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 48.05 ug/l

RT: 4.477 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 91870

Ion Ratio Lower Upper

96 100

61 147.0 0.0 296.0

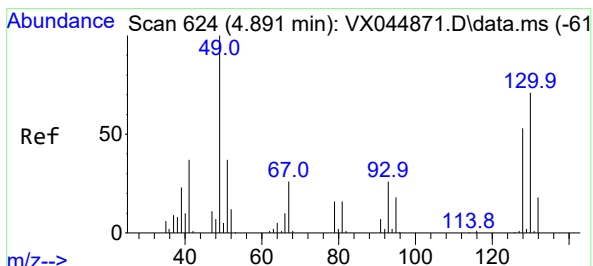
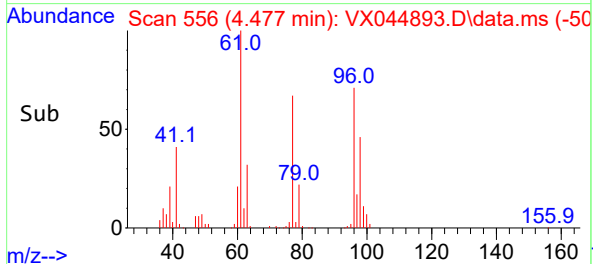
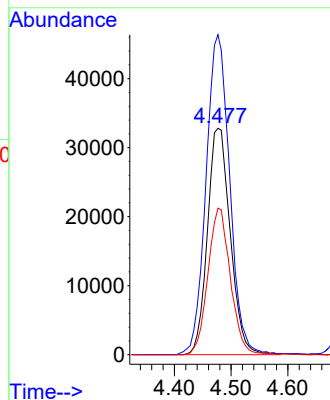
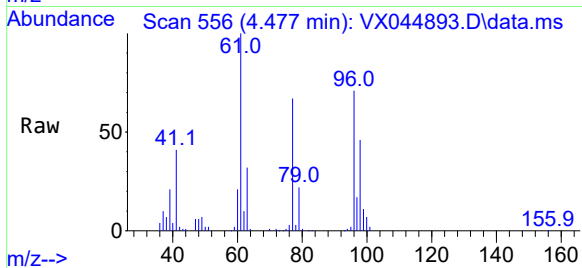
98 63.6 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#28

Bromochloromethane

Concen: 42.41 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

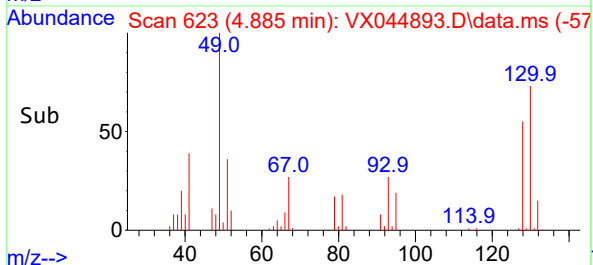
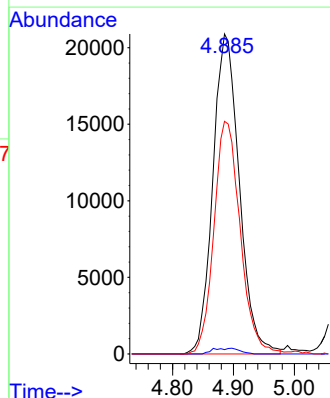
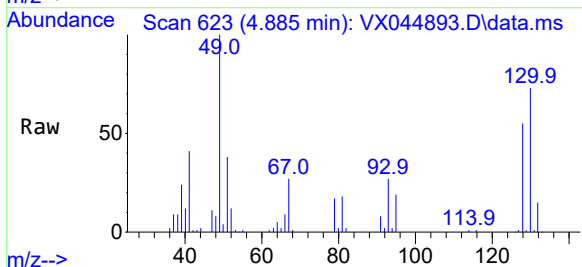
Tgt Ion: 49 Resp: 63054

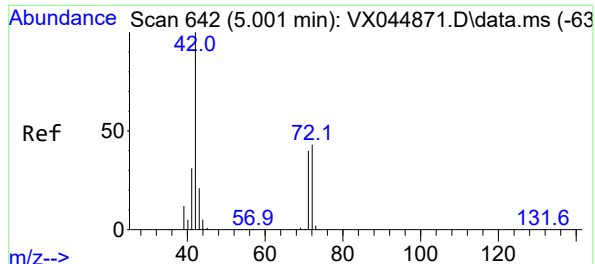
Ion Ratio Lower Upper

49 100

129 0.9 0.0 4.4

130 72.3 63.4 95.2





#29

Tetrahydrofuran

Concen: 242.18 ug/l

RT: 4.995 min Scan# 641

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 19281

Ion Ratio Lower Upper

42 100

72 43.3 38.2 57.4

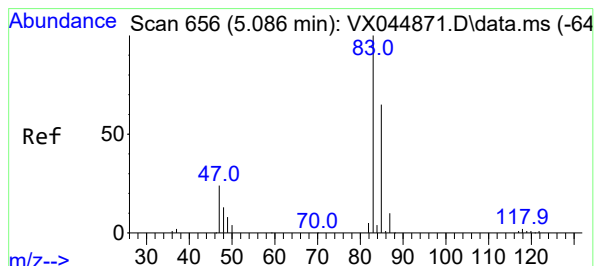
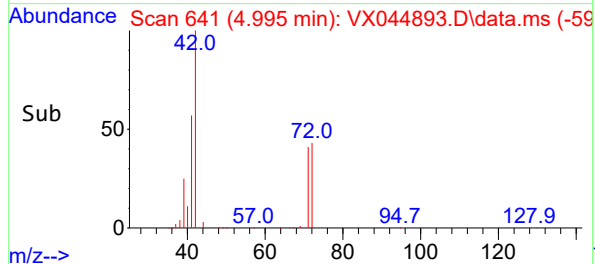
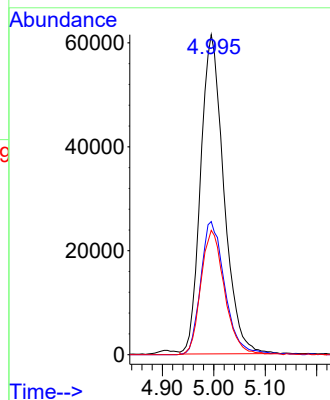
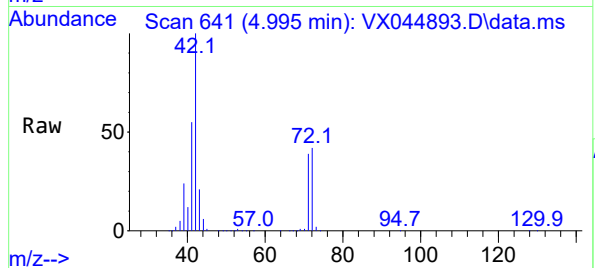
71 39.6 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#30

Chloroform

Concen: 47.92 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044893.D

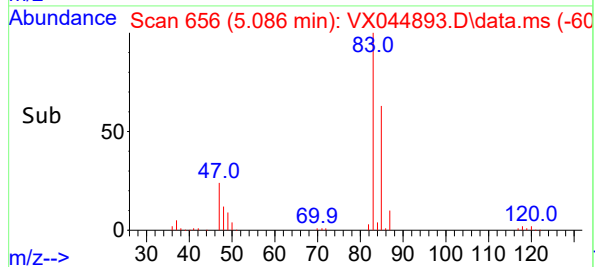
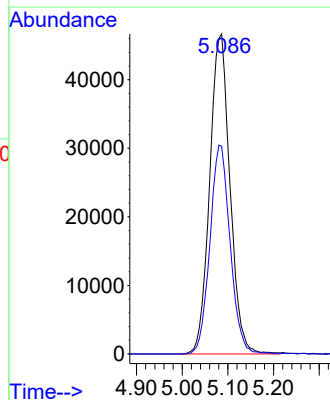
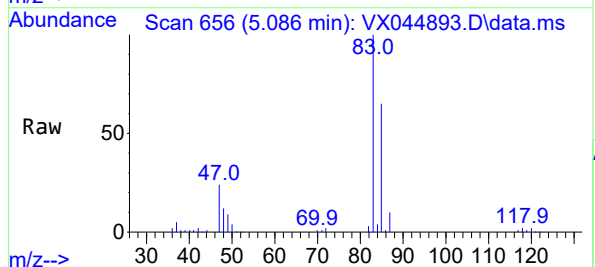
Acq: 11 Feb 2025 10:09

Tgt Ion: 83 Resp: 143782

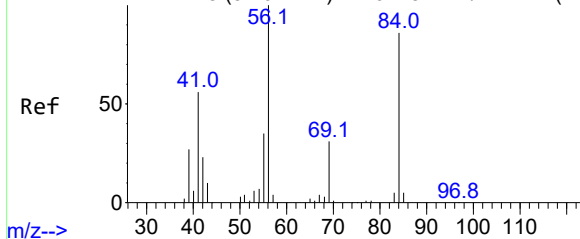
Ion Ratio Lower Upper

83 100

85 64.9 51.2 76.8



Abundance Scan 718 (5.464 min): VX044871.D\data.ms (-70



#31

Cyclohexane

Concen: 47.41 ug/l

RT: 5.458 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 13523

Ion Ratio Lower Upper

56 100

69 30.3 26.8 40.2

84 86.7 71.0 106.4

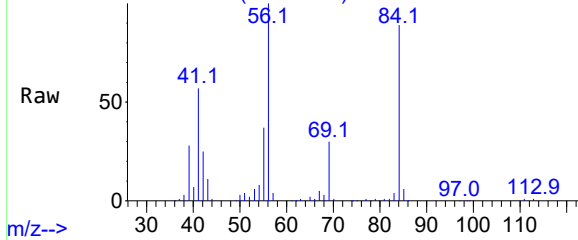
Manual Integrations

APPROVED

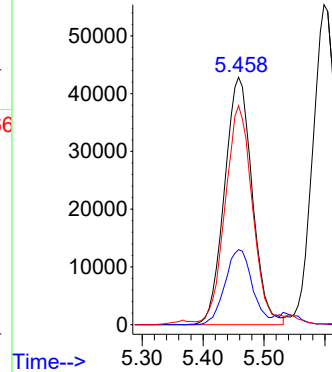
Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025

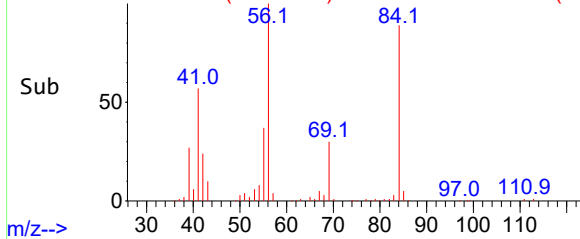
Abundance Scan 717 (5.458 min): VX044893.D\data.ms



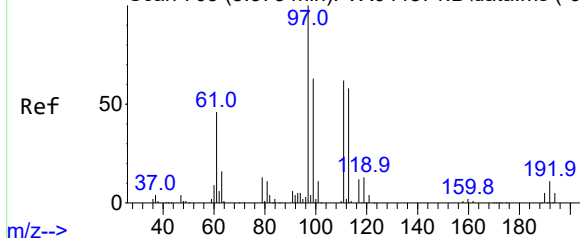
Abundance



Abundance Scan 717 (5.458 min): VX044893.D\data.ms (-66



Abundance Scan 703 (5.373 min): VX044871.D\data.ms (-69



#32

1,1,1-Trichloroethane

Concen: 47.60 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Tgt Ion: 97 Resp: 121149

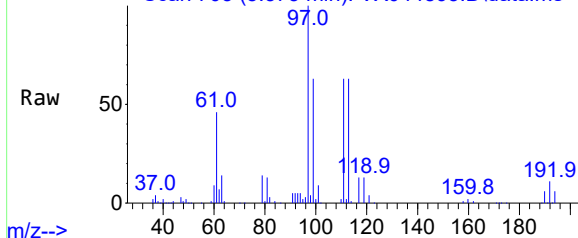
Ion Ratio Lower Upper

97 100

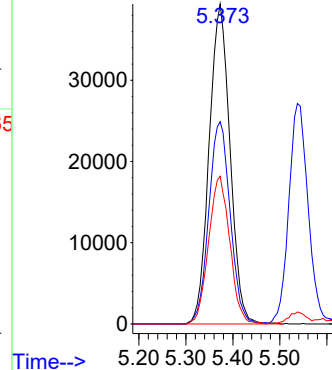
99 64.9 51.6 77.4

61 46.9 35.6 53.4

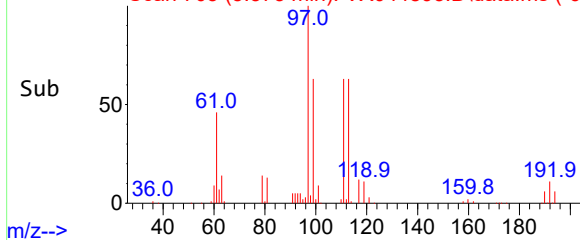
Abundance Scan 703 (5.373 min): VX044893.D\data.ms



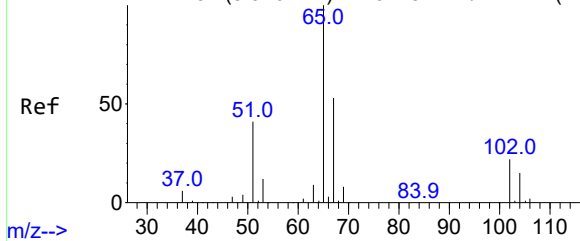
Abundance



Abundance Scan 703 (5.373 min): VX044893.D\data.ms (-65



Abundance Scan 797 (5.946 min): VX044871.D\data.ms (-78



#33

1,2-Dichloroethane-d4

Concen: 48.64 ug/l

RT: 5.946 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 89338

Ion Ratio Lower Upper

65 100

67 54.2 0.0 103.4

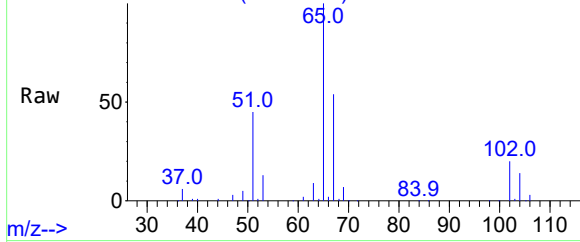
Manual Integrations

APPROVED

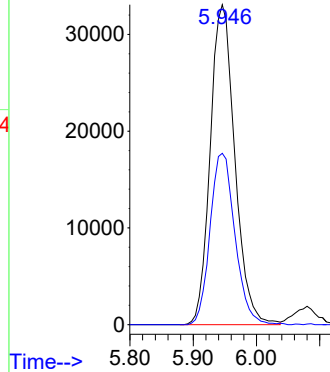
Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025

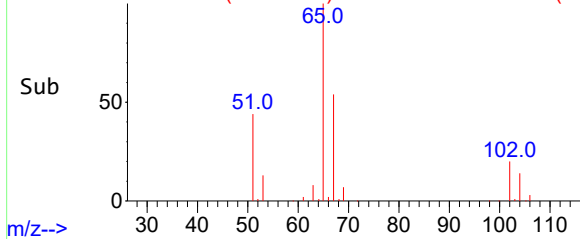
Abundance Scan 797 (5.946 min): VX044893.D\data.ms



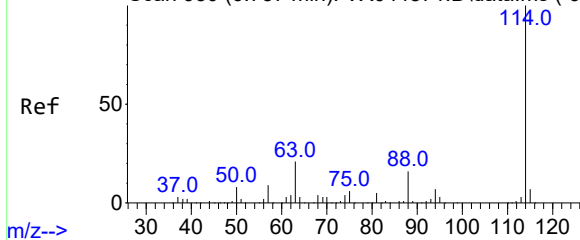
Abundance



Abundance Scan 797 (5.946 min): VX044893.D\data.ms (-74



Abundance Scan 930 (6.757 min): VX044871.D\data.ms (-92



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Tgt Ion:114 Resp: 221806

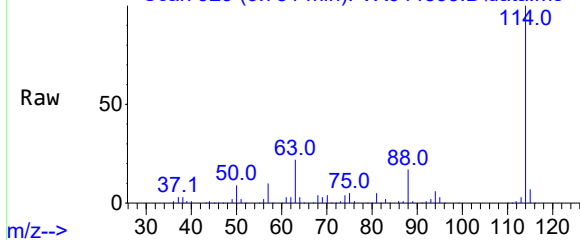
Ion Ratio Lower Upper

114 100

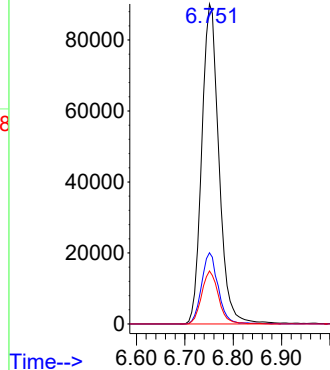
63 22.3 0.0 43.0

88 16.6 0.0 35.4

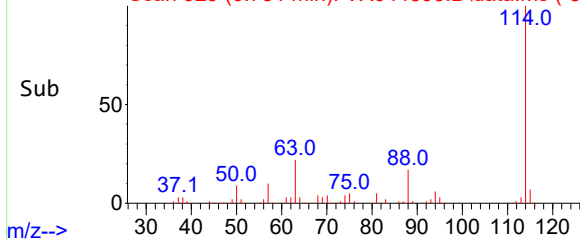
Abundance Scan 929 (6.751 min): VX044893.D\data.ms



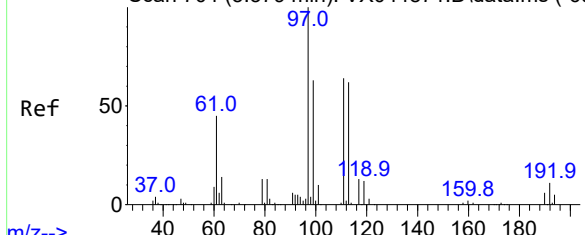
Abundance



Abundance Scan 929 (6.751 min): VX044893.D\data.ms (-88



Abundance Scan 704 (5.379 min): VX044871.D\data.ms (-69



#35

Dibromofluoromethane

Concen: 49.71 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 71680

Ion Ratio Lower Upper

113 100

111 103.9 81.6 122.4

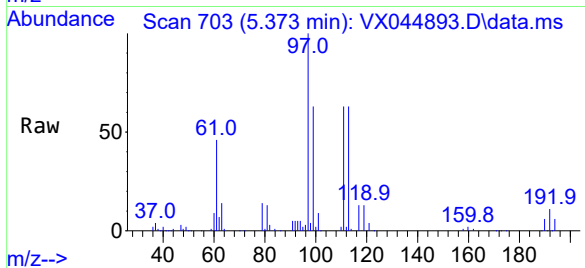
192 17.6 14.4 21.6

Manual Integrations

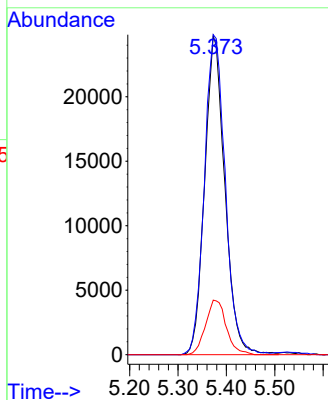
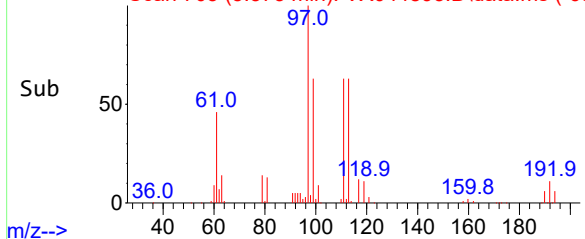
APPROVED

Reviewed By :John Carlone 02/12/2025

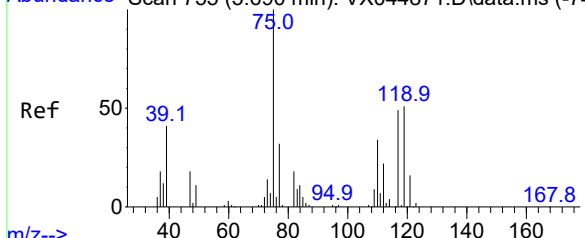
Supervised By :Mahesh Dadoda 02/12/2025



Abundance Scan 703 (5.373 min): VX044893.D\data.ms (-65



Abundance Scan 755 (5.690 min): VX044871.D\data.ms (-74



#36

1,1-Dichloropropene

Concen: 47.95 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

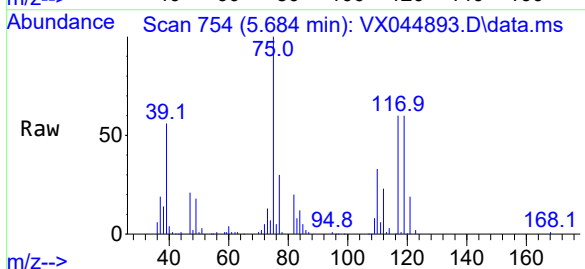
Tgt Ion: 75 Resp: 99764

Ion Ratio Lower Upper

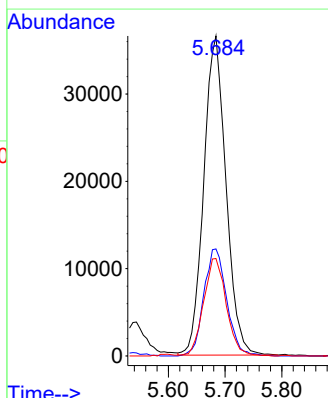
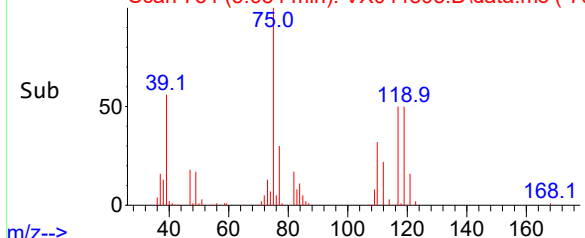
75 100

110 34.6 17.9 53.8

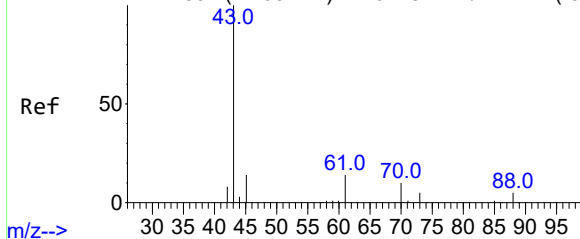
77 31.2 24.5 36.7



Abundance Scan 754 (5.684 min): VX044893.D\data.ms (-70



Abundance Scan 594 (4.708 min): VX044871.D\data.ms (-58



#37

Ethyl Acetate

Concen: 48.73 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

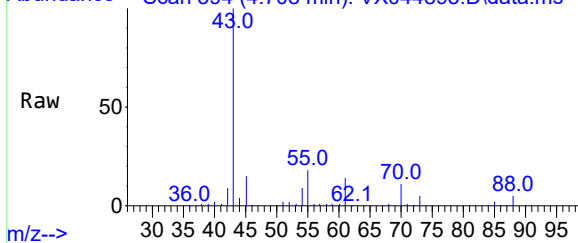
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Abundance Scan 594 (4.708 min): VX044893.D\data.ms



Tgt Ion: 43 Resp: 11334

Ion Ratio Lower Upper

43 100

61 14.1 10.9 16.3

70 9.9 10.1 15.1

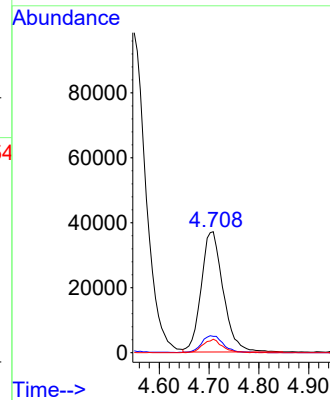
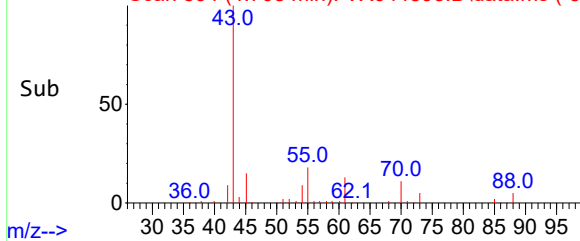
Manual Integrations

APPROVED

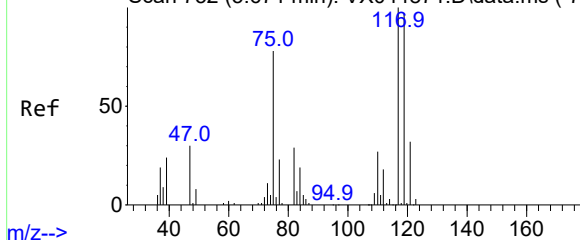
Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025

Abundance Scan 594 (4.708 min): VX044893.D\data.ms (-54



Abundance Scan 752 (5.671 min): VX044871.D\data.ms (-74



#38

Carbon Tetrachloride

Concen: 48.89 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Tgt Ion:117 Resp: 99680

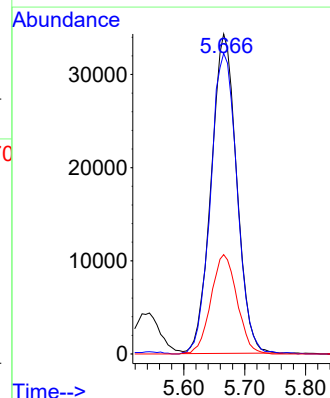
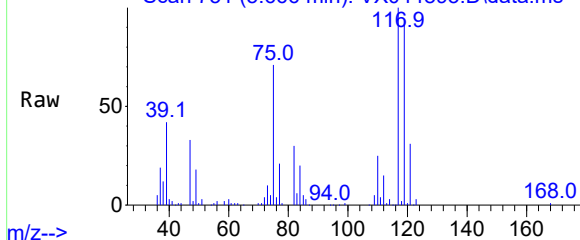
Ion Ratio Lower Upper

117 100

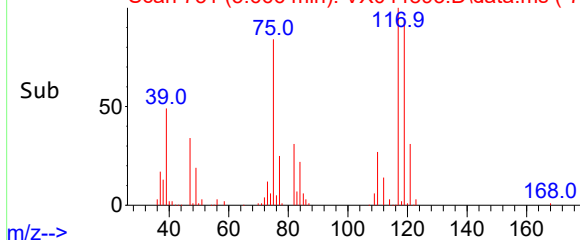
119 93.9 76.0 114.0

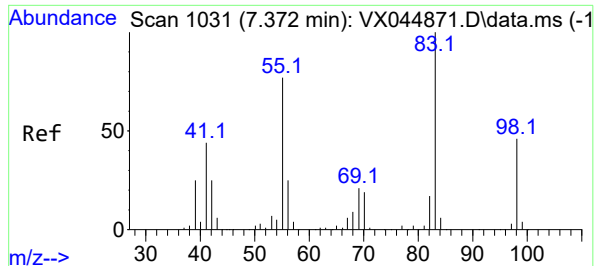
121 31.1 24.6 36.8

Abundance Scan 751 (5.666 min): VX044893.D\data.ms



Abundance Scan 751 (5.666 min): VX044893.D\data.ms (-70





#39

Methylcyclohexane

Concen: 52.50 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 14121

Ion Ratio Lower Upper

83 100

55 78.0 60.5 90.7

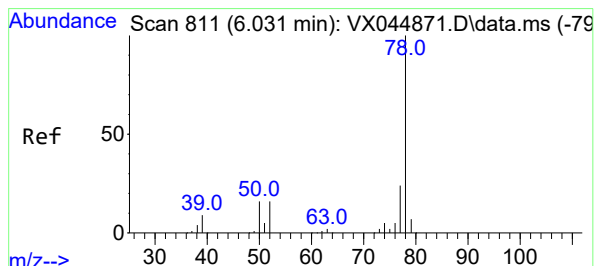
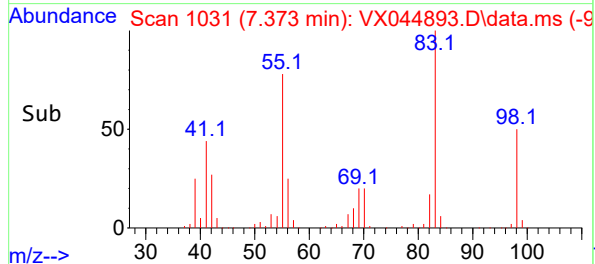
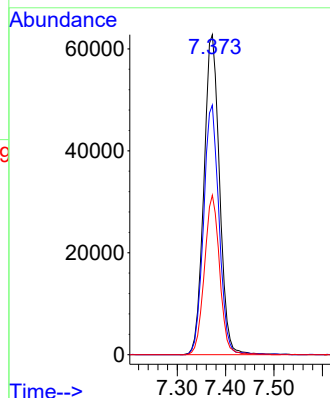
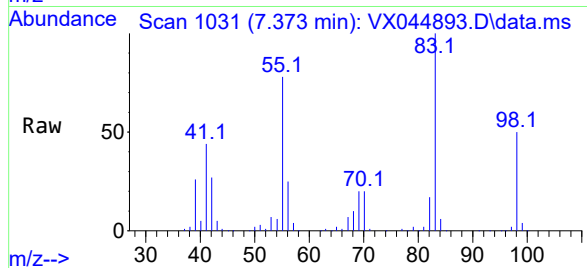
98 49.8 39.0 58.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#40

Benzene

Concen: 49.47 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX044893.D

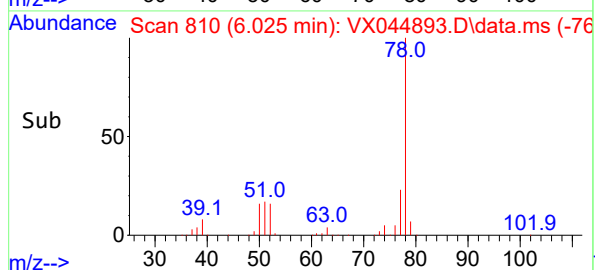
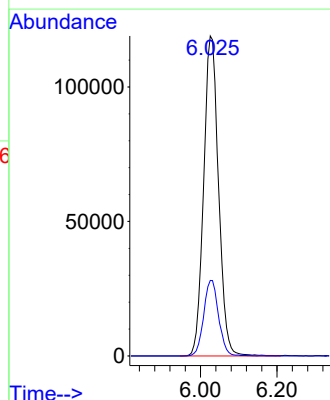
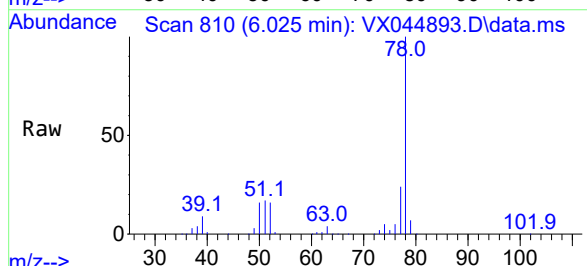
Acq: 11 Feb 2025 10:09

Tgt Ion: 78 Resp: 321371

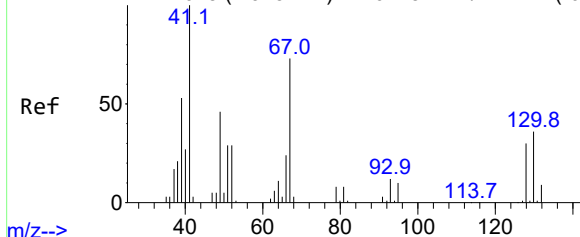
Ion Ratio Lower Upper

78 100

77 23.6 18.7 28.1



Abundance Scan 628 (4.915 min): VX044871.D\data.ms (-61



#41

Methacrylonitrile

Concen: 51.92 ug/l

RT: 4.916 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 6431

Ion Ratio Lower Upper

41 100

39 54.4 44.4 66.6

67 70.9 60.6 90.8

52 29.9 24.3 36.5

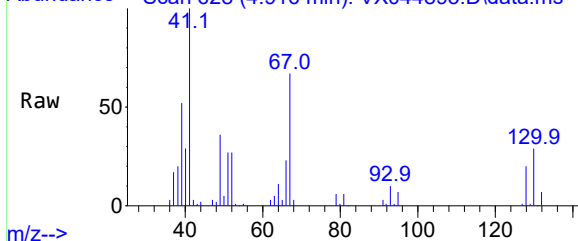
Manual Integrations

APPROVED

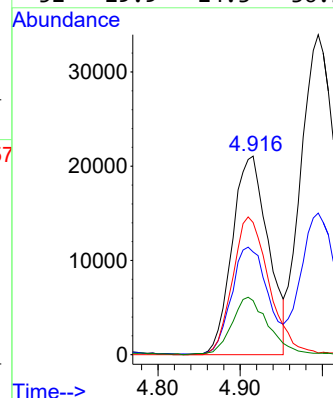
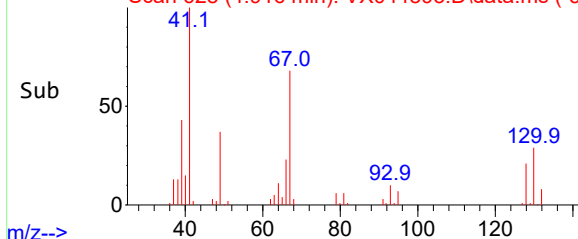
Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025

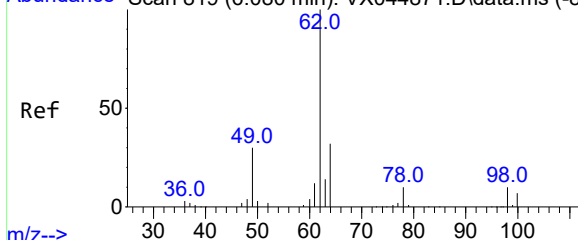
Abundance Scan 628 (4.916 min): VX044893.D\data.ms



Abundance Scan 628 (4.916 min): VX044893.D\data.ms (-57



Abundance Scan 819 (6.080 min): VX044871.D\data.ms (-80



#42

1,2-Dichloroethane

Concen: 51.58 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

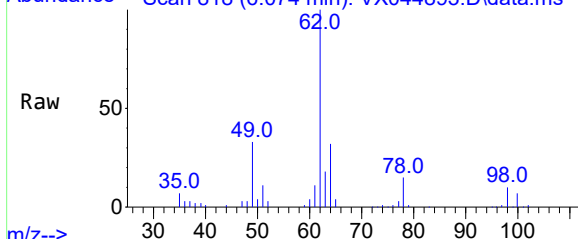
Tgt Ion: 62 Resp: 106806

Ion Ratio Lower Upper

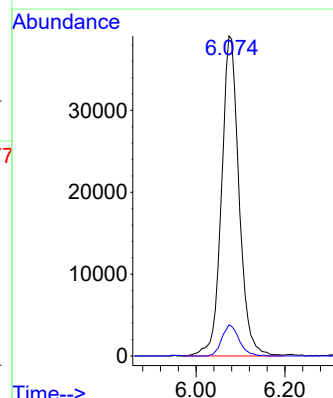
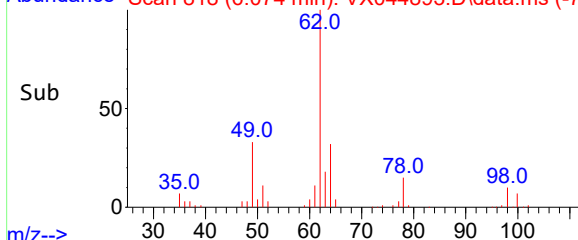
62 100

98 9.5 0.0 19.4

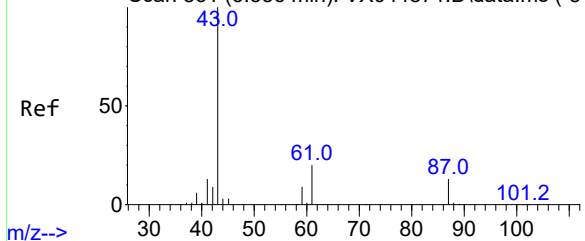
Abundance Scan 818 (6.074 min): VX044893.D\data.ms



Abundance Scan 818 (6.074 min): VX044893.D\data.ms (-77



Abundance Scan 861 (6.336 min): VX044871.D\data.ms (-84



#43

Isopropyl Acetate

Concen: 51.50 ug/l

RT: 6.330 min Scan# 80

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

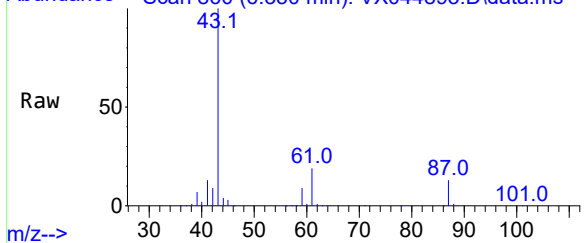
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Abundance Scan 860 (6.330 min): VX044893.D\data.ms



Tgt Ion: 43 Resp: 192468

Ion Ratio Lower Upper

43 100

61 19.2 16.6 24.8

87 12.9 11.0 16.6

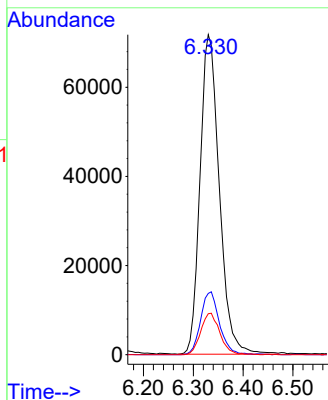
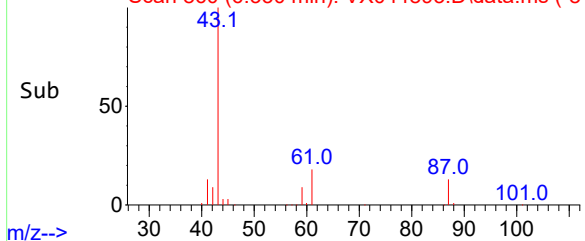
Manual Integrations

APPROVED

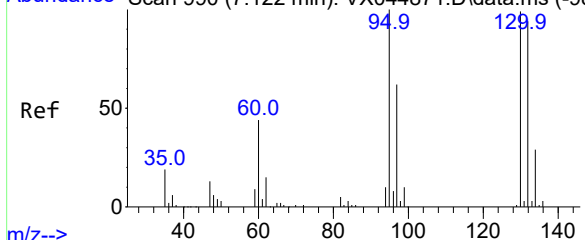
Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025

Abundance Scan 860 (6.330 min): VX044893.D\data.ms (-81



Abundance Scan 990 (7.122 min): VX044871.D\data.ms (-98



#44

Trichloroethene

Concen: 49.84 ug/l

RT: 7.116 min Scan# 989

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

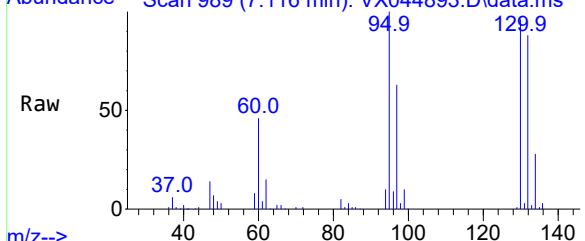
Tgt Ion:130 Resp: 74009

Ion Ratio Lower Upper

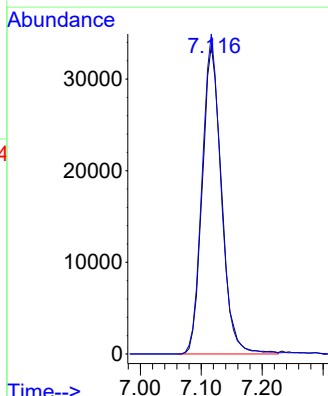
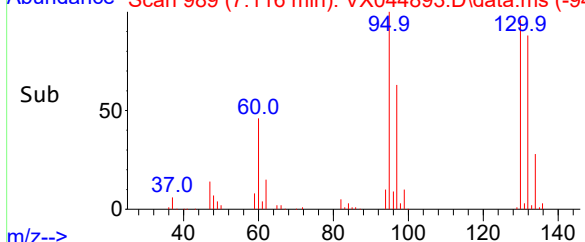
130 100

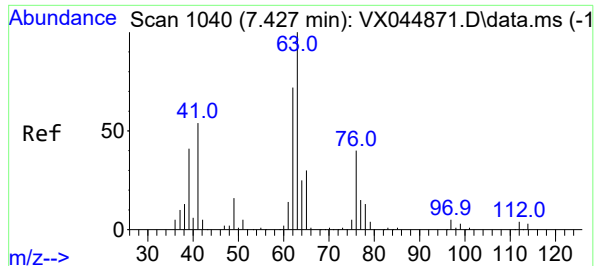
95 103.7 0.0 208.2

Abundance Scan 989 (7.116 min): VX044893.D\data.ms



Abundance Scan 989 (7.116 min): VX044893.D\data.ms (-94





#45

1,2-Dichloropropane

Concen: 50.86 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 82208

Ion Ratio Lower Upper

63 100

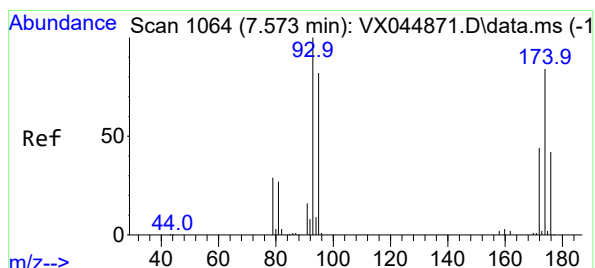
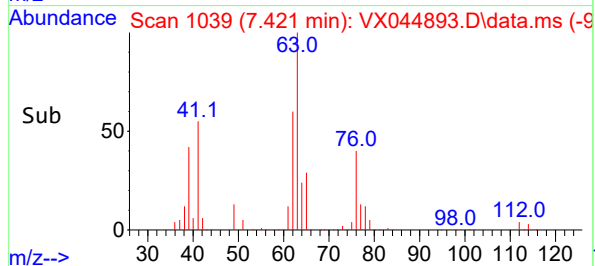
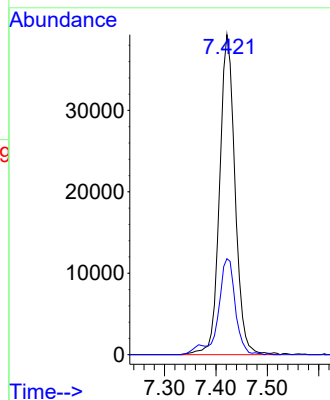
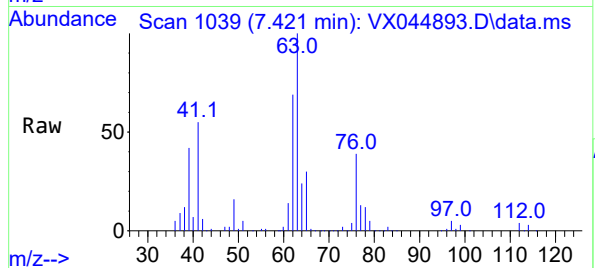
65 30.0 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#46

Dibromomethane

Concen: 50.58 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

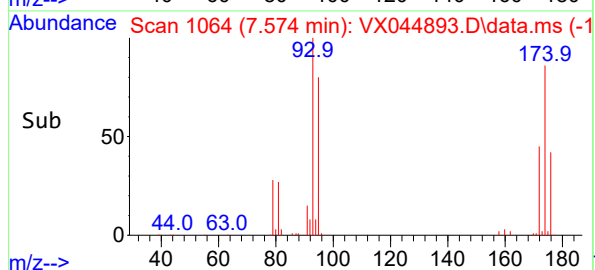
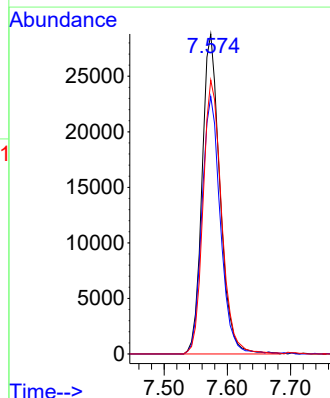
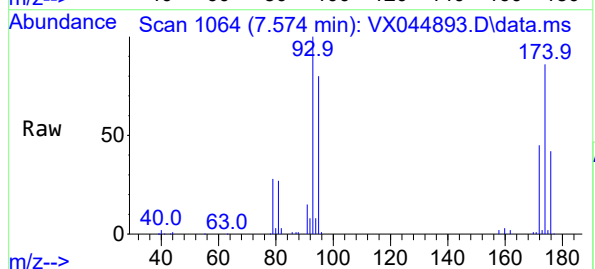
Tgt Ion: 93 Resp: 56698

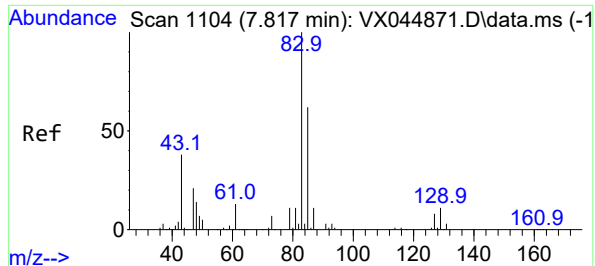
Ion Ratio Lower Upper

93 100

95 82.8 66.4 99.6

174 88.6 72.0 108.0





#47

Bromodichloromethane

Concen: 52.58 ug/l

RT: 7.811 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 114110

Ion Ratio Lower Upper

83 100

85 64.5 50.1 75.1

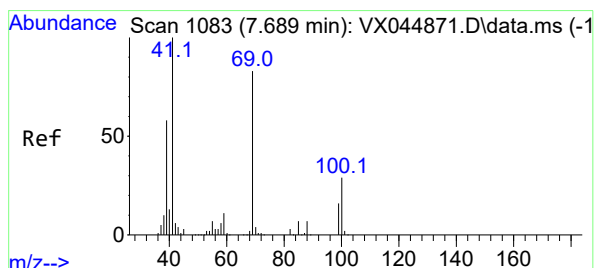
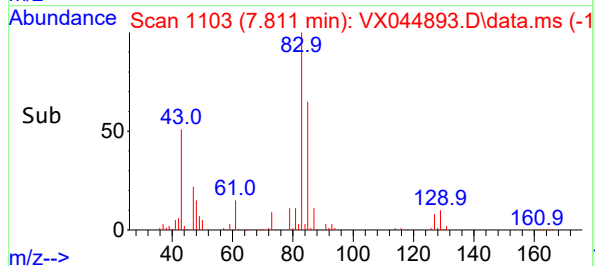
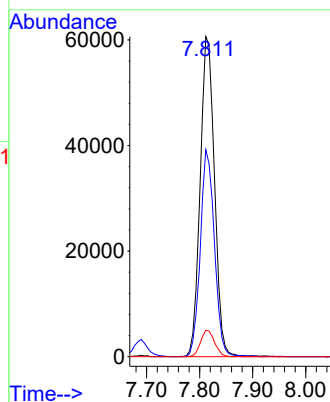
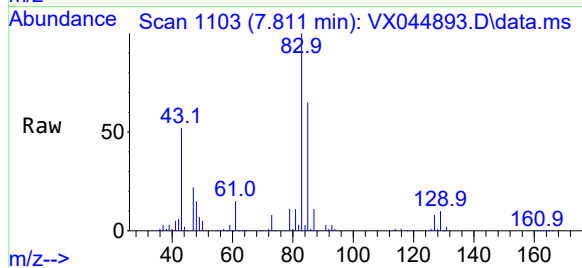
127 8.3 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#48

Methyl methacrylate

Concen: 52.04 ug/l

RT: 7.683 min Scan# 1082

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

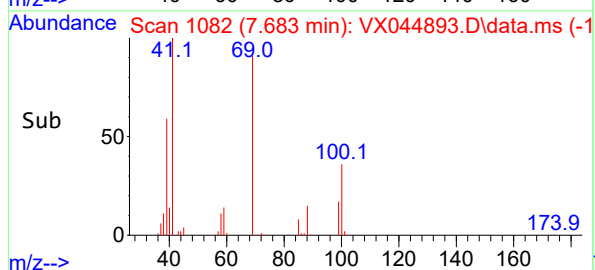
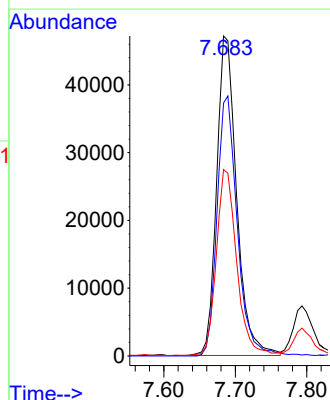
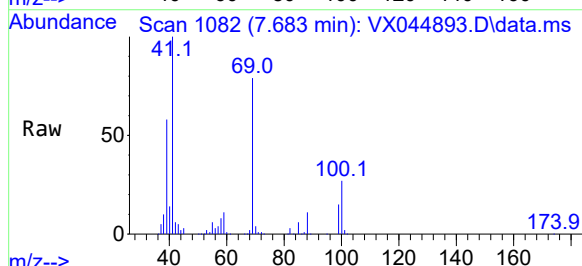
Tgt Ion: 41 Resp: 91692

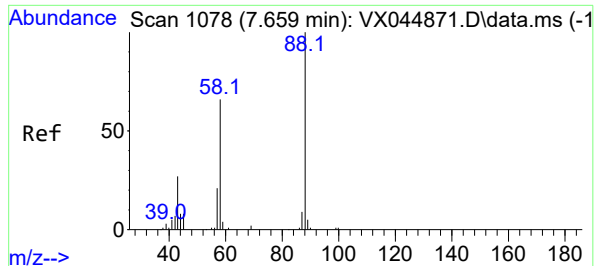
Ion Ratio Lower Upper

41 100

69 82.6 66.8 100.2

39 58.8 47.4 71.0





#49

1,4-Dioxane

Concen: 1023.30 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 38680

Ion Ratio Lower Upper

88 100

43 34.4 27.0 40.4

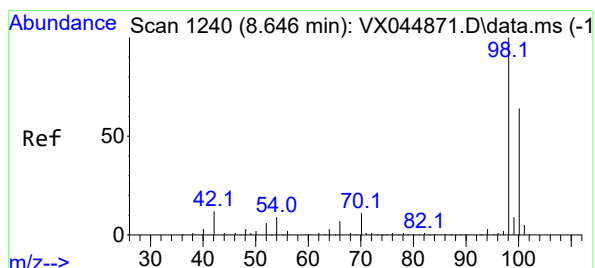
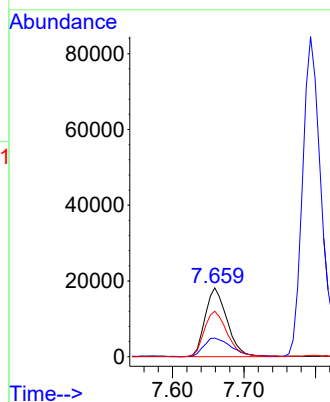
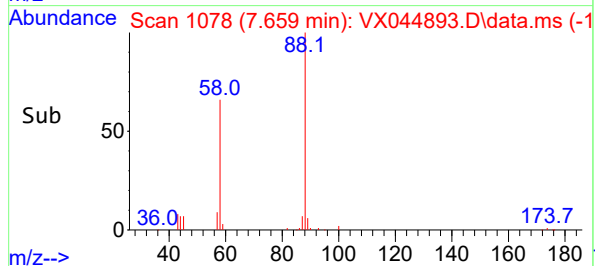
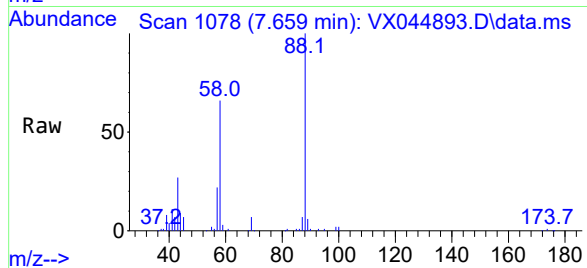
58 69.4 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#50

Toluene-d8

Concen: 50.05 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX044893.D

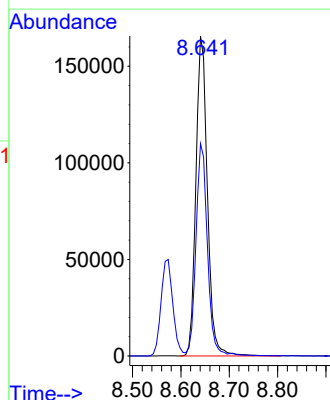
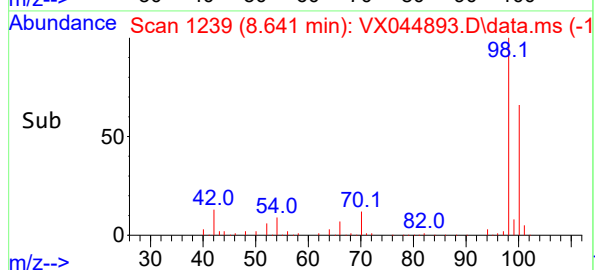
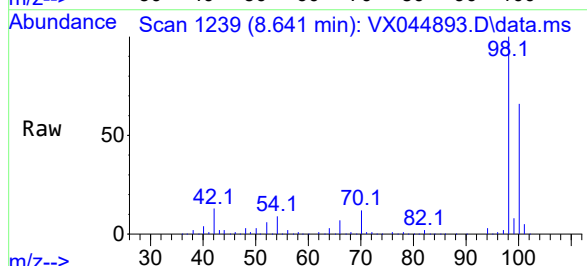
Acq: 11 Feb 2025 10:09

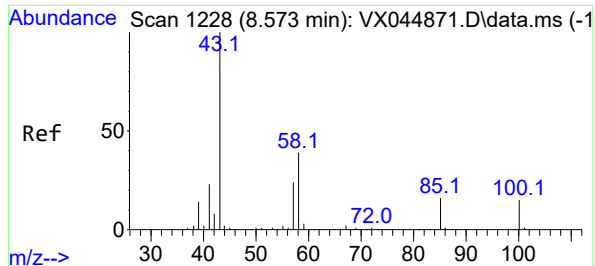
Tgt Ion: 98 Resp: 272926

Ion Ratio Lower Upper

98 100

100 66.2 53.2 79.8





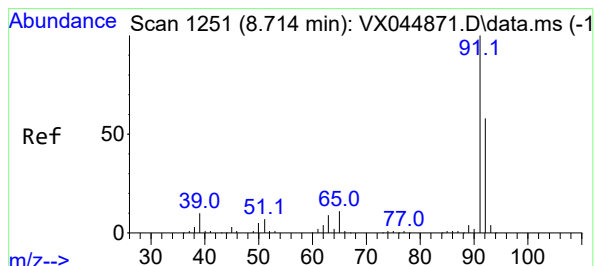
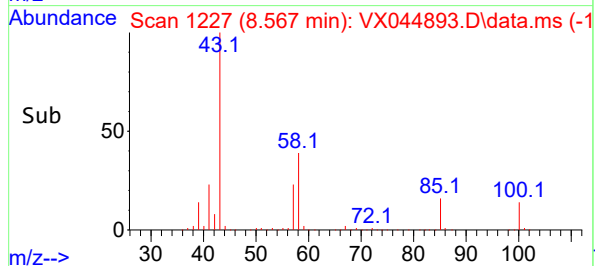
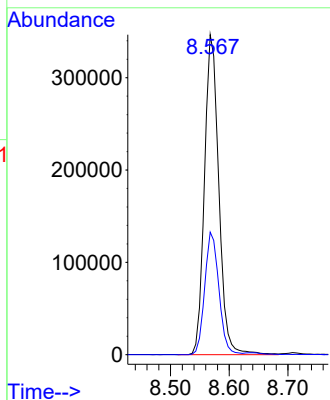
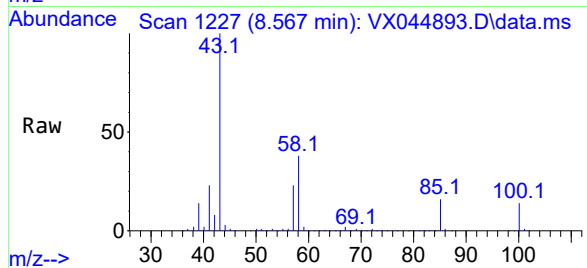
#51
4-Methyl-2-Pentanone
Concen: 258.92 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 588239
Ion Ratio Lower Upper
43 100
58 37.8 31.9 47.9

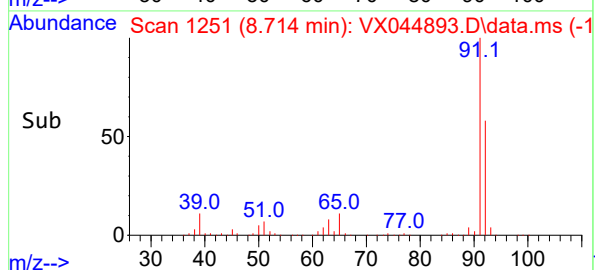
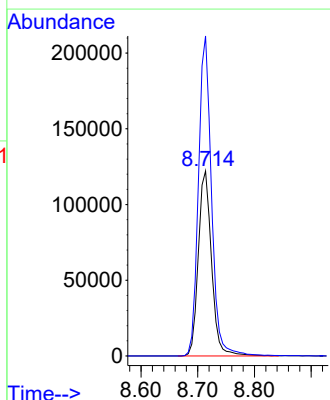
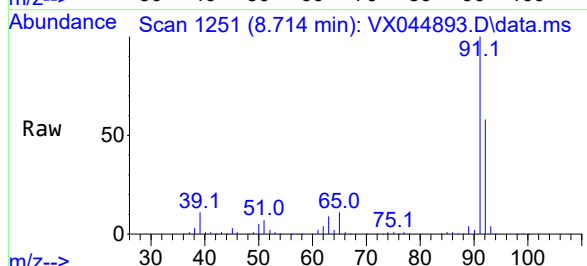
Manual Integrations
APPROVED

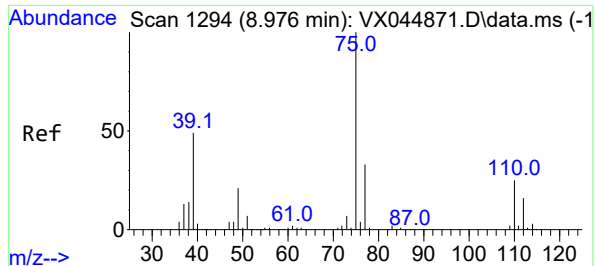
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#52
Toluene
Concen: 51.18 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 92 Resp: 198031
Ion Ratio Lower Upper
92 100
91 170.6 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 53.07 ug/l

RT: 8.970 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 116558

Ion Ratio Lower Upper

75 100

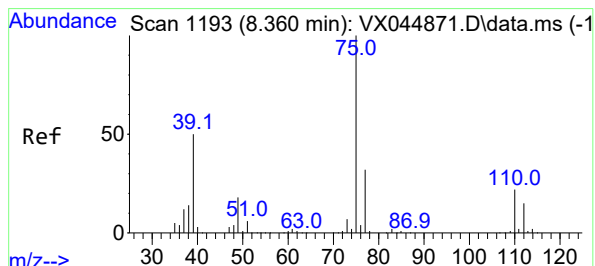
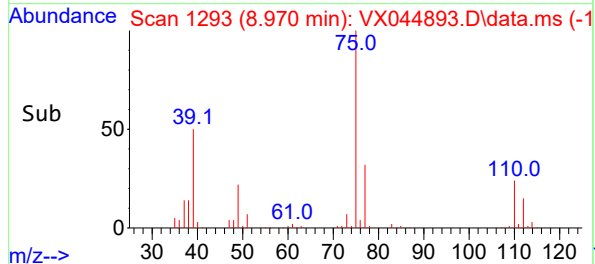
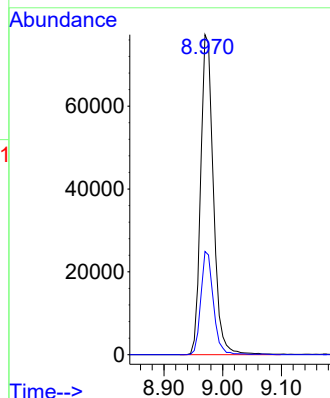
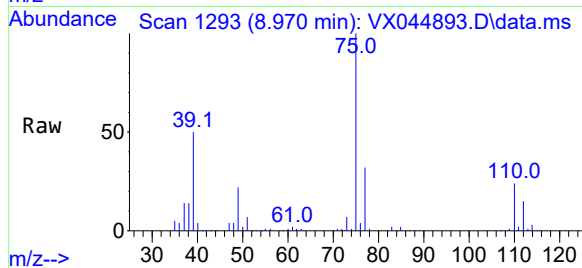
77 32.3 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#54

cis-1,3-Dichloropropene

Concen: 53.04 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

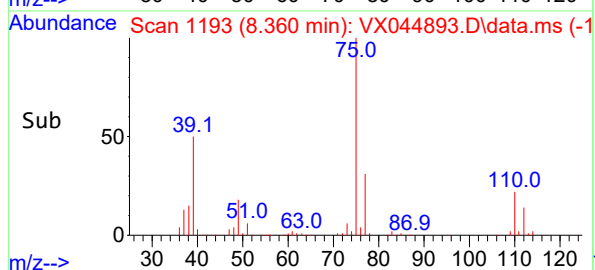
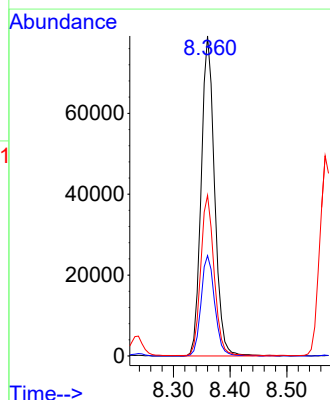
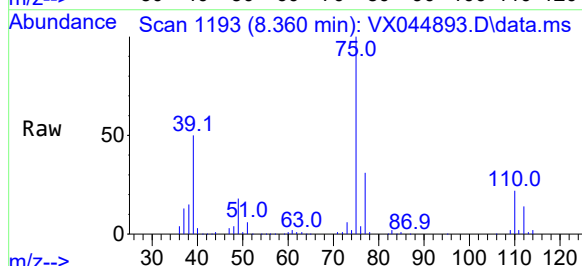
Tgt Ion: 75 Resp: 129895

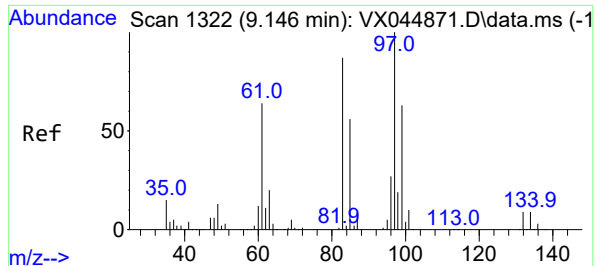
Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

39 50.1 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 51.28 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 7627

Ion Ratio Lower Upper

97 100

83 89.3 68.8 103.2

85 58.2 43.7 65.5

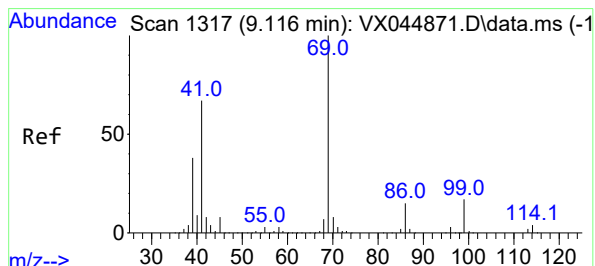
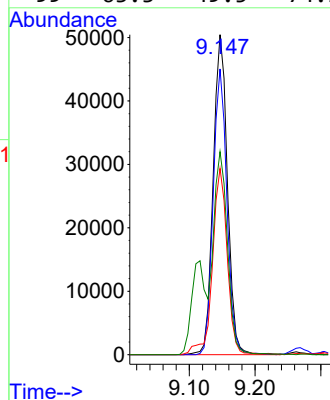
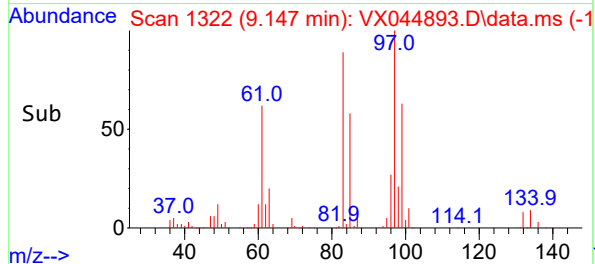
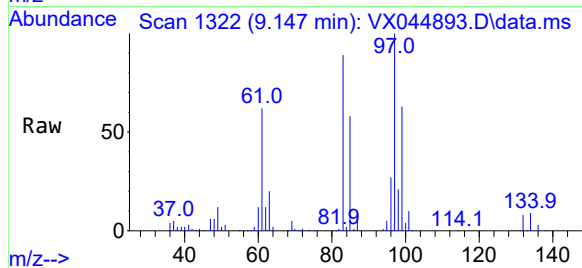
99 63.3 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#56

Ethyl methacrylate

Concen: 52.77 ug/l

RT: 9.110 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

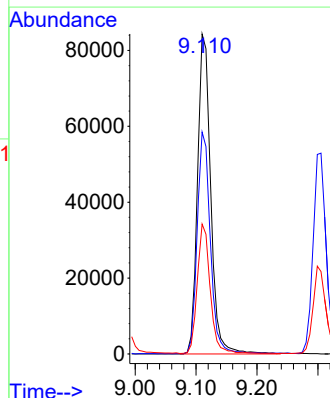
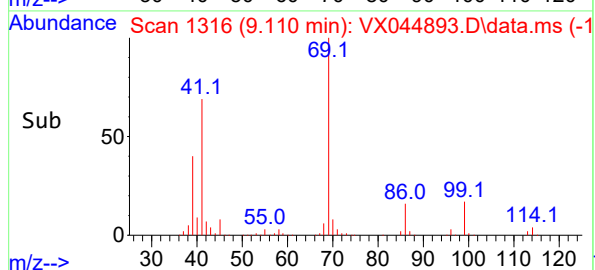
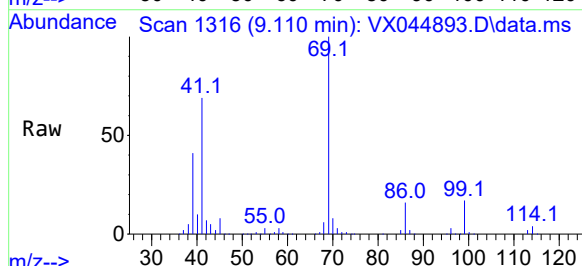
Tgt Ion: 69 Resp: 126768

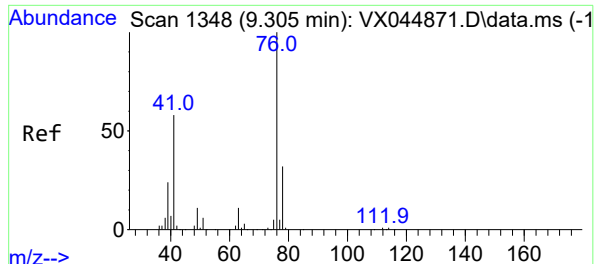
Ion Ratio Lower Upper

69 100

41 69.0 53.2 79.8

39 39.6 30.2 45.2





#57

1,3-Dichloropropane

Concen: 51.19 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 13322

Ion Ratio Lower Upper

76 100

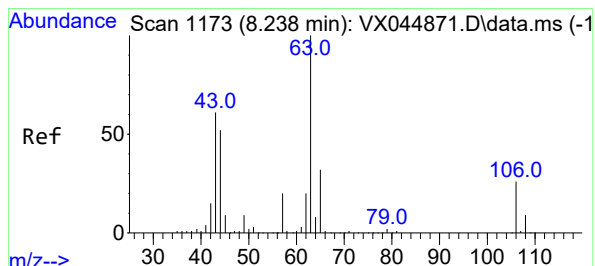
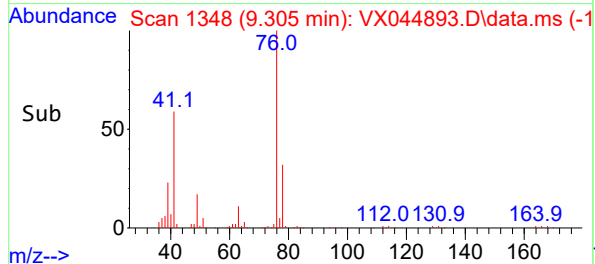
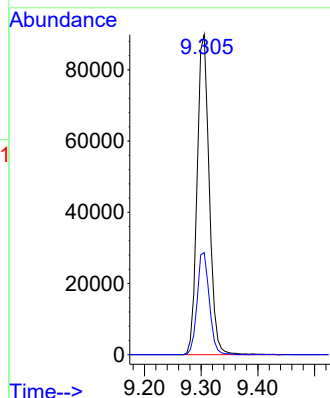
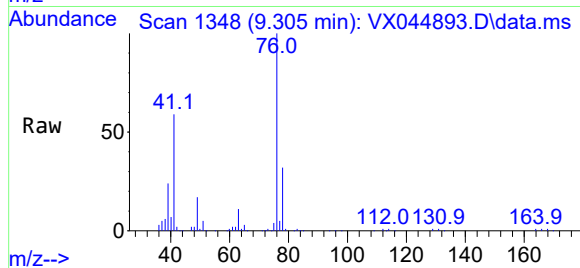
78 31.9 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#58

2-Chloroethyl Vinyl ether

Concen: 306.84 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044893.D

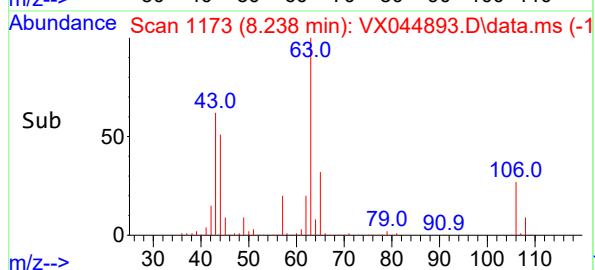
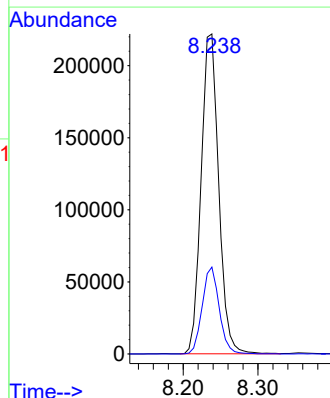
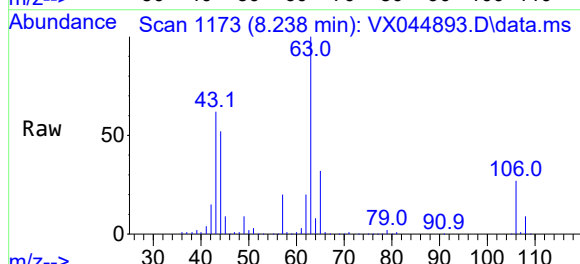
Acq: 11 Feb 2025 10:09

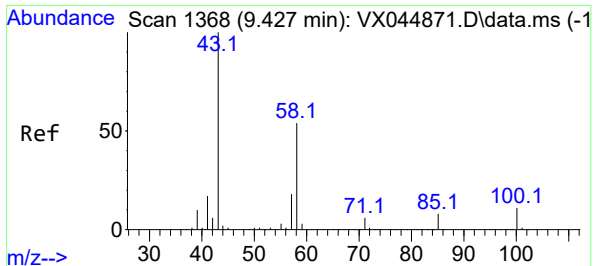
Tgt Ion: 63 Resp: 361927

Ion Ratio Lower Upper

63 100

106 26.3 23.0 34.6





#59

2-Hexanone

Concen: 259.83 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 425320

Ion Ratio Lower Upper

43 100

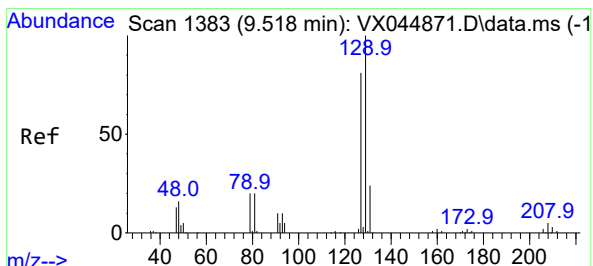
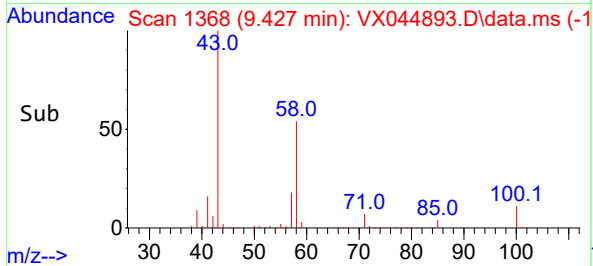
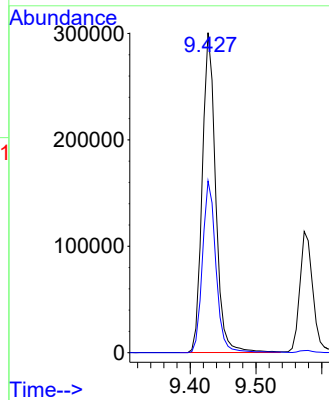
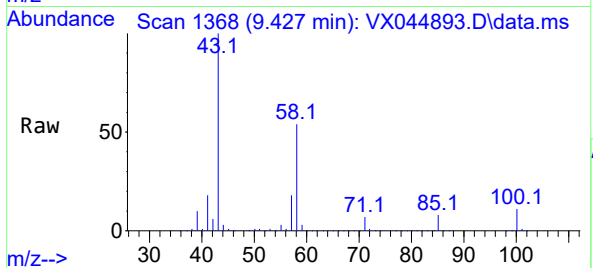
58 54.1 27.8 83.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#60

Dibromochloromethane

Concen: 52.57 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044893.D

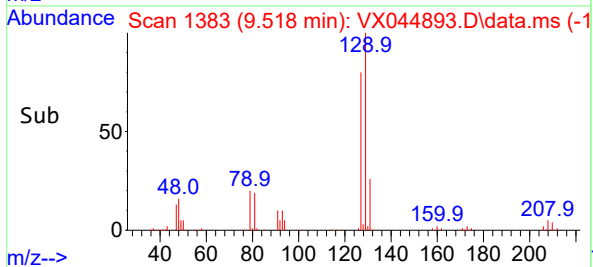
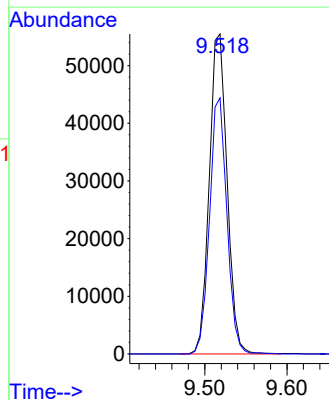
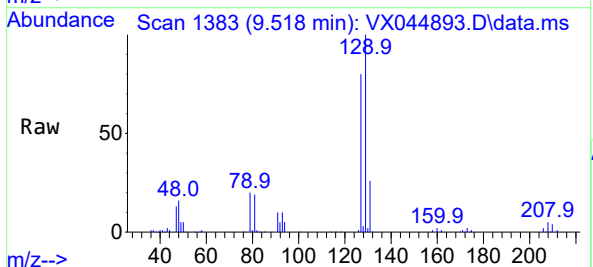
Acq: 11 Feb 2025 10:09

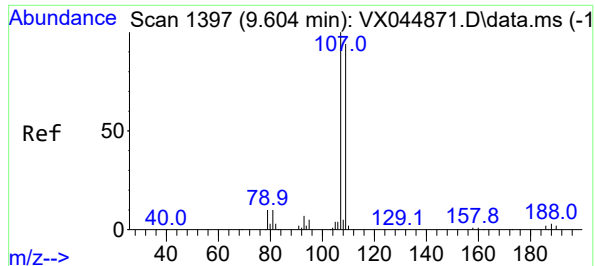
Tgt Ion:129 Resp: 83627

Ion Ratio Lower Upper

129 100

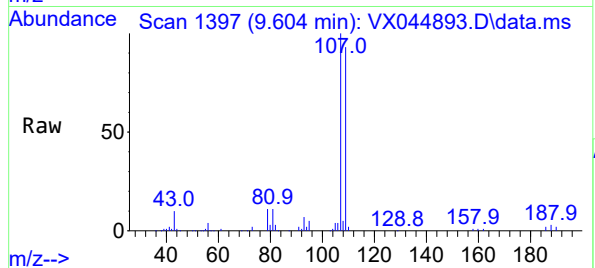
127 77.9 38.5 115.5





#61
1,2-Dibromoethane
Concen: 51.47 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

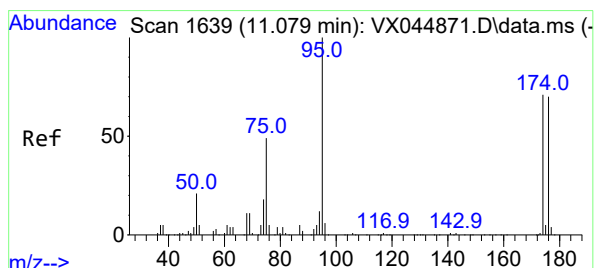
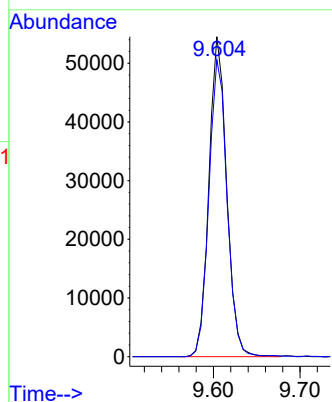
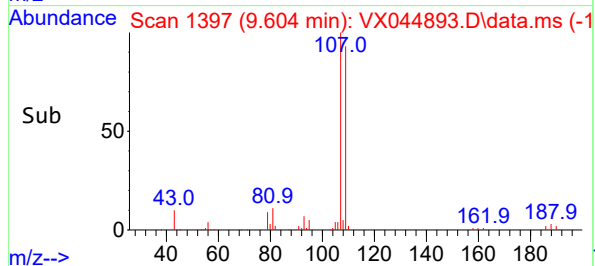
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:107 Resp: 7759
Ion Ratio Lower Upper
107 100
109 94.9 75.3 112.9

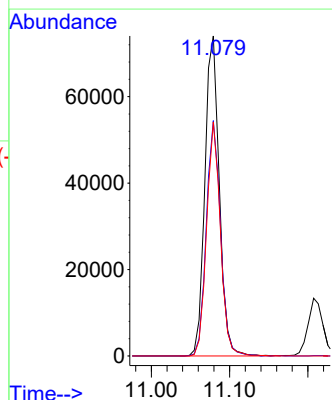
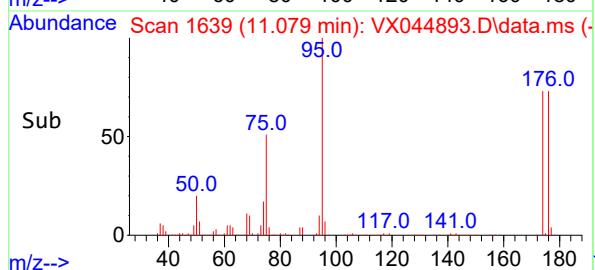
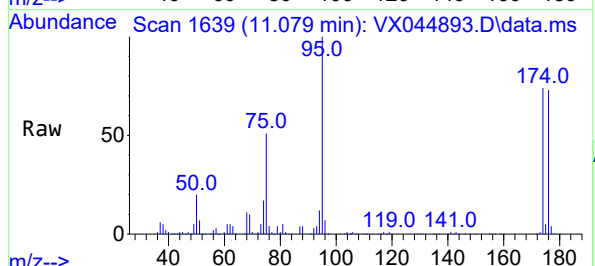
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

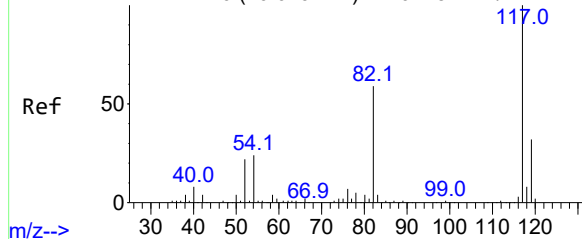


#62
4-Bromofluorobenzene
Concen: 51.42 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 95 Resp: 94539
Ion Ratio Lower Upper
95 100
174 72.5 0.0 133.0
176 70.1 0.0 129.4



Abundance Scan 1470 (10.049 min): VX044871.D\data.ms (-1



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

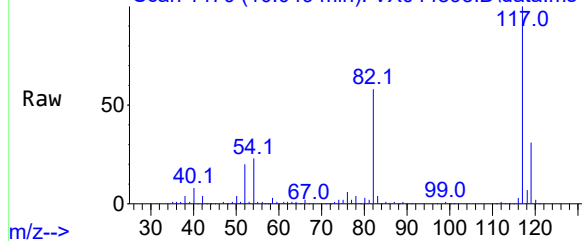
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Abundance Scan 1470 (10.049 min): VX044893.D\data.ms



Tgt Ion:117 Resp: 20070

Ion Ratio Lower Upper

117 100

82 57.6 47.6 71.4

119 31.1 25.4 38.2

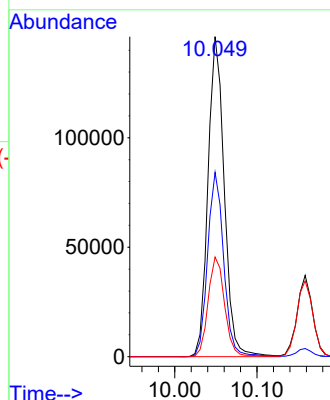
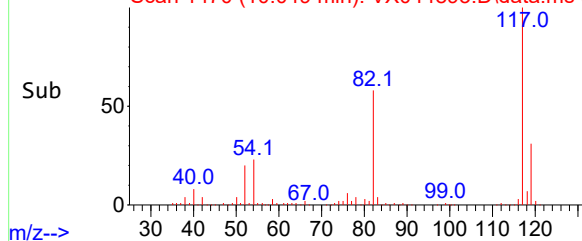
Manual Integrations

APPROVED

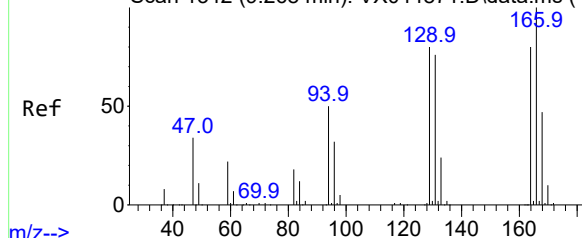
Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025

Abundance Scan 1470 (10.049 min): VX044893.D\data.ms (-1



Abundance Scan 1342 (9.268 min): VX044871.D\data.ms (-1



#64

Tetrachloroethene

Concen: 47.49 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Tgt Ion:164 Resp: 60113

Ion Ratio Lower Upper

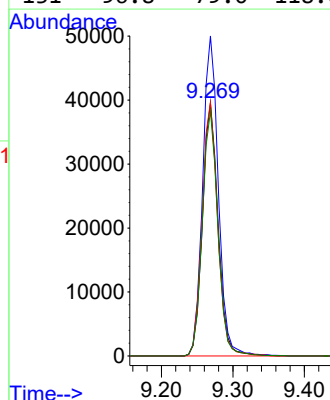
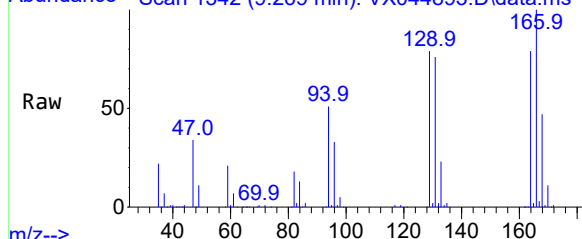
164 100

166 126.5 102.0 153.0

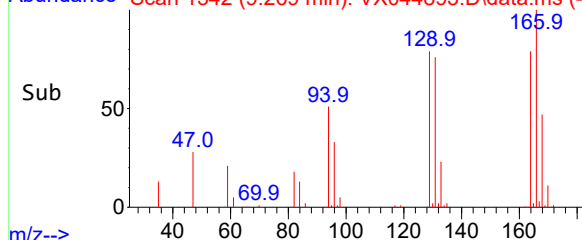
129 100.3 81.1 121.7

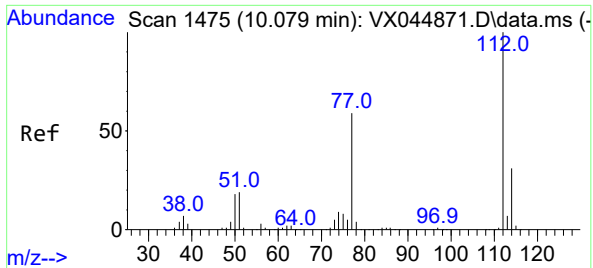
131 96.8 79.0 118.6

Abundance Scan 1342 (9.269 min): VX044893.D\data.ms



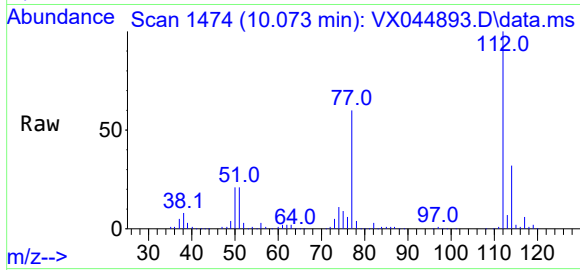
Abundance Scan 1342 (9.269 min): VX044893.D\data.ms (-1





#65
Chlorobenzene
Concen: 48.86 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

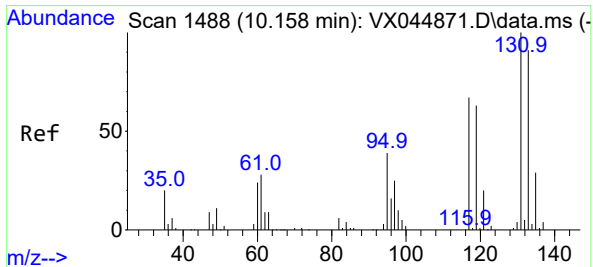
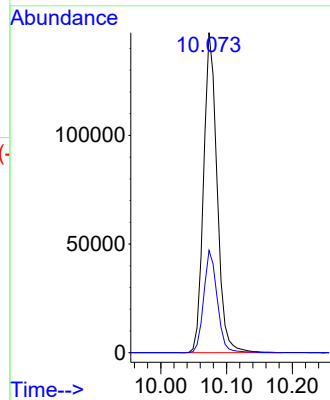
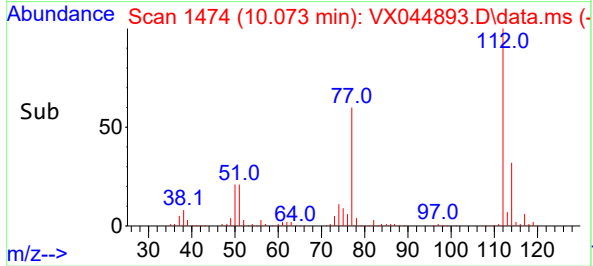
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:112 Resp: 21062
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9

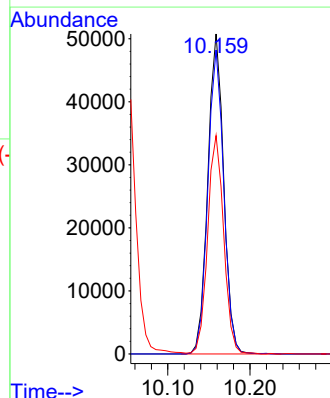
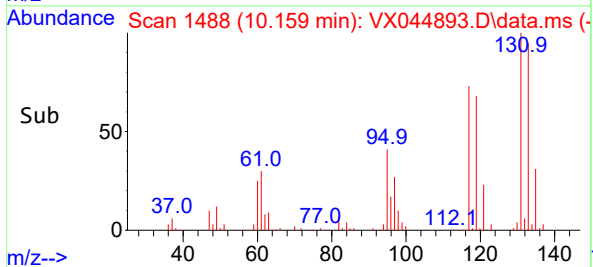
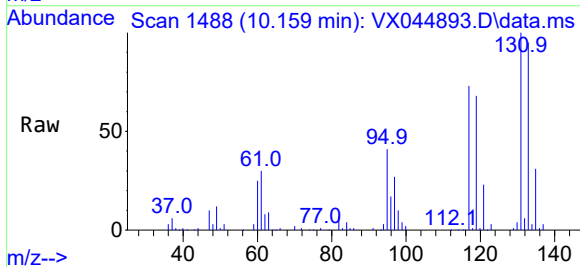
Manual Integrations
APPROVED

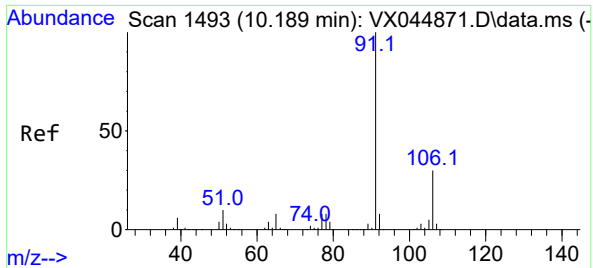
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 49.17 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:131 Resp: 68219
Ion Ratio Lower Upper
131 100
133 94.9 47.8 143.3
119 69.0 33.4 100.2





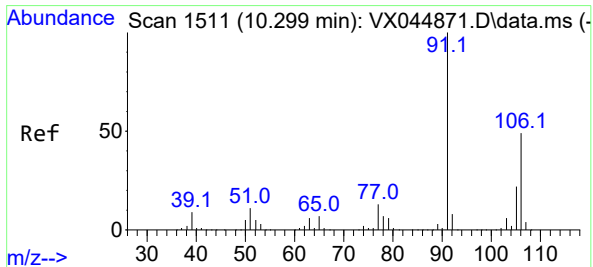
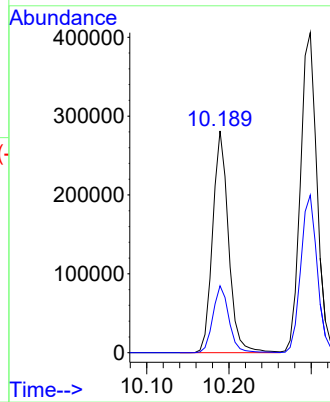
#67
Ethyl Benzene
Concen: 49.57 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 377075
Ion Ratio Lower Upper
91 100
106 30.1 25.0 37.6

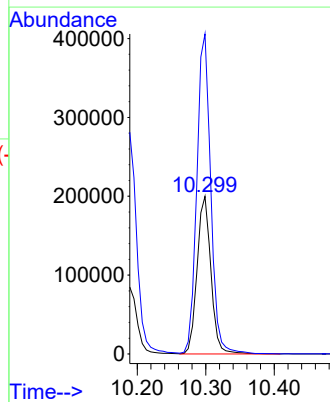
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

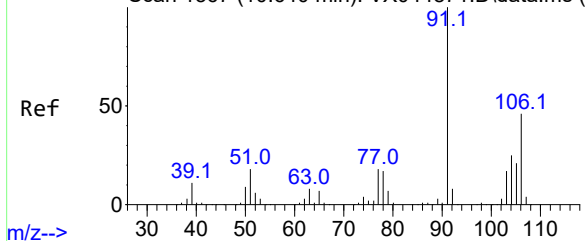


#68
m/p-Xylenes
Concen: 99.99 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:106 Resp: 280582
Ion Ratio Lower Upper
106 100
91 204.3 166.4 249.6



Abundance Scan 1567 (10.640 min): VX044871.D\data.ms (-



#69
o-Xylene
Concen: 49.27 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

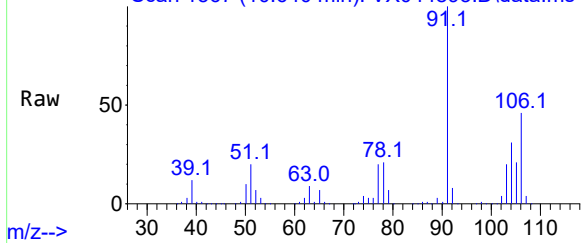
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 138735
Ion Ratio Lower Upper
106 100
91 216.9 108.7 326.3

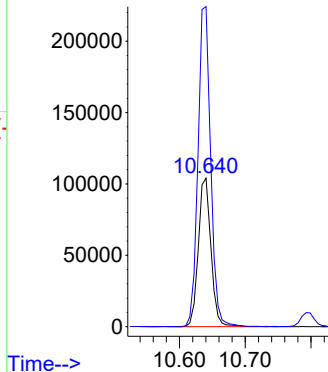
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

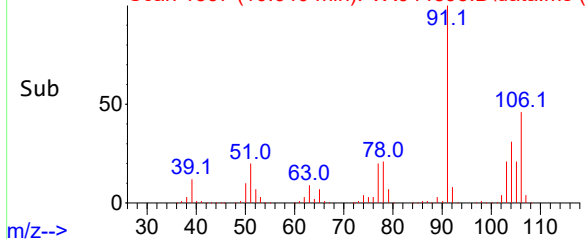
Abundance Scan 1567 (10.640 min): VX044893.D\data.ms



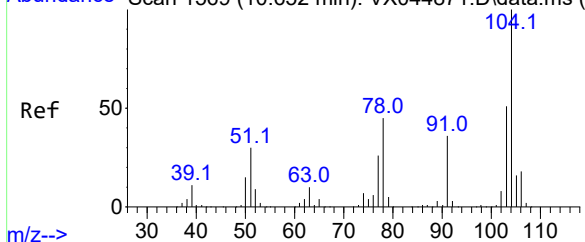
Abundance



Abundance Scan 1567 (10.640 min): VX044893.D\data.ms (-



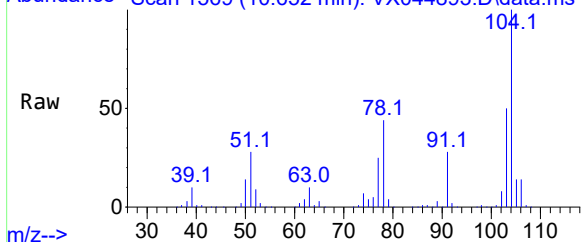
Abundance Scan 1569 (10.652 min): VX044871.D\data.ms (-



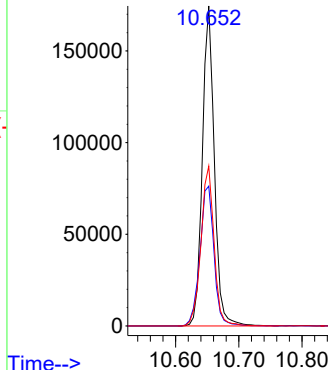
#70
Styrene
Concen: 50.74 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:104 Resp: 230163
Ion Ratio Lower Upper
104 100
78 51.3 43.0 64.6
103 54.8 43.4 65.2

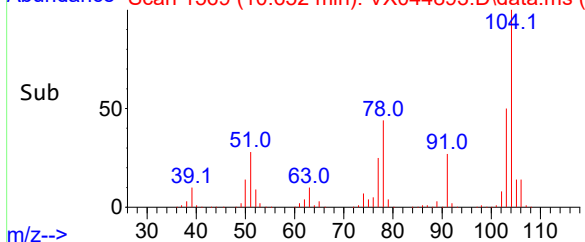
Abundance Scan 1569 (10.652 min): VX044893.D\data.ms

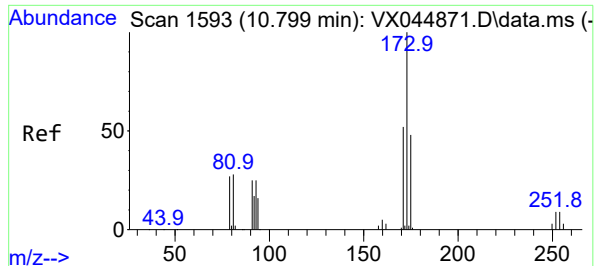


Abundance



Abundance Scan 1569 (10.652 min): VX044893.D\data.ms (-





#71

Bromoform

Concen: 51.22 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 5303

Ion Ratio Lower Upper

173 100

175 47.6 23.6 70.8

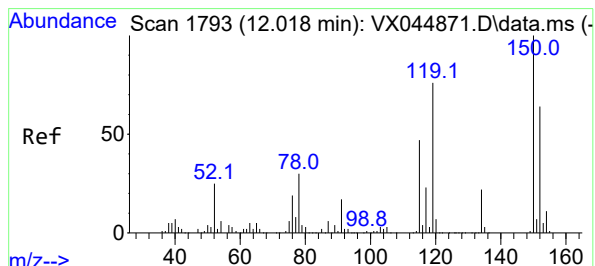
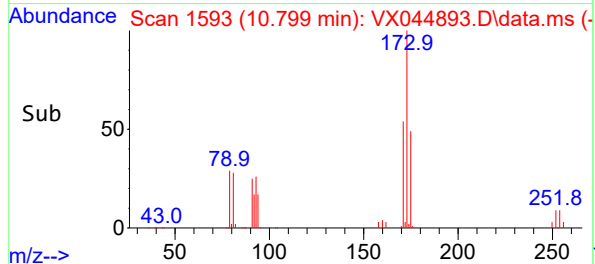
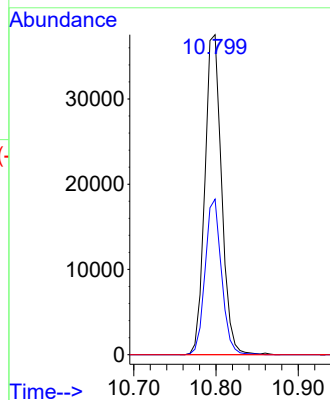
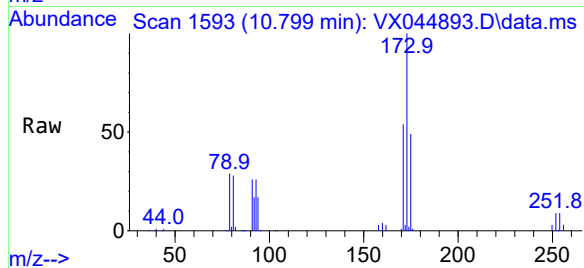
254 0.0 0.1 0.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

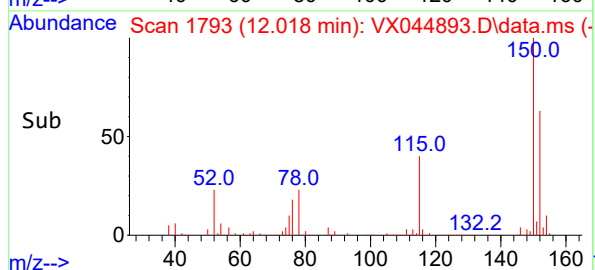
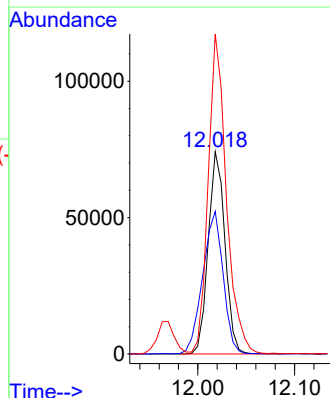
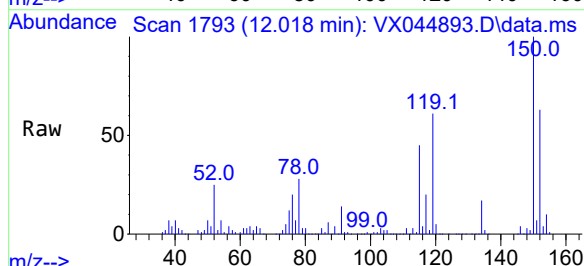
Tgt Ion:152 Resp: 89456

Ion Ratio Lower Upper

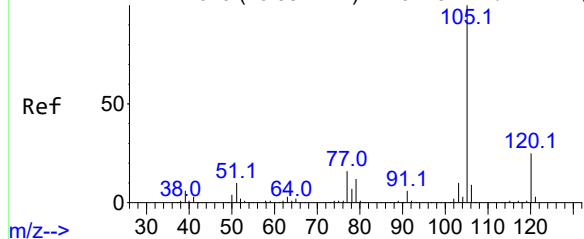
152 100

115 86.1 43.8 131.4

150 170.8 0.0 347.8



Abundance Scan 1619 (10.957 min): VX044871.D\data.ms (-



#73

Isopropylbenzene

Concen: 49.26 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 354838

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.6

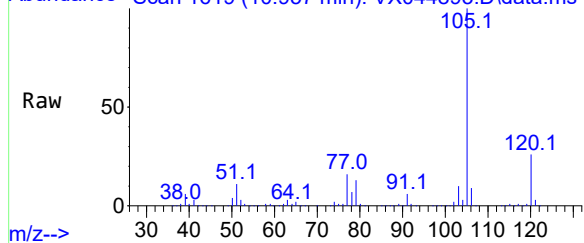
Manual Integrations

APPROVED

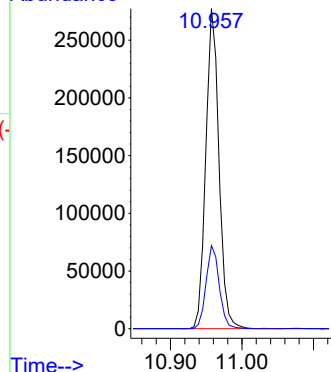
Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025

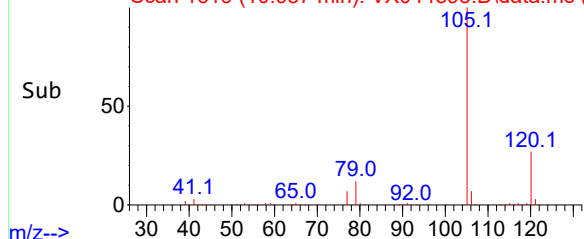
Abundance Scan 1619 (10.957 min): VX044893.D\data.ms



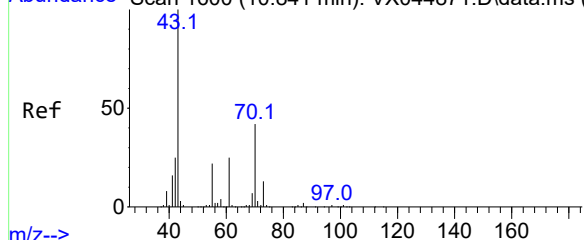
Abundance



Abundance Scan 1619 (10.957 min): VX044893.D\data.ms (-



Abundance Scan 1600 (10.841 min): VX044871.D\data.ms (-



#74

N-ethyl acetate

Concen: 51.00 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Tgt Ion: 43 Resp: 166229

Ion Ratio Lower Upper

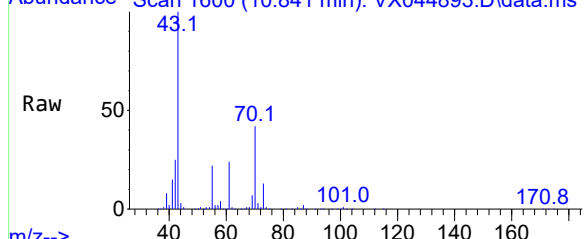
43 100

70 41.6 35.2 52.8

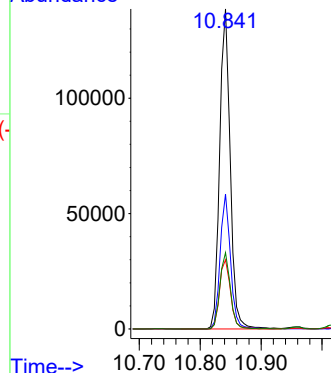
55 22.6 19.0 28.4

61 23.8 20.0 30.0

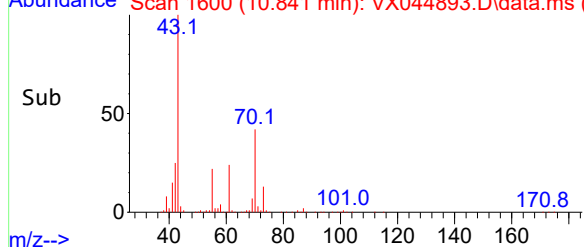
Abundance Scan 1600 (10.841 min): VX044893.D\data.ms



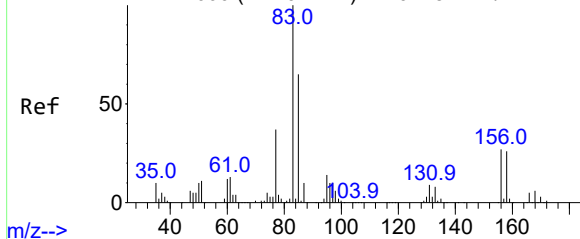
Abundance



Abundance Scan 1600 (10.841 min): VX044893.D\data.ms (-



Abundance Scan 1660 (11.207 min): VX044871.D\data.ms (-



#75
1,1,2,2-Tetrachloroethane
Concen: 47.39 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

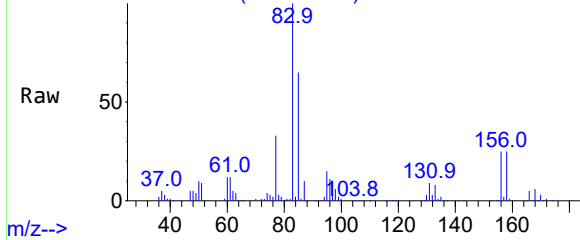
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 11730
Ion Ratio Lower Upper
83 100
131 8.9 5.0 14.9
85 64.7 32.0 96.2

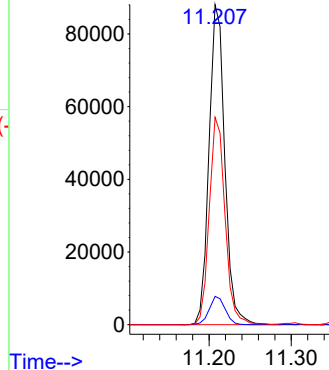
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

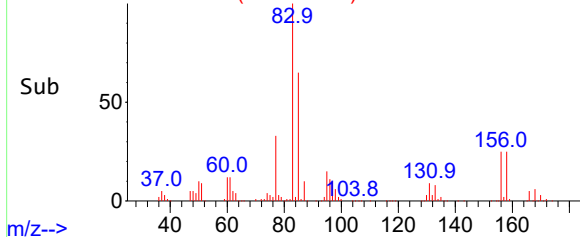
Abundance Scan 1660 (11.207 min): VX044893.D\data.ms



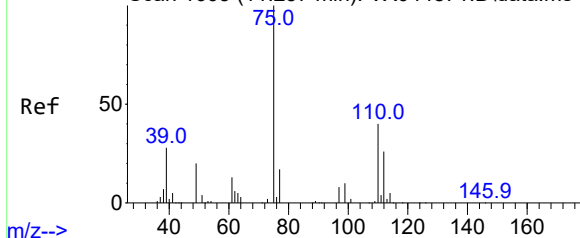
Abundance



Abundance Scan 1660 (11.207 min): VX044893.D\data.ms (-



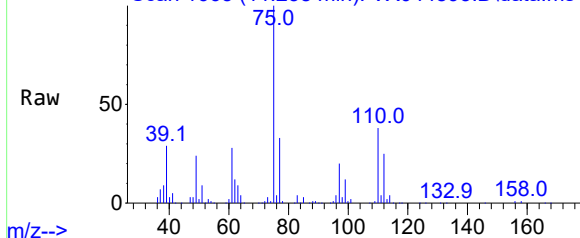
Abundance Scan 1665 (11.237 min): VX044871.D\data.ms (-



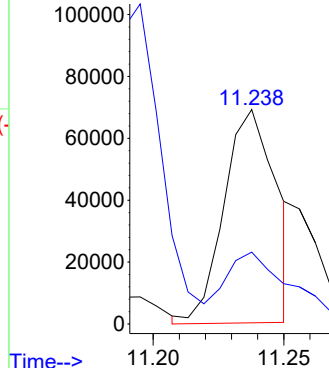
#76
1,2,3-Trichloropropane
Concen: 43.62 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 75 Resp: 96054
Ion Ratio Lower Upper
75 100
77 42.7 23.4 70.2

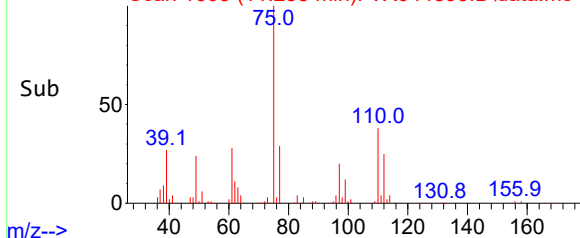
Abundance Scan 1665 (11.238 min): VX044893.D\data.ms

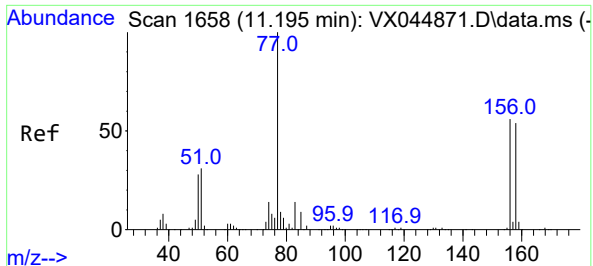


Abundance



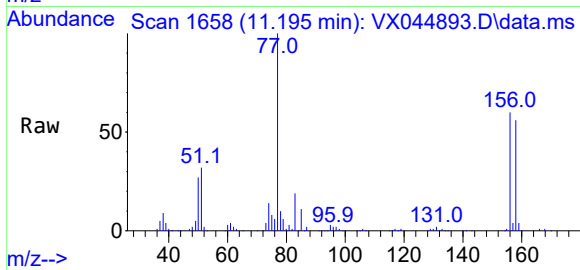
Abundance Scan 1665 (11.238 min): VX044893.D\data.ms (-





#77
Bromobenzene
Concen: 48.87 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

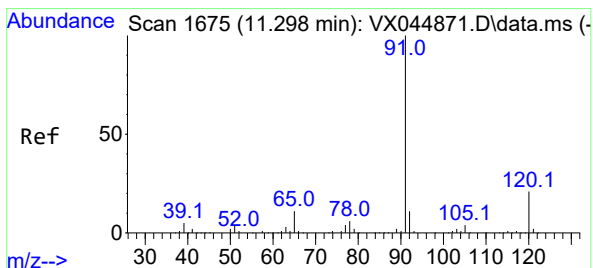
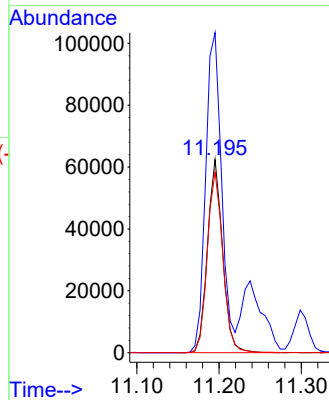
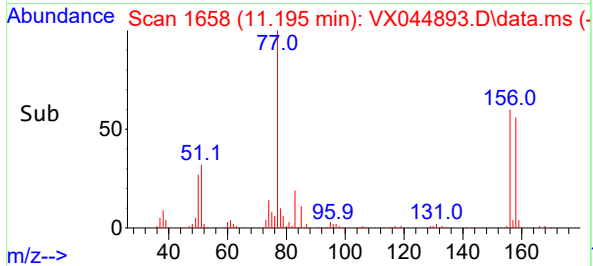
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



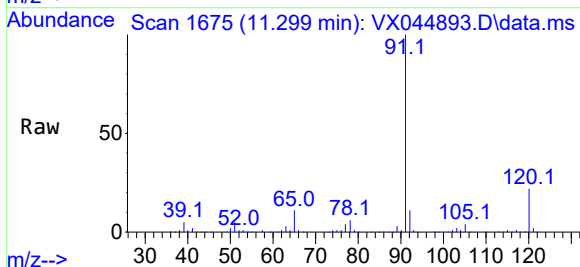
Tgt Ion:156 Resp: 79799
Ion Ratio Lower Upper
156 100
77 174.7 90.3 271.0
158 96.0 48.4 145.3

Manual Integrations
APPROVED

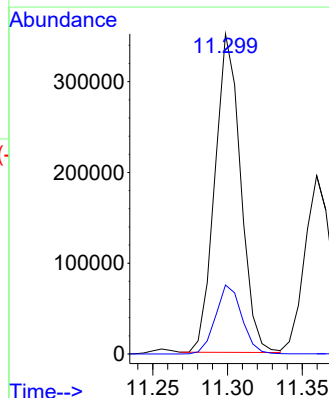
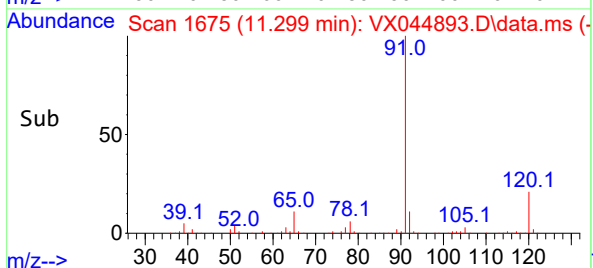
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

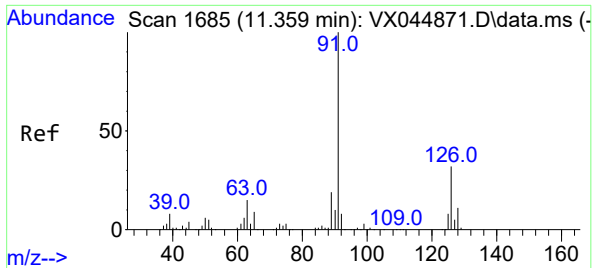


#78
n-propylbenzene
Concen: 50.57 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09



Tgt Ion: 91 Resp: 420391
Ion Ratio Lower Upper
91 100
120 22.2 11.4 34.1





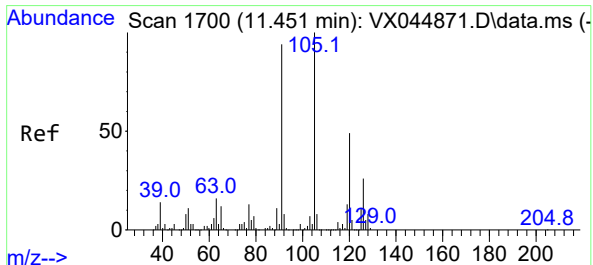
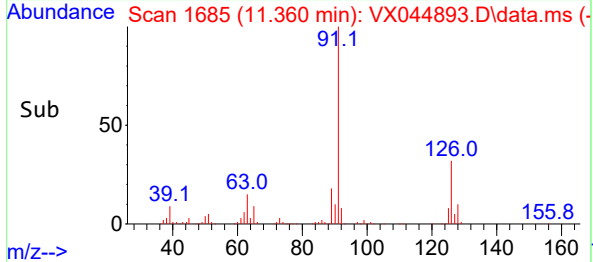
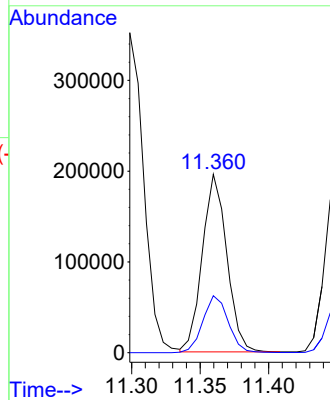
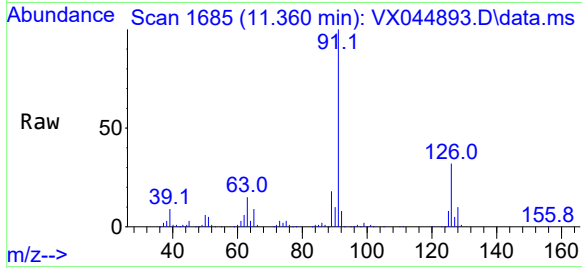
#79
2-Chlorotoluene
Concen: 47.64 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 24343
Ion Ratio Lower Upper
91 100
126 33.3 16.2 48.5

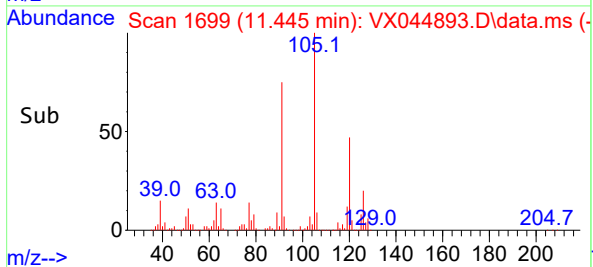
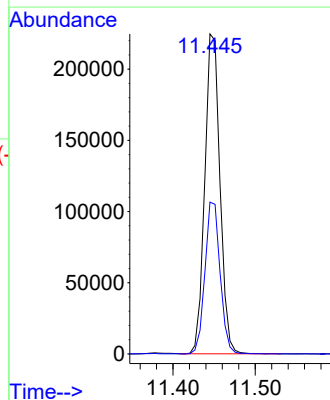
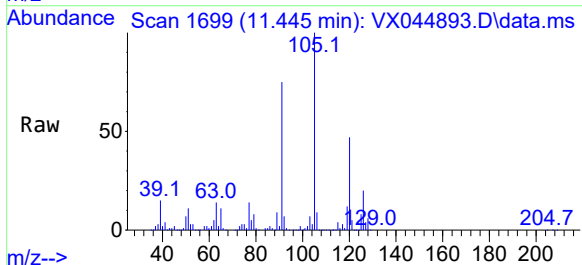
Manual Integrations
APPROVED

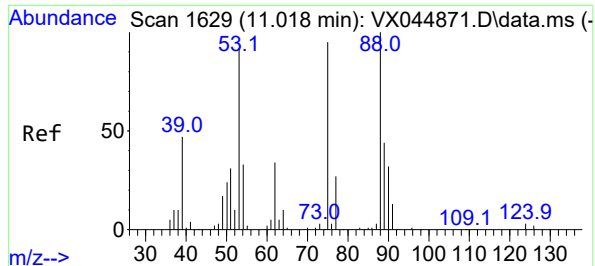
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#80
1,3,5-Trimethylbenzene
Concen: 49.41 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:105 Resp: 288797
Ion Ratio Lower Upper
105 100
120 47.5 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 49.10 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 37854

Ion Ratio Lower Upper

75 100

53 96.6 74.3 111.5

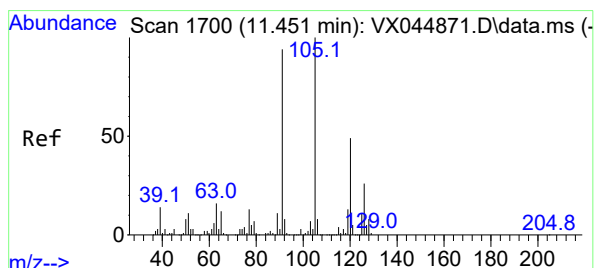
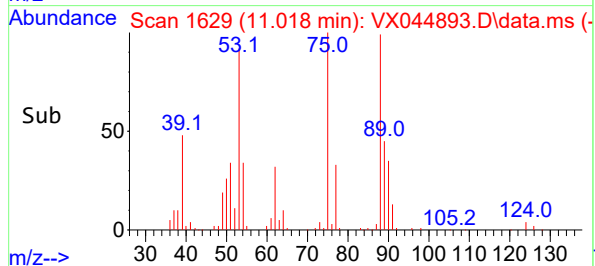
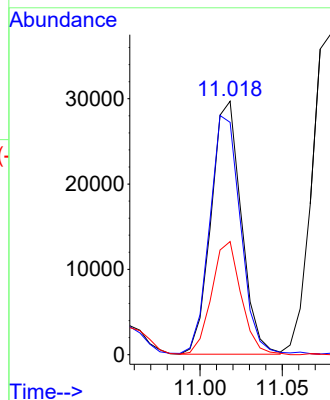
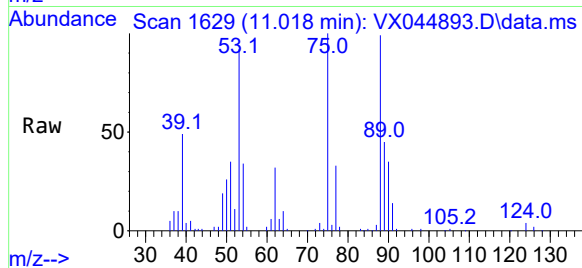
89 43.9 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#82

4-Chlorotoluene

Concen: 49.03 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044893.D

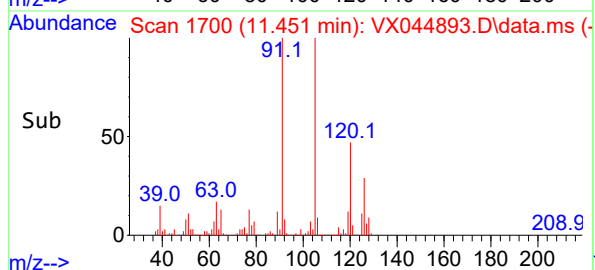
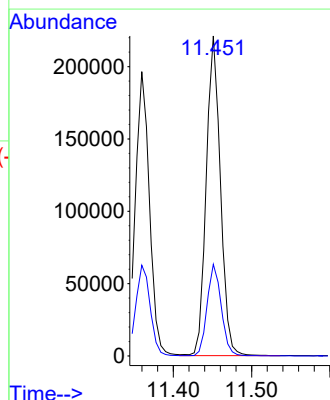
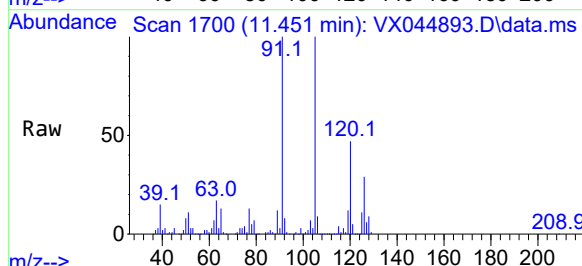
Acq: 11 Feb 2025 10:09

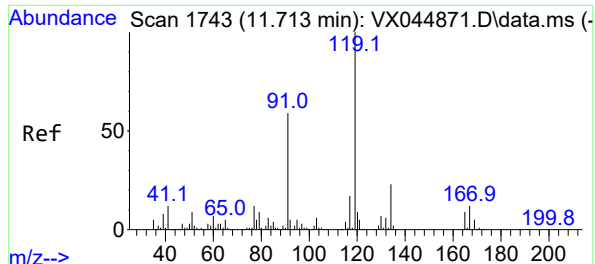
Tgt Ion: 91 Resp: 277142

Ion Ratio Lower Upper

91 100

126 28.7 13.9 41.7





#83

tert-Butylbenzene

Concen: 49.82 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 294574

Ion Ratio Lower Upper

119 100

91 58.2 30.0 90.0

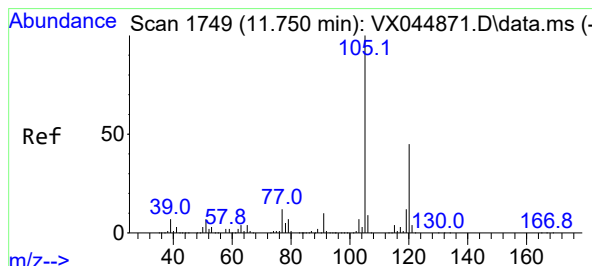
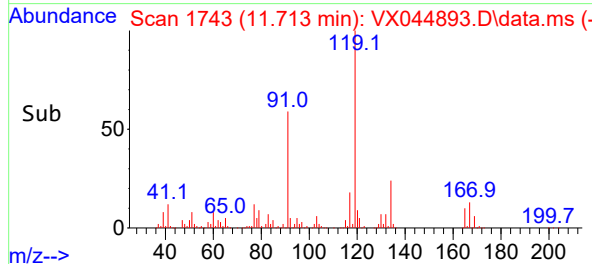
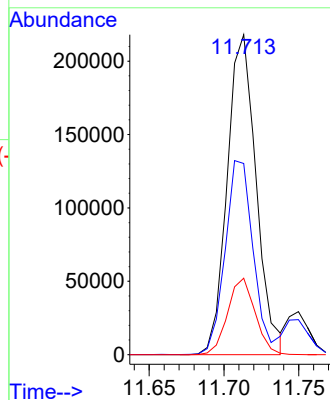
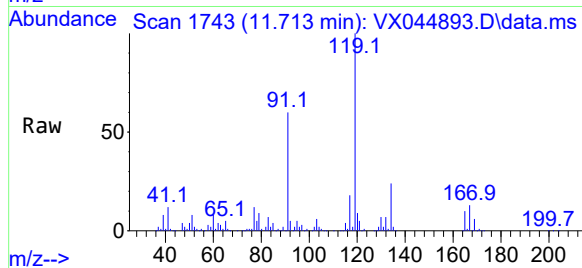
134 22.7 11.2 33.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#84

1,2,4-Trimethylbenzene

Concen: 50.50 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044893.D

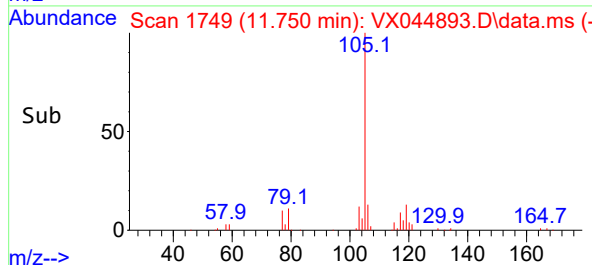
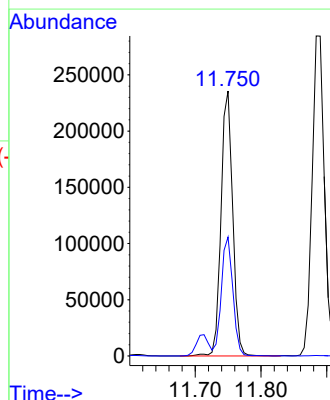
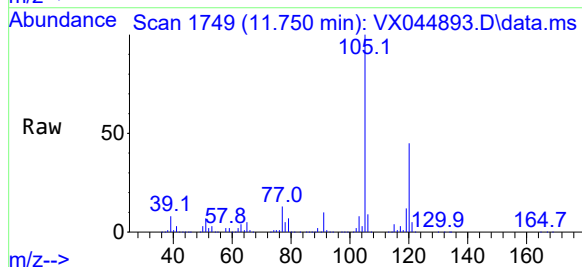
Acq: 11 Feb 2025 10:09

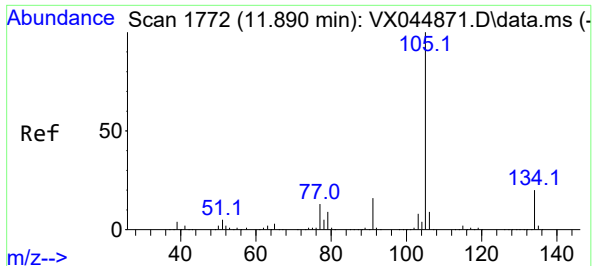
Tgt Ion:105 Resp: 291318

Ion Ratio Lower Upper

105 100

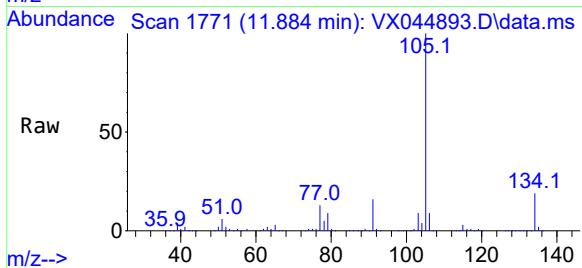
120 44.2 22.2 66.6





#85
sec-Butylbenzene
Concen: 50.35 ug/l
RT: 11.884 min Scan# 1772
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

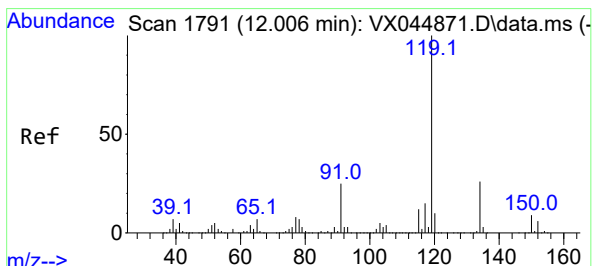
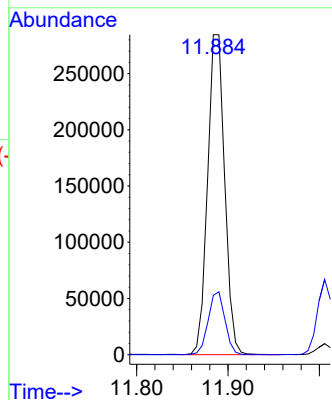
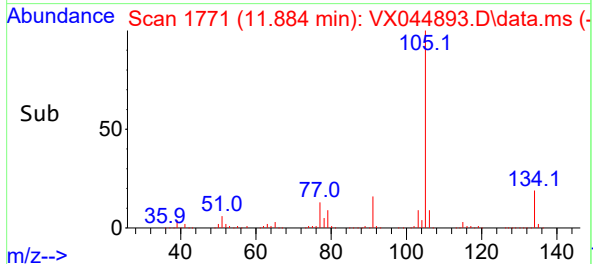
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



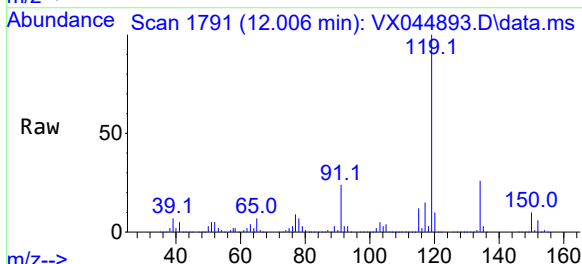
Tgt Ion:105 Resp: 368710
Ion Ratio Lower Upper
105 100
134 19.3 9.8 29.5

Manual Integrations
APPROVED

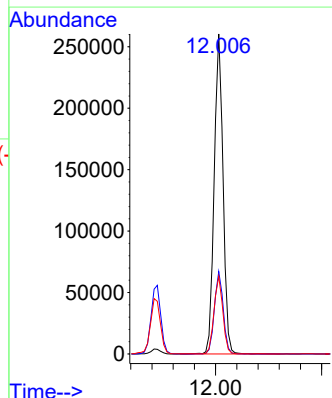
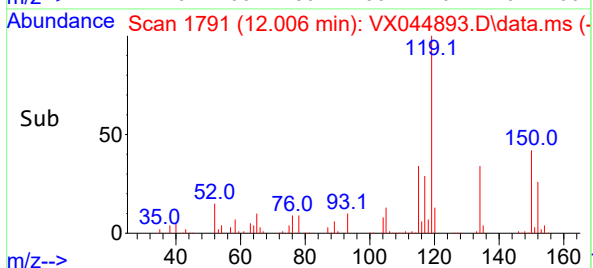
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



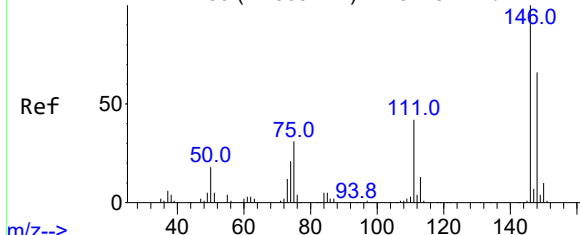
#86
p-Isopropyltoluene
Concen: 51.27 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09



Tgt Ion:119 Resp: 301888
Ion Ratio Lower Upper
119 100
134 25.7 12.8 38.4
91 24.1 12.7 38.1

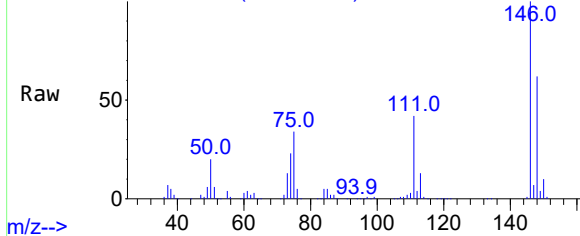


Abundance Scan 1785 (11.969 min): VX044871.D\data.ms (-



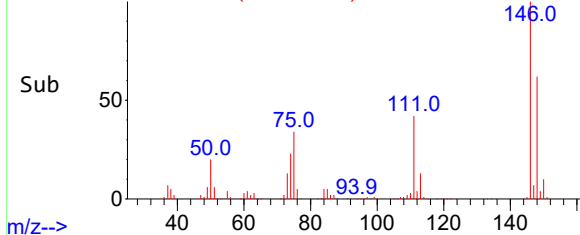
m/z-->

Abundance Scan 1784 (11.963 min): VX044893.D\data.ms



m/z-->

Abundance Scan 1784 (11.963 min): VX044893.D\data.ms (-



m/z-->

#87

1,3-Dichlorobenzene

Concen: 49.30 ug/l

RT: 11.963 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Tgt Ion:146 Resp: 148060

Ion Ratio Lower Upper

146 100

111 42.0 21.9 65.7

148 63.7 31.8 95.4

Instrument :

MSVOA_X

ClientSampleId :

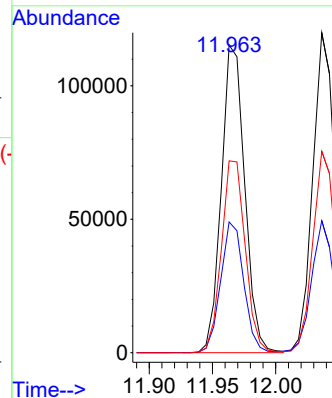
VSTDCCC050

Manual Integrations

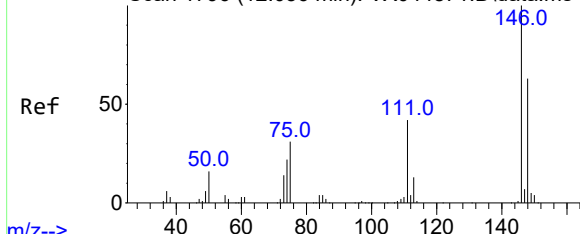
APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025

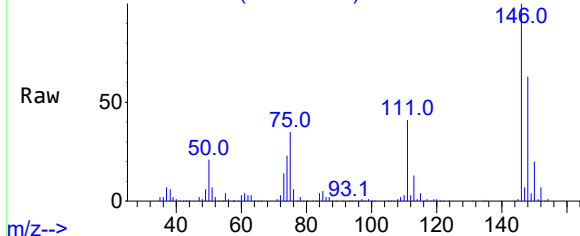


Abundance Scan 1796 (12.036 min): VX044871.D\data.ms (-



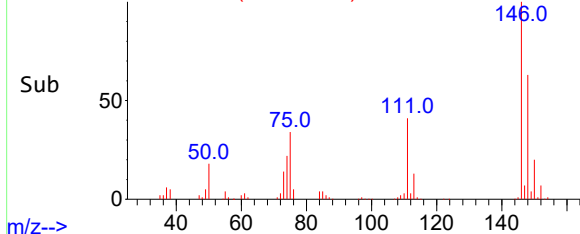
m/z-->

Abundance Scan 1796 (12.036 min): VX044893.D\data.ms



m/z-->

Abundance Scan 1796 (12.036 min): VX044893.D\data.ms (-



m/z-->

#88

1,4-Dichlorobenzene

Concen: 48.49 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

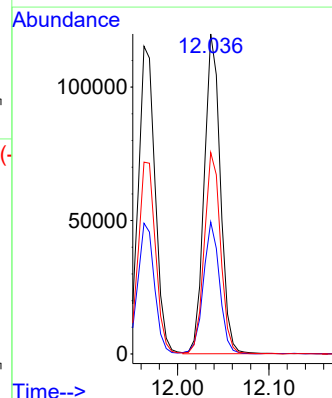
Tgt Ion:146 Resp: 146583

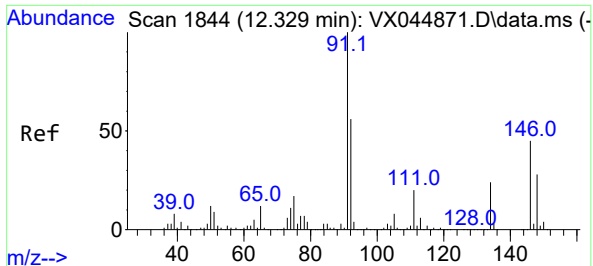
Ion Ratio Lower Upper

146 100

111 41.5 21.5 64.5

148 63.3 32.1 96.5





#89

n-Butylbenzene

Concen: 53.54 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 278914

Ion Ratio Lower Upper

91 100

92 54.3 27.4 82.0

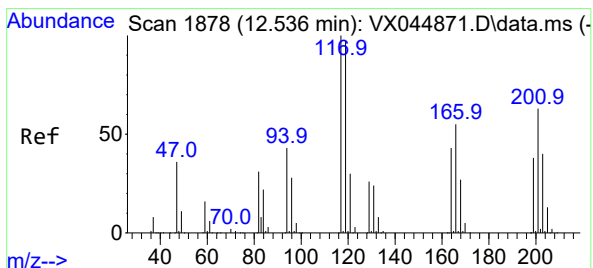
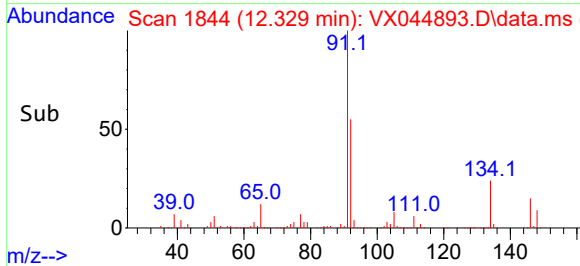
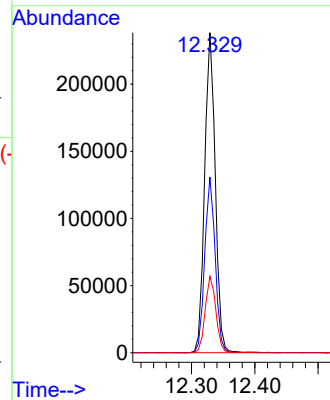
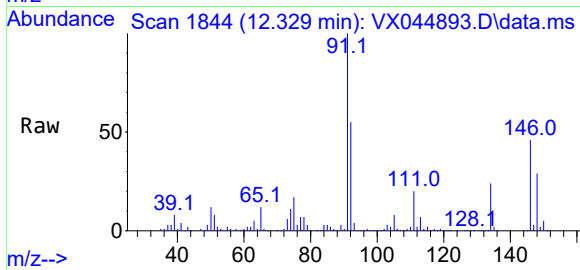
134 24.1 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#90

Hexachloroethane

Concen: 50.13 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044893.D

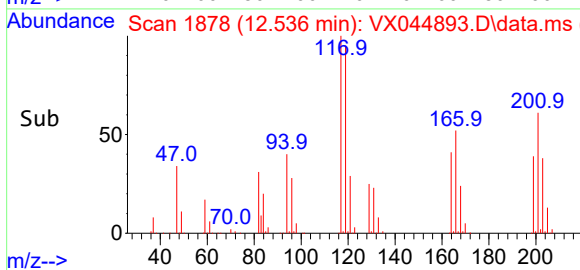
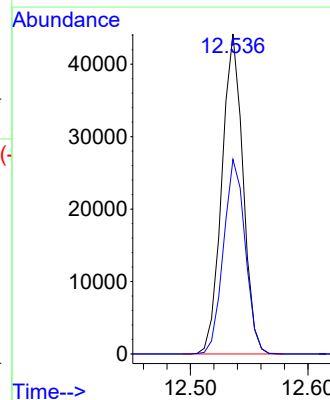
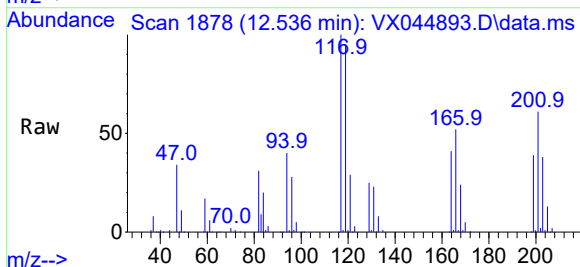
Acq: 11 Feb 2025 10:09

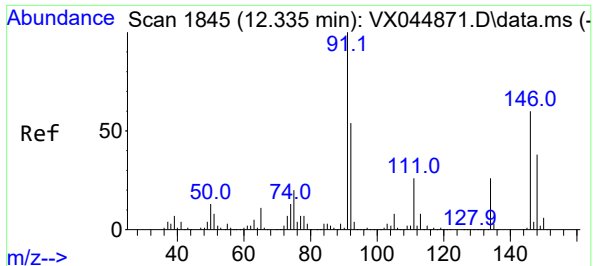
Tgt Ion:117 Resp: 55271

Ion Ratio Lower Upper

117 100

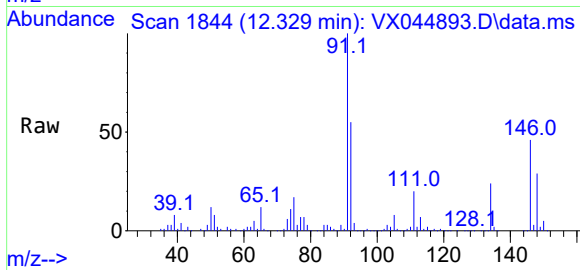
201 62.5 32.3 96.8





#91
1,2-Dichlorobenzene
Concen: 48.95 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

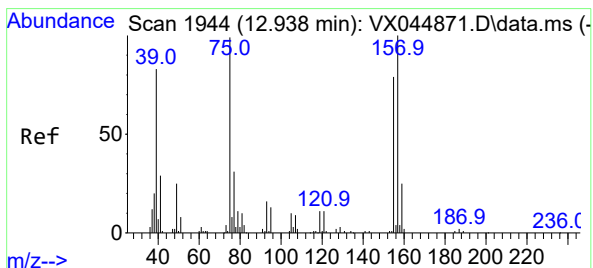
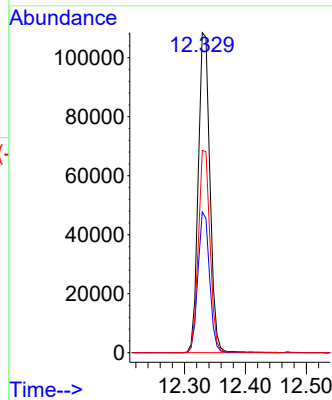
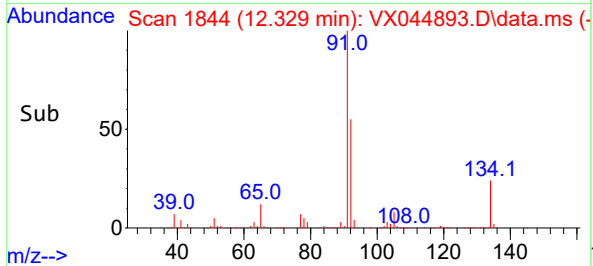
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



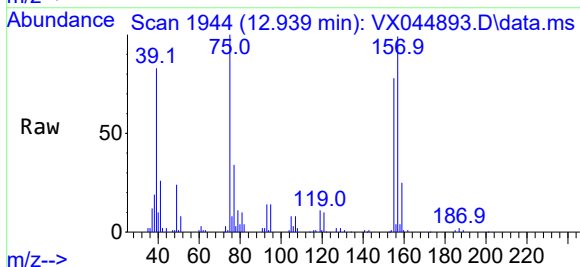
Tgt Ion:146 Resp: 144478
Ion Ratio Lower Upper
146 100
111 43.6 22.4 67.2
148 63.1 31.6 94.8

Manual Integrations
APPROVED

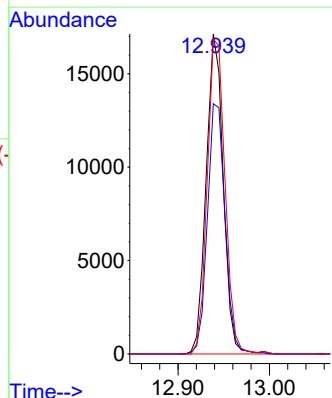
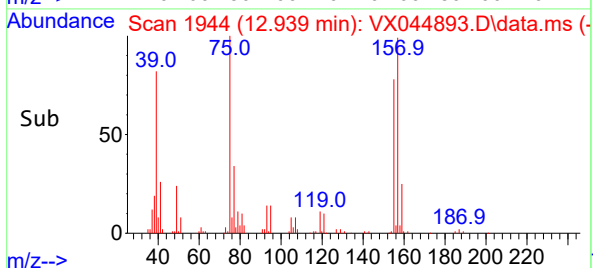
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



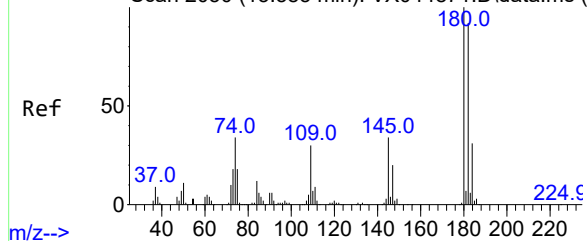
#92
1,2-Dibromo-3-Chloropropane
Concen: 49.11 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09



Tgt Ion: 75 Resp: 22187
Ion Ratio Lower Upper
75 100
155 80.9 39.0 116.9
157 102.7 49.9 149.7



Abundance Scan 2050 (13.585 min): VX044871.D\data.ms (-



#93

1,2,4-Trichlorobenzene

Concen: 50.88 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 90870

Ion Ratio Lower Upper

180 100

182 95.5 47.4 142.2

145 32.9 16.7 50.1

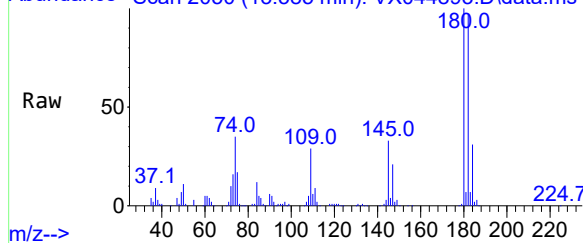
Manual Integrations

APPROVED

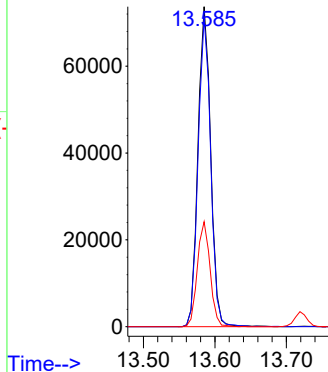
Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025

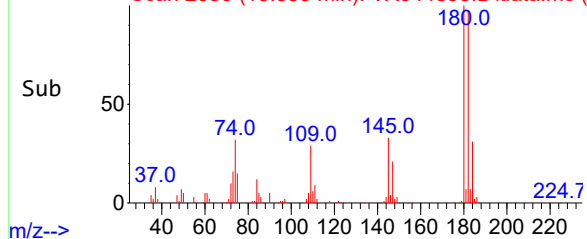
Abundance Scan 2050 (13.585 min): VX044893.D\data.ms



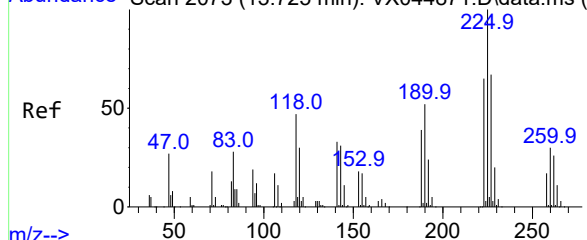
Abundance



Abundance Scan 2050 (13.585 min): VX044893.D\data.ms (-



Abundance Scan 2073 (13.725 min): VX044871.D\data.ms (-



#94

Hexachlorobutadiene

Concen: 50.32 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Tgt Ion:225 Resp: 35673

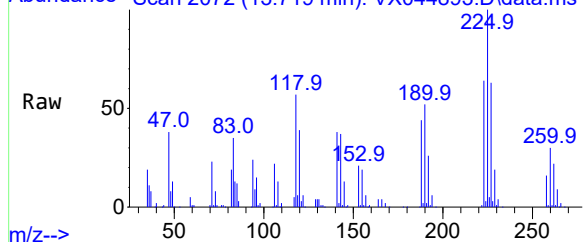
Ion Ratio Lower Upper

225 100

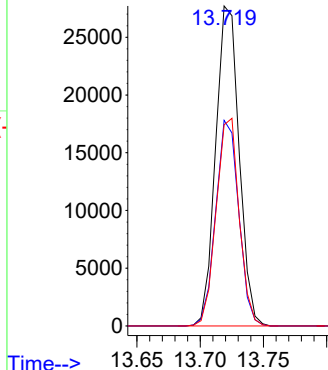
223 63.0 31.9 95.7

227 63.5 31.8 95.4

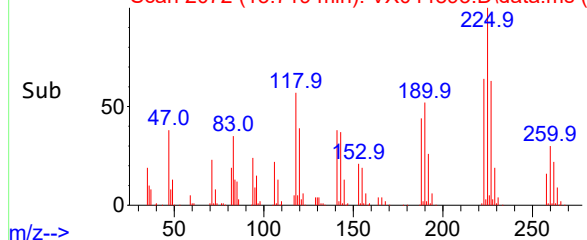
Abundance Scan 2072 (13.719 min): VX044893.D\data.ms



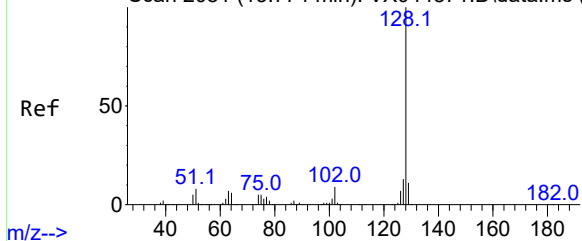
Abundance



Abundance Scan 2072 (13.719 min): VX044893.D\data.ms (-



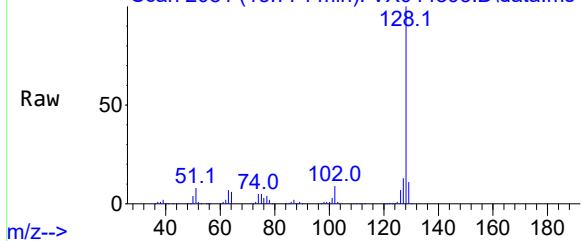
Abundance Scan 2081 (13.774 min): VX044871.D\data.ms (-



#95
Naphthalene
Concen: 50.42 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Abundance Scan 2081 (13.774 min): VX044893.D\data.ms

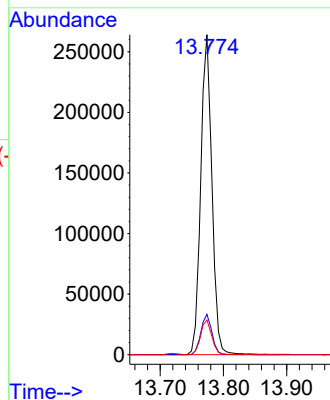
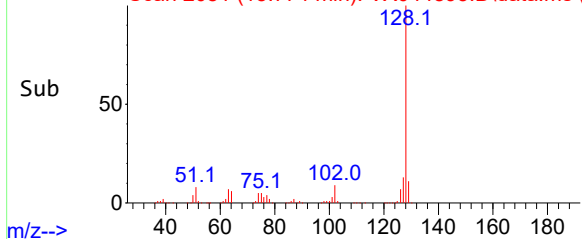


Tgt Ion:128 Resp: 32548
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.9 8.7 13.1

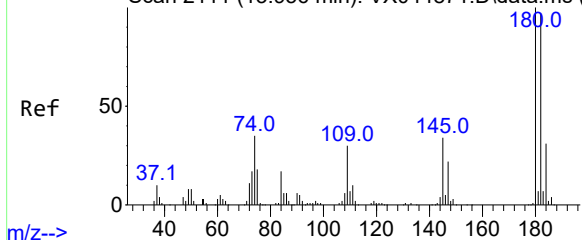
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Abundance Scan 2081 (13.774 min): VX044893.D\data.ms (-



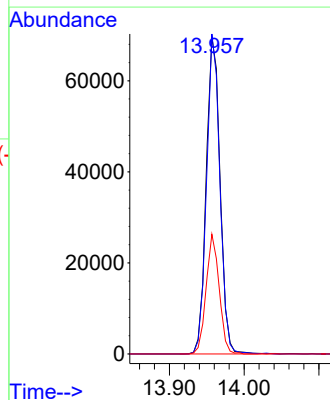
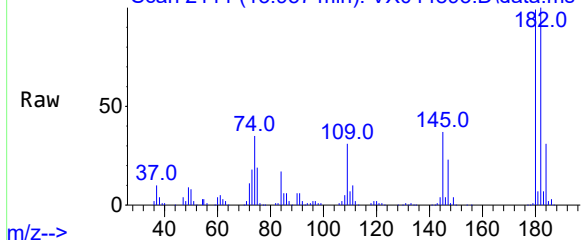
Abundance Scan 2111 (13.956 min): VX044871.D\data.ms (-



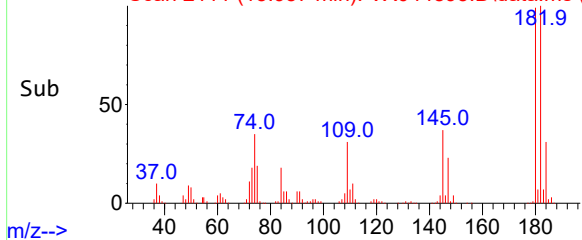
#96
1,2,3-Trichlorobenzene
Concen: 49.75 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:180 Resp: 89533
Ion Ratio Lower Upper
180 100
182 97.0 47.2 141.6
145 35.6 17.5 52.6

Abundance Scan 2111 (13.957 min): VX044893.D\data.ms



Abundance Scan 2111 (13.957 min): VX044893.D\data.ms (-



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044893.D
 Acq On : 11 Feb 2025 10:09
 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 12 02:36:31 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

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	0.701	0.665	5.1	93	0.00
3 P	Chloromethane	0.854	0.769	10.0	89	0.00
4 C	Vinyl Chloride	0.827	0.753	8.9#	91	0.00
5 T	Bromomethane	0.247	0.240	2.8	94	0.00
6 T	Chloroethane	0.307	0.329	-7.2	94	0.00
7 T	Trichlorofluoromethane	1.046	0.998	4.6	95	0.00
8 T	Diethyl Ether	0.379	0.384	-1.3	100	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.632	0.607	4.0	95	0.00
10 T	Methyl Iodide	0.819	0.794	3.1	92	0.00
11 T	Tert butyl alcohol	0.136	0.129	5.1	93	0.00
12 CM	1,1-Dichloroethene	0.644	0.595	7.6#	93	0.00
13 T	Acrolein	0.140	0.139	0.7	97	0.00
14 T	Allyl chloride	1.165	1.107	5.0	94	0.00
15 T	Acrylonitrile	0.363	0.348	4.1	90	0.00
16 T	Acetone	0.294	0.277	5.8	92	0.00
17 T	Carbon Disulfide	1.767	1.631	7.7	91	0.00
18 T	Methyl Acetate	0.928	0.885	4.6	92	0.00
19 T	Methyl tert-butyl Ether	2.050	2.002	2.3	96	0.00
20 T	Methylene Chloride	0.721	0.677	6.1	94	0.00
21 T	trans-1,2-Dichloroethene	0.634	0.597	5.8	91	0.00
22 T	Diisopropyl ether	2.203	2.196	0.3	96	0.00
23 T	Vinyl Acetate	1.796	1.830	-1.9	96	0.00
24 P	1,1-Dichloroethane	1.233	1.179	4.4	94	0.00
25 T	2-Butanone	0.478	0.467	2.3	90	0.00
26 T	2,2-Dichloropropane	0.978	0.948	3.1	98	0.00
27 T	cis-1,2-Dichloroethene	0.762	0.732	3.9	95	0.00
28 T	Bromochloromethane	0.593	0.503	15.2	84	0.00
29 T	Tetrahydrofuran	0.317	0.307	3.2	92	0.00
30 C	Chloroform	1.196	1.146	4.2#	96	0.00
31 T	Cyclohexane	1.137	1.078	5.2	94	0.00
32 T	1,1,1-Trichloroethane	1.014	0.966	4.7	94	0.00
33 S	1,2-Dichloroethane-d4	0.732	0.712	2.7	96	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
35 S	Dibromofluoromethane	0.325	0.323	0.6	96	0.00
36 T	1,1-Dichloropropene	0.469	0.450	4.1	92	0.00
37 T	Ethyl Acetate	0.522	0.511	2.1	92	0.00
38 T	Carbon Tetrachloride	0.460	0.449	2.4	94	0.00
39 T	Methylcyclohexane	0.606	0.637	-5.1	97	0.00
40 TM	Benzene	1.465	1.449	1.1	94	0.00
41 T	Methacrylonitrile	0.279	0.290	-3.9	91	0.00
42 TM	1,2-Dichloroethane	0.467	0.482	-3.2	97	0.00
43 T	Isopropyl Acetate	0.842	0.868	-3.1	94	0.00
44 TM	Trichloroethene	0.335	0.334	0.3	95	0.00
45 C	1,2-Dichloropropane	0.364	0.371	-1.9#	96	0.00
46 T	Dibromomethane	0.253	0.256	-1.2	95	0.00
47 T	Bromodichloromethane	0.489	0.514	-5.1	98	0.00
48 T	Methyl methacrylate	0.397	0.413	-4.0	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044893.D
 Acq On : 11 Feb 2025 10:09
 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 12 02:36:31 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

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	92	0.00
50 S	Toluene-d8	1.229	1.230	-0.1	94	0.00
51 T	4-Methyl-2-Pentanone	0.512	0.530	-3.5	91	0.00
52 CM	Toluene	0.872	0.893	-2.4#	94	0.00
53 T	t-1,3-Dichloropropene	0.495	0.525	-6.1	97	0.00
54 T	cis-1,3-Dichloropropene	0.552	0.586	-6.2	96	0.00
55 T	1,1,2-Trichloroethane	0.335	0.344	-2.7	96	0.00
56 T	Ethyl methacrylate	0.542	0.572	-5.5	94	0.00
57 T	1,3-Dichloropropane	0.587	0.601	-2.4	94	0.00
58 T	2-Chloroethyl Vinyl ether	0.266	0.326	-22.6	108	0.00
59 T	2-Hexanone	0.369	0.384	-4.1	90	0.00
60 T	Dibromochloromethane	0.359	0.377	-5.0	96	0.00
61 T	1,2-Dibromoethane	0.340	0.350	-2.9	95	0.00
62 S	4-Bromofluorobenzene	0.414	0.426	-2.9	94	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64 T	Tetrachloroethene	0.315	0.300	4.8	95	0.00
65 PM	Chlorobenzene	1.074	1.049	2.3	94	0.00
66 T	1,1,1,2-Tetrachloroethane	0.346	0.340	1.7	94	0.00
67 C	Ethyl Benzene	1.895	1.879	0.8#	95	0.00
68 T	m/p-Xylenes	0.699	0.699	0.0	95	0.00
69 T	o-Xylene	0.701	0.691	1.4	96	0.00
70 T	Styrene	1.130	1.147	-1.5	94	0.00
71 P	Bromoform	0.258	0.264	-2.3	92	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73 T	Isopropylbenzene	4.026	3.967	1.5	95	0.00
74 T	N-amyl acetate	1.822	1.858	-2.0	94	0.00
75 P	1,1,2,2-Tetrachloroethane	1.383	1.311	5.2	93	0.00
76 T	1,2,3-Trichloropropane	1.109	1.073	3.2	94	0.00
77 T	Bromobenzene	0.913	0.892	2.3	94	0.00
78 T	n-propylbenzene	4.647	4.699	-1.1	96	0.00
79 T	2-Chlorotoluene	2.856	2.721	4.7	92	0.00
80 T	1,3,5-Trimethylbenzene	3.267	3.228	1.2	94	0.00
81 T	trans-1,4-Dichloro-2-butene	0.431	0.423	1.9	93	0.00
82 T	4-Chlorotoluene	3.160	3.098	2.0	94	0.00
83 T	tert-Butylbenzene	3.305	3.293	0.4	96	0.00
84 T	1,2,4-Trimethylbenzene	3.225	3.257	-1.0	94	0.00
85 T	sec-Butylbenzene	4.093	4.122	-0.7	96	0.00
86 T	p-Isopropyltoluene	3.291	3.375	-2.6	96	0.00
87 T	1,3-Dichlorobenzene	1.678	1.655	1.4	95	0.00
88 T	1,4-Dichlorobenzene	1.697	1.639	3.4	94	0.00
89 T	n-Butylbenzene	2.912	3.118	-7.1	97	0.00
90 T	Hexachloroethane	0.616	0.618	-0.3	97	0.00
91 T	1,2-Dichlorobenzene	1.650	1.615	2.1	94	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.252	0.248	1.6	93	0.00
93 T	1,2,4-Trichlorobenzene	0.998	1.016	-1.8	97	0.00
94 T	Hexachlorobutadiene	0.396	0.399	-0.8	101	0.00
95 T	Naphthalene	3.608	3.638	-0.8	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
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 12 02:36:31 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

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	1.001	0.5	94	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044893.D
 Acq On : 11 Feb 2025 10:09
 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 12 02:36:31 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

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	47.415	5.2	93	0.00
3 P	Chloromethane	50.000	45.059	9.9	89	0.00
4 C	Vinyl Chloride	50.000	45.534	8.9#	91	0.00
5 T	Bromomethane	50.000	48.444	3.1	94	0.00
6 T	Chloroethane	50.000	51.506	-3.0	94	0.00
7 T	Trichlorofluoromethane	50.000	47.717	4.6	95	0.00
8 T	Diethyl Ether	50.000	50.688	-1.4	100	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.009	4.0	95	0.00
10 T	Methyl Iodide	50.000	48.499	3.0	92	0.00
11 T	Tert butyl alcohol	250.000	238.084	4.8	93	0.00
12 CM	1,1-Dichloroethene	50.000	46.197	7.6#	93	0.00
13 T	Acrolein	250.000	248.698	0.5	97	0.00
14 T	Allyl chloride	50.000	47.506	5.0	94	0.00
15 T	Acrylonitrile	250.000	240.274	3.9	90	0.00
16 T	Acetone	250.000	235.052	6.0	92	0.00
17 T	Carbon Disulfide	50.000	46.155	7.7	91	0.00
18 T	Methyl Acetate	50.000	47.651	4.7	92	0.00
19 T	Methyl tert-butyl Ether	50.000	48.819	2.4	96	0.00
20 T	Methylene Chloride	50.000	46.958	6.1	94	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.048	5.9	91	0.00
22 T	Diisopropyl ether	50.000	49.830	0.3	96	0.00
23 T	Vinyl Acetate	250.000	254.643	-1.9	96	0.00
24 P	1,1-Dichloroethane	50.000	47.814	4.4	94	0.00
25 T	2-Butanone	250.000	244.126	2.3	90	0.00
26 T	2,2-Dichloropropane	50.000	48.476	3.0	98	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.054	3.9	95	0.00
28 T	Bromochloromethane	50.000	42.406	15.2	84	0.00
29 T	Tetrahydrofuran	250.000	242.178	3.1	92	0.00
30 C	Chloroform	50.000	47.919	4.2#	96	0.00
31 T	Cyclohexane	50.000	47.412	5.2	94	0.00
32 T	1,1,1-Trichloroethane	50.000	47.601	4.8	94	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.640	2.7	96	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
35 S	Dibromofluoromethane	50.000	49.705	0.6	96	0.00
36 T	1,1-Dichloropropene	50.000	47.950	4.1	92	0.00
37 T	Ethyl Acetate	50.000	48.977	2.0	92	0.00
38 T	Carbon Tetrachloride	50.000	48.890	2.2	94	0.00
39 T	Methylcyclohexane	50.000	52.500	-5.0	97	0.00
40 TM	Benzene	50.000	49.466	1.1	94	0.00
41 T	Methacrylonitrile	50.000	51.920	-3.8	91	0.00
42 TM	1,2-Dichloroethane	50.000	51.582	-3.2	97	0.00
43 T	Isopropyl Acetate	50.000	51.503	-3.0	94	0.00
44 TM	Trichloroethene	50.000	49.838	0.3	95	0.00
45 C	1,2-Dichloropropane	50.000	50.862	-1.7#	96	0.00
46 T	Dibromomethane	50.000	50.583	-1.2	95	0.00
47 T	Bromodichloromethane	50.000	52.576	-5.2	98	0.00
48 T	Methyl methacrylate	50.000	52.037	-4.1	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044893.D
 Acq On : 11 Feb 2025 10:09
 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 12 02:36:31 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

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	1023.303	-2.3	92	0.00
50 S	Toluene-d8	50.000	50.049	-0.1	94	0.00
51 T	4-Methyl-2-Pentanone	250.000	258.917	-3.6	91	0.00
52 CM	Toluene	50.000	51.182	-2.4#	94	0.00
53 T	t-1,3-Dichloropropene	50.000	53.069	-6.1	97	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.044	-6.1	96	0.00
55 T	1,1,2-Trichloroethane	50.000	51.281	-2.6	96	0.00
56 T	Ethyl methacrylate	50.000	52.771	-5.5	94	0.00
57 T	1,3-Dichloropropane	50.000	51.191	-2.4	94	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	306.841	-22.7	108	0.00
59 T	2-Hexanone	250.000	259.830	-3.9	90	0.00
60 T	Dibromochloromethane	50.000	52.573	-5.1	96	0.00
61 T	1,2-Dibromoethane	50.000	51.469	-2.9	95	0.00
62 S	4-Bromofluorobenzene	50.000	51.425	-2.8	94	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64 T	Tetrachloroethene	50.000	47.492	5.0	95	0.00
65 PM	Chlorobenzene	50.000	48.859	2.3	94	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.166	1.7	94	0.00
67 C	Ethyl Benzene	50.000	49.568	0.9#	95	0.00
68 T	m/p-Xylenes	100.000	99.986	0.0	95	0.00
69 T	o-Xylene	50.000	49.270	1.5	96	0.00
70 T	Styrene	50.000	50.735	-1.5	94	0.00
71 P	Bromoform	50.000	51.218	-2.4	92	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73 T	Isopropylbenzene	50.000	49.263	1.5	95	0.00
74 T	N-ethyl acetate	50.000	51.000	-2.0	94	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	47.393	5.2	93	0.00
76 T	1,2,3-Trichloropropane	50.000	48.390	3.2	94	0.00
77 T	Bromobenzene	50.000	48.866	2.3	94	0.00
78 T	n-propylbenzene	50.000	50.565	-1.1	96	0.00
79 T	2-Chlorotoluene	50.000	47.642	4.7	92	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.408	1.2	94	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.096	1.8	93	0.00
82 T	4-Chlorotoluene	50.000	49.026	1.9	94	0.00
83 T	tert-Butylbenzene	50.000	49.817	0.4	96	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.496	-1.0	94	0.00
85 T	sec-Butylbenzene	50.000	50.355	-0.7	96	0.00
86 T	p-Isopropyltoluene	50.000	51.268	-2.5	96	0.00
87 T	1,3-Dichlorobenzene	50.000	49.304	1.4	95	0.00
88 T	1,4-Dichlorobenzene	50.000	48.277	3.4	94	0.00
89 T	n-Butylbenzene	50.000	53.540	-7.1	97	0.00
90 T	Hexachloroethane	50.000	50.129	-0.3	97	0.00
91 T	1,2-Dichlorobenzene	50.000	48.952	2.1	94	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.115	1.8	93	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.885	-1.8	97	0.00
94 T	Hexachlorobutadiene	50.000	50.316	-0.6	101	0.00
95 T	Naphthalene	50.000	50.417	-0.8	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
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 12 02:36:31 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.753	0.5	94	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.: Q1327 SAS No.: Q1327 SDG No.: Q1327

Instrument ID: MSVOA_X Calibration Date/Time: 02/11/2025 19:50

Lab File ID: VX044918.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	0.814	0.1	-4.68	50
Vinyl Chloride	0.827	0.810		-2.06	50
Bromomethane	0.247	0.249		0.81	50
Chloroethane	0.307	0.270		-12.05	50
Trichlorofluoromethane	1.046	1.025		-2.01	50
1,1,2-Trichlorotrifluoroethane	0.632	0.619		-2.06	50
1,1-Dichloroethene	0.644	0.623		-3.26	50
Acetone	0.294	0.305		3.74	50
Carbon Disulfide	1.767	1.618		-8.43	50
Methyl tert-butyl Ether	2.050	2.032		-0.88	50
Methylene Chloride	0.721	0.705		-2.22	50
trans-1,2-Dichloroethene	0.634	0.630		-0.63	50
1,1-Dichloroethane	1.233	1.221	0.1	-0.97	50
2-Butanone	0.478	0.501		4.81	50
Carbon Tetrachloride	0.460	0.434		-5.65	50
cis-1,2-Dichloroethene	0.762	0.753		-1.18	50
Chloroform	1.196	1.191		-0.42	50
1,1,1-Trichloroethane	1.014	0.996		-1.77	50
Methylcyclohexane	0.606	0.593		-2.14	50
Benzene	1.465	1.452		-0.89	50
1,2-Dichloroethane	0.467	0.479		2.57	50
Trichloroethene	0.335	0.327		-2.39	50
1,2-Dichloropropane	0.364	0.360		-1.1	50
Bromodichloromethane	0.489	0.494		1.02	50
4-Methyl-2-Pentanone	0.512	0.538		5.08	50
Toluene	0.872	0.876		0.46	50
t-1,3-Dichloropropene	0.495	0.479		-3.23	50
cis-1,3-Dichloropropene	0.552	0.542		-1.81	50
1,1,2-Trichloroethane	0.335	0.336		0.3	50
2-Hexanone	0.369	0.396		7.32	50
Dibromochloromethane	0.359	0.359		0	50
Tetrachloroethene	0.315	0.295		-6.35	50
Chlorobenzene	1.074	1.035	0.3	-3.63	50
Ethyl Benzene	1.895	1.868		-1.42	50
m/p-Xylenes	0.699	0.685		-2	50
o-Xylene	0.701	0.680		-3	50
Styrene	1.130	1.139		0.8	50
Bromoform	0.258	0.253	0.1	-1.94	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.: Q1327 SAS No.: Q1327 SDG No.: Q1327

Instrument ID: MSVOA_X Calibration Date/Time: 02/11/2025 19:50

Lab File ID: VX044918.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	4.019		-0.17	50
1,1,2,2-Tetrachloroethane	1.383	1.357	0.3	-1.88	50
1,3-Dichlorobenzene	1.678	1.635		-2.56	50
1,4-Dichlorobenzene	1.697	1.629		-4.01	50
1,2-Dichlorobenzene	1.650	1.651		0.06	50
1,2-Dichloroethane-d4	0.732	0.764		4.37	50
Dibromofluoromethane	0.325	0.335		3.08	50
Toluene-d8	1.229	1.258		2.36	50
4-Bromofluorobenzene	0.414	0.434		4.83	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\VX021125\
 Data File : VX044918.D
 Acq On : 11 Feb 2025 19:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/12/2025
 Supervised By : Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 02:47:38 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	114065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	208728	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	185334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87095	52.162	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.320%			
35) Dibromofluoromethane	5.379	113	69917	51.520	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.040%			
50) Toluene-d8	8.647	98	262476	51.148	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.300%			
62) 4-Bromofluorobenzene	11.079	95	90574	52.355	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	79061	49.419	ug/l	99
3) Chloromethane	1.301	50	92827	47.674	ug/l	96
4) Vinyl Chloride	1.374	62	92352	48.959	ug/l	100
5) Bromomethane	1.593	94	28374	50.267	ug/l	95
6) Chloroethane	1.660	64	30841	40.693	ug/l	100
7) Trichlorofluoromethane	1.868	101	116867	48.991	ug/l	100
8) Diethyl Ether	2.136	74	42851	49.531	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	70557	48.954	ug/l	99
10) Methyl Iodide	2.441	142	95185	50.957	ug/l	100
11) Tert butyl alcohol	2.995	59	77516	250.247	ug/l #	84
12) 1,1-Dichloroethene	2.307	96	71063	48.335	ug/l	95
13) Acrolein	2.233	56	84172	263.373	ug/l	99
14) Allyl chloride	2.654	41	125975	47.412	ug/l	98
15) Acrylonitrile	3.062	53	210792	254.873	ug/l	98
16) Acetone	2.386	43	173889	259.058	ug/l	99
17) Carbon Disulfide	2.502	76	184565	45.780	ug/l	100
18) Methyl Acetate	2.703	43	109515	51.703	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	231822	49.559	ug/l	100
20) Methylene Chloride	2.782	84	80471	48.945	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	71823	49.636	ug/l	99
22) Diisopropyl ether	3.757	45	255564	50.840	ug/l	96
23) Vinyl Acetate	3.715	43	1043434	254.613	ug/l	100
24) 1,1-Dichloroethane	3.605	63	139303	49.527	ug/l	99
25) 2-Butanone	4.556	43	285853	262.259	ug/l	97
26) 2,2-Dichloropropane	4.471	77	91644	41.086	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	85866	49.402	ug/l	98
28) Bromochloromethane	4.885	49	60252	44.575	ug/l	98
29) Tetrahydrofuran	5.001	42	188839	260.913	ug/l	99
30) Chloroform	5.087	83	135857	49.806	ug/l	97
31) Cyclohexane	5.464	56	122435	47.217	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	113617	49.107	ug/l	99
36) 1,1-Dichloropropene	5.684	75	91970	46.974	ug/l	98
37) Ethyl Acetate	4.709	43	110417	50.702	ug/l	100
38) Carbon Tetrachloride	5.666	117	90581	47.211	ug/l	98
39) Methylcyclohexane	7.373	83	123769	48.896	ug/l	97
40) Benzene	6.031	78	303089	49.575	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044918.D
 Acq On : 11 Feb 2025 19:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/12/2025
 Supervised By : Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 02:47:38 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	62585	53.690	ug/l	99
42) 1,2-Dichloroethane	6.080	62	99909	51.275	ug/l	100
43) Isopropyl Acetate	6.336	43	177546	50.486	ug/l	99
44) Trichloroethene	7.123	130	68162	48.777	ug/l	98
45) 1,2-Dichloropropane	7.428	63	75229	49.460	ug/l	99
46) Dibromomethane	7.574	93	53323	50.552	ug/l	99
47) Bromodichloromethane	7.818	83	103091	50.475	ug/l	97
48) Methyl methacrylate	7.690	41	86162	51.962	ug/l	99
49) 1,4-Dioxane	7.665	88	37602	1056.949	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	561087	262.440	ug/l	99
52) Toluene	8.714	92	182775	50.199	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	99925	48.347	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	113036	49.051	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	70192	50.149	ug/l	98
56) Ethyl methacrylate	9.116	69	115029	50.884	ug/l	98
57) 1,3-Dichloropropane	9.305	76	123396	50.387	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	291354	262.486	ug/l	99
59) 2-Hexanone	9.427	43	413528	268.451	ug/l	98
60) Dibromochloromethane	9.519	129	74939	50.063	ug/l	98
61) 1,2-Dibromoethane	9.604	107	72417	51.047	ug/l	98
64) Tetrachloroethene	9.269	164	54627	46.738	ug/l	95
65) Chlorobenzene	10.079	112	191785	48.179	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	61604	48.081	ug/l	100
67) Ethyl Benzene	10.189	91	346217	49.286	ug/l	99
68) m/p-Xylenes	10.299	106	253750	97.924	ug/l	97
69) o-Xylene	10.640	106	126016	48.465	ug/l	98
70) Styrene	10.653	104	211083	50.389	ug/l	99
71) Bromoform	10.799	173	46897	49.045	ug/l #	100
73) Isopropylbenzene	10.957	105	325195	49.916	ug/l	100
74) N-amyl acetate	10.842	43	151270	51.312	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	109803	49.048	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	89430m	49.852	ug/l	
77) Bromobenzene	11.195	156	73059	49.464	ug/l	99
78) n-propylbenzene	11.299	91	379500	50.468	ug/l	100
79) 2-Chlorotoluene	11.360	91	223727	48.410	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	267127	50.528	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	31501	45.171	ug/l	96
82) 4-Chlorotoluene	11.451	91	257507	50.364	ug/l	100
83) tert-Butylbenzene	11.713	119	265793	49.697	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	266991	51.168	ug/l	100
85) sec-Butylbenzene	11.890	105	334004	50.433	ug/l	100
86) p-Isopropyltoluene	12.006	119	269485	50.599	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	132254	48.692	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	131837	48.007	ug/l	99
89) n-Butylbenzene	12.329	91	242069	51.376	ug/l	99
90) Hexachloroethane	12.536	117	47525	47.657	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	133599	50.047	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20660	50.565	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	79706	49.345	ug/l	99
94) Hexachlorobutadiene	13.725	225	30093	46.929	ug/l	99
95) Naphthalene	13.774	128	299256	51.251	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	80826	49.658	ug/l	98

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Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 02:47:38 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

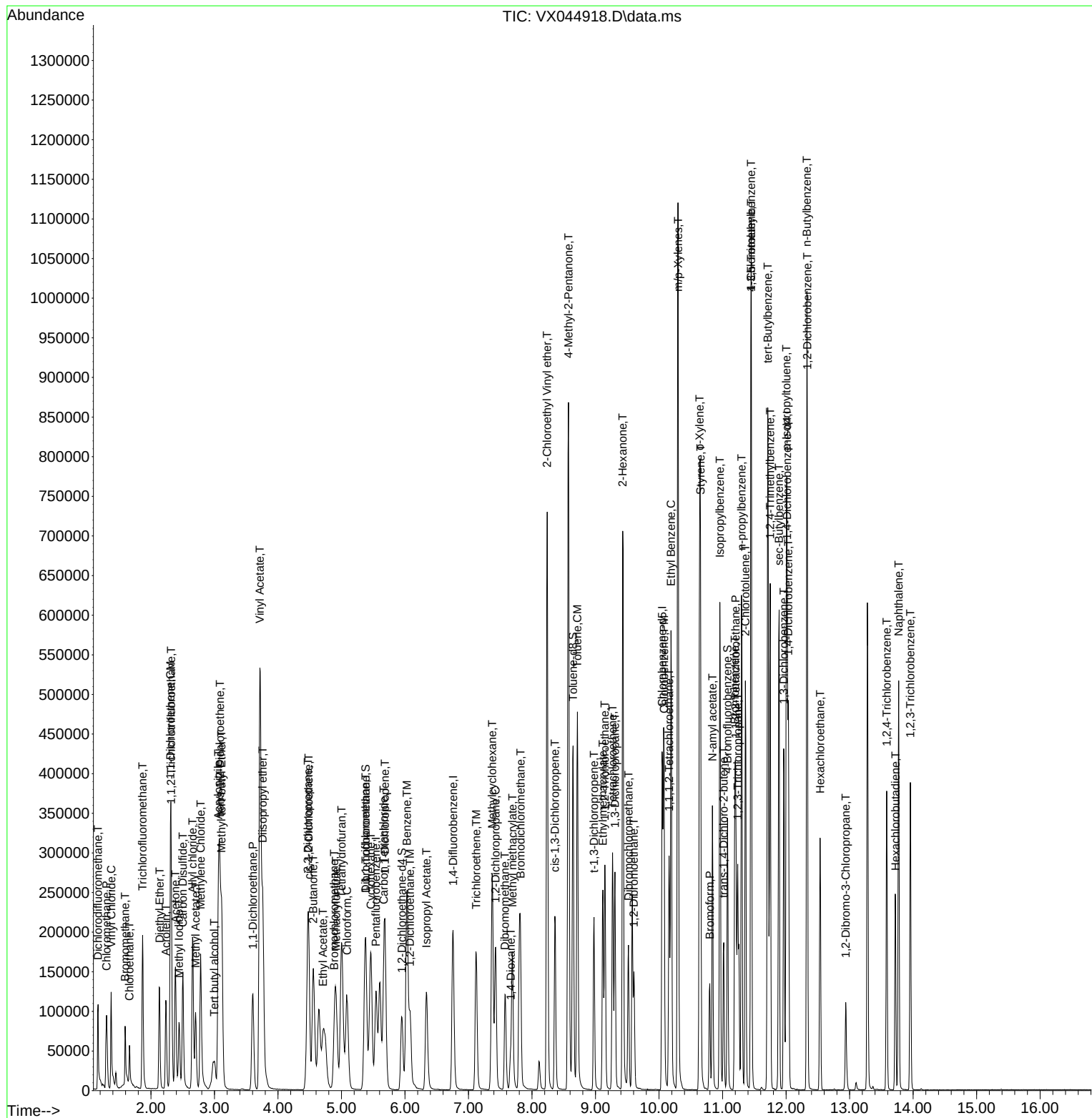
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 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

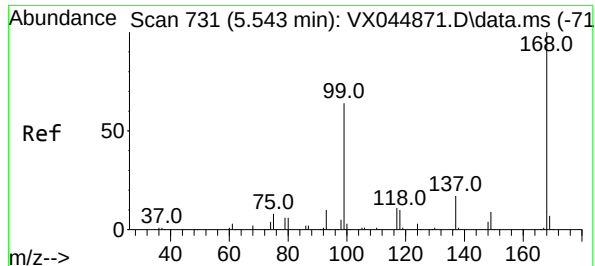
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 02/12/2025
 Supervised By :Mahesh Dadoda 02/12/2025

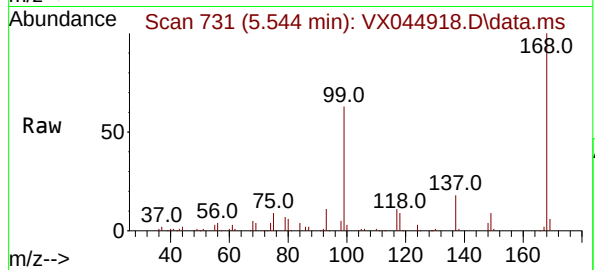
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 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.001 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

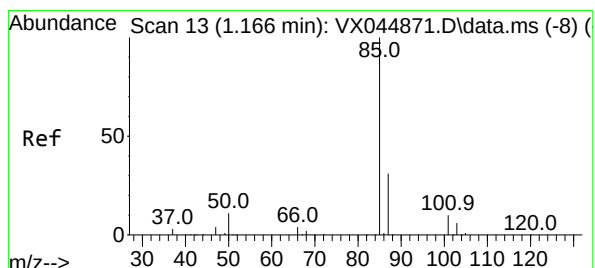
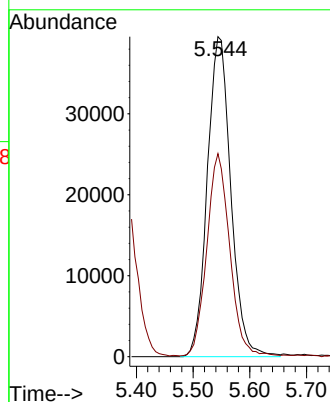
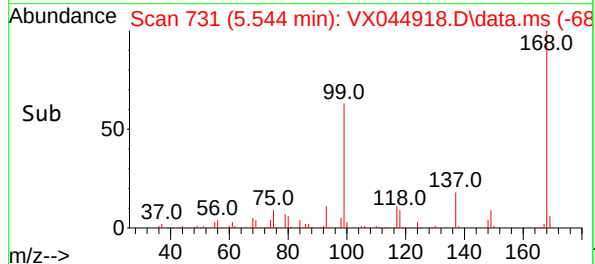
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:168 Resp: 114061
Ion Ratio Lower Upper
168 100
99 63.2 51.2 76.8

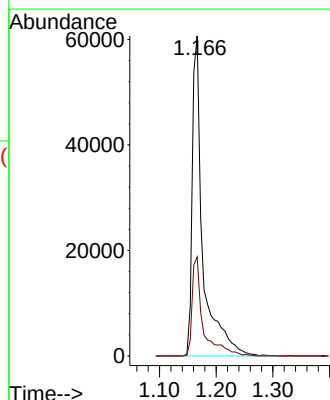
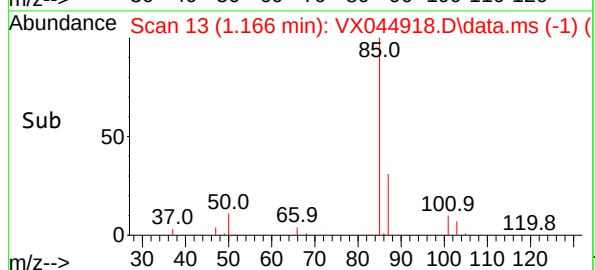
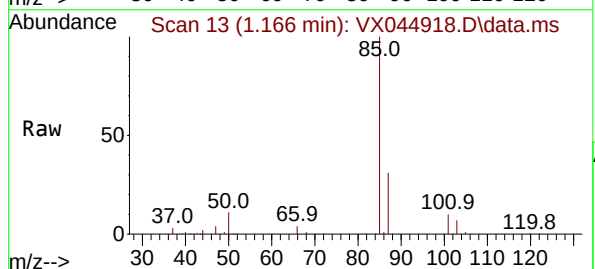
Manual Integrations
APPROVED

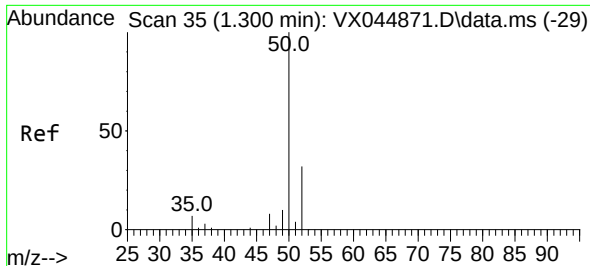
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#2
Dichlorodifluoromethane
Concen: 49.419 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

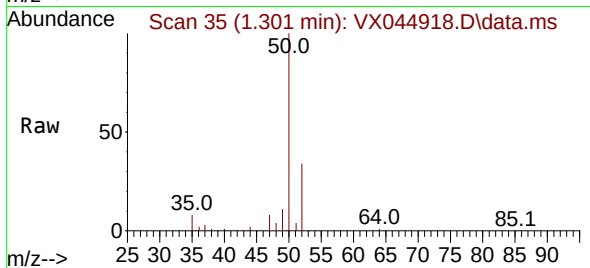
Tgt Ion: 85 Resp: 79061
Ion Ratio Lower Upper
85 100
87 31.0 15.8 47.3





#3
Chloromethane
Concen: 47.674 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

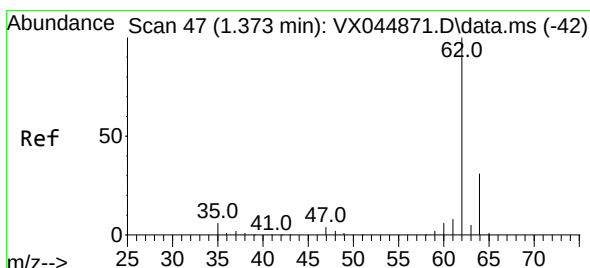
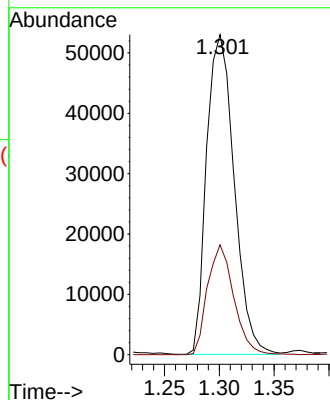
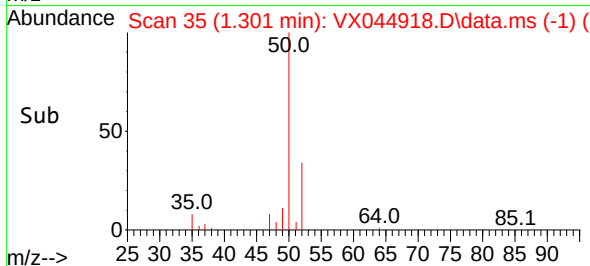
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 50 Resp: 9282
Ion Ratio Lower Upper
50 100
52 34.4 25.9 38.9

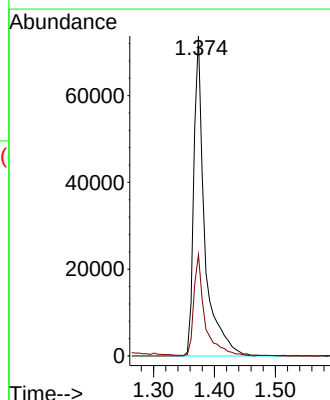
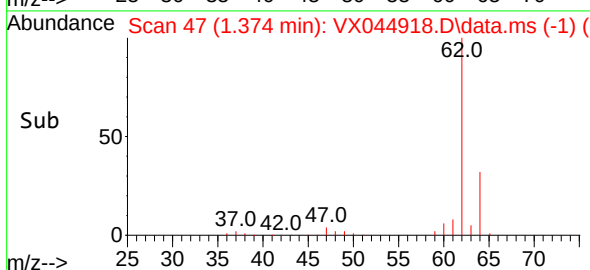
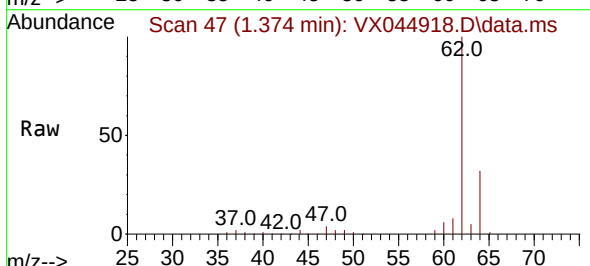
Manual Integrations
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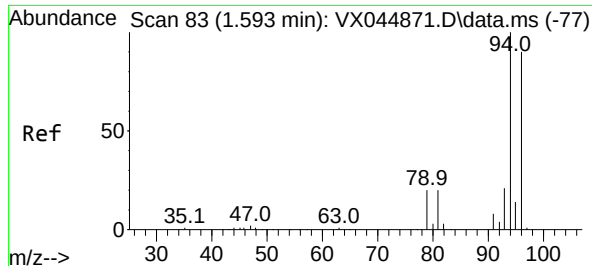
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#4
Vinyl Chloride
Concen: 48.959 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

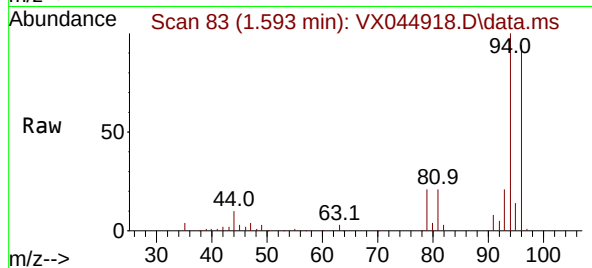
Tgt Ion: 62 Resp: 92352
Ion Ratio Lower Upper
62 100
64 31.5 25.4 38.0





#5
Bromomethane
Concen: 50.267 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

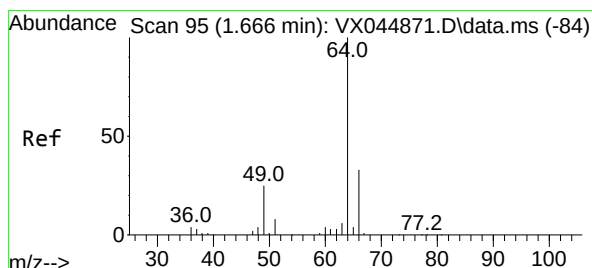
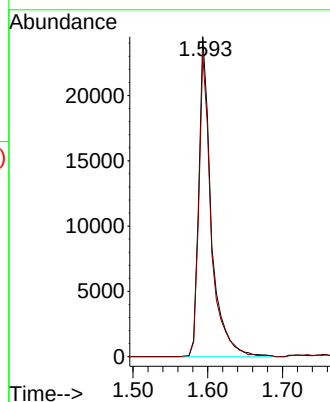
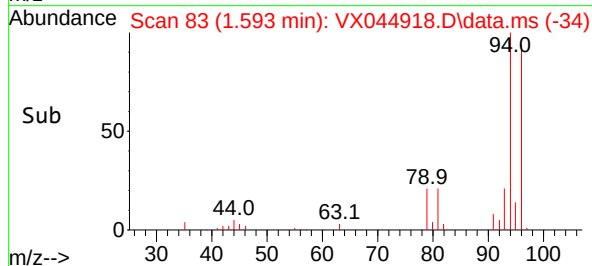
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 94 Resp: 28374
Ion Ratio Lower Upper
94 100
96 94.4 71.6 107.4

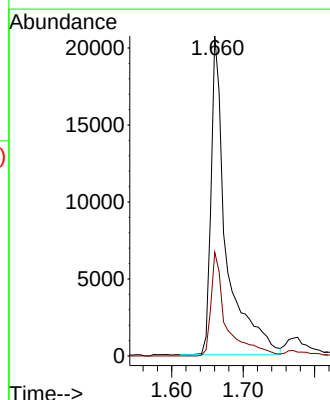
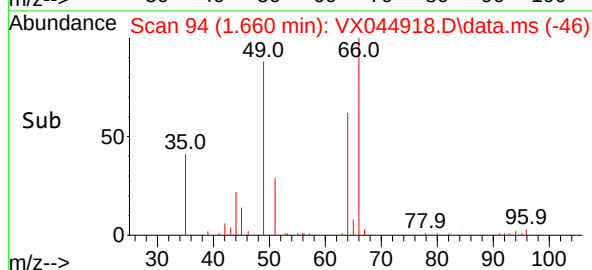
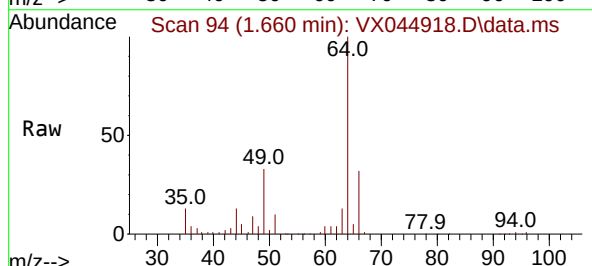
Manual Integrations
APPROVED

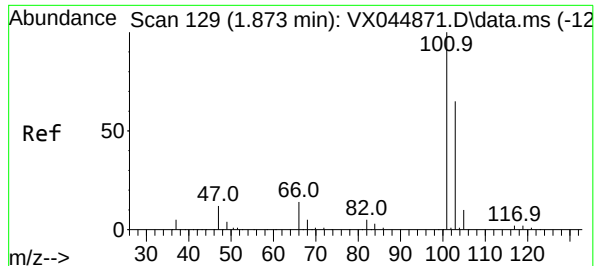
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#6
Chloroethane
Concen: 40.693 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

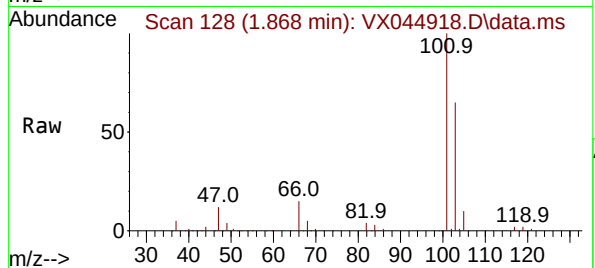
Tgt Ion: 64 Resp: 30841
Ion Ratio Lower Upper
64 100
66 32.5 25.9 38.9





#7
Trichlorofluoromethane
Concen: 48.991 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.005 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

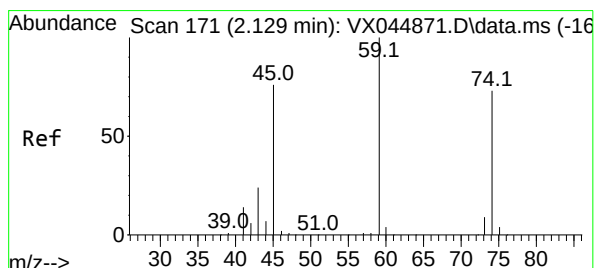
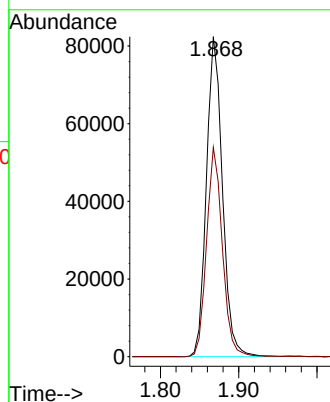
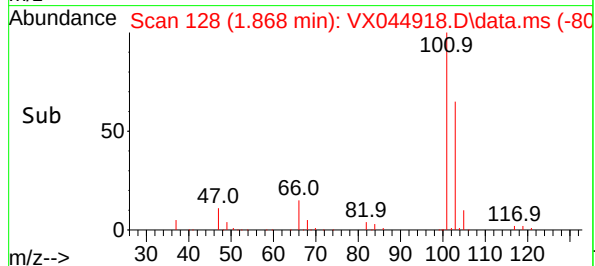
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:101 Resp: 11686
Ion Ratio Lower Upper
101 100
103 65.4 52.4 78.6

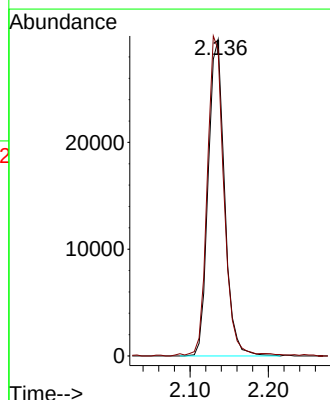
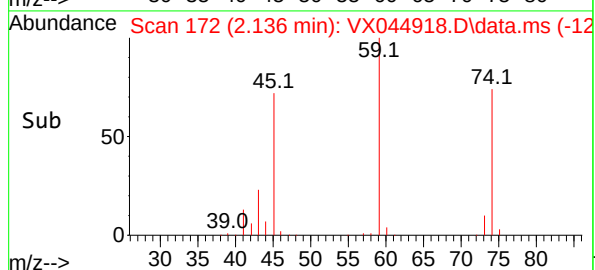
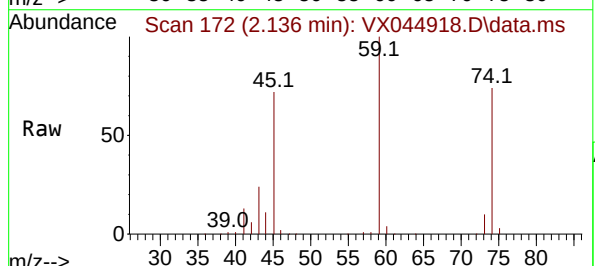
Manual Integrations
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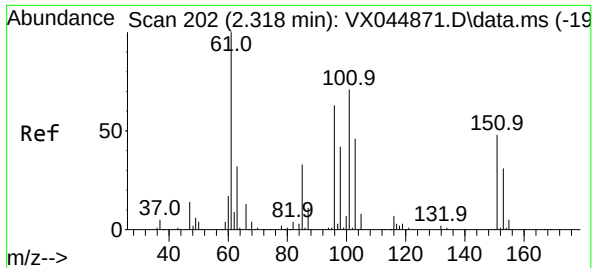
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#8
Diethyl Ether
Concen: 49.531 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.007 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 74 Resp: 42851
Ion Ratio Lower Upper
74 100
45 103.9 51.1 153.4





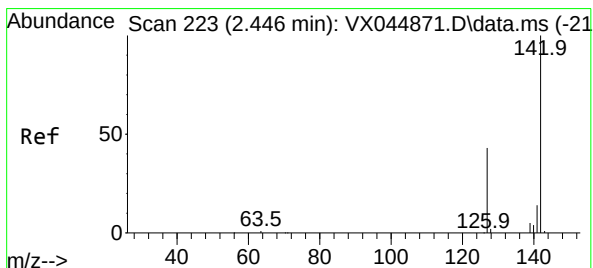
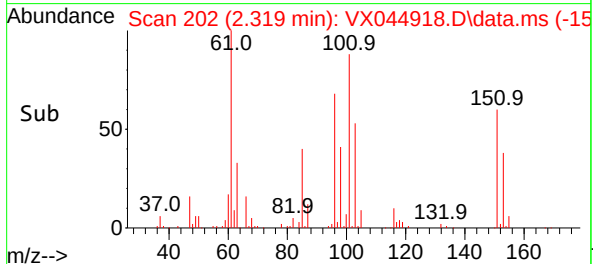
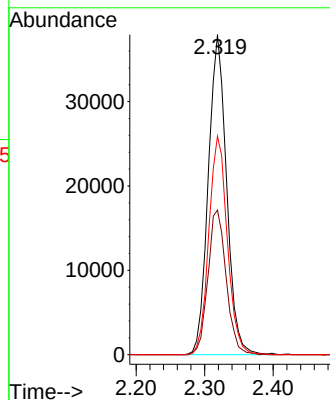
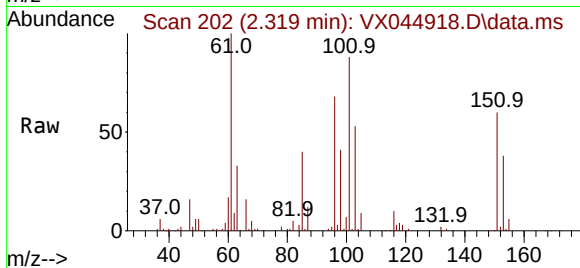
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.954 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 7055
Ion Ratio Lower Upper
101 100
85 45.2 35.7 53.5
151 68.9 56.0 84.0

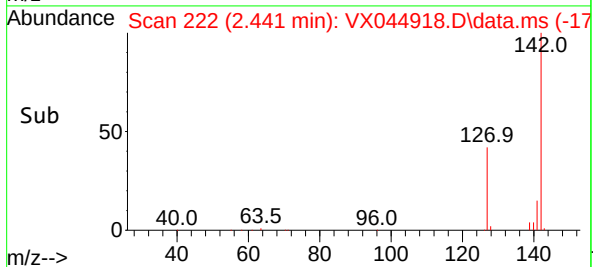
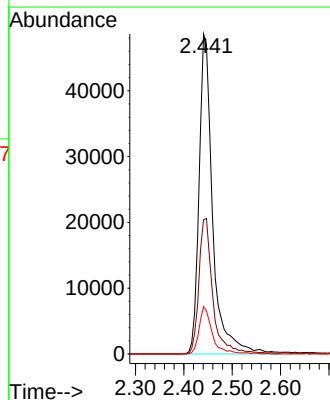
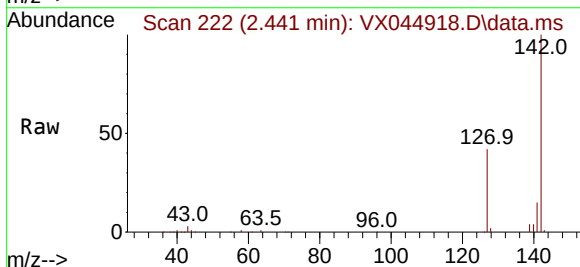
Manual Integrations
APPROVED

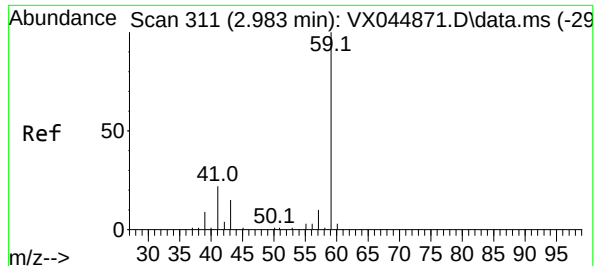
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#10
Methyl Iodide
Concen: 50.957 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:142 Resp: 95185
Ion Ratio Lower Upper
142 100
127 43.2 34.3 51.5
141 14.3 11.4 17.2





#11

Tert butyl alcohol

Concen: 250.247 ug/l

RT: 2.995 min Scan# 311

Delta R.T. 0.013 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 77510

Ion Ratio Lower Upper

59 100

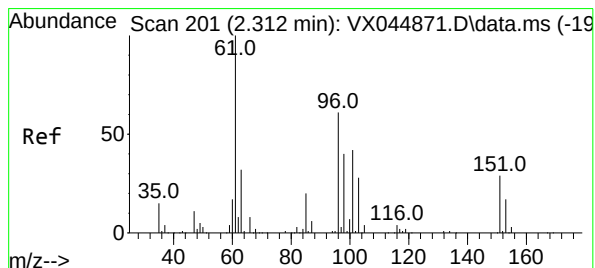
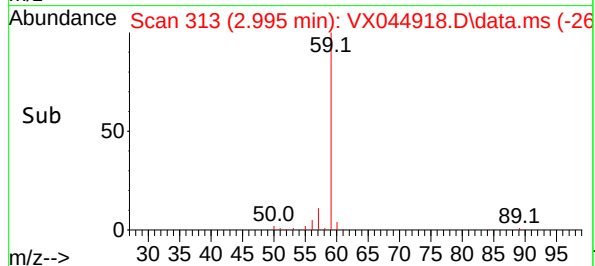
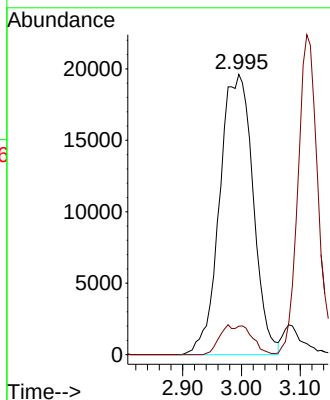
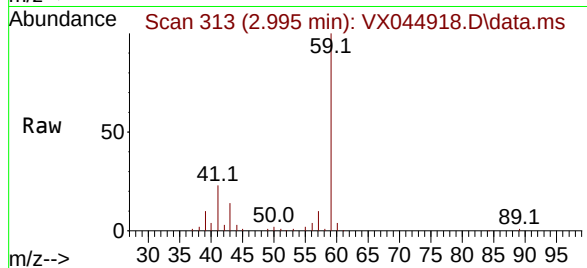
57 4.2 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#12

1,1-Dichloroethene

Concen: 48.335 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

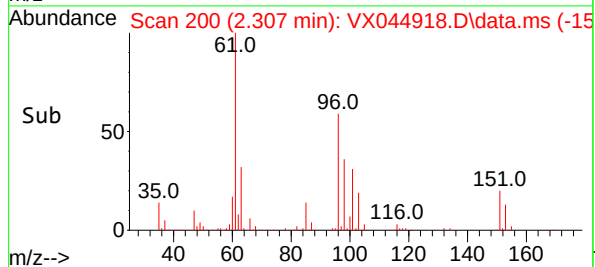
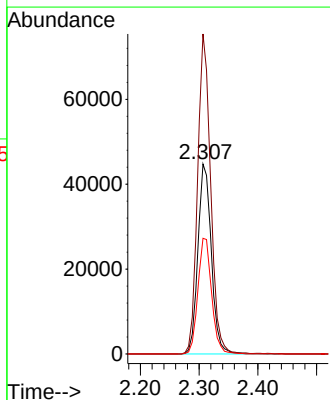
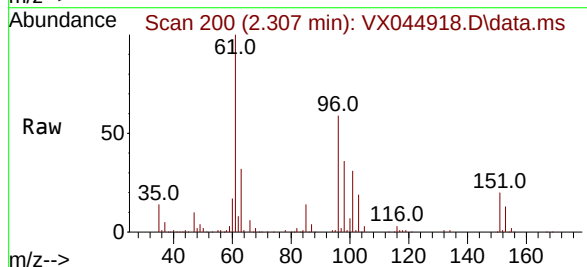
Tgt Ion: 96 Resp: 71063

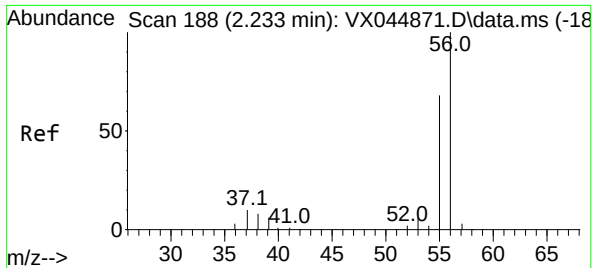
Ion Ratio Lower Upper

96 100

61 168.5 130.2 195.4

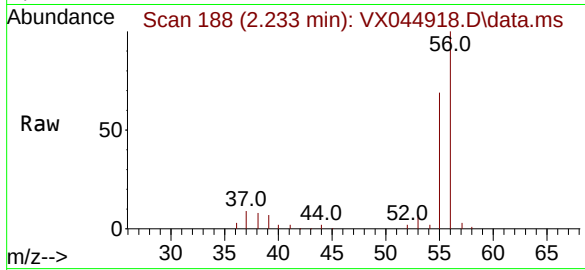
98 60.9 52.2 78.4





#13
Acrolein
Concen: 263.373 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

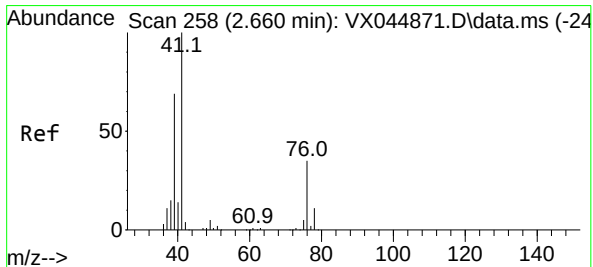
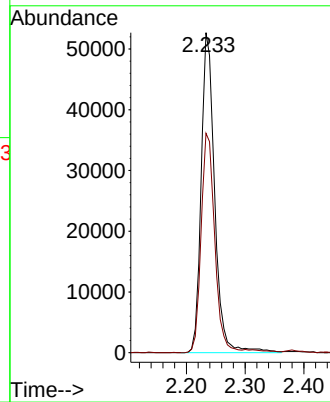
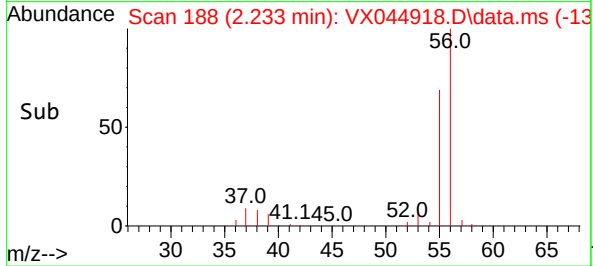
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 56 Resp: 84172
Ion Ratio Lower Upper
56 100
55 69.1 55.7 83.5

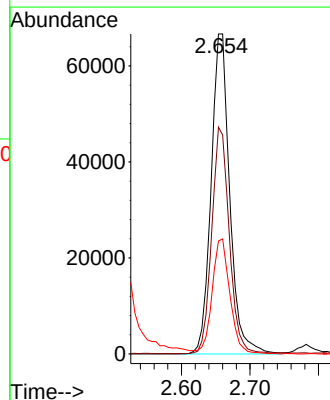
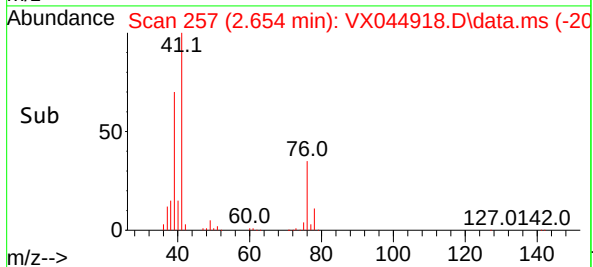
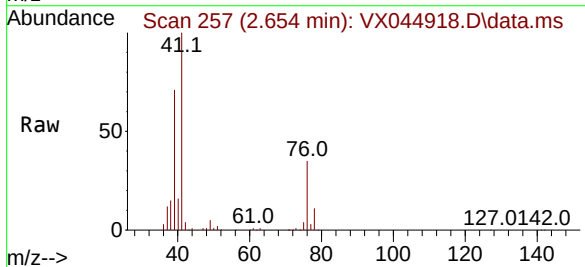
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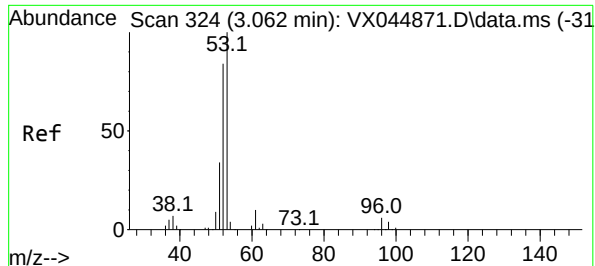
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#14
Allyl chloride
Concen: 47.412 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 41 Resp: 125975
Ion Ratio Lower Upper
41 100
39 66.5 51.4 77.2
76 34.4 27.0 40.4





#15

Acrylonitrile

Concen: 254.873 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 53 Resp: 210792

Ion Ratio Lower Upper

53 100

52 83.1 65.0 97.6

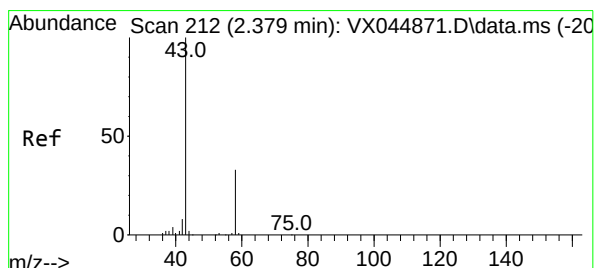
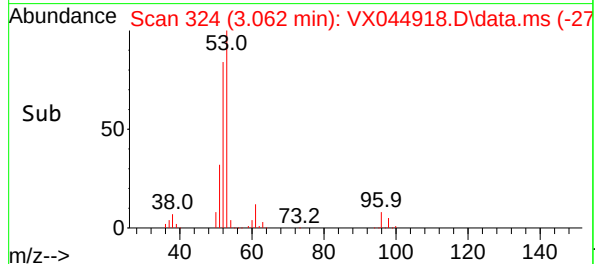
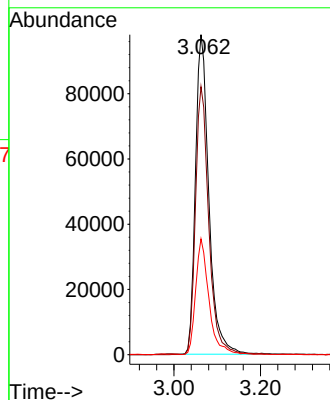
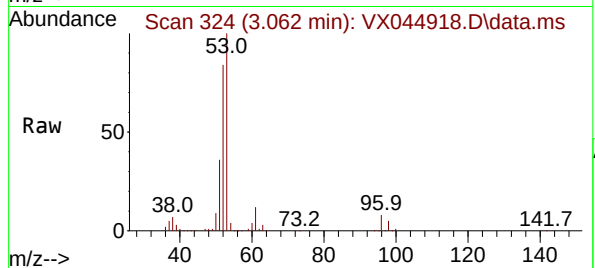
51 35.7 28.0 42.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#16

Acetone

Concen: 259.058 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX044918.D

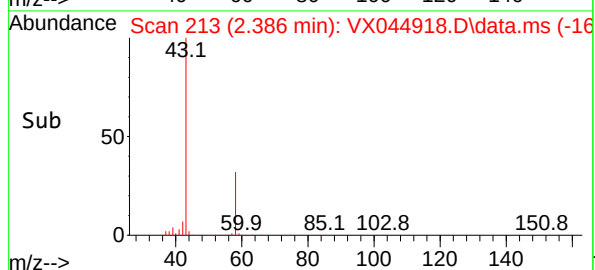
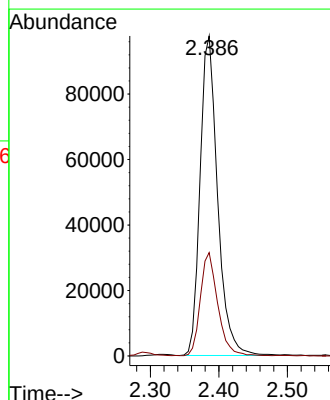
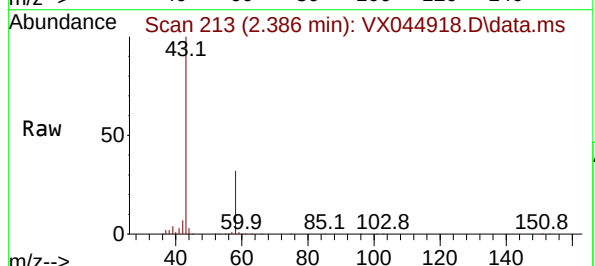
Acq: 11 Feb 2025 19:50

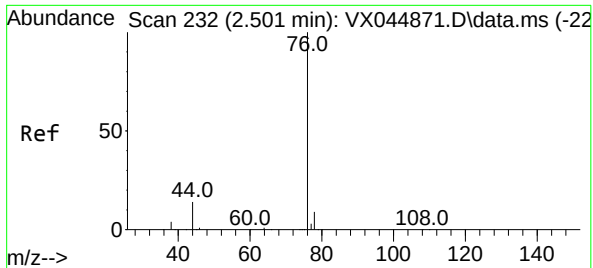
Tgt Ion: 43 Resp: 173889

Ion Ratio Lower Upper

43 100

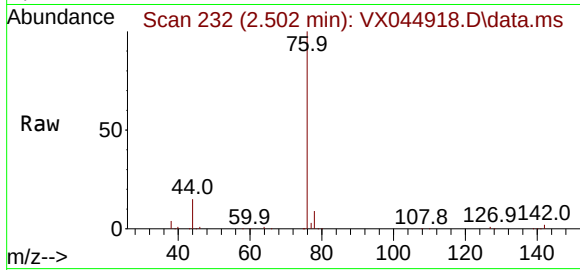
58 32.3 26.5 39.7





#17
Carbon Disulfide
Concen: 45.780 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

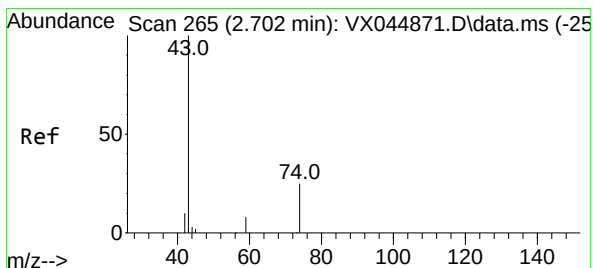
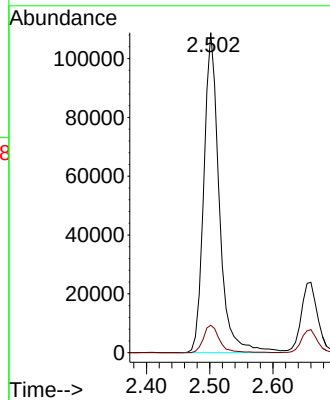
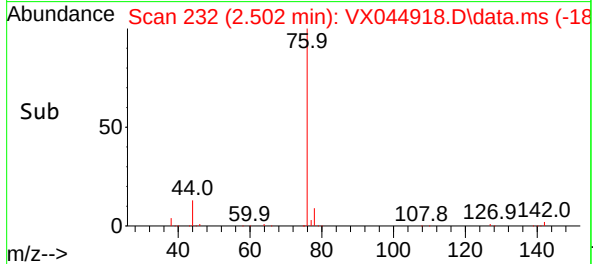
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 76 Resp: 18456
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.4

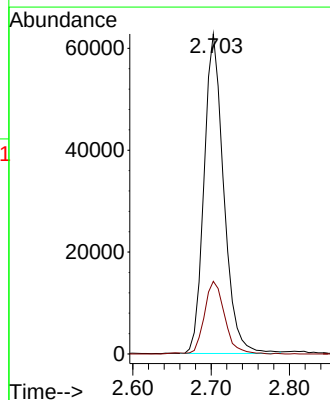
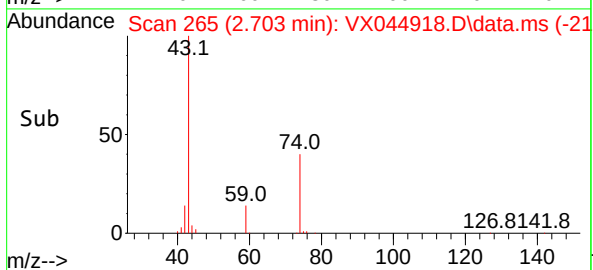
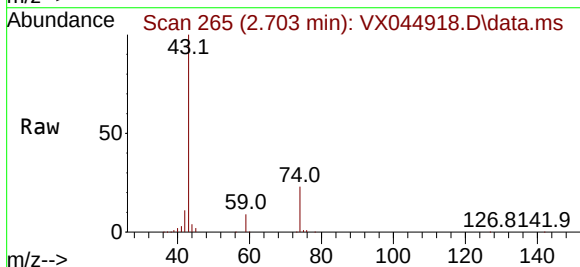
Manual Integrations
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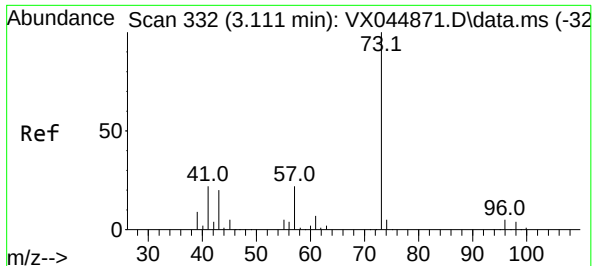
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#18
Methyl Acetate
Concen: 51.703 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 43 Resp: 109515
Ion Ratio Lower Upper
43 100
74 23.3 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 49.559 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 23182

Ion Ratio Lower Upper

73 100

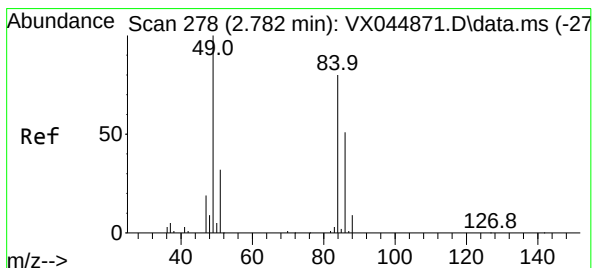
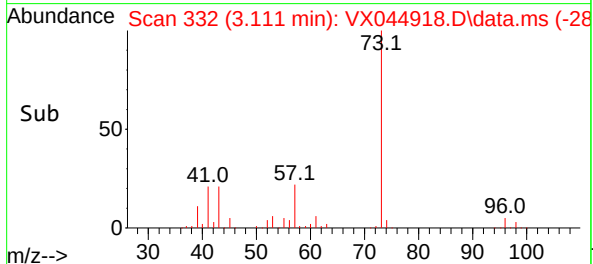
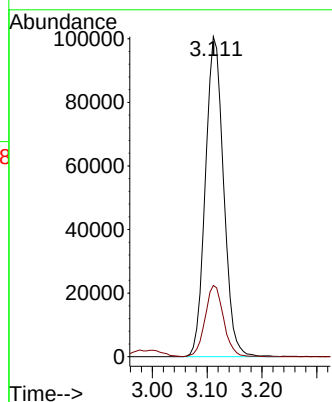
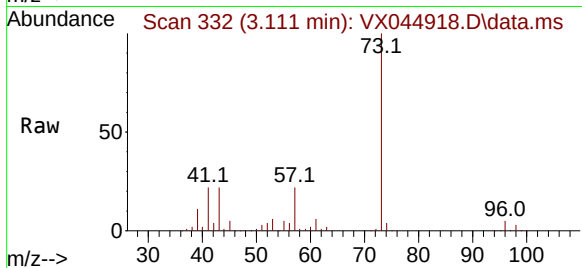
57 22.2 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#20

Methylene Chloride

Concen: 48.945 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Tgt Ion: 84 Resp: 80471

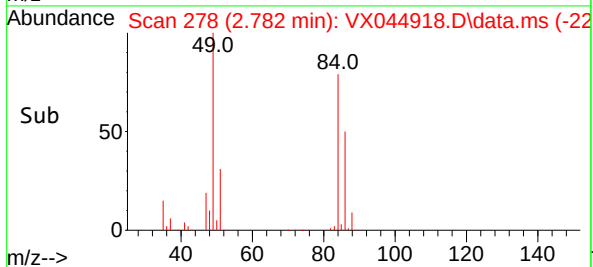
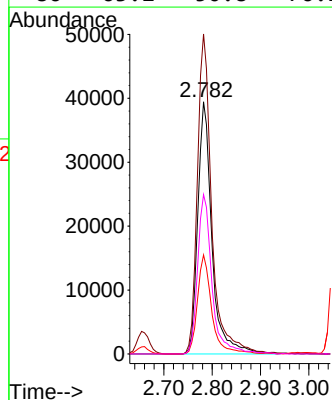
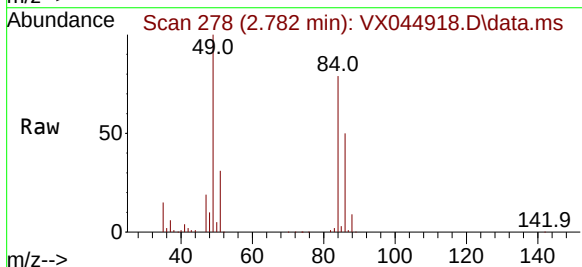
Ion Ratio Lower Upper

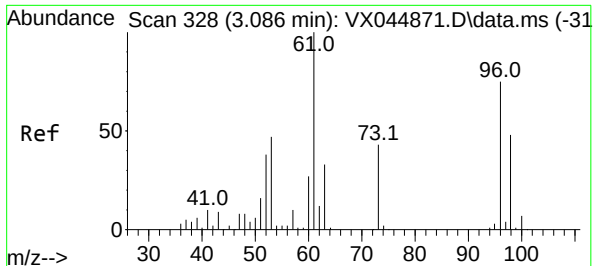
84 100

49 126.9 100.1 150.1

51 39.3 31.7 47.5

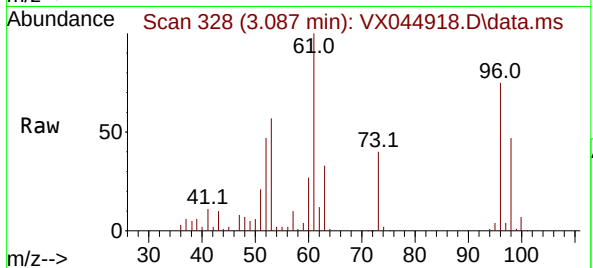
86 63.2 50.8 76.2





#21
trans-1,2-Dichloroethene
Concen: 49.636 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

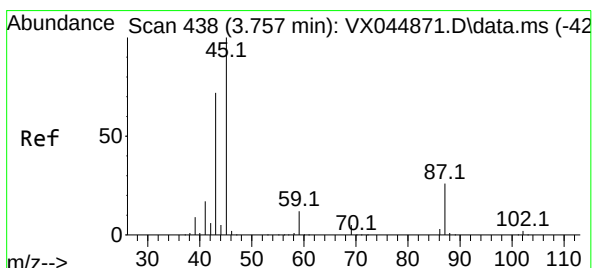
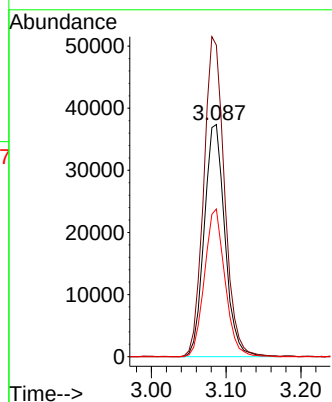
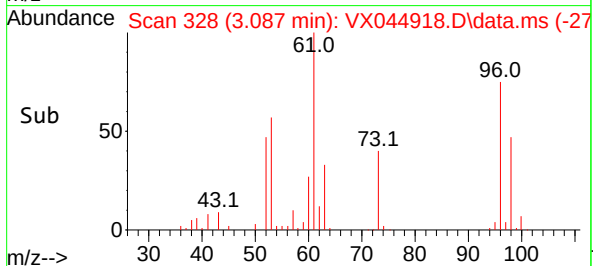
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 96 Resp: 7182
Ion Ratio Lower Upper
96 100
61 134.2 106.0 159.0
98 63.6 50.6 76.0

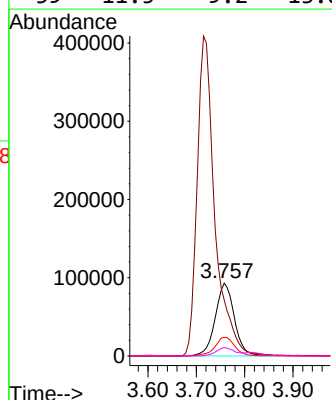
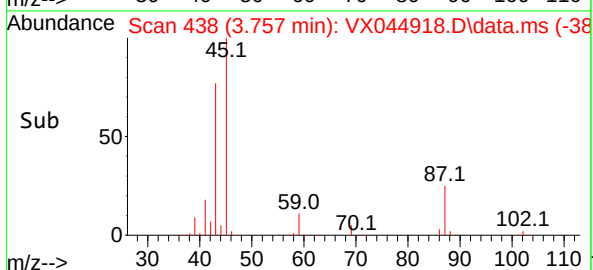
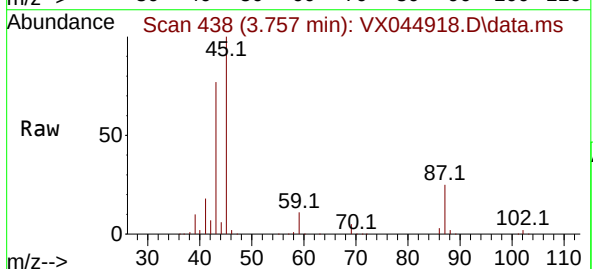
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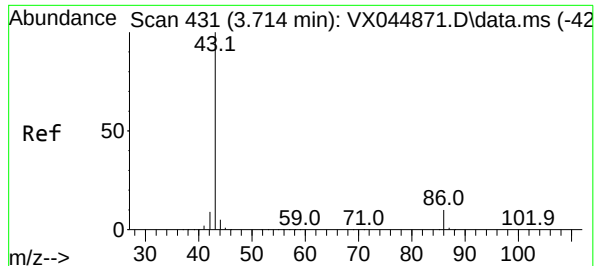
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#22
Diisopropyl ether
Concen: 50.840 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 45 Resp: 255564
Ion Ratio Lower Upper
45 100
43 76.9 58.0 87.0
87 25.5 20.7 31.1
59 11.5 9.2 13.8





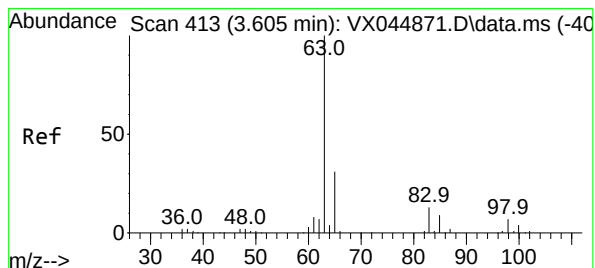
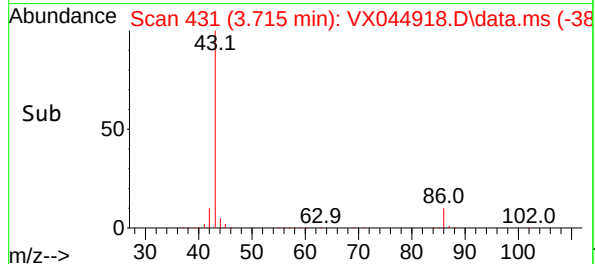
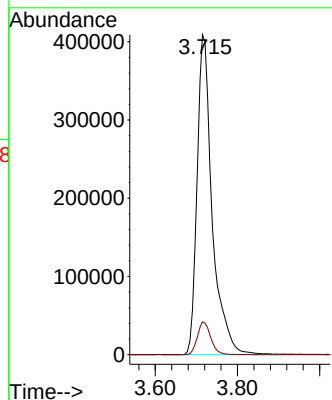
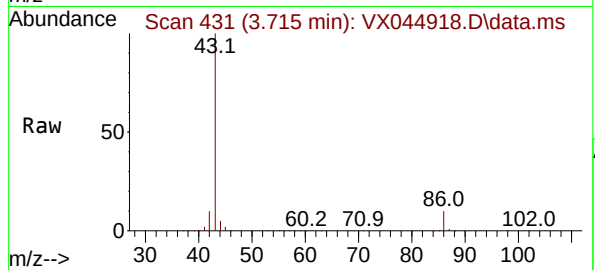
#23
Vinyl Acetate
Concen: 254.613 ug/l
RT: 3.715 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 104343
Ion Ratio Lower Upper
43 100
86 10.2 8.3 12.5

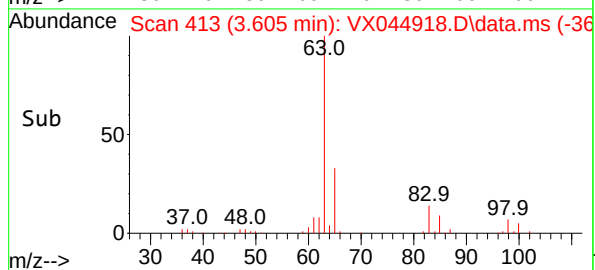
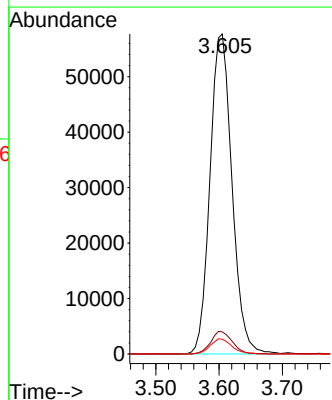
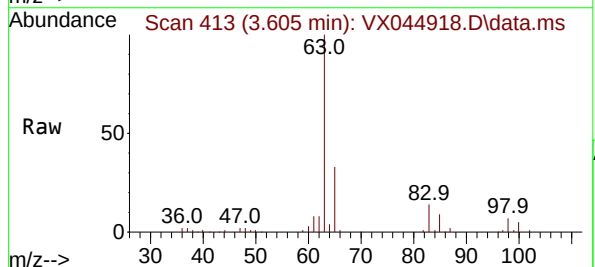
Manual Integrations
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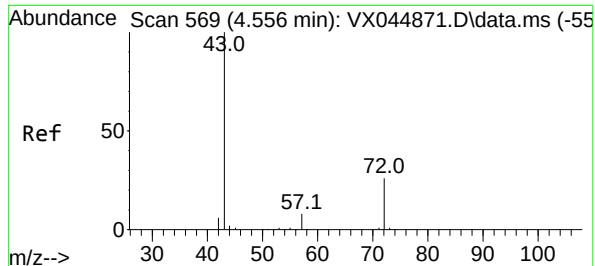
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#24
1,1-Dichloroethane
Concen: 49.527 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 63 Resp: 139303
Ion Ratio Lower Upper
63 100
98 6.9 3.3 9.9
100 4.6 2.1 6.5





#25

2-Butanone

Concen: 262.259 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 28585

Ion Ratio Lower Upper

43 100

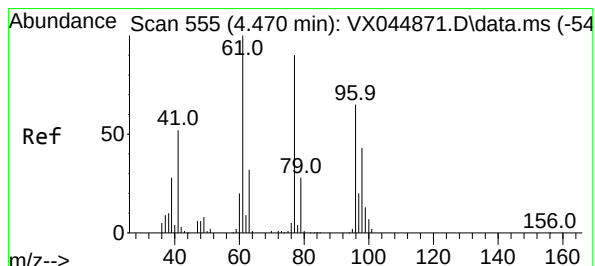
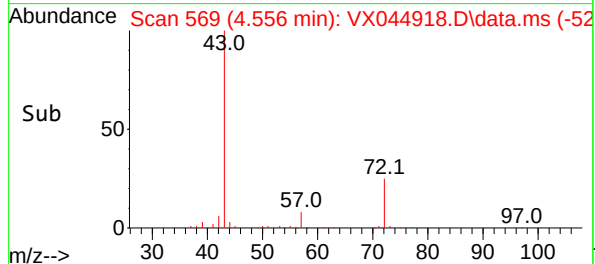
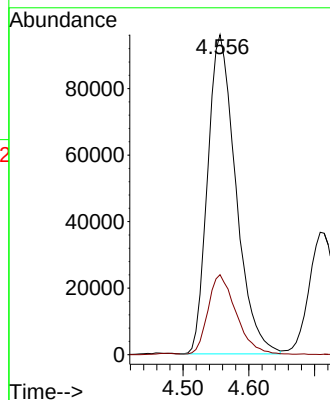
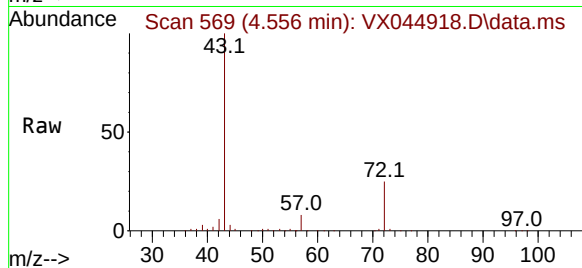
72 24.8 21.2 31.8

Manual Integrations

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Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#26

2,2-Dichloropropane

Concen: 41.086 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX044918.D

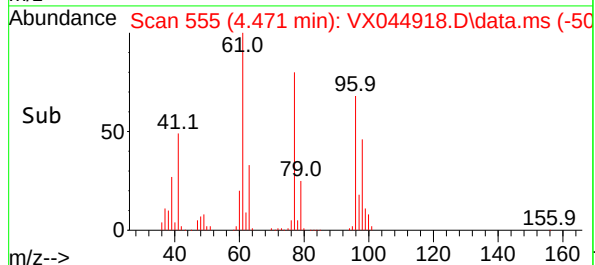
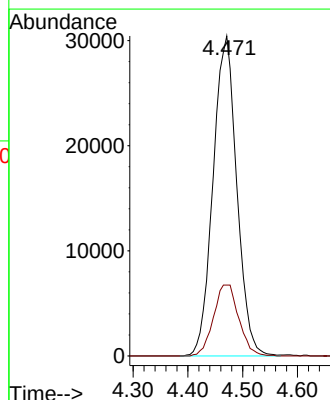
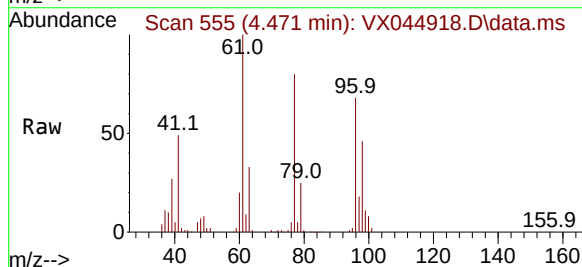
Acq: 11 Feb 2025 19:50

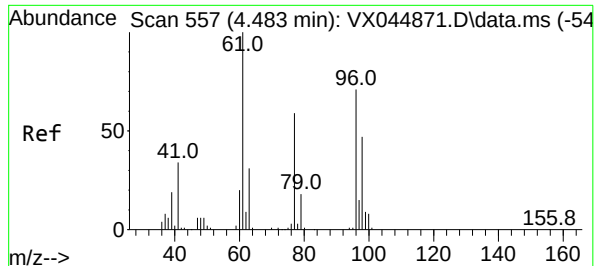
Tgt Ion: 77 Resp: 91644

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 49.402 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 8586

Ion Ratio Lower Upper

96 100

61 143.7 0.0 294.0

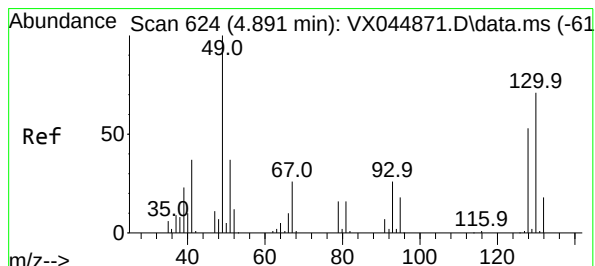
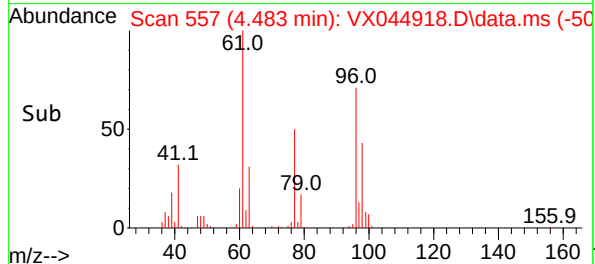
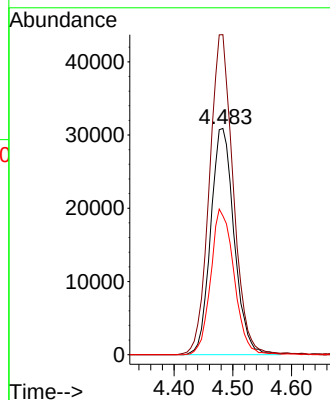
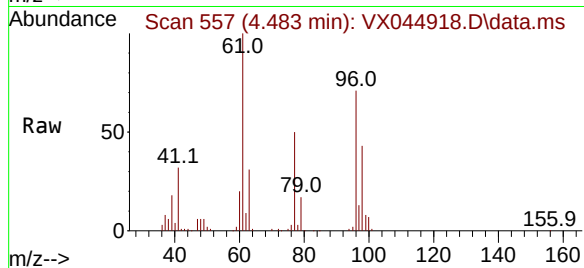
98 64.0 0.0 131.2

Manual Integrations

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Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#28

Bromochloromethane

Concen: 44.575 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

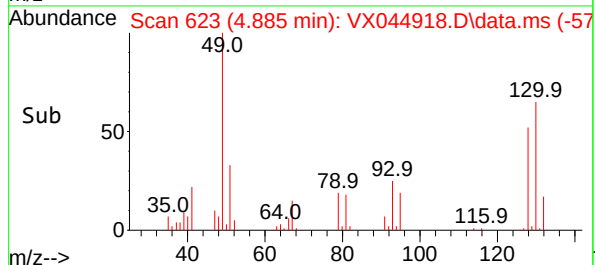
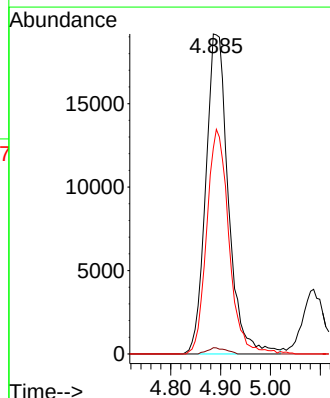
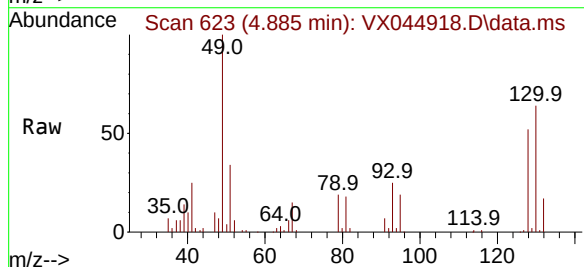
Tgt Ion: 49 Resp: 60252

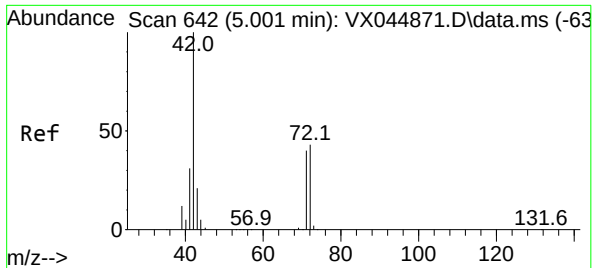
Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.6

130 69.4 56.7 85.1





#29

Tetrahydrofuran

Concen: 260.913 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 188839

Ion Ratio Lower Upper

42 100

72 43.2 35.0 52.4

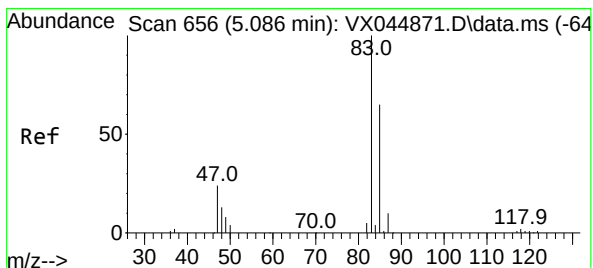
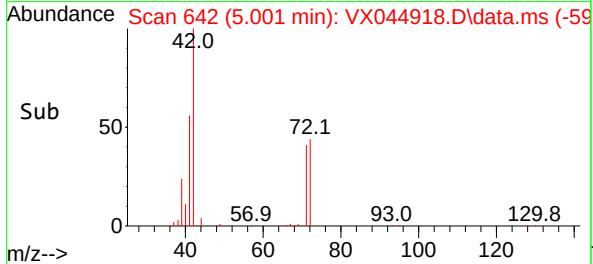
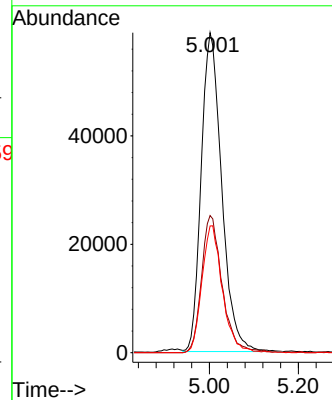
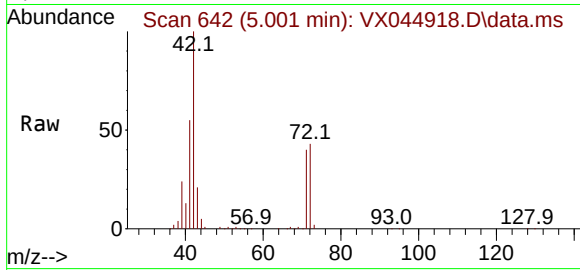
71 39.6 32.6 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#30

Chloroform

Concen: 49.806 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044918.D

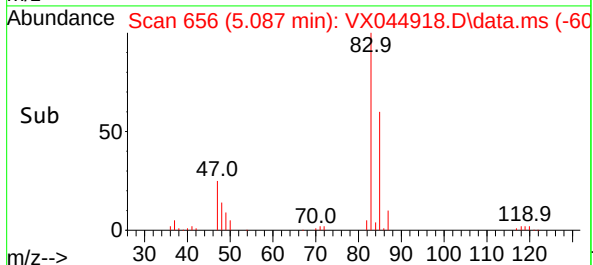
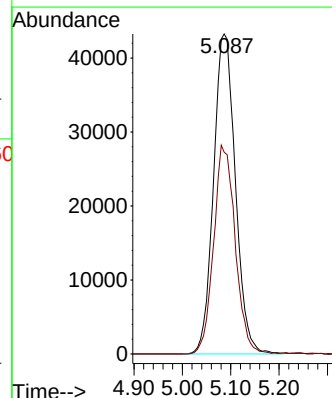
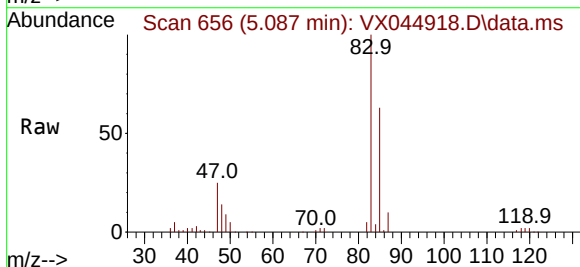
Acq: 11 Feb 2025 19:50

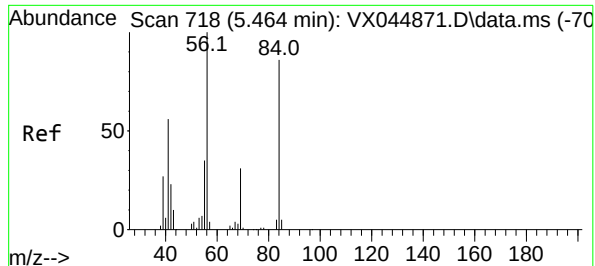
Tgt Ion: 83 Resp: 135857

Ion Ratio Lower Upper

83 100

85 63.1 52.1 78.1





#31

Cyclohexane

Concen: 47.217 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX044918.D

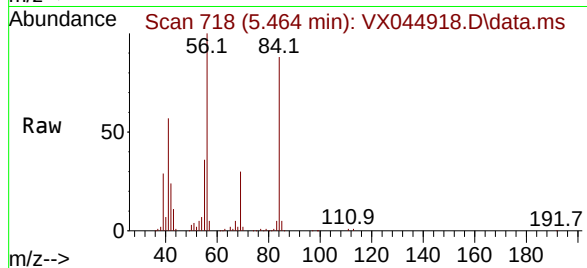
Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 56 Resp: 12243

Ion Ratio Lower Upper

56 100

69 30.5 24.4 36.6

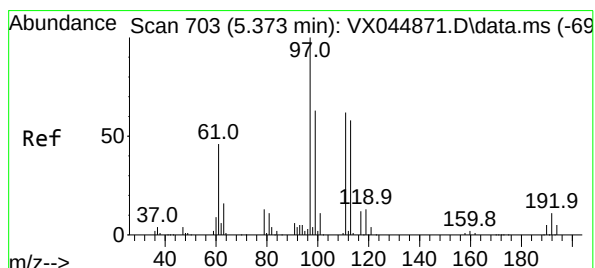
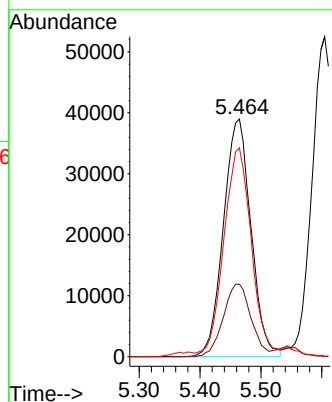
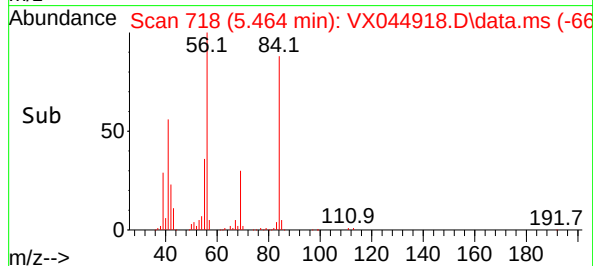
84 85.9 69.0 103.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#32

1,1,1-Trichloroethane

Concen: 49.107 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

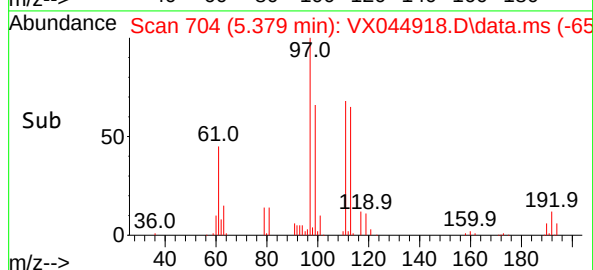
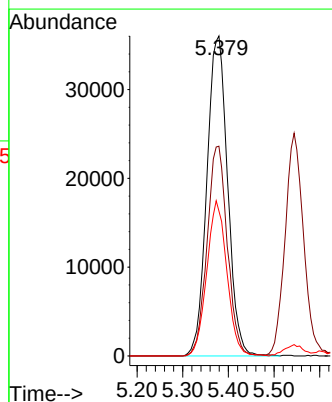
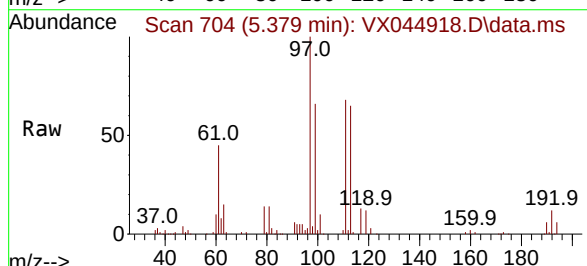
Tgt Ion: 97 Resp: 113617

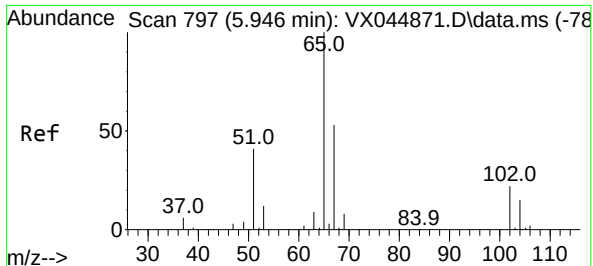
Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.6

61 47.1 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 52.162 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 8709

Ion Ratio Lower Upper

65 100

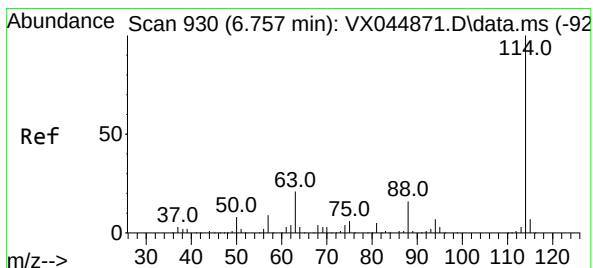
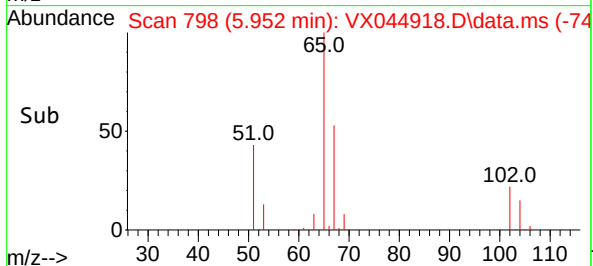
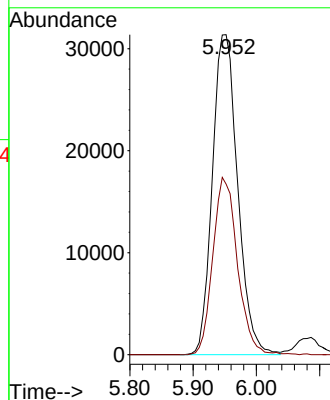
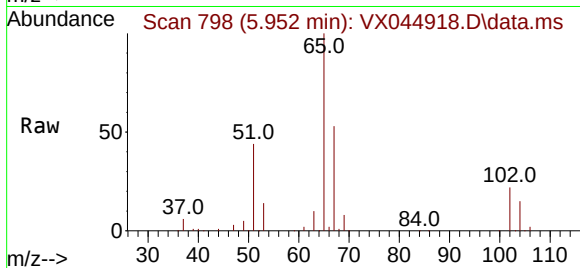
67 53.9 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

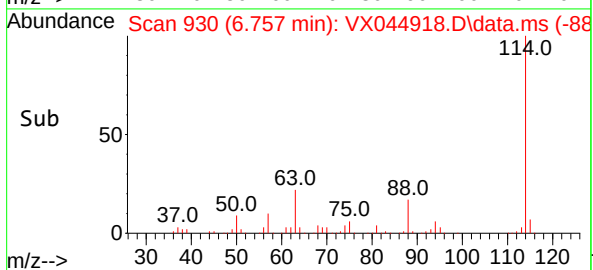
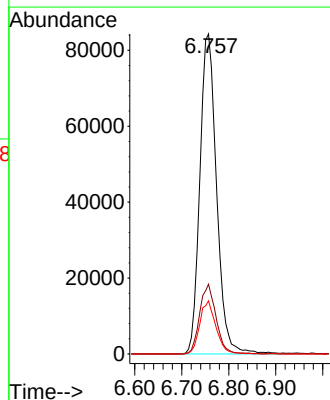
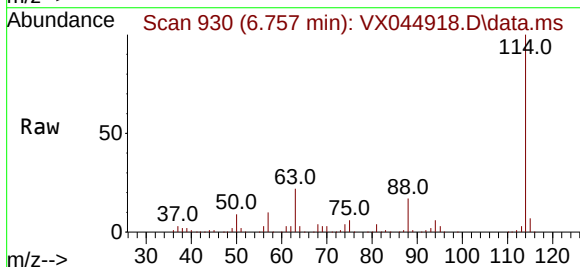
Tgt Ion:114 Resp: 208728

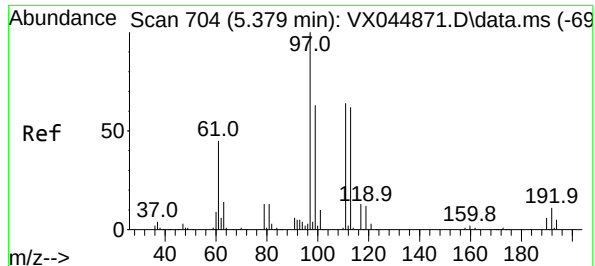
Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.4

88 16.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.520 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

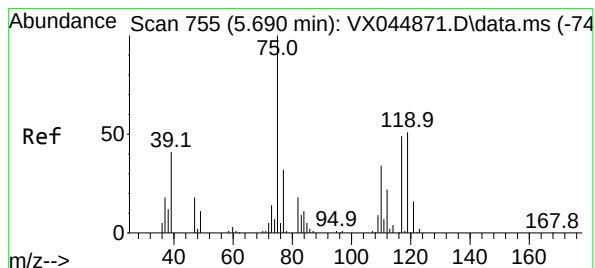
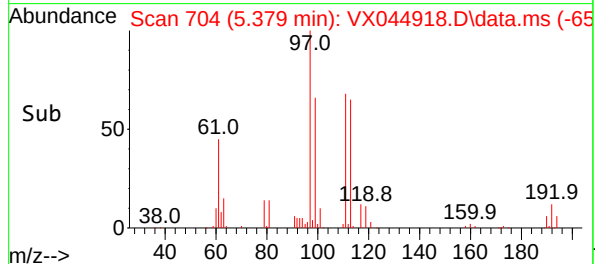
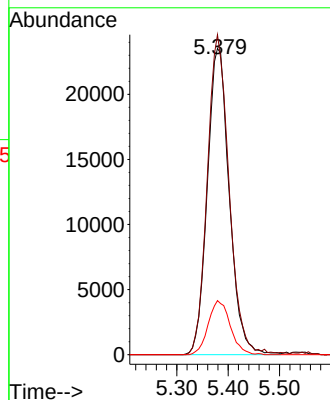
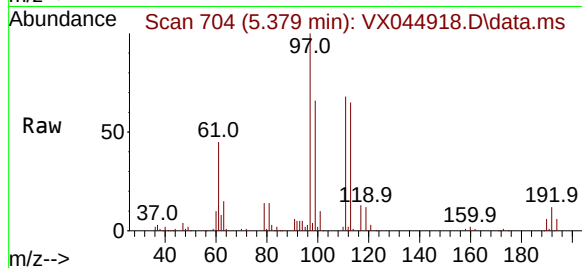
Tgt Ion:	113	Resp:	6991
Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.5	125.3
192	17.7	14.4	21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#36

1,1-Dichloropropene

Concen: 46.974 ug/l

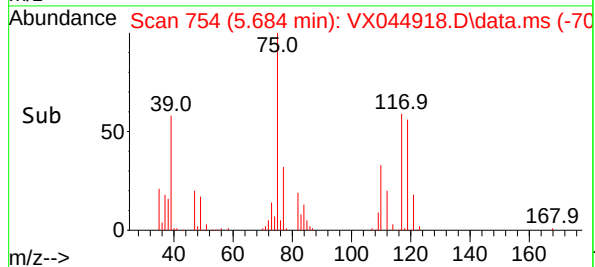
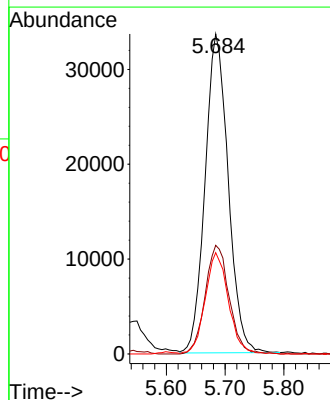
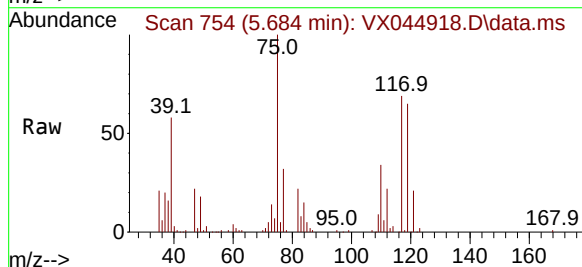
RT: 5.684 min Scan# 754

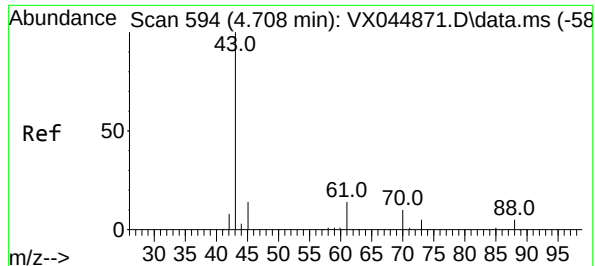
Delta R.T. -0.006 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Tgt Ion:	75	Resp:	91970
Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.6
77	31.9	24.6	37.0





#37

Ethyl Acetate

Concen: 50.702 ug/l

RT: 4.709 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 11041

Ion Ratio Lower Upper

43 100

61 13.6 11.0 16.4

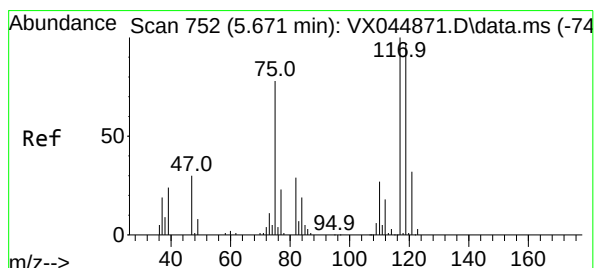
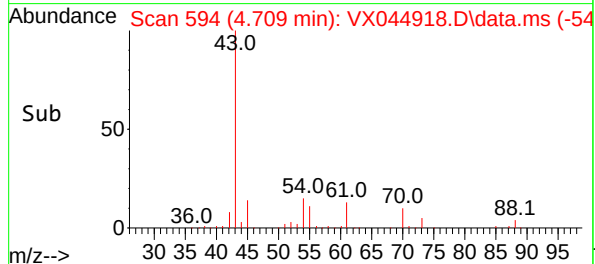
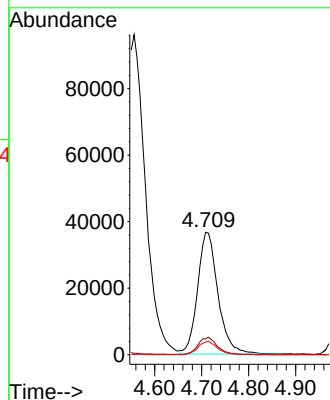
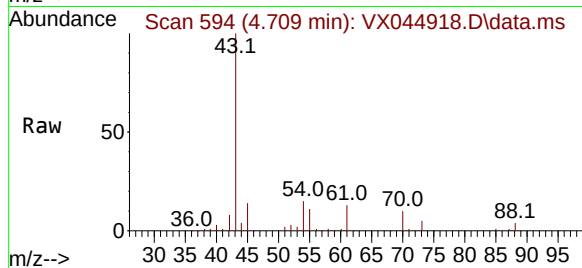
70 10.4 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#38

Carbon Tetrachloride

Concen: 47.211 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

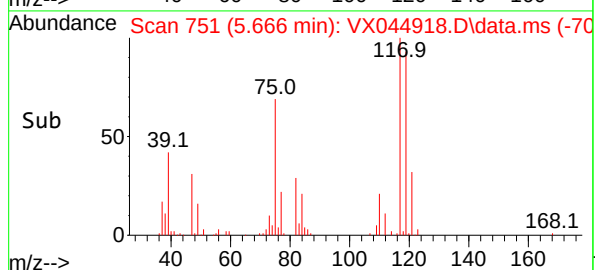
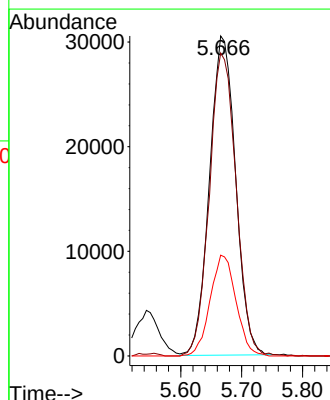
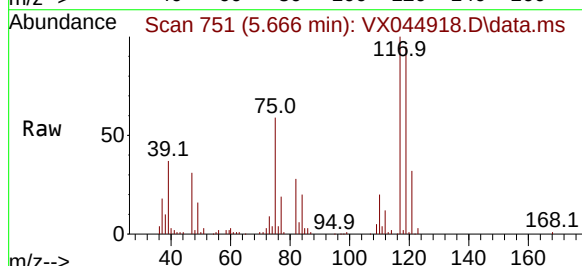
Tgt Ion:117 Resp: 90581

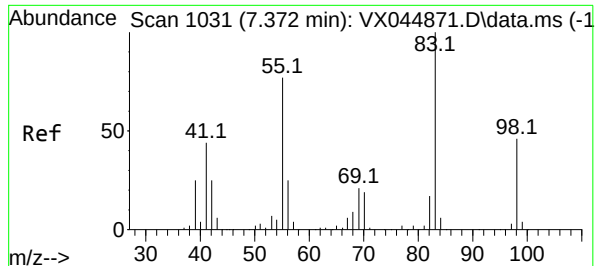
Ion Ratio Lower Upper

117 100

119 95.1 77.5 116.3

121 31.6 25.6 38.4





#39

Methylcyclohexane

Concen: 48.896 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 123769

Ion Ratio Lower Upper

83 100

55 79.3 61.3 91.9

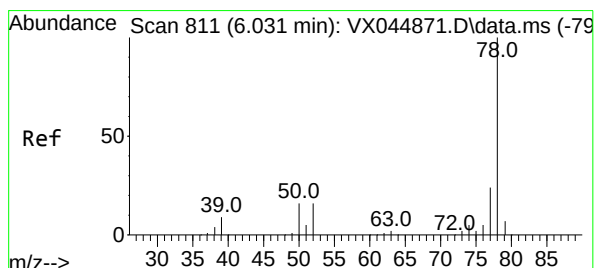
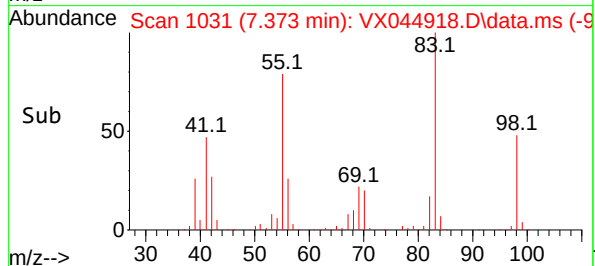
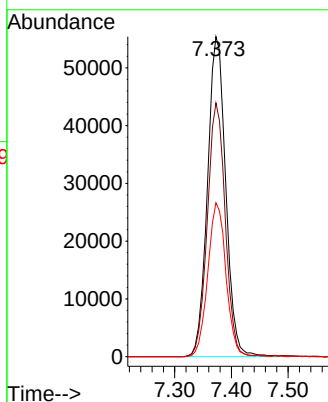
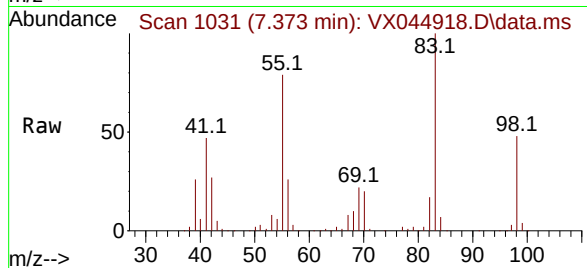
98 48.1 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#40

Benzene

Concen: 49.575 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044918.D

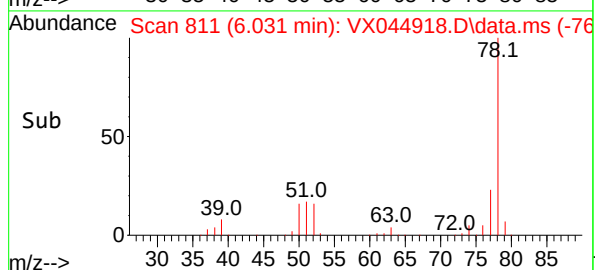
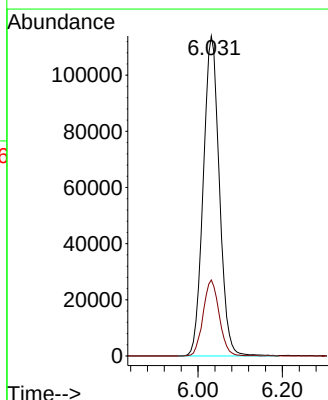
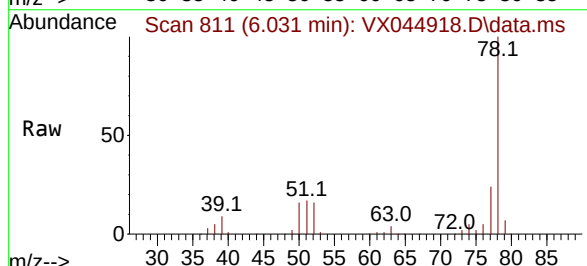
Acq: 11 Feb 2025 19:50

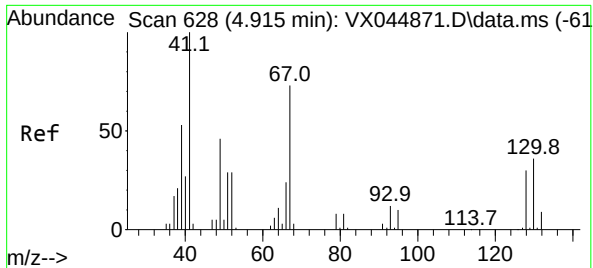
Tgt Ion: 78 Resp: 303089

Ion Ratio Lower Upper

78 100

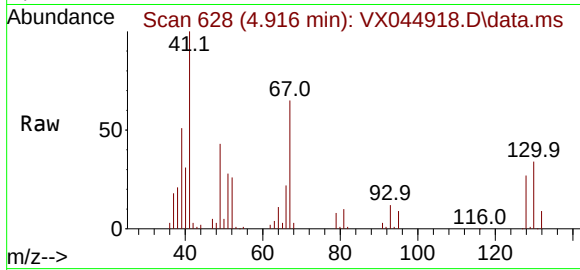
77 23.7 19.0 28.6





#41
Methacrylonitrile
Concen: 53.690 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

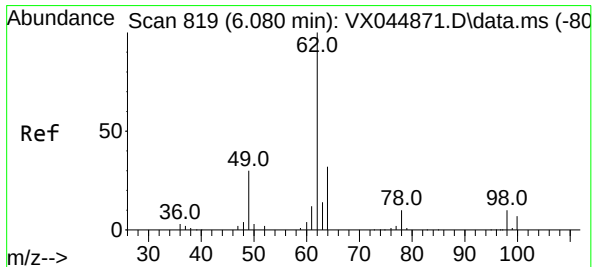
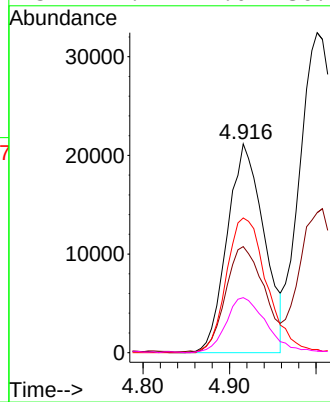
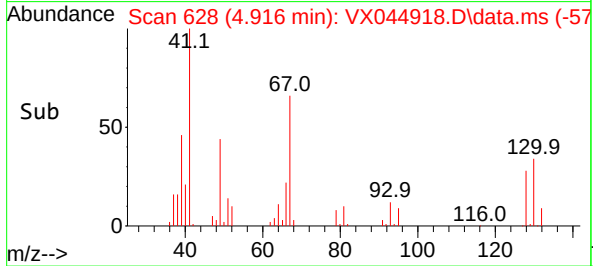
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 41 Resp: 6258
Ion Ratio Lower Upper
41 100
39 52.8 43.1 64.7
67 71.3 57.0 85.6
52 29.2 24.0 36.0

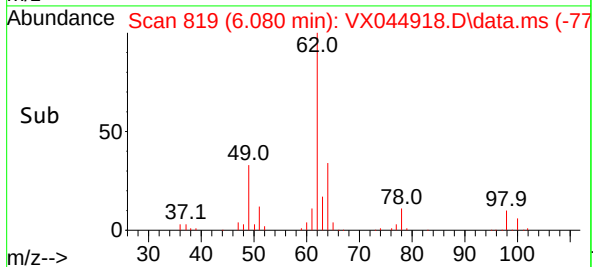
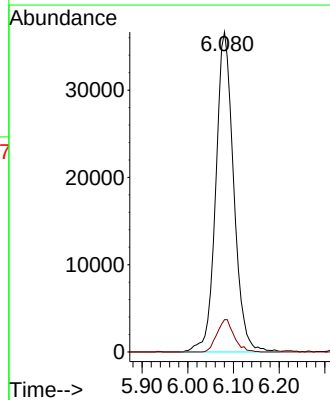
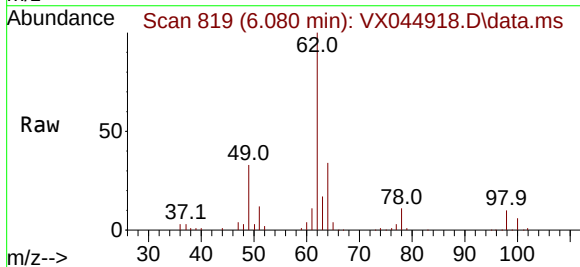
Manual Integrations
APPROVED

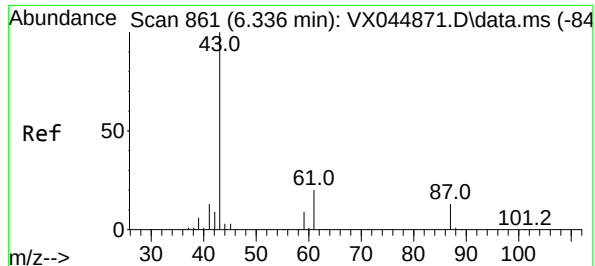
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#42
1,2-Dichloroethane
Concen: 51.275 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 62 Resp: 99909
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.4





#43

Isopropyl Acetate

Concen: 50.486 ug/l

RT: 6.336 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 177540

Ion Ratio Lower Upper

43

61

87

100

19.3

12.3

15.8

10.0

23.8

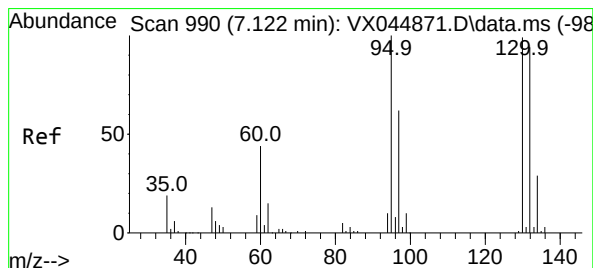
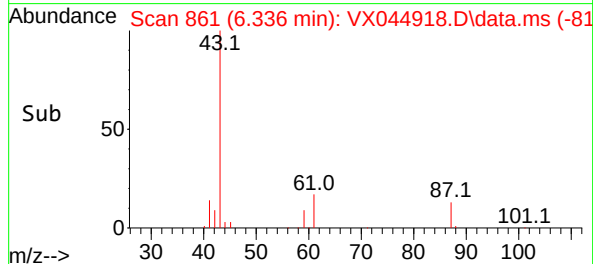
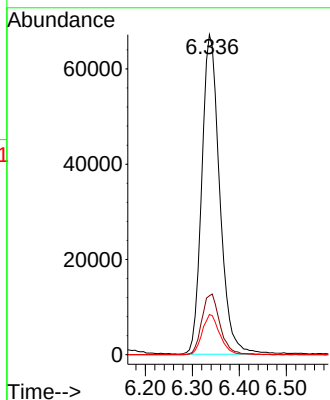
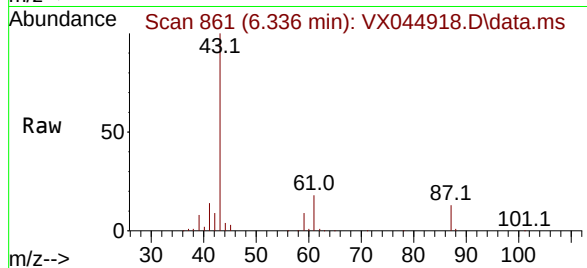
15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#44

Trichloroethene

Concen: 48.777 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Tgt Ion:130 Resp: 68162

Ion Ratio Lower Upper

130

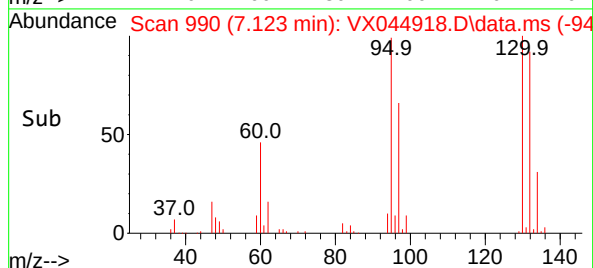
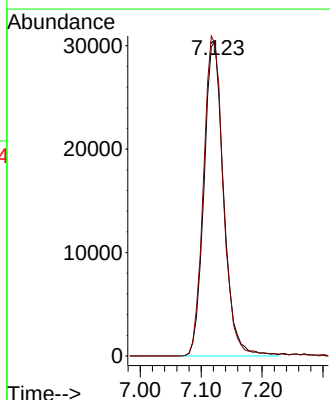
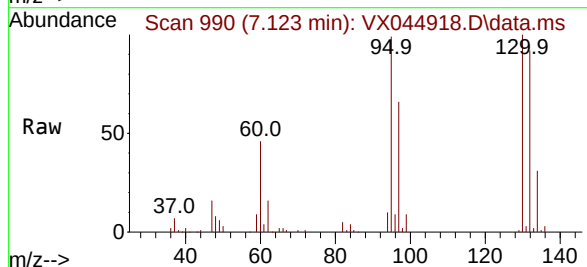
95

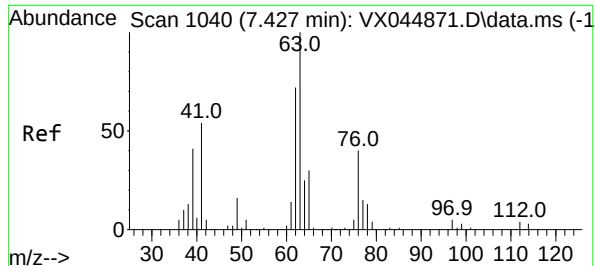
100

99.1

0.0

202.4





#45

1,2-Dichloropropane

Concen: 49.460 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 75229

Ion Ratio Lower Upper

63 100

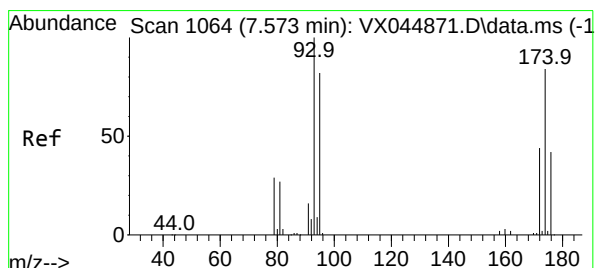
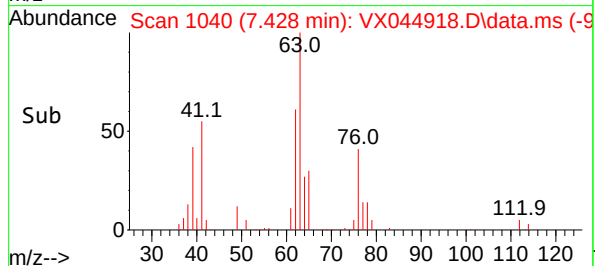
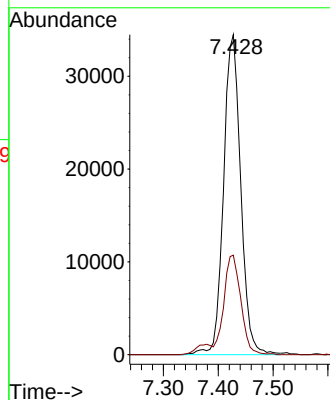
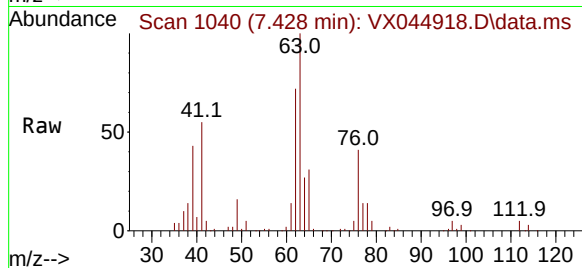
65 31.1 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#46

Dibromomethane

Concen: 50.552 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

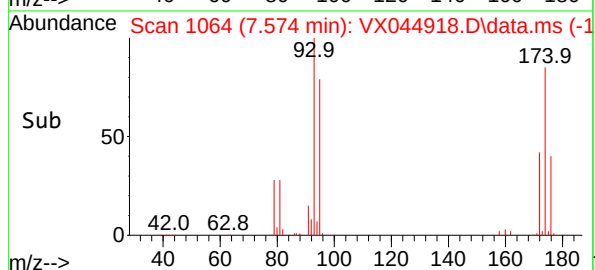
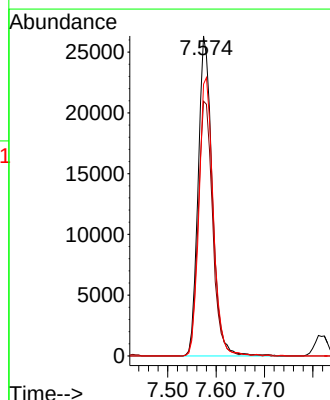
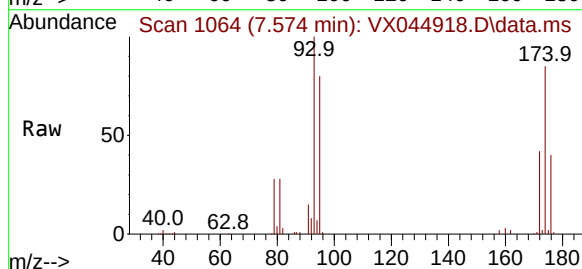
Tgt Ion: 93 Resp: 53323

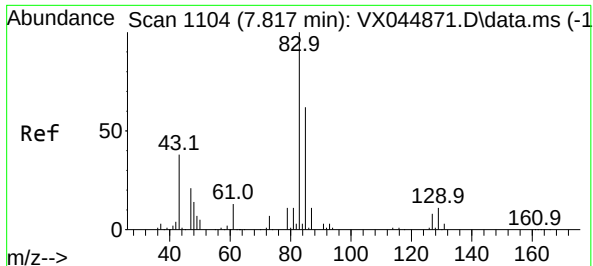
Ion Ratio Lower Upper

93 100

95 81.5 66.2 99.4

174 87.8 69.9 104.9





#47

Bromodichloromethane

Concen: 50.475 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 10309

Ion Ratio Lower Upper

83 100

85 64.7 50.0 75.0

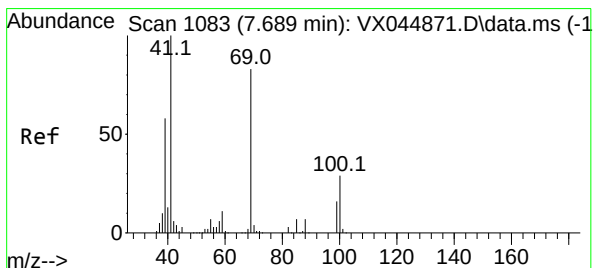
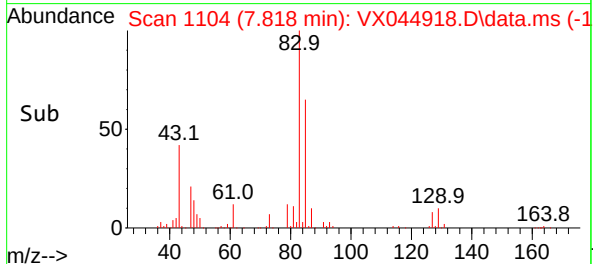
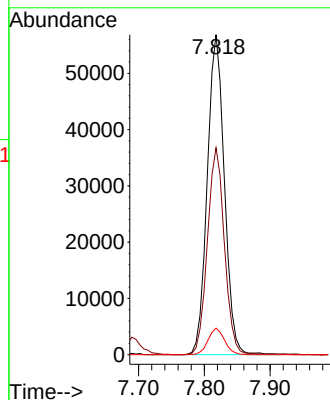
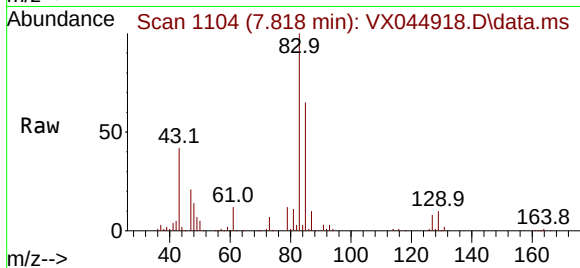
127 8.3 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#48

Methyl methacrylate

Concen: 51.962 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

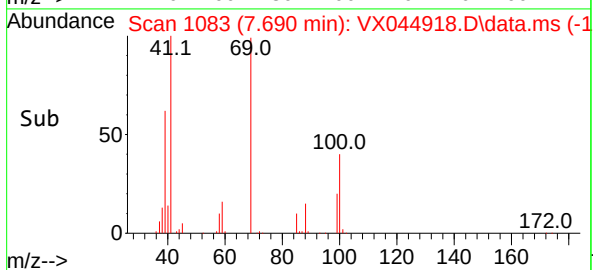
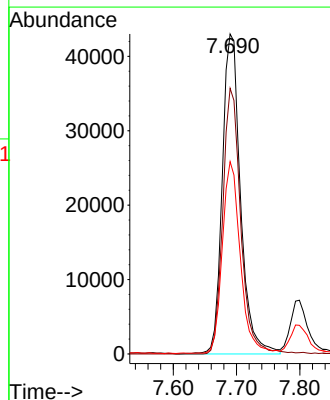
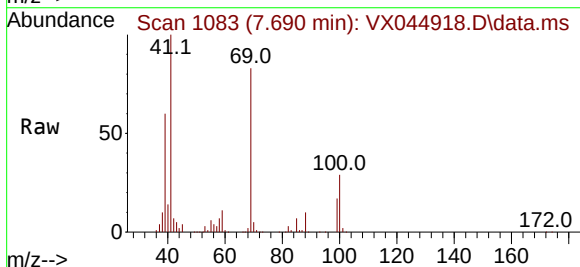
Tgt Ion: 41 Resp: 86162

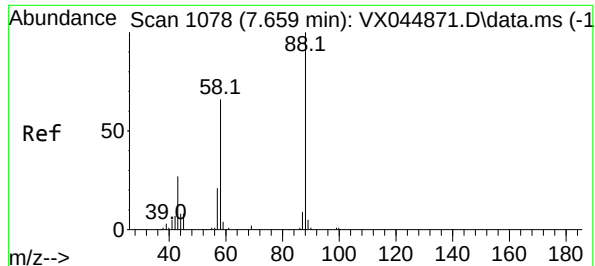
Ion Ratio Lower Upper

41 100

69 81.8 65.8 98.8

39 59.0 46.4 69.6





#49

1,4-Dioxane

Concen: 1056.949 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 88 Resp: 37602

Ion Ratio Lower Upper

88 100

43 34.0 26.6 39.8

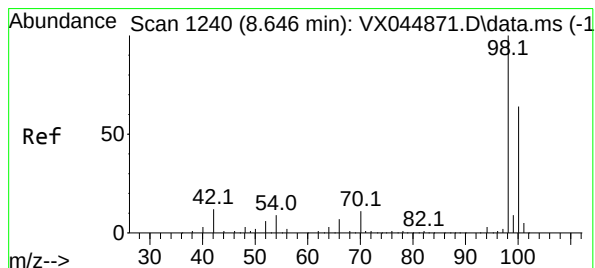
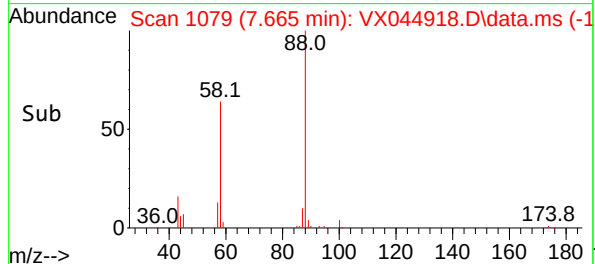
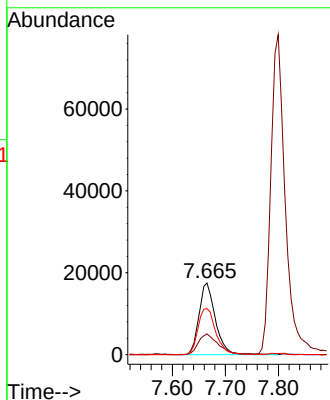
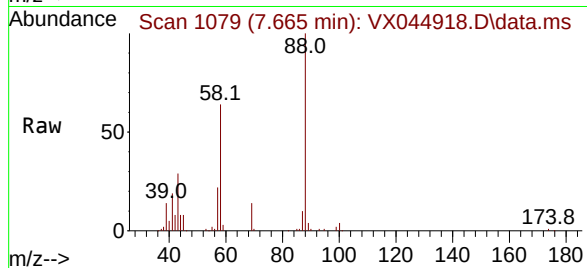
58 69.5 55.9 83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#50

Toluene-d8

Concen: 51.148 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044918.D

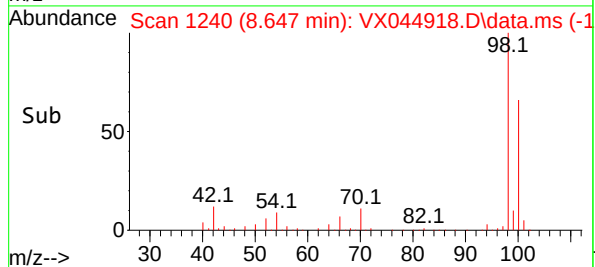
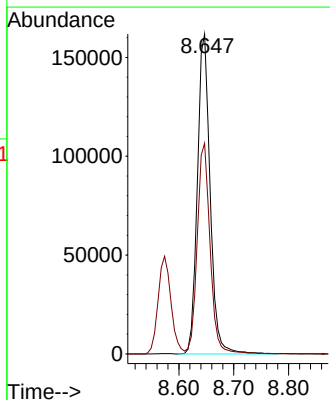
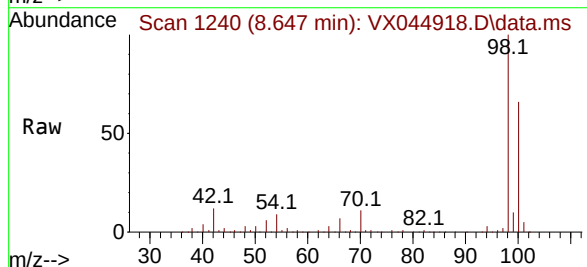
Acq: 11 Feb 2025 19:50

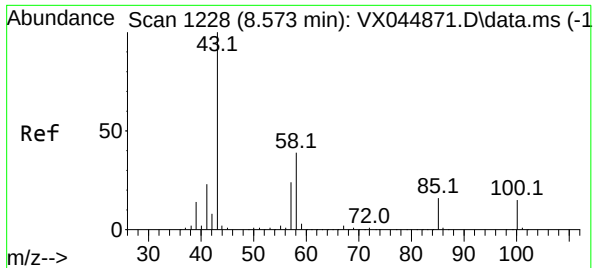
Tgt Ion: 98 Resp: 262476

Ion Ratio Lower Upper

98 100

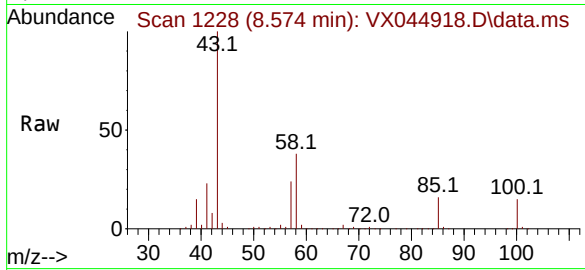
100 66.3 52.7 79.1





#51
4-Methyl-2-Pentanone
Concen: 262.440 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

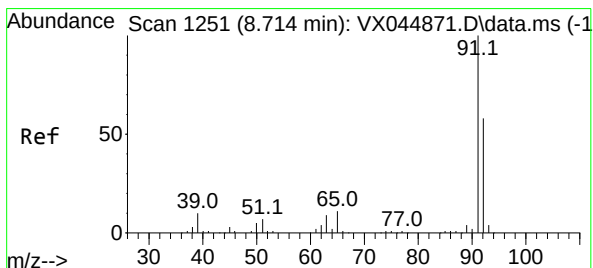
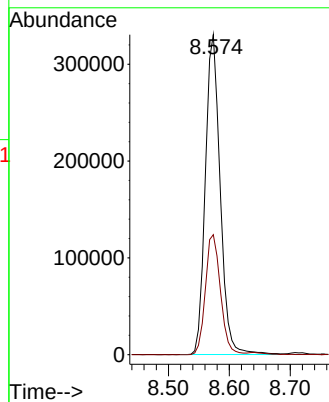
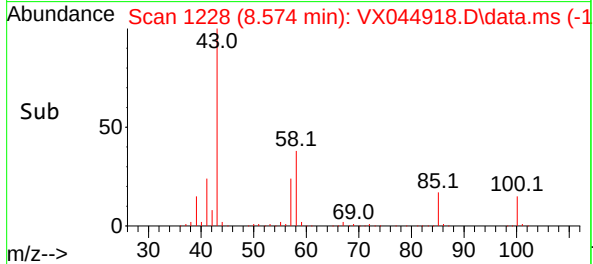
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 56108
Ion Ratio Lower Upper
43 100
58 38.1 30.8 46.2

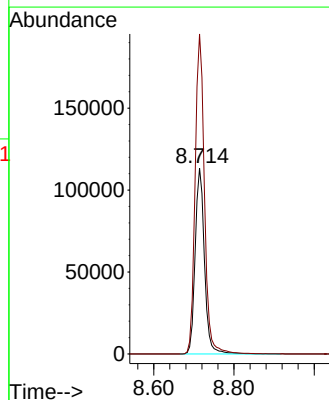
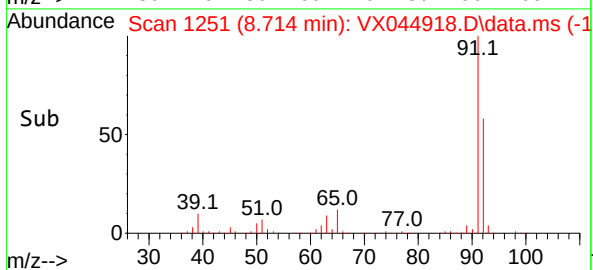
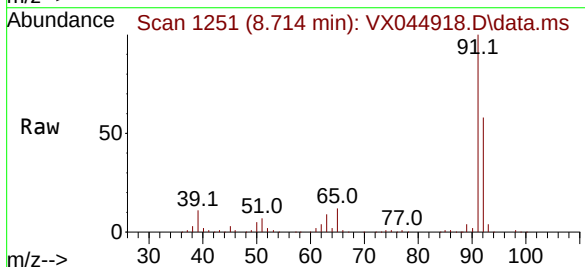
Manual Integrations
APPROVED

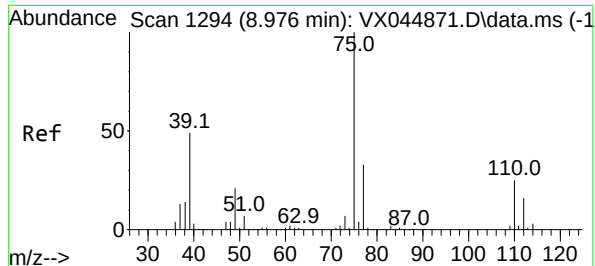
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#52
Toluene
Concen: 50.199 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 92 Resp: 182775
Ion Ratio Lower Upper
92 100
91 172.6 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 48.347 ug/l

RT: 8.976 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 9992

Ion Ratio Lower Upper

75 100

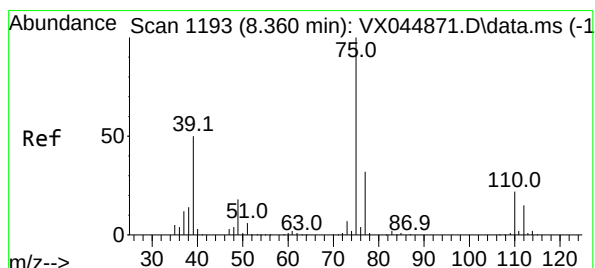
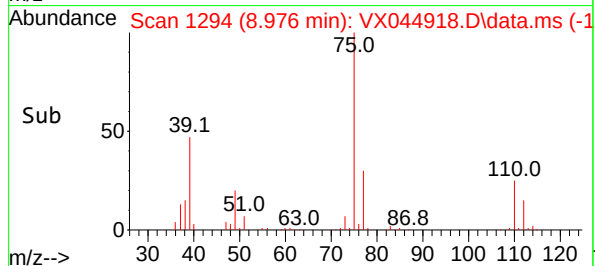
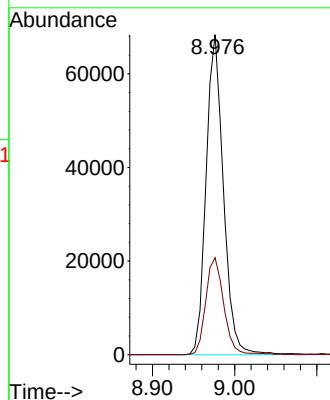
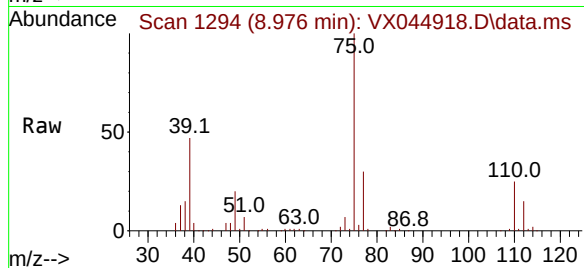
77 30.3 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#54

cis-1,3-Dichloropropene

Concen: 49.051 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

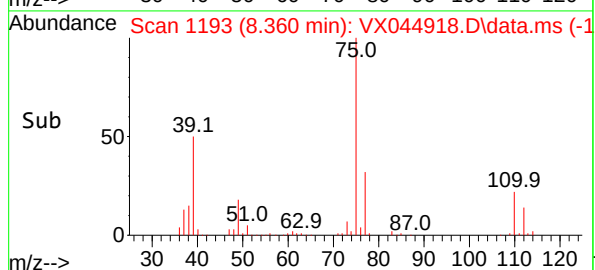
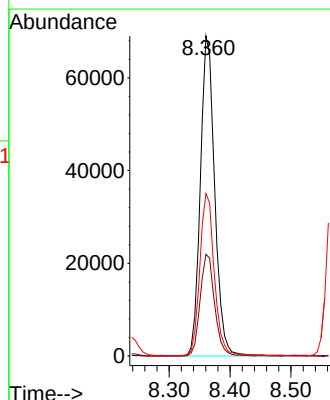
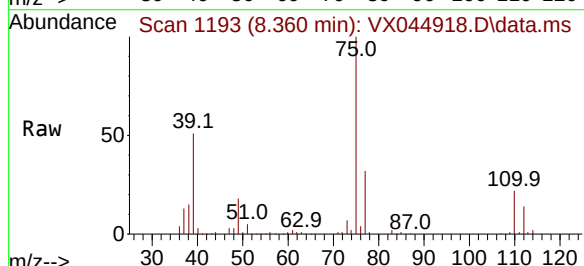
Tgt Ion: 75 Resp: 113036

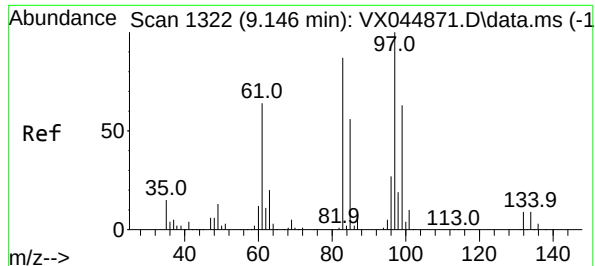
Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9

39 50.5 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 50.149 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 70192

Ion Ratio Lower Upper

97 100

83 90.6 69.8 104.6

85 55.7 44.8 67.2

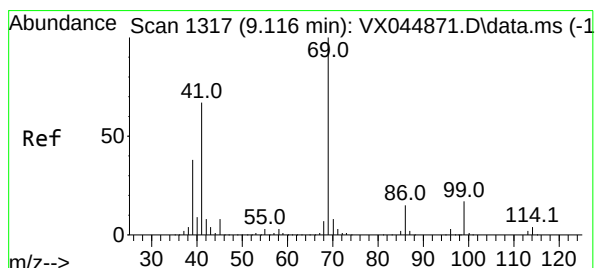
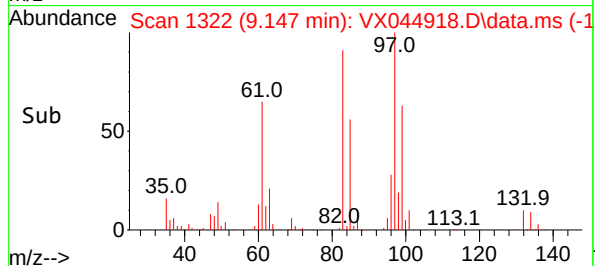
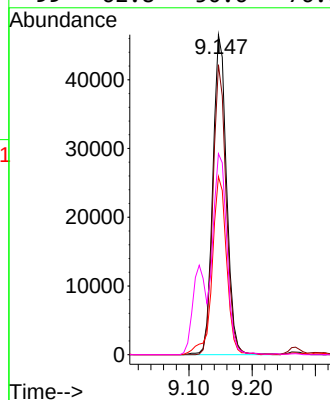
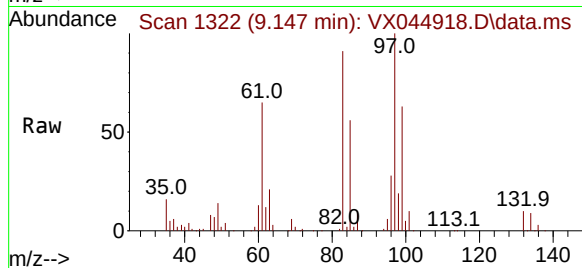
99 62.8 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#56

Ethyl methacrylate

Concen: 50.884 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

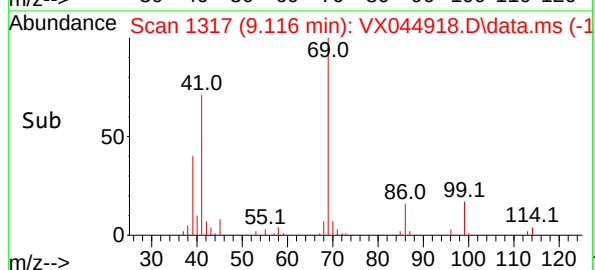
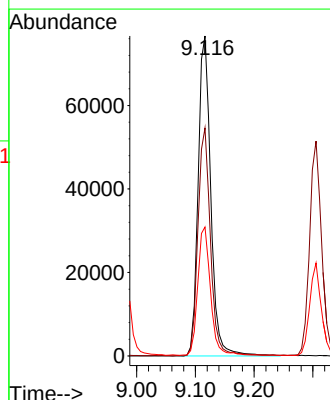
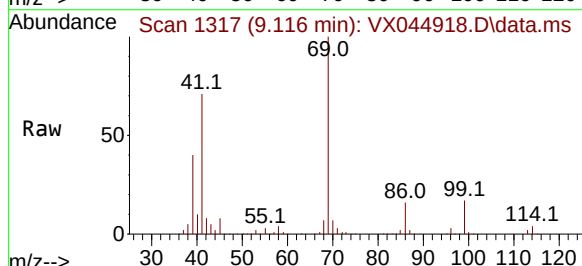
Tgt Ion: 69 Resp: 115029

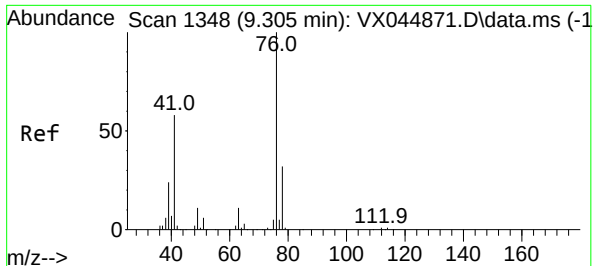
Ion Ratio Lower Upper

69 100

41 70.6 55.2 82.8

39 40.3 30.8 46.2





#57

1,3-Dichloropropane

Concen: 50.387 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 123390

Ion Ratio Lower Upper

76 100

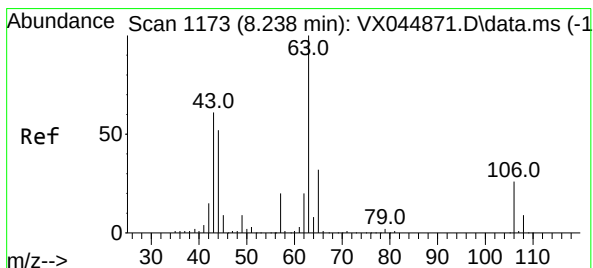
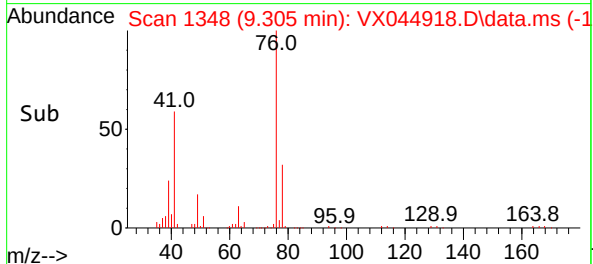
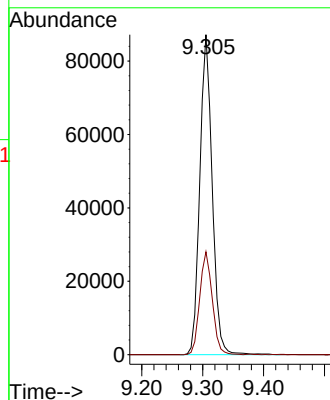
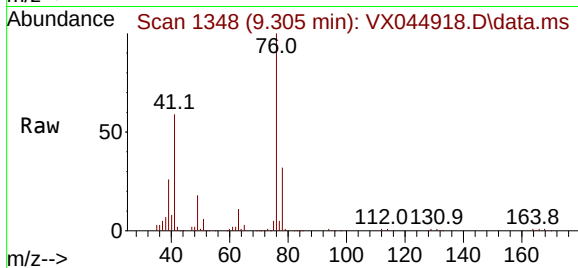
78 32.5 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#58

2-Chloroethyl Vinyl ether

Concen: 262.486 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044918.D

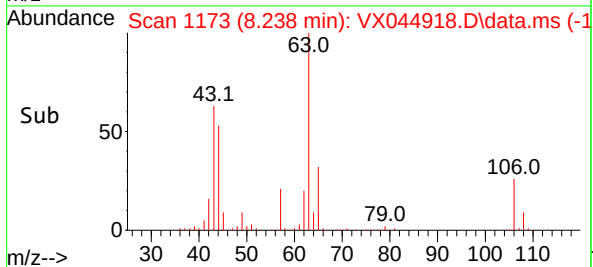
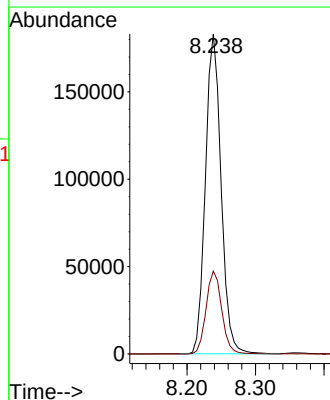
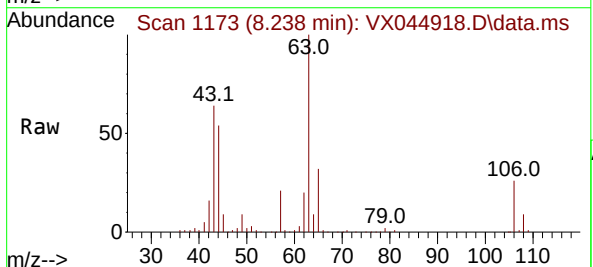
Acq: 11 Feb 2025 19:50

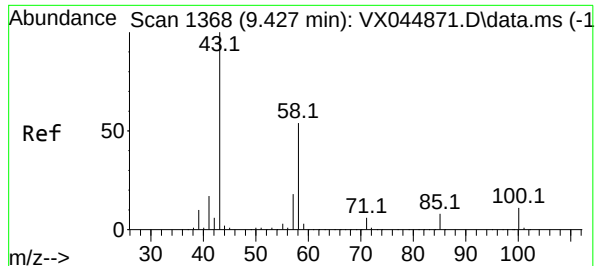
Tgt Ion: 63 Resp: 291354

Ion Ratio Lower Upper

63 100

106 26.0 21.3 31.9





#59

2-Hexanone

Concen: 268.451 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 413528

Ion Ratio Lower Upper

43 100

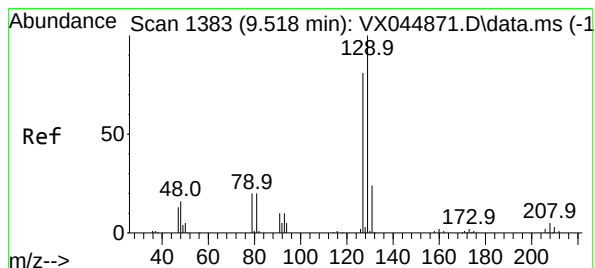
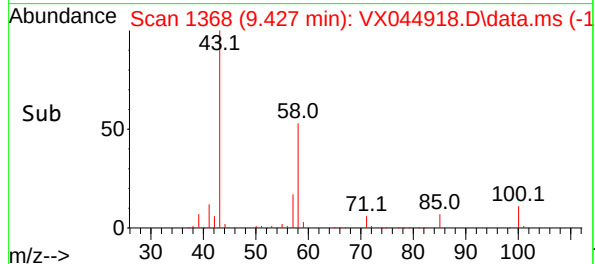
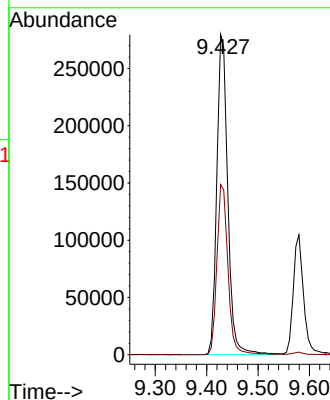
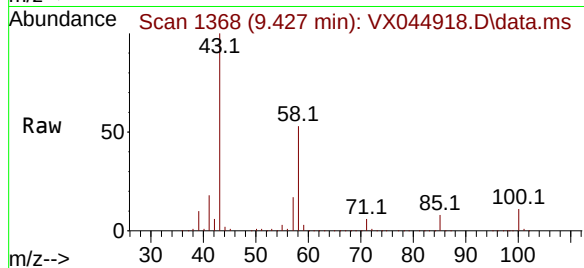
58 53.6 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#60

Dibromochloromethane

Concen: 50.063 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044918.D

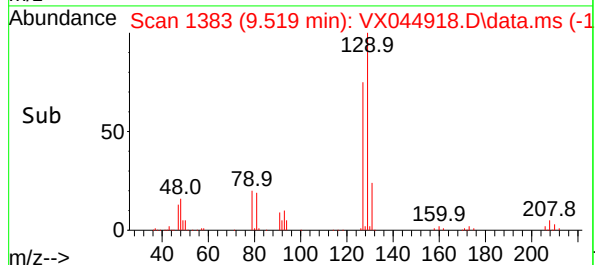
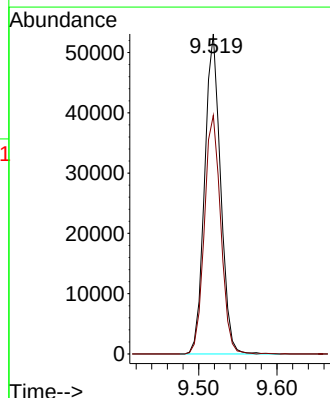
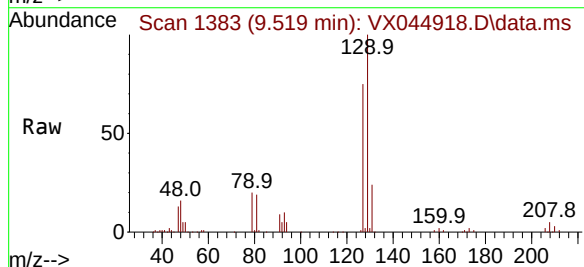
Acq: 11 Feb 2025 19:50

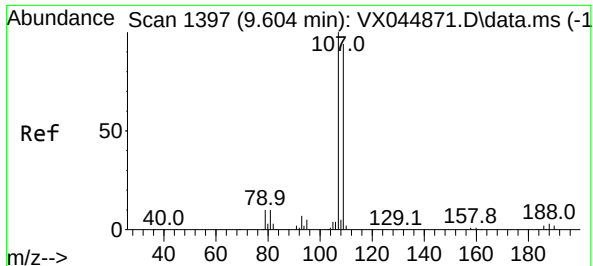
Tgt Ion:129 Resp: 74939

Ion Ratio Lower Upper

129 100

127 76.3 39.1 117.3





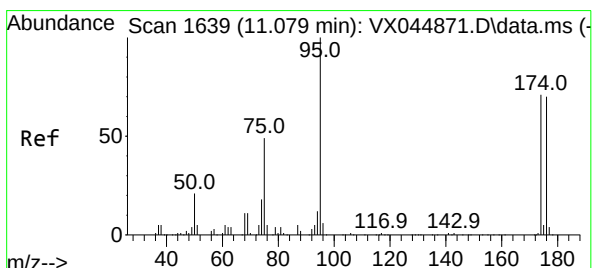
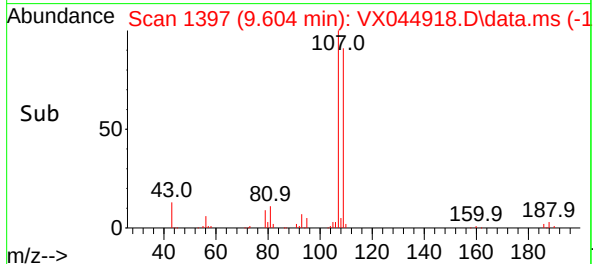
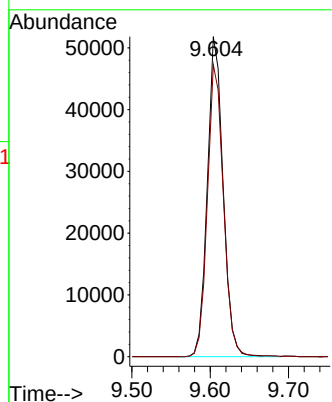
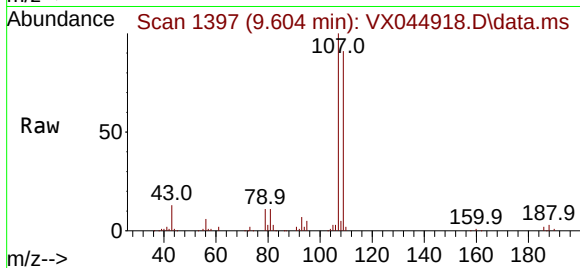
#61
1,2-Dibromoethane
Concen: 51.047 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 107 Resp: 7241
Ion Ratio Lower Upper
107 100
109 92.8 75.9 113.9

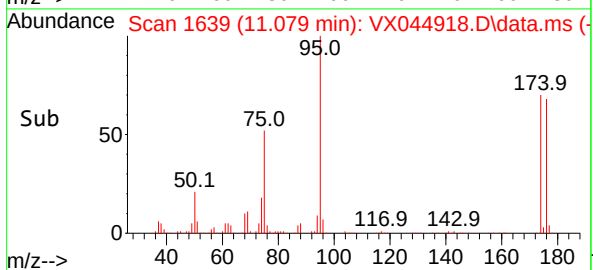
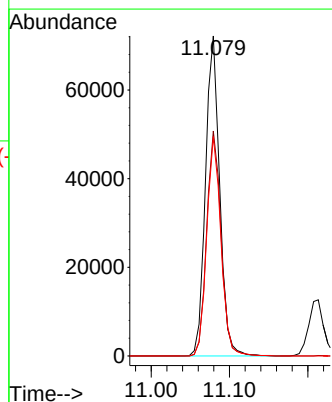
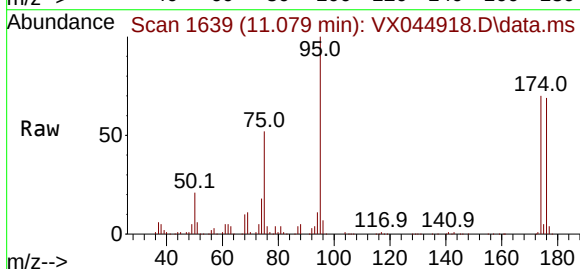
Manual Integrations
APPROVED

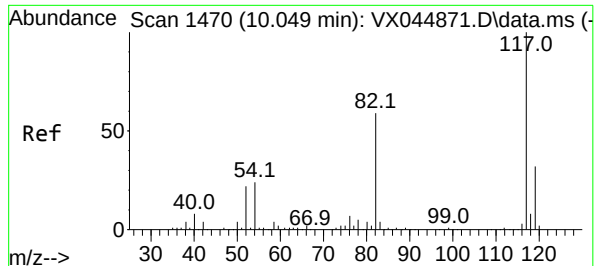
Reviewed By : John Carlone 02/12/2025
Supervised By : Mahesh Dadoda 02/12/2025



#62
4-Bromofluorobenzene
Concen: 52.355 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 95 Resp: 90574
Ion Ratio Lower Upper
95 100
174 71.4 0.0 142.6
176 68.7 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: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:117 Resp: 185334

Ion Ratio Lower Upper

117 100

82 57.5 47.5 71.3

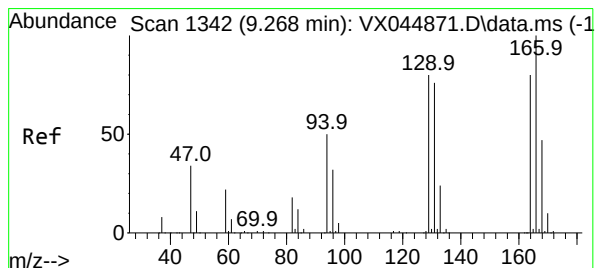
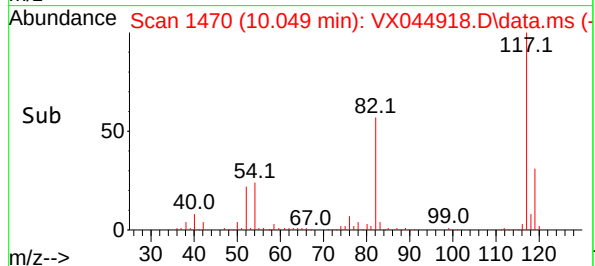
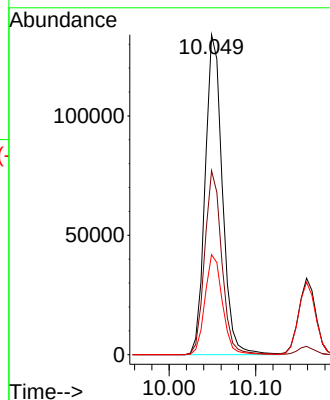
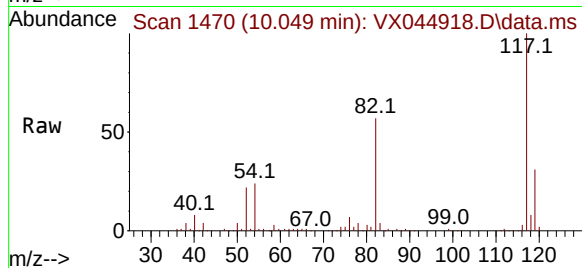
119 31.2 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#64

Tetrachloroethene

Concen: 46.738 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Tgt Ion:164 Resp: 54627

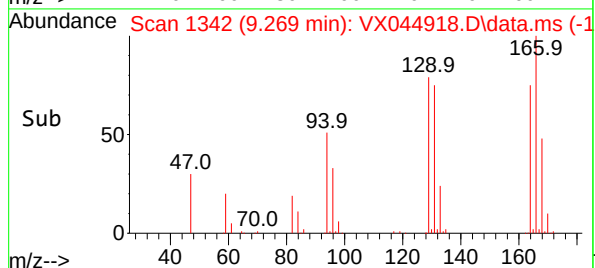
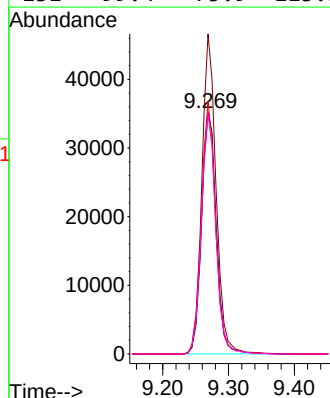
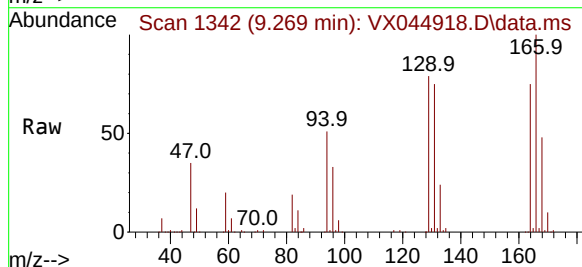
Ion Ratio Lower Upper

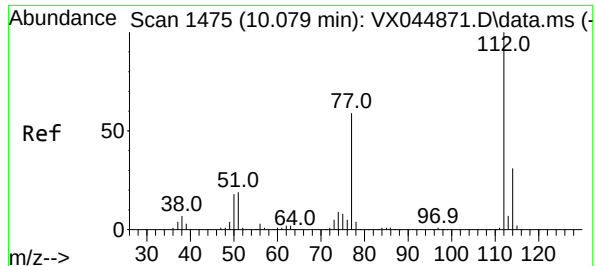
164 100

166 132.8 100.4 150.6

129 104.6 79.9 119.9

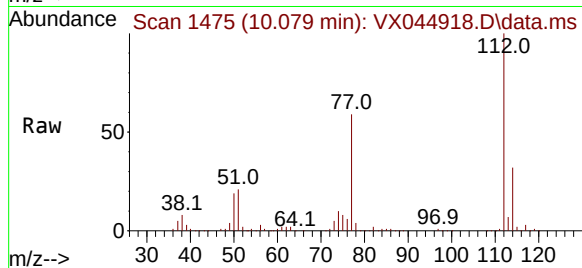
131 99.4 75.9 113.9





#65
Chlorobenzene
Concen: 48.179 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

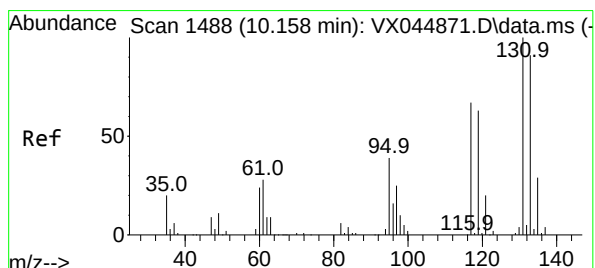
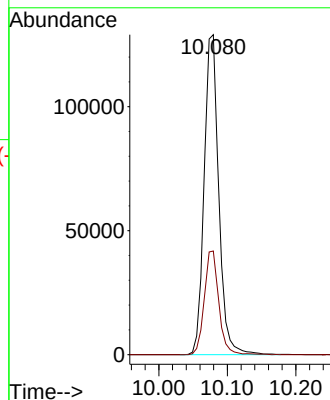
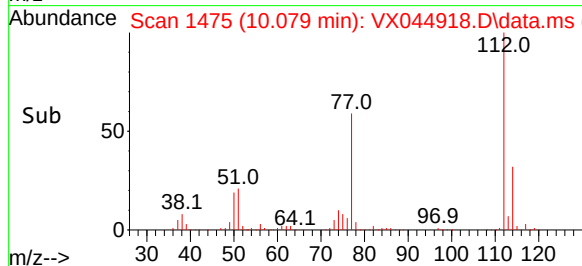
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



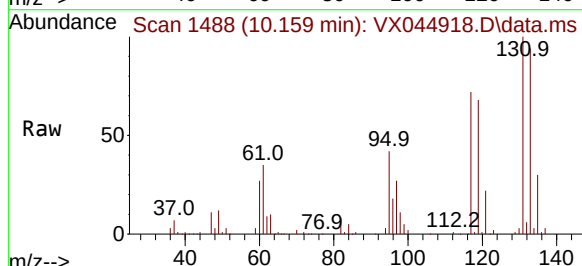
Tgt Ion:112 Resp: 19178
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.6

Manual Integrations
APPROVED

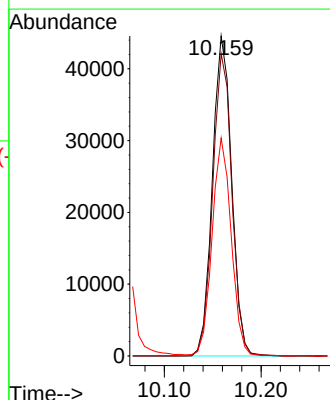
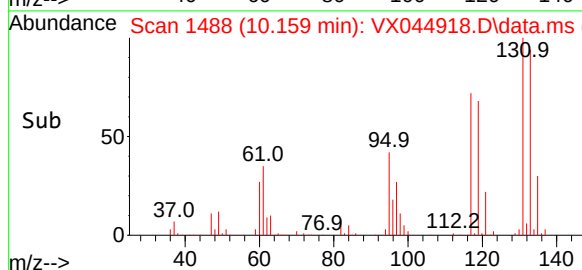
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

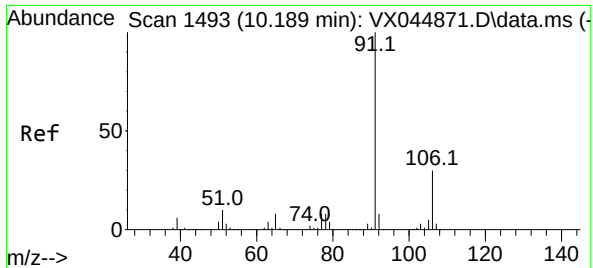


#66
1,1,1,2-Tetrachloroethane
Concen: 48.081 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50



Tgt Ion:131 Resp: 61604
Ion Ratio Lower Upper
131 100
133 94.1 47.1 141.3
119 67.9 33.6 100.6





#67

Ethyl Benzene

Concen: 49.286 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 34621

Ion Ratio Lower Upper

91 100

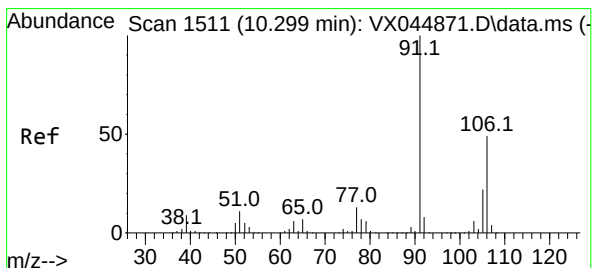
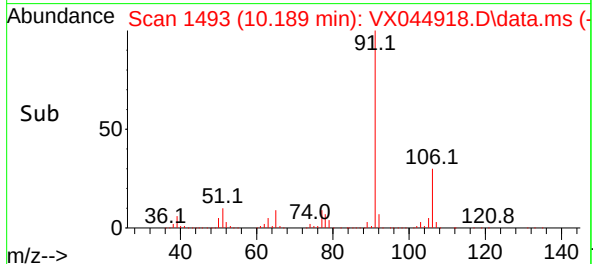
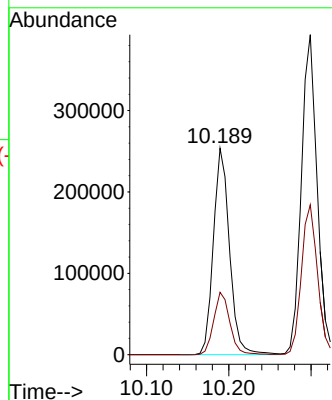
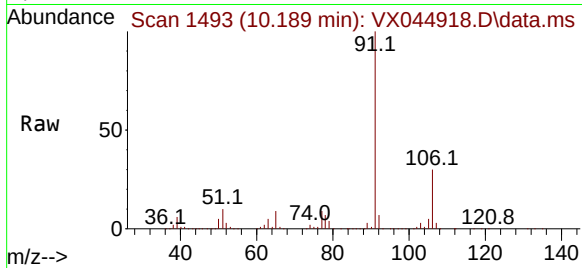
106 30.2 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#68

m/p-Xylenes

Concen: 97.924 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044918.D

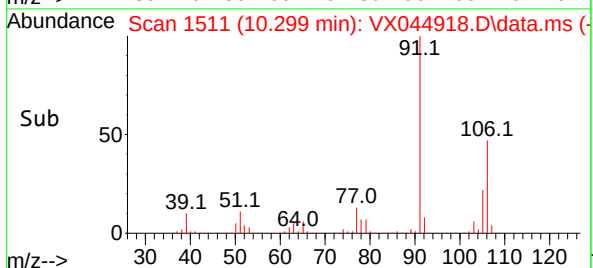
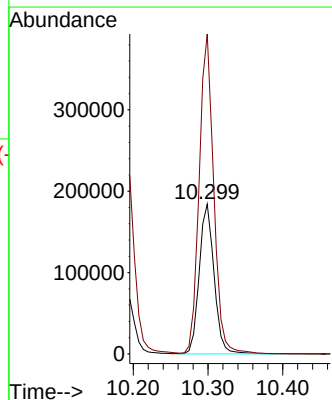
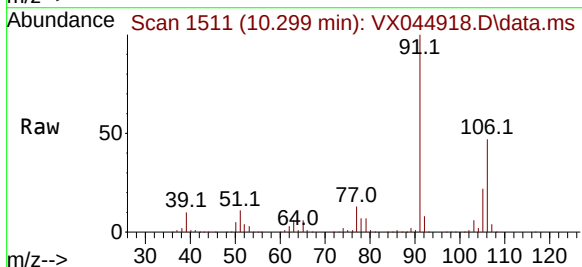
Acq: 11 Feb 2025 19:50

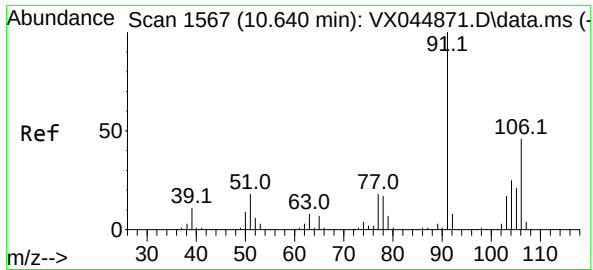
Tgt Ion:106 Resp: 253750

Ion Ratio Lower Upper

106 100

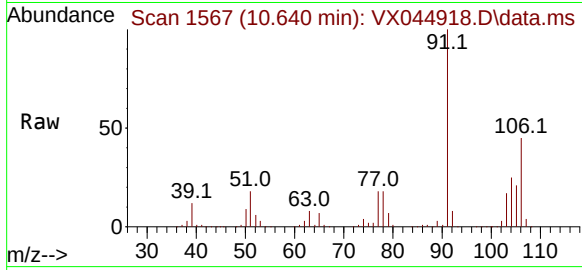
91 209.5 164.3 246.5





#69
o-Xylene
Concen: 48.465 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

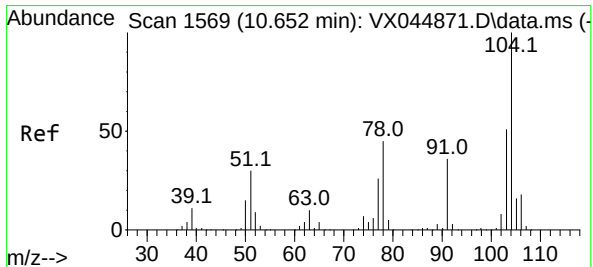
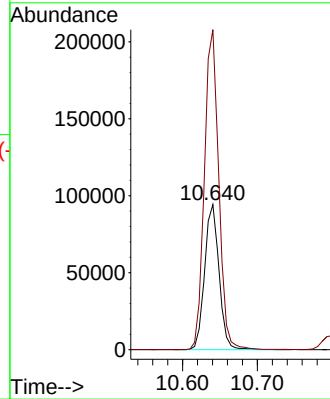
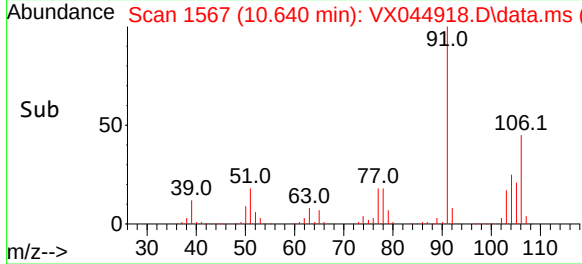
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:106 Resp: 126010
Ion Ratio Lower Upper
106 100
91 220.1 108.5 325.5

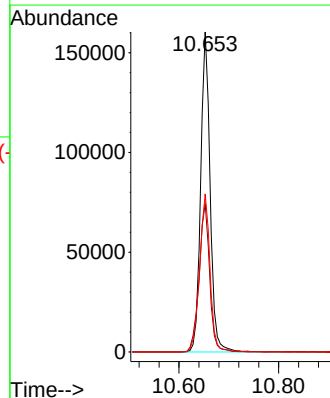
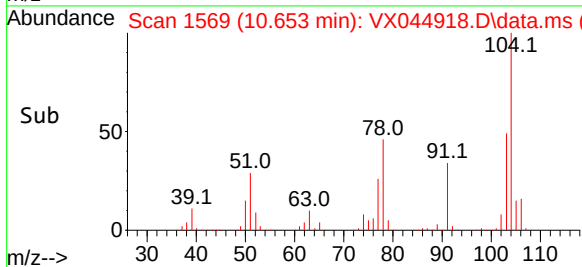
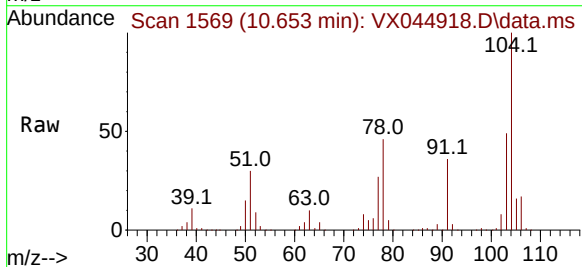
Manual Integrations
APPROVED

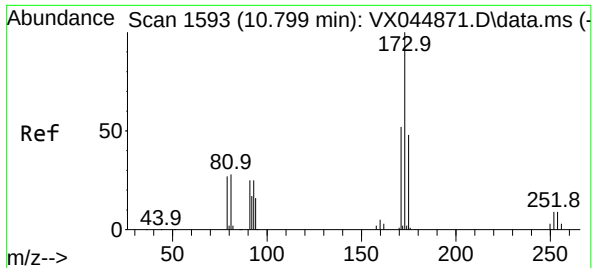
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#70
Styrene
Concen: 50.389 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

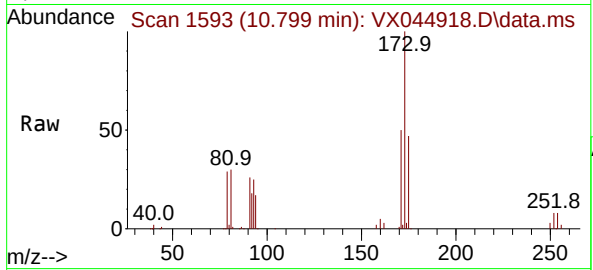
Tgt Ion:104 Resp: 211083
Ion Ratio Lower Upper
104 100
78 51.6 40.5 60.7
103 54.6 43.6 65.4





#71
Bromoform
Concen: 49.045 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

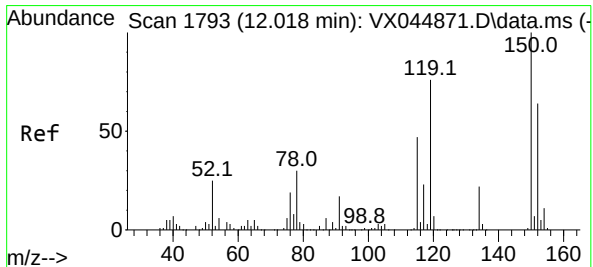
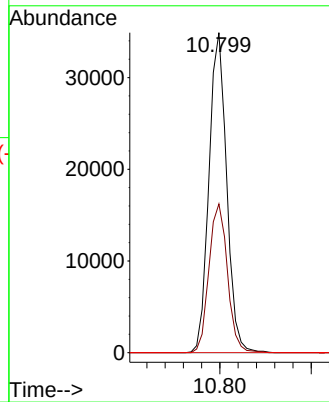
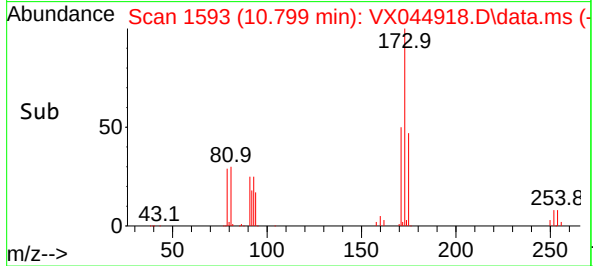
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:173 Resp: 4689
Ion Ratio Lower Upper
173 100
175 48.7 24.3 72.8
254 0.0 0.0 0.0

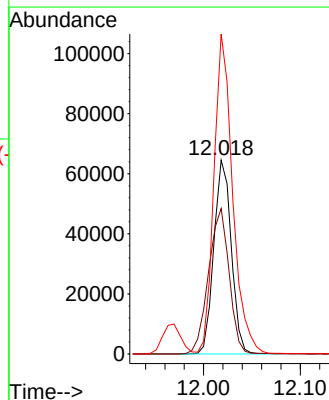
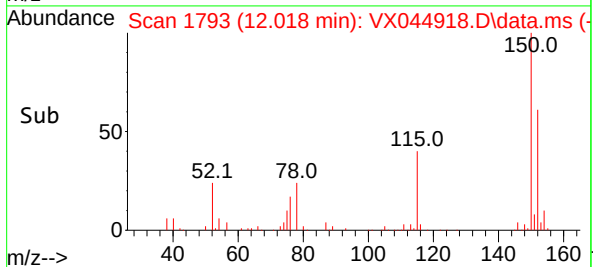
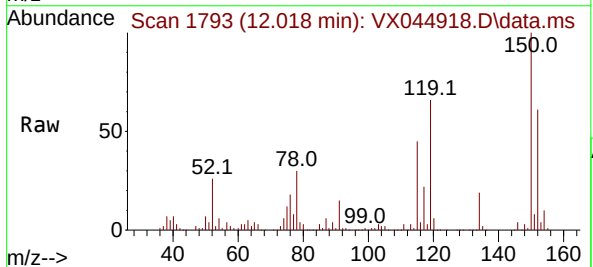
Manual Integrations
APPROVED

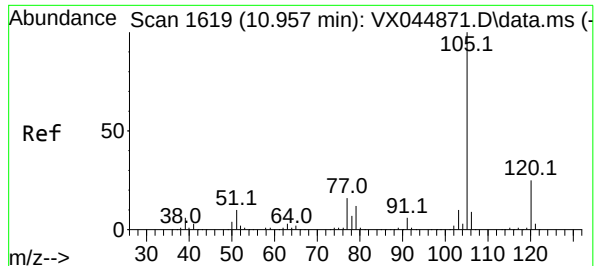
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:152 Resp: 80910
Ion Ratio Lower Upper
152 100
115 88.6 43.4 130.1
150 177.4 0.0 350.4





#73

Isopropylbenzene

Concen: 49.916 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 32519

Ion Ratio Lower Upper

105 100

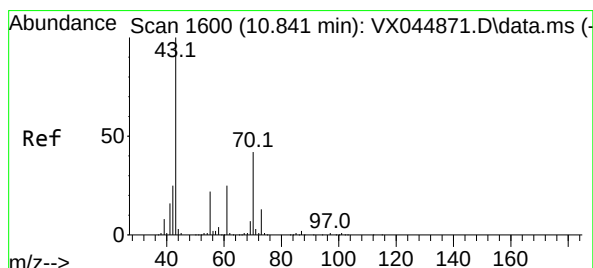
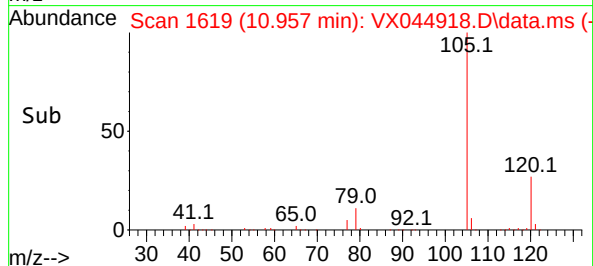
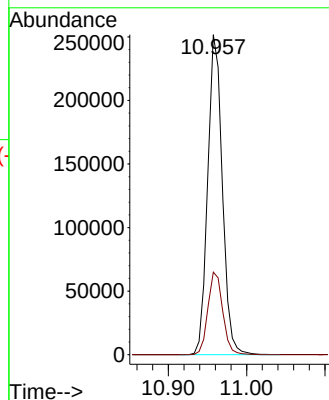
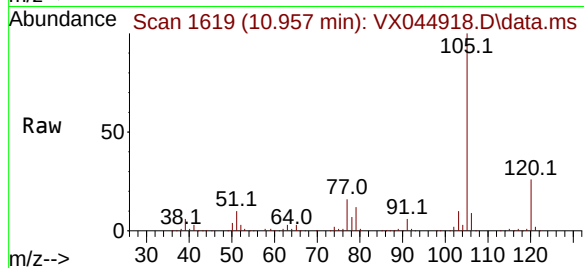
120 26.1 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#74

N-ethyl acetate

Concen: 51.312 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Tgt Ion: 43 Resp: 151270

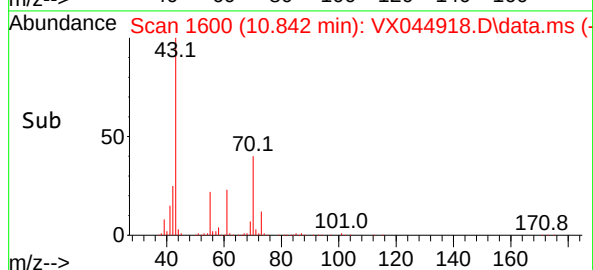
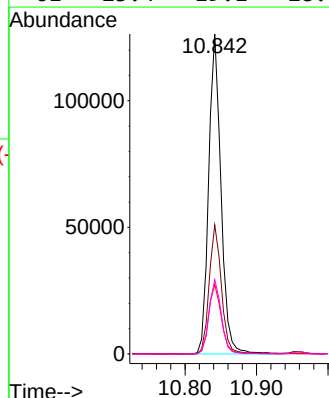
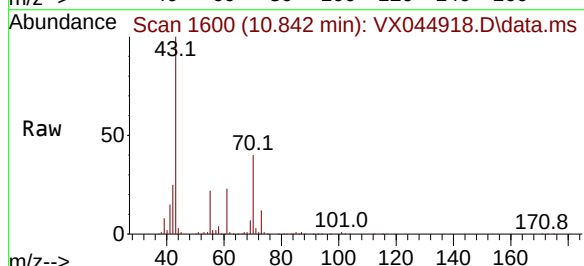
Ion Ratio Lower Upper

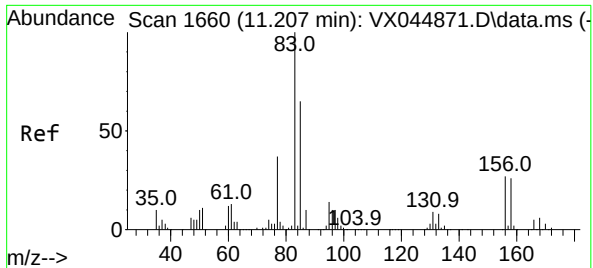
43 100

70 40.2 33.7 50.5

55 22.5 18.6 27.8

61 23.4 19.1 28.7





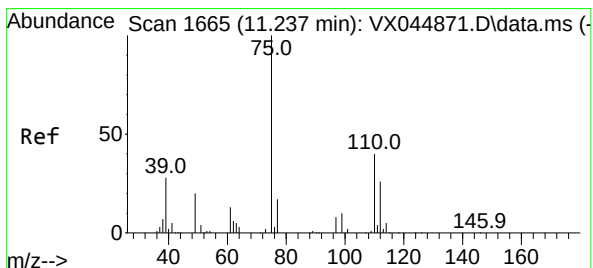
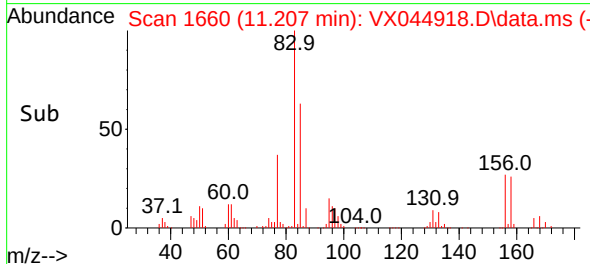
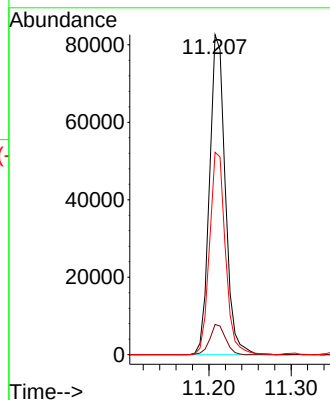
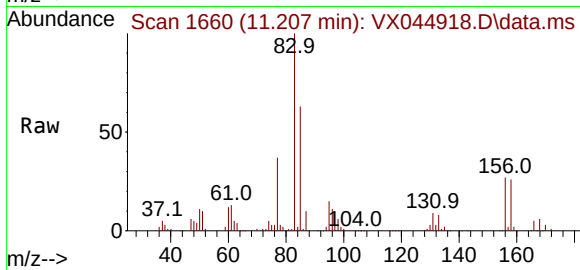
#75
1,1,2-Tetrachloroethane
Concen: 49.048 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 10980
Ion Ratio Lower Upper
83 100
131 9.4 4.5 13.5
85 63.9 32.3 96.8

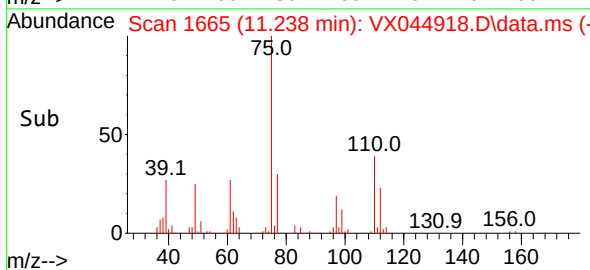
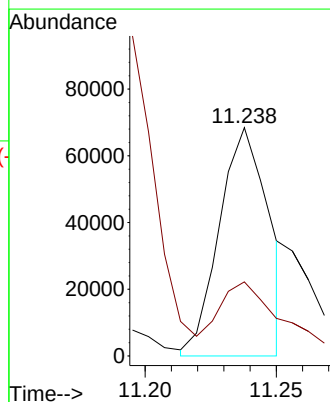
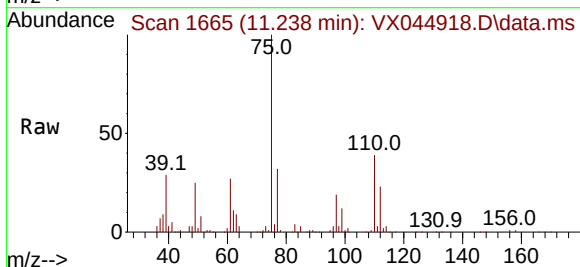
Manual Integrations
APPROVED

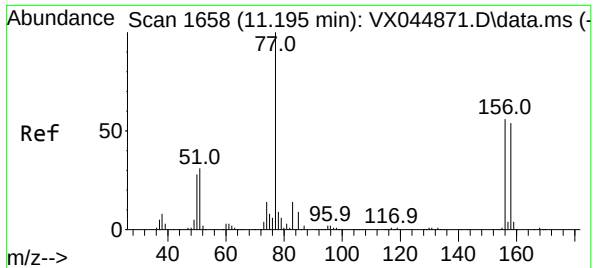
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#76
1,2,3-Trichloropropane
Concen: 49.852 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

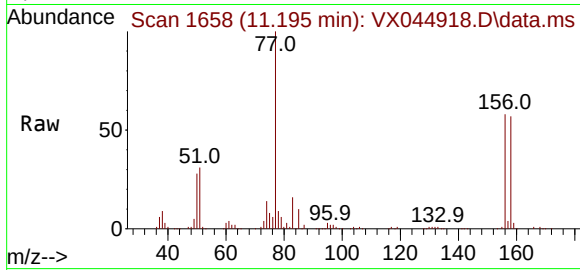
Tgt Ion: 75 Resp: 89430
Ion Ratio Lower Upper
75 100
77 42.2 21.9 65.7





#77
Bromobenzene
Concen: 49.464 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

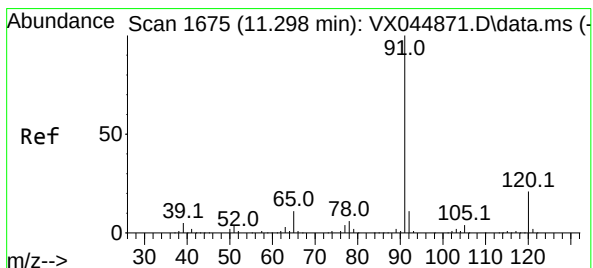
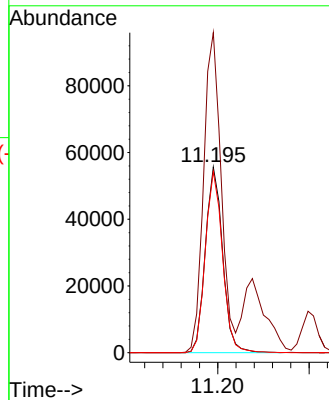
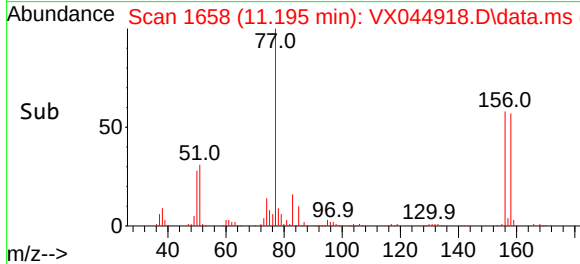
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



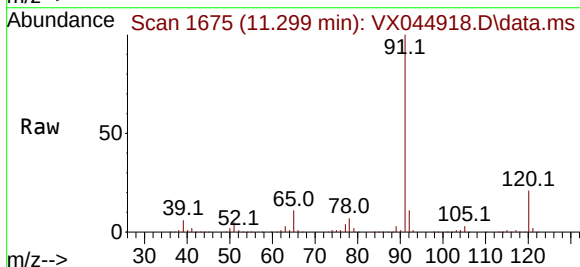
Tgt Ion:156 Resp: 73059
Ion Ratio Lower Upper
156 100
77 174.7 88.4 265.3
158 97.7 48.4 145.2

Manual Integrations
APPROVED

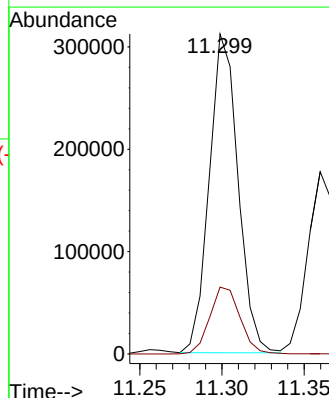
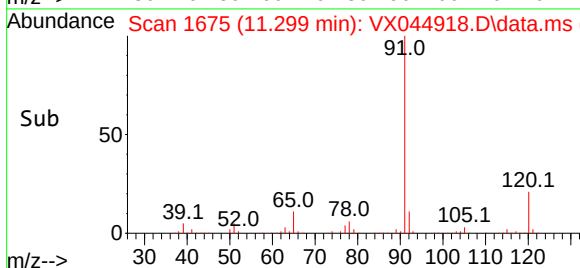
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

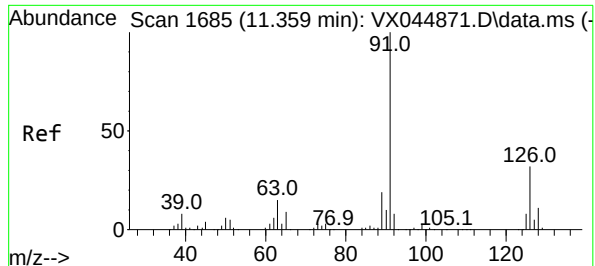


#78
n-propylbenzene
Concen: 50.468 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50



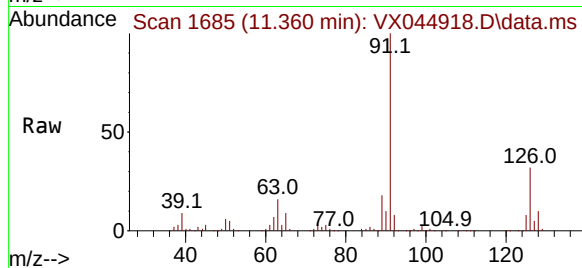
Tgt Ion: 91 Resp: 379500
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3





#79
2-Chlorotoluene
Concen: 48.410 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

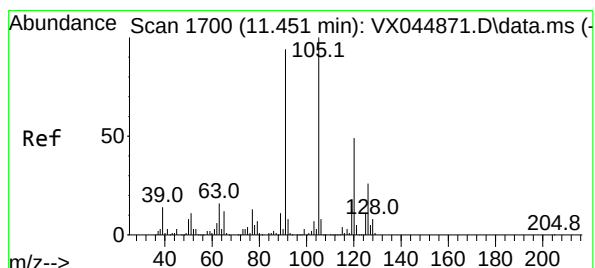
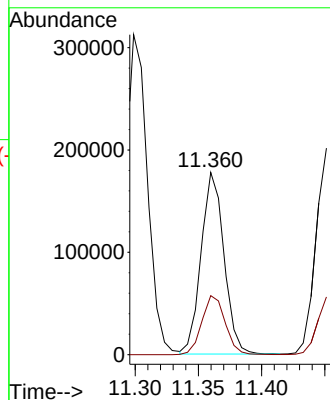
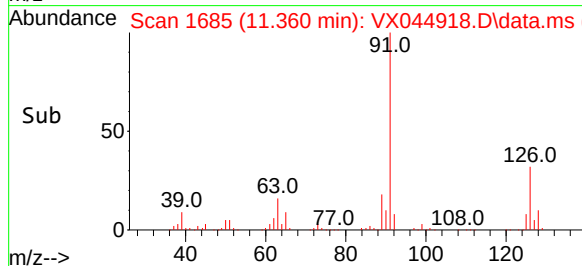
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



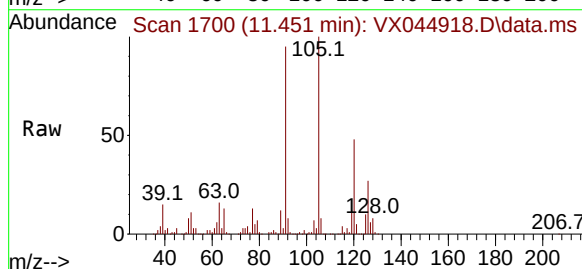
Tgt Ion: 91 Resp: 22372
Ion Ratio Lower Upper
91 100
126 33.3 16.2 48.6

Manual Integrations
APPROVED

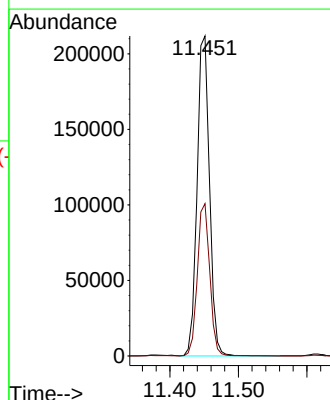
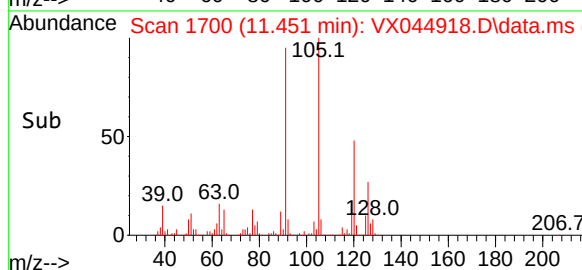
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

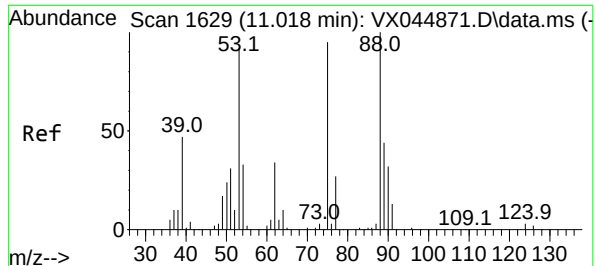


#80
1,3,5-Trimethylbenzene
Concen: 50.528 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50



Tgt Ion:105 Resp: 267127
Ion Ratio Lower Upper
105 100
120 47.6 24.0 72.0





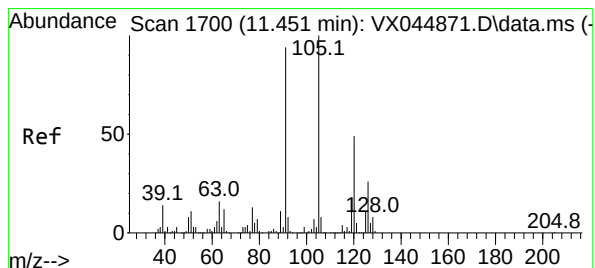
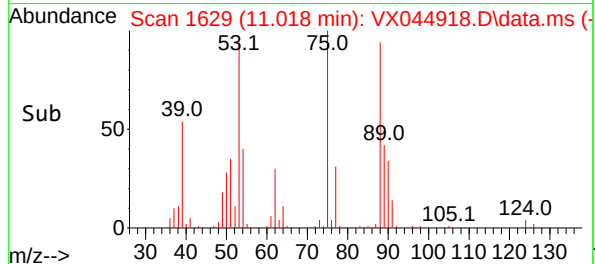
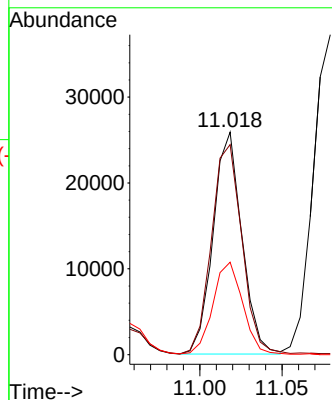
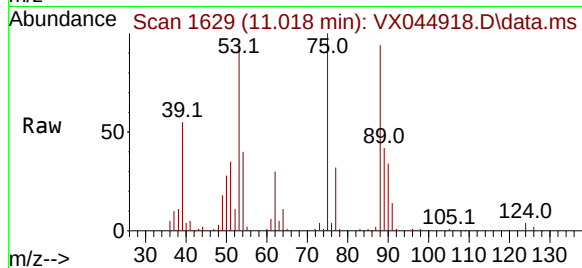
#81
trans-1,4-Dichloro-2-butene
Concen: 45.171 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 3150
Ion Ratio Lower Upper
75 100
53 101.4 78.0 117.0
89 43.6 36.6 54.8

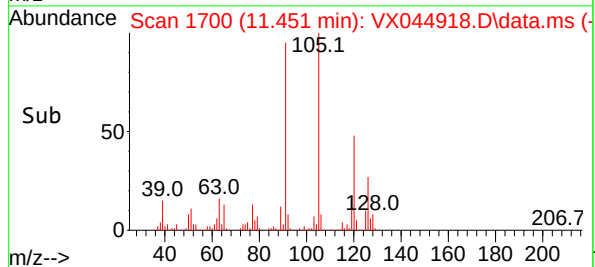
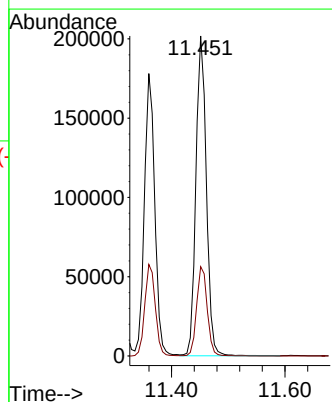
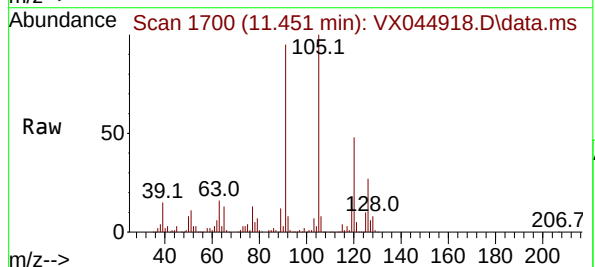
Manual Integrations
APPROVED

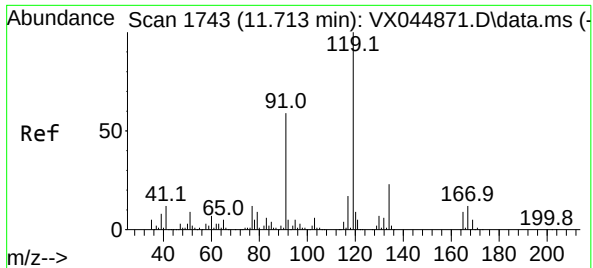
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#82
4-Chlorotoluene
Concen: 50.364 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

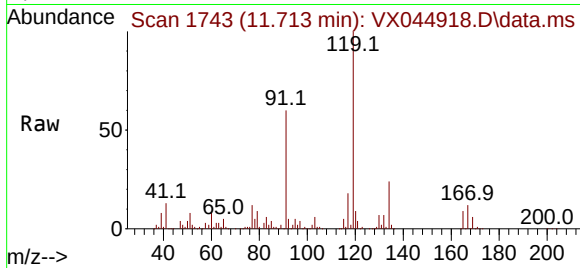
Tgt Ion: 91 Resp: 257507
Ion Ratio Lower Upper
91 100
126 28.4 14.2 42.6





#83
tert-Butylbenzene
Concen: 49.697 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

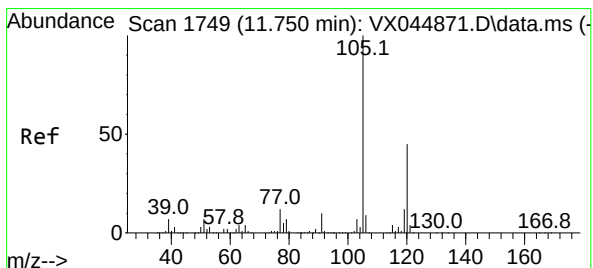
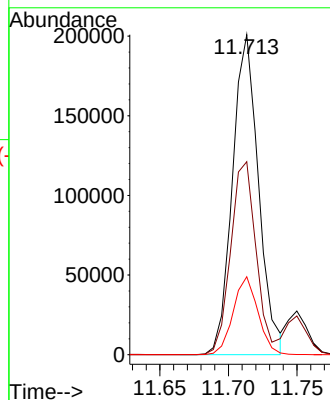
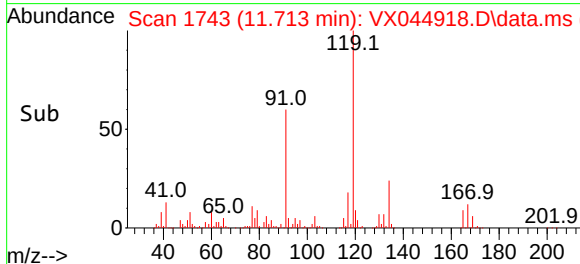
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:119 Resp: 265793
Ion Ratio Lower Upper
119 100
91 58.4 29.1 87.4
134 23.2 11.5 34.5

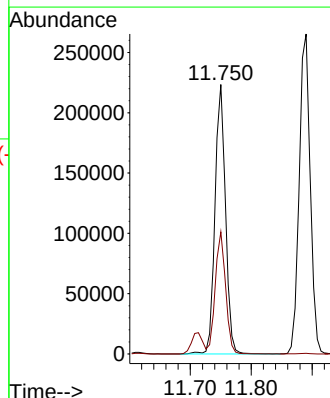
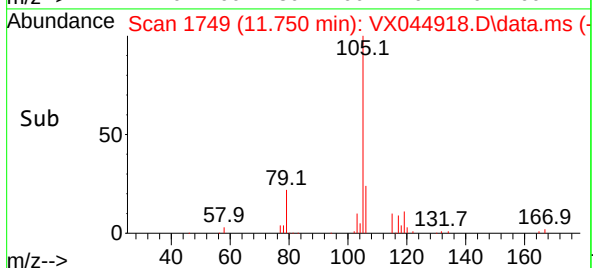
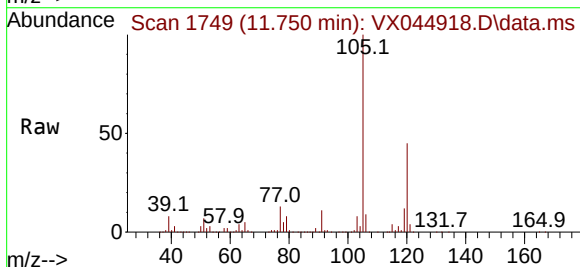
Manual Integrations
APPROVED

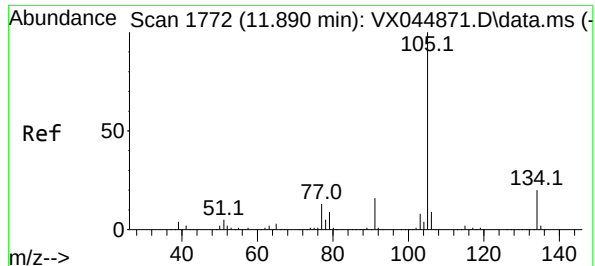
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#84
1,2,4-Trimethylbenzene
Concen: 51.168 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:105 Resp: 266991
Ion Ratio Lower Upper
105 100
120 44.8 22.4 67.0





#85

sec-Butylbenzene

Concen: 50.433 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 334004

Ion Ratio Lower Upper

105 100

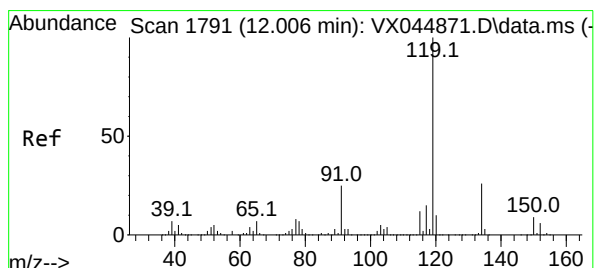
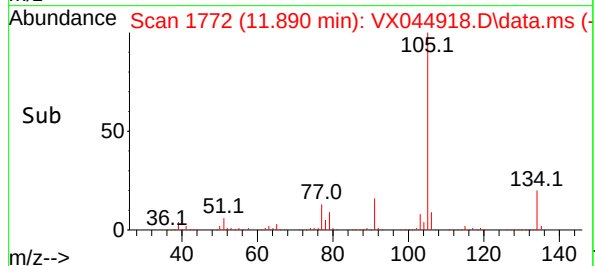
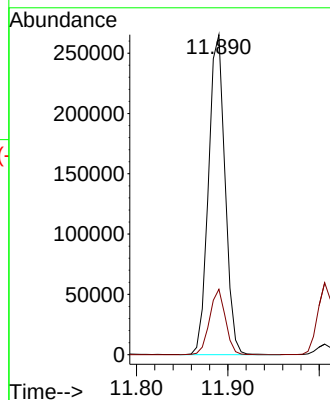
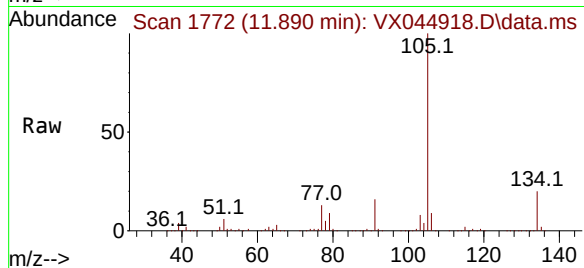
134 19.6 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#86

p-Isopropyltoluene

Concen: 50.599 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

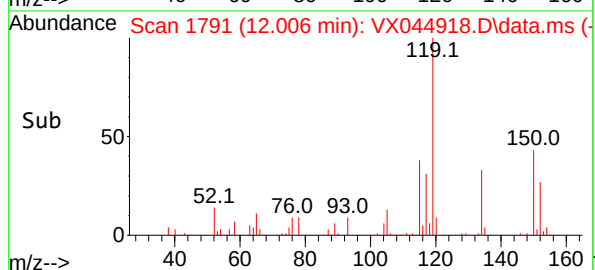
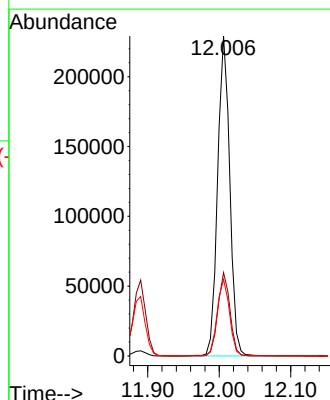
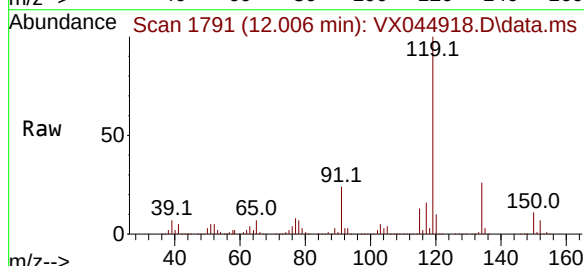
Tgt Ion:119 Resp: 269485

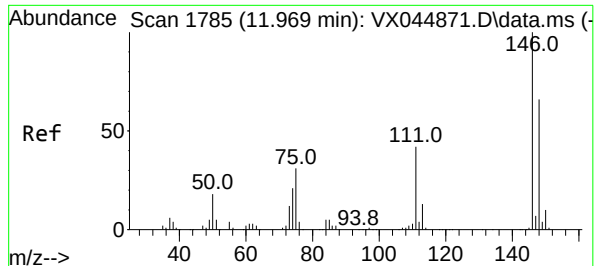
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 24.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 48.692 ug/l

RT: 11.963 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 132254

Ion Ratio Lower Upper

146 100

111 42.8 21.2 63.6

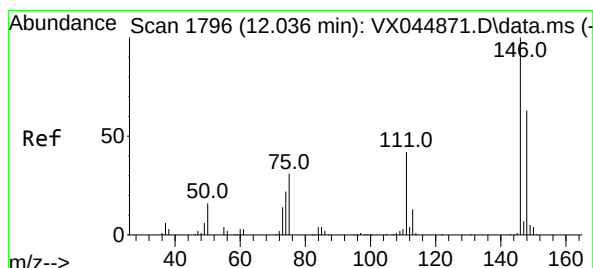
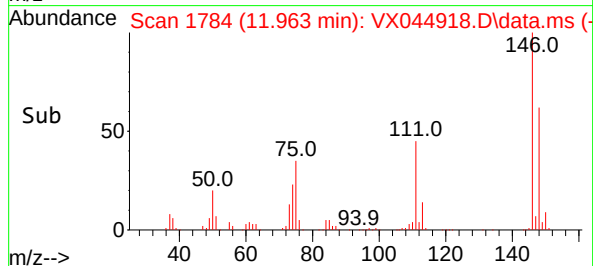
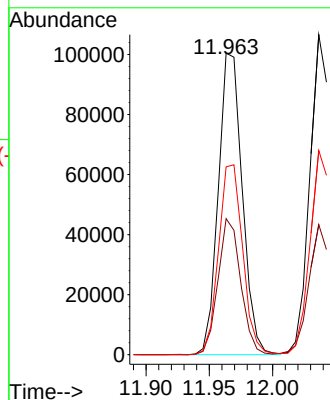
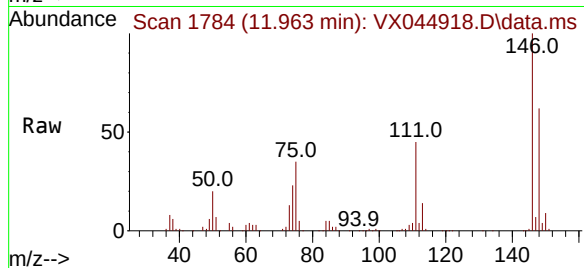
148 63.5 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#88

1,4-Dichlorobenzene

Concen: 48.007 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

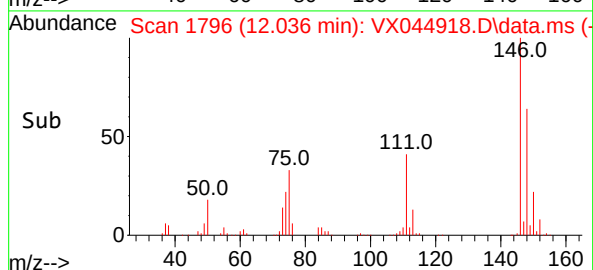
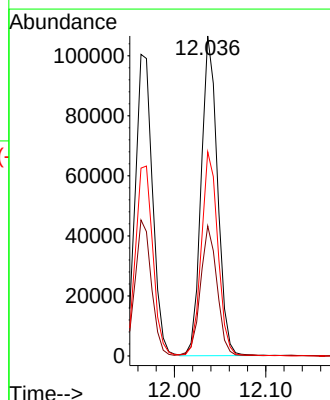
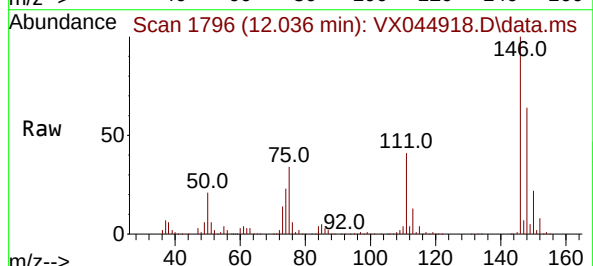
Tgt Ion:146 Resp: 131837

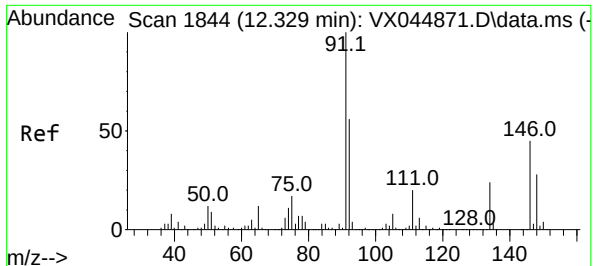
Ion Ratio Lower Upper

146 100

111 41.2 20.4 61.3

148 64.9 32.0 96.0





#89

n-Butylbenzene

Concen: 51.376 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044918.D

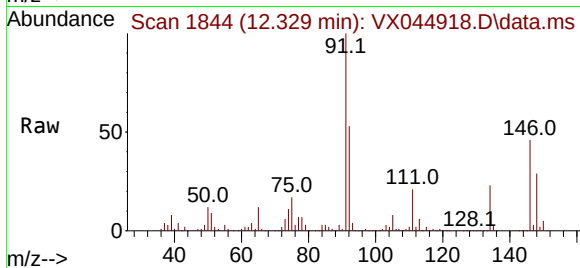
Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 91 Resp: 242069

Ion Ratio Lower Upper

91 100

92 53.8 27.2 81.6

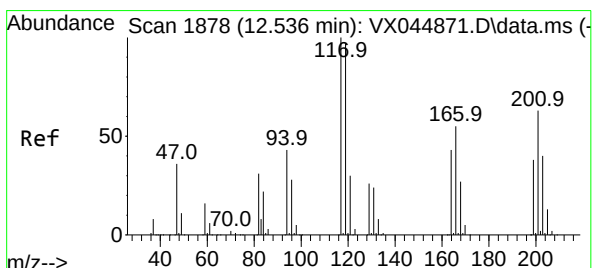
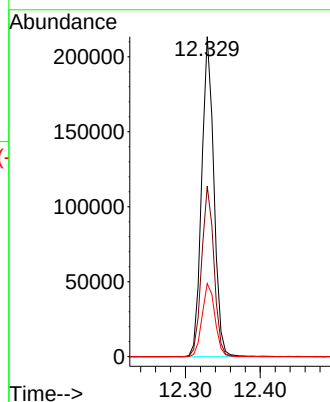
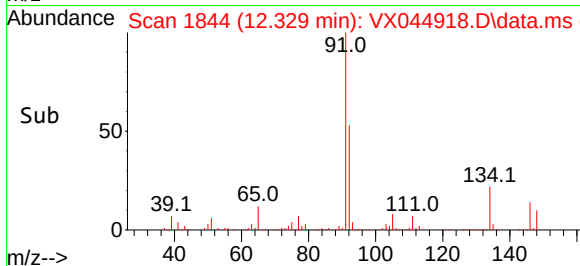
134 24.1 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#90

Hexachloroethane

Concen: 47.657 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044918.D

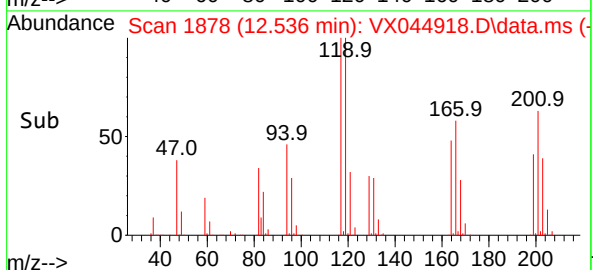
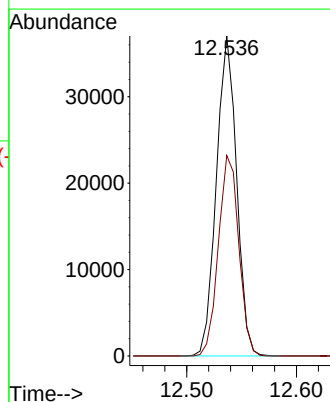
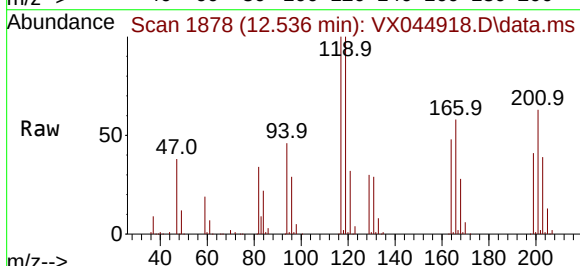
Acq: 11 Feb 2025 19:50

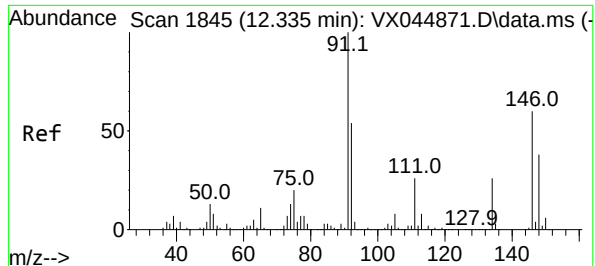
Tgt Ion:117 Resp: 47525

Ion Ratio Lower Upper

117 100

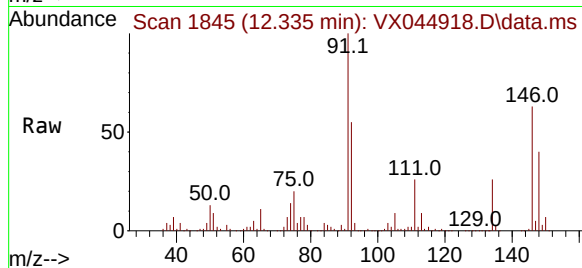
201 63.3 32.5 97.5





#91
1,2-Dichlorobenzene
Concen: 50.047 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

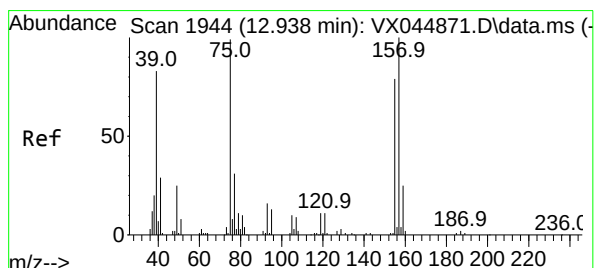
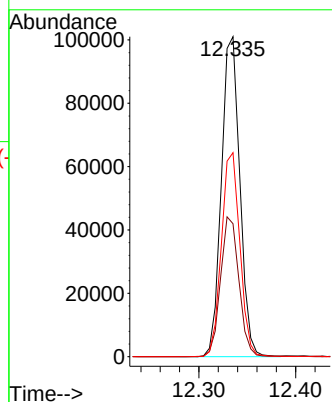
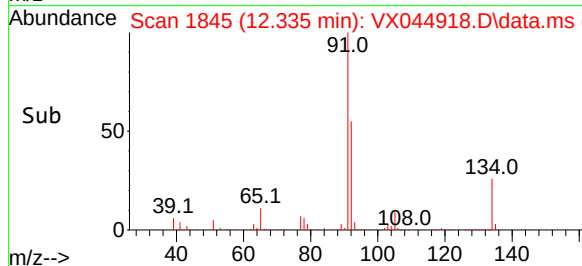
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



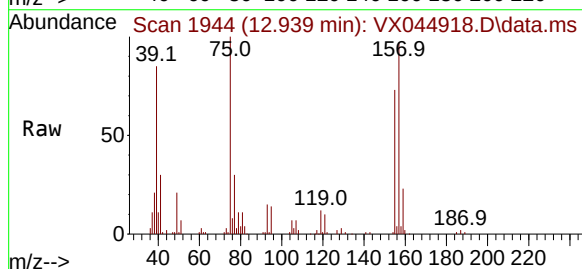
Tgt Ion:146 Resp: 13359
Ion Ratio Lower Upper
146 100
111 43.5 21.8 65.4
148 63.7 31.9 95.9

Manual Integrations
APPROVED

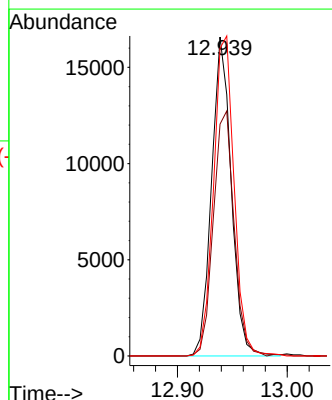
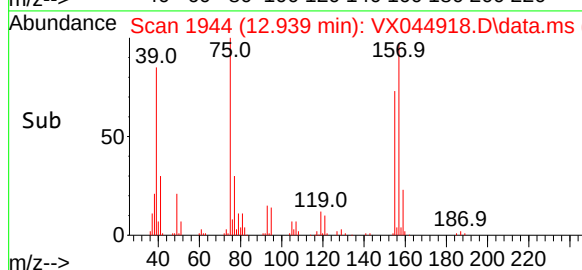
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

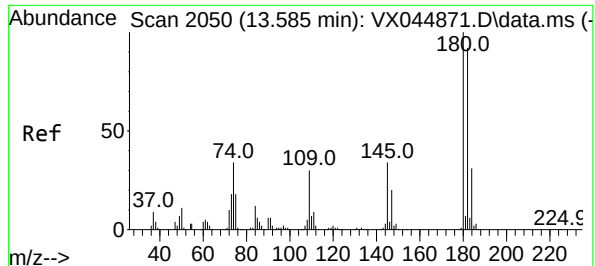


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.565 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50



Tgt Ion: 75 Resp: 20660
Ion Ratio Lower Upper
75 100
155 80.9 40.5 121.4
157 104.9 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 49.345 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:180 Resp: 79700

Ion Ratio Lower Upper

180 100

182 95.4 47.6 142.8

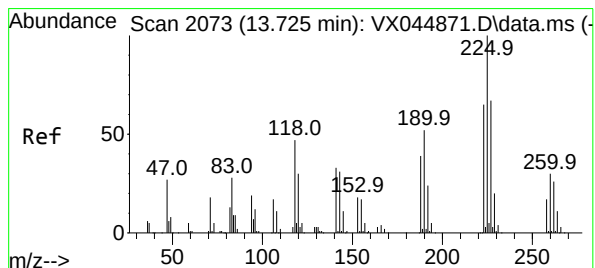
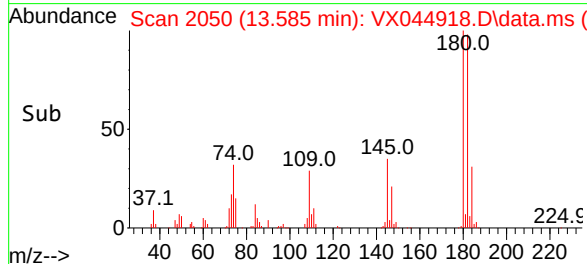
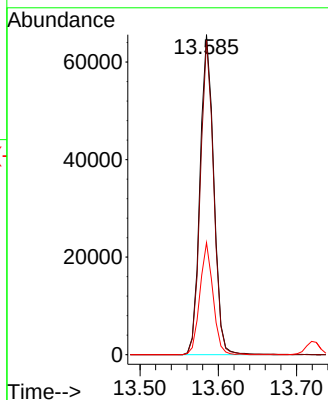
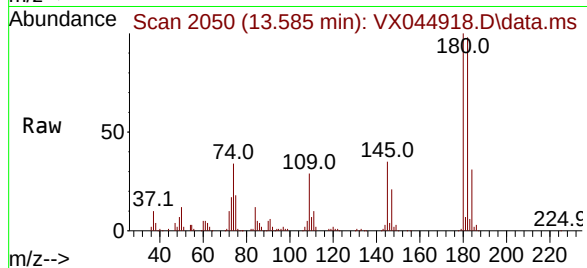
145 33.5 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#94

Hexachlorobutadiene

Concen: 46.929 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

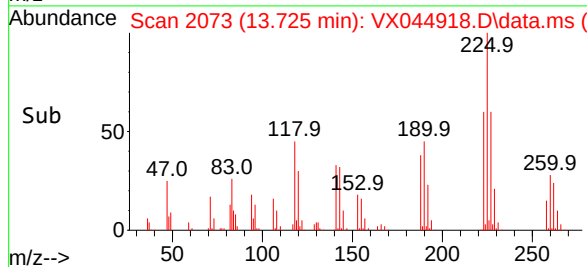
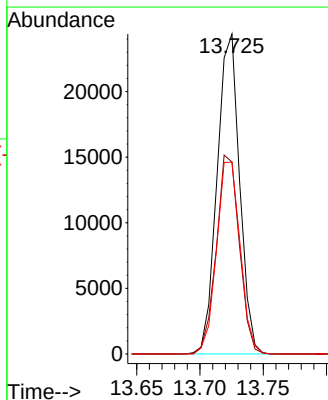
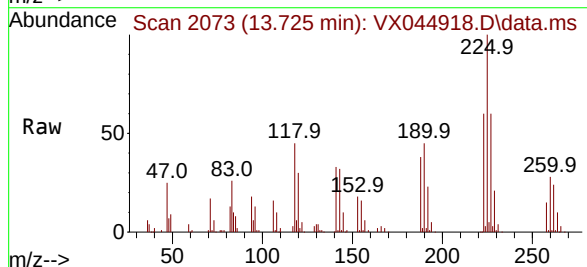
Tgt Ion:225 Resp: 30093

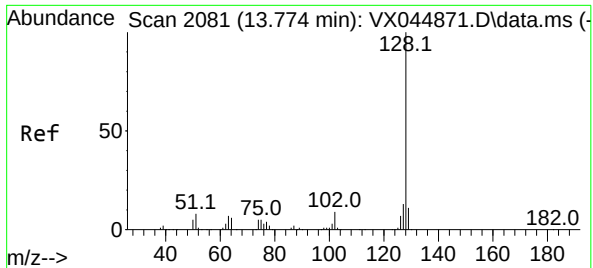
Ion Ratio Lower Upper

225 100

223 63.5 31.4 94.2

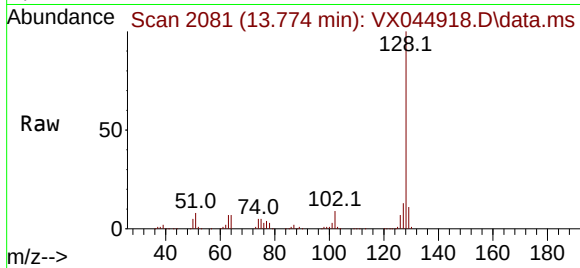
227 63.0 32.3 96.8





#95
Naphthalene
Concen: 51.251 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

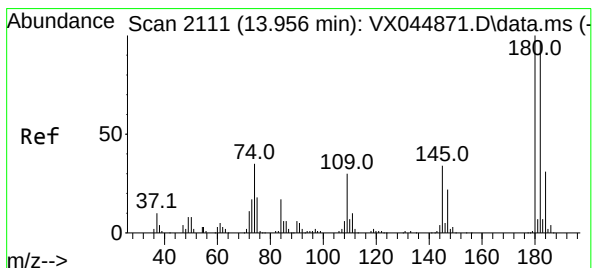
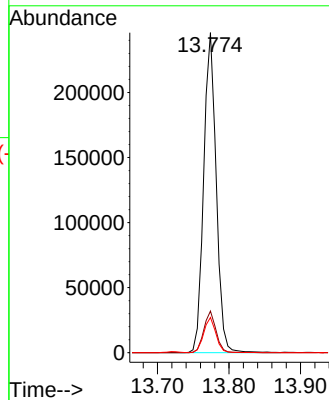
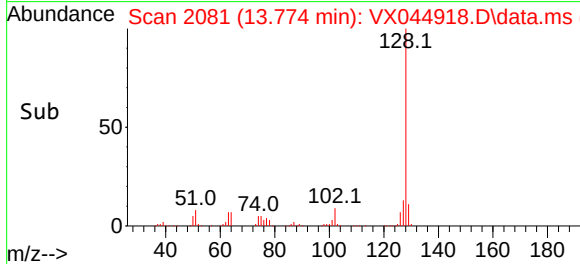
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:128 Resp: 299250
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.8 8.9 13.3

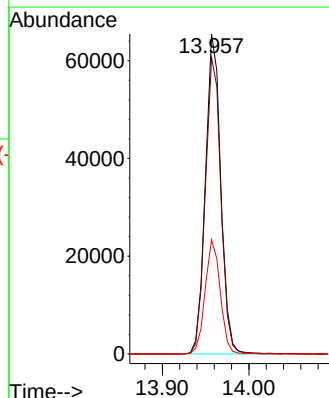
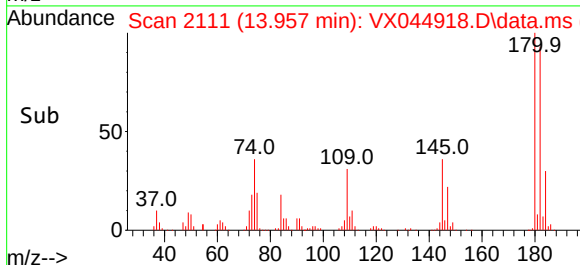
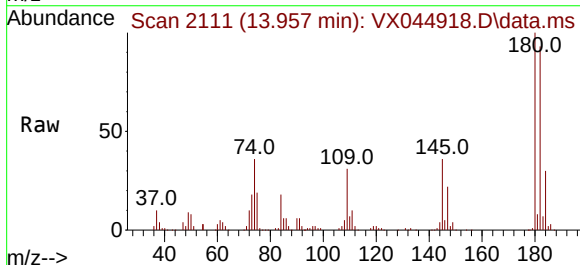
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.658 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:180 Resp: 80826
Ion Ratio Lower Upper
180 100
182 93.7 47.9 143.6
145 35.0 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044918.D
 Acq On : 11 Feb 2025 19:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Feb 12 02:47:38 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	89	0.00
2 T	Dichlorodifluoromethane	0.701	0.693	1.1	88	0.00
3 P	Chloromethane	0.854	0.814	4.7	86	0.00
4 C	Vinyl Chloride	0.827	0.810	2.1#	89	0.00
5 T	Bromomethane	0.247	0.249	-0.8	89	0.00
6 T	Chloroethane	0.307	0.270	12.1	71	0.00
7 T	Trichlorofluoromethane	1.046	1.025	2.0	89	0.00
8 T	Diethyl Ether	0.379	0.376	0.8	89	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.632	0.619	2.1	88	0.00
10 T	Methyl Iodide	0.819	0.834	-1.8	88	0.00
11 T	Tert butyl alcohol	0.136	0.136	0.0	89	0.01
12 CM	1,1-Dichloroethene	0.644	0.623	3.3#	88	0.00
13 T	Acrolein	0.140	0.148	-5.7	93	0.00
14 T	Allyl chloride	1.165	1.104	5.2	85	0.00
15 T	Acrylonitrile	0.363	0.370	-1.9	87	0.00
16 T	Acetone	0.294	0.305	-3.7	93	0.00
17 T	Carbon Disulfide	1.767	1.618	8.4	82	0.00
18 T	Methyl Acetate	0.928	0.960	-3.4	90	0.00
19 T	Methyl tert-butyl Ether	2.050	2.032	0.9	89	0.00
20 T	Methylene Chloride	0.721	0.705	2.2	89	0.00
21 T	trans-1,2-Dichloroethene	0.634	0.630	0.6	88	0.00
22 T	Diisopropyl ether	2.203	2.241	-1.7	89	0.00
23 T	Vinyl Acetate	1.796	1.830	-1.9	88	0.00
24 P	1,1-Dichloroethane	1.233	1.221	1.0	89	0.00
25 T	2-Butanone	0.478	0.501	-4.8	88	0.00
26 T	2,2-Dichloropropane	0.978	0.803	17.9	75	0.00
27 T	cis-1,2-Dichloroethene	0.762	0.753	1.2	89	0.00
28 T	Bromochloromethane	0.593	0.528	11.0	81	0.00
29 T	Tetrahydrofuran	0.317	0.331	-4.4	90	0.00
30 C	Chloroform	1.196	1.191	0.4#	91	0.00
31 T	Cyclohexane	1.137	1.073	5.6	85	0.00
32 T	1,1,1-Trichloroethane	1.014	0.996	1.8	88	0.00
33 S	1,2-Dichloroethane-d4	0.732	0.764	-4.4	94	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
35 S	Dibromofluoromethane	0.325	0.335	-3.1	93	0.00
36 T	1,1-Dichloropropene	0.469	0.441	6.0	85	0.00
37 T	Ethyl Acetate	0.522	0.529	-1.3	90	0.00
38 T	Carbon Tetrachloride	0.460	0.434	5.7	86	0.00
39 T	Methylcyclohexane	0.606	0.593	2.1	85	0.00
40 TM	Benzene	1.465	1.452	0.9	88	0.00
41 T	Methacrylonitrile	0.279	0.300	-7.5	89	0.00
42 TM	1,2-Dichloroethane	0.467	0.479	-2.6	91	0.00
43 T	Isopropyl Acetate	0.842	0.851	-1.1	87	0.00
44 TM	Trichloroethene	0.335	0.327	2.4	87	0.00
45 C	1,2-Dichloropropane	0.364	0.360	1.1#	88	0.00
46 T	Dibromomethane	0.253	0.255	-0.8	89	0.00
47 T	Bromodichloromethane	0.489	0.494	-1.0	88	0.00
48 T	Methyl methacrylate	0.397	0.413	-4.0	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044918.D
 Acq On : 11 Feb 2025 19:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Feb 12 02:47:38 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	89	0.00
50 S	Toluene-d8	1.229	1.258	-2.4	91	0.00
51 T	4-Methyl-2-Pentanone	0.512	0.538	-5.1	87	0.00
52 CM	Toluene	0.872	0.876	-0.5#	87	0.00
53 T	t-1,3-Dichloropropene	0.495	0.479	3.2	83	0.00
54 T	cis-1,3-Dichloropropene	0.552	0.542	1.8	84	0.00
55 T	1,1,2-Trichloroethane	0.335	0.336	-0.3	88	0.00
56 T	Ethyl methacrylate	0.542	0.551	-1.7	85	0.00
57 T	1,3-Dichloropropane	0.587	0.591	-0.7	87	0.00
58 T	2-Chloroethyl Vinyl ether	0.266	0.279	-4.9	87	0.00
59 T	2-Hexanone	0.369	0.396	-7.3	88	0.00
60 T	Dibromochloromethane	0.359	0.359	0.0	86	0.00
61 T	1,2-Dibromoethane	0.340	0.347	-2.1	88	0.00
62 S	4-Bromofluorobenzene	0.414	0.434	-4.8	90	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
64 T	Tetrachloroethene	0.315	0.295	6.3	86	0.00
65 PM	Chlorobenzene	1.074	1.035	3.6	86	0.00
66 T	1,1,1,2-Tetrachloroethane	0.346	0.332	4.0	85	0.00
67 C	Ethyl Benzene	1.895	1.868	1.4#	87	0.00
68 T	m/p-Xylenes	0.699	0.685	2.0	86	0.00
69 T	o-Xylene	0.701	0.680	3.0	87	0.00
70 T	Styrene	1.130	1.139	-0.8	86	0.00
71 P	Bromoform	0.258	0.253	1.9	82	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
73 T	Isopropylbenzene	4.026	4.019	0.2	87	0.00
74 T	N-amyl acetate	1.822	1.870	-2.6	86	0.00
75 P	1,1,2,2-Tetrachloroethane	1.383	1.357	1.9	87	0.00
76 T	1,2,3-Trichloropropane	1.109	1.105	0.4	87	0.00
77 T	Bromobenzene	0.913	0.903	1.1	87	0.00
78 T	n-propylbenzene	4.647	4.690	-0.9	87	0.00
79 T	2-Chlorotoluene	2.856	2.765	3.2	85	0.00
80 T	1,3,5-Trimethylbenzene	3.267	3.302	-1.1	87	0.00
81 T	trans-1,4-Dichloro-2-butene	0.431	0.389	9.7	78	0.00
82 T	4-Chlorotoluene	3.160	3.183	-0.7	87	0.00
83 T	tert-Butylbenzene	3.305	3.285	0.6	87	0.00
84 T	1,2,4-Trimethylbenzene	3.225	3.300	-2.3	86	0.00
85 T	sec-Butylbenzene	4.093	4.128	-0.9	87	0.00
86 T	p-Isopropyltoluene	3.291	3.331	-1.2	85	0.00
87 T	1,3-Dichlorobenzene	1.678	1.635	2.6	85	0.00
88 T	1,4-Dichlorobenzene	1.697	1.629	4.0	84	0.00
89 T	n-Butylbenzene	2.912	2.992	-2.7	84	0.00
90 T	Hexachloroethane	0.616	0.587	4.7	83	0.00
91 T	1,2-Dichlorobenzene	1.650	1.651	-0.1	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.252	0.255	-1.2	86	0.00
93 T	1,2,4-Trichlorobenzene	0.998	0.985	1.3	85	0.00
94 T	Hexachlorobutadiene	0.396	0.372	6.1	85	0.00
95 T	Naphthalene	3.608	3.699	-2.5	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 12 02:47:38 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	0.999	0.7	85	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044918.D
 Acq On : 11 Feb 2025 19:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Feb 12 02:47:38 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	89	0.00
2 T	Dichlorodifluoromethane	50.000	49.419	1.2	88	0.00
3 P	Chloromethane	50.000	47.674	4.7	86	0.00
4 C	Vinyl Chloride	50.000	48.959	2.1#	89	0.00
5 T	Bromomethane	50.000	50.267	-0.5	89	0.00
6 T	Chloroethane	50.000	40.693	18.6	71	0.00
7 T	Trichlorofluoromethane	50.000	48.991	2.0	89	0.00
8 T	Diethyl Ether	50.000	49.531	0.9	89	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.954	2.1	88	0.00
10 T	Methyl Iodide	50.000	50.957	-1.9	88	0.00
11 T	Tert butyl alcohol	250.000	250.247	-0.1	89	0.01
12 CM	1,1-Dichloroethene	50.000	48.335	3.3#	88	0.00
13 T	Acrolein	250.000	263.373	-5.3	93	0.00
14 T	Allyl chloride	50.000	47.412	5.2	85	0.00
15 T	Acrylonitrile	250.000	254.873	-1.9	87	0.00
16 T	Acetone	250.000	259.058	-3.6	93	0.00
17 T	Carbon Disulfide	50.000	45.780	8.4	82	0.00
18 T	Methyl Acetate	50.000	51.703	-3.4	90	0.00
19 T	Methyl tert-butyl Ether	50.000	49.559	0.9	89	0.00
20 T	Methylene Chloride	50.000	48.945	2.1	89	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.636	0.7	88	0.00
22 T	Diisopropyl ether	50.000	50.840	-1.7	89	0.00
23 T	Vinyl Acetate	250.000	254.613	-1.8	88	0.00
24 P	1,1-Dichloroethane	50.000	49.527	0.9	89	0.00
25 T	2-Butanone	250.000	262.259	-4.9	88	0.00
26 T	2,2-Dichloropropane	50.000	41.086	17.8	75	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.402	1.2	89	0.00
28 T	Bromochloromethane	50.000	44.575	10.8	81	0.00
29 T	Tetrahydrofuran	250.000	260.913	-4.4	90	0.00
30 C	Chloroform	50.000	49.806	0.4#	91	0.00
31 T	Cyclohexane	50.000	47.217	5.6	85	0.00
32 T	1,1,1-Trichloroethane	50.000	49.107	1.8	88	0.00
33 S	1,2-Dichloroethane-d4	50.000	52.162	-4.3	94	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	89	0.00
35 S	Dibromofluoromethane	50.000	51.520	-3.0	93	0.00
36 T	1,1-Dichloropropene	50.000	46.974	6.1	85	0.00
37 T	Ethyl Acetate	50.000	50.702	-1.4	90	0.00
38 T	Carbon Tetrachloride	50.000	47.211	5.6	86	0.00
39 T	Methylcyclohexane	50.000	48.896	2.2	85	0.00
40 TM	Benzene	50.000	49.575	0.8	88	0.00
41 T	Methacrylonitrile	50.000	53.690	-7.4	89	0.00
42 TM	1,2-Dichloroethane	50.000	51.275	-2.5	91	0.00
43 T	Isopropyl Acetate	50.000	50.486	-1.0	87	0.00
44 TM	Trichloroethene	50.000	48.777	2.4	87	0.00
45 C	1,2-Dichloropropane	50.000	49.460	1.1#	88	0.00
46 T	Dibromomethane	50.000	50.552	-1.1	89	0.00
47 T	Bromodichloromethane	50.000	50.475	-1.0	88	0.00
48 T	Methyl methacrylate	50.000	51.962	-3.9	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044918.D
 Acq On : 11 Feb 2025 19:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Feb 12 02:47:38 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	1056.949	-5.7	89	0.00
50 S	Toluene-d8	50.000	51.148	-2.3	91	0.00
51 T	4-Methyl-2-Pentanone	250.000	262.440	-5.0	87	0.00
52 CM	Toluene	50.000	50.199	-0.4#	87	0.00
53 T	t-1,3-Dichloropropene	50.000	48.347	3.3	83	0.00
54 T	cis-1,3-Dichloropropene	50.000	49.051	1.9	84	0.00
55 T	1,1,2-Trichloroethane	50.000	50.149	-0.3	88	0.00
56 T	Ethyl methacrylate	50.000	50.884	-1.8	85	0.00
57 T	1,3-Dichloropropane	50.000	50.387	-0.8	87	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	262.486	-5.0	87	0.00
59 T	2-Hexanone	250.000	268.451	-7.4	88	0.00
60 T	Dibromochloromethane	50.000	50.063	-0.1	86	0.00
61 T	1,2-Dibromoethane	50.000	51.047	-2.1	88	0.00
62 S	4-Bromofluorobenzene	50.000	52.355	-4.7	90	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	91	0.00
64 T	Tetrachloroethene	50.000	46.738	6.5	86	0.00
65 PM	Chlorobenzene	50.000	48.179	3.6	86	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.081	3.8	85	0.00
67 C	Ethyl Benzene	50.000	49.286	1.4#	87	0.00
68 T	m/p-Xylenes	100.000	97.924	2.1	86	0.00
69 T	o-Xylene	50.000	48.465	3.1	87	0.00
70 T	Styrene	50.000	50.389	-0.8	86	0.00
71 P	Bromoform	50.000	49.045	1.9	82	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	87	0.00
73 T	Isopropylbenzene	50.000	49.916	0.2	87	0.00
74 T	N-ethyl acetate	50.000	51.312	-2.6	86	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.048	1.9	87	0.00
76 T	1,2,3-Trichloropropane	50.000	49.852	0.3	87	0.00
77 T	Bromobenzene	50.000	49.464	1.1	87	0.00
78 T	n-propylbenzene	50.000	50.468	-0.9	87	0.00
79 T	2-Chlorotoluene	50.000	48.410	3.2	85	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.528	-1.1	87	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	45.171	9.7	78	0.00
82 T	4-Chlorotoluene	50.000	50.364	-0.7	87	0.00
83 T	tert-Butylbenzene	50.000	49.697	0.6	87	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.168	-2.3	86	0.00
85 T	sec-Butylbenzene	50.000	50.433	-0.9	87	0.00
86 T	p-Isopropyltoluene	50.000	50.599	-1.2	85	0.00
87 T	1,3-Dichlorobenzene	50.000	48.692	2.6	85	0.00
88 T	1,4-Dichlorobenzene	50.000	48.007	4.0	84	0.00
89 T	n-Butylbenzene	50.000	51.376	-2.8	84	0.00
90 T	Hexachloroethane	50.000	47.657	4.7	83	0.00
91 T	1,2-Dichlorobenzene	50.000	50.047	-0.1	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.565	-1.1	86	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.345	1.3	85	0.00
94 T	Hexachlorobutadiene	50.000	46.929	6.1	85	0.00
95 T	Naphthalene	50.000	51.251	-2.5	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 12 02:47:38 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	49.658	0.7	85	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



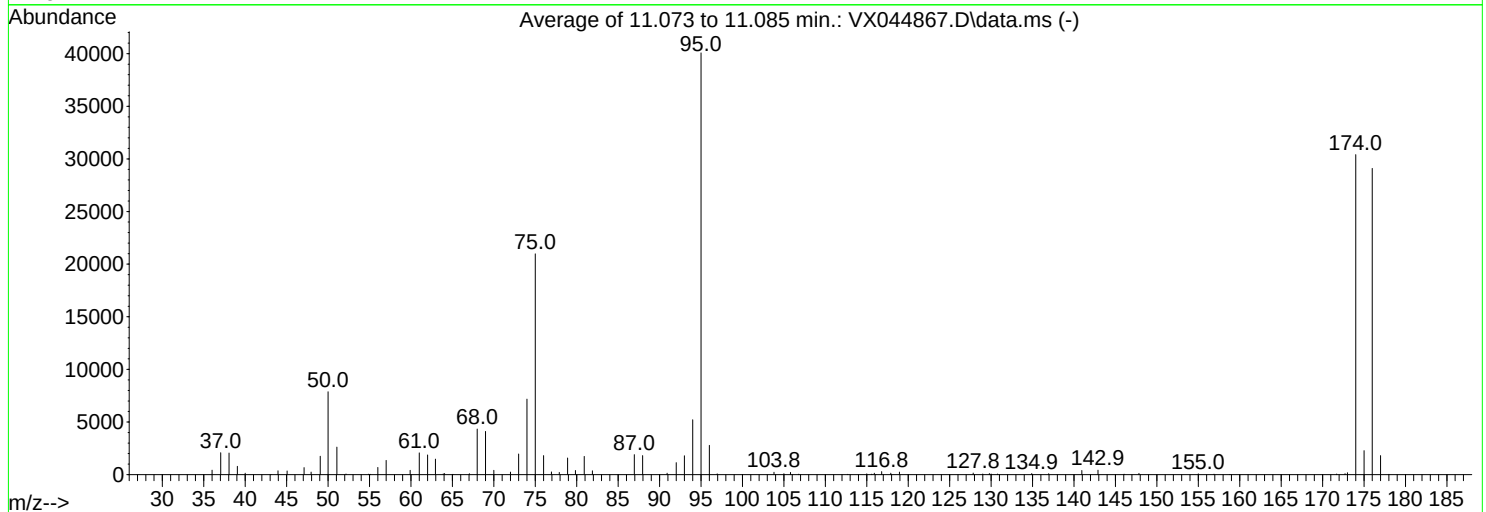
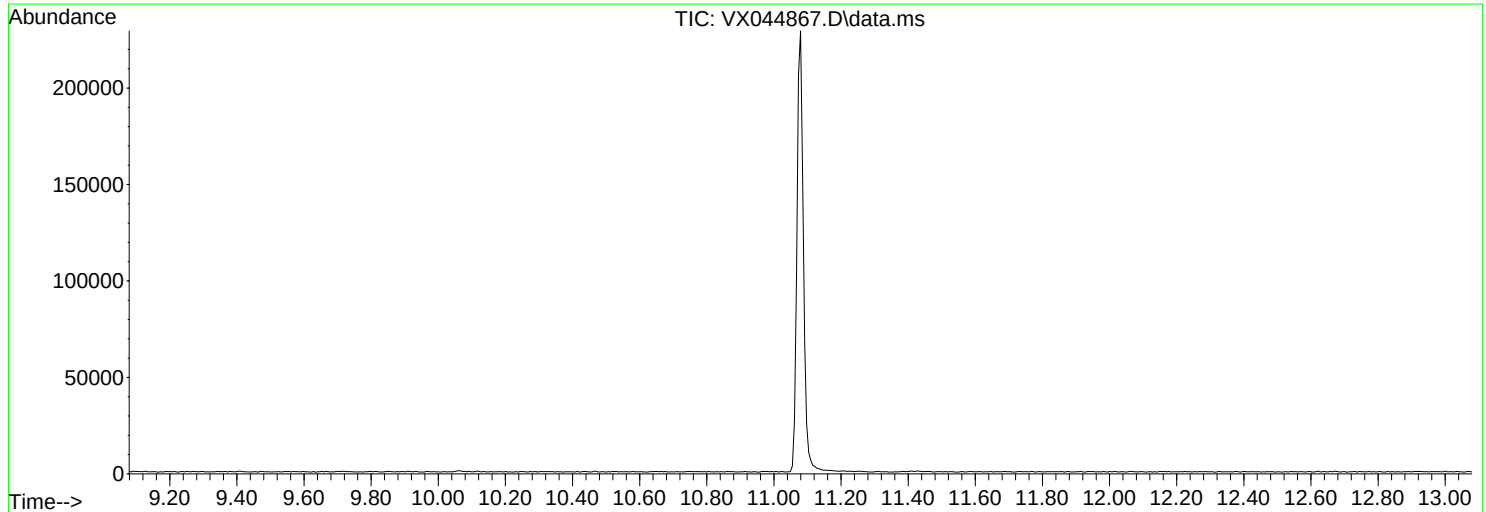
QC SAMPLE DATA

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

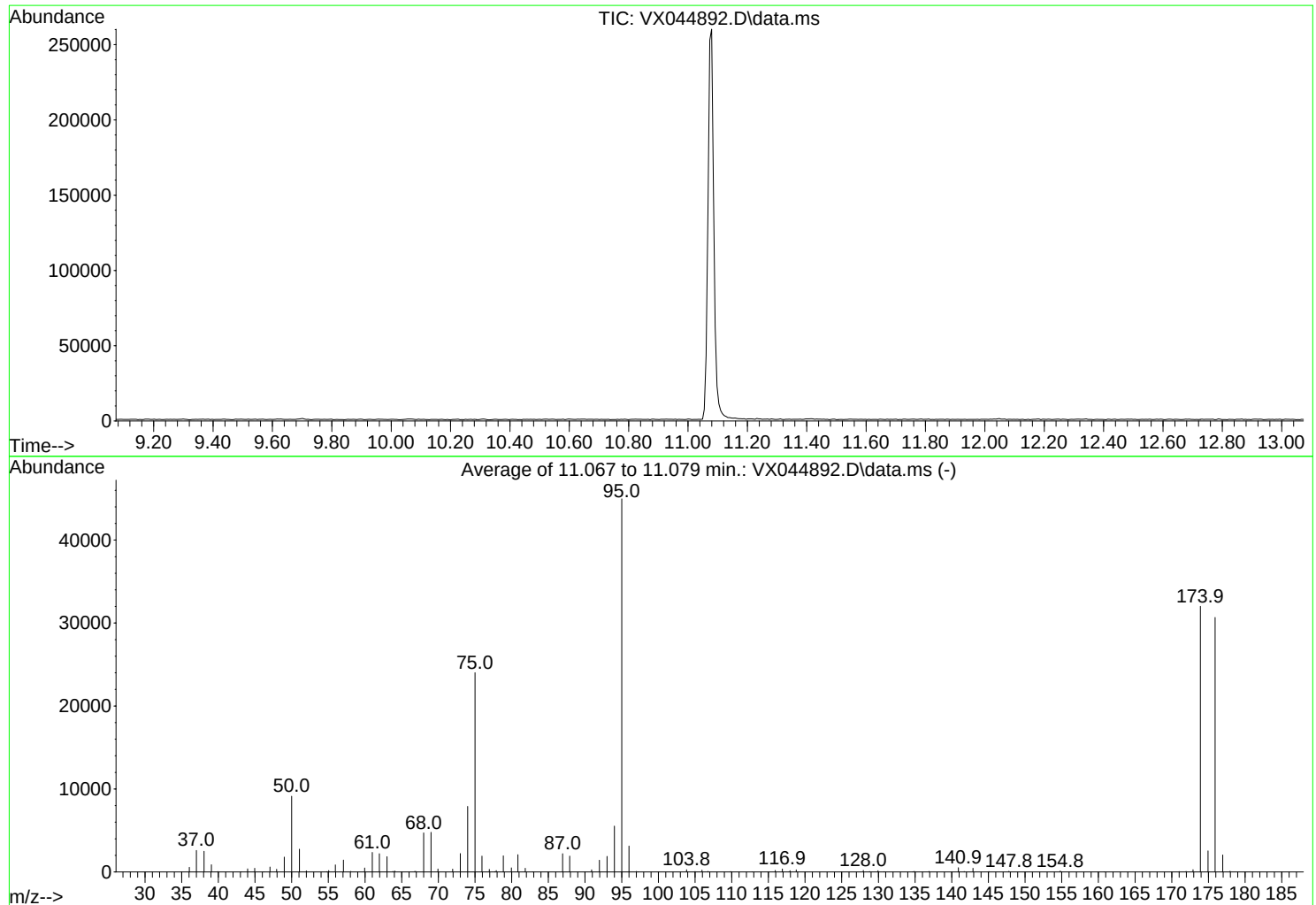
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	7876	PASS
75	95	30	60	52.3	20977	PASS
95	95	100	100	100.0	40077	PASS
96	95	5	9	6.9	2783	PASS
173	174	0.00	2	0.6	186	PASS
174	95	50	100	75.9	30400	PASS
175	174	5	9	7.5	2286	PASS
176	174	95	101	95.7	29104	PASS
177	176	5	9	6.2	1810	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044892.D
Acq On : 11 Feb 2025 08:50
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 1637, 1638, 1639; 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	20.3	9120	PASS
75	95	30	60	53.4	24016	PASS
95	95	100	100	100.0	44971	PASS
96	95	5	9	6.9	3116	PASS
173	174	0.00	2	0.9	283	PASS
174	95	50	100	71.2	32021	PASS
175	174	5	9	7.9	2541	PASS
176	174	95	101	95.8	30669	PASS
177	176	5	9	6.7	2055	PASS

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:			
Project:	CTO WE13			Date Received:			
Client Sample ID:	VX0211WBL01			SDG No.:	Q1327		
Lab Sample ID:	VX0211WBL01			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
VX044895.D	1		02/11/25 11:00	VX021125

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:	VX0211WBL01	SDG No.:	Q1327
Lab Sample ID:	VX0211WBL01	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
VX044895.D	1		02/11/25 11:00	VX021125

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	53.5		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.2		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	98500	5.544				
540-36-3	1,4-Difluorobenzene	199000	6.757				
3114-55-4	Chlorobenzene-d5	183000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	79600	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\VX021125\
 Data File : VX044895.D
 Acq On : 11 Feb 2025 11:00
 Operator : JC/MD
 Sample : VX0211WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBL01

Quant Time: Feb 12 02:37:48 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	98496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	199075	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	183423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79632	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	77084	53.464	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.920%
35) Dibromofluoromethane	5.379	113	65973	50.971	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.940%
50) Toluene-d8	8.647	98	245936	50.249	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.500%
62) 4-Bromofluorobenzene	11.079	95	86470	52.406	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.820%

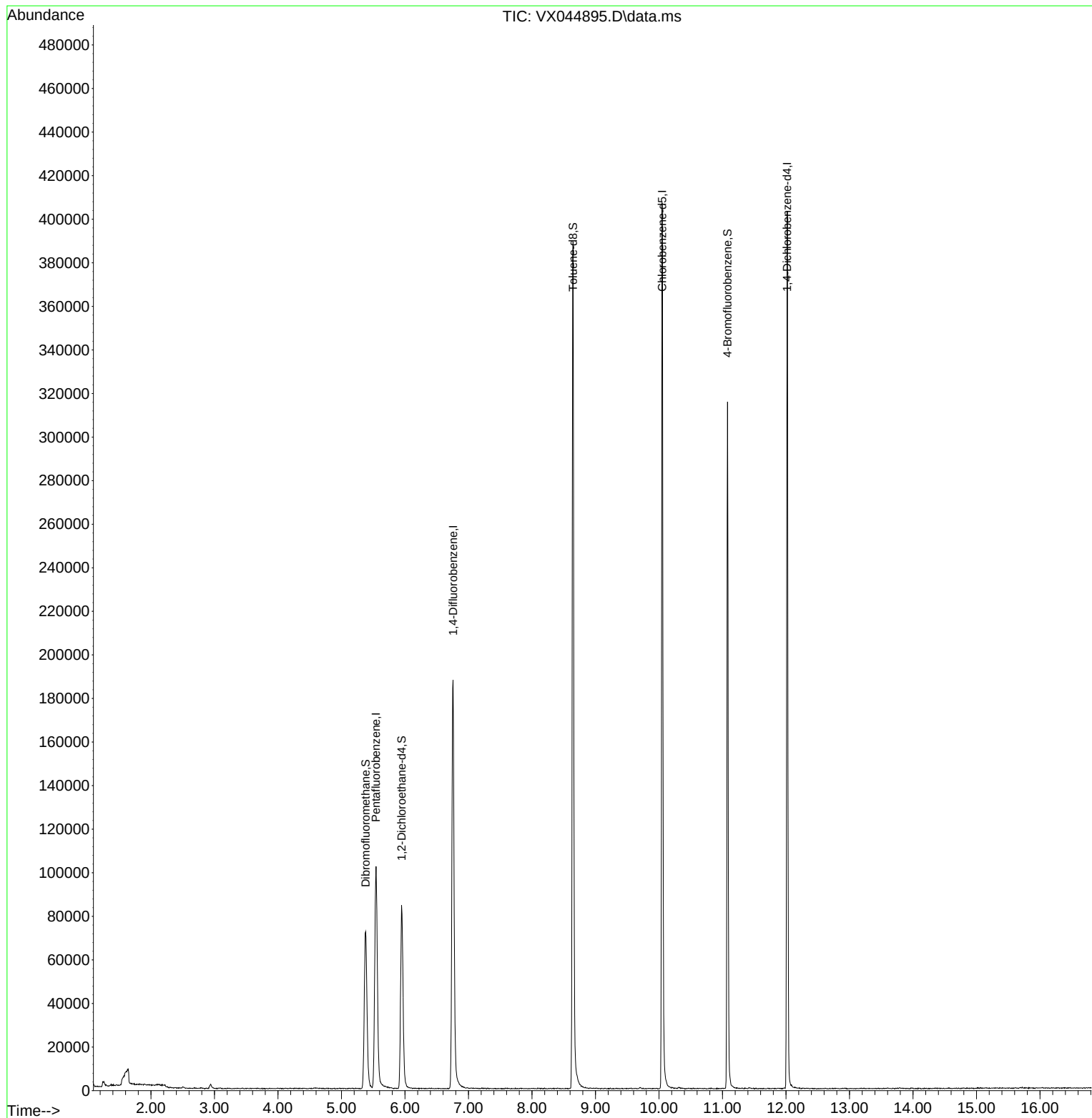
Target Compounds	Qvalue

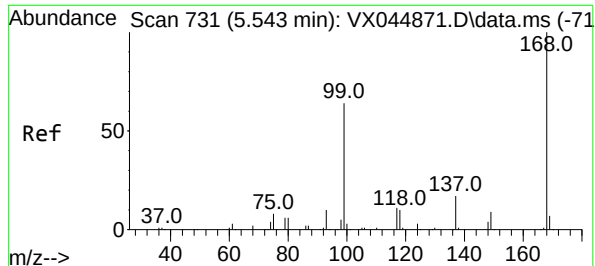
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044895.D
Acq On : 11 Feb 2025 11:00
Operator : JC/MD
Sample : VX0211WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

Quant Time: Feb 12 02:37:48 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: VX044895.D

Acq: 11 Feb 2025 11:00

Instrument :

MSVOA_X

ClientSampleId :

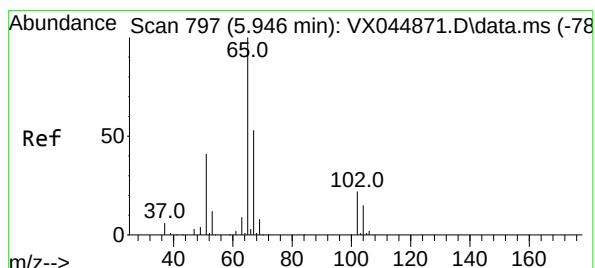
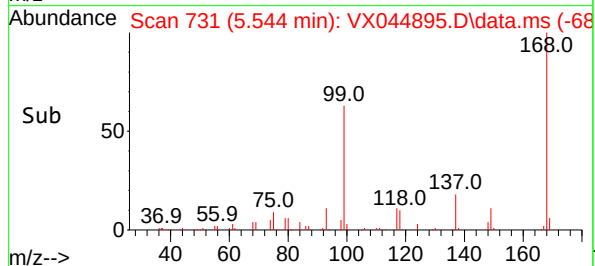
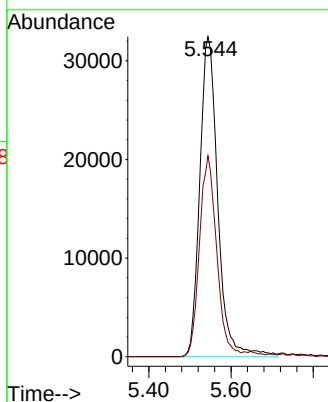
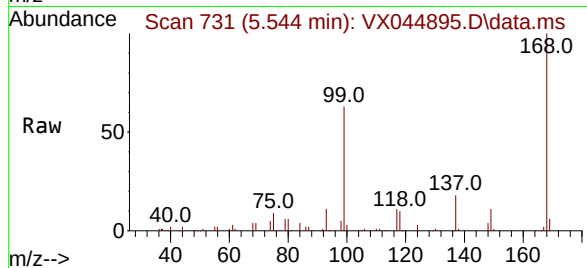
VX0211WBL01

Tgt Ion:168 Resp: 98496

Ion Ratio Lower Upper

168 100

99 62.7 51.2 76.8



#33

1,2-Dichloroethane-d4

Concen: 53.464 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044895.D

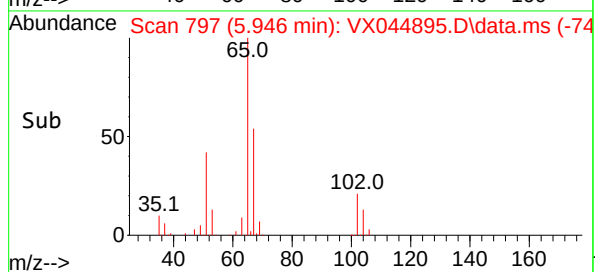
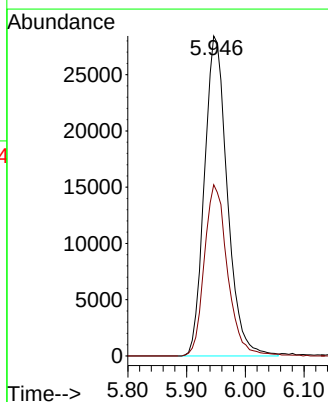
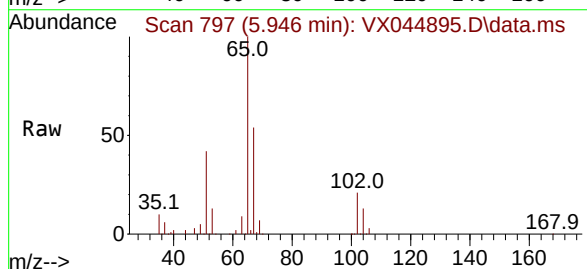
Acq: 11 Feb 2025 11:00

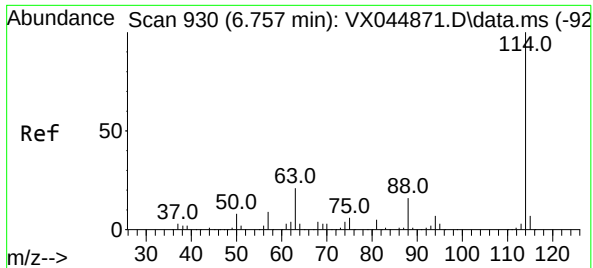
Tgt Ion: 65 Resp: 77084

Ion Ratio Lower Upper

65 100

67 54.3 0.0 108.2

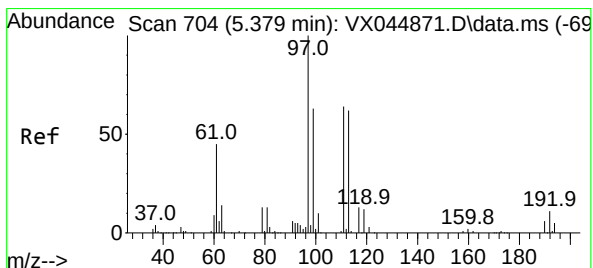
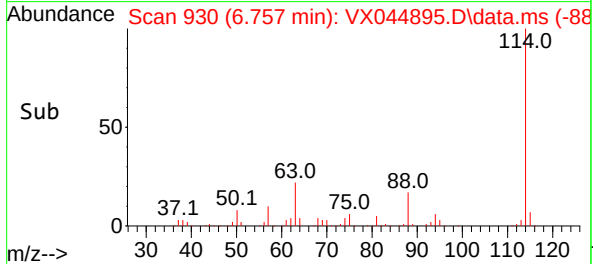
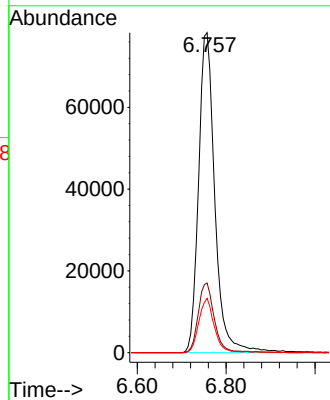
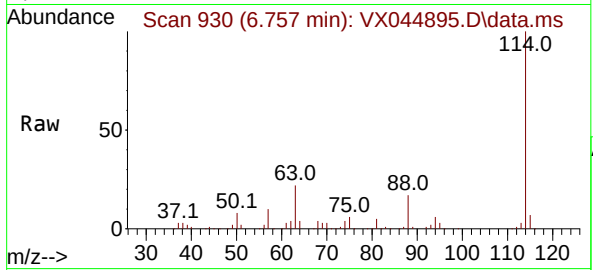




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX044895.D
Acq: 11 Feb 2025 11:00

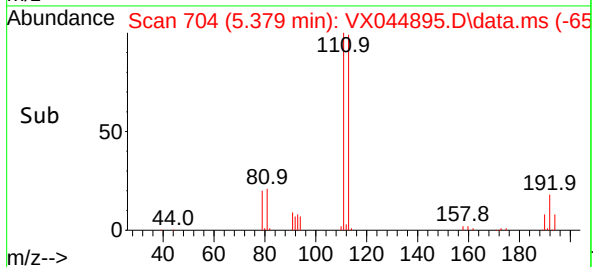
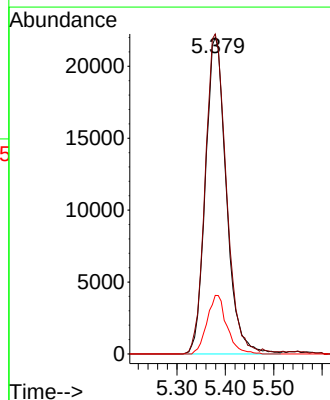
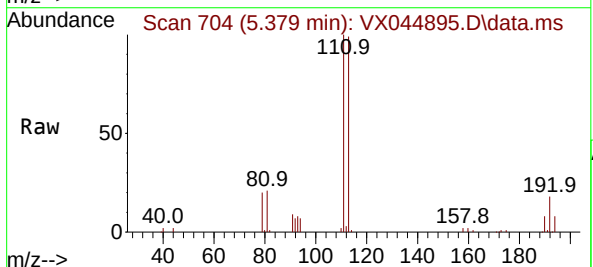
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

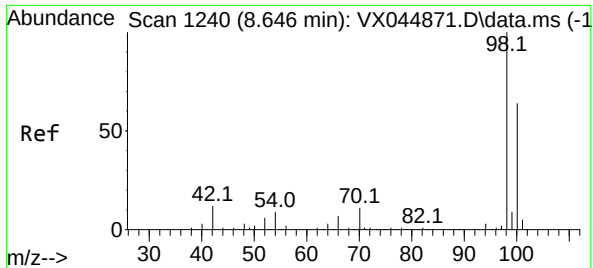
Tgt Ion:114 Resp: 199075
Ion Ratio Lower Upper
114 100
63 21.8 0.0 42.4
88 17.0 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.971 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044895.D
Acq: 11 Feb 2025 11:00

Tgt Ion:113 Resp: 65973
Ion Ratio Lower Upper
113 100
111 102.1 83.5 125.3
192 17.5 14.4 21.6





#50

Toluene-d8

Concen: 50.249 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044895.D

Acq: 11 Feb 2025 11:00

Instrument :

MSVOA_X

ClientSampleId :

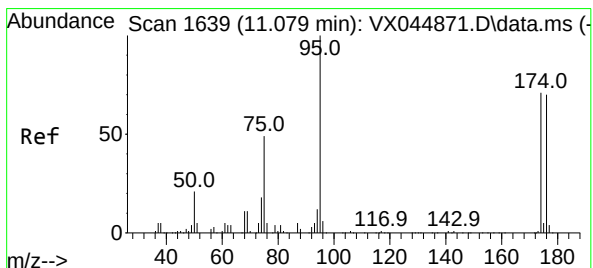
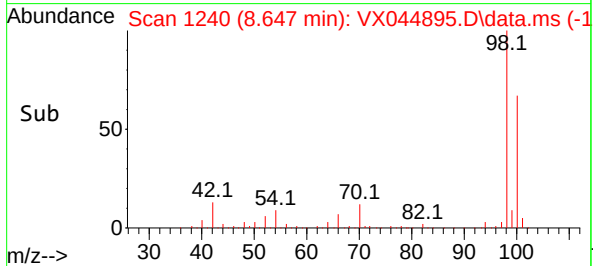
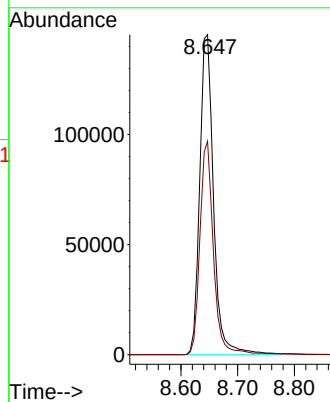
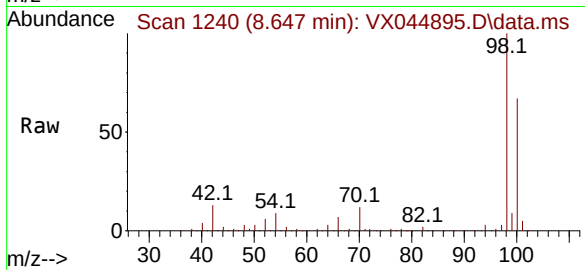
VX0211WBL01

Tgt Ion: 98 Resp: 245936

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 52.406 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044895.D

Acq: 11 Feb 2025 11:00

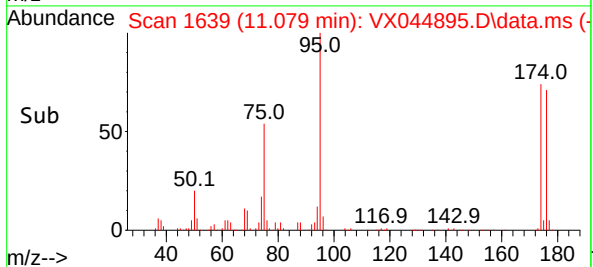
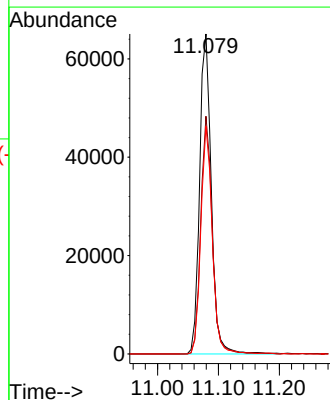
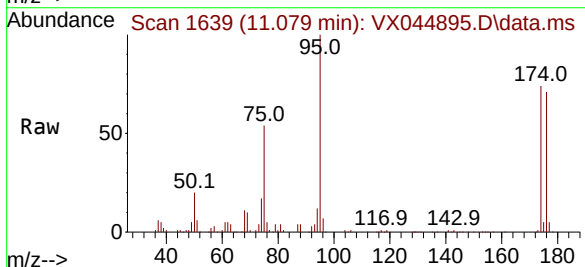
Tgt Ion: 95 Resp: 86470

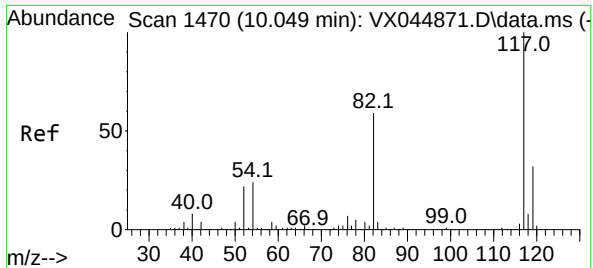
Ion Ratio Lower Upper

95 100

174 73.0 0.0 142.6

176 69.6 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: VX044895.D

Acq: 11 Feb 2025 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBL01

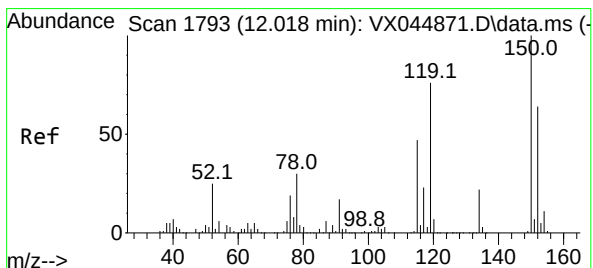
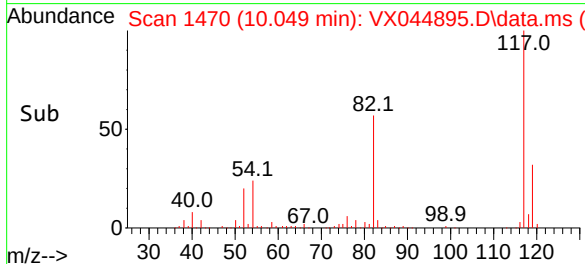
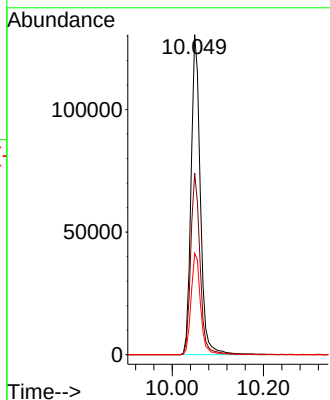
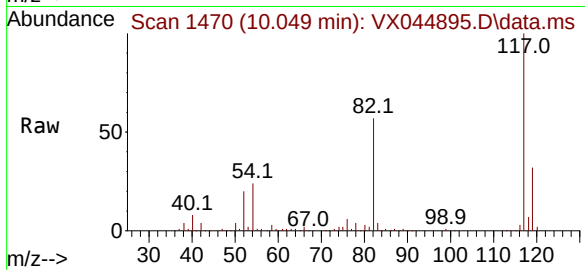
Tgt Ion:117 Resp: 183423

Ion Ratio Lower Upper

117 100

82 56.7 47.5 71.3

119 31.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044895.D

Acq: 11 Feb 2025 11:00

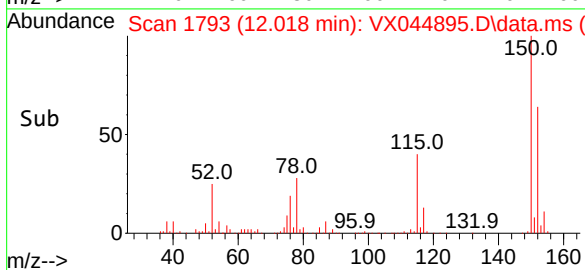
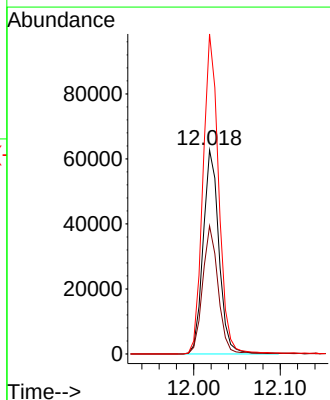
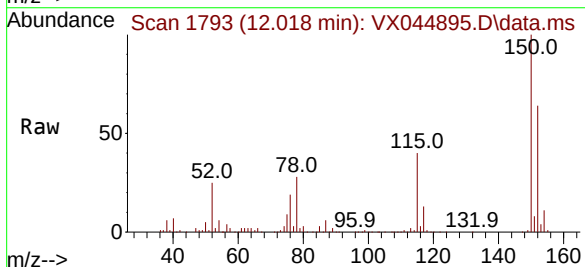
Tgt Ion:152 Resp: 79632

Ion Ratio Lower Upper

152 100

115 61.6 43.4 130.1

150 155.9 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044895.D
Acq On : 11 Feb 2025 11:00
Operator : JC/MD
Sample : VX0211WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

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\82X021025W.M

Title : SW846 8260

Signal : TIC: VX044895.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.612	69	86	87	rBV7	6414	24224	3.68%	0.716%
2	5.379	692	704	721	rBV2	72078	217937	33.08%	6.440%
3	5.544	721	731	747	rBV	101470	295431	44.84%	8.730%
4	5.946	788	797	812	rBV2	84099	224957	34.14%	6.647%
5	6.757	919	930	953	rBV	187792	470188	71.36%	13.894%
6	8.647	1233	1240	1261	rBV	388713	658885	100.00%	19.470%
7	10.049	1465	1470	1489	rBV	406316	574705	87.22%	16.982%
8	11.079	1634	1639	1651	rBV	314963	412597	62.62%	12.192%
9	12.018	1788	1793	1803	rBV	402666	505183	76.67%	14.928%

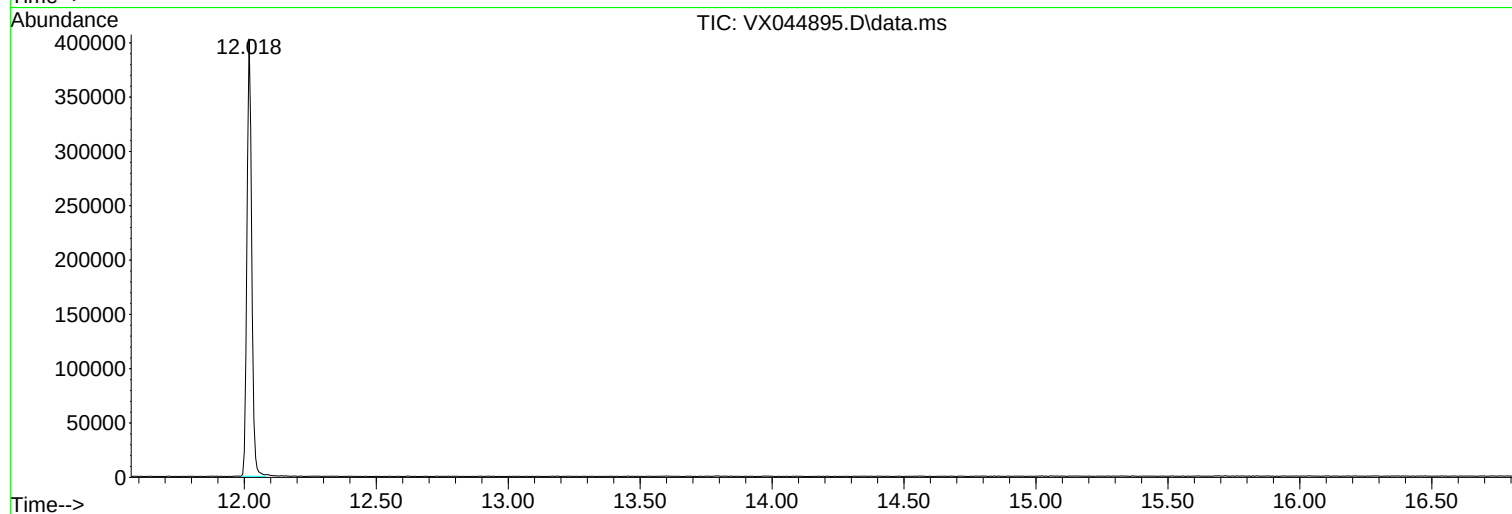
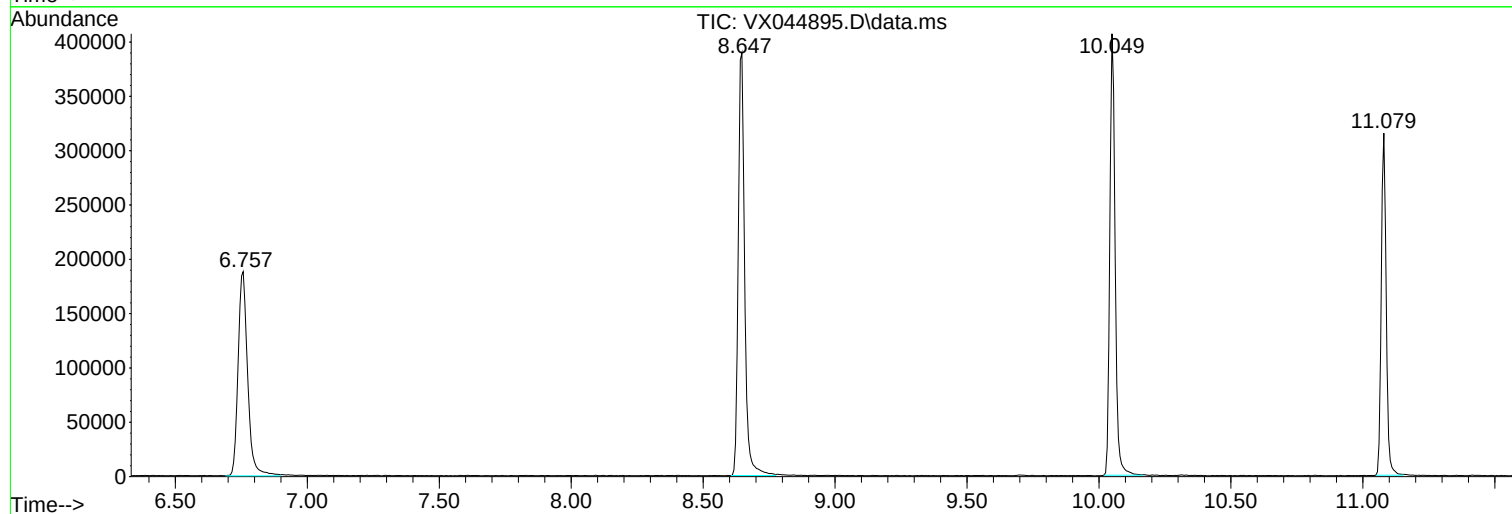
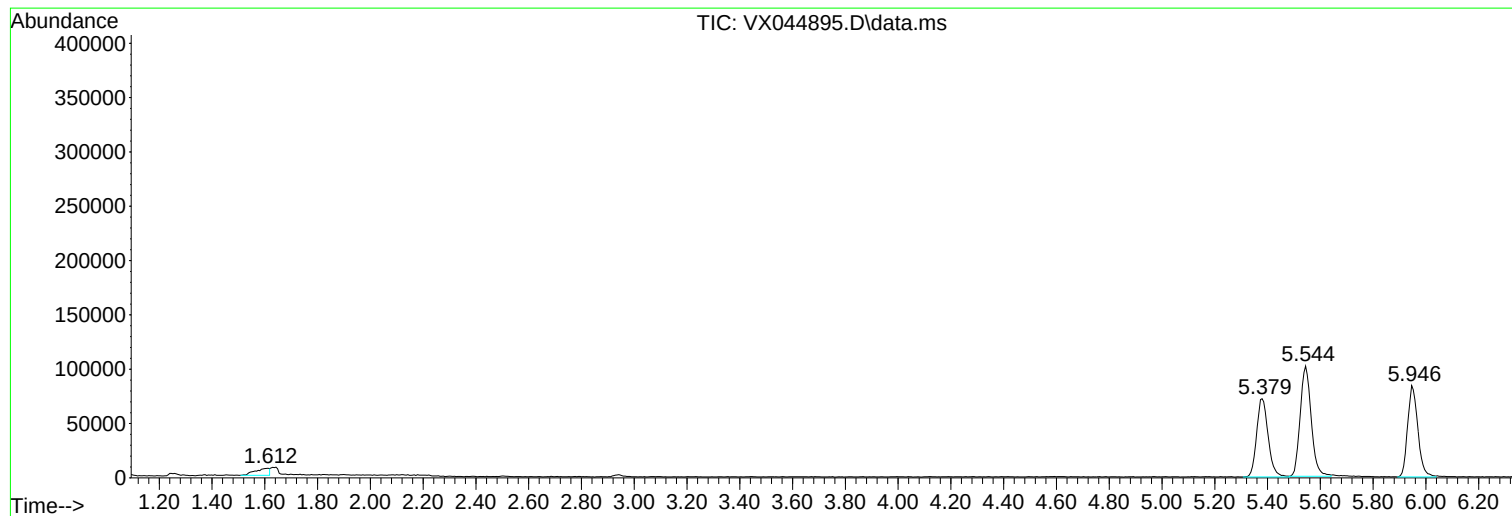
Sum of corrected areas: 3384107

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044895.D
Acq On : 11 Feb 2025 11:00
Operator : JC/MD
Sample : VX0211WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

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\VX021125\
Data File : VX044895.D
Acq On : 11 Feb 2025 11:00
Operator : JC/MD
Sample : VX0211WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

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\VX021125\
Data File : VX044895.D
Acq On : 11 Feb 2025 11:00
Operator : JC/MD
Sample : VX0211WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBL01

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

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	CTO WE13			Date Received:	
Client Sample ID:	VX0211WBS01			SDG No.:	Q1327
Lab Sample ID:	VX0211WBS01			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
VX044896.D	1		02/11/25 11:23	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	17.8		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.9		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	19.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	22.6		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.3		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.5		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.0		0.26	0.75	1.00	ug/L
67-64-1	Acetone	88.2		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.2		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.8		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	17.8		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.0		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.1		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	90.3		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		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	18.5		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.1		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	20.3		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.2		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.7		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	19.1		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.5		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	99.3		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.5		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.6		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.1		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.8		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		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:	VX0211WBS01			SDG No.:	Q1327
Lab Sample ID:	VX0211WBS01			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
VX044896.D	1		02/11/25 11:23	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	19.0		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.8		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.1		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.9		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.2		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.3		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	19.2		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.4		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.5		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	18.7		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	43.8		81 - 118		88%	SPK: 50
1868-53-7	Dibromofluoromethane	45.5		80 - 119		91%	SPK: 50
2037-26-5	Toluene-d8	46.2		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.4		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	122000	5.544				
540-36-3	1,4-Difluorobenzene	214000	6.757				
3114-55-4	Chlorobenzene-d5	190000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	87800	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 OC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044896.D
 Acq On : 11 Feb 2025 11:23
 Operator : JC/MD
 Sample : VX0211WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/12/2025
 Supervised By : Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 02:38:07 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	122388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	213544	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	190238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	87843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	78398	43.760	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.520%		
35) Dibromofluoromethane	5.379	113	63156	45.489	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.980%		
50) Toluene-d8	8.647	98	242464	46.183	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.360%		
62) 4-Bromofluorobenzene	11.079	95	83827	47.362	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	32027	18.658	ug/l	97
3) Chloromethane	1.294	50	37256	17.833	ug/l	99
4) Vinyl Chloride	1.374	62	36130	17.851	ug/l	99
5) Bromomethane	1.593	94	11503	18.993	ug/l	99
6) Chloroethane	1.666	64	19246	22.573	ug/l	99
7) Trichlorofluoromethane	1.873	101	46837	18.299	ug/l	97
8) Diethyl Ether	2.130	74	17191	18.520	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	28594	18.490	ug/l	99
10) Methyl Iodide	2.447	142	37251	18.586	ug/l	99
11) Tert butyl alcohol	2.971	59	30779	92.607	ug/l	99
12) 1,1-Dichloroethene	2.312	96	28452	18.036	ug/l	96
13) Acrolein	2.233	56	26717	77.912	ug/l	100
14) Allyl chloride	2.660	41	50787	17.814	ug/l	97
15) Acrylonitrile	3.062	53	79135	89.177	ug/l	99
16) Acetone	2.380	43	63538	88.221	ug/l	99
17) Carbon Disulfide	2.501	76	74275	17.170	ug/l	98
18) Methyl Acetate	2.697	43	40956	18.021	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	89228	17.778	ug/l	100
20) Methylene Chloride	2.782	84	31484	17.847	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	27928	17.988	ug/l	93
22) Diisopropyl ether	3.757	45	100392	18.613	ug/l	95
23) Vinyl Acetate	3.715	43	397646	90.433	ug/l	100
24) 1,1-Dichloroethane	3.605	63	54622	18.099	ug/l	98
25) 2-Butanone	4.556	43	105608	90.302	ug/l	95
26) 2,2-Dichloropropane	4.471	77	43271	18.080	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	34607	18.557	ug/l	97
28) Bromochloromethane	4.891	49	22169	15.285	ug/l	100
29) Tetrahydrofuran	5.001	42	71647	92.261	ug/l	99
30) Chloroform	5.080	83	54058	18.470	ug/l	97
31) Cyclohexane	5.458	56	50621	18.194	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	44956	18.109	ug/l	99
36) 1,1-Dichloropropene	5.684	75	38557	19.249	ug/l	99
37) Ethyl Acetate	4.708	43	39887	17.903	ug/l	98
38) Carbon Tetrachloride	5.665	117	37975	19.346	ug/l	95
39) Methylcyclohexane	7.372	83	52588	20.307	ug/l	98
40) Benzene	6.031	78	120297	19.233	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044896.D
 Acq On : 11 Feb 2025 11:23
 Operator : JC/MD
 Sample : VX0211WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/12/2025
 Supervised By : Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 02:38:07 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	22207	18.621	ug/l	97
42) 1,2-Dichloroethane	6.080	62	39196	19.662	ug/l	98
43) Isopropyl Acetate	6.336	43	67173	18.670	ug/l	99
44) Trichloroethene	7.123	130	27440	19.193	ug/l	97
45) 1,2-Dichloropropane	7.421	63	29707	19.091	ug/l	97
46) Dibromomethane	7.574	93	20763	19.240	ug/l	98
47) Bromodichloromethane	7.818	83	40827	19.539	ug/l	98
48) Methyl methacrylate	7.690	41	31984	18.854	ug/l	99
49) 1,4-Dioxane	7.659	88	15032	413.003	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	217292	99.343	ug/l	99
52) Toluene	8.714	92	72821	19.549	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	39281	18.577	ug/l	94
54) cis-1,3-Dichloropropene	8.360	75	44977	19.077	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	28376	19.816	ug/l	97
56) Ethyl methacrylate	9.116	69	44038	19.041	ug/l	99
57) 1,3-Dichloropropane	9.305	76	48722	19.446	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	91789	80.829	ug/l	99
59) 2-Hexanone	9.427	43	160581	101.894	ug/l	98
60) Dibromochloromethane	9.518	129	29042	18.964	ug/l	100
61) 1,2-Dibromoethane	9.610	107	27865	19.199	ug/l	97
64) Tetrachloroethene	9.268	164	22565	18.808	ug/l	98
65) Chlorobenzene	10.079	112	77829	19.048	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	24758	18.825	ug/l	98
67) Ethyl Benzene	10.189	91	137771	19.107	ug/l	100
68) m/p-Xylenes	10.299	106	103355	38.857	ug/l	100
69) o-Xylene	10.640	106	51211	19.188	ug/l	98
70) Styrene	10.652	104	83008	19.304	ug/l	99
71) Bromoform	10.799	173	18821	19.176	ug/l #	97
73) Isopropylbenzene	10.957	105	129845	18.358	ug/l	100
74) N-amyl acetate	10.841	43	59187	18.492	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	44850	18.453	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	35490m	18.222	ug/l	
77) Bromobenzene	11.195	156	30059	18.745	ug/l	99
78) n-propylbenzene	11.299	91	152366	18.663	ug/l	100
79) 2-Chlorotoluene	11.360	91	92170	18.370	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	107531	18.734	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12359	16.324	ug/l	96
82) 4-Chlorotoluene	11.451	91	102495	18.464	ug/l	100
83) tert-Butylbenzene	11.713	119	108994	18.771	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	108980	19.237	ug/l	100
85) sec-Butylbenzene	11.890	105	137742	19.157	ug/l	99
86) p-Isopropyltoluene	12.006	119	110966	19.191	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	56608	19.196	ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	55645	18.663	ug/l	99
89) n-Butylbenzene	12.329	91	98048	19.167	ug/l	99
90) Hexachloroethane	12.536	117	19308	17.833	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	56136	19.369	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8224	18.540	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	32400	18.475	ug/l	100
94) Hexachlorobutadiene	13.719	225	13235	19.011	ug/l	97
95) Naphthalene	13.774	128	116851	18.432	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	33208	18.792	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044896.D
Acq On : 11 Feb 2025 11:23
Operator : JC/MD
Sample : VX0211WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 02:38:07 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

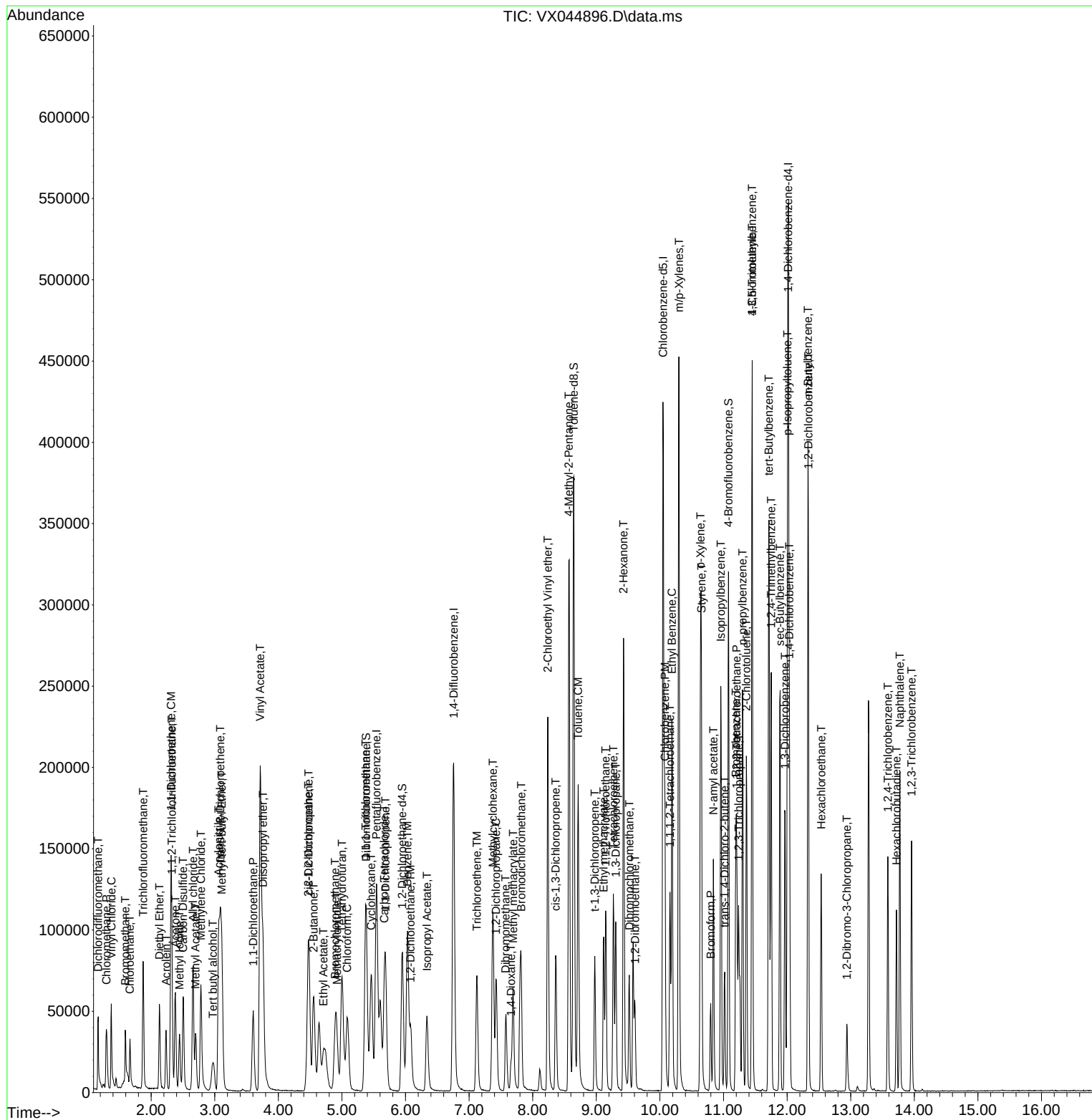
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 Data File : VX044896.D
 Acq On : 11 Feb 2025 11:23
 Operator : JC/MD
 Sample : VX0211WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

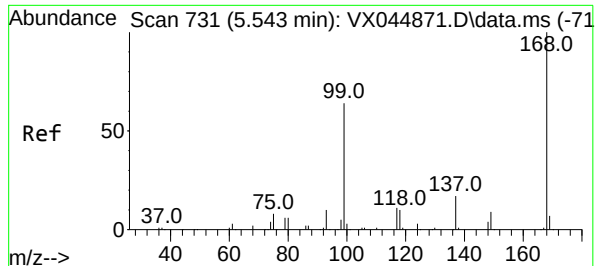
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 02/12/2025
 Supervised By : Mahesh Dadoda 02/12/2025

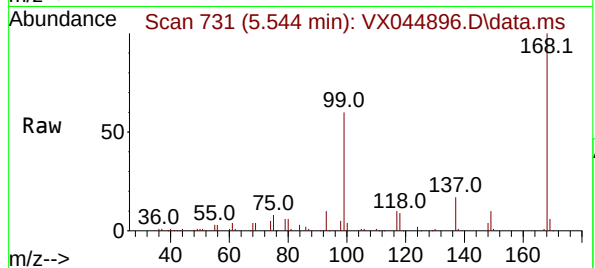
Quant Time: Feb 12 02:38:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

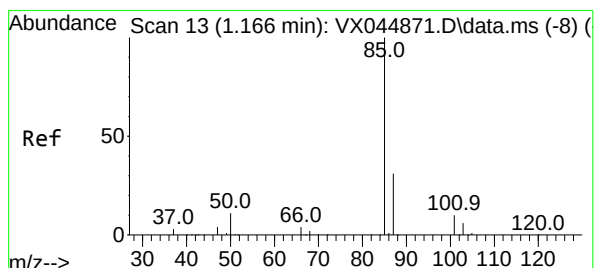
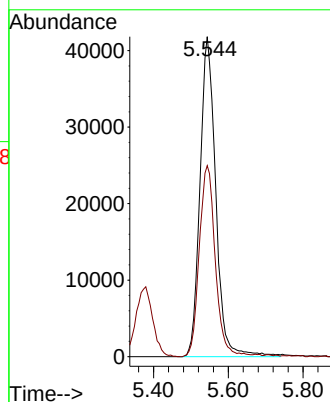
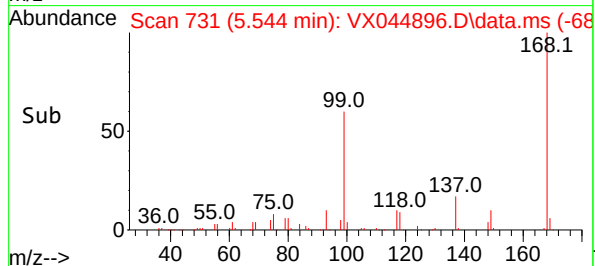
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01



Tgt Ion:168 Resp: 12238
Ion Ratio Lower Upper
168 100
99 59.7 51.2 76.8

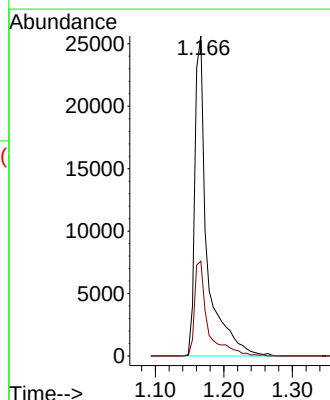
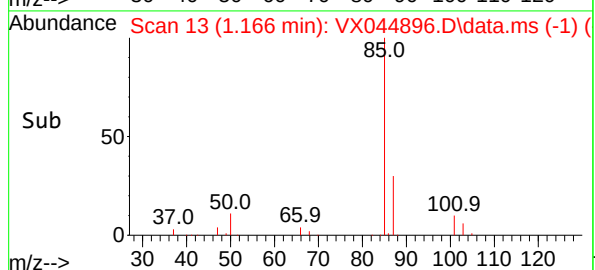
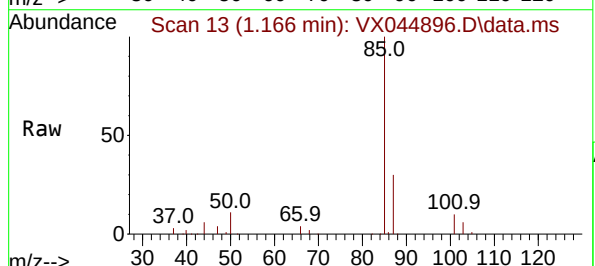
Manual Integrations
APPROVED

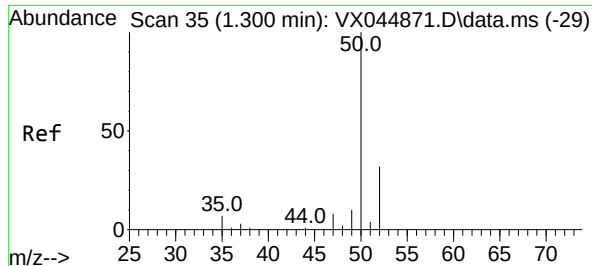
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#2
Dichlorodifluoromethane
Concen: 18.658 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 85 Resp: 32027
Ion Ratio Lower Upper
85 100
87 29.6 15.8 47.3





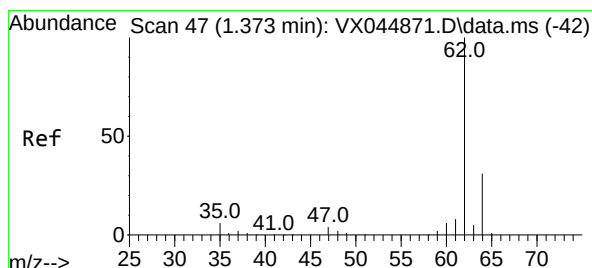
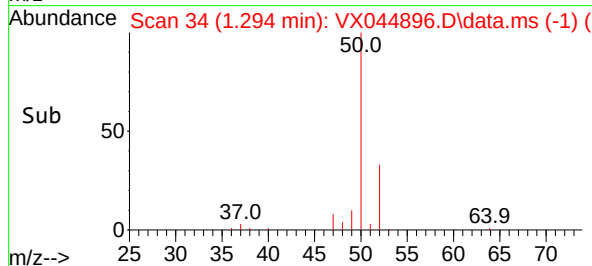
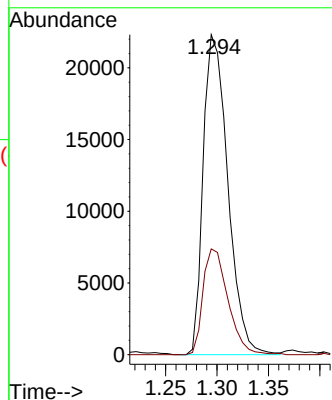
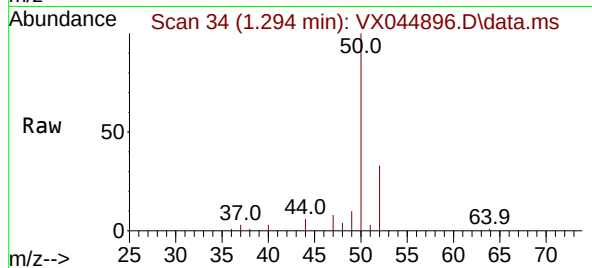
#3
Chloromethane
Concen: 17.833 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 50 Resp: 37250
Ion Ratio Lower Upper
50 100
52 33.0 25.9 38.9

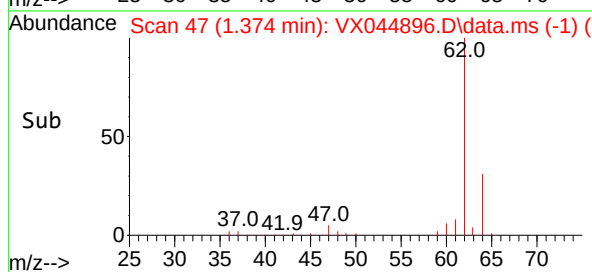
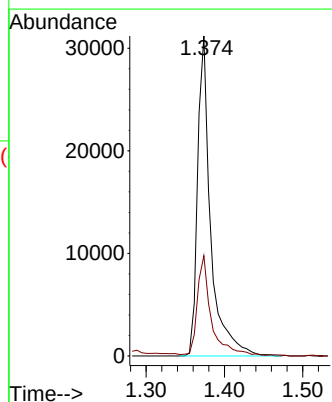
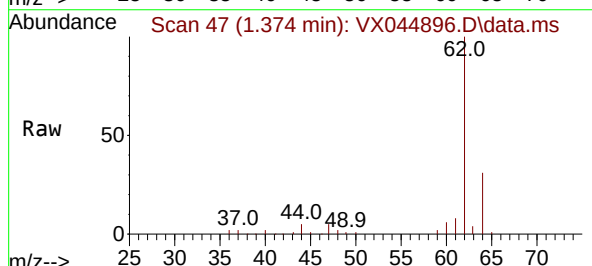
Manual Integrations
APPROVED

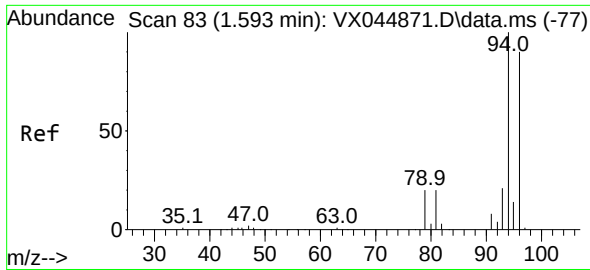
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#4
Vinyl Chloride
Concen: 17.851 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

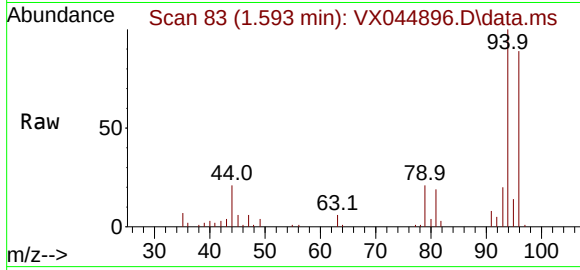
Tgt Ion: 62 Resp: 36130
Ion Ratio Lower Upper
62 100
64 31.0 25.4 38.0





#5
Bromomethane
Concen: 18.993 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

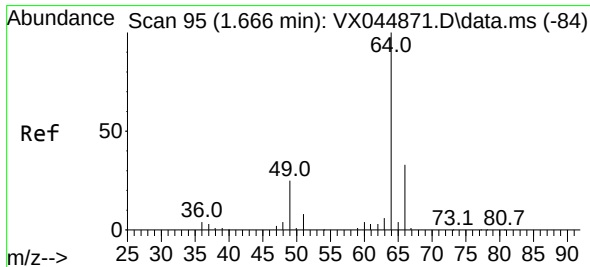
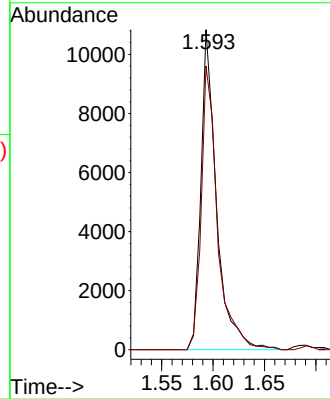
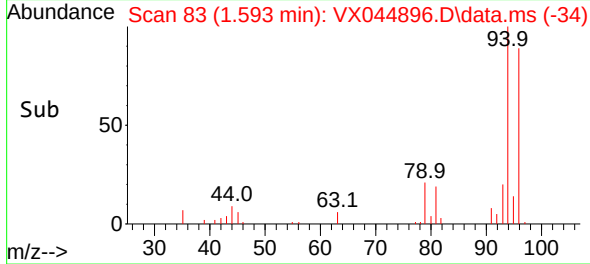
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01



Tgt Ion: 94 Resp: 1150
Ion Ratio Lower Upper
94 100
96 88.6 71.6 107.4

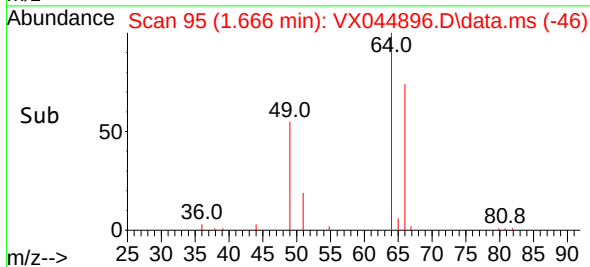
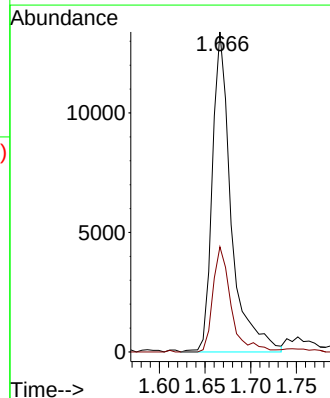
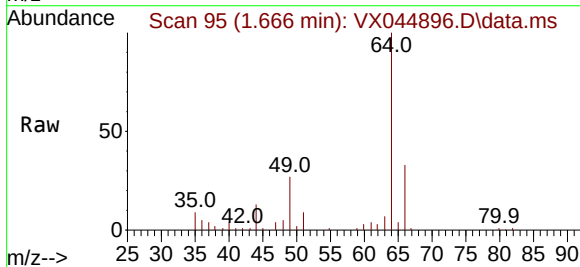
Manual Integrations
APPROVED

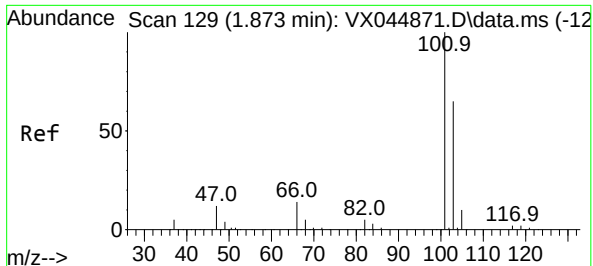
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#6
Chloroethane
Concen: 22.573 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

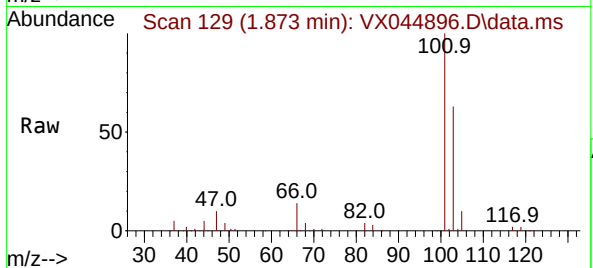
Tgt Ion: 64 Resp: 19246
Ion Ratio Lower Upper
64 100
66 32.9 25.9 38.9





#7
Trichlorofluoromethane
Concen: 18.299 ug/l
RT: 1.873 min Scan# 129
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

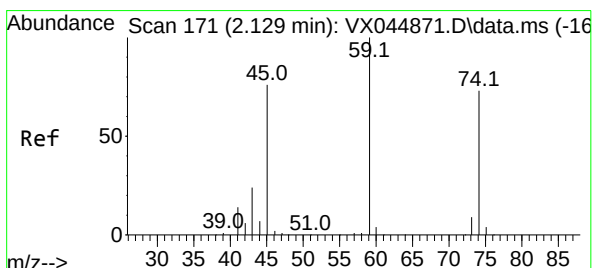
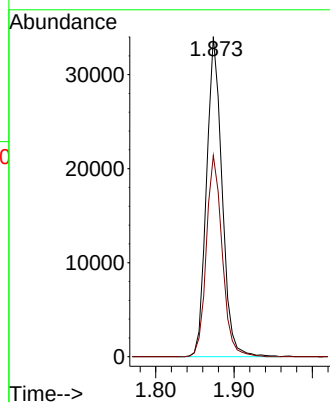
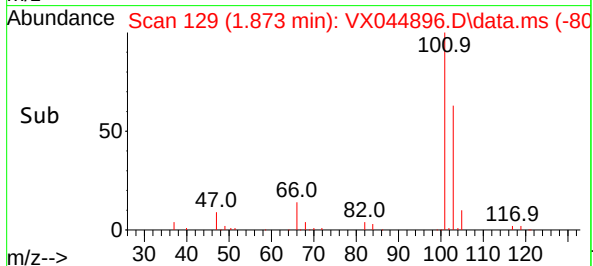
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01



Tgt Ion:101 Resp: 4683
Ion Ratio Lower Upper
101 100
103 62.9 52.4 78.6

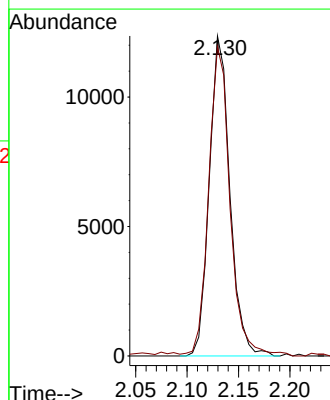
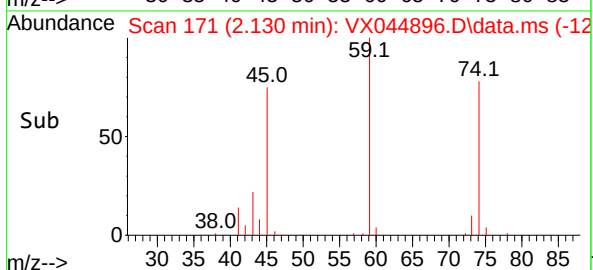
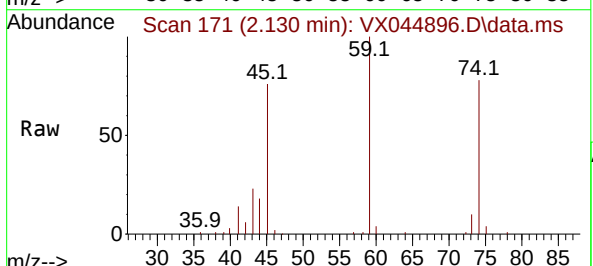
Manual Integrations
APPROVED

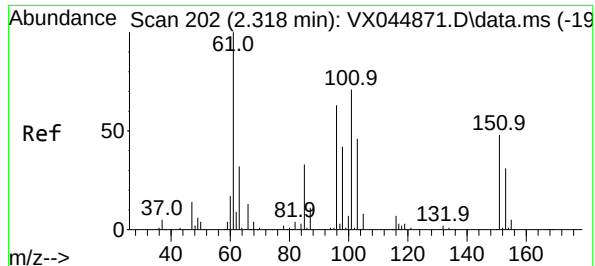
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#8
Diethyl Ether
Concen: 18.520 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 74 Resp: 17191
Ion Ratio Lower Upper
74 100
45 100.5 51.1 153.4





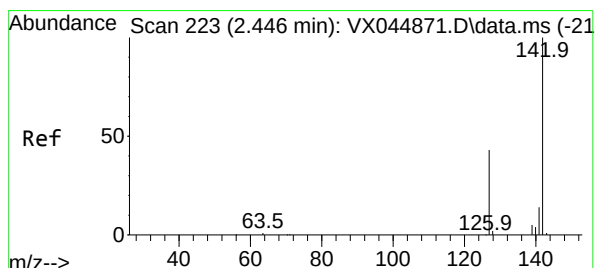
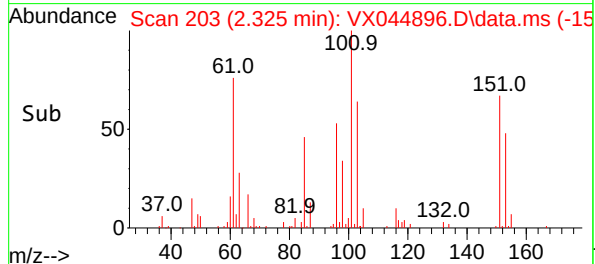
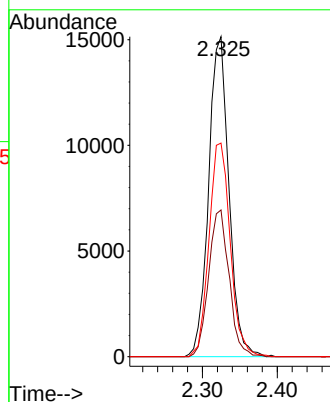
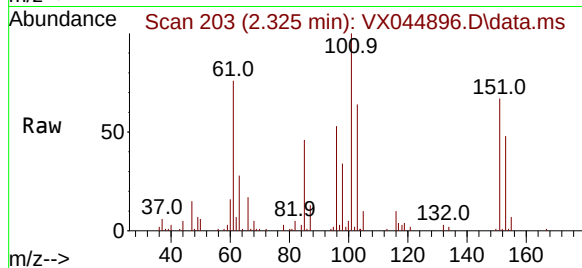
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.490 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:101 Resp: 28594
Ion Ratio Lower Upper
101 100
85 46.3 35.7 53.5
151 70.0 56.0 84.0

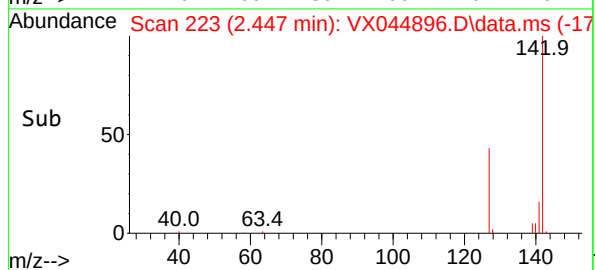
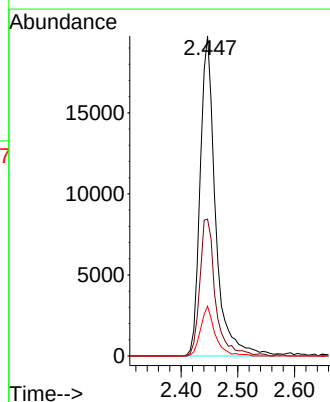
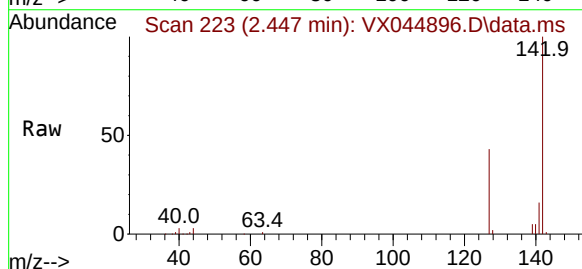
Manual Integrations
APPROVED

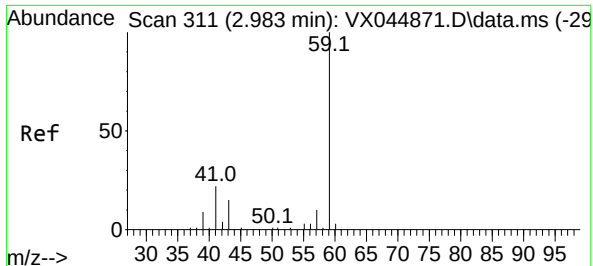
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#10
Methyl Iodide
Concen: 18.586 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:142 Resp: 37251
Ion Ratio Lower Upper
142 100
127 43.2 34.3 51.5
141 14.7 11.4 17.2





#11

Tert butyl alcohol

Concen: 92.607 ug/l

RT: 2.971 min Scan# 307

Delta R.T. -0.012 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 59 Resp: 30779

Ion Ratio Lower Upper

59 100

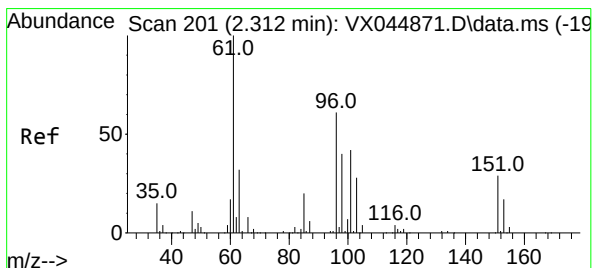
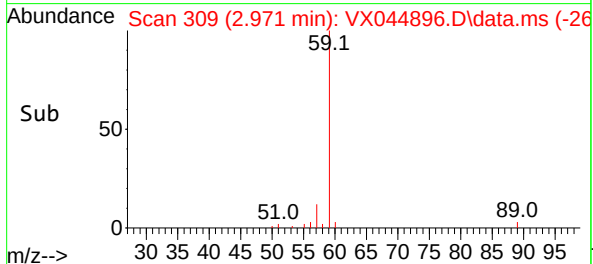
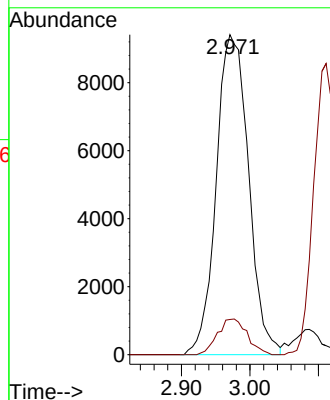
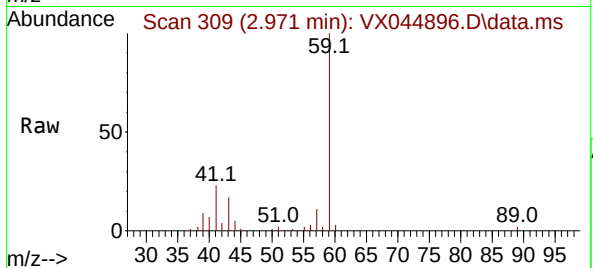
57 10.3 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#12

1,1-Dichloroethene

Concen: 18.036 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

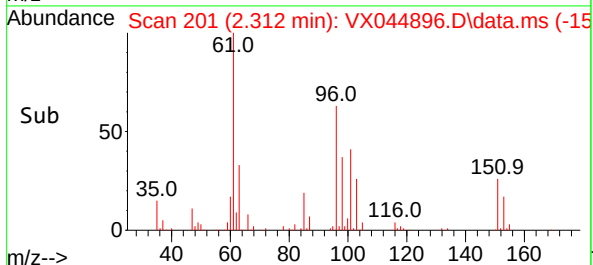
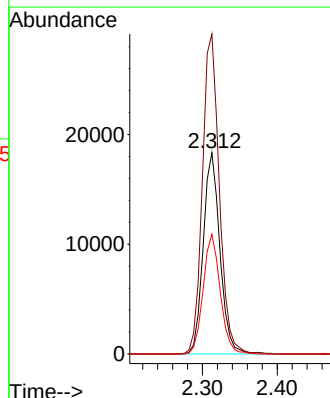
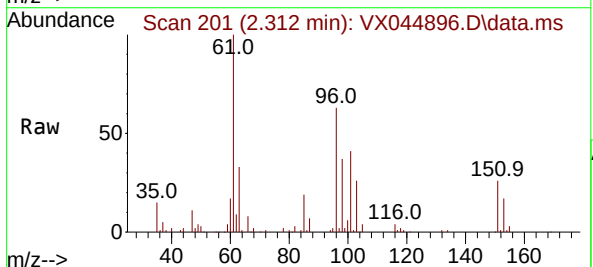
Tgt Ion: 96 Resp: 28452

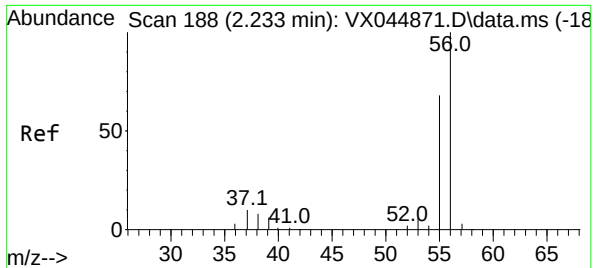
Ion Ratio Lower Upper

96 100

61 159.0 130.2 195.4

98 59.4 52.2 78.4





#13

Acrolein

Concen: 77.912 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 56 Resp: 2671

Ion Ratio Lower Upper

56 100

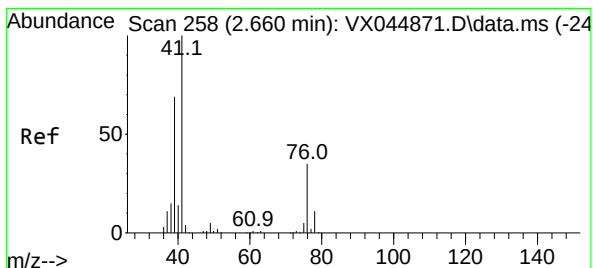
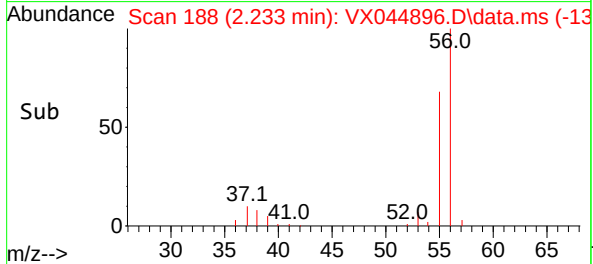
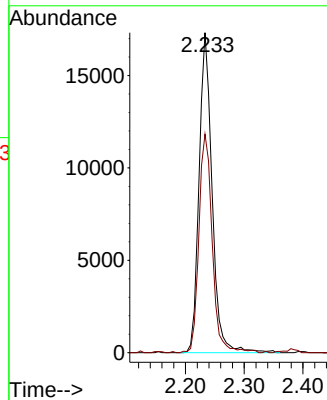
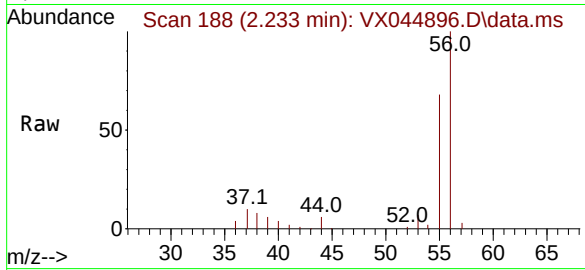
55 69.9 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#14

Allyl chloride

Concen: 17.814 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

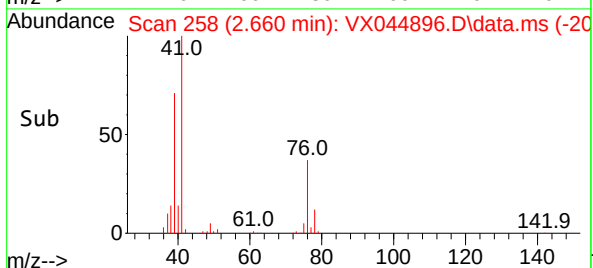
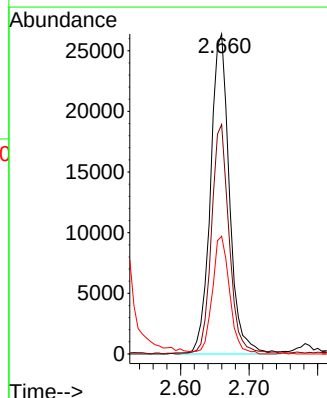
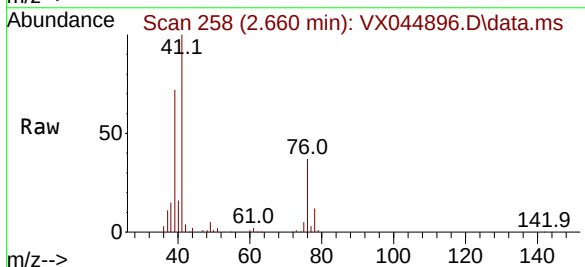
Tgt Ion: 41 Resp: 50787

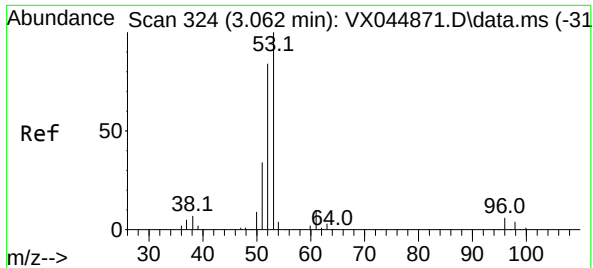
Ion Ratio Lower Upper

41 100

39 67.2 51.4 77.2

76 33.4 27.0 40.4





#15

Acrylonitrile

Concen: 89.177 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

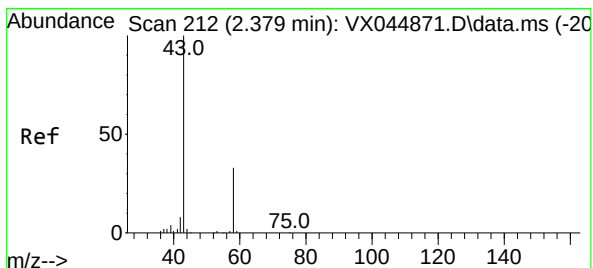
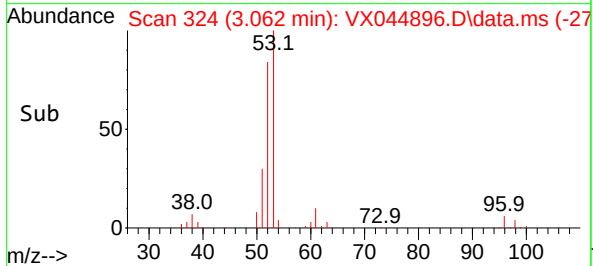
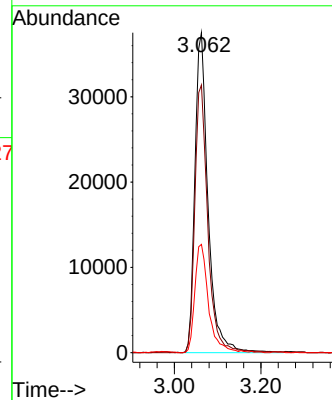
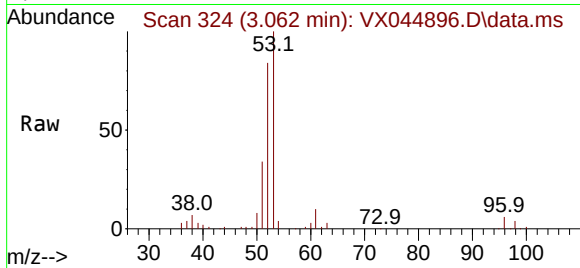
Tgt Ion:	53	Resp:	7913
Ion Ratio	Lower	Upper	
53	100		
52	82.5	65.0	97.6
51	35.5	28.0	42.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#16

Acetone

Concen: 88.221 ug/l

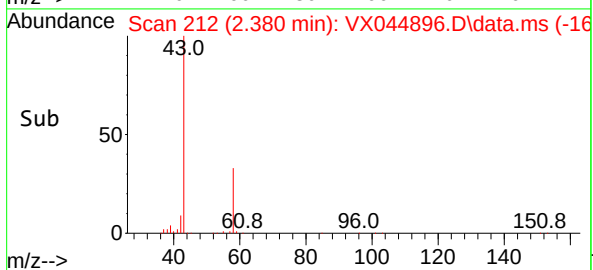
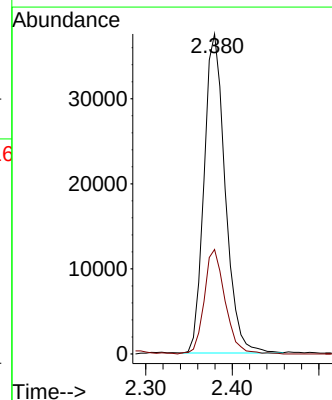
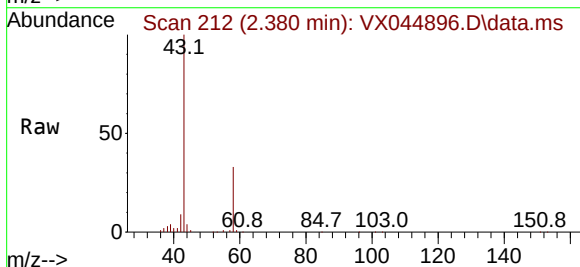
RT: 2.380 min Scan# 212

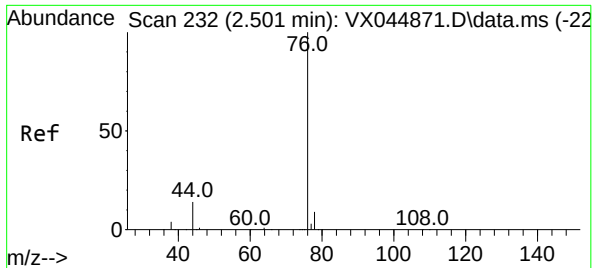
Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Tgt Ion:	43	Resp:	63538
Ion Ratio	Lower	Upper	
43	100		
58	32.7	26.5	39.7





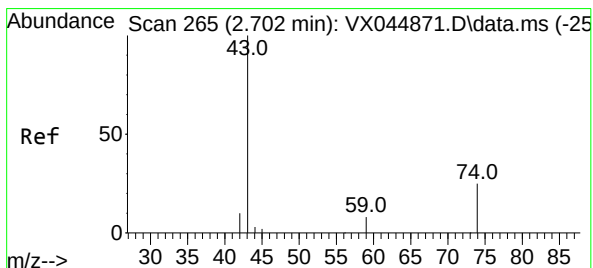
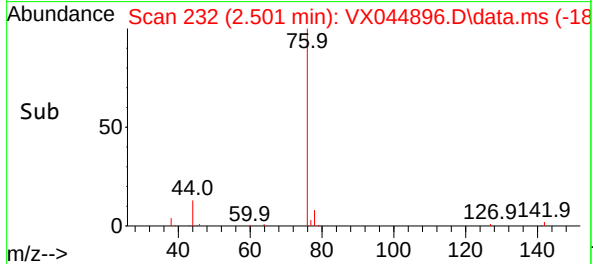
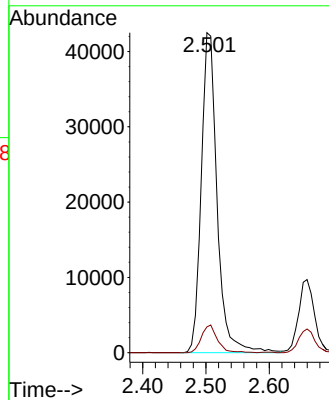
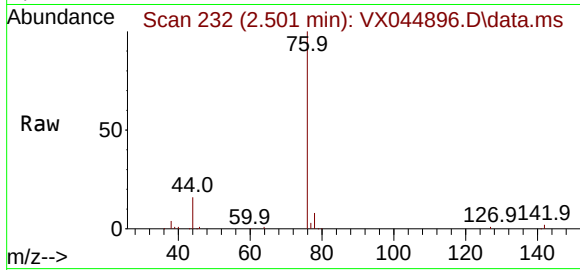
#17
Carbon Disulfide
Concen: 17.170 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 76 Resp: 74275
Ion Ratio Lower Upper
76 100
78 8.1 7.0 10.4

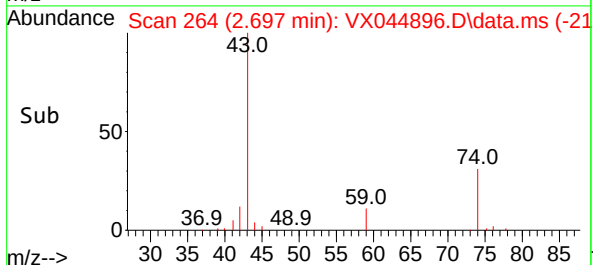
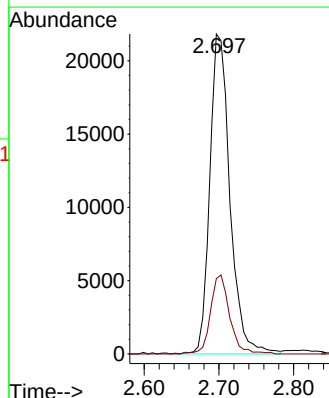
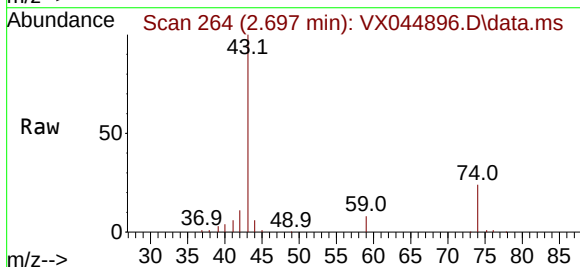
Manual Integrations
APPROVED

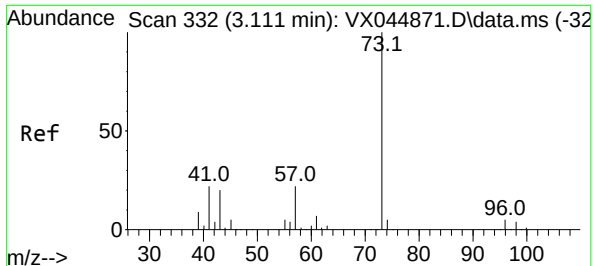
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#18
Methyl Acetate
Concen: 18.021 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 43 Resp: 40956
Ion Ratio Lower Upper
43 100
74 23.5 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 17.778 ug/l

RT: 3.111 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 73 Resp: 89228

Ion Ratio Lower Upper

73 100

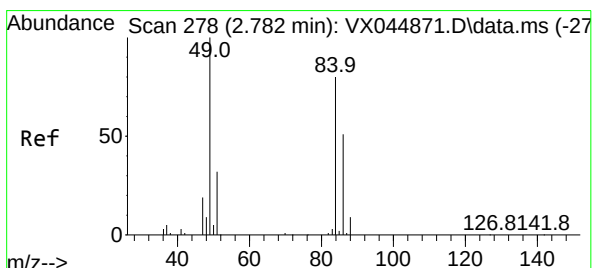
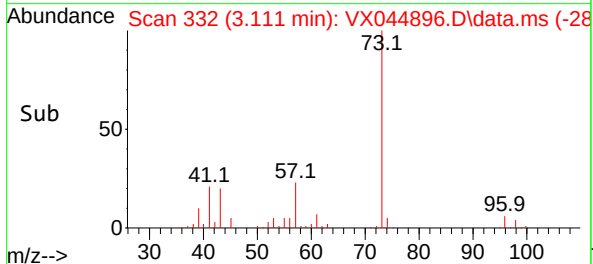
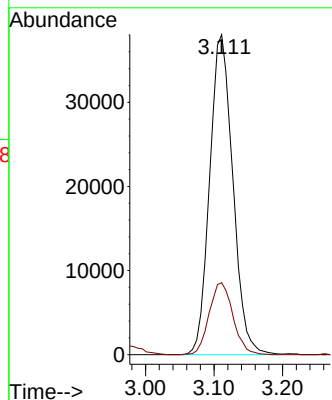
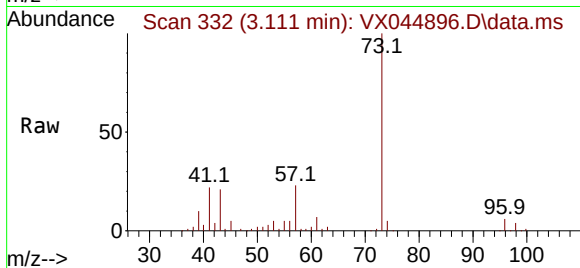
57 22.5 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#20

Methylene Chloride

Concen: 17.847 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Tgt Ion: 84 Resp: 31484

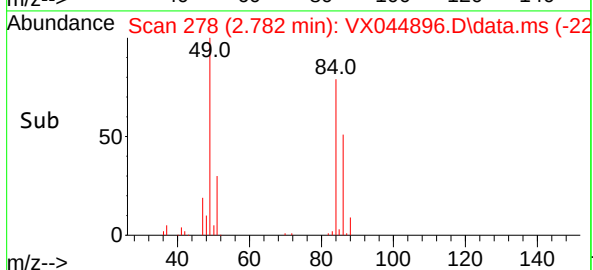
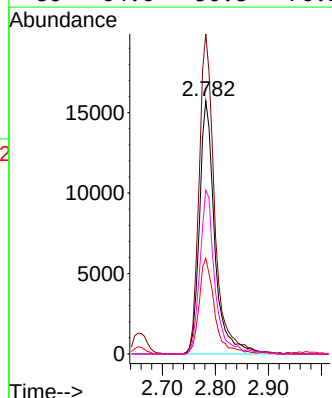
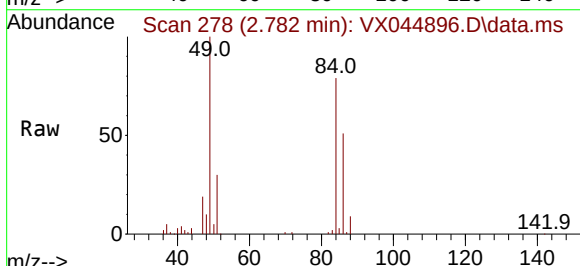
Ion Ratio Lower Upper

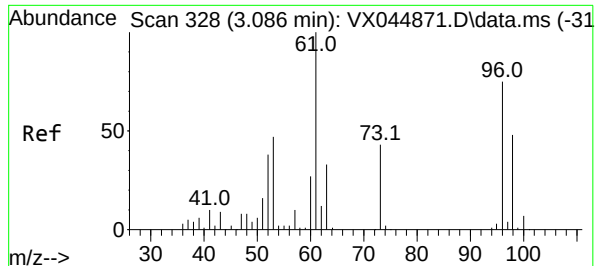
84 100

49 126.4 100.1 150.1

51 37.7 31.7 47.5

86 64.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 17.988 ug/l

RT: 3.087 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 96 Resp: 27928

Ion Ratio Lower Upper

96 100

61 144.5 106.0 159.0

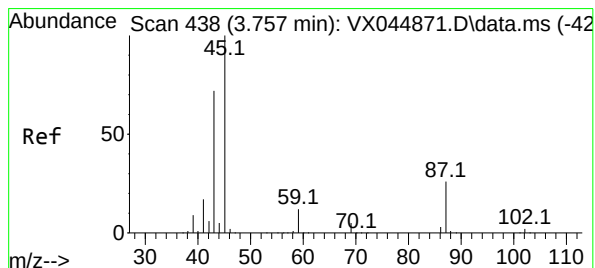
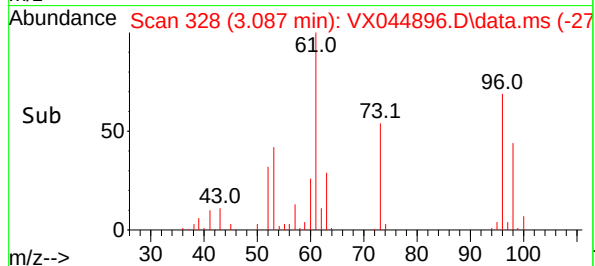
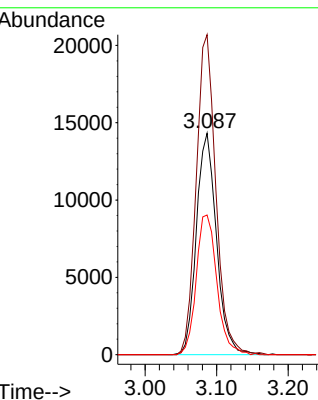
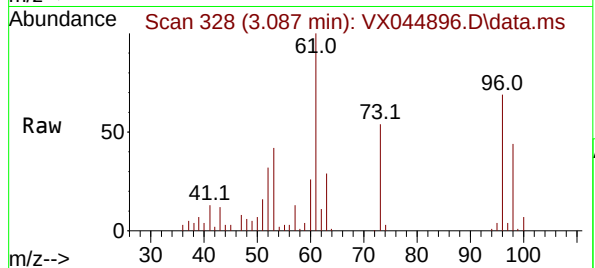
98 63.1 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#22

Diisopropyl ether

Concen: 18.613 ug/l

RT: 3.757 min Scan# 438

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Tgt Ion: 45 Resp: 100392

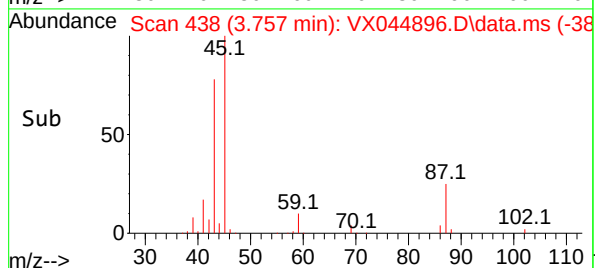
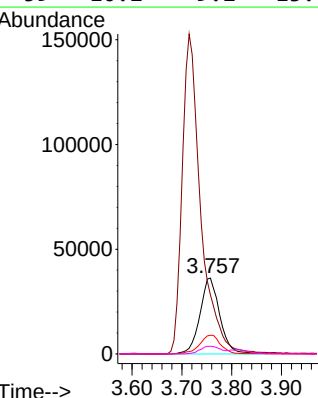
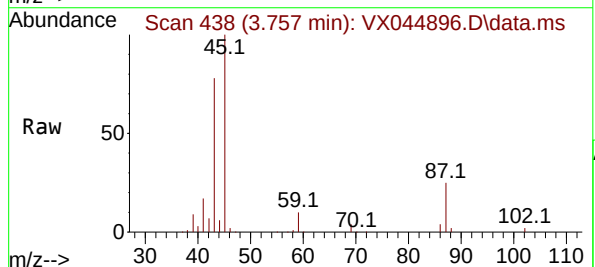
Ion Ratio Lower Upper

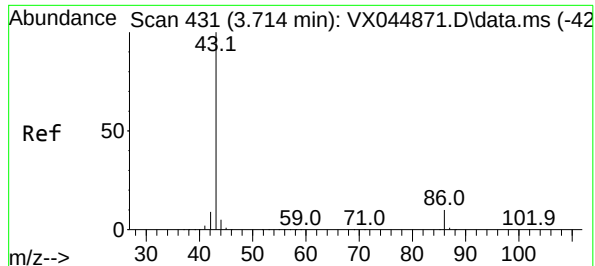
45 100

43 77.3 58.0 87.0

87 24.7 20.7 31.1

59 10.2 9.2 13.8





#23

Vinyl Acetate

Concen: 90.433 ug/l

RT: 3.715 min Scan# 411

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 43 Resp: 397640

Ion Ratio Lower Upper

43 100

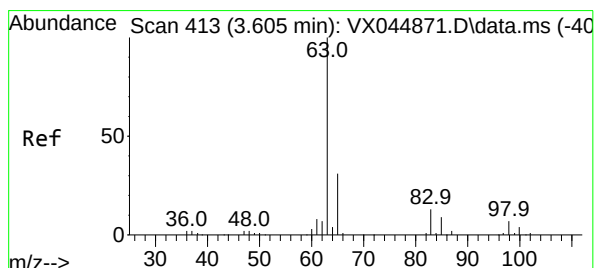
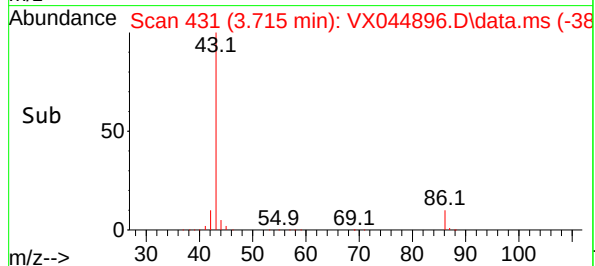
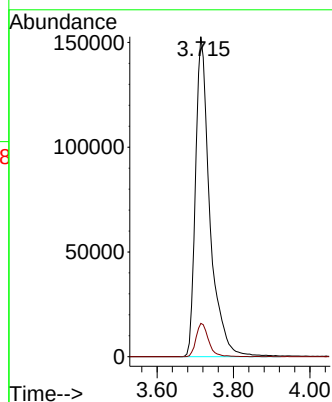
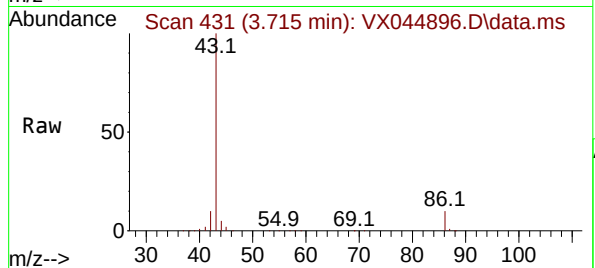
86 10.4 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#24

1,1-Dichloroethane

Concen: 18.099 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

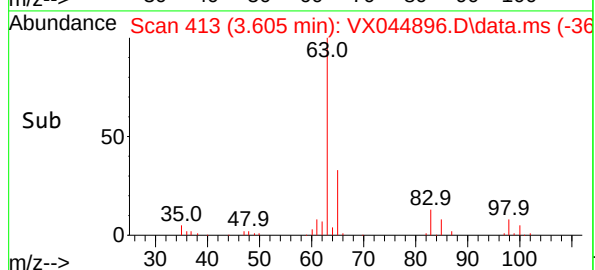
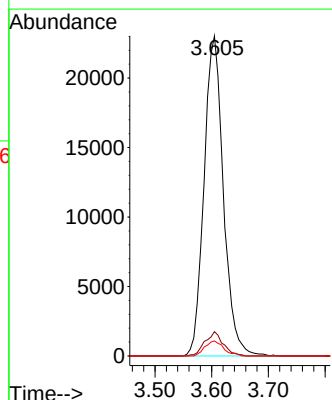
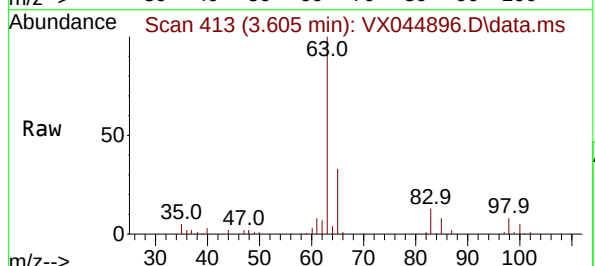
Tgt Ion: 63 Resp: 54622

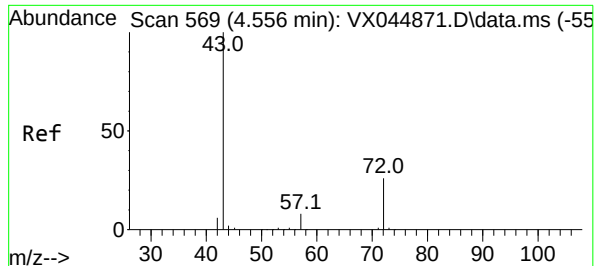
Ion Ratio Lower Upper

63 100

98 7.6 3.3 9.9

100 4.7 2.1 6.5





#25

2-Butanone

Concen: 90.302 ug/l

RT: 4.556 min Scan# 50

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 43 Resp: 105608

Ion Ratio Lower Upper

43 100

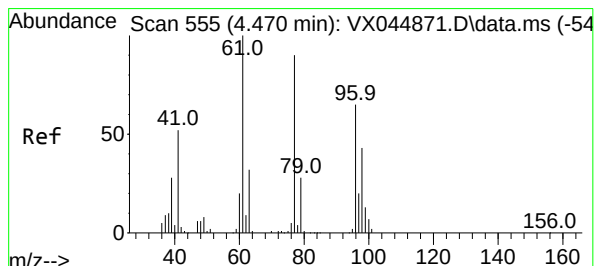
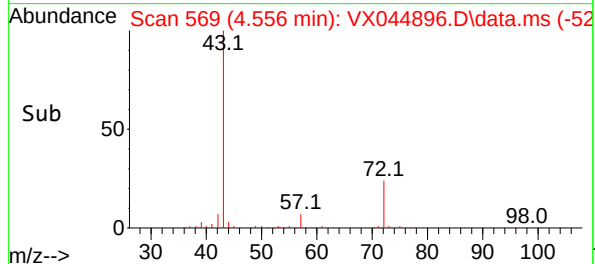
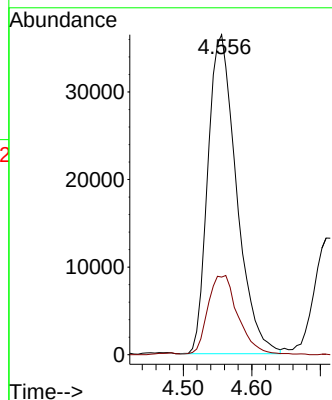
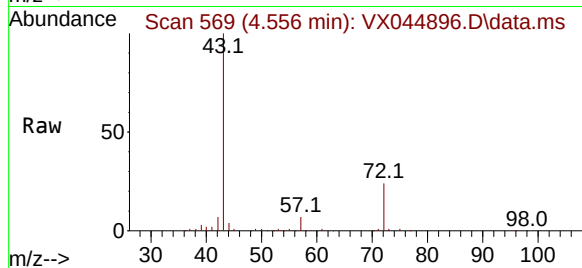
72 24.0 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#26

2,2-Dichloropropane

Concen: 18.080 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX044896.D

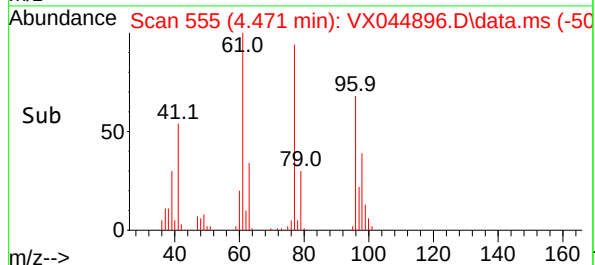
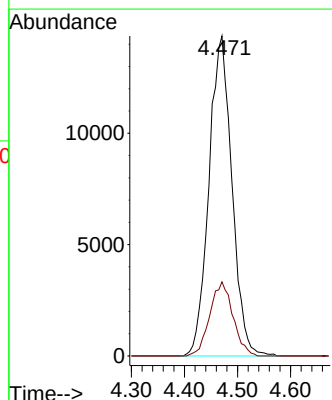
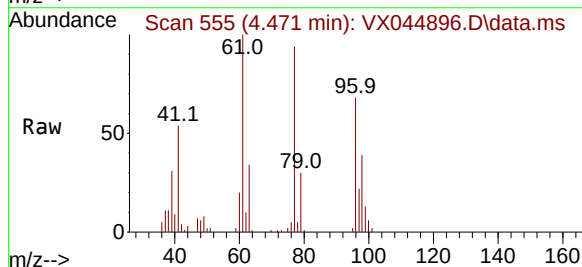
Acq: 11 Feb 2025 11:23

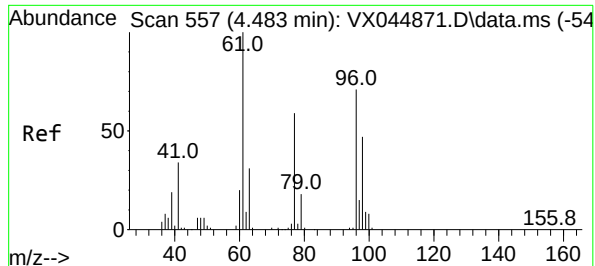
Tgt Ion: 77 Resp: 43271

Ion Ratio Lower Upper

77 100

97 23.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.557 ug/l

RT: 4.477 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 96 Resp: 3460

Ion Ratio Lower Upper

96 100

61 143.1 0.0 294.0

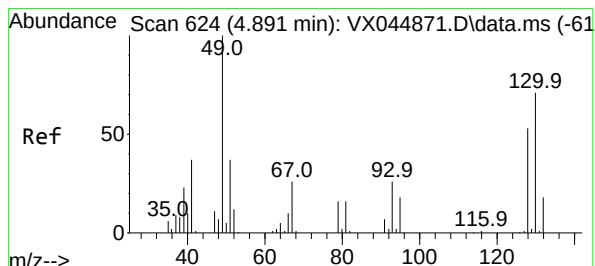
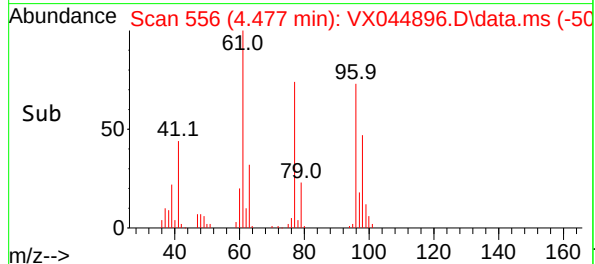
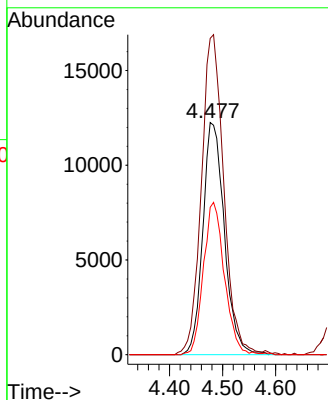
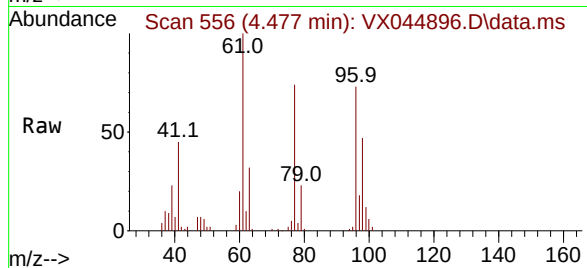
98 63.9 0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#28

Bromochloromethane

Concen: 15.285 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

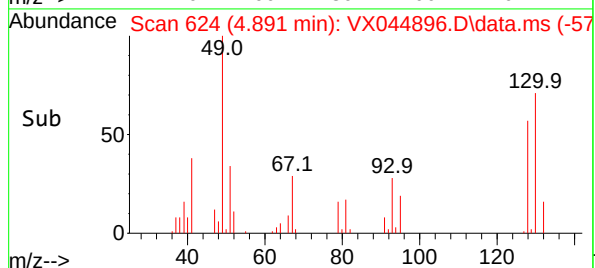
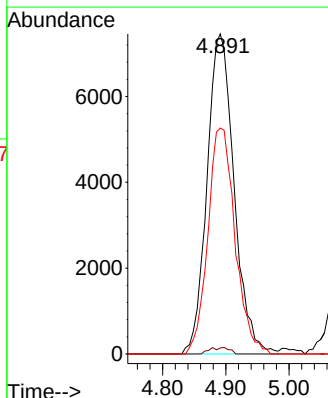
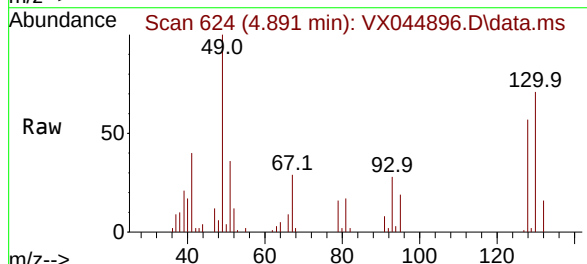
Tgt Ion: 49 Resp: 22169

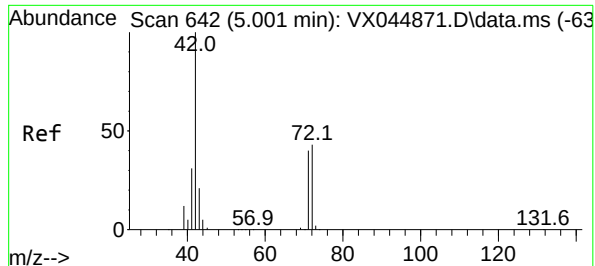
Ion Ratio Lower Upper

49 100

129 1.4 0.0 3.6

130 70.7 56.7 85.1





#29

Tetrahydrofuran

Concen: 92.261 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 42 Resp: 7164

Ion Ratio Lower Upper

42 100

72 42.5 35.0 52.4

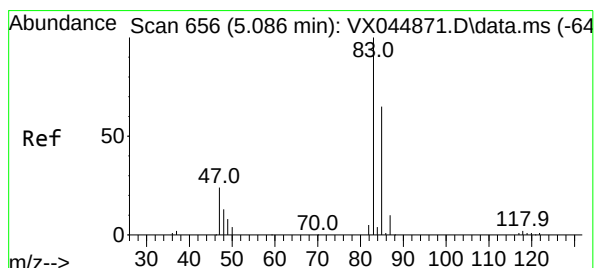
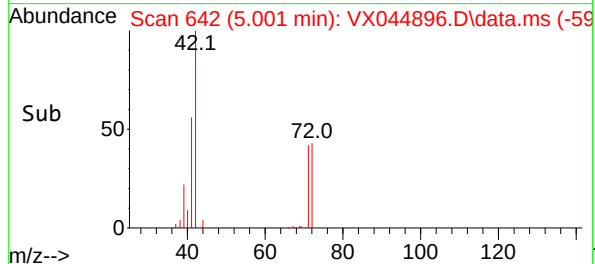
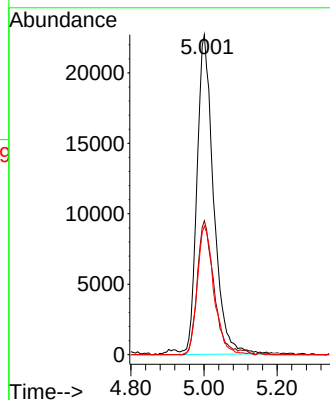
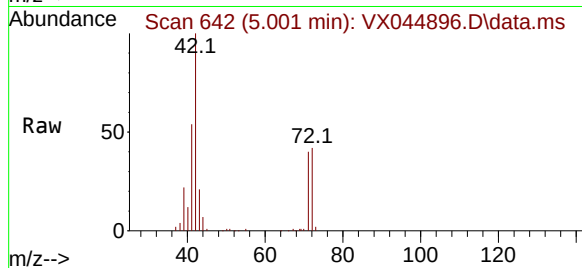
71 40.6 32.6 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#30

Chloroform

Concen: 18.470 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX044896.D

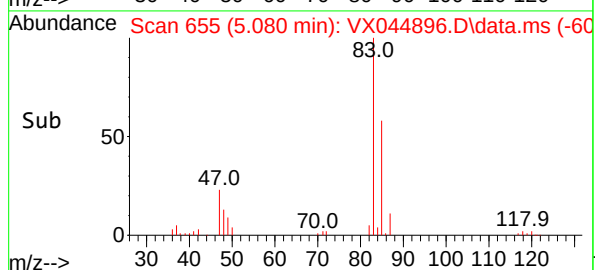
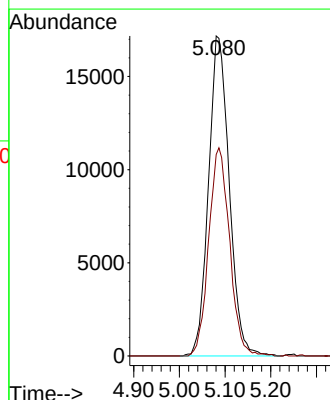
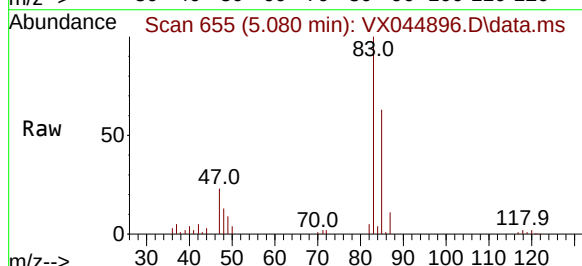
Acq: 11 Feb 2025 11:23

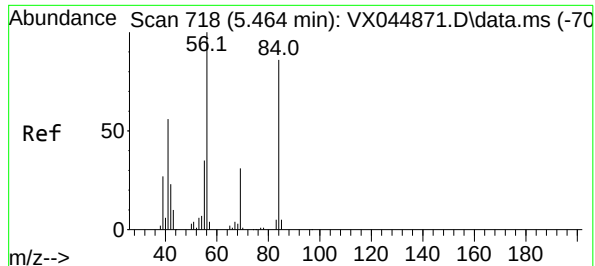
Tgt Ion: 83 Resp: 54058

Ion Ratio Lower Upper

83 100

85 62.9 52.1 78.1





#31

Cyclohexane

Concen: 18.194 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 56 Resp: 5062

Ion Ratio Lower Upper

56 100

69 29.1 24.4 36.6

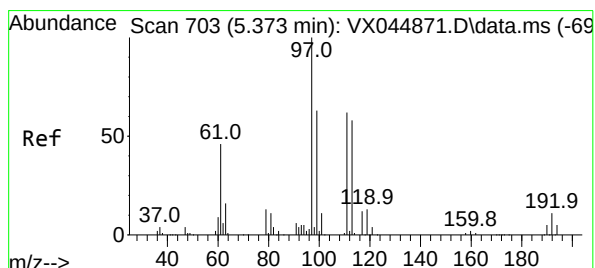
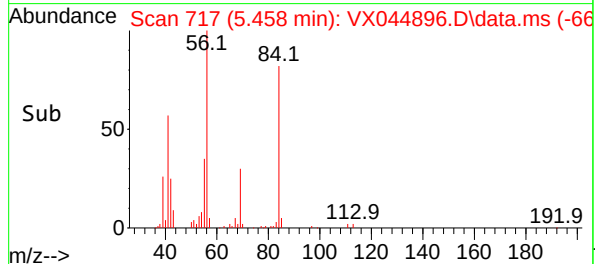
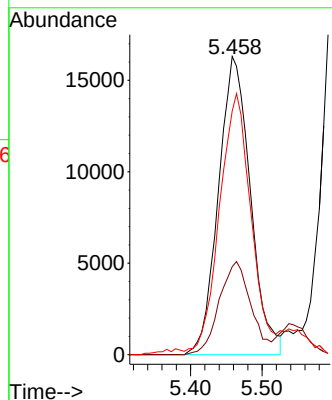
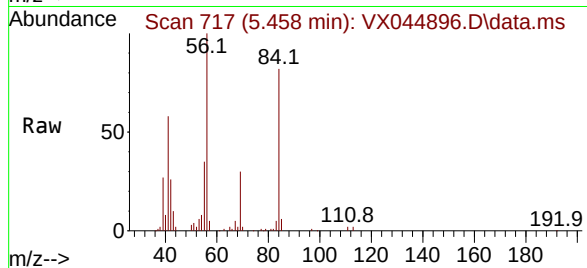
84 80.1 69.0 103.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#32

1,1,1-Trichloroethane

Concen: 18.109 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

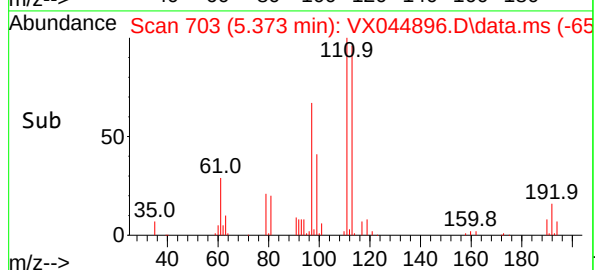
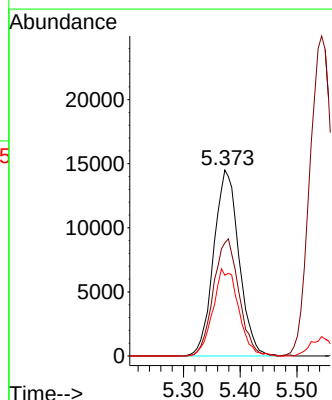
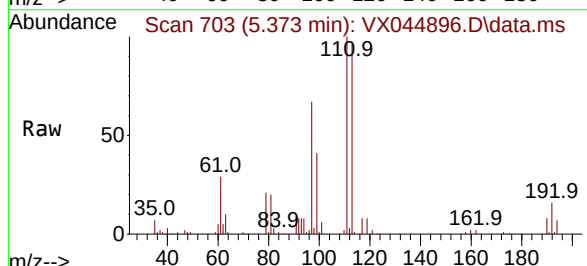
Tgt Ion: 97 Resp: 44956

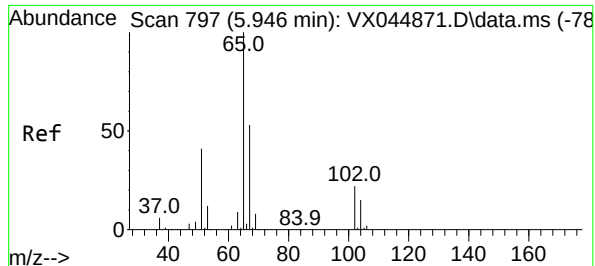
Ion Ratio Lower Upper

97 100

99 63.3 51.0 76.6

61 47.3 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 43.760 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 65 Resp: 78398

Ion Ratio Lower Upper

65 100

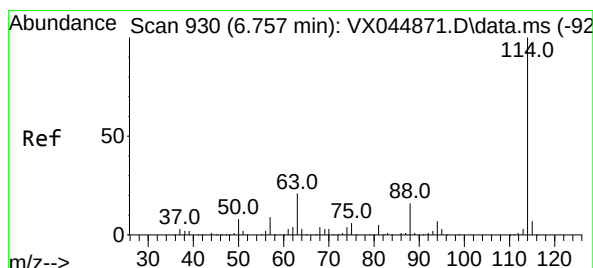
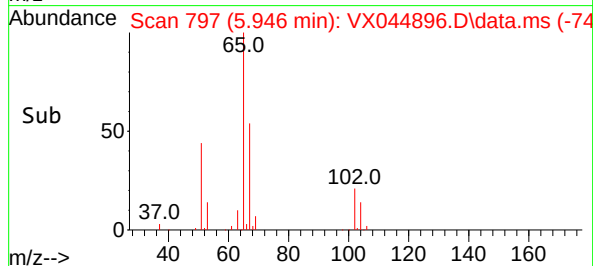
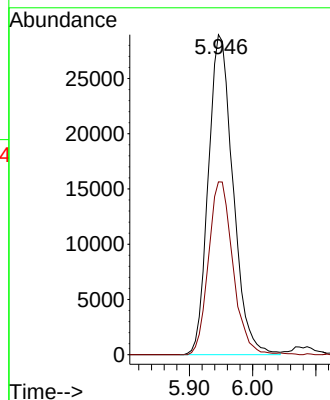
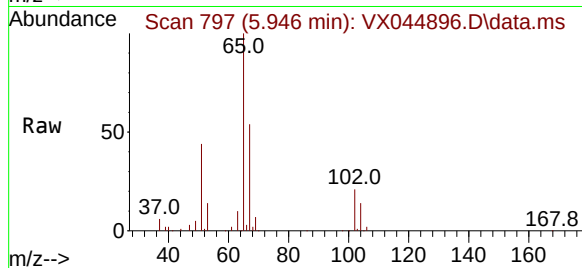
67 53.7 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

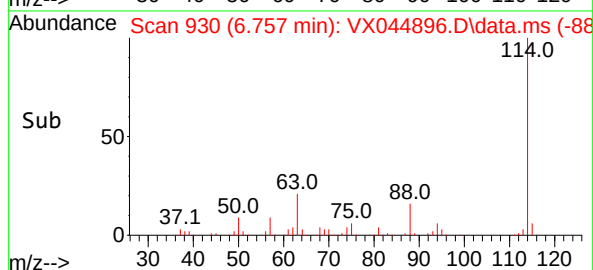
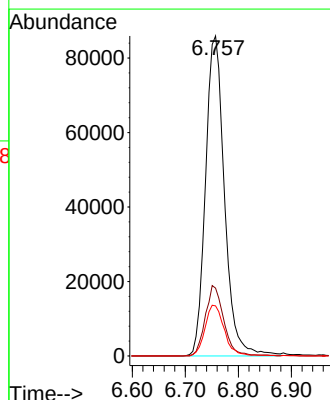
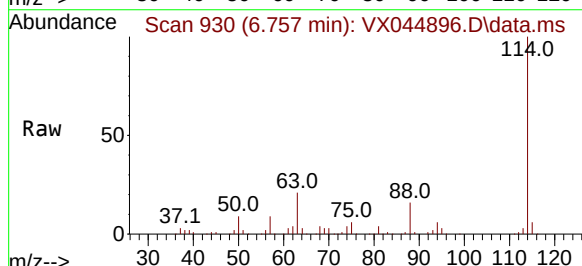
Tgt Ion:114 Resp: 213544

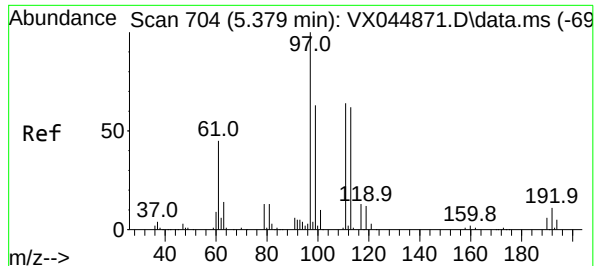
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.489 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion:113 Resp: 63150

Ion Ratio Lower Upper

113 100

111 103.0 83.5 125.3

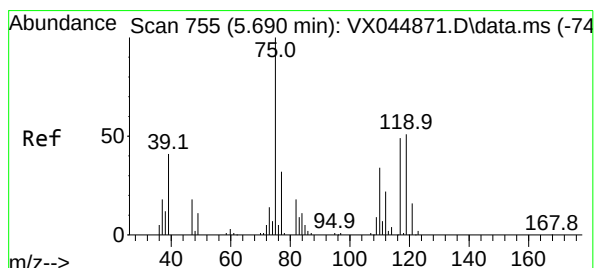
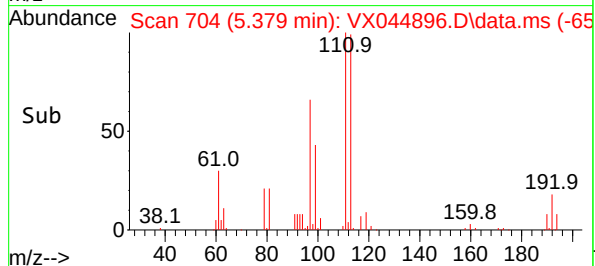
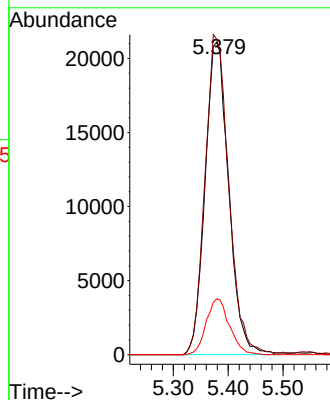
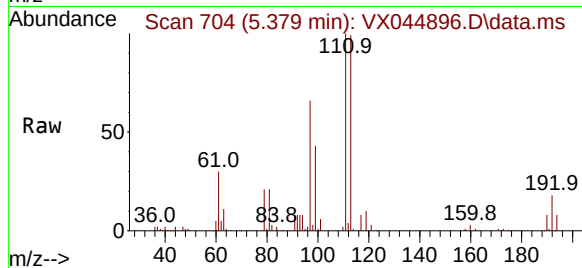
192 17.5 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#36

1,1-Dichloropropene

Concen: 19.249 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

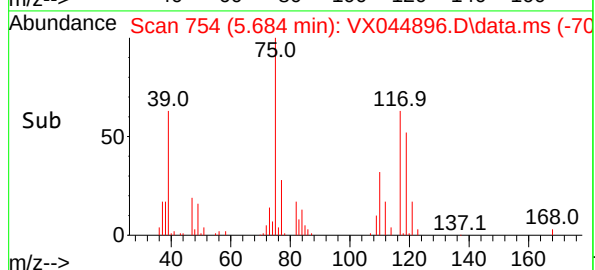
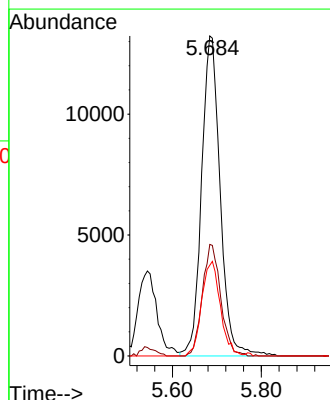
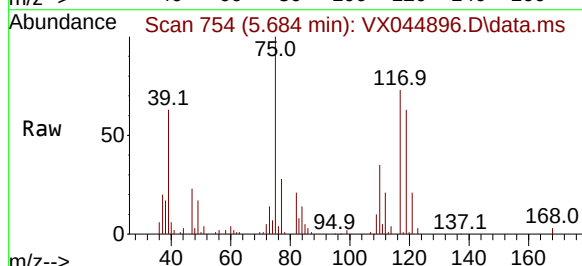
Tgt Ion: 75 Resp: 38557

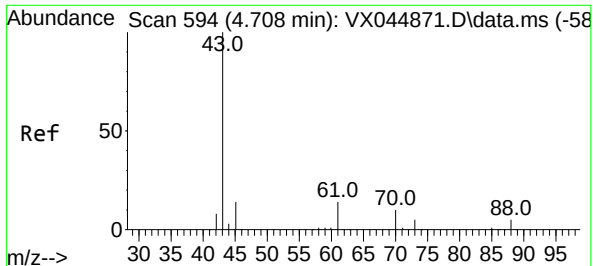
Ion Ratio Lower Upper

75 100

110 34.5 17.2 51.6

77 29.6 24.6 37.0





#37

Ethyl Acetate

Concen: 17.903 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 43 Resp: 3988

Ion Ratio Lower Upper

43 100

61 14.5 11.0 16.4

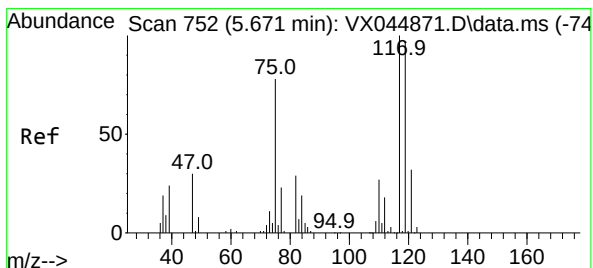
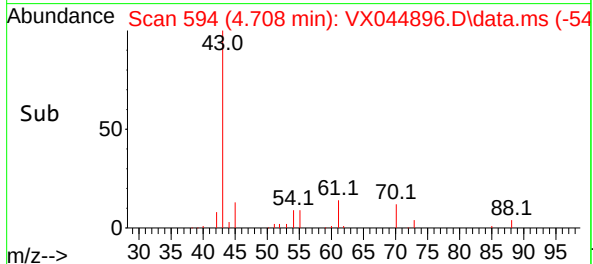
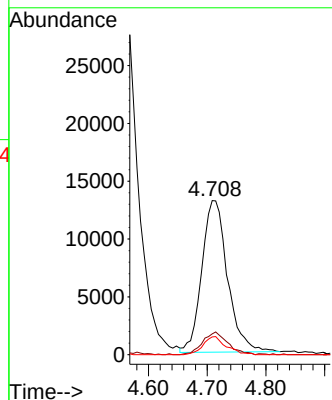
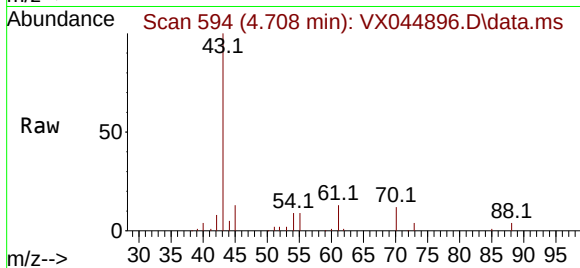
70 10.7 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#38

Carbon Tetrachloride

Concen: 19.346 ug/l

RT: 5.665 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

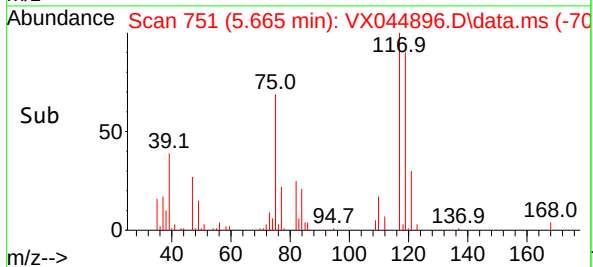
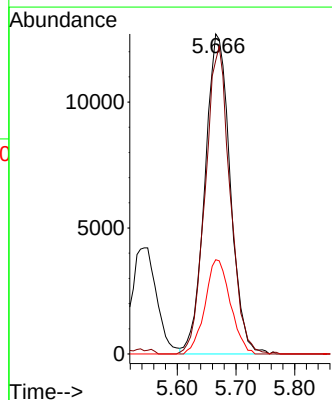
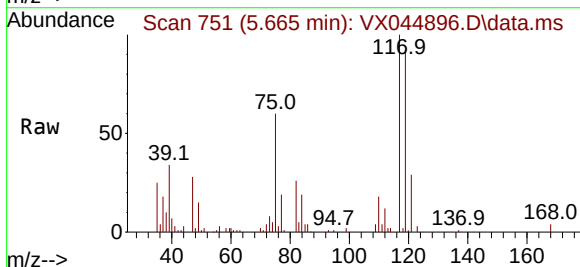
Tgt Ion:117 Resp: 37975

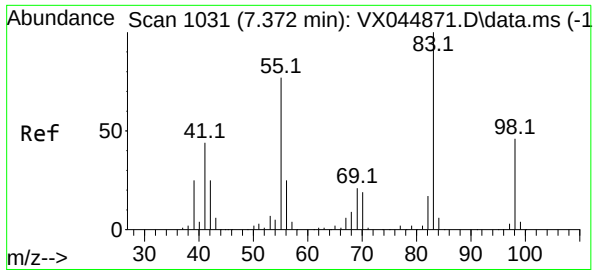
Ion Ratio Lower Upper

117 100

119 91.7 77.5 116.3

121 29.5 25.6 38.4





#39

Methylcyclohexane

Concen: 20.307 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 83 Resp: 5258

Ion Ratio Lower Upper

83 100

55 75.7 61.3 91.9

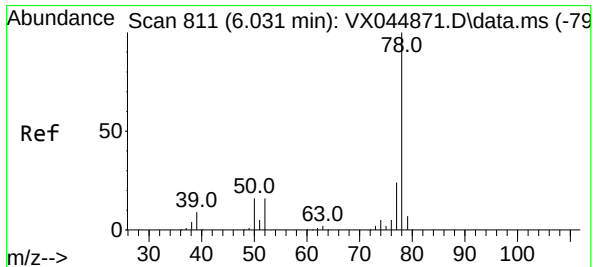
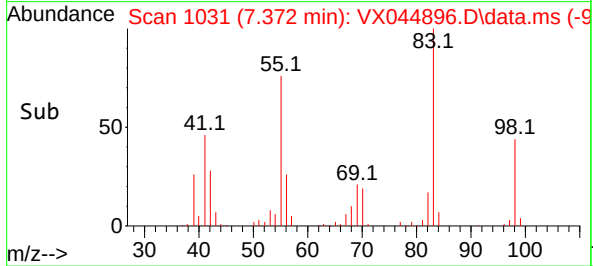
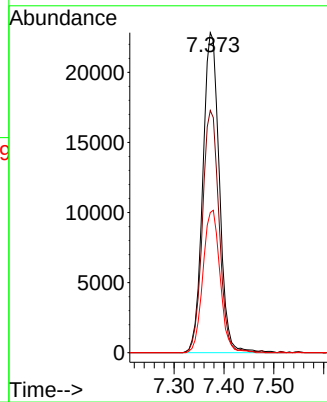
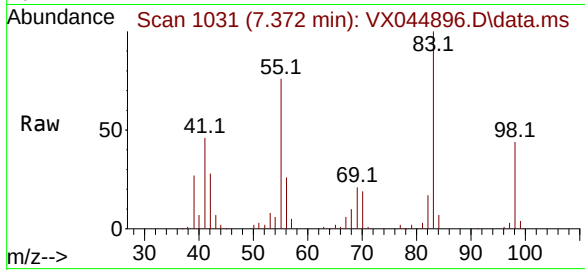
98 43.8 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#40

Benzene

Concen: 19.233 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044896.D

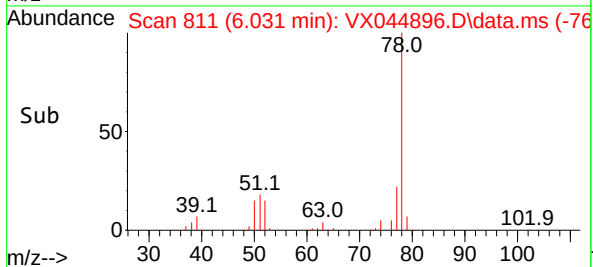
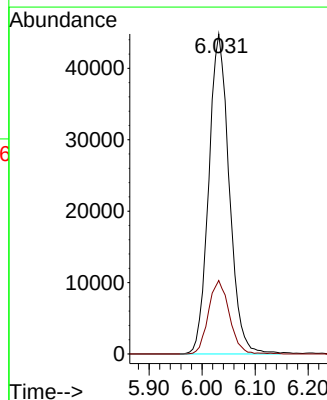
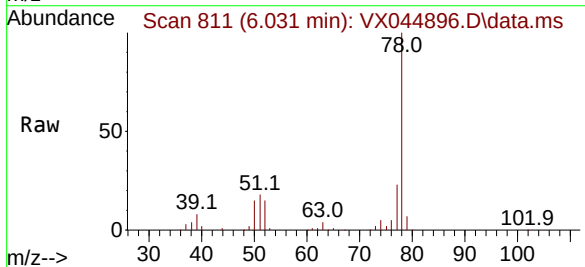
Acq: 11 Feb 2025 11:23

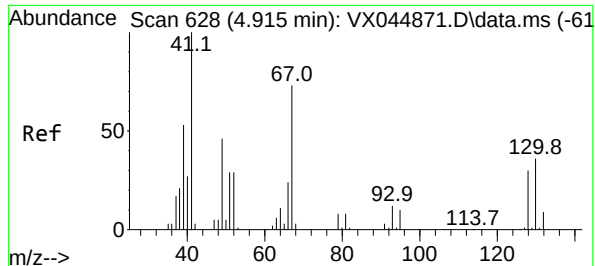
Tgt Ion: 78 Resp: 120297

Ion Ratio Lower Upper

78 100

77 23.0 19.0 28.6





#41

Methacrylonitrile

Concen: 18.621 ug/l

RT: 4.922 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 41 Resp: 2220

Ion Ratio Lower Upper

41 100

39 57.8 43.1 64.7

67 73.5 57.0 85.6

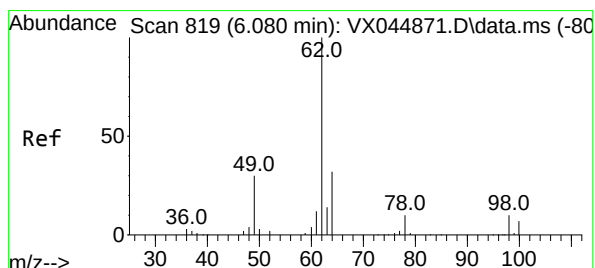
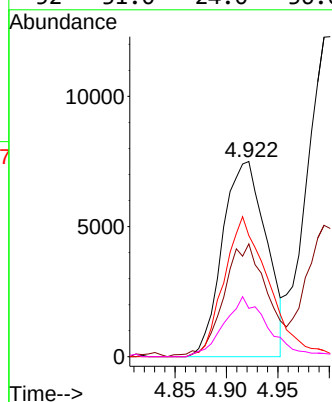
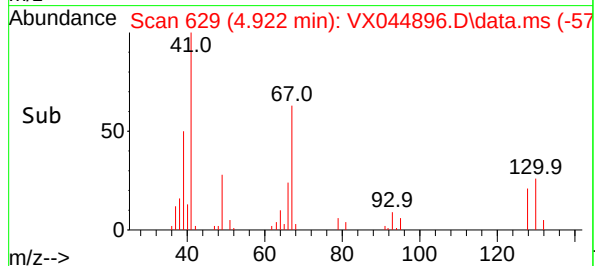
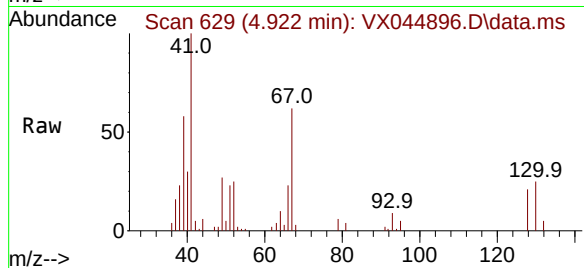
52 31.0 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#42

1,2-Dichloroethane

Concen: 19.662 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.000 min

Lab File: VX044896.D

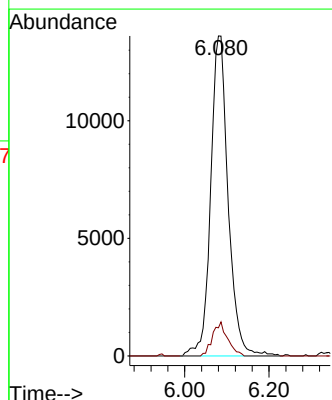
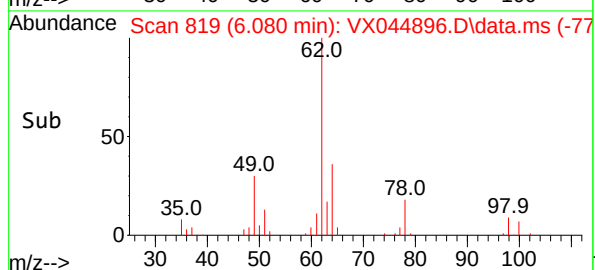
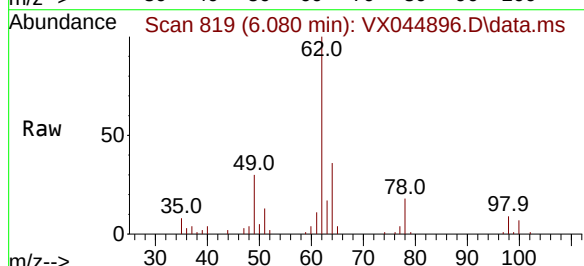
Acq: 11 Feb 2025 11:23

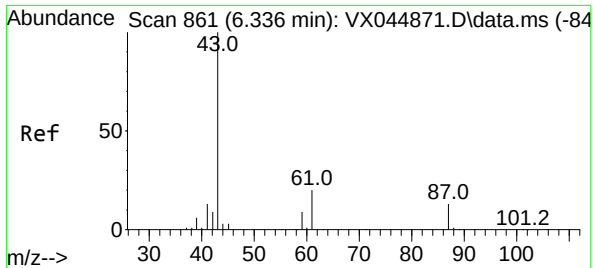
Tgt Ion: 62 Resp: 39196

Ion Ratio Lower Upper

62 100

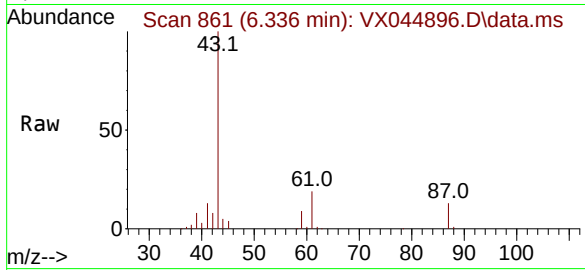
98 9.1 0.0 19.4





#43
Isopropyl Acetate
Concen: 18.670 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

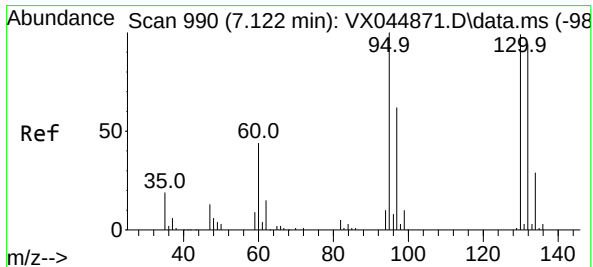
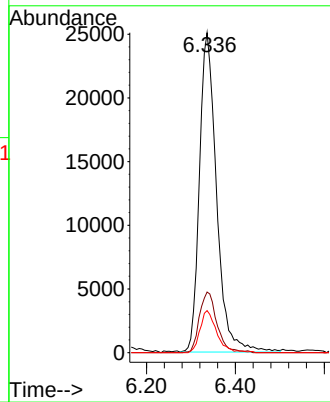
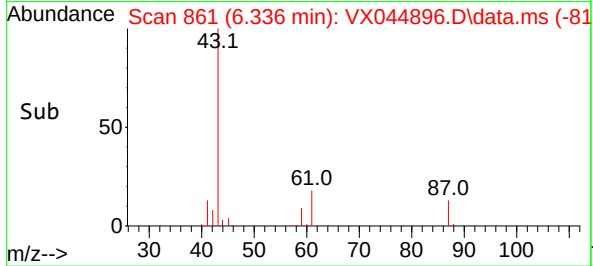
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01



Tgt Ion: 43 Resp: 6717
Ion Ratio Lower Upper
43 100
61 19.5 15.8 23.8
87 12.9 10.0 15.0

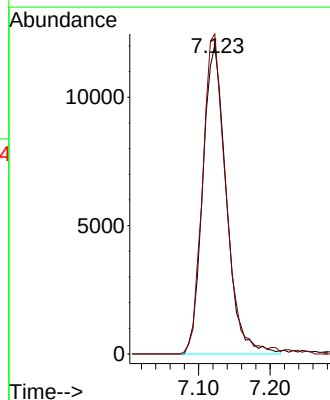
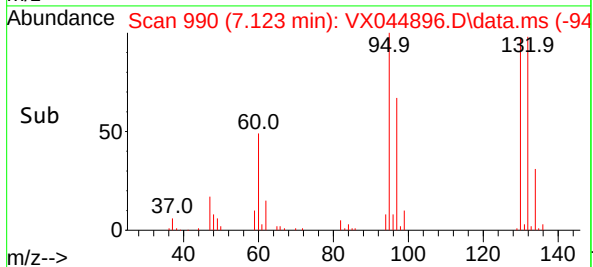
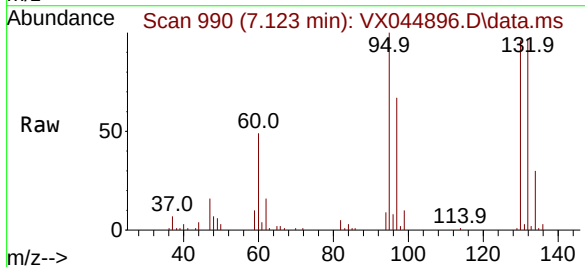
Manual Integrations
APPROVED

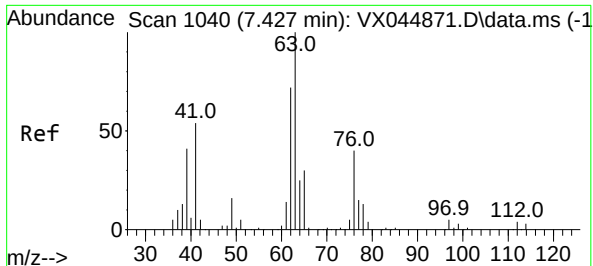
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#44
Trichloroethene
Concen: 19.193 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:130 Resp: 27440
Ion Ratio Lower Upper
130 100
95 103.8 0.0 202.4





#45

1,2-Dichloropropane

Concen: 19.091 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 63 Resp: 2970

Ion Ratio Lower Upper

63 100

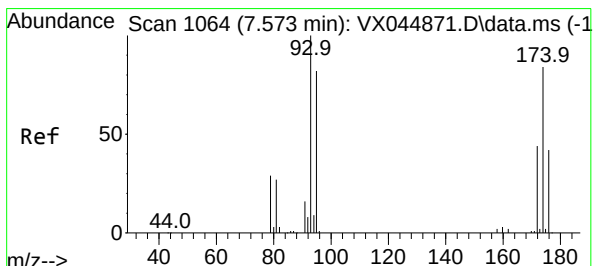
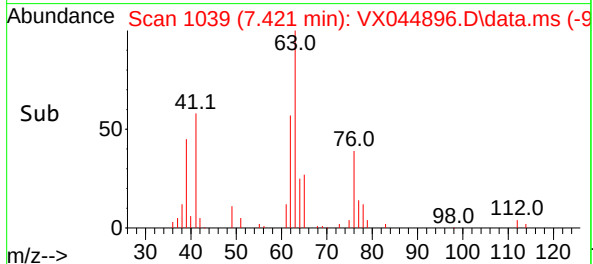
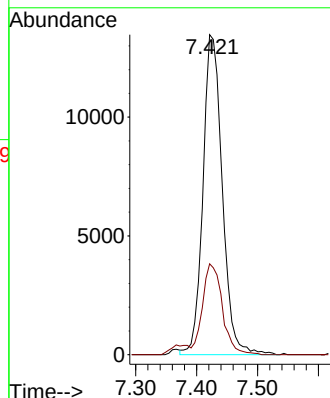
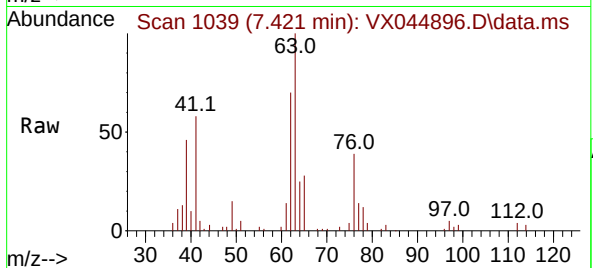
65 28.4 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#46

Dibromomethane

Concen: 19.240 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

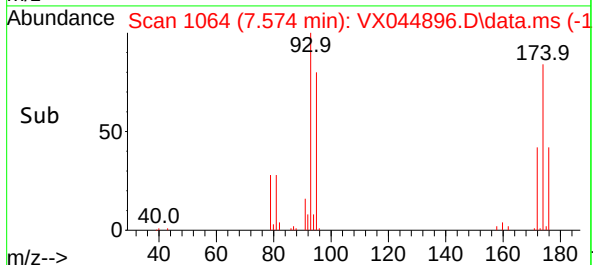
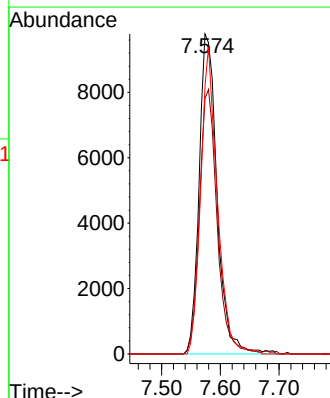
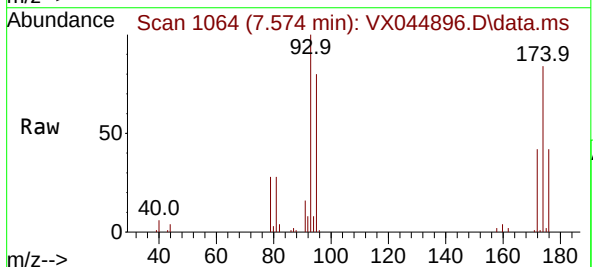
Tgt Ion: 93 Resp: 20763

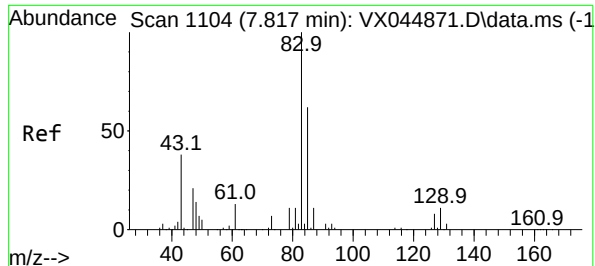
Ion Ratio Lower Upper

93 100

95 81.2 66.2 99.4

174 88.8 69.9 104.9





#47

Bromodichloromethane

Concen: 19.539 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

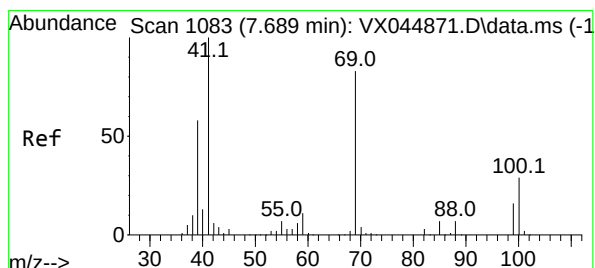
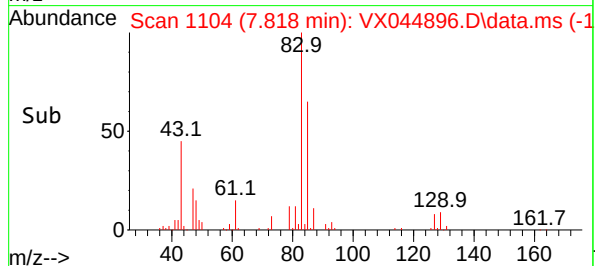
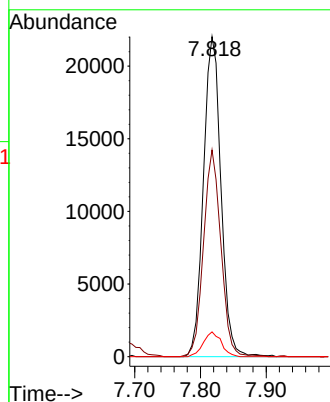
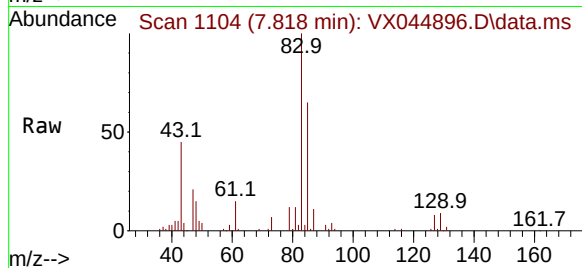
Tgt Ion:	83	Resp:	4082
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.0	75.0
127	7.7	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#48

Methyl methacrylate

Concen: 18.854 ug/l

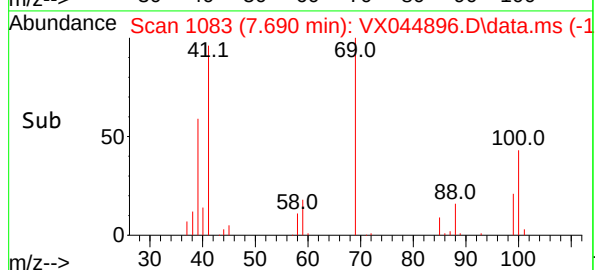
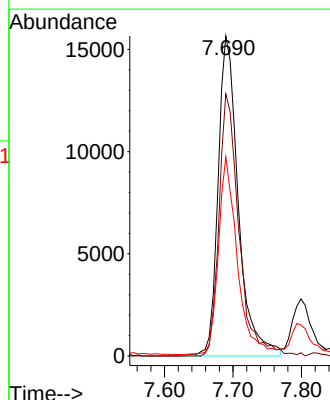
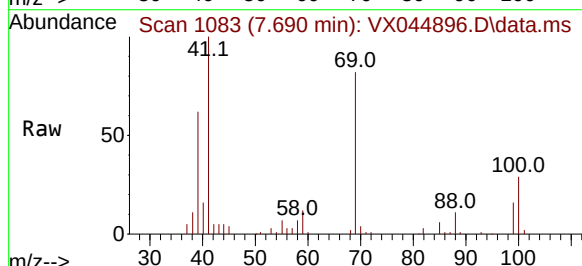
RT: 7.690 min Scan# 1083

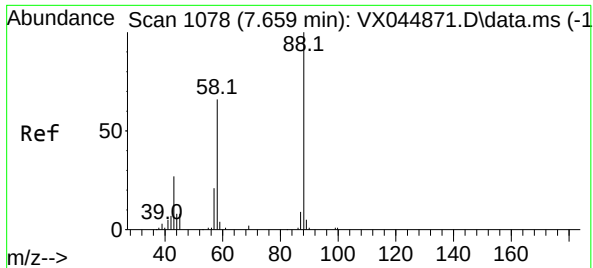
Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Tgt Ion:	41	Resp:	31984
Ion	Ratio	Lower	Upper
41	100		
69	80.7	65.8	98.8
39	57.5	46.4	69.6





#49

1,4-Dioxane

Concen: 413.003 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 88 Resp: 1503

Ion Ratio Lower Upper

88 100

43 36.3 26.6 39.8

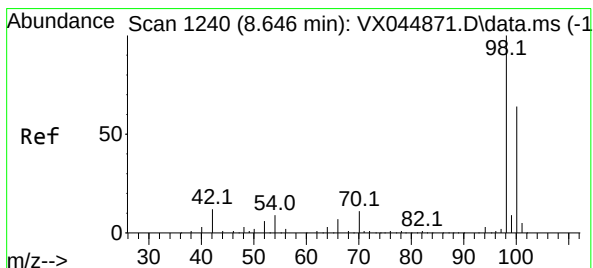
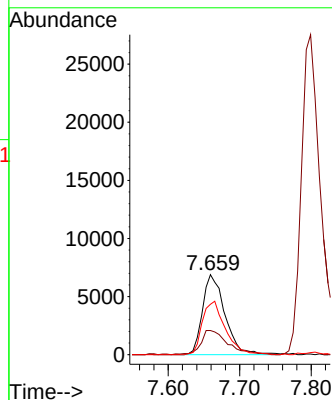
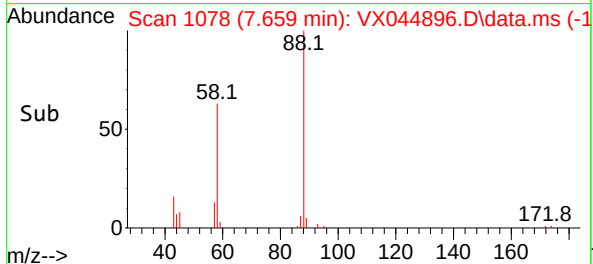
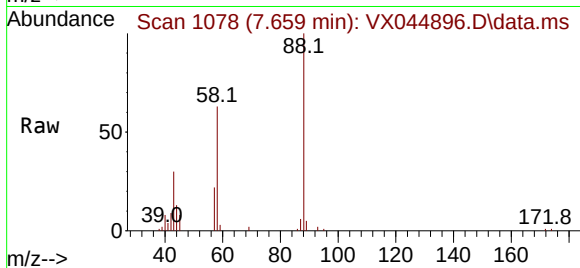
58 68.2 55.9 83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#50

Toluene-d8

Concen: 46.183 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044896.D

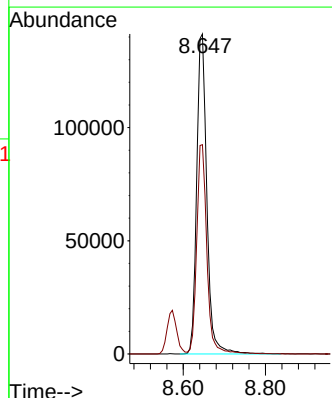
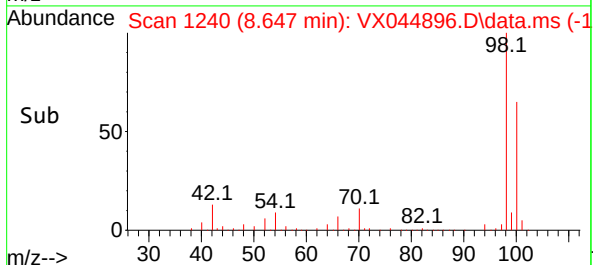
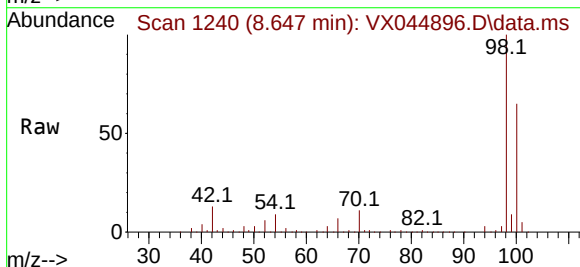
Acq: 11 Feb 2025 11:23

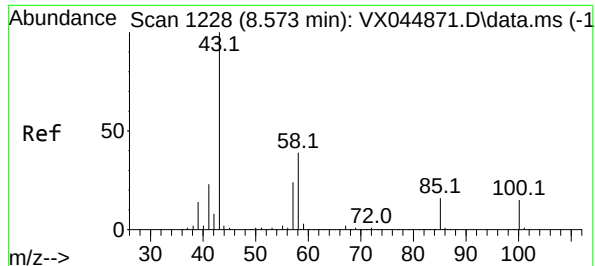
Tgt Ion: 98 Resp: 242464

Ion Ratio Lower Upper

98 100

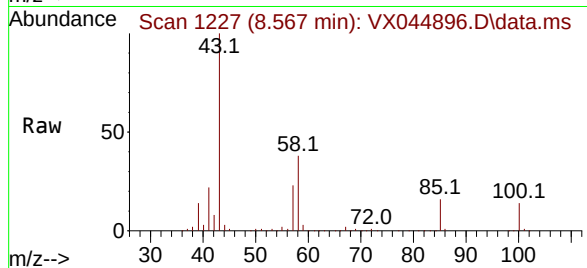
100 65.1 52.7 79.1





#51
4-Methyl-2-Pentanone
Concen: 99.343 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

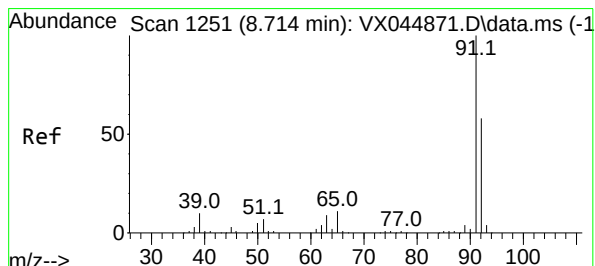
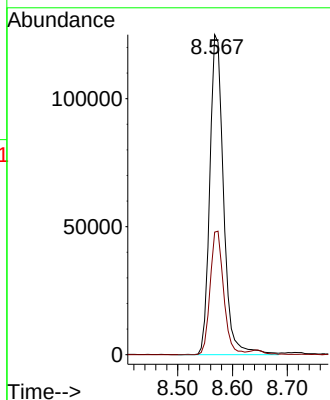
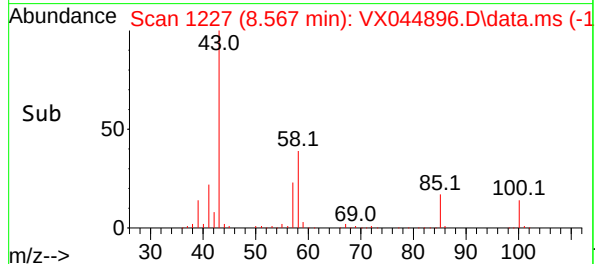
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01



Tgt Ion: 43 Resp: 217292
Ion Ratio Lower Upper
43 100
58 37.9 30.8 46.2

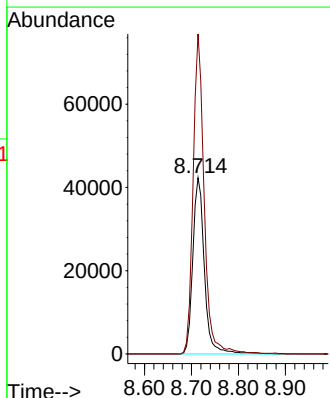
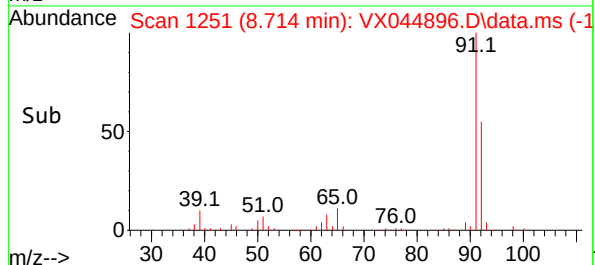
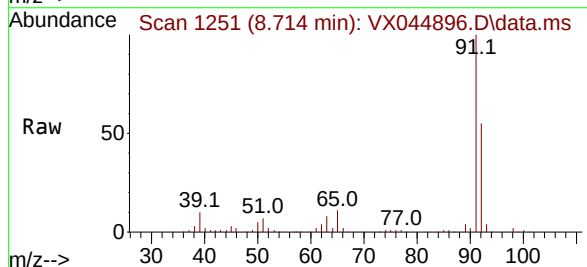
Manual Integrations
APPROVED

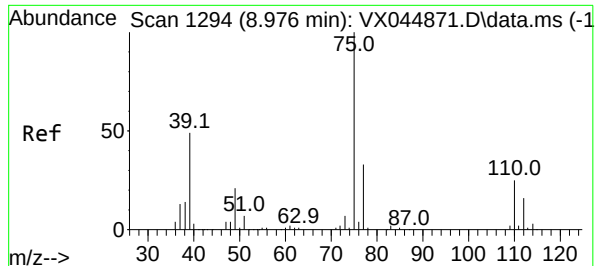
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#52
Toluene
Concen: 19.549 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 92 Resp: 72821
Ion Ratio Lower Upper
92 100
91 174.1 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 18.577 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 75 Resp: 3928

Ion Ratio Lower Upper

75 100

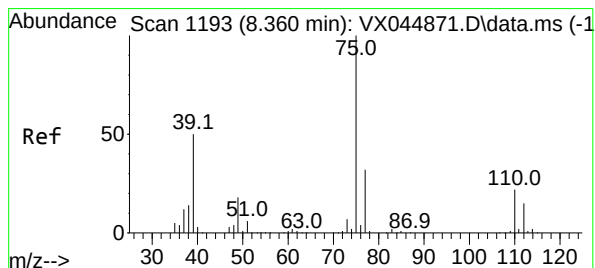
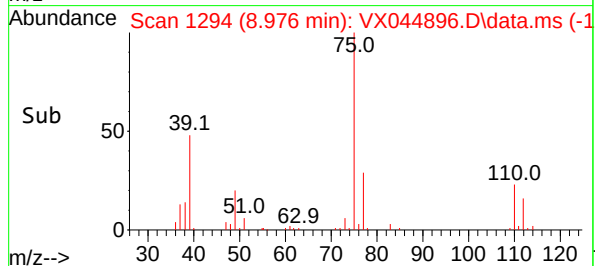
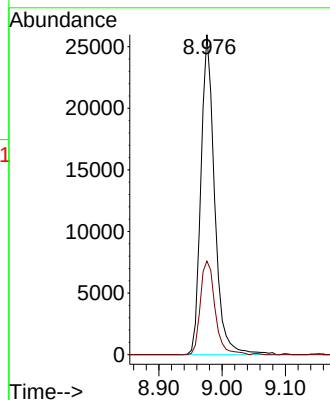
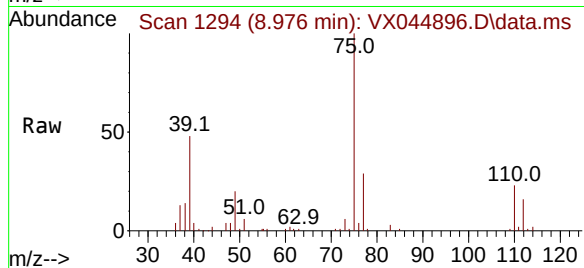
77 29.3 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#54

cis-1,3-Dichloropropene

Concen: 19.077 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

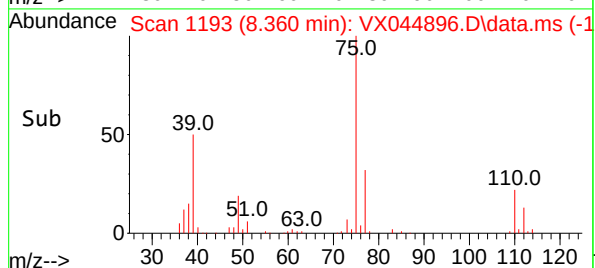
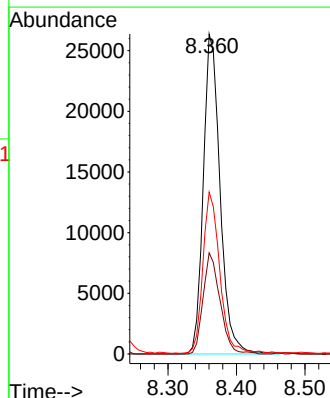
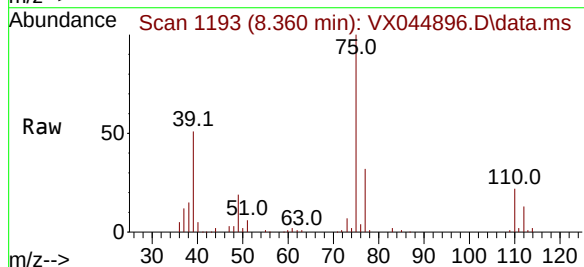
Tgt Ion: 75 Resp: 44977

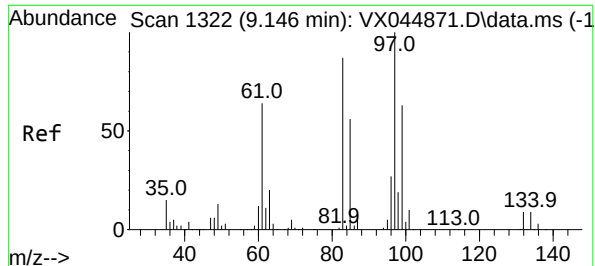
Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

39 50.4 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 19.816 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 97 Resp: 28370

Ion Ratio Lower Upper

97 100

83 82.7 69.8 104.6

85 54.4 44.8 67.2

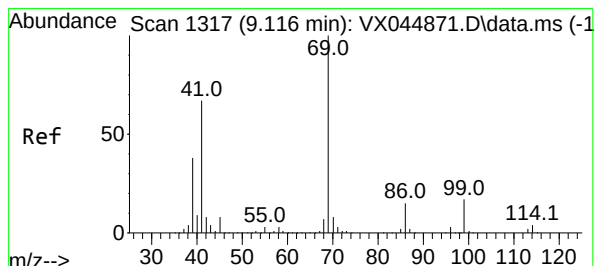
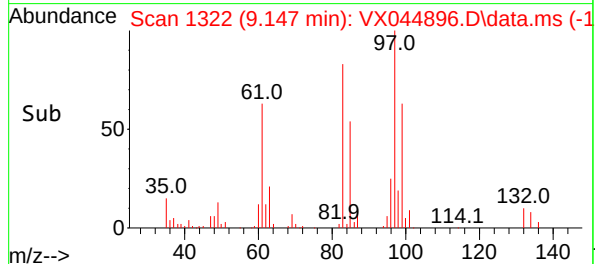
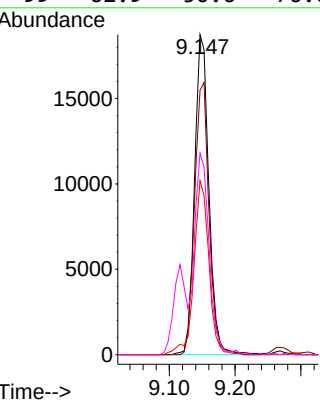
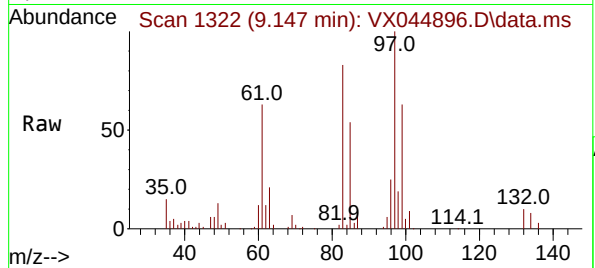
99 62.9 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#56

Ethyl methacrylate

Concen: 19.041 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

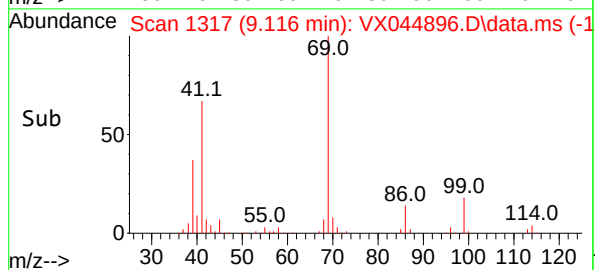
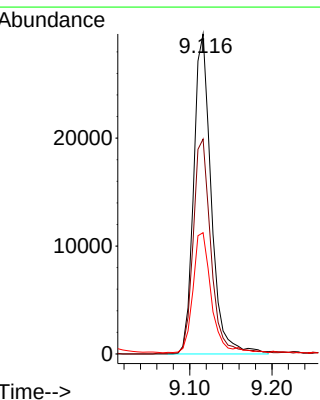
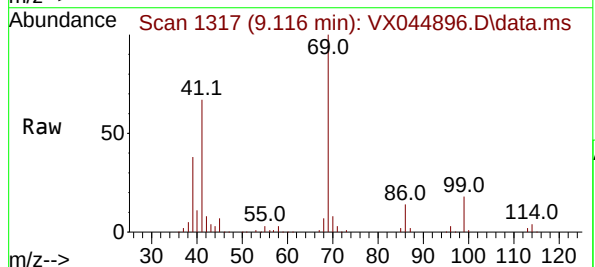
Tgt Ion: 69 Resp: 44038

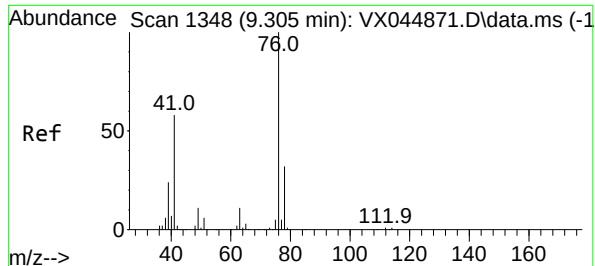
Ion Ratio Lower Upper

69 100

41 68.6 55.2 82.8

39 39.3 30.8 46.2





#57

1,3-Dichloropropane

Concen: 19.446 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 76 Resp: 4872

Ion Ratio Lower Upper

76 100

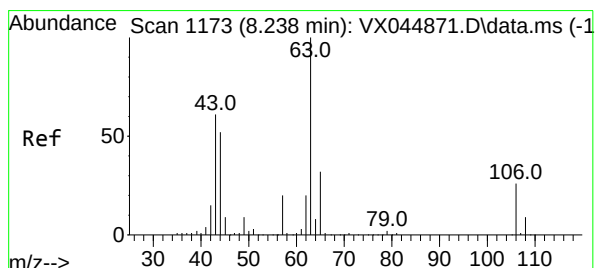
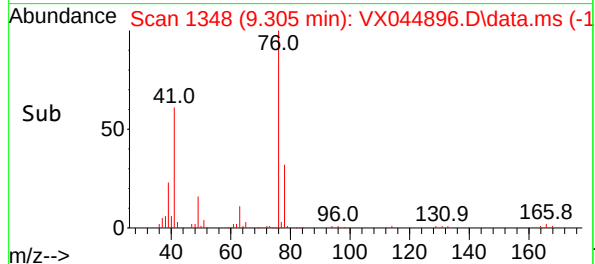
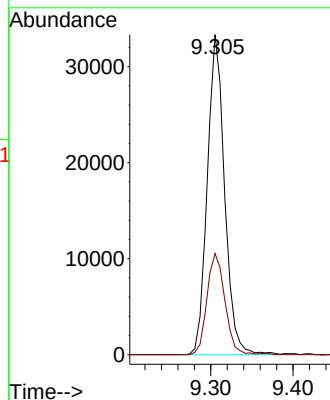
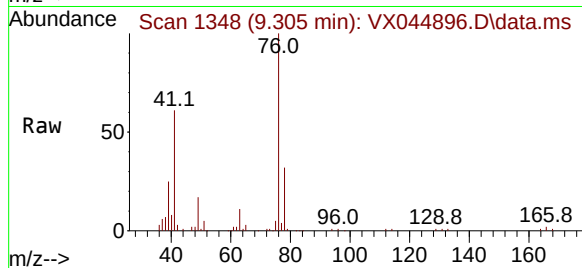
78 32.8 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#58

2-Chloroethyl Vinyl ether

Concen: 80.829 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044896.D

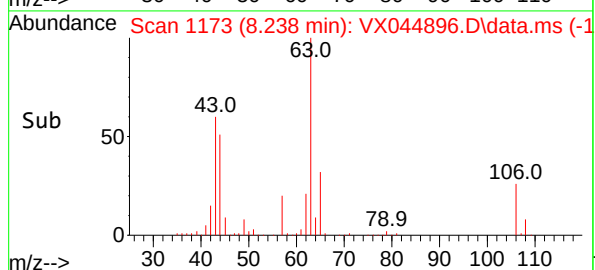
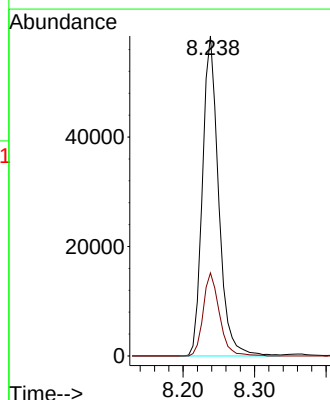
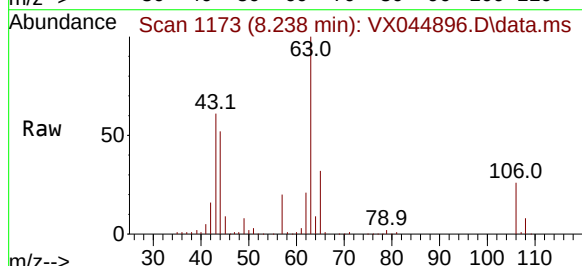
Acq: 11 Feb 2025 11:23

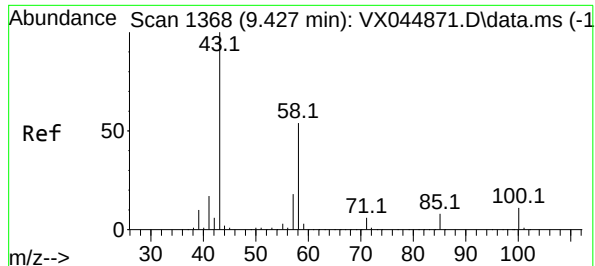
Tgt Ion: 63 Resp: 91789

Ion Ratio Lower Upper

63 100

106 26.0 21.3 31.9





#59

2-Hexanone

Concen: 101.894 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 43 Resp: 16058

Ion Ratio Lower Upper

43 100

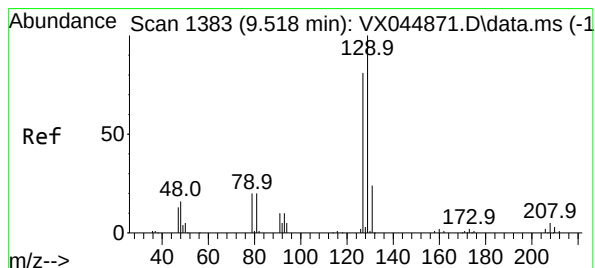
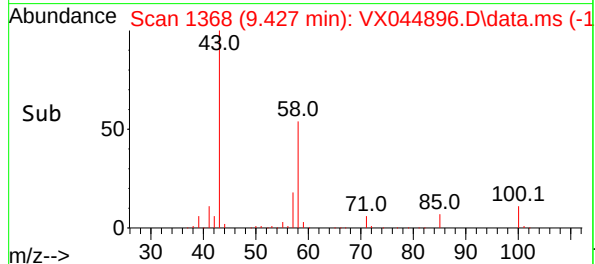
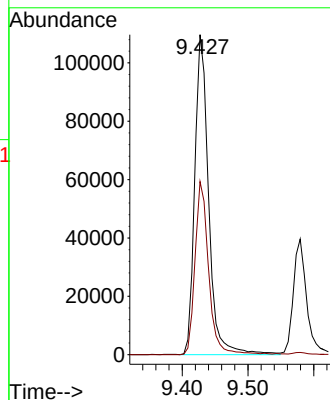
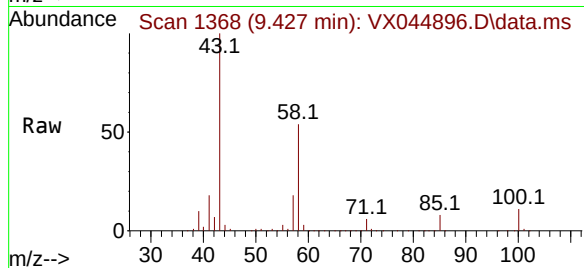
58 53.2 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#60

Dibromochloromethane

Concen: 18.964 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044896.D

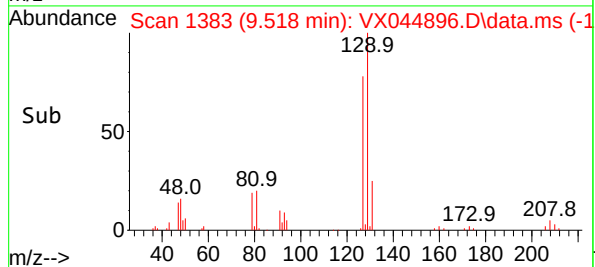
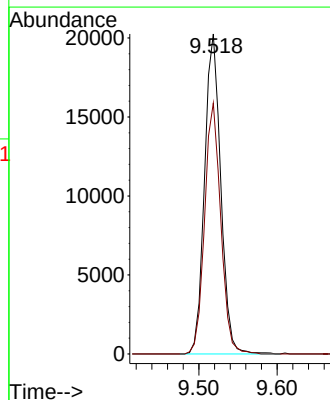
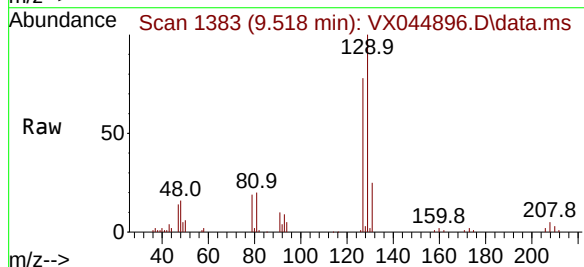
Acq: 11 Feb 2025 11:23

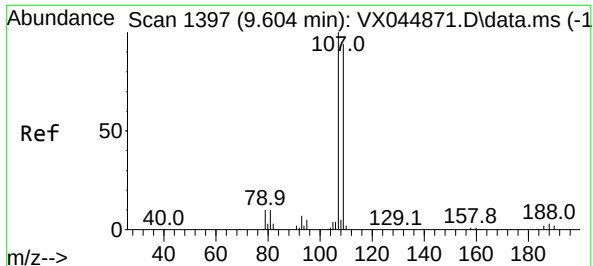
Tgt Ion:129 Resp: 29042

Ion Ratio Lower Upper

129 100

127 78.2 39.1 117.3





#61

1,2-Dibromoethane

Concen: 19.199 ug/l

RT: 9.610 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion:107 Resp: 2786

Ion Ratio Lower Upper

107 100

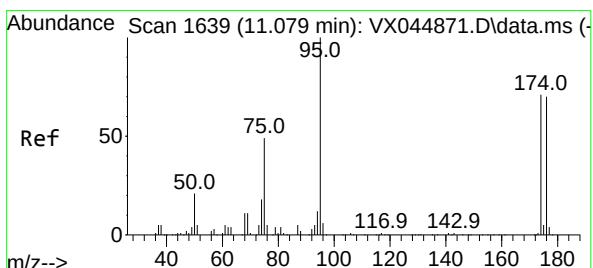
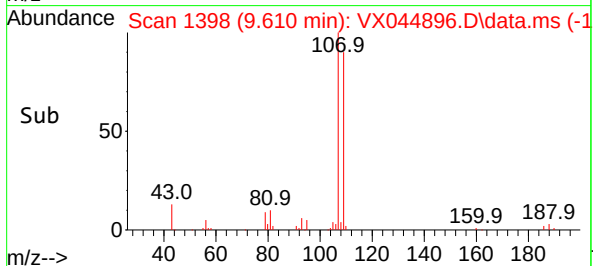
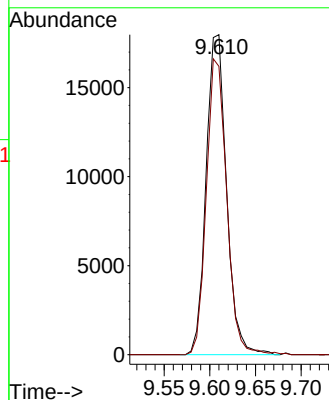
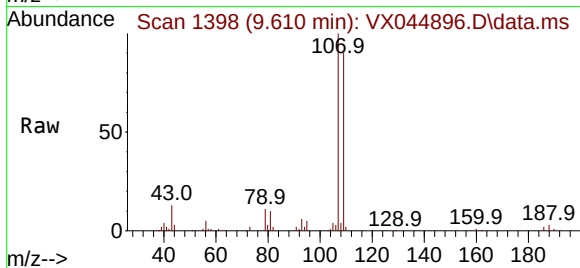
109 92.2 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#62

4-Bromofluorobenzene

Concen: 47.362 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

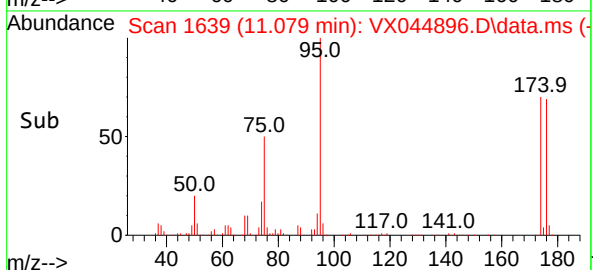
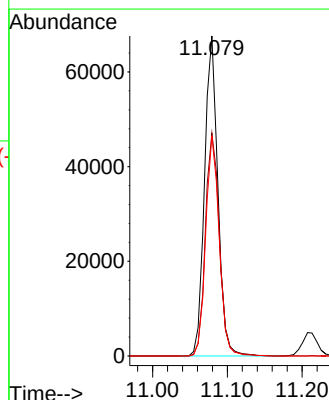
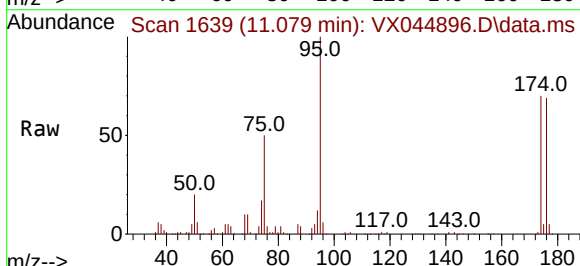
Tgt Ion: 95 Resp: 83827

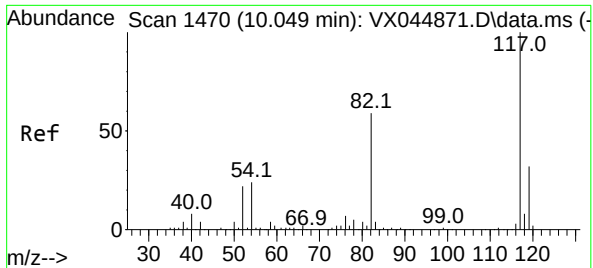
Ion Ratio Lower Upper

95 100

174 72.9 0.0 142.6

176 69.4 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: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion:117 Resp: 190238

Ion Ratio Lower Upper

117 100

82 57.0 47.5 71.3

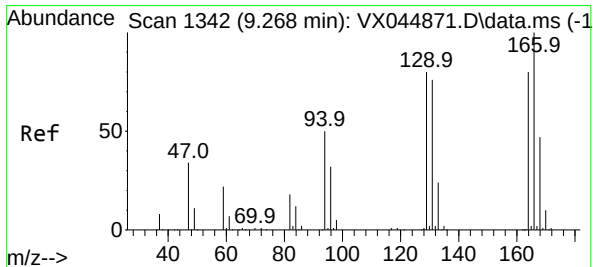
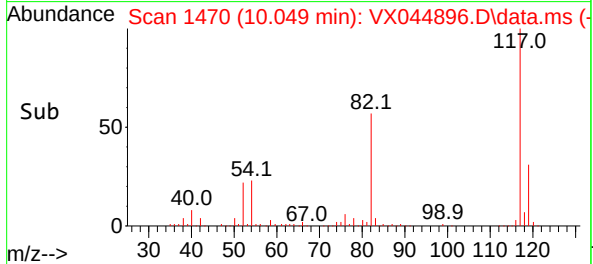
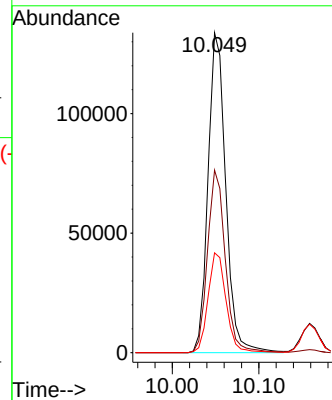
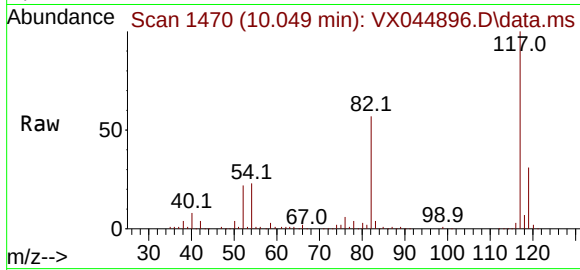
119 31.2 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#64

Tetrachloroethene

Concen: 18.808 ug/l

RT: 9.268 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Tgt Ion:164 Resp: 22565

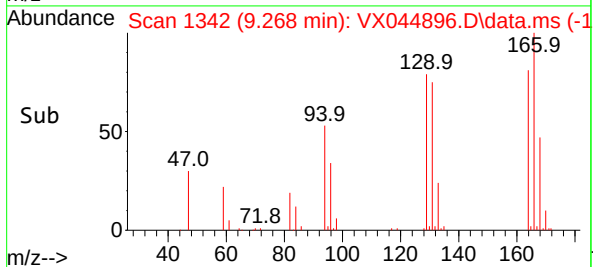
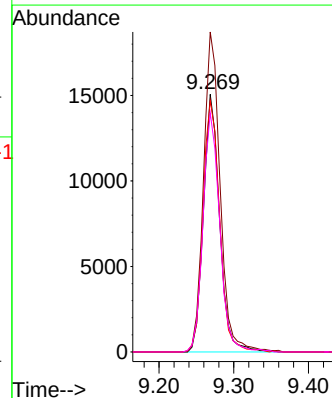
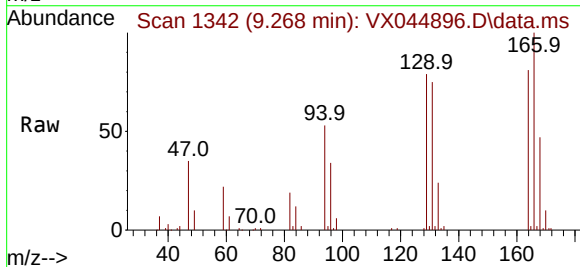
Ion Ratio Lower Upper

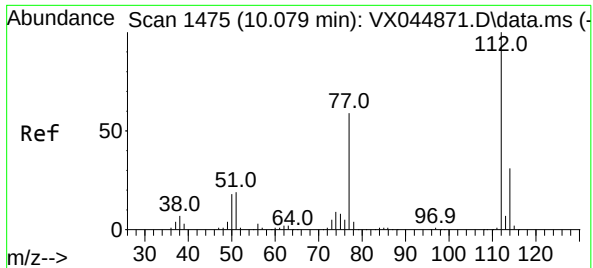
164 100

166 124.2 100.4 150.6

129 97.5 79.9 119.9

131 92.8 75.9 113.9





#65

Chlorobenzene

Concen: 19.048 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion:112 Resp: 77829

Ion Ratio Lower Upper

112 100

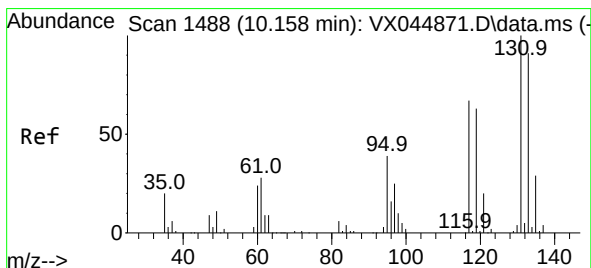
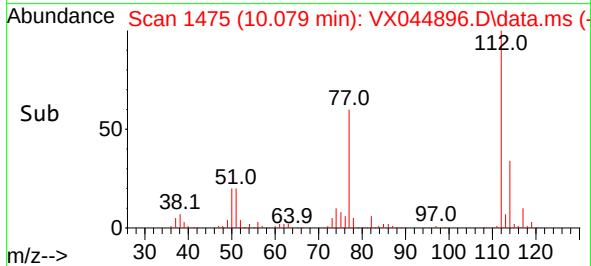
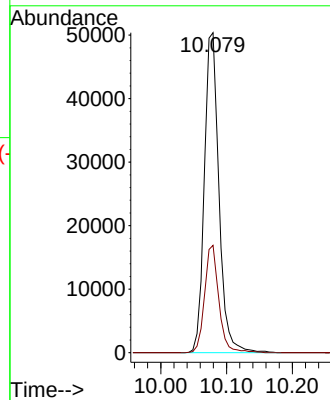
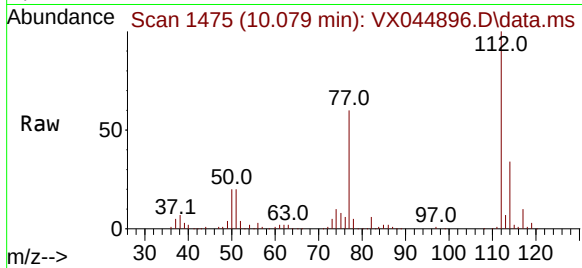
114 33.6 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 18.825 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

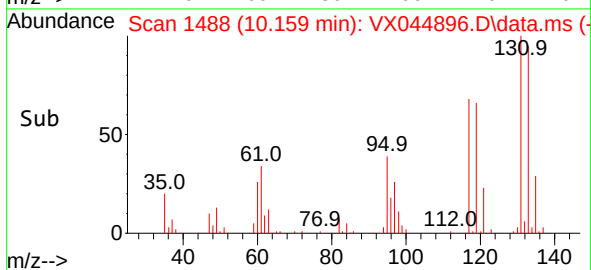
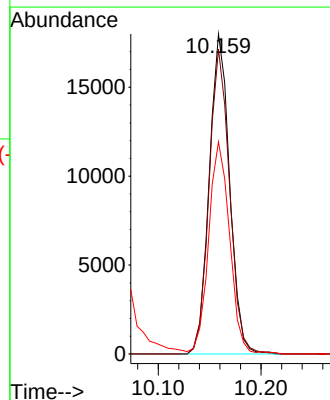
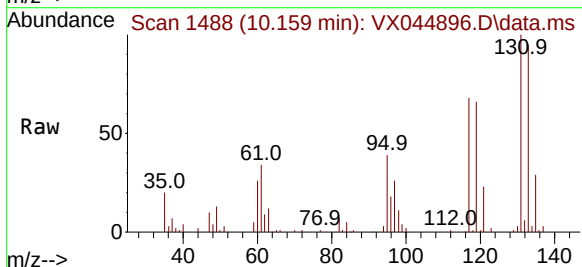
Tgt Ion:131 Resp: 24758

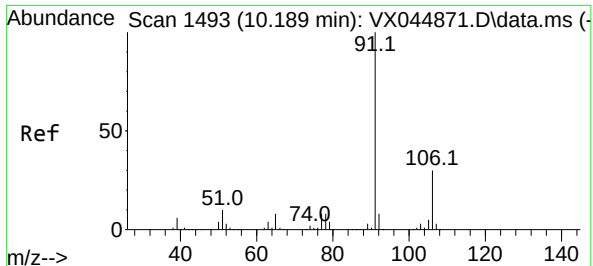
Ion Ratio Lower Upper

131 100

133 96.1 47.1 141.3

119 68.2 33.6 100.6





#67

Ethyl Benzene

Concen: 19.107 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 91 Resp: 13777

Ion Ratio Lower Upper

91 100

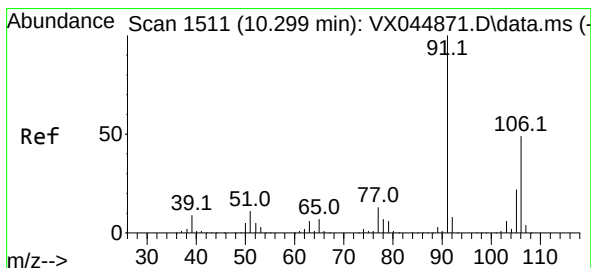
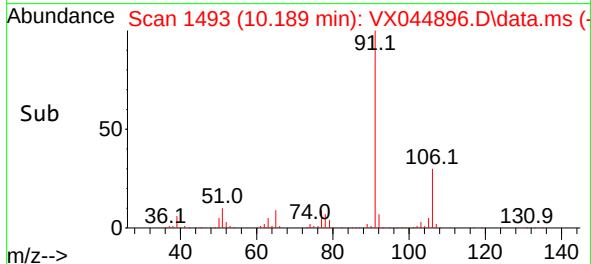
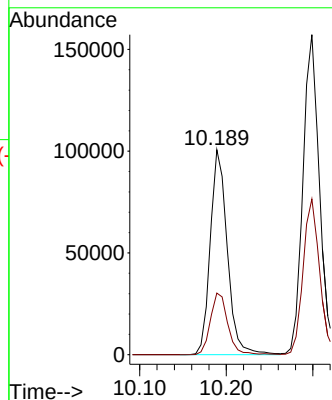
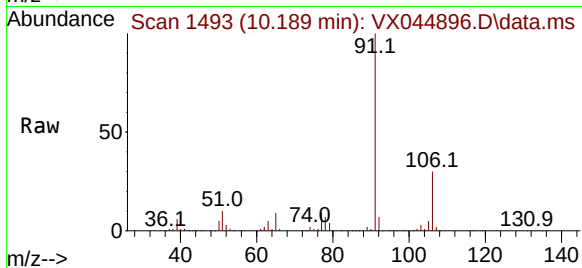
106 30.0 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#68

m/p-Xylenes

Concen: 38.857 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044896.D

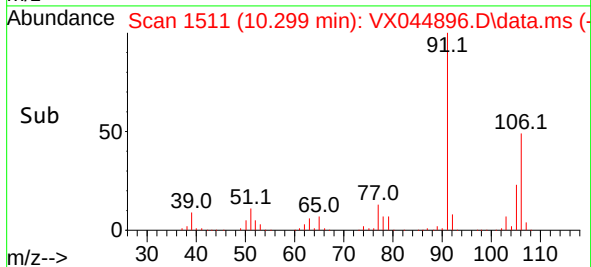
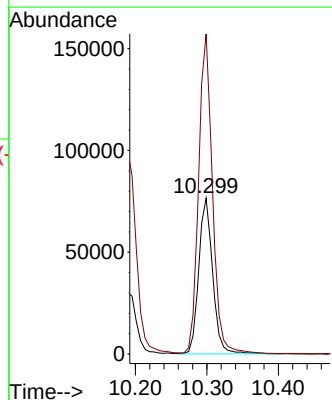
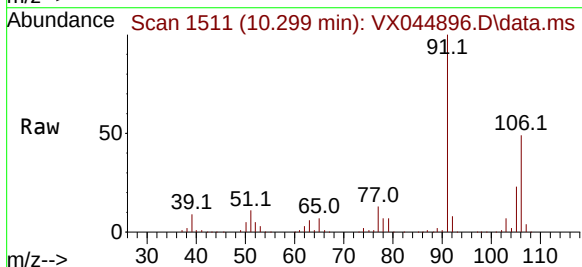
Acq: 11 Feb 2025 11:23

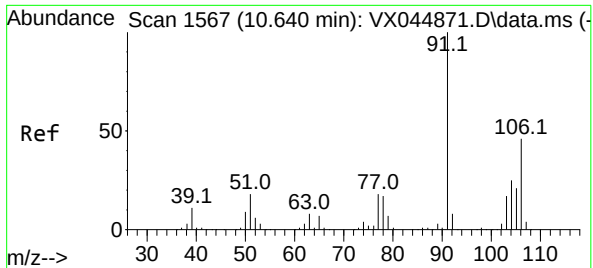
Tgt Ion:106 Resp: 103355

Ion Ratio Lower Upper

106 100

91 204.9 164.3 246.5





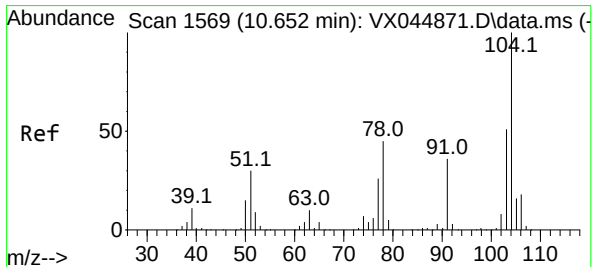
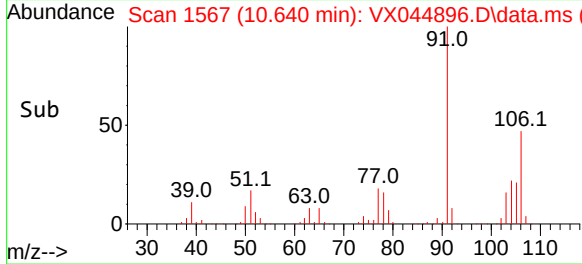
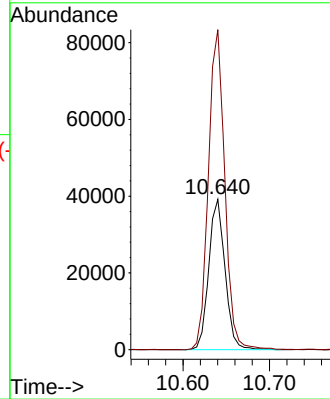
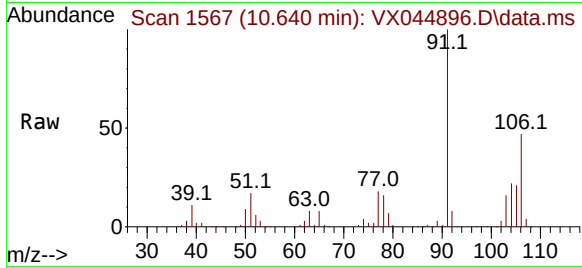
#69
o-Xylene
Concen: 19.188 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion:106 Resp: 5121
Ion Ratio Lower Upper
106 100
91 214.3 108.5 325.5

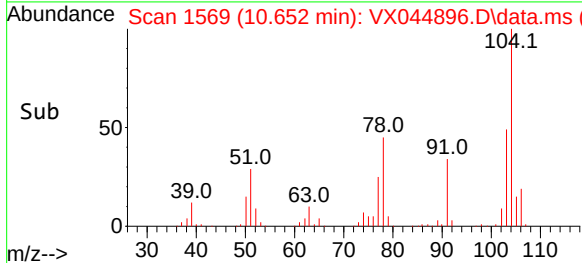
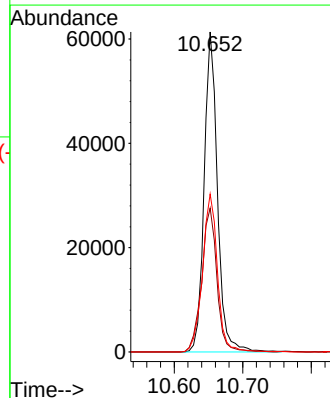
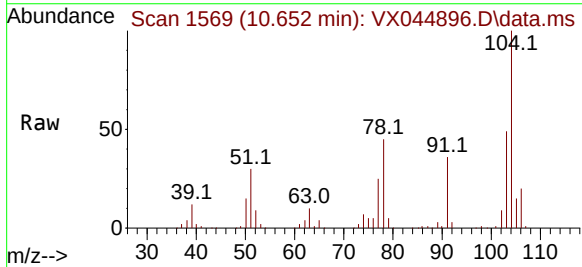
Manual Integrations
APPROVED

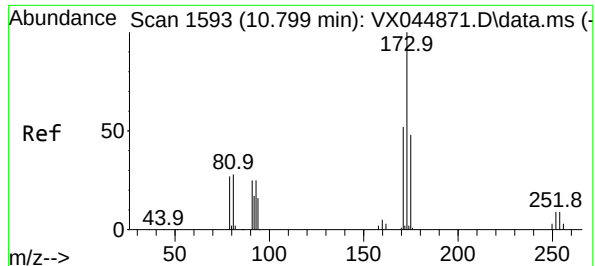
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#70
Styrene
Concen: 19.304 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

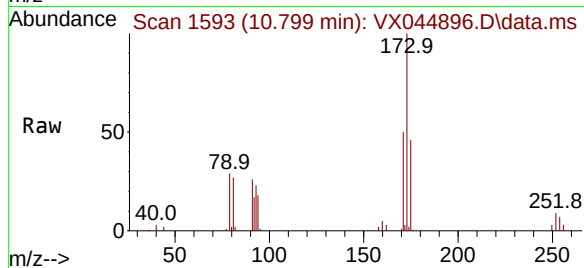
Tgt Ion:104 Resp: 83008
Ion Ratio Lower Upper
104 100
78 51.4 40.5 60.7
103 55.6 43.6 65.4





#71
Bromoform
Concen: 19.176 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

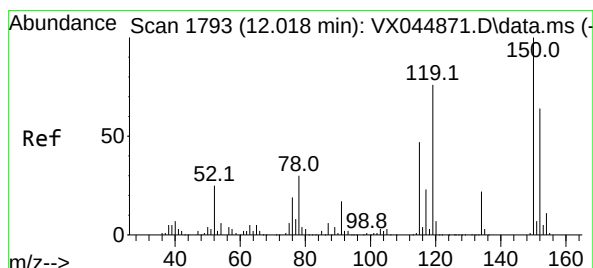
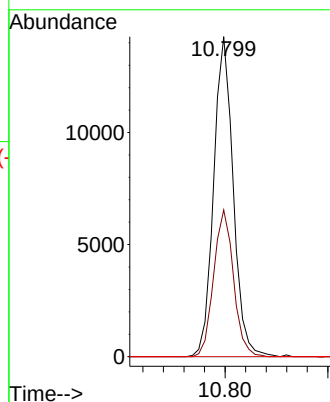
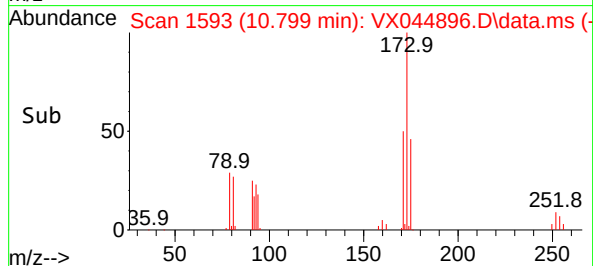
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01



Tgt Ion:173 Resp: 1882
Ion Ratio Lower Upper
173 100
175 46.5 24.3 72.8
254 0.0 0.0 0.0

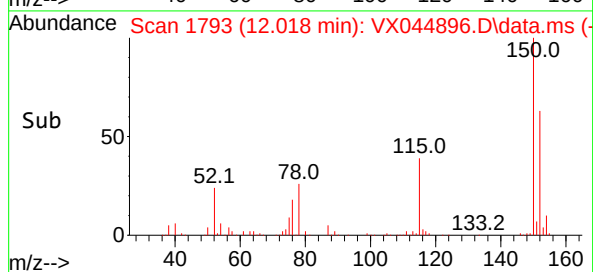
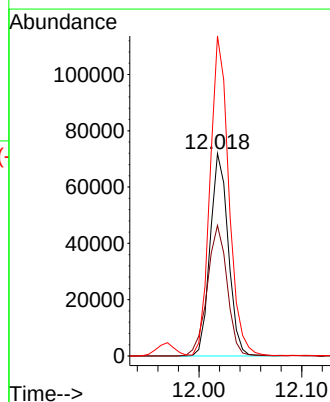
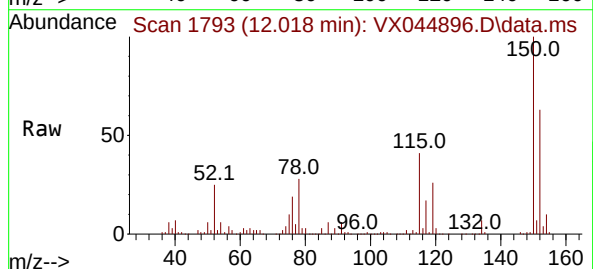
Manual Integrations
APPROVED

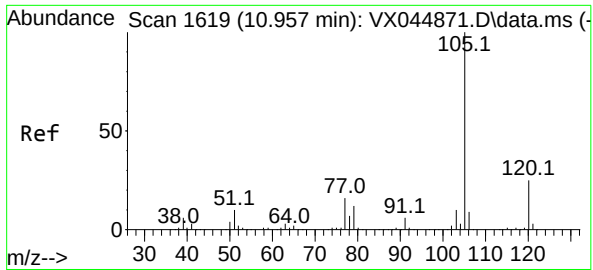
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:152 Resp: 87843
Ion Ratio Lower Upper
152 100
115 70.9 43.4 130.1
150 163.8 0.0 350.4





#73

Isopropylbenzene

Concen: 18.358 ug/l

RT: 10.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion:105 Resp: 12984

Ion Ratio Lower Upper

105 100

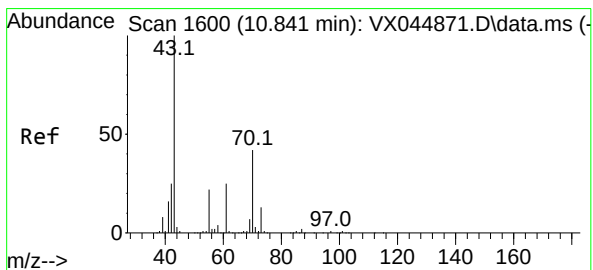
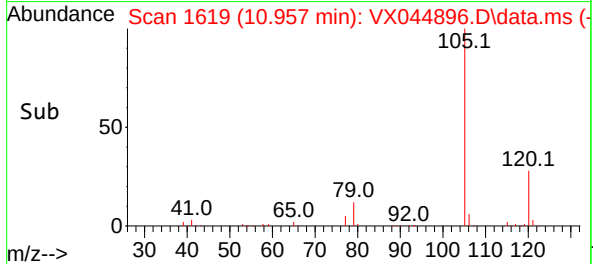
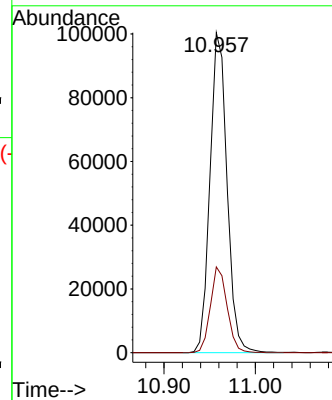
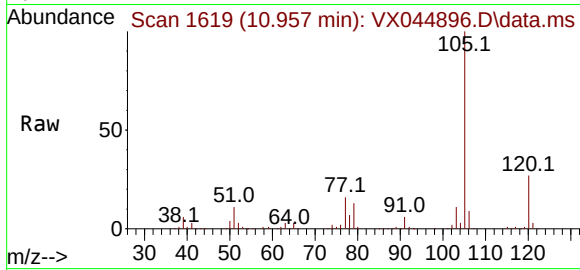
120 26.2 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#74

N-ethyl acetate

Concen: 18.492 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Tgt Ion: 43 Resp: 59187

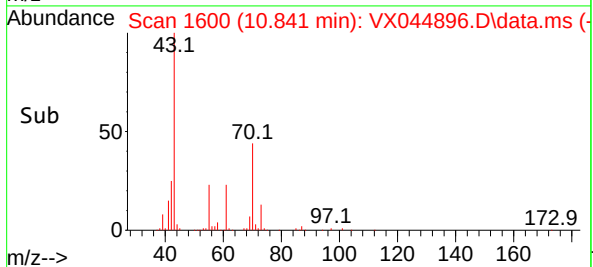
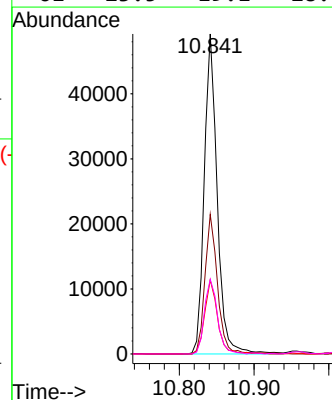
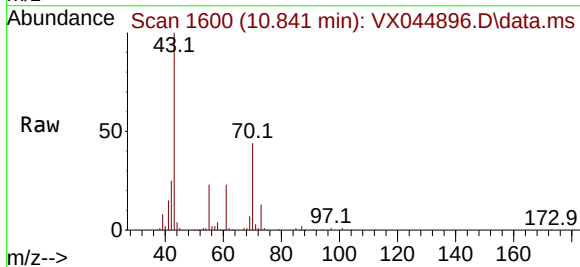
Ion Ratio Lower Upper

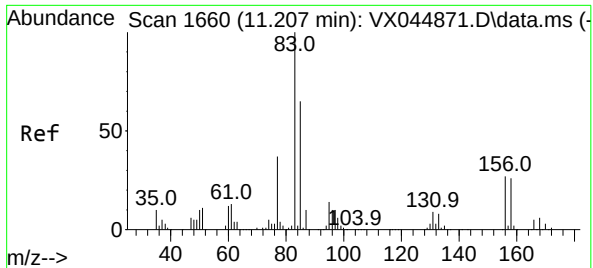
43 100

70 42.4 33.7 50.5

55 23.2 18.6 27.8

61 23.5 19.1 28.7





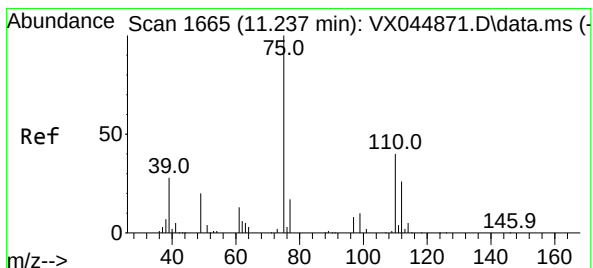
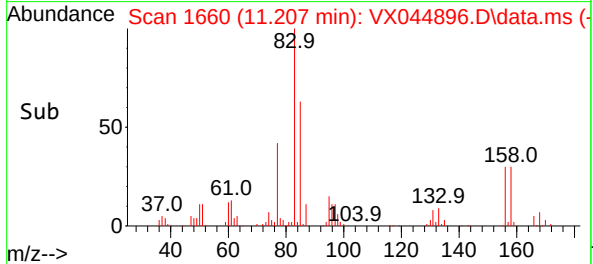
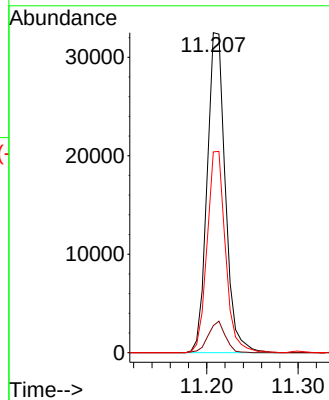
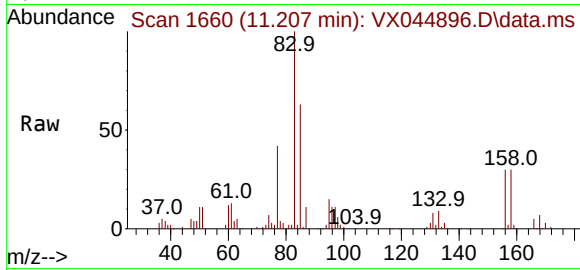
#75
1,1,2,2-Tetrachloroethane
Concen: 18.453 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 83 Resp: 44850
Ion Ratio Lower Upper
83 100
131 9.3 4.5 13.5
85 63.4 32.3 96.8

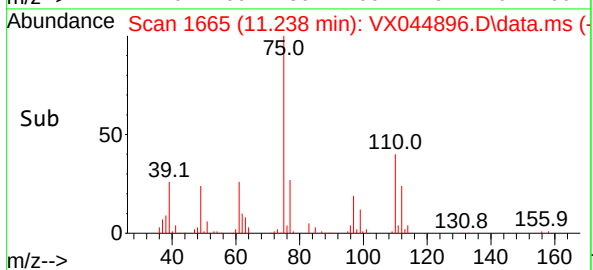
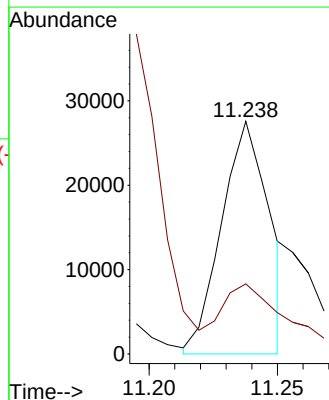
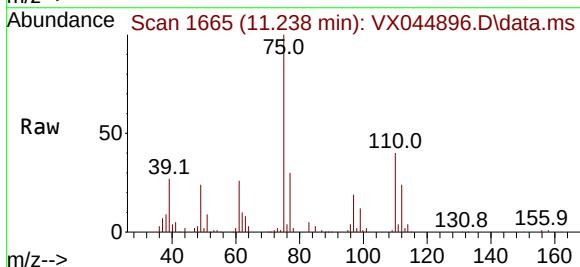
Manual Integrations
APPROVED

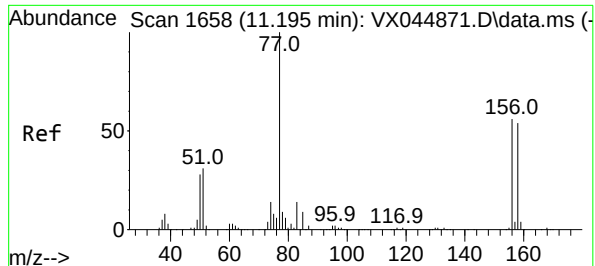
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#76
1,2,3-Trichloropropane
Concen: 18.222 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 75 Resp: 35490
Ion Ratio Lower Upper
75 100
77 42.0 21.9 65.7





#77

Bromobenzene

Concen: 18.745 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

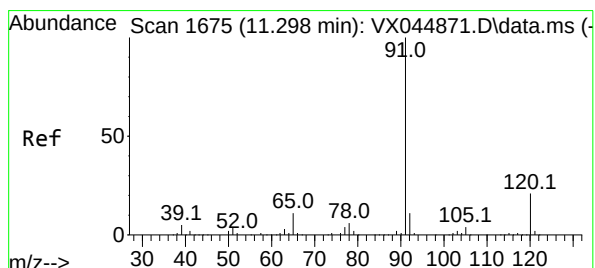
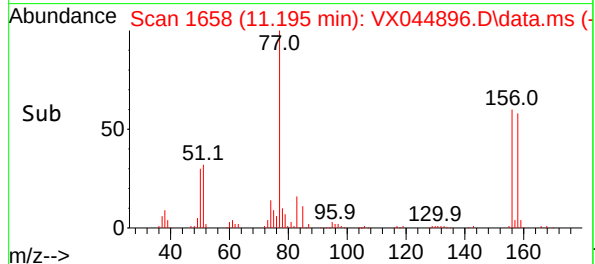
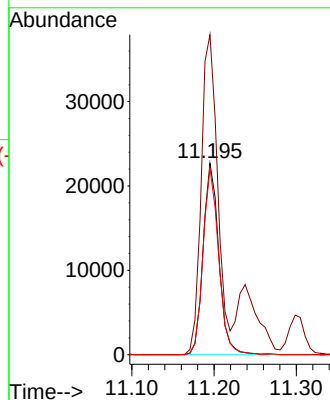
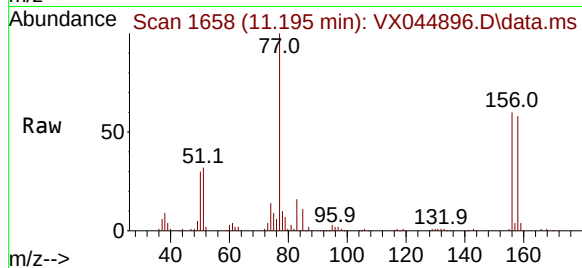
Tgt Ion:	156	Resp:	3005
Ion Ratio	Lower	Upper	
156	100		
77	174.2	88.4	265.3
158	96.9	48.4	145.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#78

n-propylbenzene

Concen: 18.663 ug/l

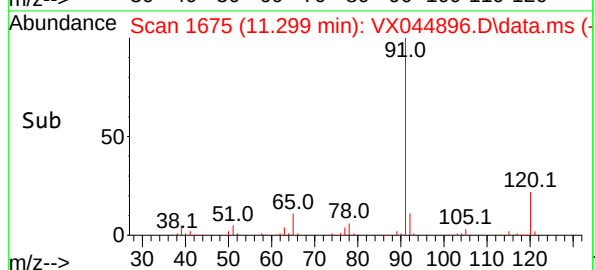
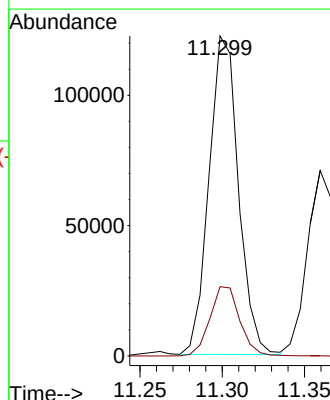
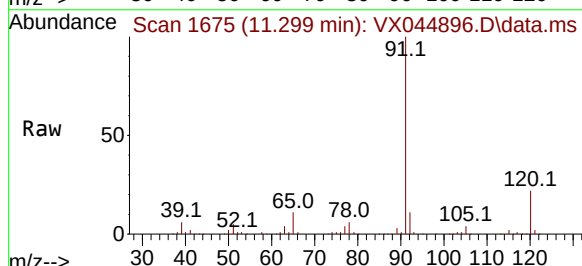
RT: 11.299 min Scan# 1675

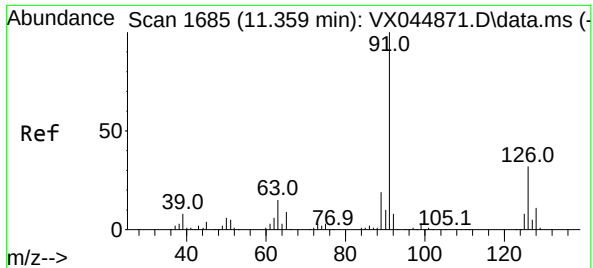
Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Tgt Ion:	91	Resp:	152366
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.3





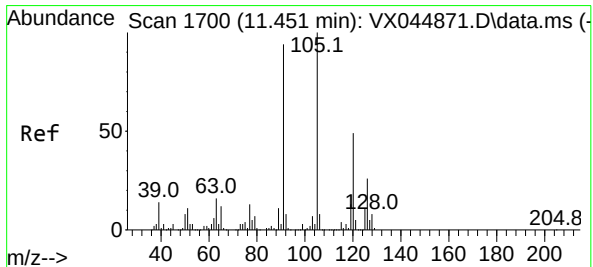
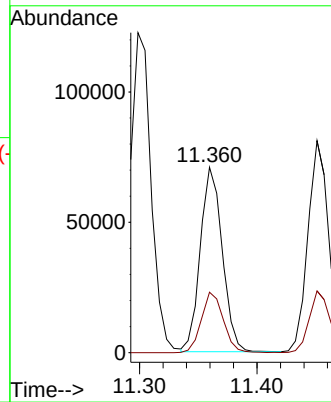
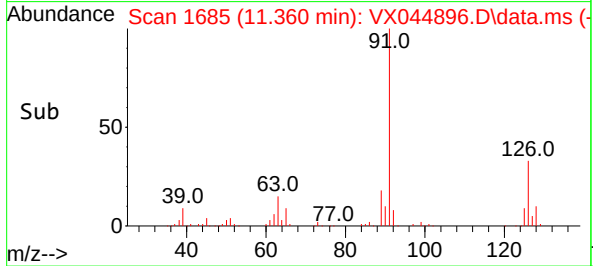
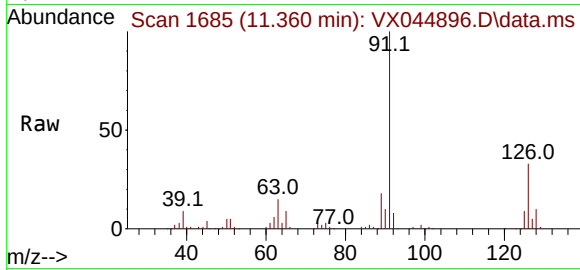
#79
2-Chlorotoluene
Concen: 18.370 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 91 Resp: 92170
Ion Ratio Lower Upper
91 100
126 32.8 16.2 48.6

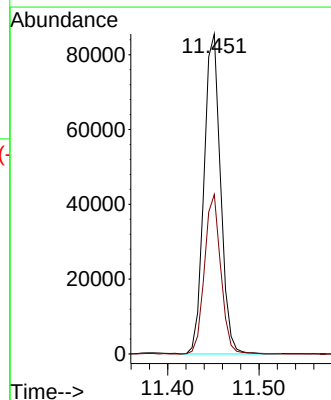
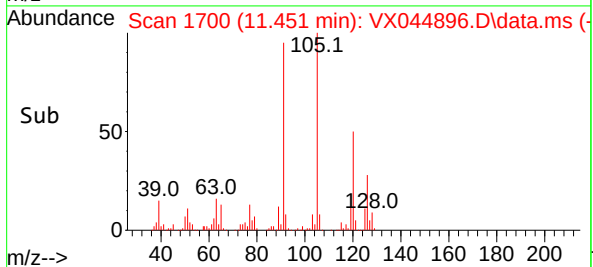
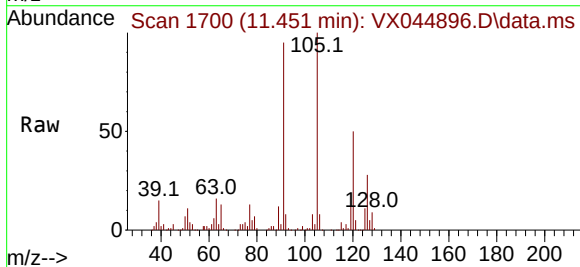
Manual Integrations
APPROVED

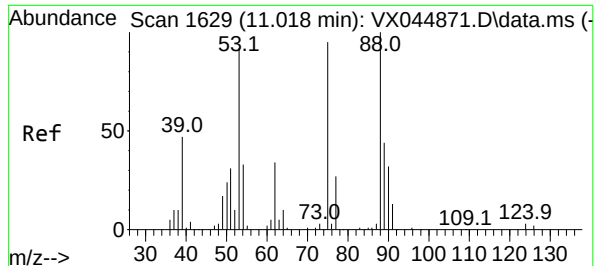
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#80
1,3,5-Trimethylbenzene
Concen: 18.734 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:105 Resp: 107531
Ion Ratio Lower Upper
105 100
120 48.9 24.0 72.0





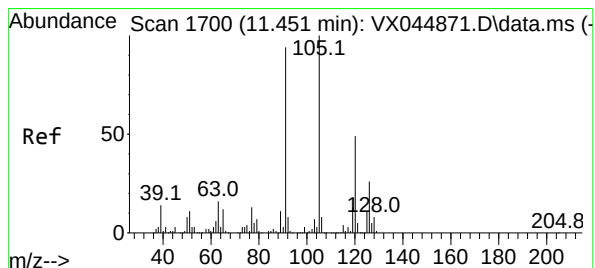
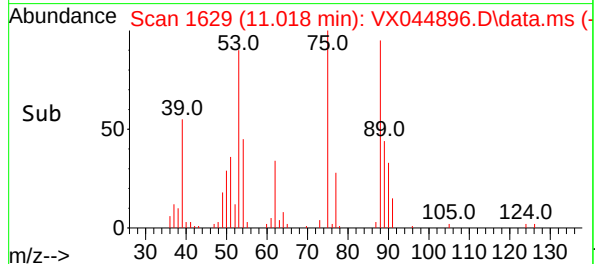
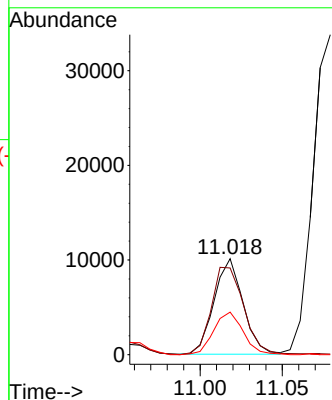
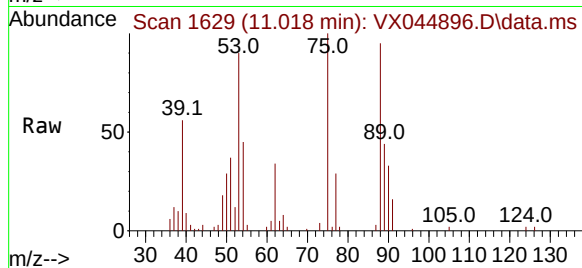
#81
trans-1,4-Dichloro-2-butene
Concen: 16.324 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

Tgt Ion: 75 Resp: 12359
Ion Ratio Lower Upper
75 100
53 103.8 78.0 117.0
89 45.4 36.6 54.8

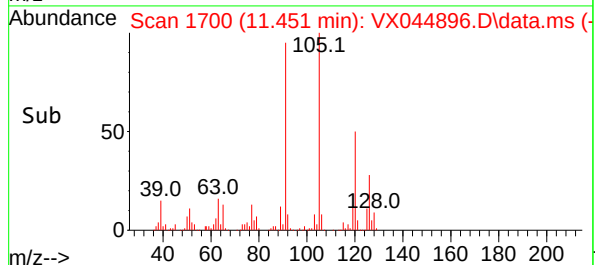
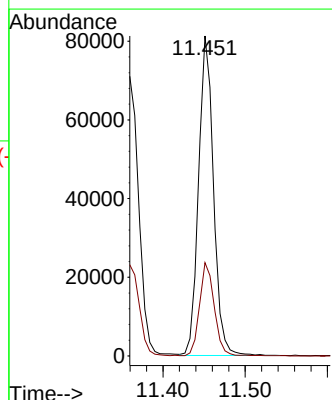
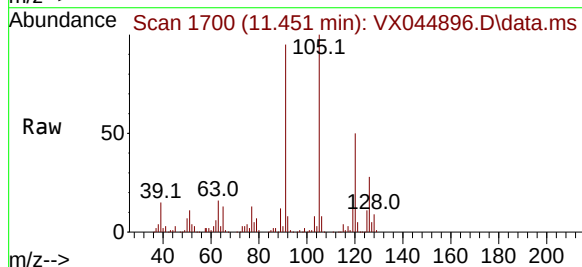
Manual Integrations
APPROVED

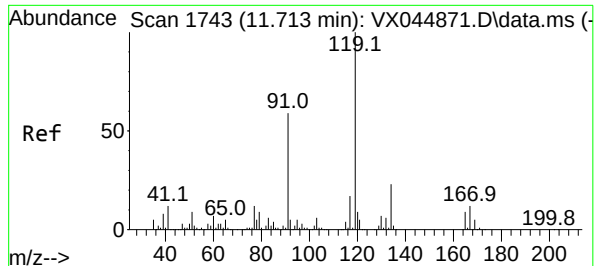
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#82
4-Chlorotoluene
Concen: 18.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

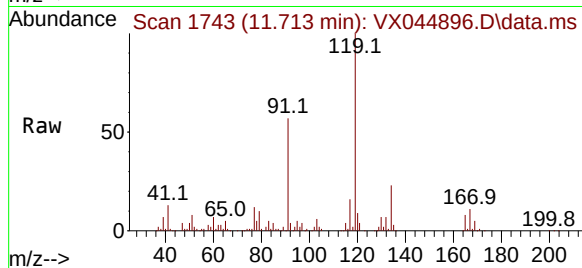
Tgt Ion: 91 Resp: 102495
Ion Ratio Lower Upper
91 100
126 28.6 14.2 42.6





#83
tert-Butylbenzene
Concen: 18.771 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

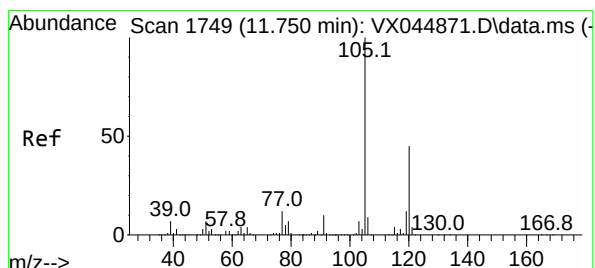
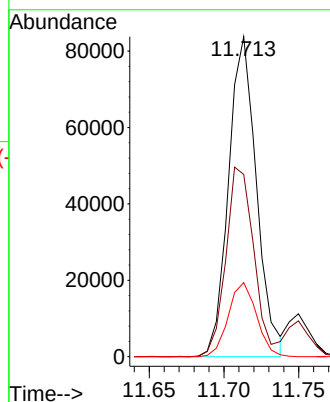
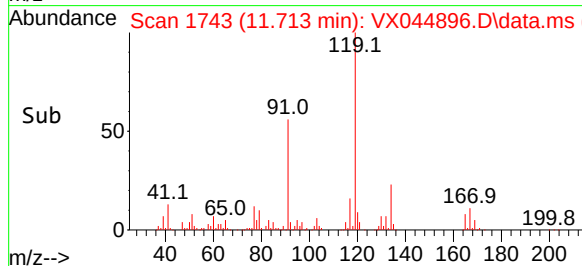
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01



Tgt Ion:119 Resp: 108994
Ion Ratio Lower Upper
119 100
91 58.7 29.1 87.4
134 23.3 11.5 34.5

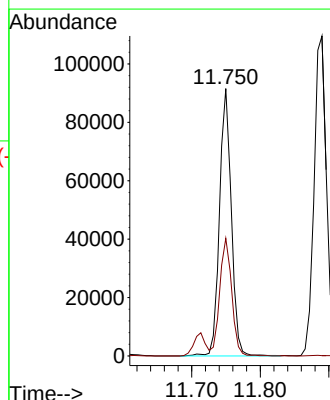
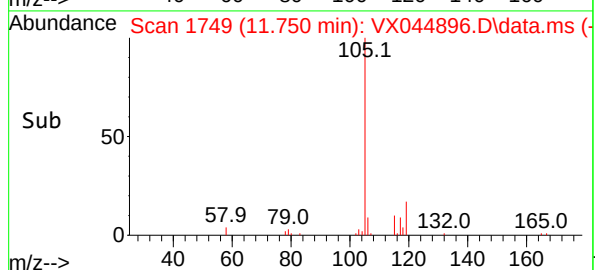
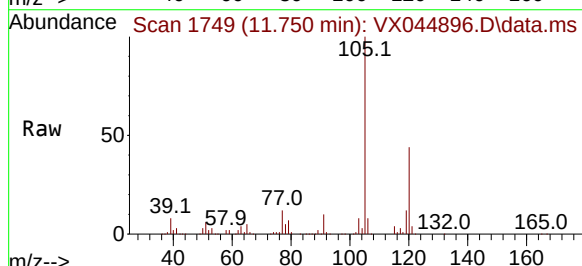
Manual Integrations
APPROVED

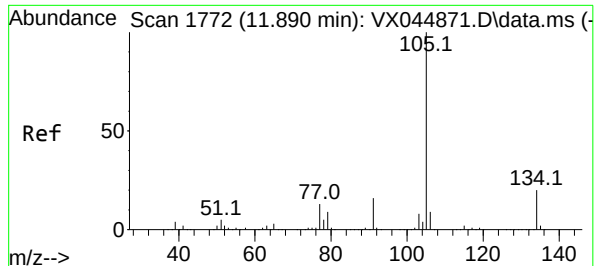
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#84
1,2,4-Trimethylbenzene
Concen: 19.237 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:105 Resp: 108980
Ion Ratio Lower Upper
105 100
120 44.6 22.4 67.0





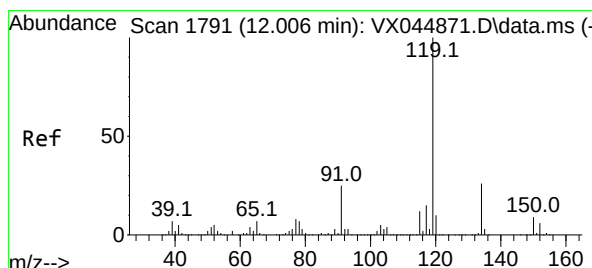
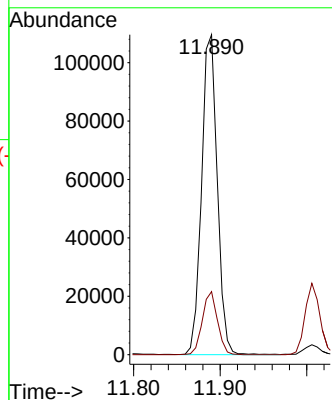
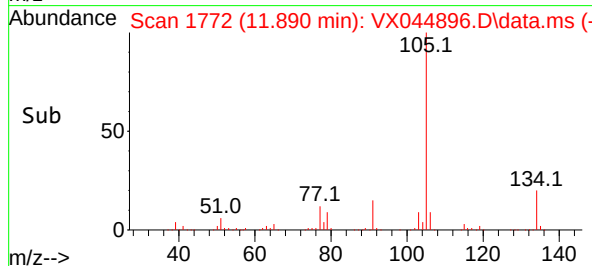
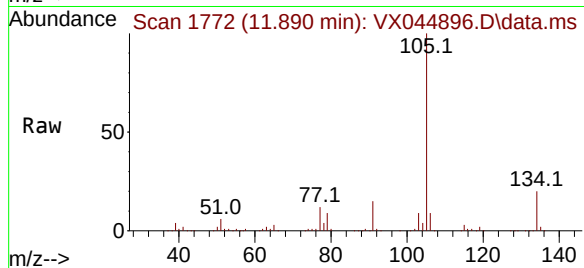
#85
 sec-Butylbenzene
 Concen: 19.157 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044896.D
 Acq: 11 Feb 2025 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBS01

Tgt Ion:105 Resp: 13774
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.8 29.3

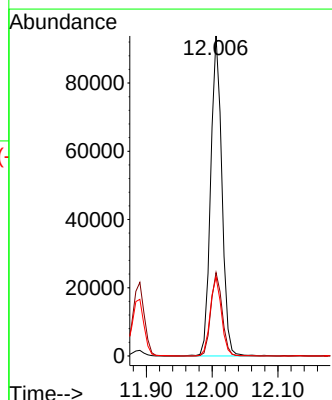
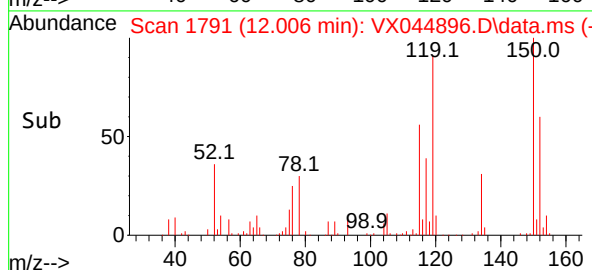
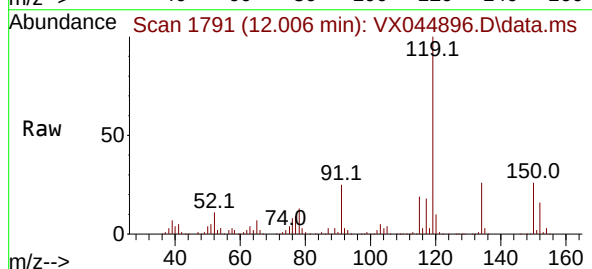
Manual Integrations
 APPROVED

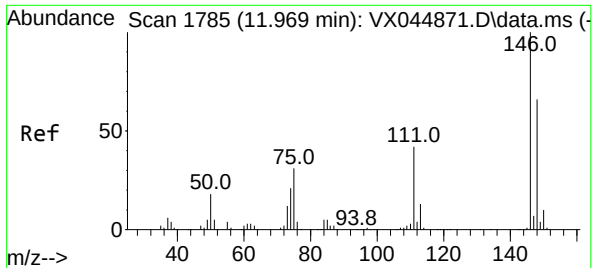
Reviewed By :John Carlone 02/12/2025
 Supervised By :Mahesh Dadoda 02/12/2025



#86
 p-Isopropyltoluene
 Concen: 19.191 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044896.D
 Acq: 11 Feb 2025 11:23

Tgt Ion:119 Resp: 110966
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.0 38.9
 91 24.8 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 19.196 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion:146 Resp: 56608

Ion Ratio Lower Upper

146 100

111 41.6 21.2 63.6

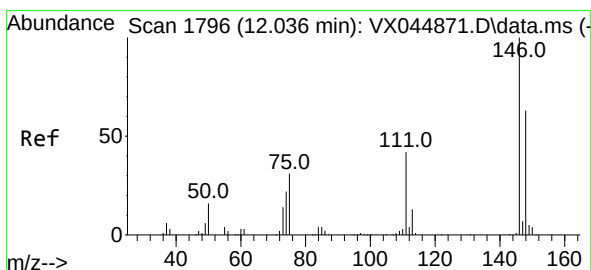
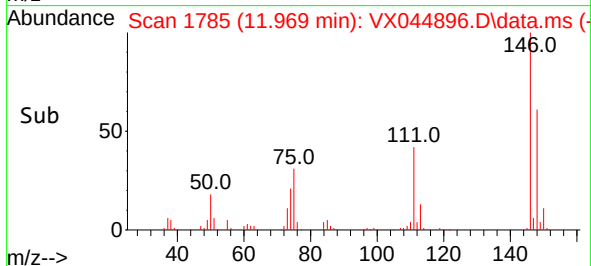
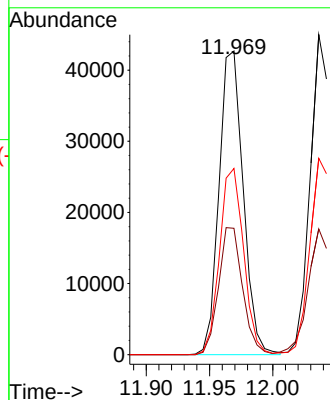
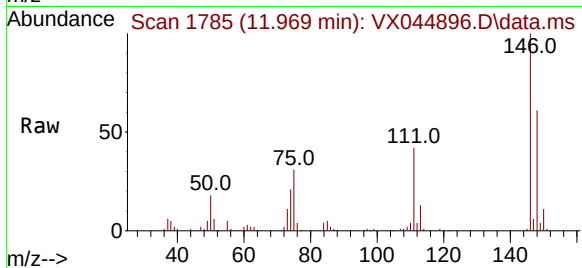
148 61.1 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#88

1,4-Dichlorobenzene

Concen: 18.663 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

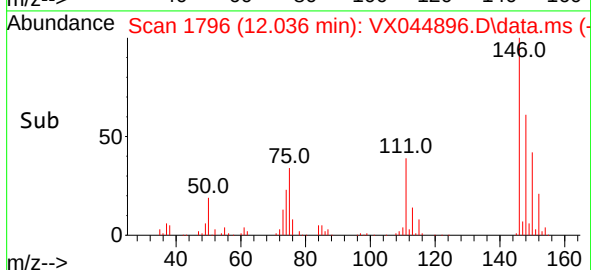
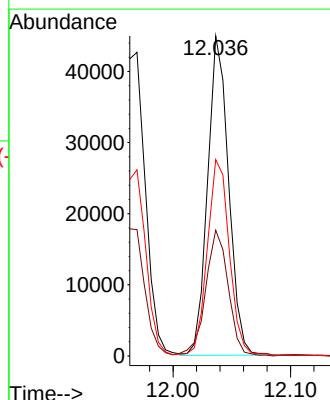
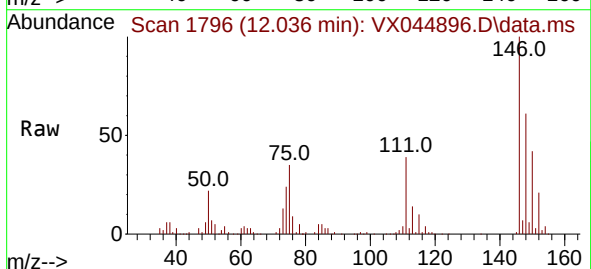
Tgt Ion:146 Resp: 55645

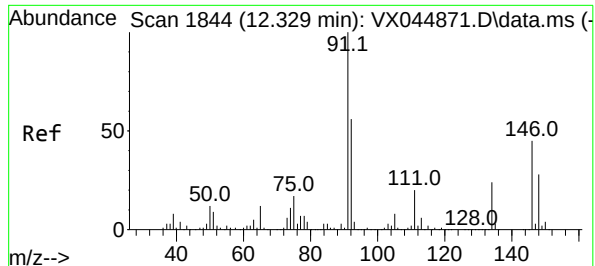
Ion Ratio Lower Upper

146 100

111 42.5 20.4 61.3

148 64.4 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: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 91 Resp: 9804

Ion Ratio Lower Upper

91 100

92 54.8 27.2 81.6

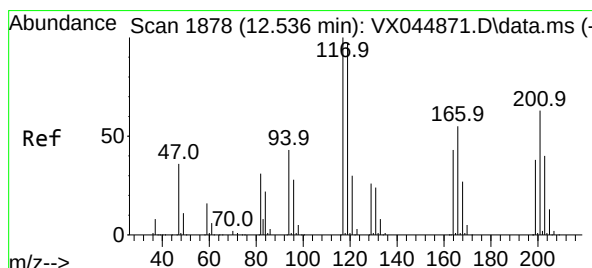
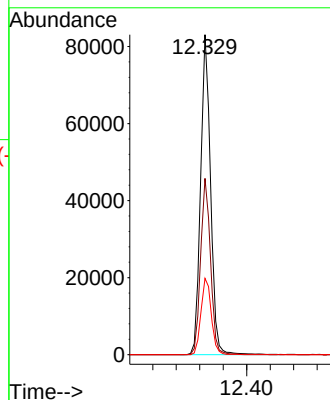
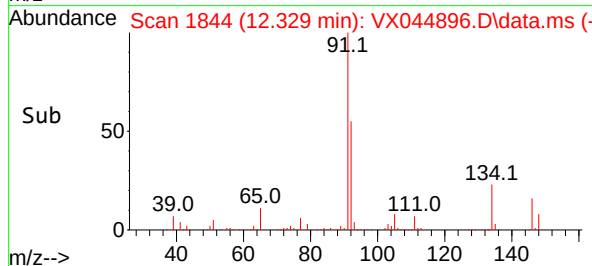
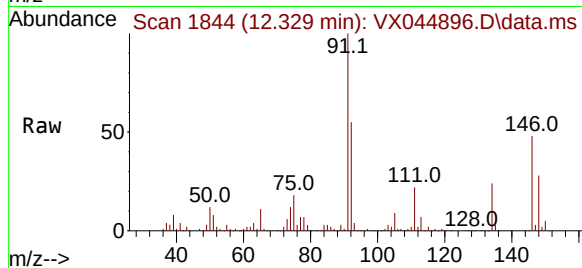
134 24.8 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#90

Hexachloroethane

Concen: 17.833 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044896.D

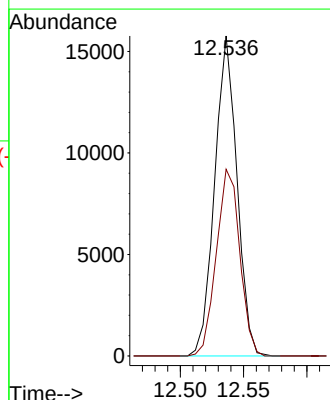
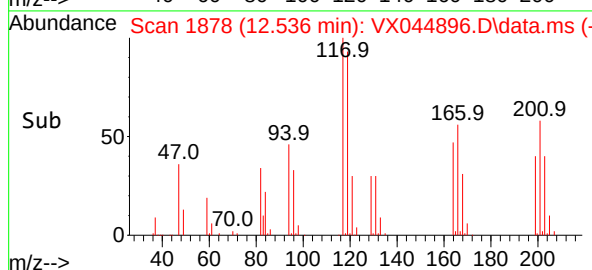
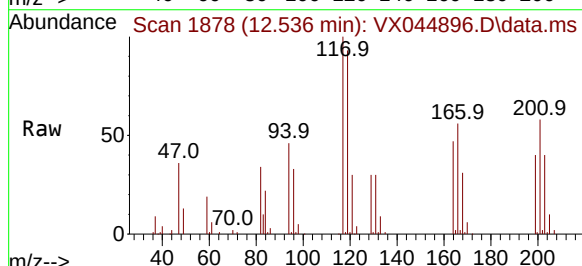
Acq: 11 Feb 2025 11:23

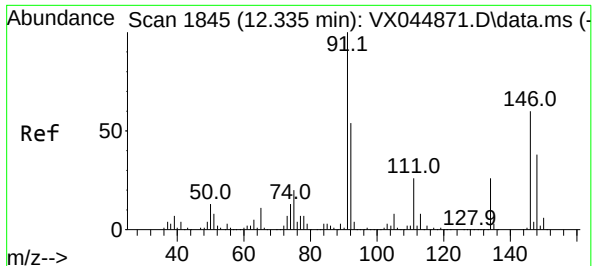
Tgt Ion:117 Resp: 19308

Ion Ratio Lower Upper

117 100

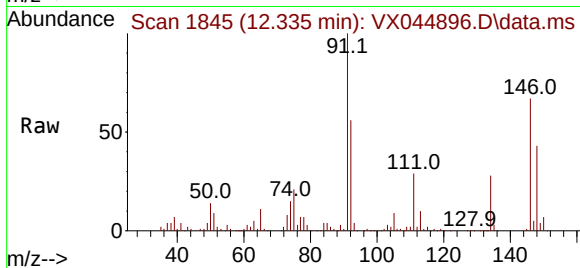
201 61.4 32.5 97.5





#91
1,2-Dichlorobenzene
Concen: 19.369 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

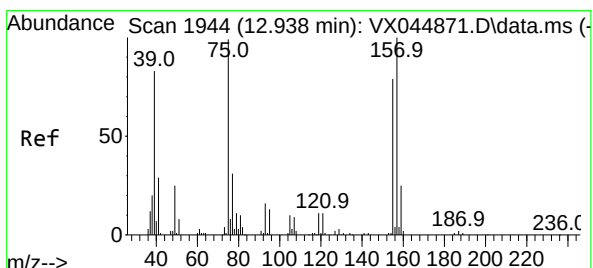
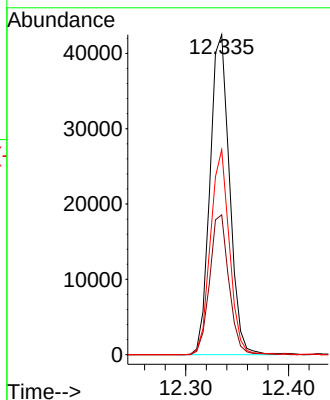
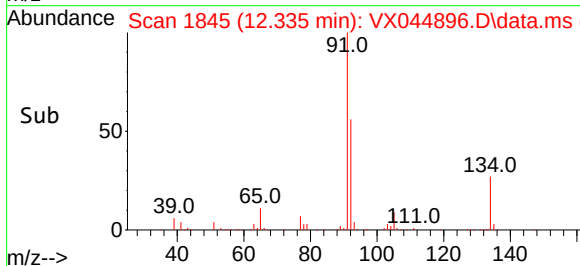
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01



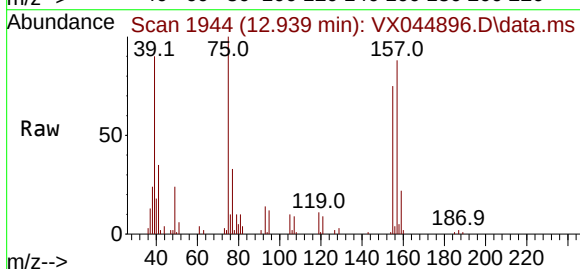
Tgt Ion:146 Resp: 56130
Ion Ratio Lower Upper
146 100
111 43.2 21.8 65.4
148 62.3 31.9 95.9

Manual Integrations
APPROVED

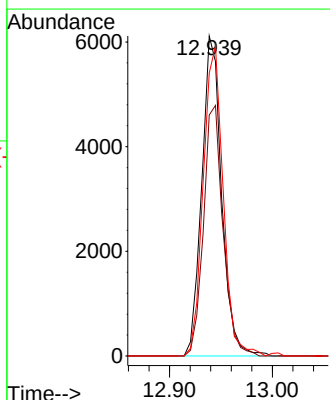
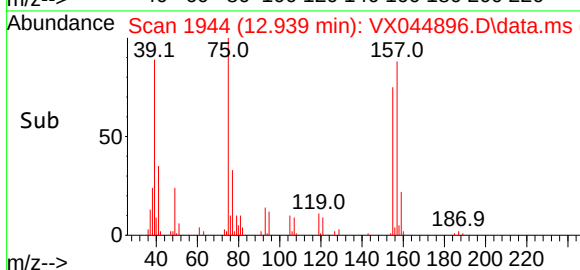
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

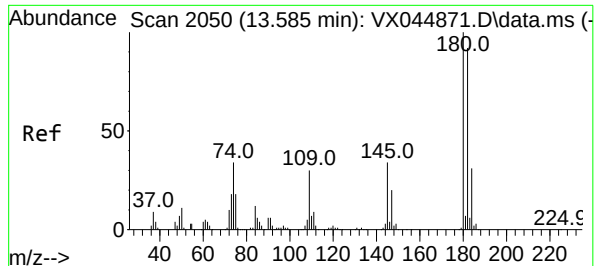


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.540 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23



Tgt Ion: 75 Resp: 8224
Ion Ratio Lower Upper
75 100
155 77.1 40.5 121.4
157 97.0 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 18.475 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

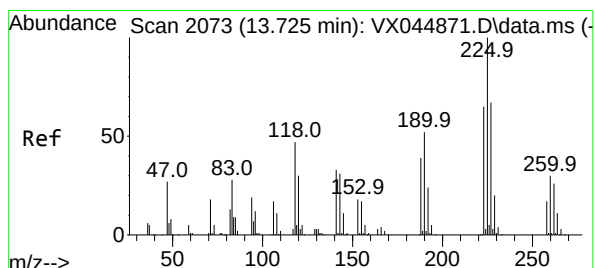
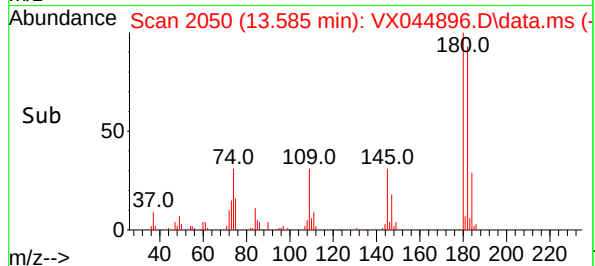
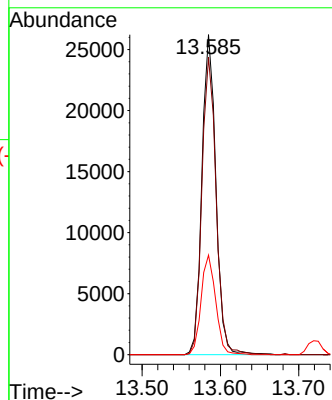
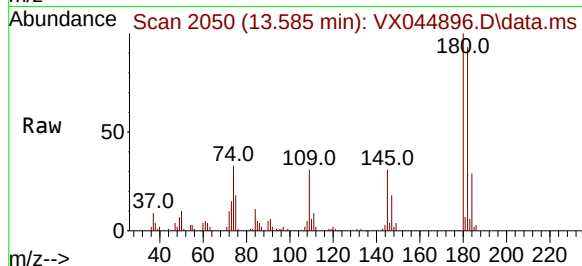
Tgt Ion:	180	Resp:	32400
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.6	142.8
145	32.5	16.4	49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#94

Hexachlorobutadiene

Concen: 19.011 ug/l

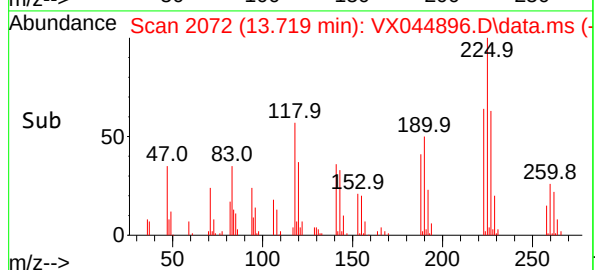
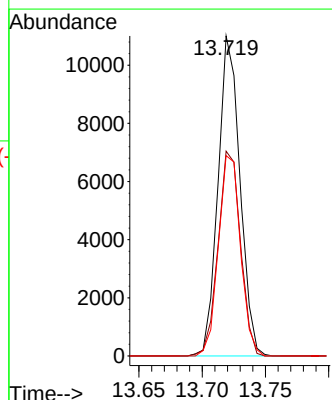
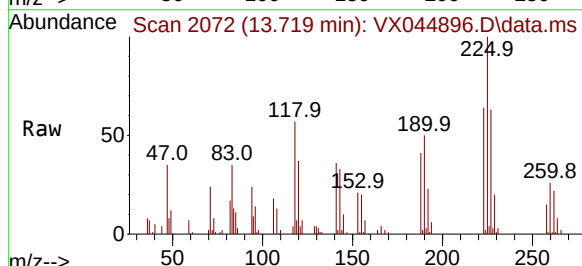
RT: 13.719 min Scan# 2072

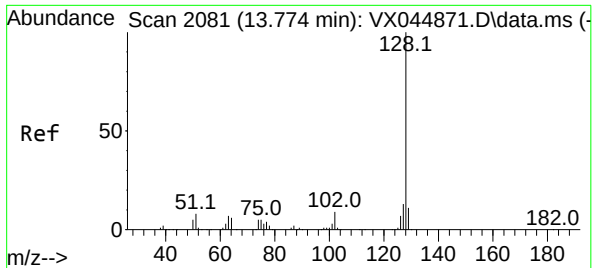
Delta R.T. -0.006 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

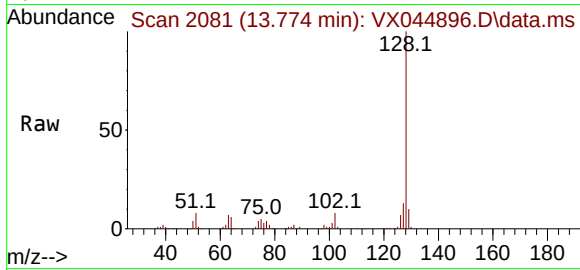
Tgt Ion:	225	Resp:	13235
Ion Ratio	Lower	Upper	
225	100		
223	65.3	31.4	94.2
227	63.0	32.3	96.8





#95
Naphthalene
Concen: 18.432 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

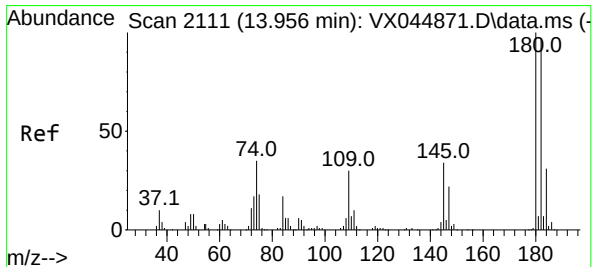
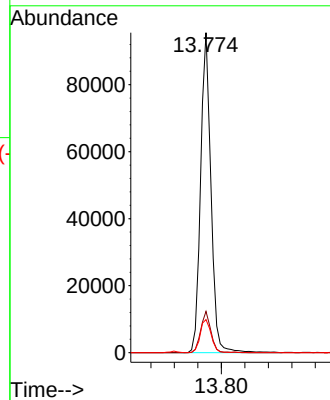
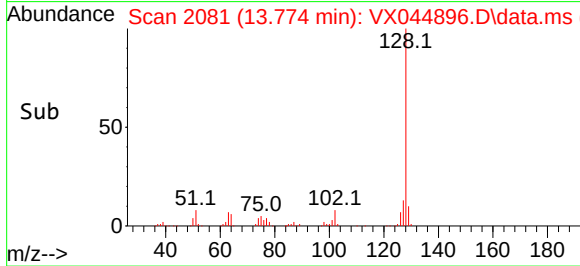
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01



Tgt Ion:128 Resp: 11685
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 11.0 8.9 13.3

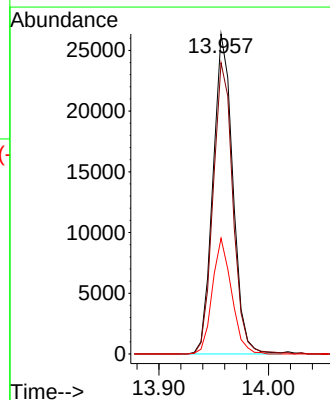
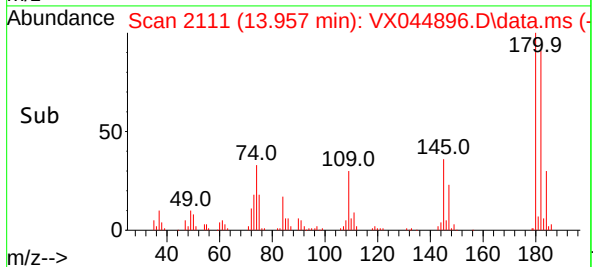
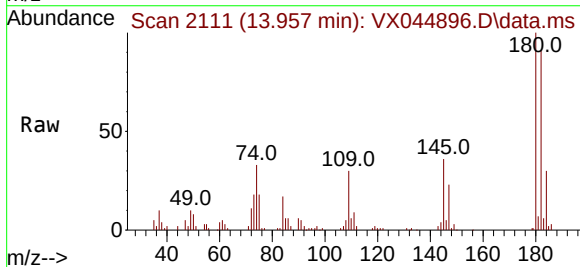
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.792 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:180 Resp: 33208
Ion Ratio Lower Upper
180 100
182 91.0 47.9 143.6
145 34.9 17.1 51.3



Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:		
Project:	CTO WE13			Date Received:		
Client Sample ID:	VX0211WBSD01			SDG No.:	Q1327	
Lab Sample ID:	VX0211WBSD01			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
VX044897.D	1		02/11/25 11:48	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	18.7		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	19.2		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	20.1		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.9		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.3		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.3		0.26	0.75	1.00	ug/L
67-64-1	Acetone	100		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	18.6		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.2		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	19.6		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.7		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	100		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.0		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	19.6		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	20.2		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.2		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.4		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.8		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	2.50	5.00	ug/L
108-88-3	Toluene	20.9		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.0		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.5		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.3		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		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:	VX0211WBSD01			SDG No.:	Q1327
Lab Sample ID:	VX0211WBSD01			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
VX044897.D	1		02/11/25 11:48	VX021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	21.0		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.3		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.5		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	41.7		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.5		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.9		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	20.4		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.5		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.4		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.1		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.0		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.8		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.4		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	49.0		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	116000	5.538				
540-36-3	1,4-Difluorobenzene	211000	6.757				
3114-55-4	Chlorobenzene-d5	186000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	83600	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\VX021125\
 Data File : VX044897.D
 Acq On : 11 Feb 2025 11:48
 Operator : JC/MD
 Sample : VX0211WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/12/2025
 Supervised By : Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 02:38:59 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	5.538	168	116406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	211404	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	186335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	83644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84156	49.388	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.780%		
35) Dibromofluoromethane	5.379	113	67081	48.805	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.600%		
50) Toluene-d8	8.641	98	254774	49.019	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.040%		
62) 4-Bromofluorobenzene	11.079	95	86989	49.646	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	31601	19.356	ug/l	98
3) Chloromethane	1.301	50	37119	18.680	ug/l	97
4) Vinyl Chloride	1.374	62	36957	19.198	ug/l	96
5) Bromomethane	1.593	94	11587	20.114	ug/l	99
6) Chloroethane	1.666	64	15397	18.945	ug/l	97
7) Trichlorofluoromethane	1.874	101	47412	19.475	ug/l	99
8) Diethyl Ether	2.130	74	18158	20.567	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	29801	20.261	ug/l	99
10) Methyl Iodide	2.441	142	38410	20.149	ug/l	99
11) Tert butyl alcohol	2.983	59	32829	103.851	ug/l	98
12) 1,1-Dichloroethene	2.313	96	29002	19.330	ug/l	98
13) Acrolein	2.233	56	31603	96.897	ug/l	98
14) Allyl chloride	2.654	41	51780	19.096	ug/l	96
15) Acrylonitrile	3.062	53	86862	102.915	ug/l	99
16) Acetone	2.380	43	68752	100.366	ug/l	98
17) Carbon Disulfide	2.502	76	76655	18.631	ug/l	97
18) Methyl Acetate	2.703	43	44373	20.527	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	96651	20.246	ug/l	99
20) Methylene Chloride	2.782	84	32877	19.594	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	29055	19.676	ug/l	93
22) Diisopropyl ether	3.757	45	105816	20.627	ug/l	93
23) Vinyl Acetate	3.715	43	433511	103.656	ug/l	97
24) 1,1-Dichloroethane	3.599	63	56359	19.635	ug/l	97
25) 2-Butanone	4.556	43	115645	103.966	ug/l	97
26) 2,2-Dichloropropane	4.465	77	44593	19.590	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	35548	20.041	ug/l	98
28) Bromochloromethane	4.891	49	25541	18.515	ug/l	98
29) Tetrahydrofuran	5.001	42	75125	101.711	ug/l	98
30) Chloroform	5.086	83	54727	19.660	ug/l	97
31) Cyclohexane	5.458	56	52843	19.969	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	46336	19.624	ug/l	98
36) 1,1-Dichloropropene	5.690	75	38126	19.226	ug/l	100
37) Ethyl Acetate	4.708	43	42191	19.128	ug/l	98
38) Carbon Tetrachloride	5.666	117	38835	19.985	ug/l	96
39) Methylcyclohexane	7.373	83	53434	20.842	ug/l	97
40) Benzene	6.031	78	125170	20.215	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044897.D
 Acq On : 11 Feb 2025 11:48
 Operator : JC/MD
 Sample : VX0211WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/12/2025
 Supervised By : Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 02:38:59 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	24902	21.092	ug/l	98
42) 1,2-Dichloroethane	6.080	62	41830	21.196	ug/l	99
43) Isopropyl Acetate	6.336	43	73633	20.673	ug/l	99
44) Trichloroethene	7.117	130	27907	19.717	ug/l	96
45) 1,2-Dichloropropane	7.428	63	31362	20.358	ug/l	97
46) Dibromomethane	7.580	93	21730	20.340	ug/l	97
47) Bromodichloromethane	7.818	83	42998	20.786	ug/l	98
48) Methyl methacrylate	7.690	41	34888	20.774	ug/l	98
49) 1,4-Dioxane	7.665	88	14679	407.387	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	233883	108.010	ug/l	97
52) Toluene	8.714	92	76922	20.859	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	41931	20.031	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	47877	20.513	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	30181	21.290	ug/l	95
56) Ethyl methacrylate	9.116	69	47561	20.773	ug/l	99
57) 1,3-Dichloropropane	9.305	76	51672	20.832	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	108500	96.512	ug/l	99
59) 2-Hexanone	9.427	43	168110	107.751	ug/l	99
60) Dibromochloromethane	9.519	129	31801	20.976	ug/l	99
61) 1,2-Dibromoethane	9.604	107	30172	20.999	ug/l	98
64) Tetrachloroethene	9.269	164	23477	19.978	ug/l	97
65) Chlorobenzene	10.073	112	81300	20.314	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	25959	20.152	ug/l	97
67) Ethyl Benzene	10.189	91	144888	20.515	ug/l	100
68) m/p-Xylenes	10.299	106	108740	41.738	ug/l	99
69) o-Xylene	10.640	106	53496	20.464	ug/l	98
70) Styrene	10.653	104	88009	20.896	ug/l	99
71) Bromoform	10.799	173	19571	20.357	ug/l #	100
73) Isopropylbenzene	10.957	105	137984	20.488	ug/l	99
74) N-amyl acetate	10.842	43	63313	20.774	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	47168	20.381	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	37404m	20.169	ug/l	
77) Bromobenzene	11.195	156	31462	20.605	ug/l	96
78) n-propylbenzene	11.299	91	157806	20.300	ug/l	99
79) 2-Chlorotoluene	11.360	91	96410	20.179	ug/l	98
80) 1,3,5-Trimethylbenzene	11.445	105	113664	20.797	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	13230	18.351	ug/l	94
82) 4-Chlorotoluene	11.451	91	107461	20.331	ug/l	100
83) tert-Butylbenzene	11.713	119	113453	20.520	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	113257	20.996	ug/l	99
85) sec-Butylbenzene	11.884	105	141678	20.693	ug/l	100
86) p-Isopropyltoluene	12.006	119	115883	21.047	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	56403	20.087	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	56774	19.998	ug/l	99
89) n-Butylbenzene	12.329	91	101189	20.774	ug/l	99
90) Hexachloroethane	12.536	117	20215	19.608	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	57355	20.783	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8432	19.963	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	33252	19.913	ug/l	98
94) Hexachlorobutadiene	13.719	225	13375	20.176	ug/l	99
95) Naphthalene	13.774	128	122681	20.324	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	33862	20.124	ug/l	99

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Data File : VX044897.D
Acq On : 11 Feb 2025 11:48
Operator : JC/MD
Sample : VX0211WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 02:38:59 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

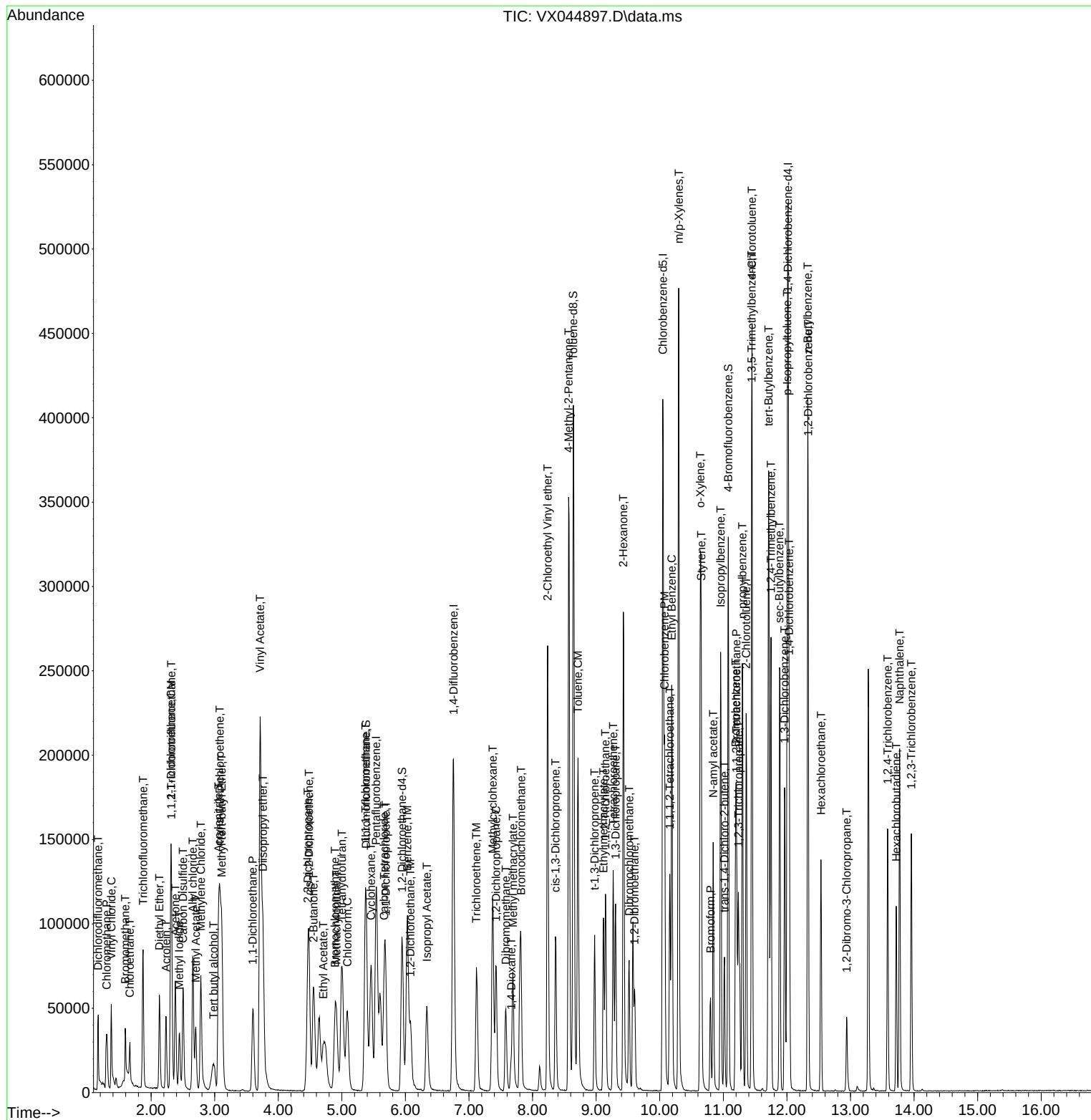
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Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 6      Sample Multiplier: 1
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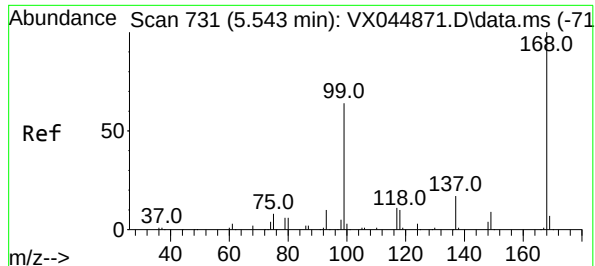
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

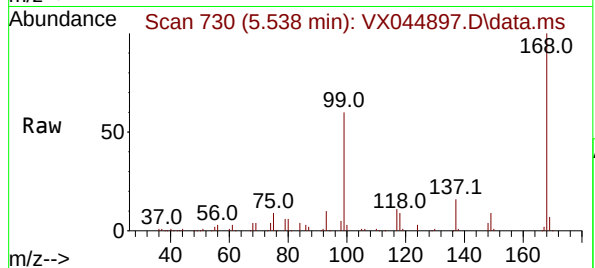
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Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.005 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

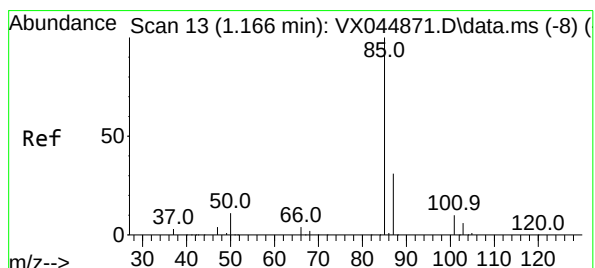
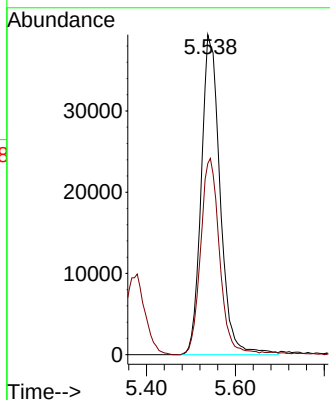
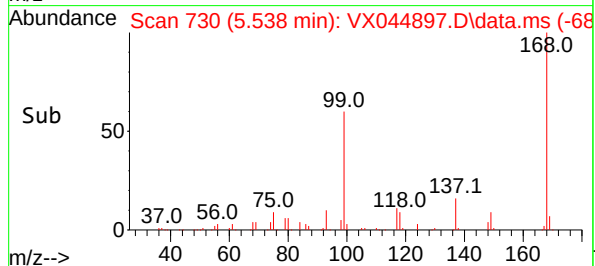
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01



Tgt Ion:168 Resp: 116400
Ion Ratio Lower Upper
168 100
99 59.7 51.2 76.8

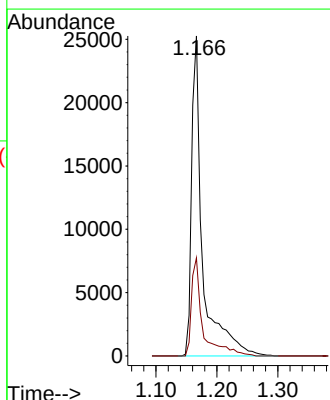
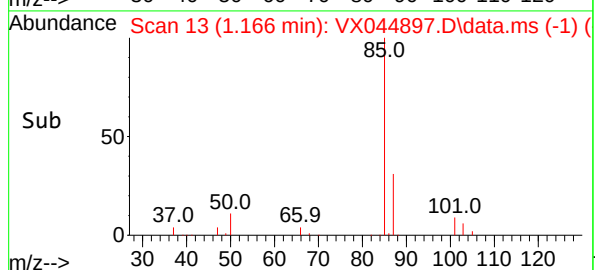
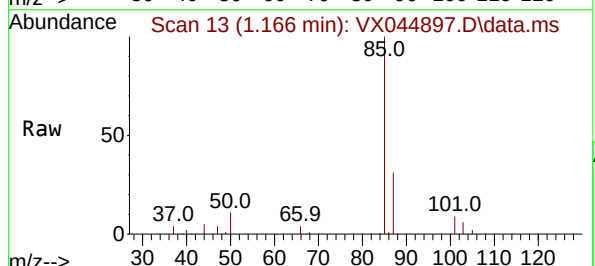
Manual Integrations
APPROVED

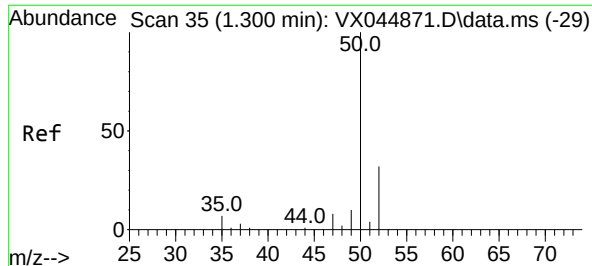
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#2
Dichlorodifluoromethane
Concen: 19.356 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 85 Resp: 31601
Ion Ratio Lower Upper
85 100
87 30.6 15.8 47.3





#3

Chloromethane

Concen: 18.680 ug/l

RT: 1.301 min Scan# 35

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 50 Resp: 37119

Ion Ratio Lower Upper

50 100

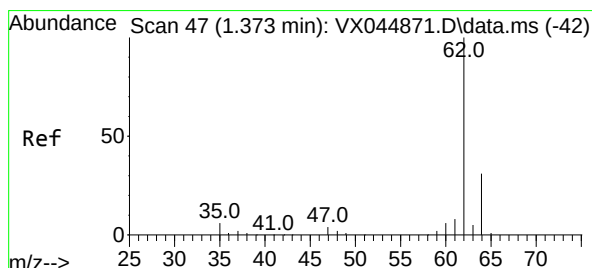
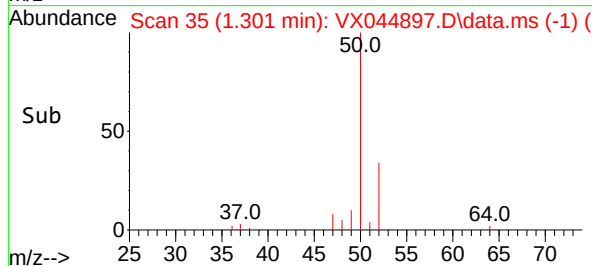
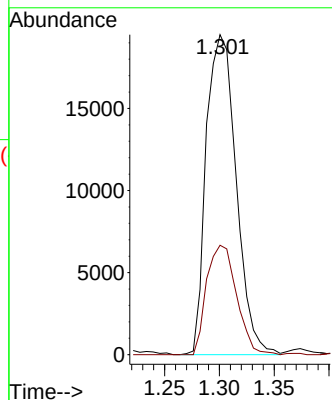
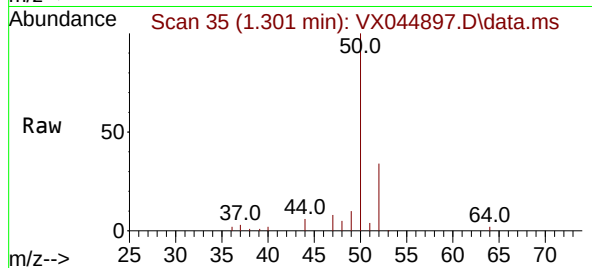
52 34.2 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#4

Vinyl Chloride

Concen: 19.198 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX044897.D

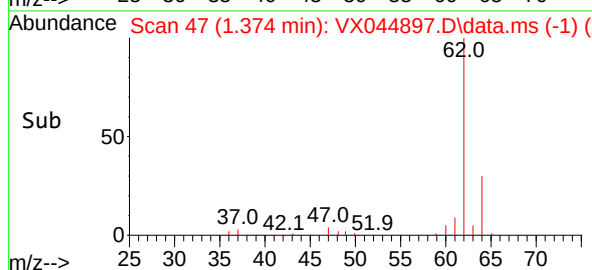
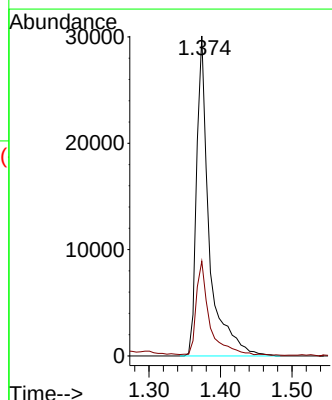
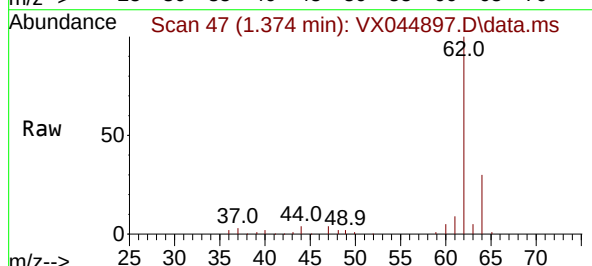
Acq: 11 Feb 2025 11:48

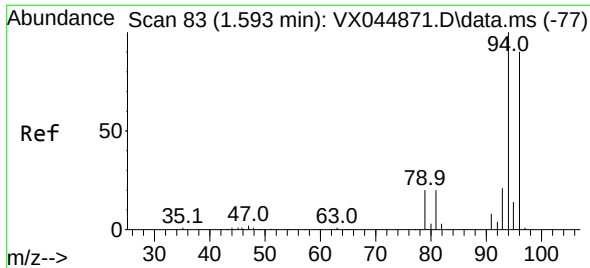
Tgt Ion: 62 Resp: 36957

Ion Ratio Lower Upper

62 100

64 29.4 25.4 38.0





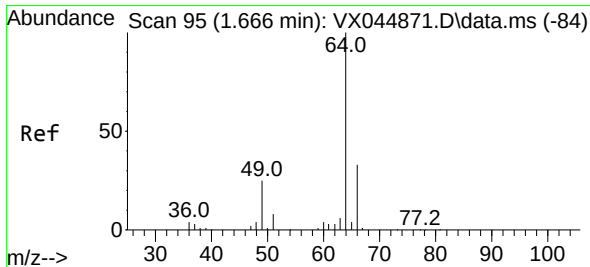
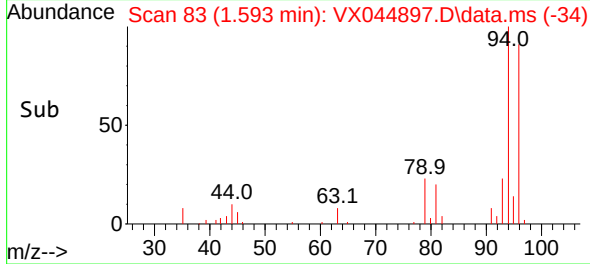
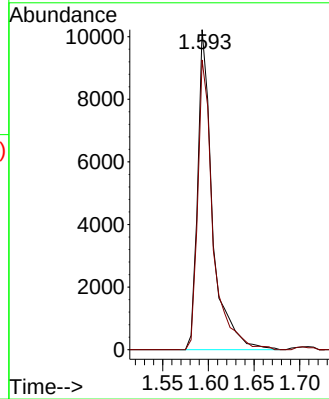
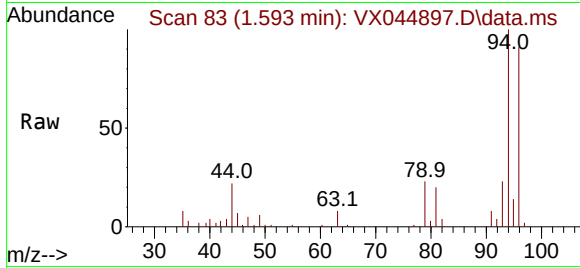
#5
Bromomethane
Concen: 20.114 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 94 Resp: 1158
Ion Ratio Lower Upper
94 100
96 90.6 71.6 107.4

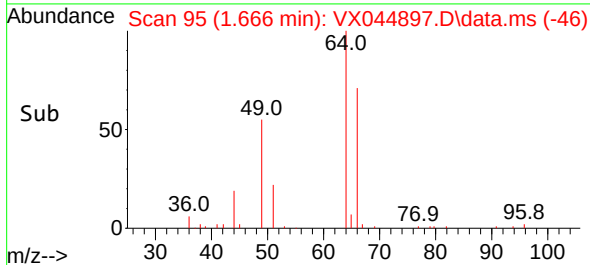
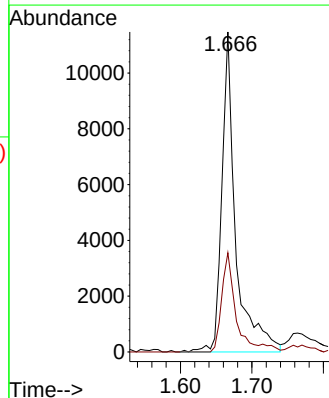
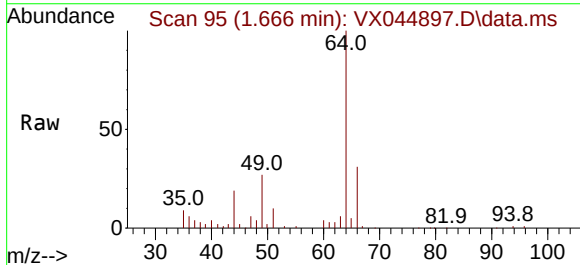
Manual Integrations
APPROVED

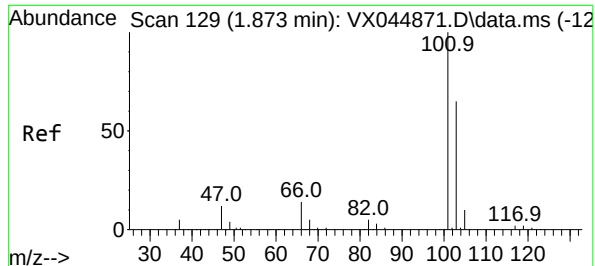
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#6
Chloroethane
Concen: 18.945 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

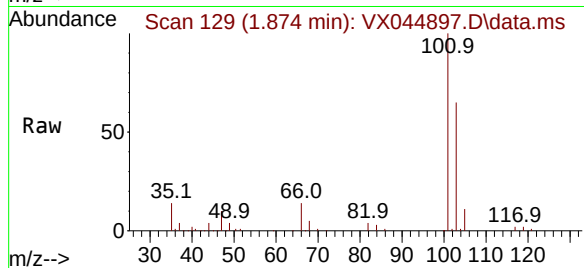
Tgt Ion: 64 Resp: 15397
Ion Ratio Lower Upper
64 100
66 31.0 25.9 38.9





#7
Trichlorofluoromethane
Concen: 19.475 ug/l
RT: 1.874 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

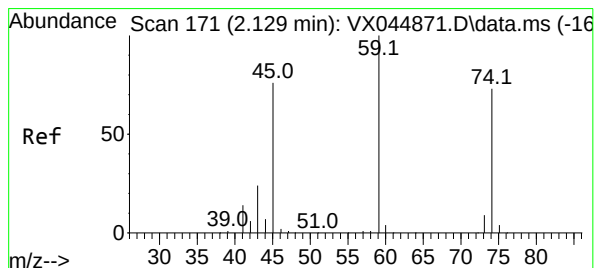
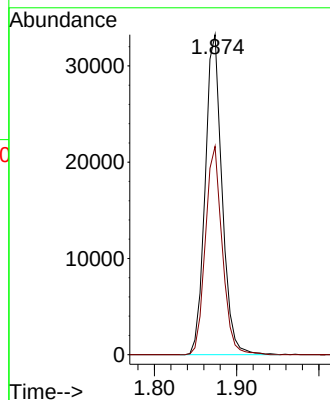
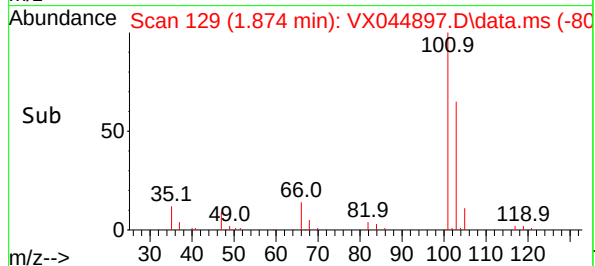
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01



Tgt Ion:101 Resp: 4741
Ion Ratio Lower Upper
101 100
103 65.1 52.4 78.6

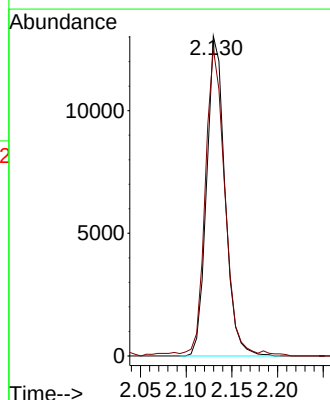
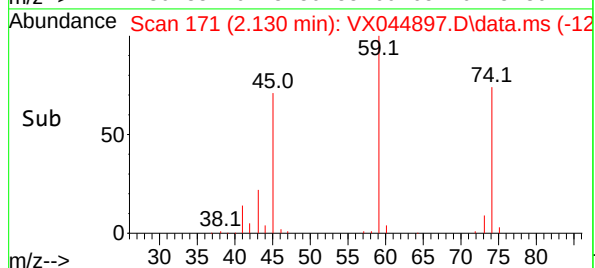
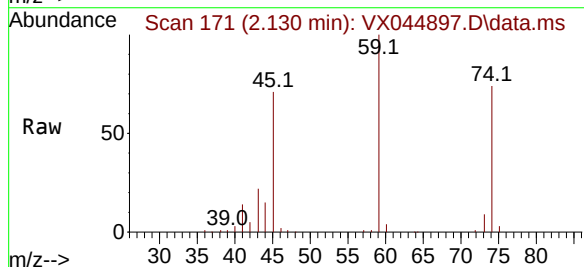
Manual Integrations
APPROVED

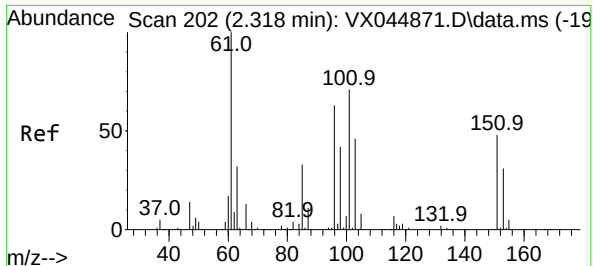
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#8
Diethyl Ether
Concen: 20.567 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 74 Resp: 18158
Ion Ratio Lower Upper
74 100
45 104.6 51.1 153.4





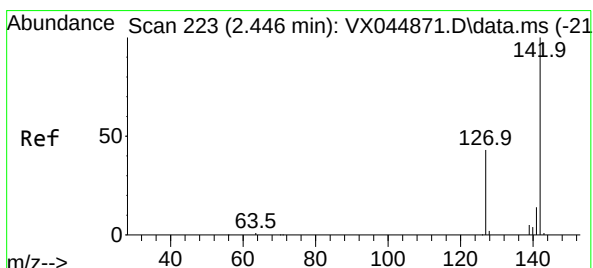
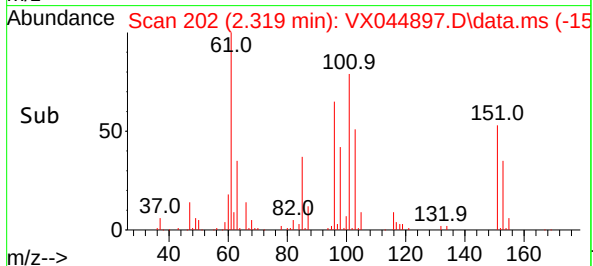
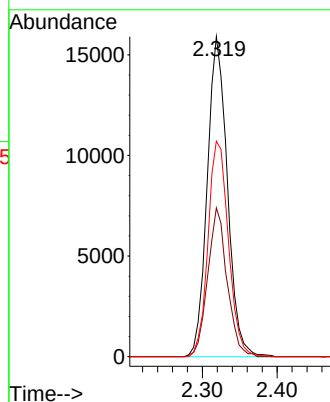
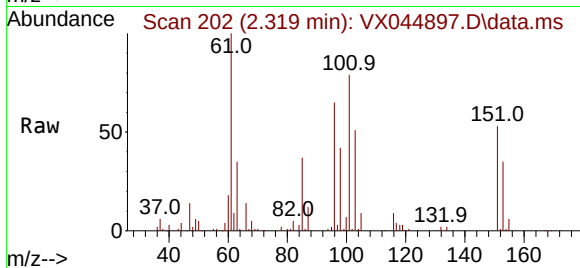
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.261 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:101 Resp: 2980
Ion Ratio Lower Upper
101 100
85 44.7 35.7 53.5
151 68.4 56.0 84.0

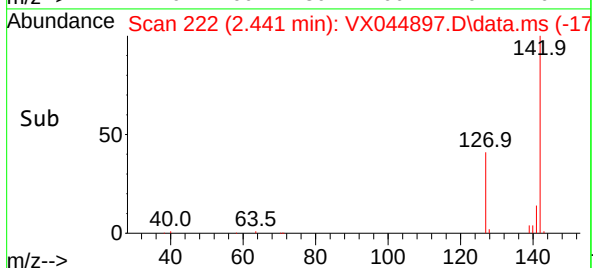
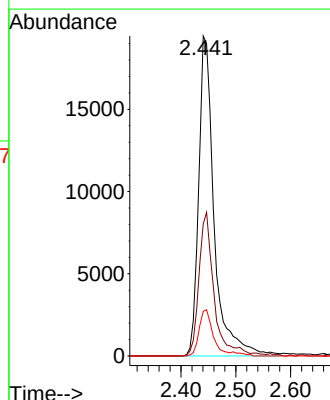
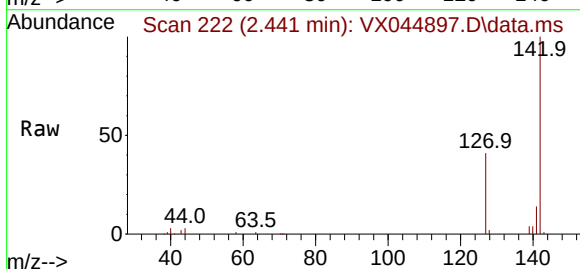
Manual Integrations
APPROVED

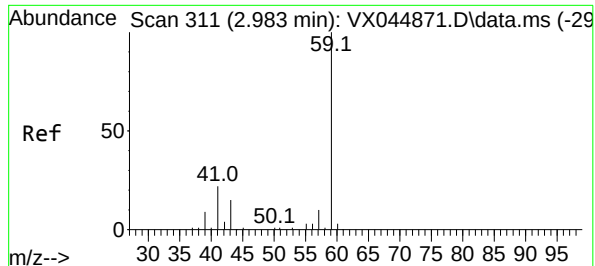
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#10
Methyl Iodide
Concen: 20.149 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:142 Resp: 38410
Ion Ratio Lower Upper
142 100
127 43.8 34.3 51.5
141 13.7 11.4 17.2





#11

Tert butyl alcohol

Concen: 103.851 ug/l

RT: 2.983 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 59 Resp: 32829

Ion Ratio Lower Upper

59 100

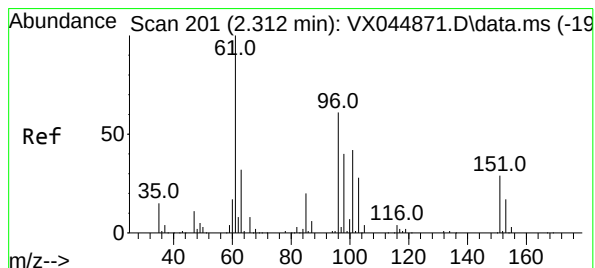
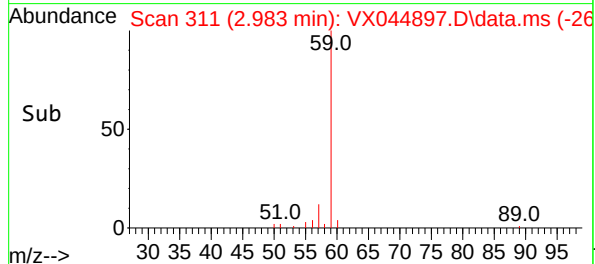
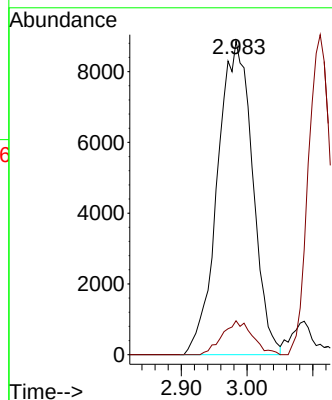
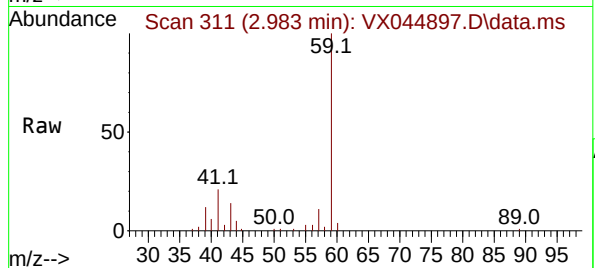
57 9.3 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#12

1,1-Dichloroethene

Concen: 19.330 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

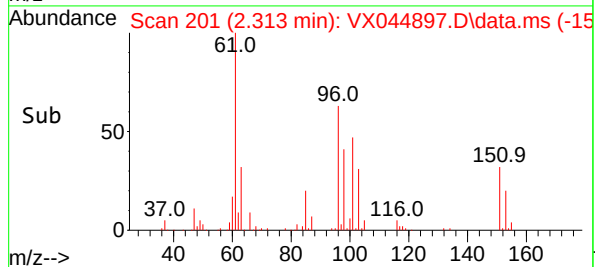
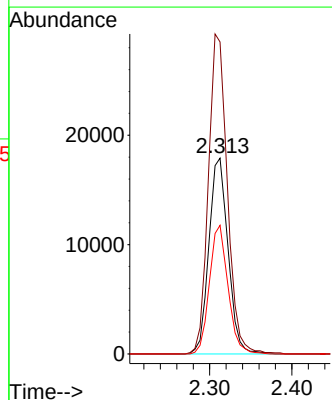
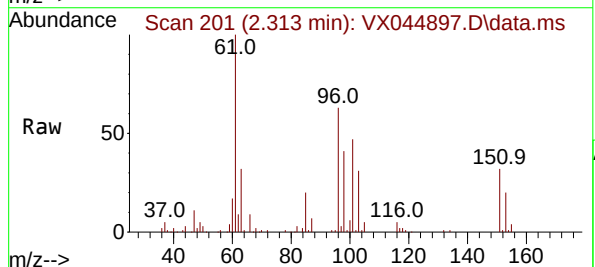
Tgt Ion: 96 Resp: 29002

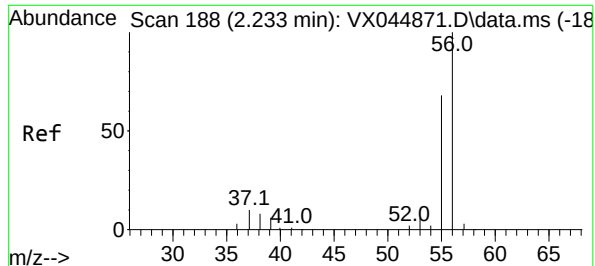
Ion Ratio Lower Upper

96 100

61 159.4 130.2 195.4

98 65.7 52.2 78.4





#13

Acrolein

Concen: 96.897 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 56 Resp: 3160

Ion Ratio Lower Upper

56 100

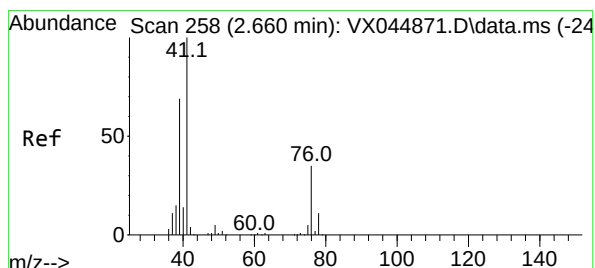
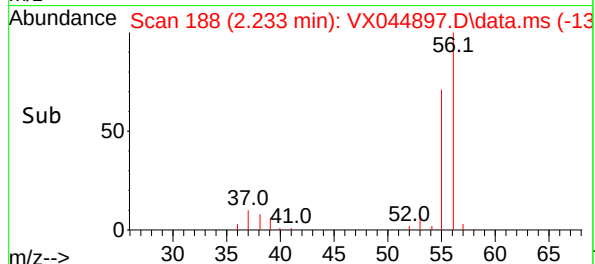
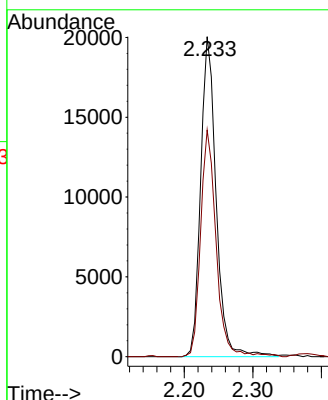
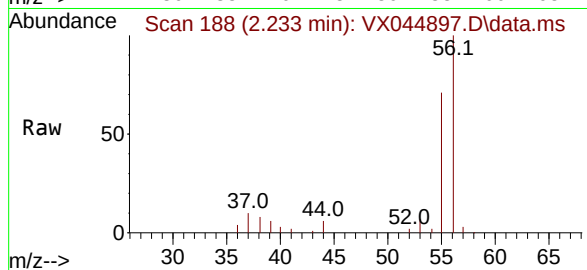
55 71.0 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#14

Allyl chloride

Concen: 19.096 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

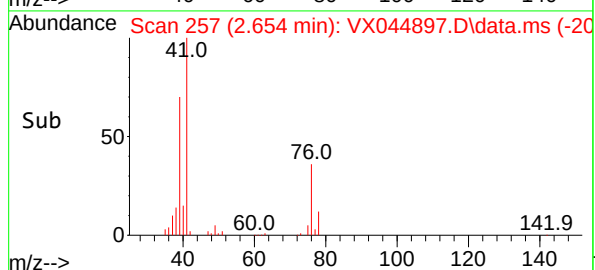
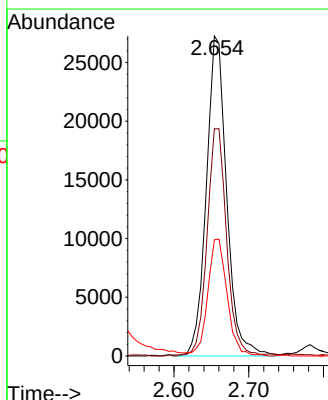
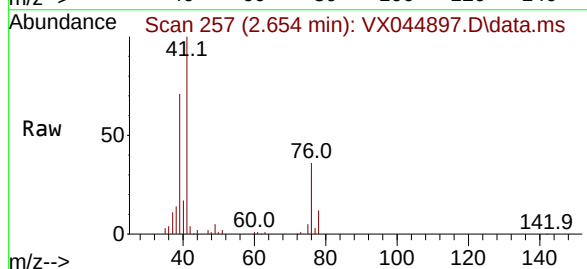
Tgt Ion: 41 Resp: 51780

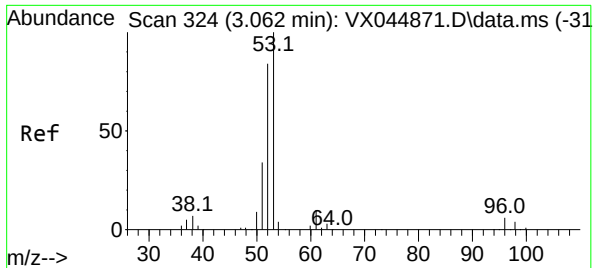
Ion Ratio Lower Upper

41 100

39 68.2 51.4 77.2

76 34.8 27.0 40.4





#15

Acrylonitrile

Concen: 102.915 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 53 Resp: 86862

Ion Ratio Lower Upper

53 100

52 82.3 65.0 97.6

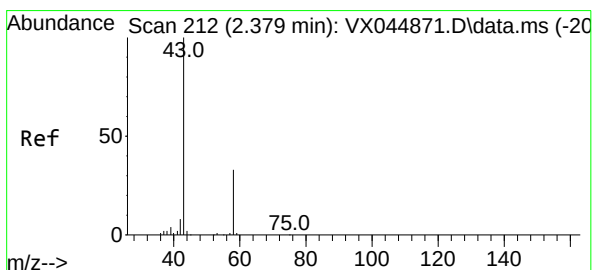
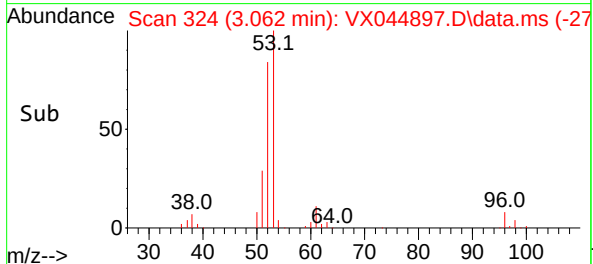
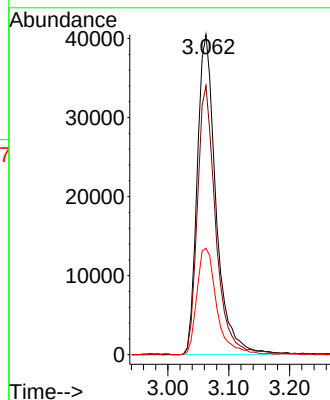
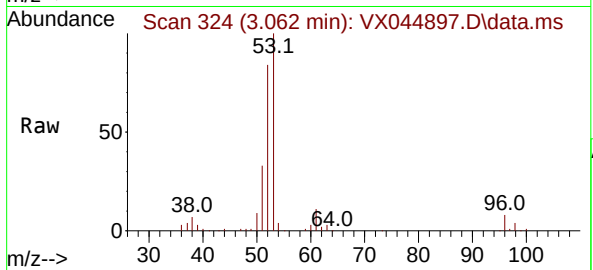
51 35.3 28.0 42.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#16

Acetone

Concen: 100.366 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX044897.D

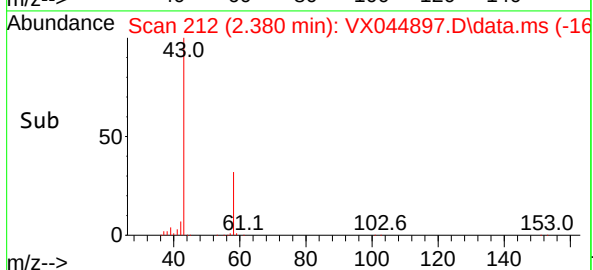
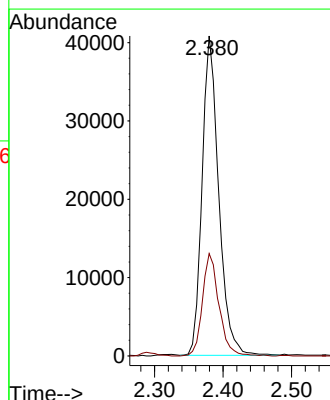
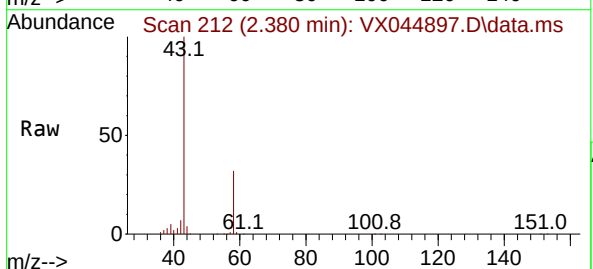
Acq: 11 Feb 2025 11:48

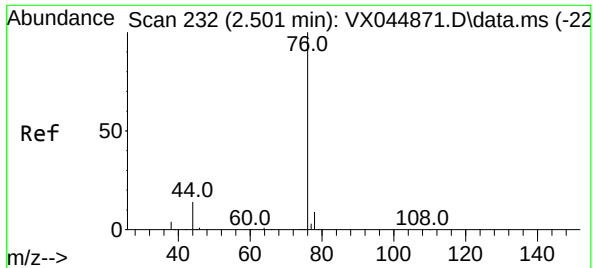
Tgt Ion: 43 Resp: 68752

Ion Ratio Lower Upper

43 100

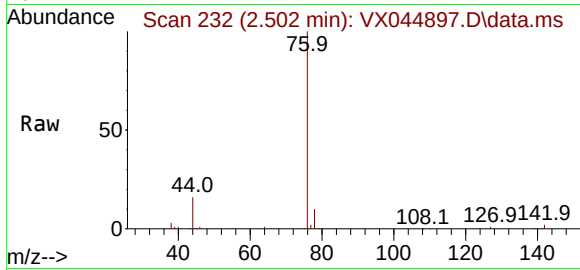
58 32.1 26.5 39.7





#17
Carbon Disulfide
Concen: 18.631 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

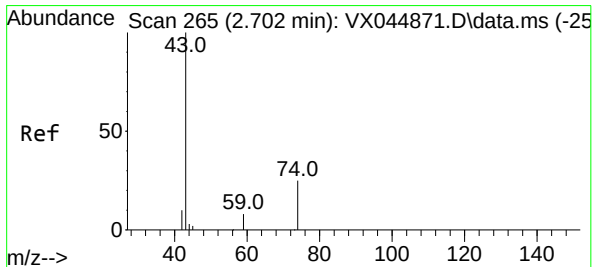
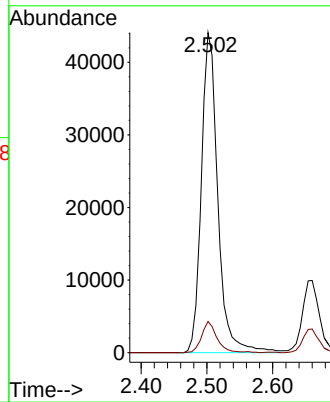
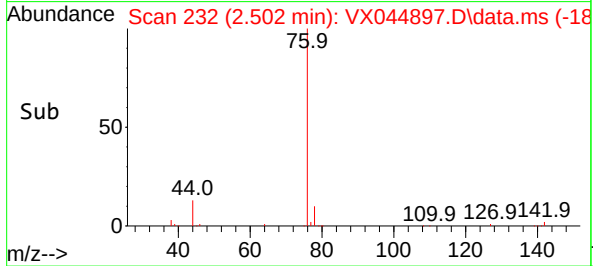
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01



Tgt Ion: 76 Resp: 7665
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.4

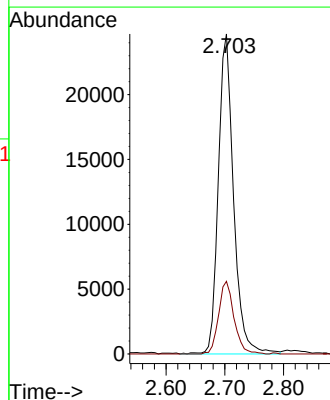
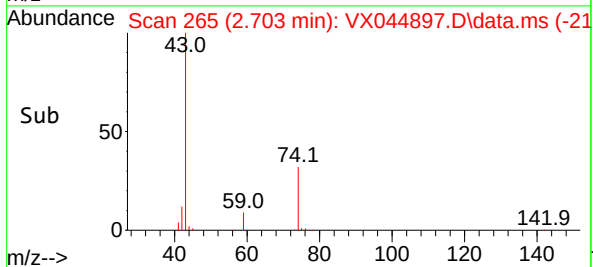
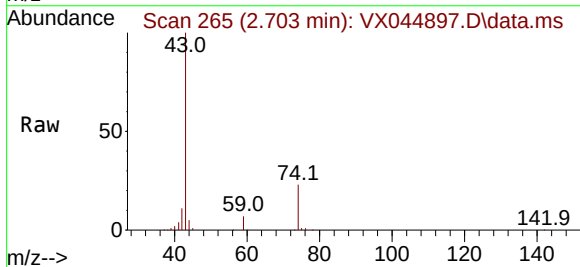
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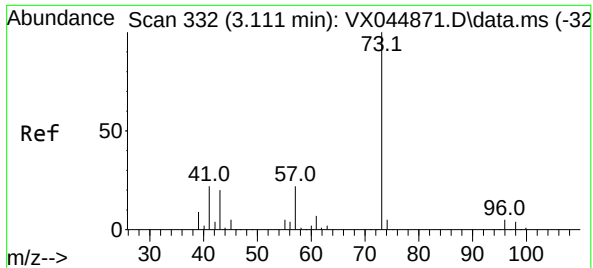
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#18
Methyl Acetate
Concen: 20.527 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 43 Resp: 44373
Ion Ratio Lower Upper
43 100
74 23.0 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 20.246 ug/l

RT: 3.111 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 73 Resp: 9665

Ion Ratio Lower Upper

73 100

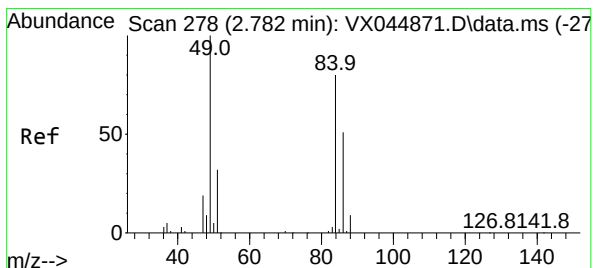
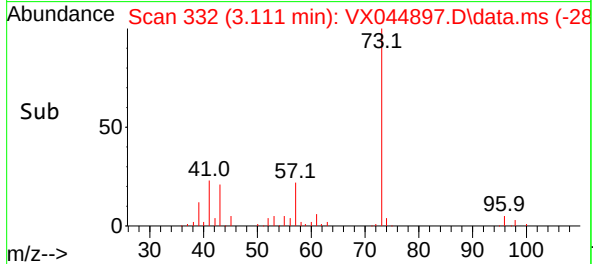
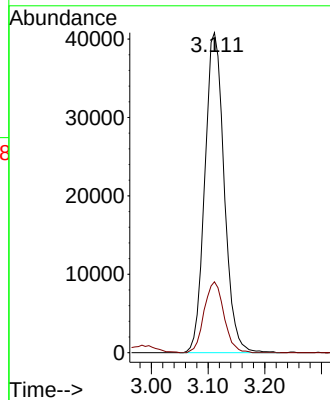
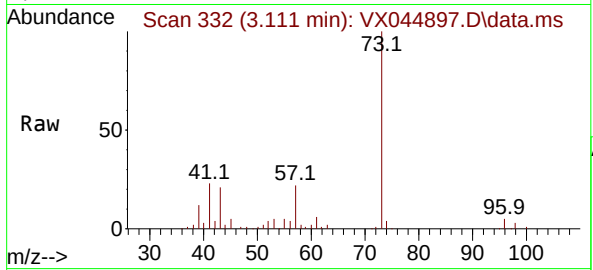
57 22.2 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#20

Methylene Chloride

Concen: 19.594 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Tgt Ion: 84 Resp: 32877

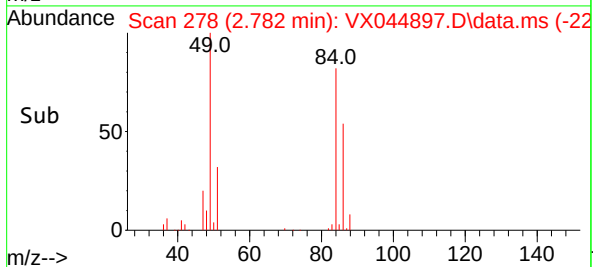
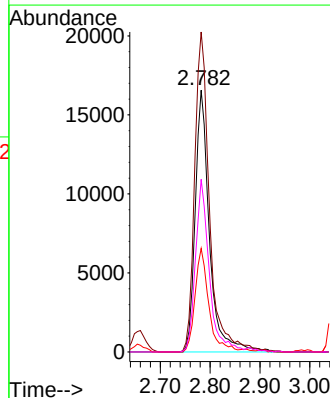
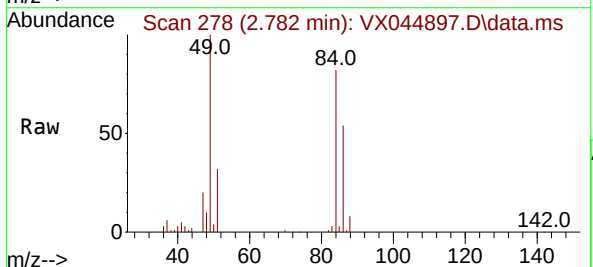
Ion Ratio Lower Upper

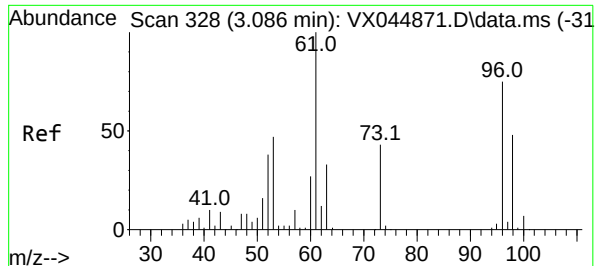
84 100

49 122.3 100.1 150.1

51 39.6 31.7 47.5

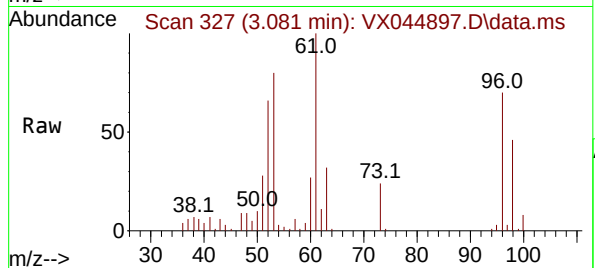
86 66.0 50.8 76.2





#21
trans-1,2-Dichloroethene
Concen: 19.676 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

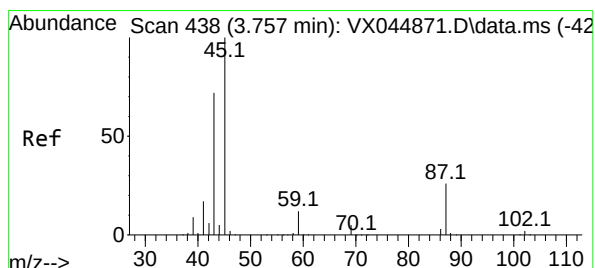
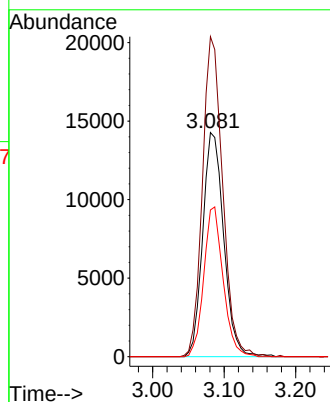
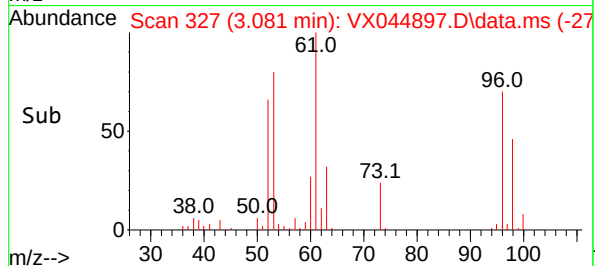
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01



Tgt Ion: 96 Resp: 2905
Ion Ratio Lower Upper
96 100
61 142.7 106.0 159.0
98 65.5 50.6 76.0

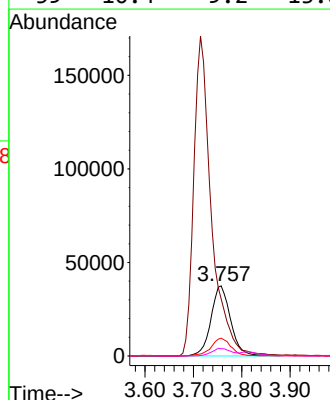
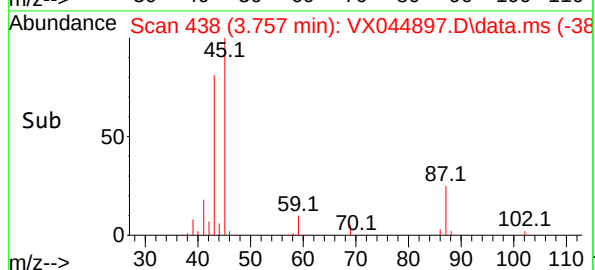
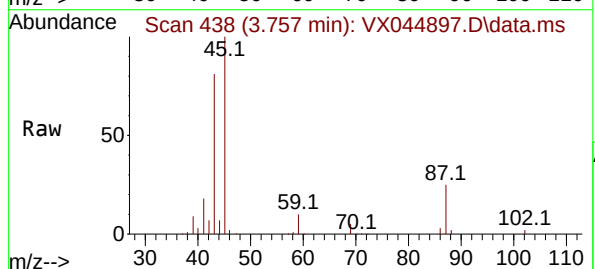
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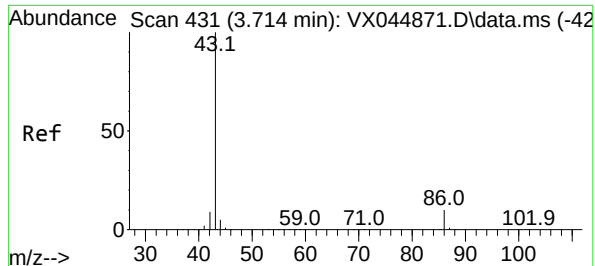
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#22
Diisopropyl ether
Concen: 20.627 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 45 Resp: 105816
Ion Ratio Lower Upper
45 100
43 81.0 58.0 87.0
87 25.4 20.7 31.1
59 10.4 9.2 13.8





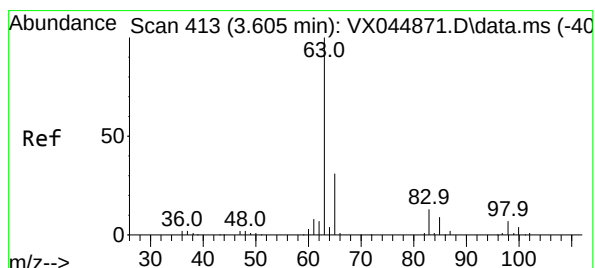
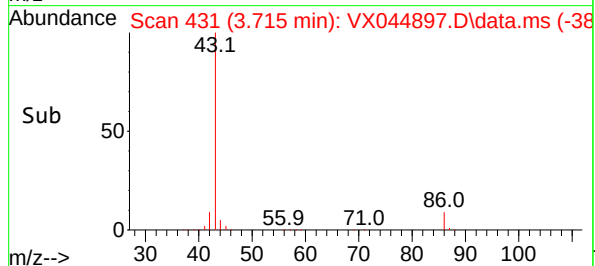
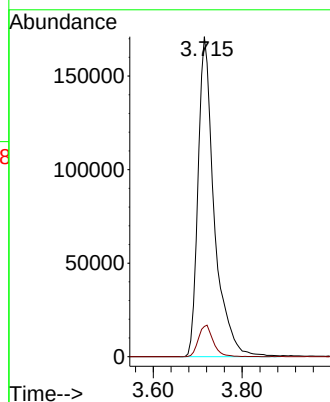
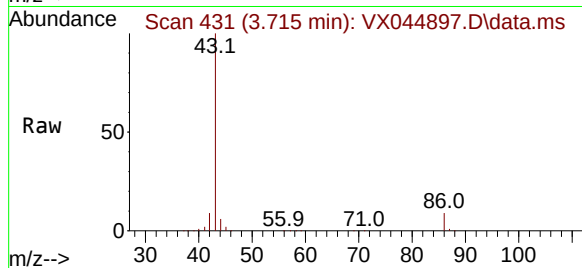
#23
 Vinyl Acetate
 Concen: 103.656 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX044897.D
 Acq: 11 Feb 2025 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBSD01

Tgt Ion: 43 Resp: 43351
 Ion Ratio Lower Upper
 43 100
 86 9.4 8.3 12.5

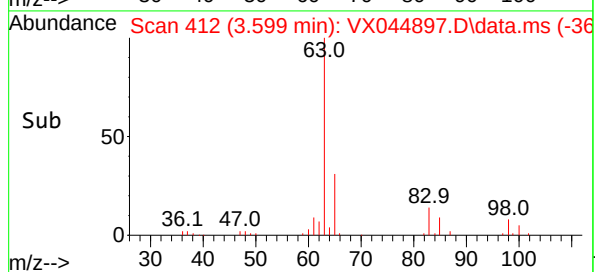
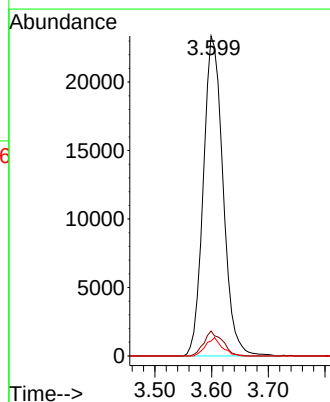
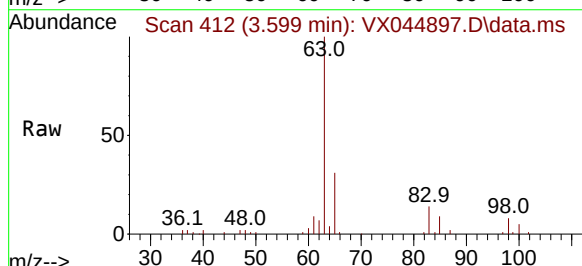
Manual Integrations
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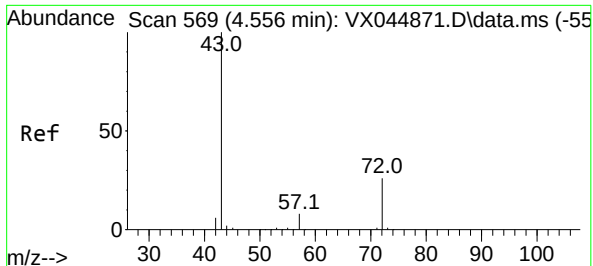
Reviewed By :John Carlone 02/12/2025
 Supervised By :Mahesh Dadoda 02/12/2025



#24
 1,1-Dichloroethane
 Concen: 19.635 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.006 min
 Lab File: VX044897.D
 Acq: 11 Feb 2025 11:48

Tgt Ion: 63 Resp: 56359
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.3 9.9
 100 4.6 2.1 6.5





#25

2-Butanone

Concen: 103.966 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 43 Resp: 11564

Ion Ratio Lower Upper

43 100

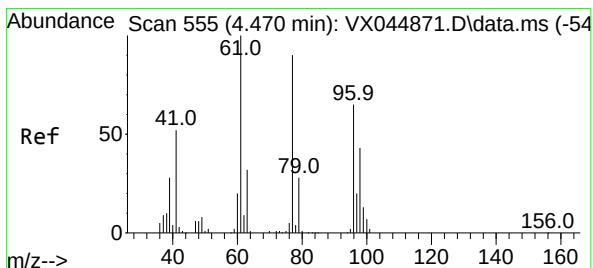
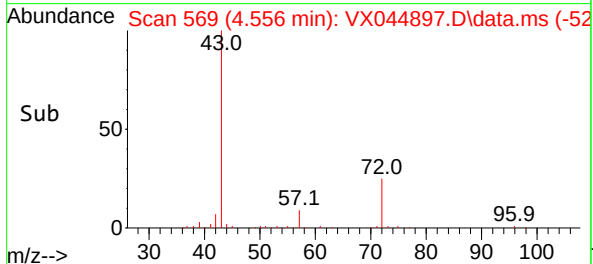
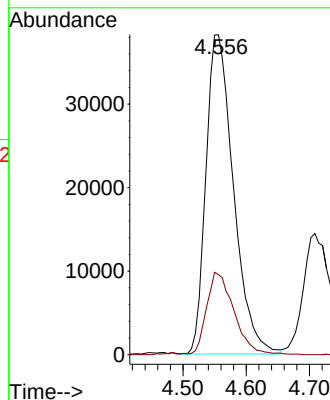
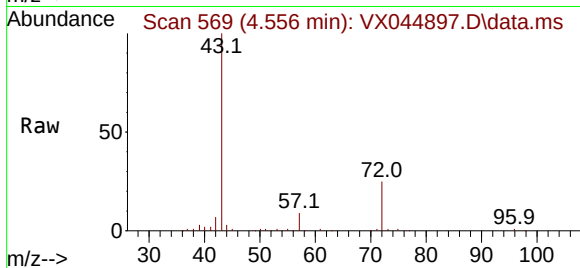
72 24.8 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#26

2,2-Dichloropropane

Concen: 19.590 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX044897.D

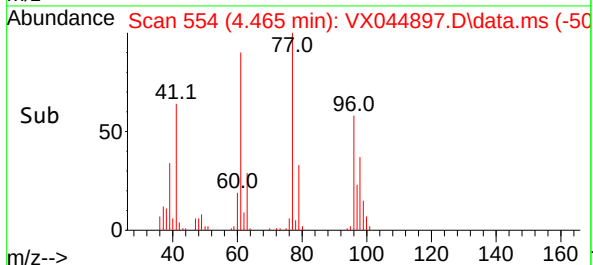
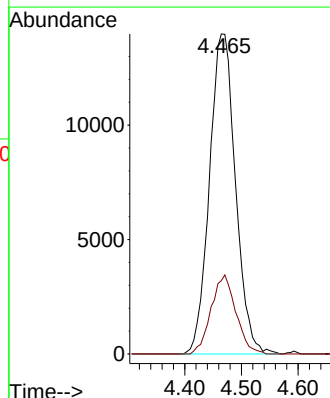
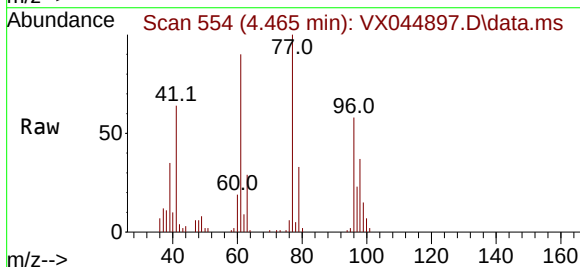
Acq: 11 Feb 2025 11:48

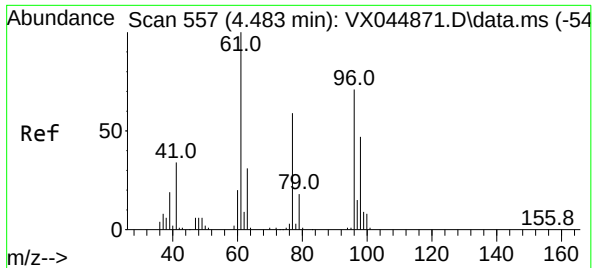
Tgt Ion: 77 Resp: 44593

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.041 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 96 Resp: 3554

Ion Ratio Lower Upper

96 100

61 145.0 0.0 294.0

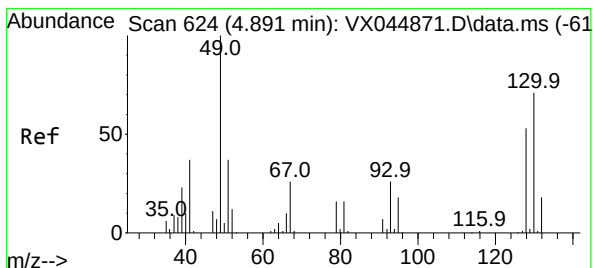
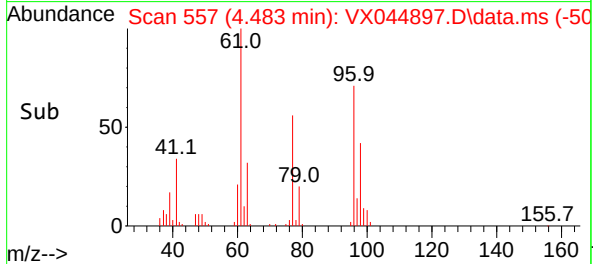
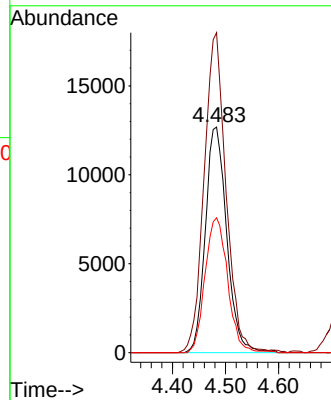
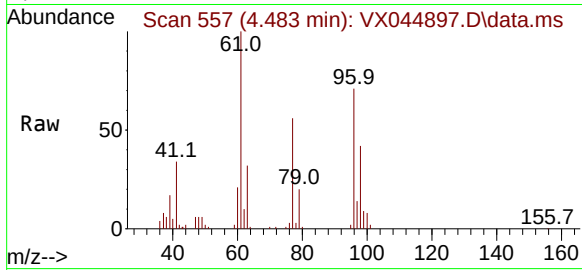
98 63.4 0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#28

Bromochloromethane

Concen: 18.515 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

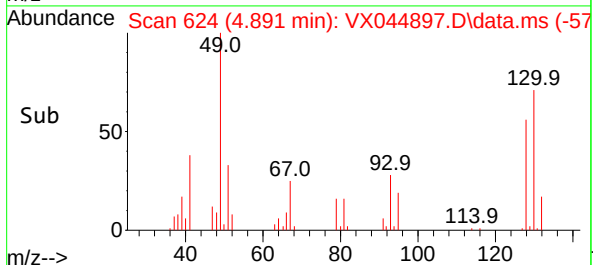
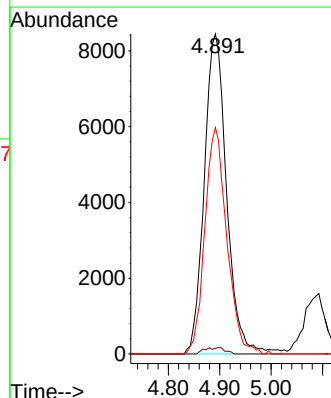
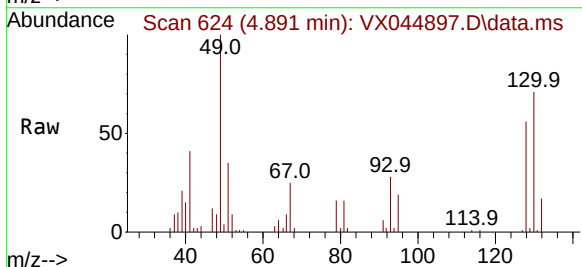
Tgt Ion: 49 Resp: 25541

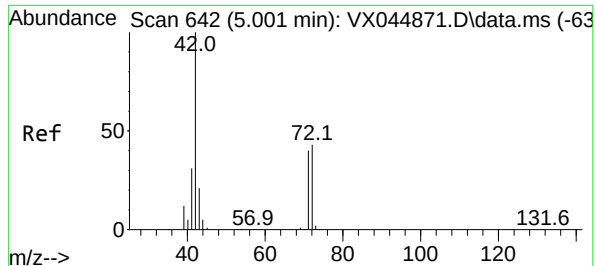
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 69.2 56.7 85.1





#29

Tetrahydrofuran

Concen: 101.711 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 42 Resp: 7512

Ion Ratio Lower Upper

42 100

72 45.0 35.0 52.4

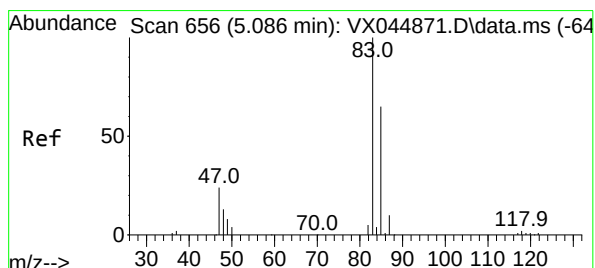
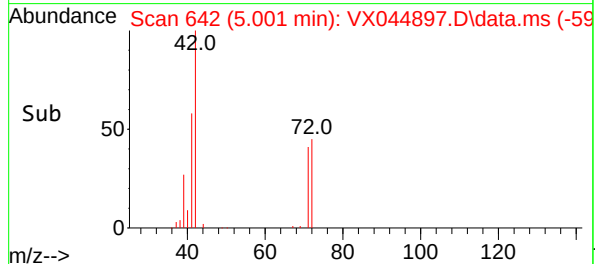
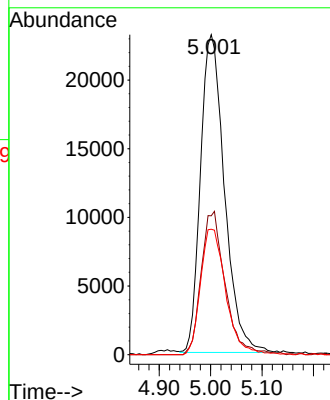
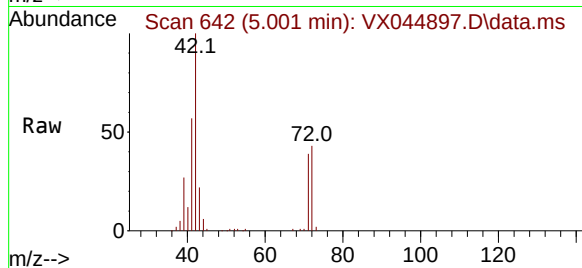
71 41.5 32.6 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#30

Chloroform

Concen: 19.660 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044897.D

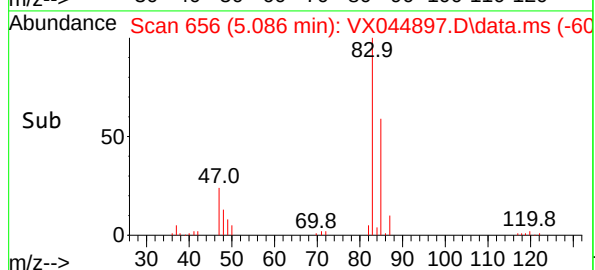
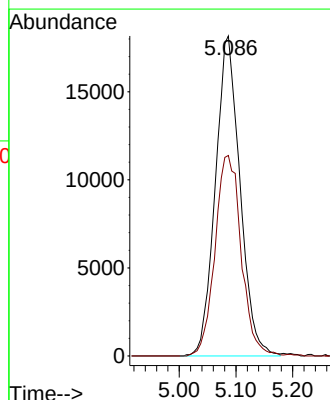
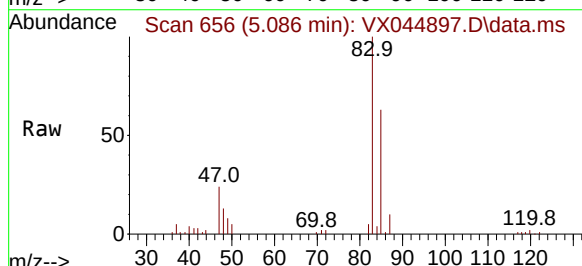
Acq: 11 Feb 2025 11:48

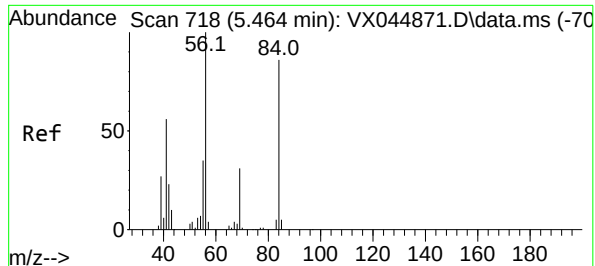
Tgt Ion: 83 Resp: 54727

Ion Ratio Lower Upper

83 100

85 62.7 52.1 78.1





#31

Cyclohexane

Concen: 19.969 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 56 Resp: 5284

Ion Ratio Lower Upper

56 100

69 28.9 24.4 36.6

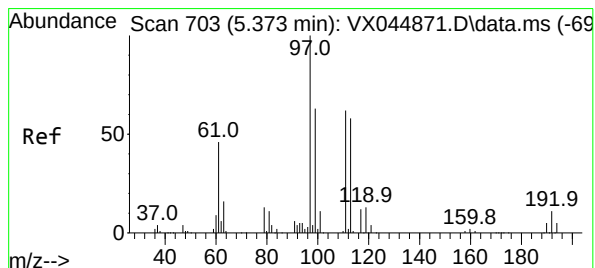
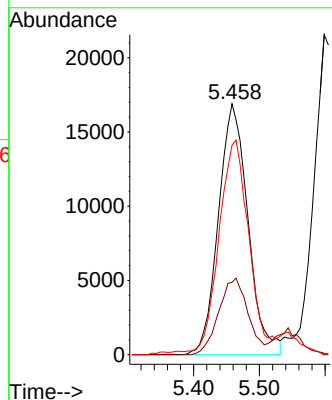
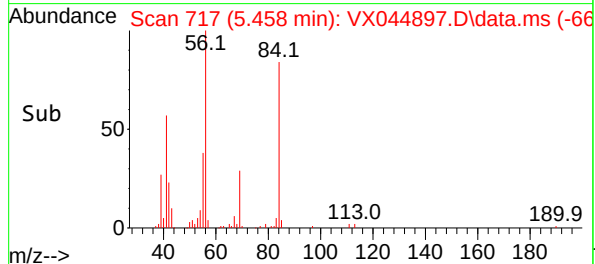
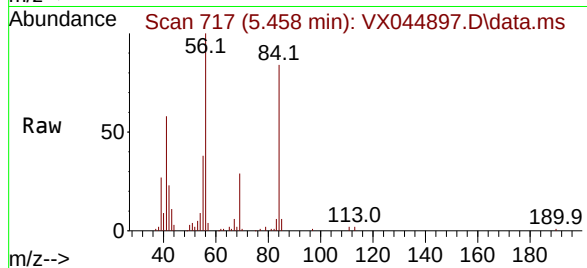
84 82.2 69.0 103.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#32

1,1,1-Trichloroethane

Concen: 19.624 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

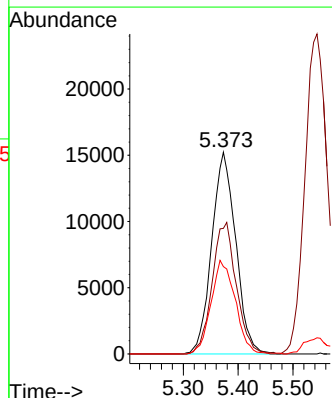
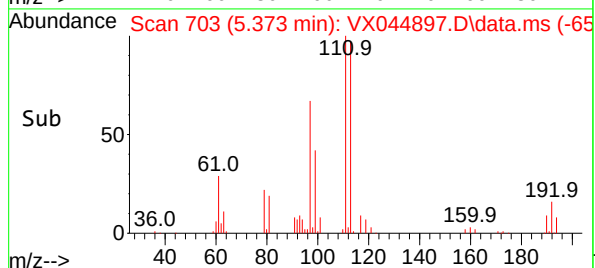
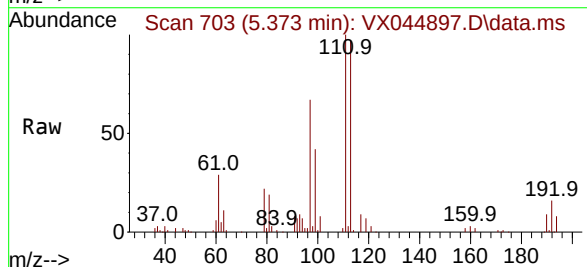
Tgt Ion: 97 Resp: 46336

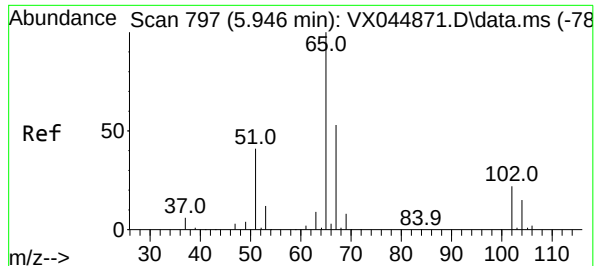
Ion Ratio Lower Upper

97 100

99 65.4 51.0 76.6

61 46.9 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 49.388 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 65 Resp: 84150

Ion Ratio Lower Upper

65 100

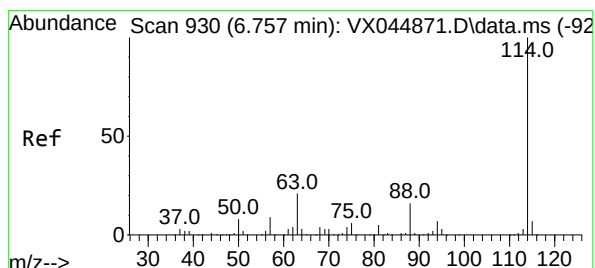
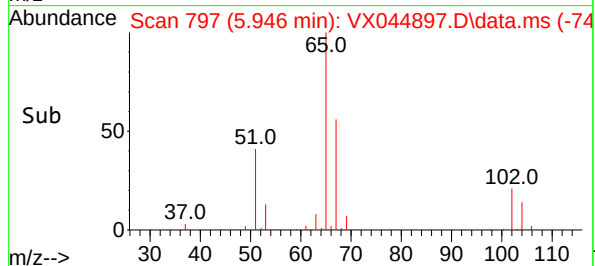
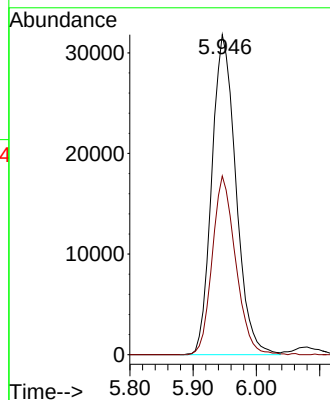
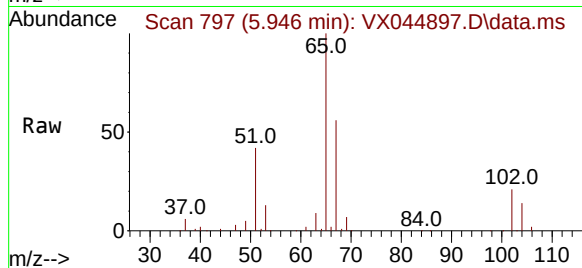
67 54.1 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

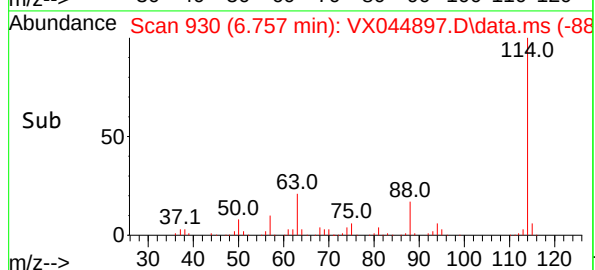
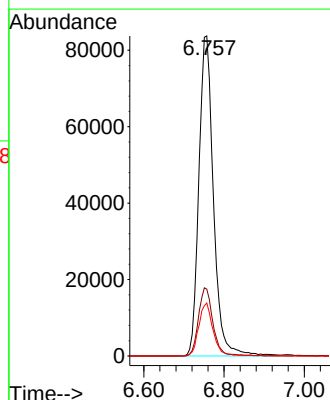
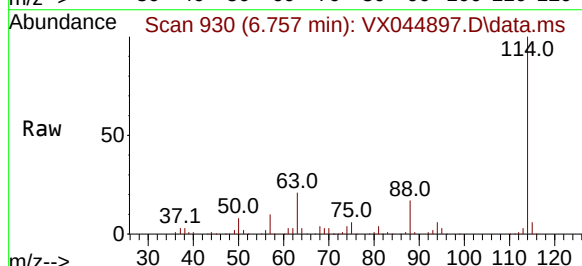
Tgt Ion:114 Resp: 211404

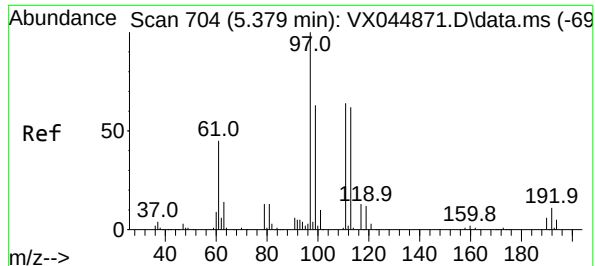
Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.4

88 16.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.805 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion:113 Resp: 6708

Ion Ratio Lower Upper

113 100

111 102.4 83.5 125.3

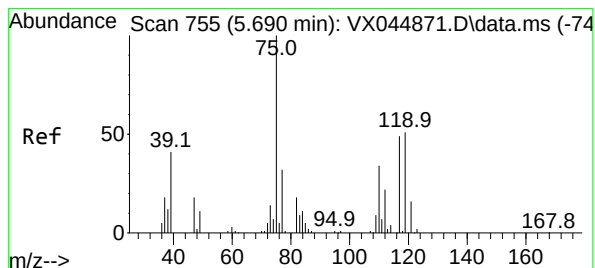
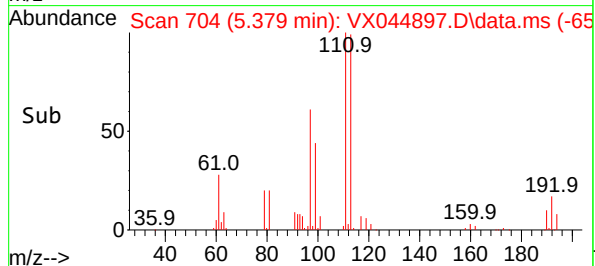
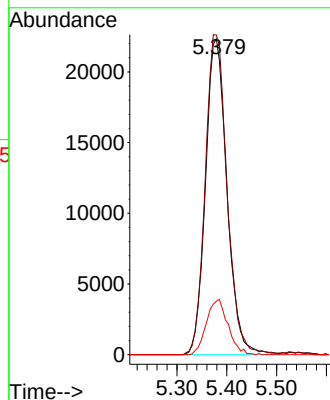
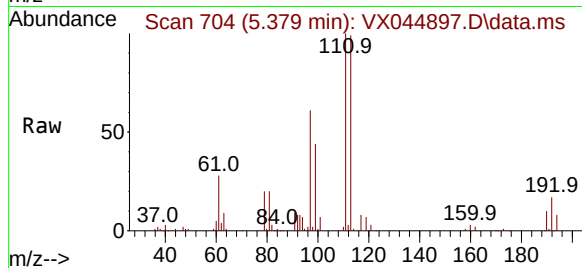
192 17.4 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#36

1,1-Dichloropropene

Concen: 19.226 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

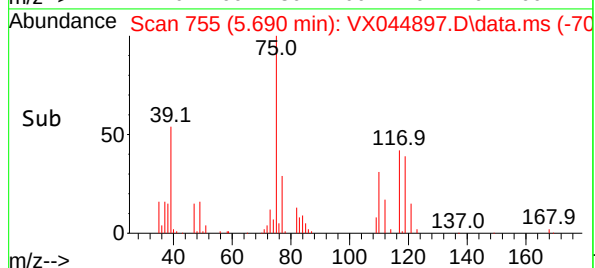
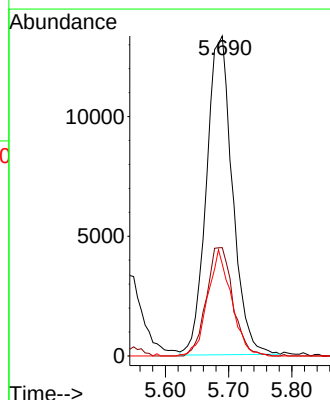
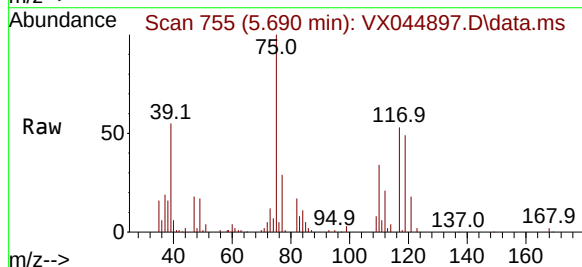
Tgt Ion: 75 Resp: 38126

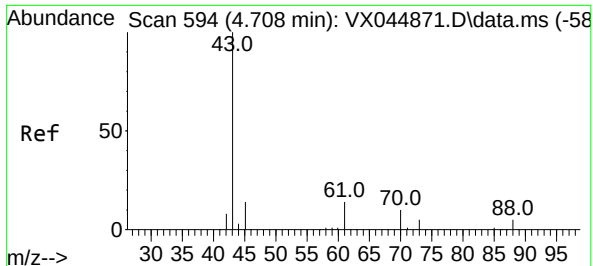
Ion Ratio Lower Upper

75 100

110 34.6 17.2 51.6

77 30.6 24.6 37.0





#37

Ethyl Acetate

Concen: 19.128 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

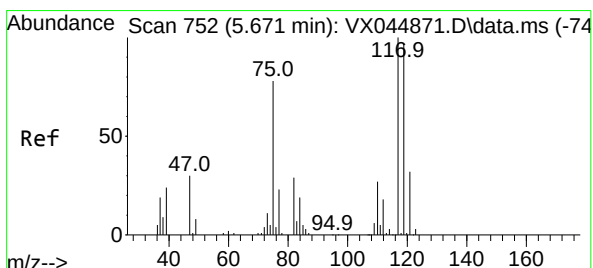
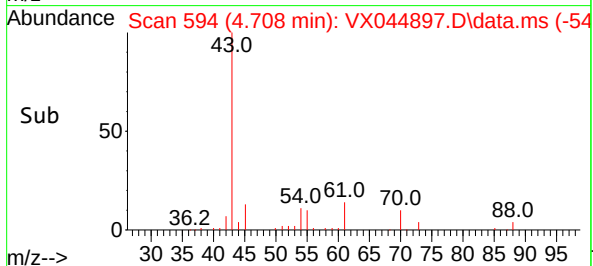
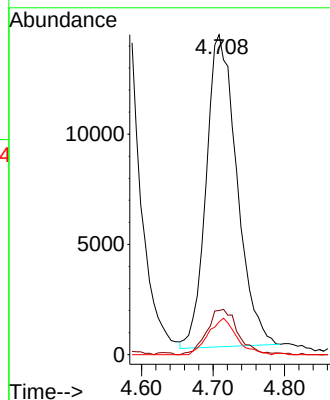
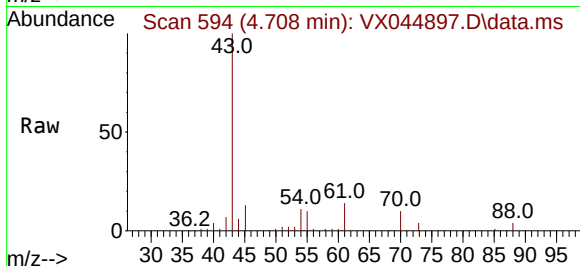
Tgt Ion:	43	Resp:	4219
Ion Ratio	Lower	Upper	
43	100		
61	14.8	11.0	16.4
70	10.7	8.2	12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#38

Carbon Tetrachloride

Concen: 19.985 ug/l

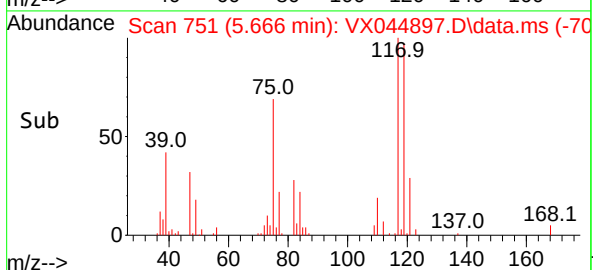
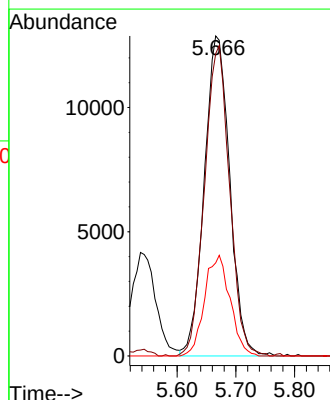
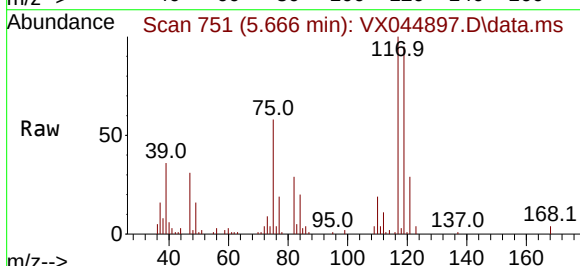
RT: 5.666 min Scan# 751

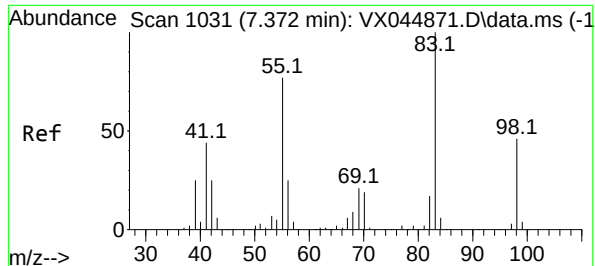
Delta R.T. -0.006 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Tgt Ion:	117	Resp:	38835
Ion Ratio	Lower	Upper	
117	100		
119	93.9	77.5	116.3
121	29.1	25.6	38.4





#39

Methylcyclohexane

Concen: 20.842 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 83 Resp: 53434

Ion Ratio Lower Upper

83 100

55 73.8 61.3 91.9

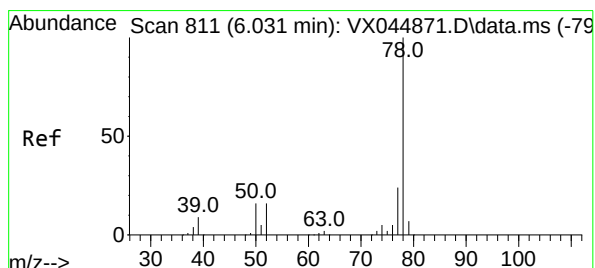
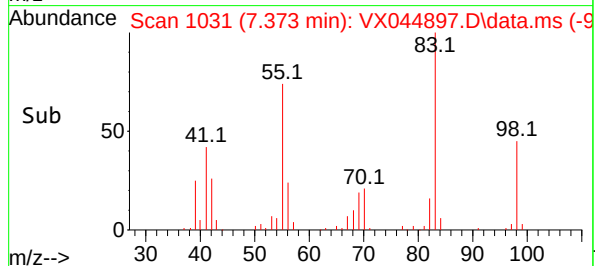
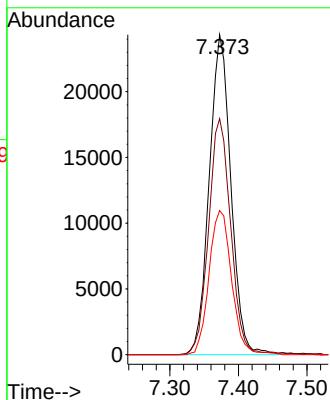
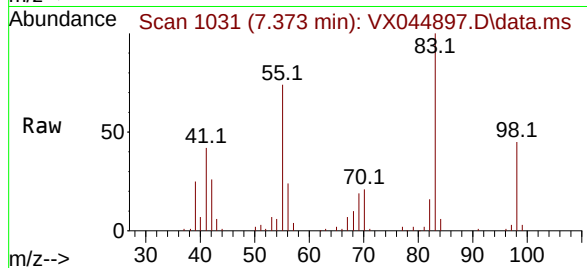
98 45.1 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#40

Benzene

Concen: 20.215 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044897.D

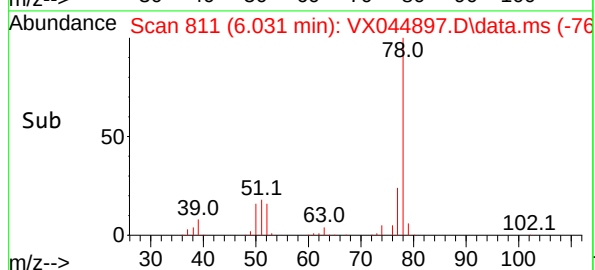
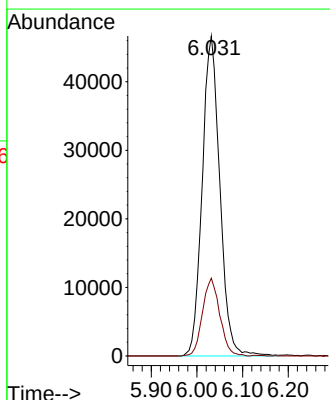
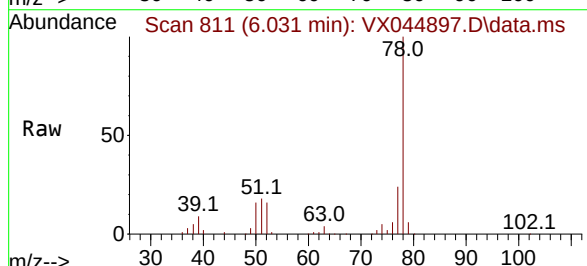
Acq: 11 Feb 2025 11:48

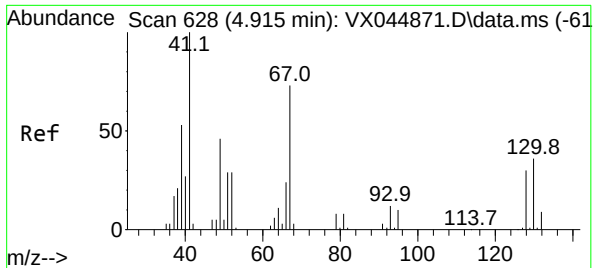
Tgt Ion: 78 Resp: 125170

Ion Ratio Lower Upper

78 100

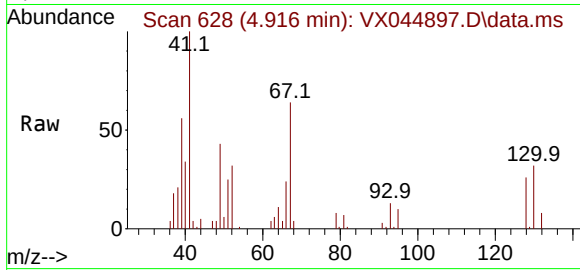
77 24.3 19.0 28.6





#41
Methacrylonitrile
Concen: 21.092 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

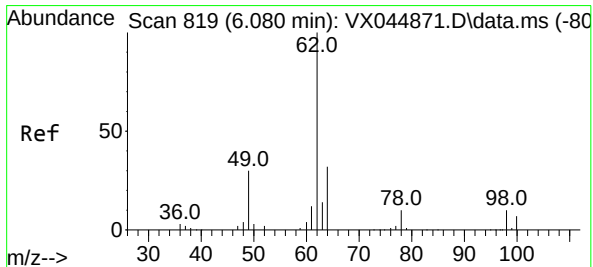
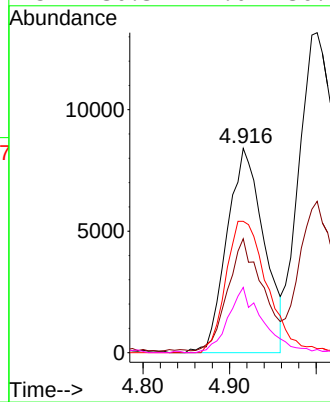
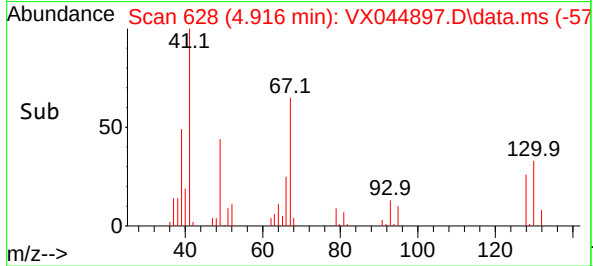
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01



Tgt Ion: 41 Resp: 2490
Ion Ratio Lower Upper
41 100
39 51.5 43.1 64.7
67 72.7 57.0 85.6
52 30.3 24.0 36.0

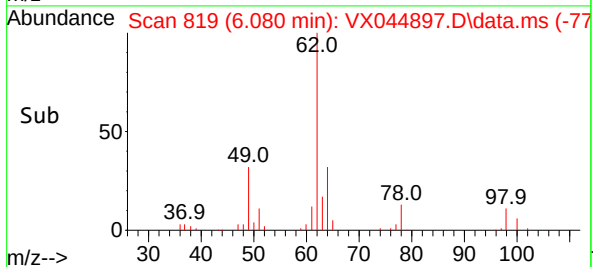
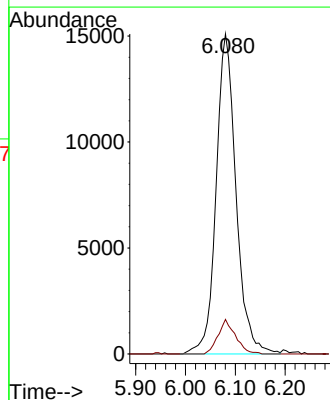
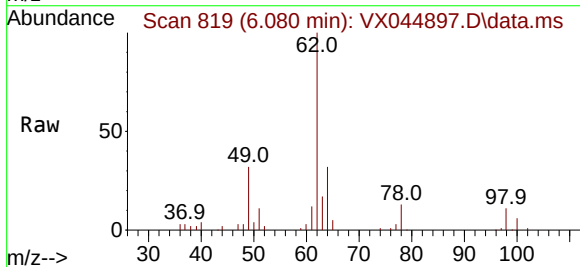
Manual Integrations
APPROVED

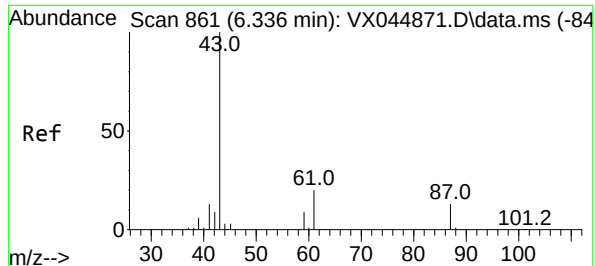
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#42
1,2-Dichloroethane
Concen: 21.196 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 62 Resp: 41830
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.4





#43

Isopropyl Acetate

Concen: 20.673 ug/l

RT: 6.336 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 43 Resp: 7363

Ion Ratio Lower Upper

43 100

61 19.1 15.8 23.8

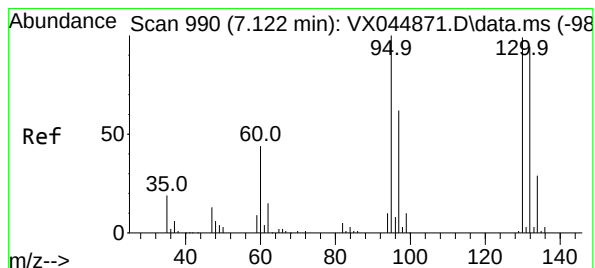
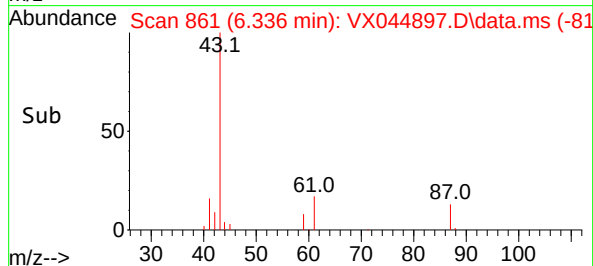
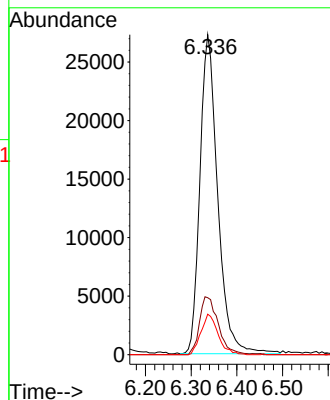
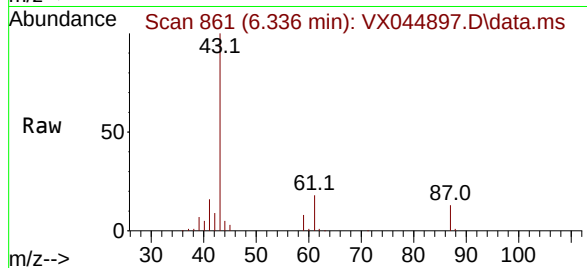
87 12.2 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#44

Trichloroethene

Concen: 19.717 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX044897.D

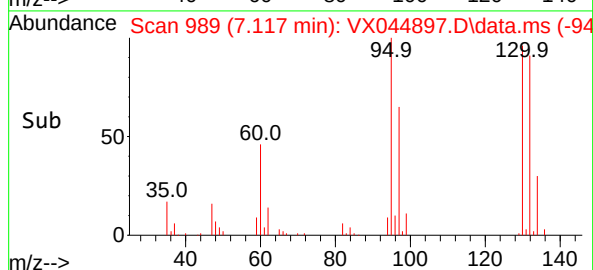
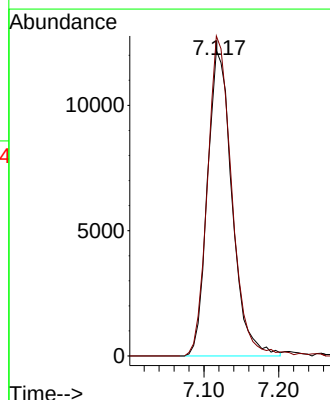
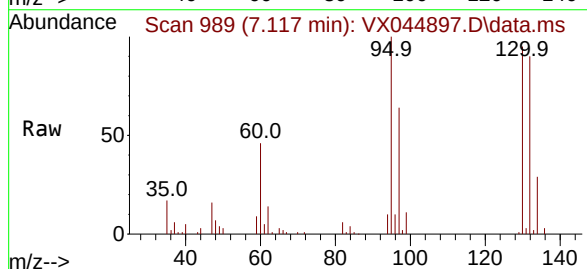
Acq: 11 Feb 2025 11:48

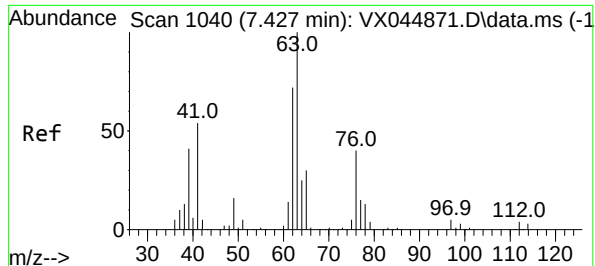
Tgt Ion:130 Resp: 27907

Ion Ratio Lower Upper

130 100

95 104.7 0.0 202.4





#45

1,2-Dichloropropane

Concen: 20.358 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 63 Resp: 3136

Ion Ratio Lower Upper

63 100

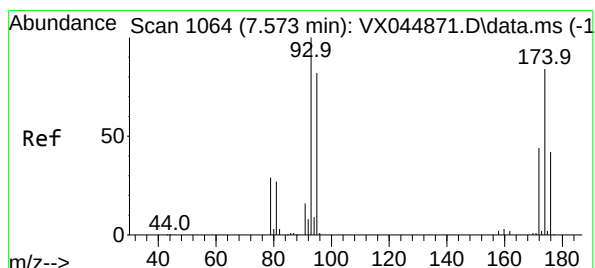
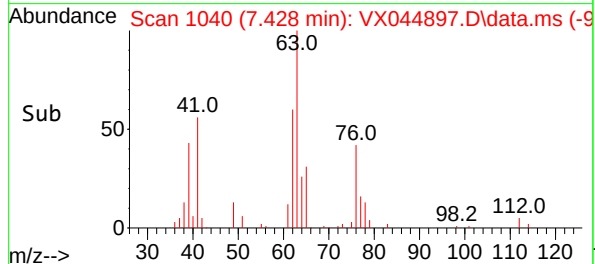
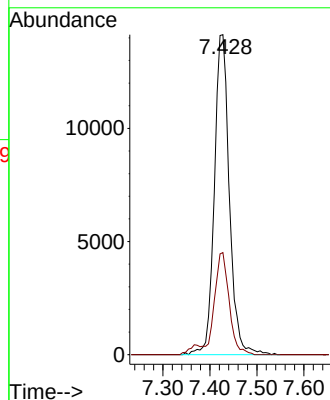
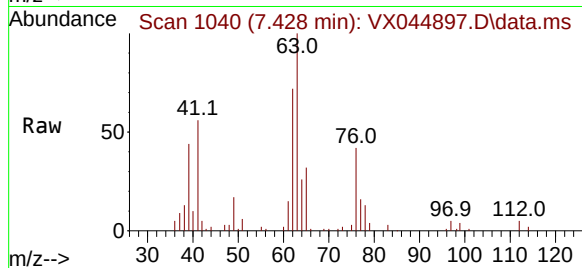
65 31.9 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#46

Dibromomethane

Concen: 20.340 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

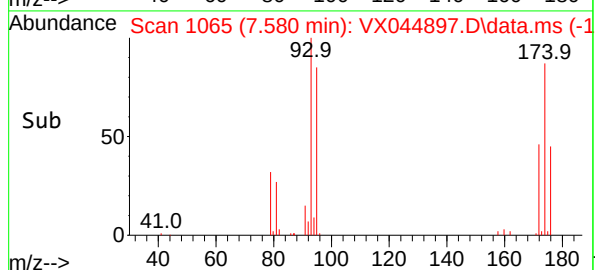
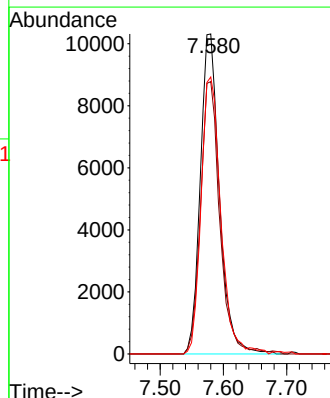
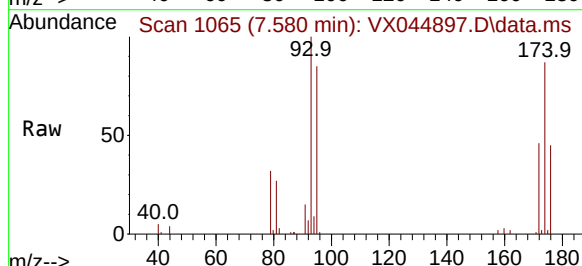
Tgt Ion: 93 Resp: 21730

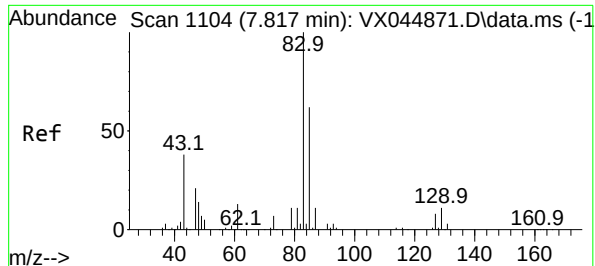
Ion Ratio Lower Upper

93 100

95 85.6 66.2 99.4

174 89.2 69.9 104.9





#47

Bromodichloromethane

Concen: 20.786 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 83 Resp: 42998

Ion Ratio Lower Upper

83 100

85 64.6 50.0 75.0

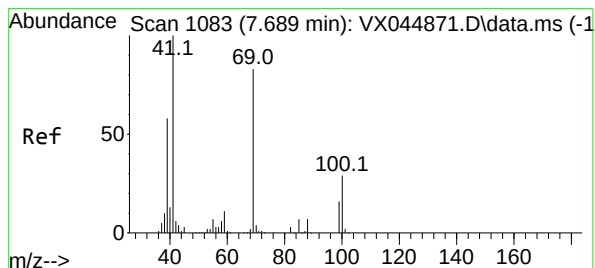
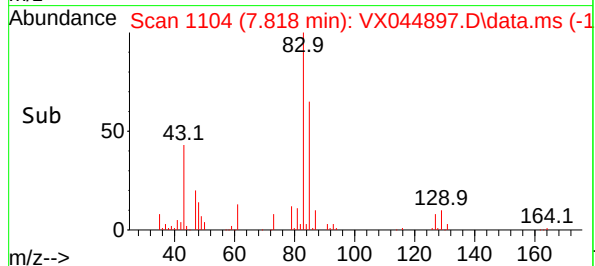
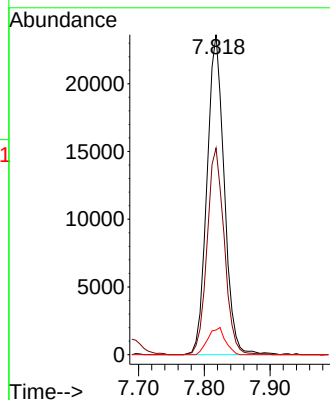
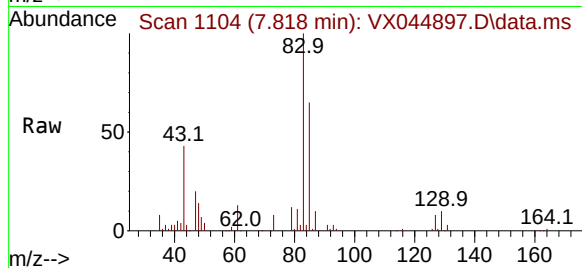
127 7.7 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#48

Methyl methacrylate

Concen: 20.774 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

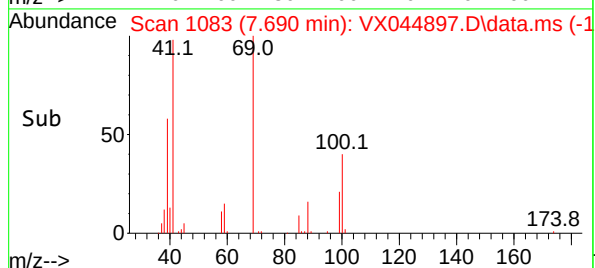
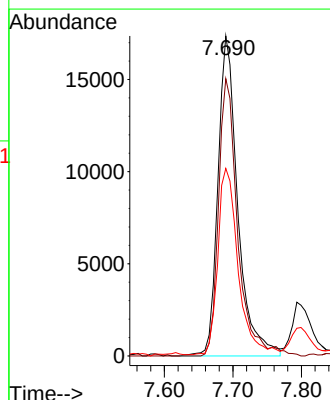
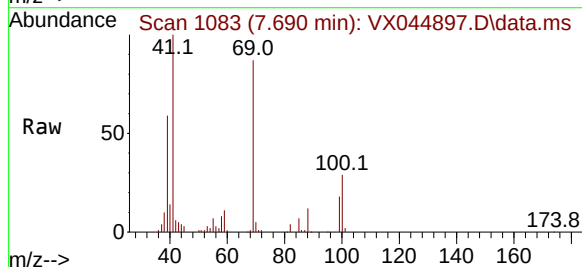
Tgt Ion: 41 Resp: 34888

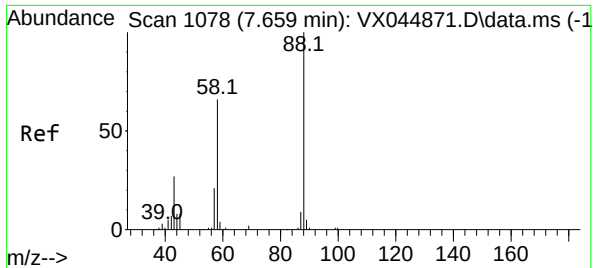
Ion Ratio Lower Upper

41 100

69 83.8 65.8 98.8

39 59.9 46.4 69.6





#49

1,4-Dioxane

Concen: 407.387 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 88 Resp: 14679

Ion Ratio Lower Upper

88 100

43 35.1 26.6 39.8

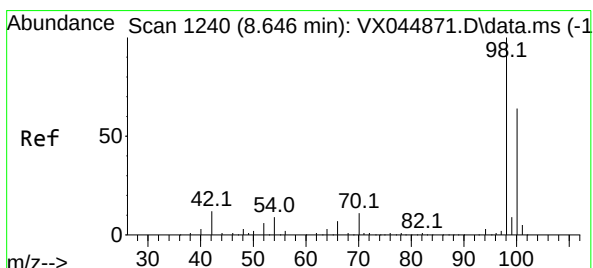
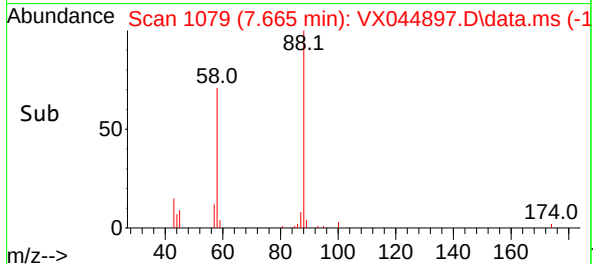
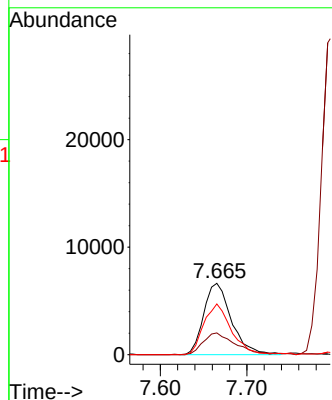
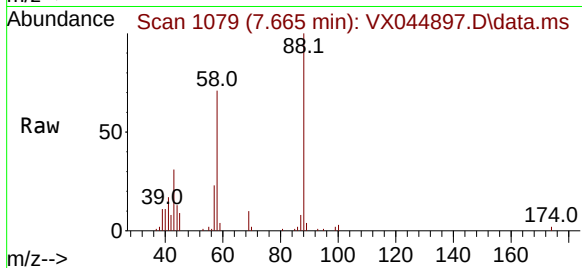
58 70.5 55.9 83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#50

Toluene-d8

Concen: 49.019 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX044897.D

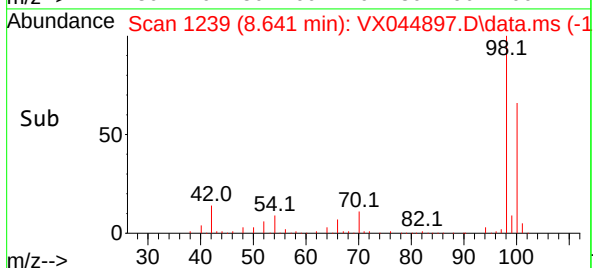
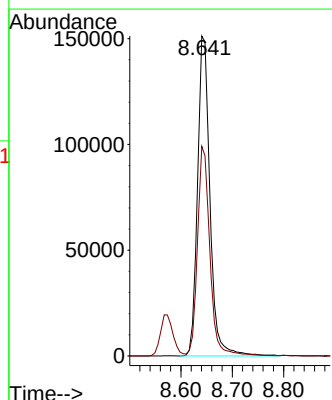
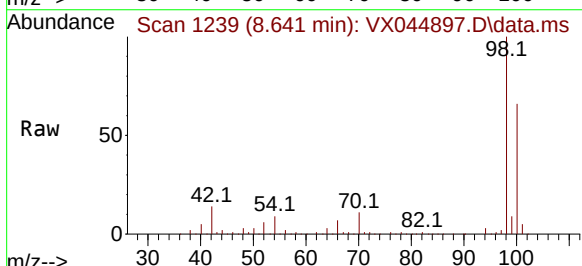
Acq: 11 Feb 2025 11:48

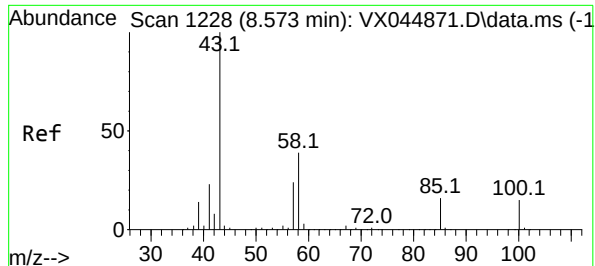
Tgt Ion: 98 Resp: 254774

Ion Ratio Lower Upper

98 100

100 64.9 52.7 79.1





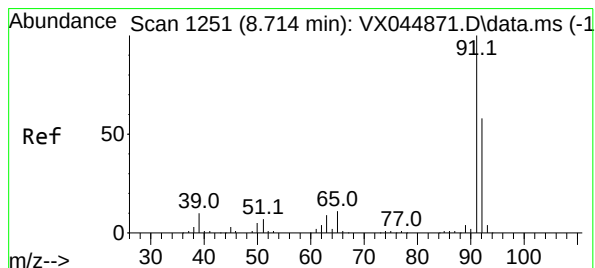
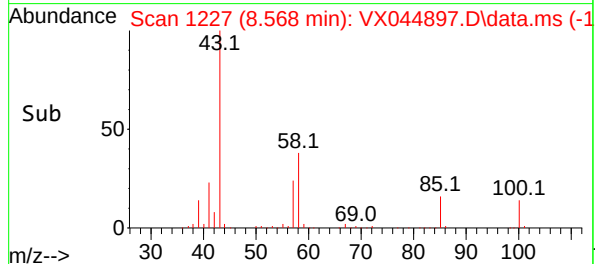
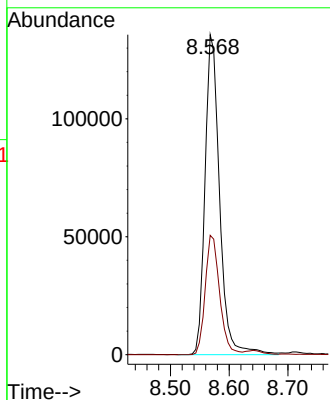
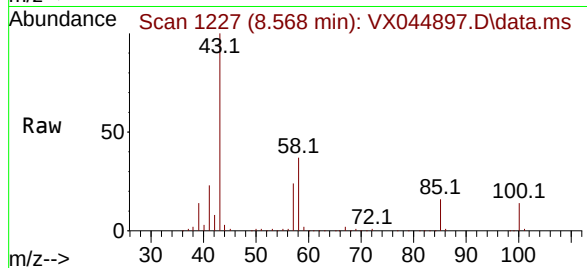
#51
4-Methyl-2-Pentanone
Concen: 108.010 ug/l
RT: 8.568 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 43 Resp: 23388
Ion Ratio Lower Upper
43 100
58 37.0 30.8 46.2

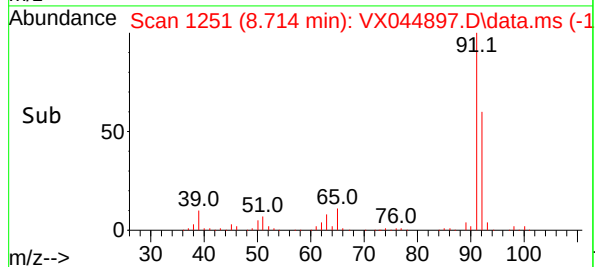
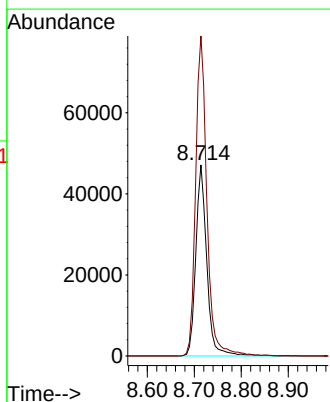
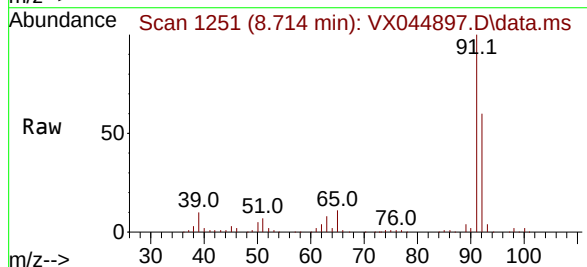
Manual Integrations
APPROVED

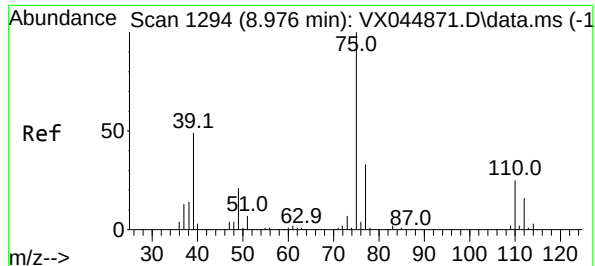
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#52
Toluene
Concen: 20.859 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 92 Resp: 76922
Ion Ratio Lower Upper
92 100
91 172.4 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 20.031 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 75 Resp: 4193

Ion Ratio Lower Upper

75 100

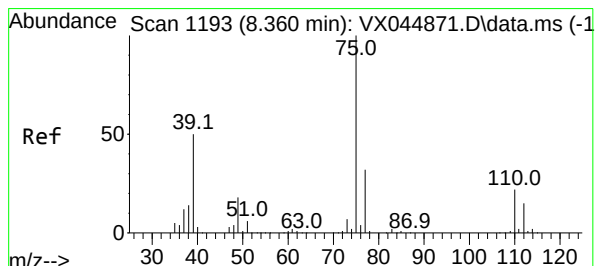
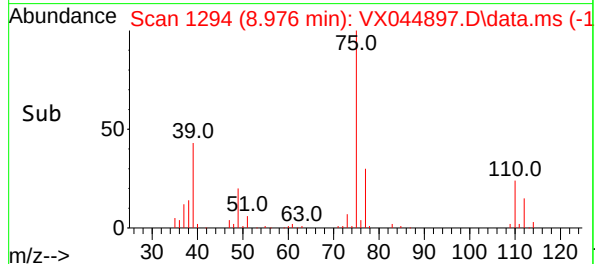
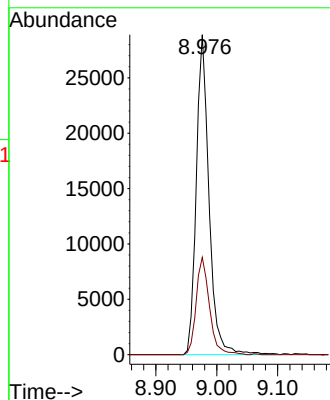
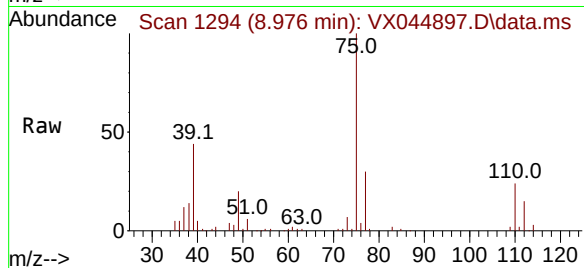
77 30.4 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#54

cis-1,3-Dichloropropene

Concen: 20.513 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

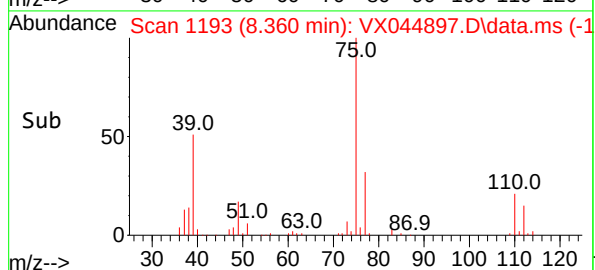
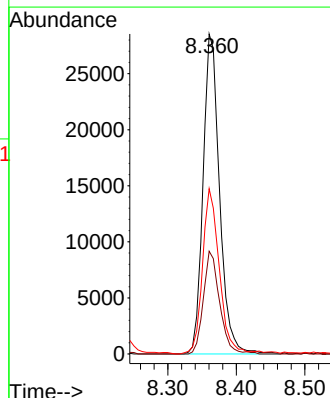
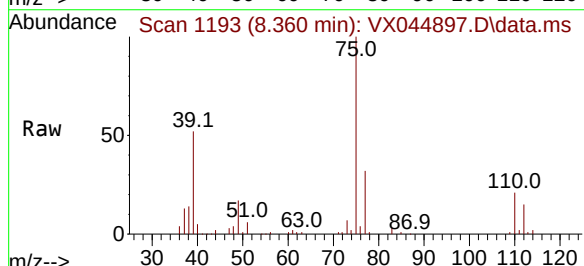
Tgt Ion: 75 Resp: 47877

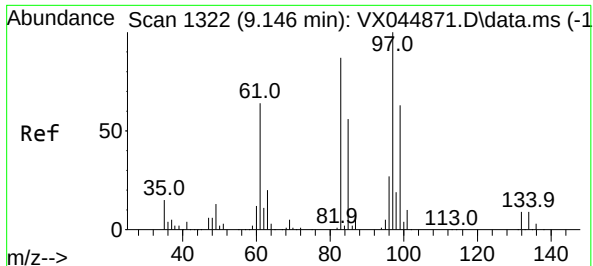
Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

39 51.7 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 21.290 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 97 Resp: 3018

Ion Ratio Lower Upper

97 100

83 92.3 69.8 104.6

85 59.6 44.8 67.2

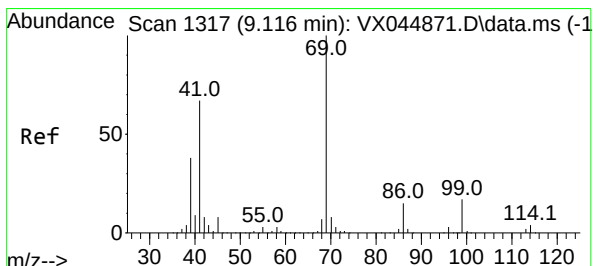
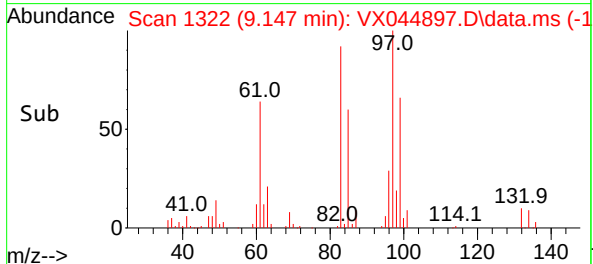
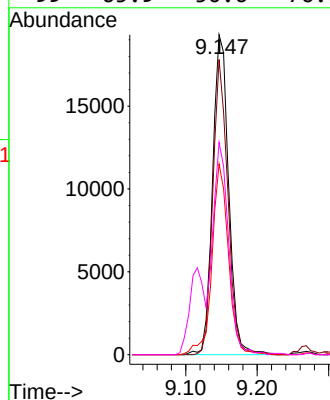
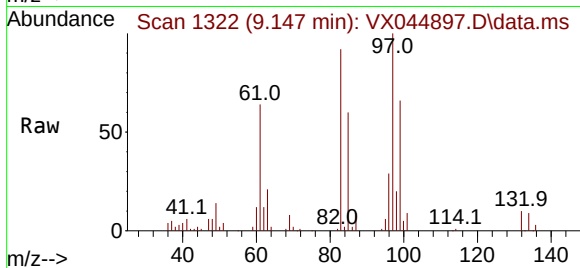
99 65.9 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#56

Ethyl methacrylate

Concen: 20.773 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

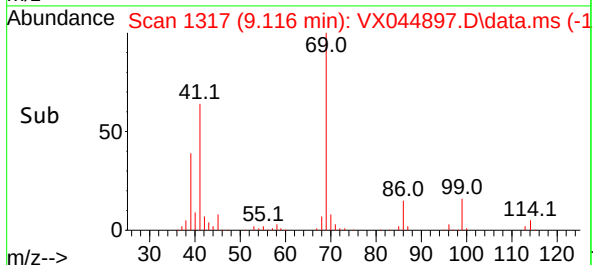
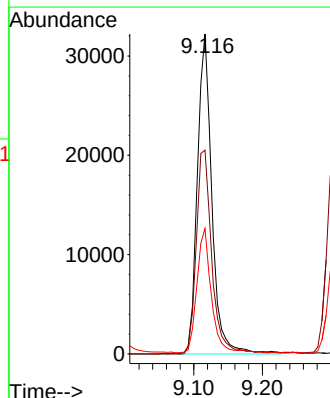
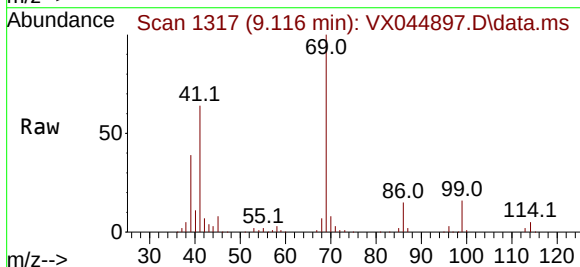
Tgt Ion: 69 Resp: 47561

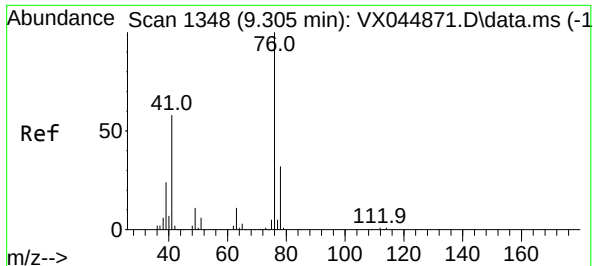
Ion Ratio Lower Upper

69 100

41 68.5 55.2 82.8

39 39.0 30.8 46.2





#57

1,3-Dichloropropane

Concen: 20.832 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 76 Resp: 51672

Ion Ratio Lower Upper

76 100

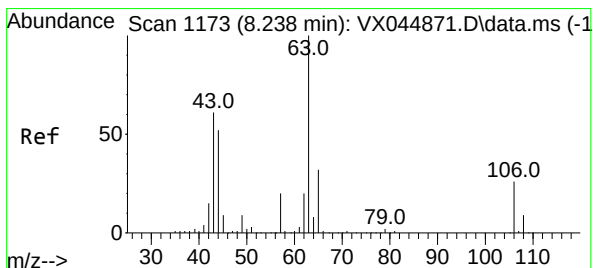
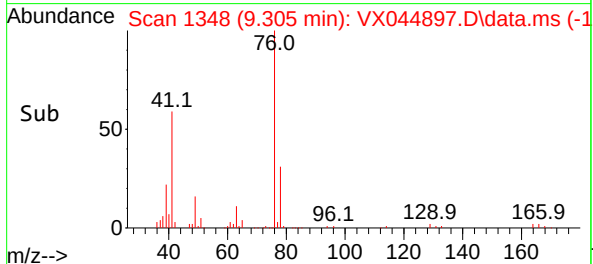
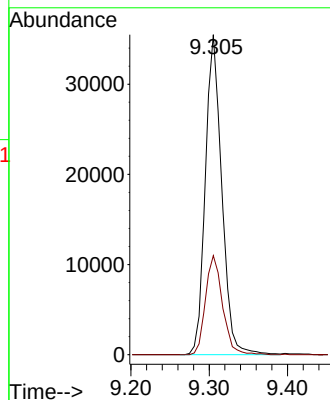
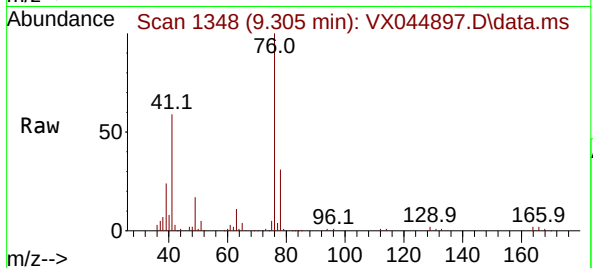
78 32.1 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#58

2-Chloroethyl Vinyl ether

Concen: 96.512 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044897.D

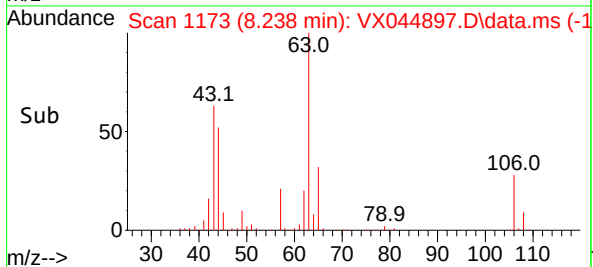
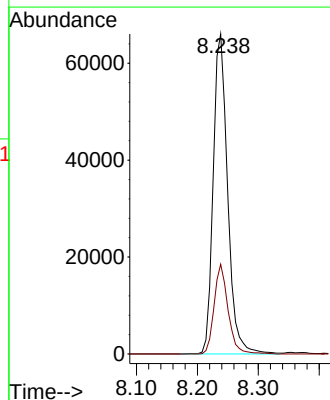
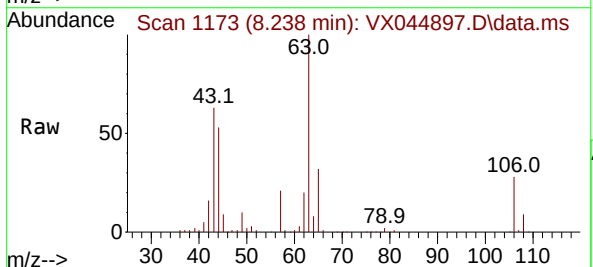
Acq: 11 Feb 2025 11:48

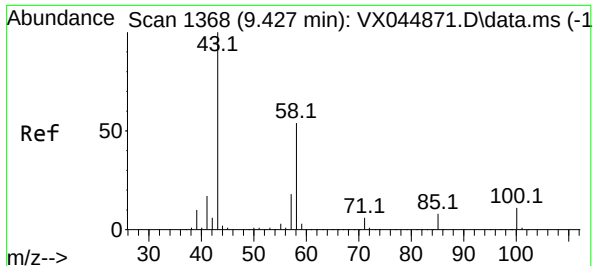
Tgt Ion: 63 Resp: 108500

Ion Ratio Lower Upper

63 100

106 27.0 21.3 31.9





#59

2-Hexanone

Concen: 107.751 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 43 Resp: 168110

Ion Ratio Lower Upper

43 100

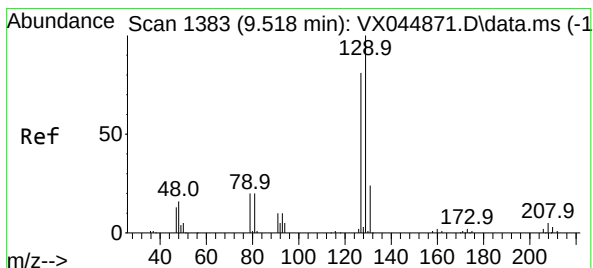
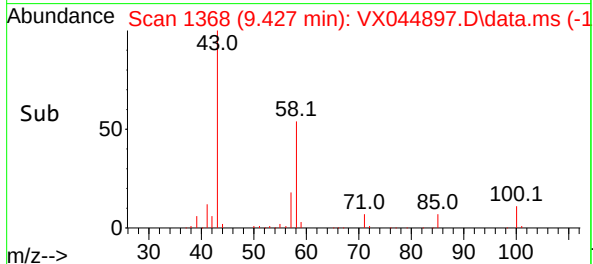
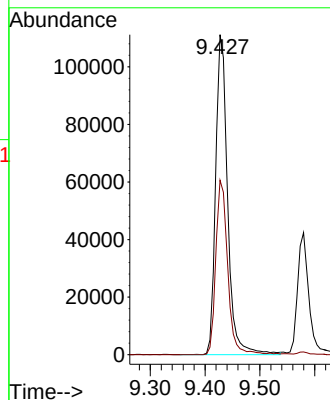
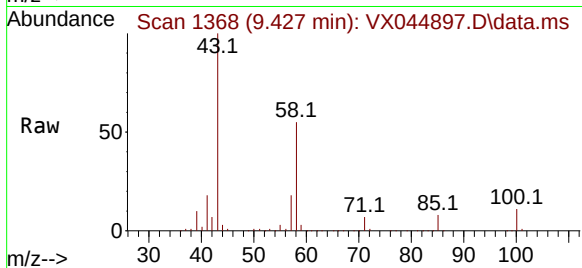
58 54.1 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#60

Dibromochloromethane

Concen: 20.976 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044897.D

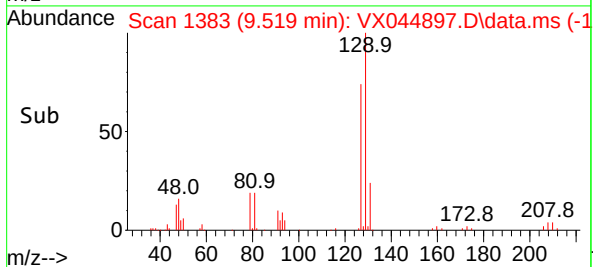
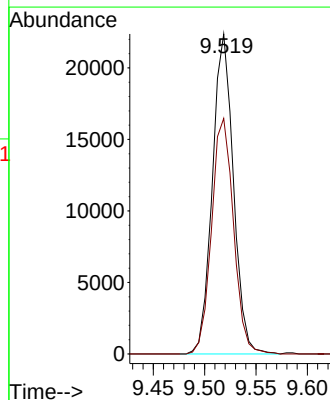
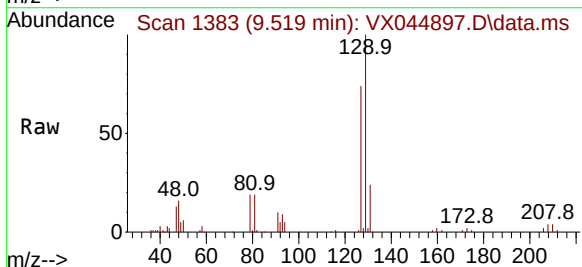
Acq: 11 Feb 2025 11:48

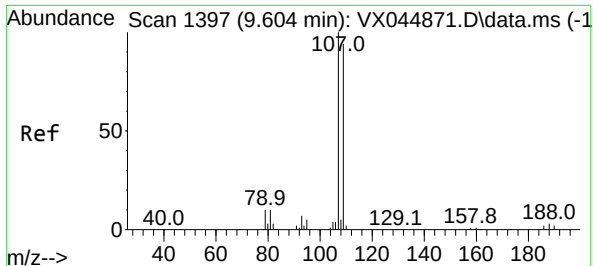
Tgt Ion:129 Resp: 31801

Ion Ratio Lower Upper

129 100

127 76.9 39.1 117.3





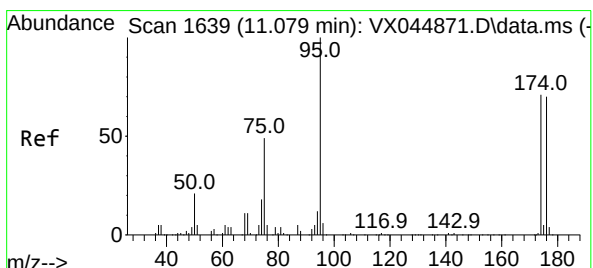
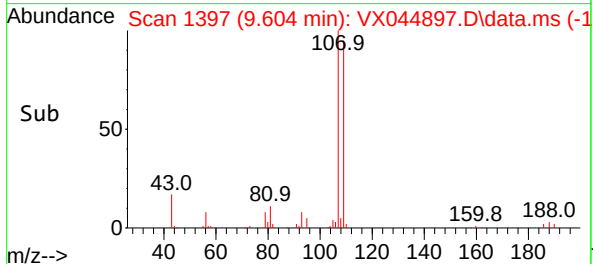
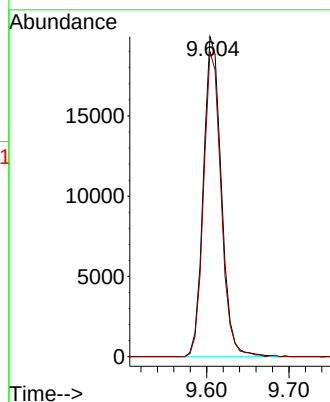
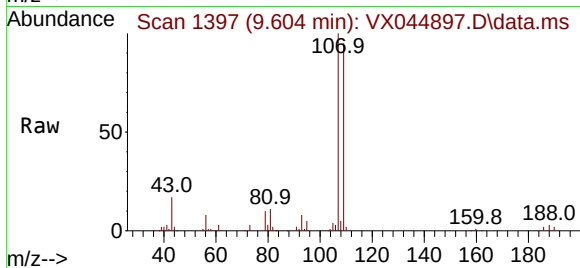
#61
1,2-Dibromoethane
Concen: 20.999 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:107 Resp: 30172
Ion Ratio Lower Upper
107 100
109 93.0 75.9 113.9

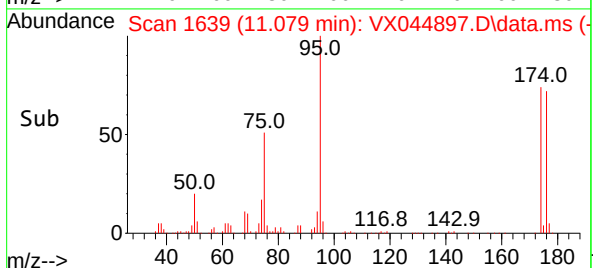
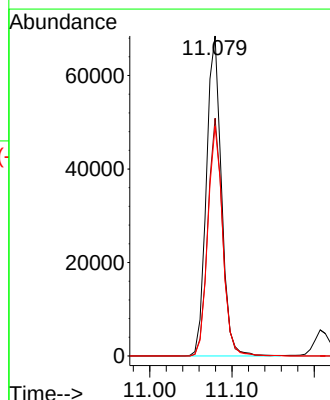
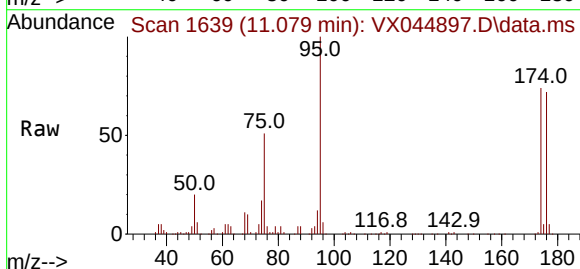
Manual Integrations
APPROVED

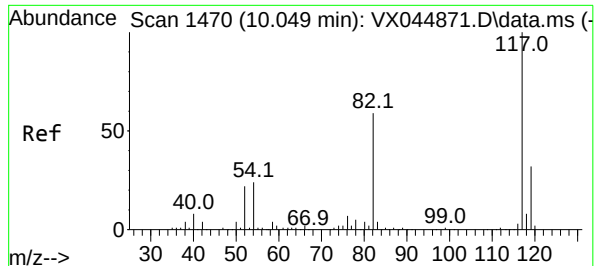
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#62
4-Bromofluorobenzene
Concen: 49.646 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 95 Resp: 86989
Ion Ratio Lower Upper
95 100
174 72.5 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: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion:117 Resp: 18633

Ion Ratio Lower Upper

117 100

82 59.0 47.5 71.3

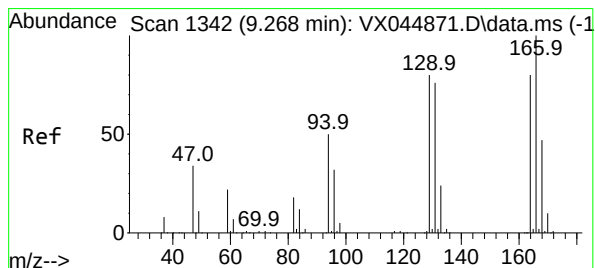
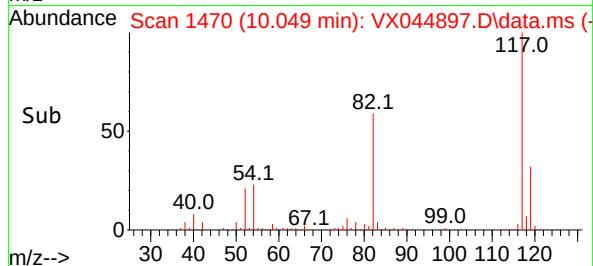
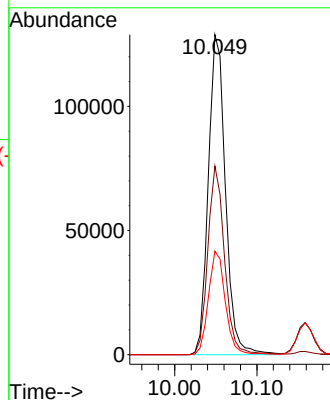
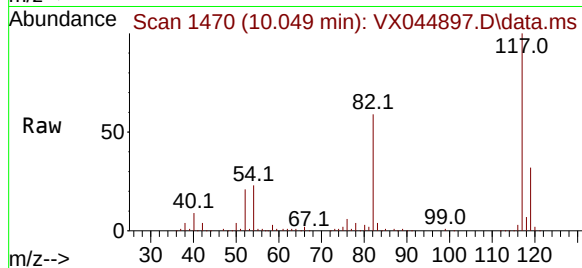
119 32.3 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#64

Tetrachloroethene

Concen: 19.978 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Tgt Ion:164 Resp: 23477

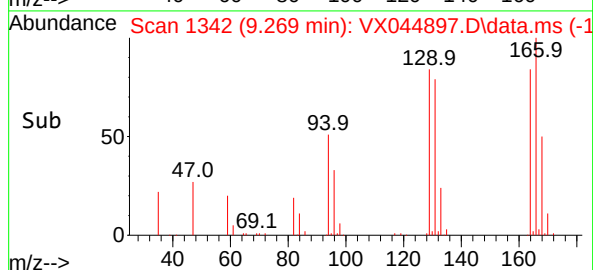
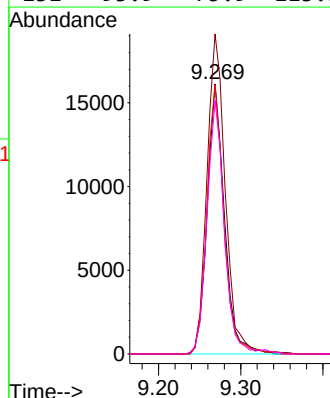
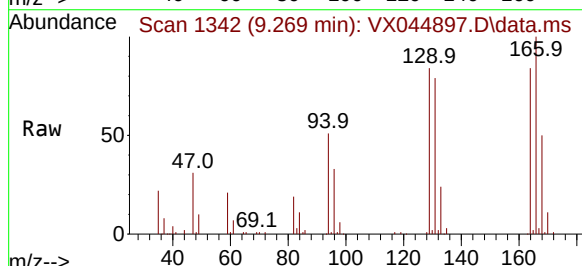
Ion Ratio Lower Upper

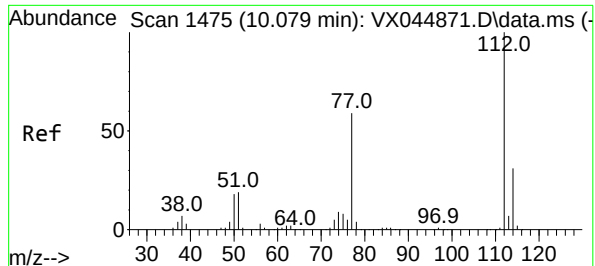
164 100

166 118.5 100.4 150.6

129 99.7 79.9 119.9

131 93.9 75.9 113.9





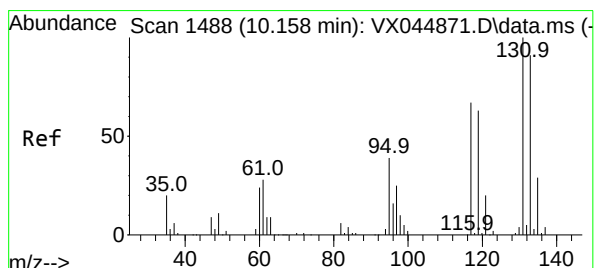
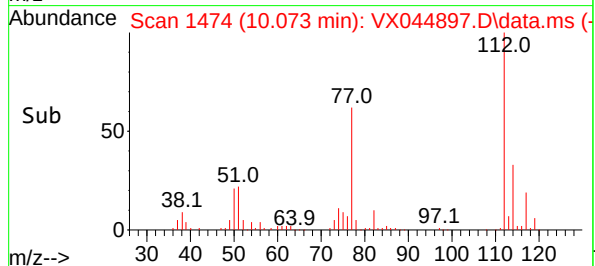
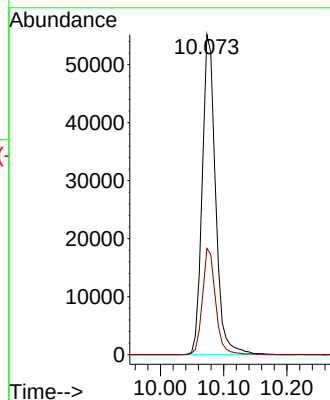
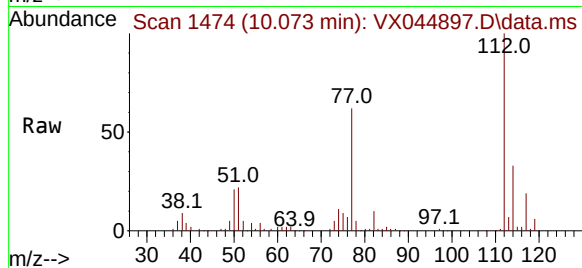
#65
Chlorobenzene
Concen: 20.314 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:112 Resp: 81300
Ion Ratio Lower Upper
112 100
114 33.2 25.0 37.6

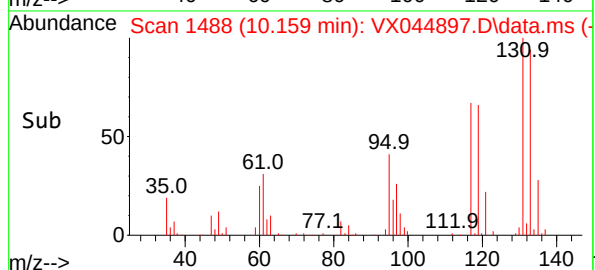
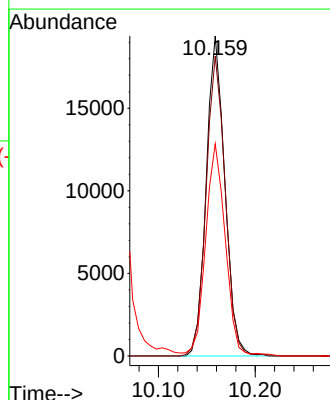
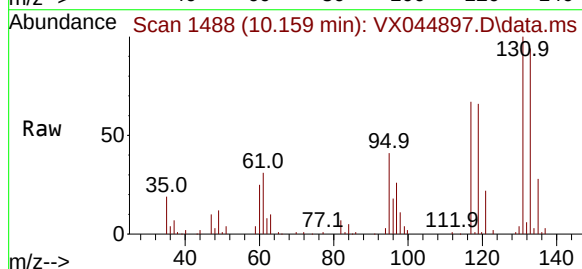
Manual Integrations
APPROVED

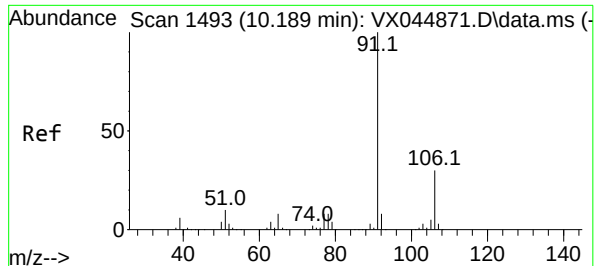
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.152 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:131 Resp: 25959
Ion Ratio Lower Upper
131 100
133 96.4 47.1 141.3
119 70.3 33.6 100.6





#67

Ethyl Benzene

Concen: 20.515 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 91 Resp: 14488

Ion Ratio Lower Upper

91 100

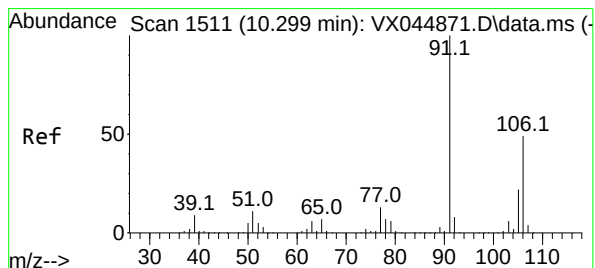
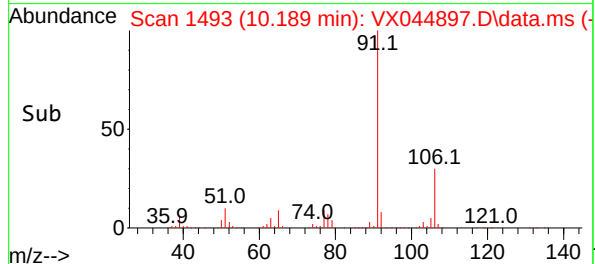
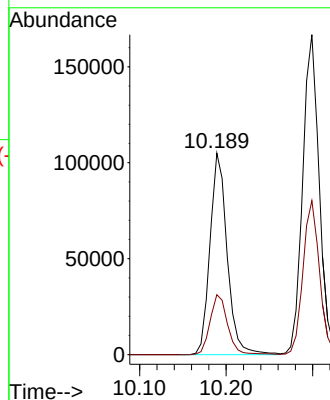
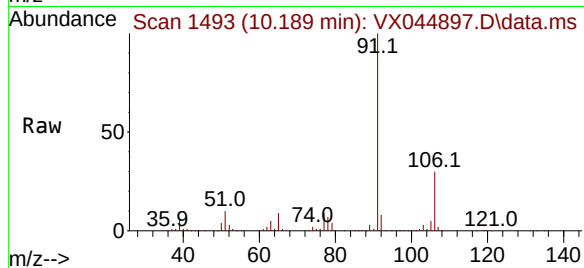
106 29.8 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#68

m/p-Xylenes

Concen: 41.738 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044897.D

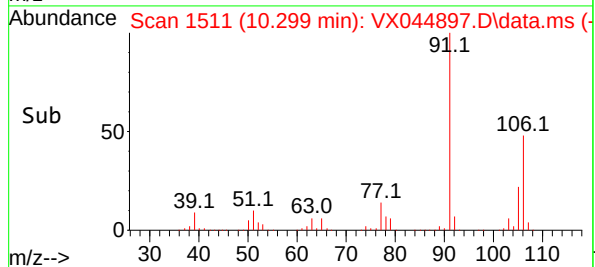
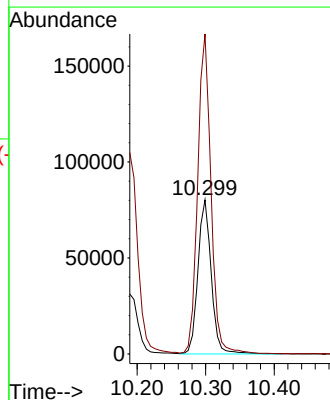
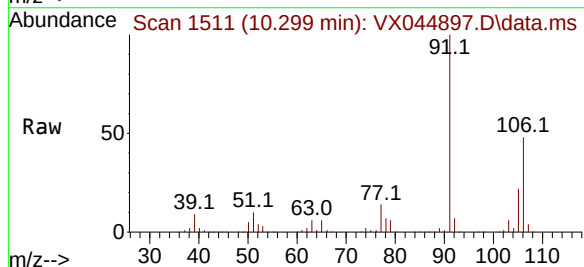
Acq: 11 Feb 2025 11:48

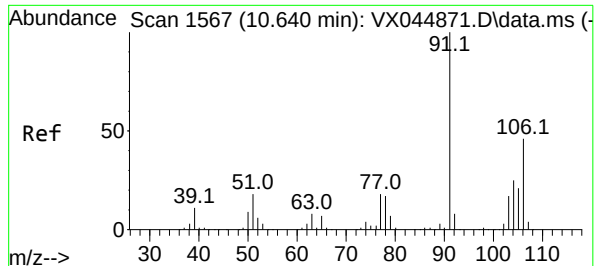
Tgt Ion:106 Resp: 108740

Ion Ratio Lower Upper

106 100

91 207.1 164.3 246.5





#69

o-Xylene

Concen: 20.464 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion:106 Resp: 53490

Ion Ratio Lower Upper

106 100

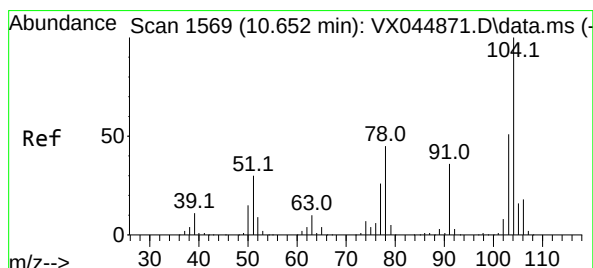
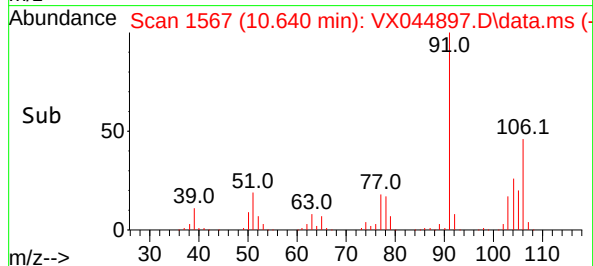
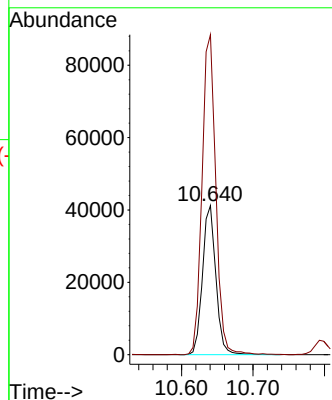
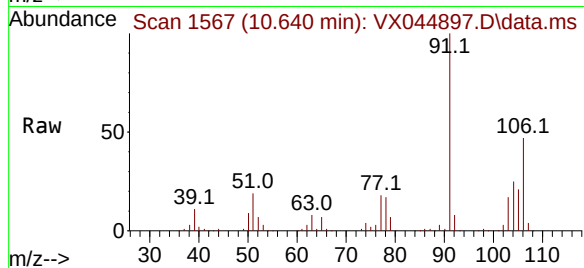
91 220.4 108.5 325.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#70

Styrene

Concen: 20.896 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

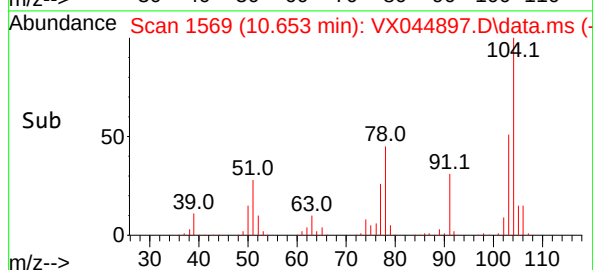
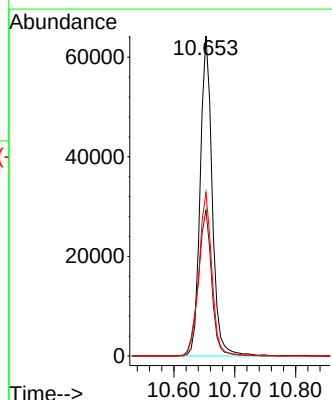
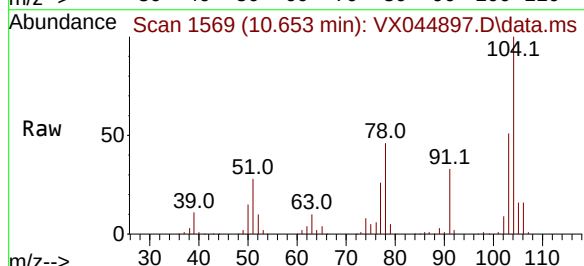
Tgt Ion:104 Resp: 88009

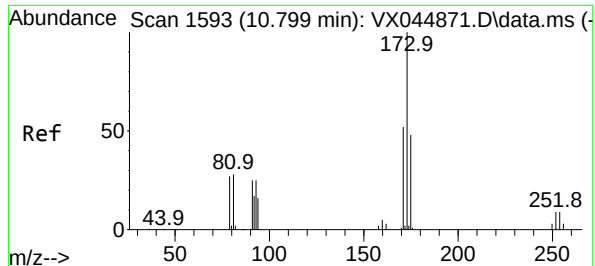
Ion Ratio Lower Upper

104 100

78 50.9 40.5 60.7

103 55.6 43.6 65.4





#71

Bromoform

Concen: 20.357 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion:173 Resp: 1957

Ion Ratio Lower Upper

173 100

175 48.8 24.3 72.8

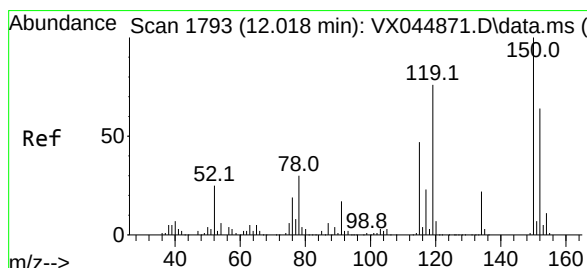
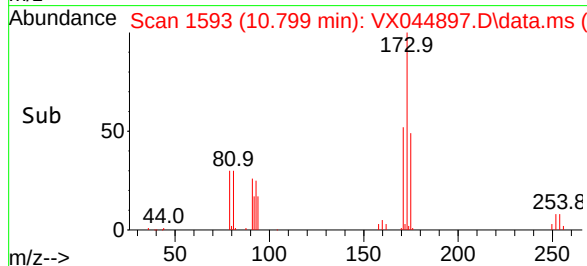
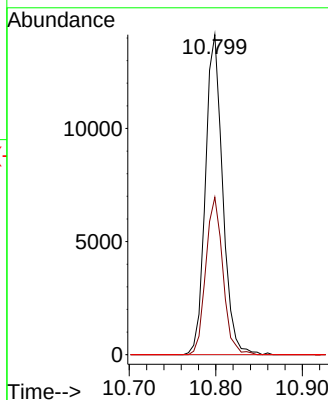
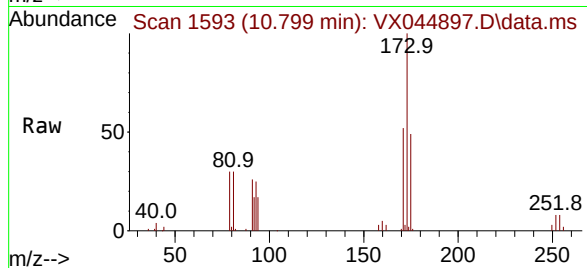
254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

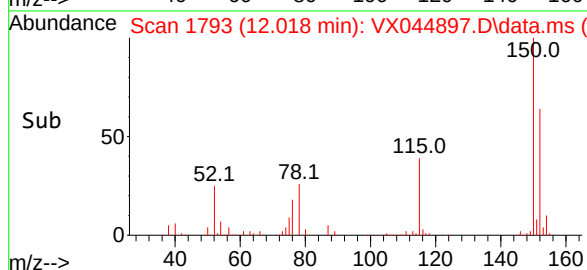
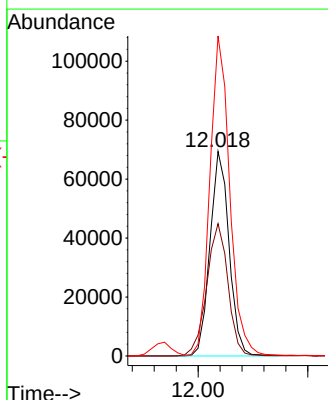
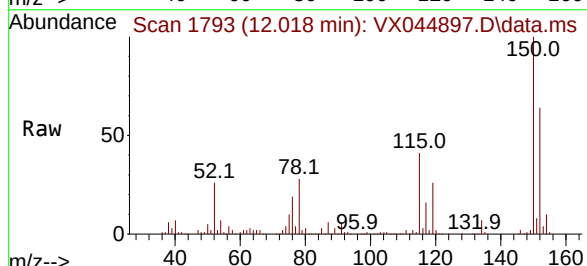
Tgt Ion:152 Resp: 83644

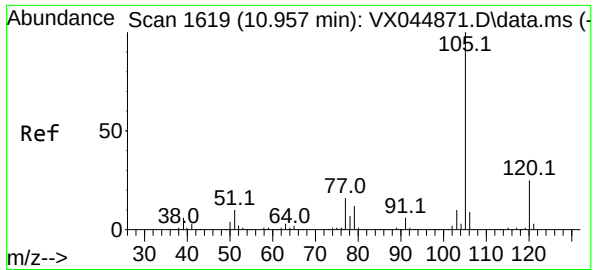
Ion Ratio Lower Upper

152 100

115 72.1 43.4 130.1

150 163.2 0.0 350.4





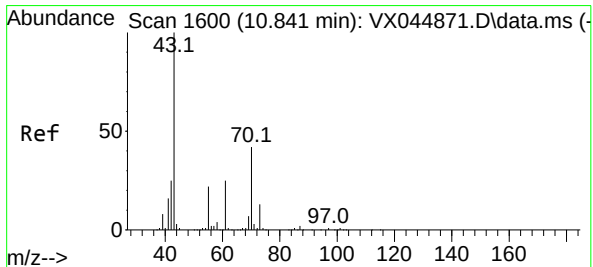
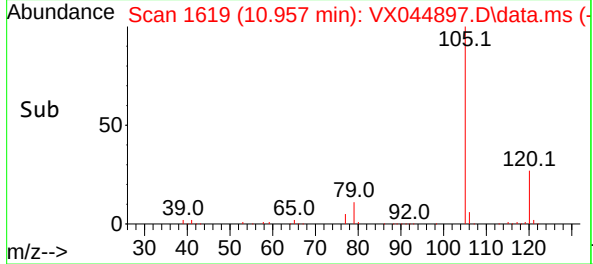
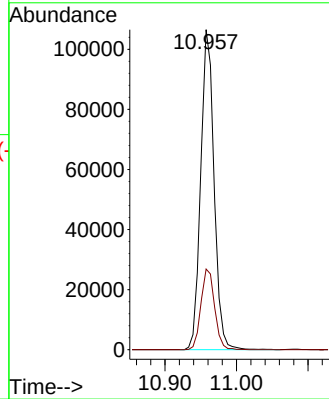
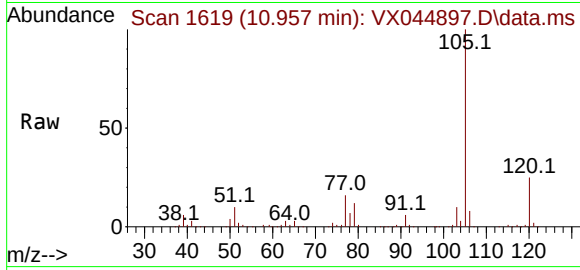
#73
Isopropylbenzene
Concen: 20.488 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:105 Resp: 137984
Ion Ratio Lower Upper
105 100
120 25.8 13.2 39.5

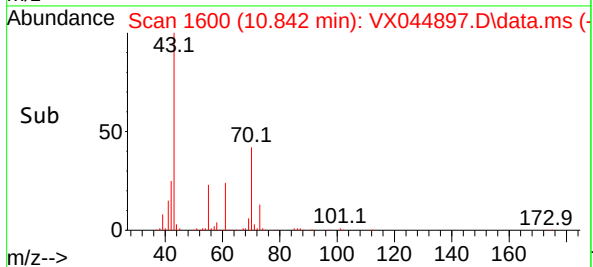
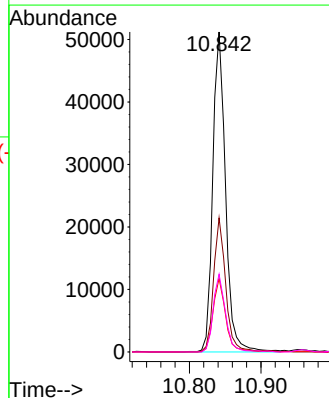
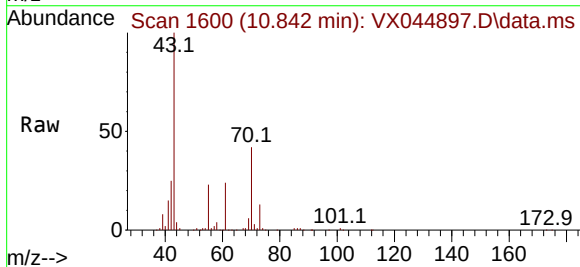
Manual Integrations
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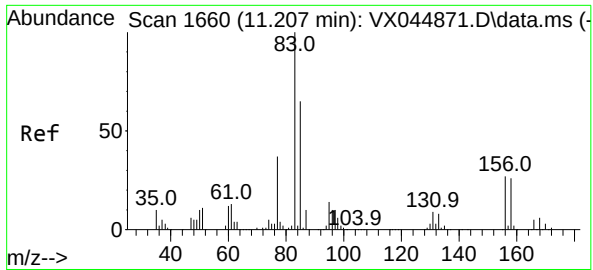
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#74
N-ethyl acetate
Concen: 20.774 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 43 Resp: 63313
Ion Ratio Lower Upper
43 100
70 40.3 33.7 50.5
55 22.5 18.6 27.8
61 23.6 19.1 28.7





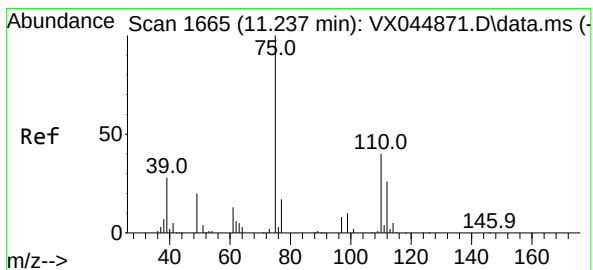
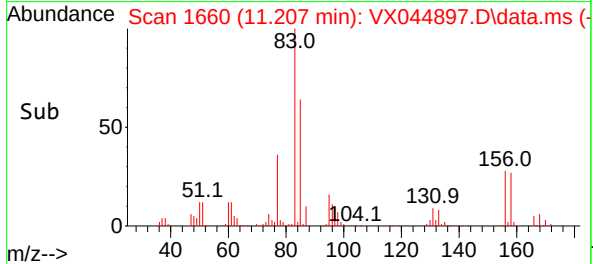
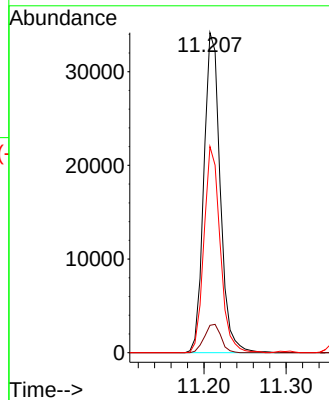
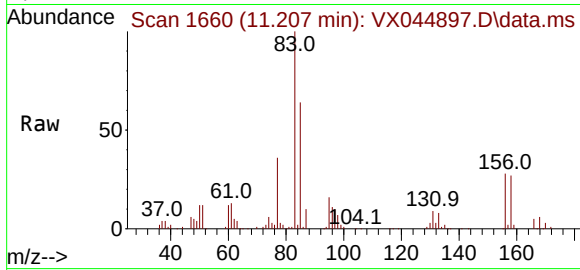
#75
1,1,2,2-Tetrachloroethane
Concen: 20.381 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion: 83 Resp: 47168
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.5
85 64.0 32.3 96.8

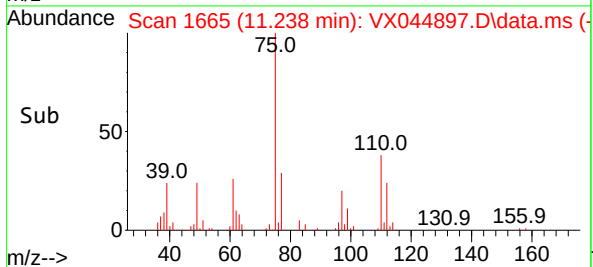
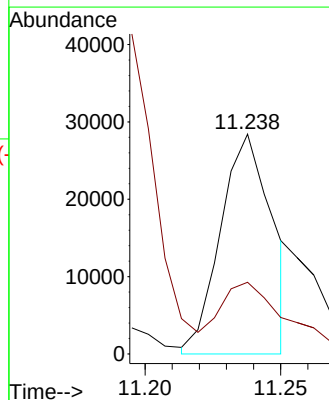
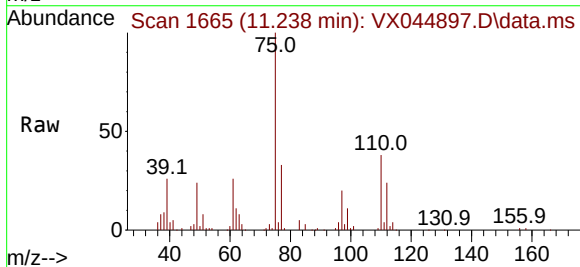
Manual Integrations
APPROVED

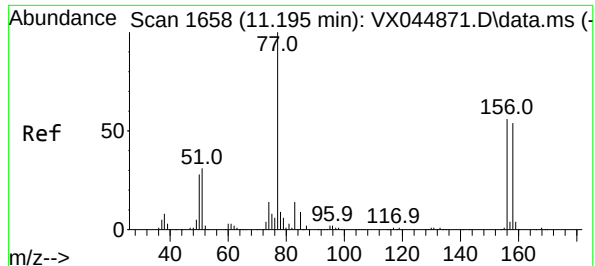
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025



#76
1,2,3-Trichloropropane
Concen: 20.169 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

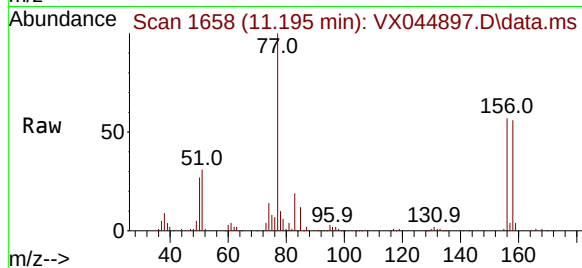
Tgt Ion: 75 Resp: 37404
Ion Ratio Lower Upper
75 100
77 43.2 21.9 65.7





#77
Bromobenzene
Concen: 20.605 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

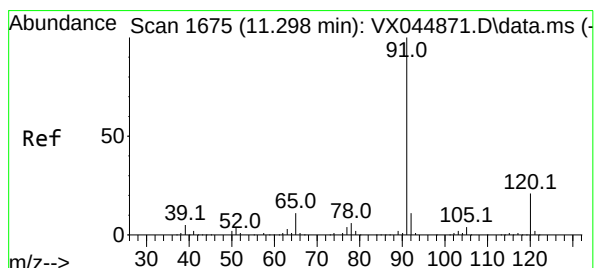
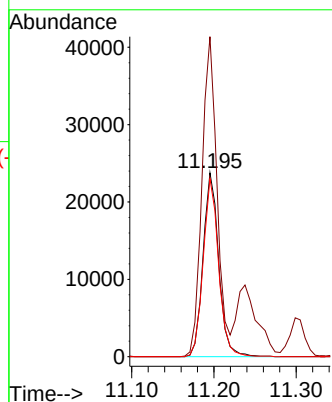
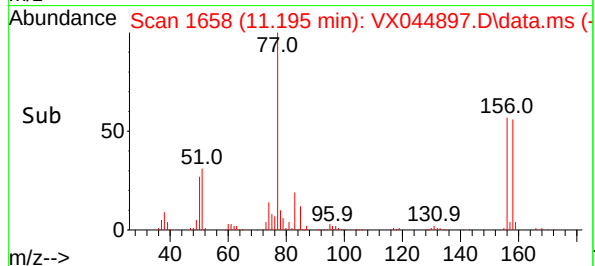
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01



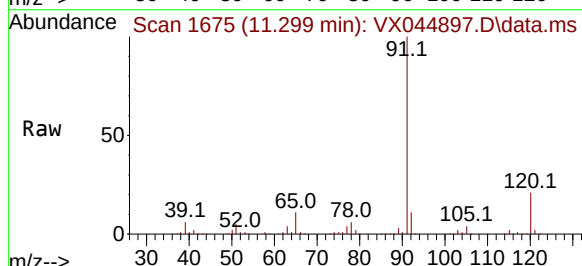
Tgt Ion:156 Resp: 31462
Ion Ratio Lower Upper
156 100
77 168.3 88.4 265.3
158 95.7 48.4 145.2

Manual Integrations
APPROVED

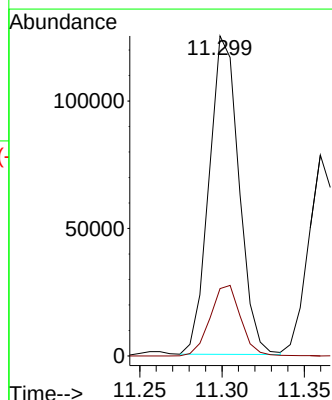
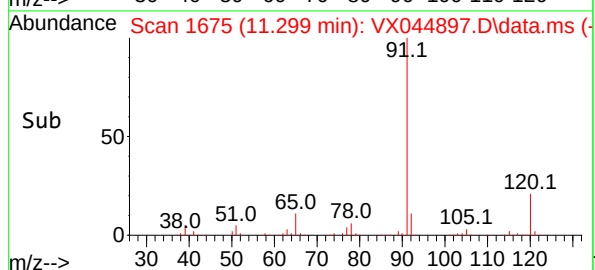
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

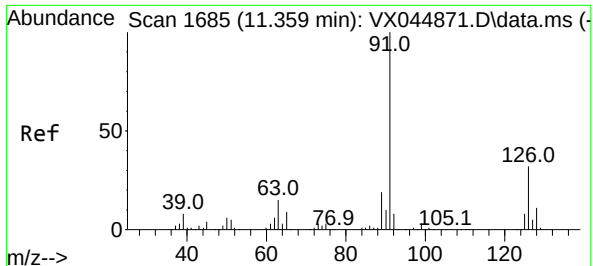


#78
n-propylbenzene
Concen: 20.300 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48



Tgt Ion: 91 Resp: 157806
Ion Ratio Lower Upper
91 100
120 22.7 11.1 33.3





#79

2-Chlorotoluene

Concen: 20.179 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 91 Resp: 96410

Ion Ratio Lower Upper

91 100

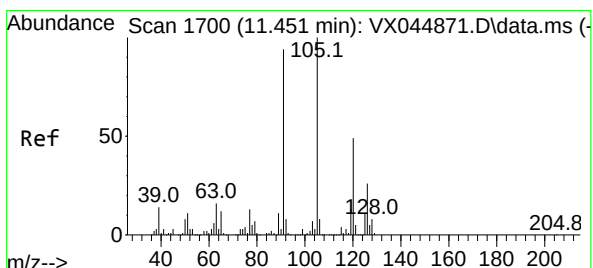
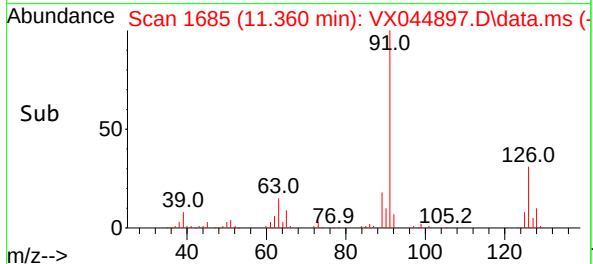
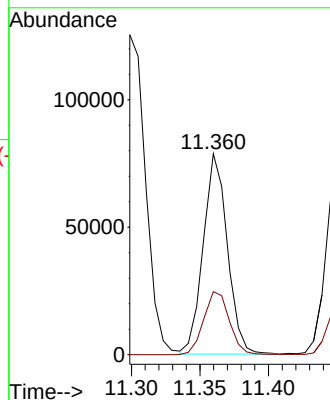
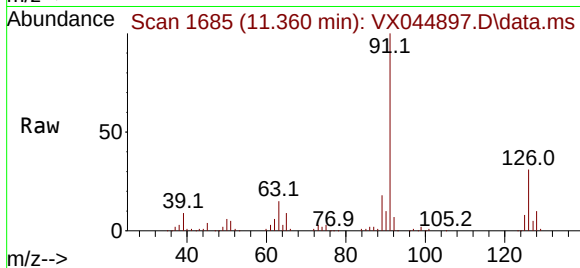
126 33.5 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.797 ug/l

RT: 11.445 min Scan# 1699

Delta R.T. -0.006 min

Lab File: VX044897.D

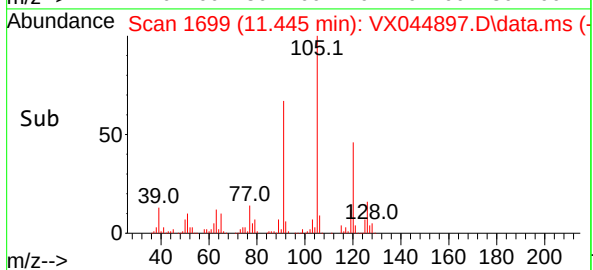
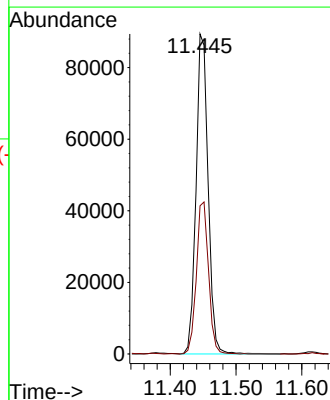
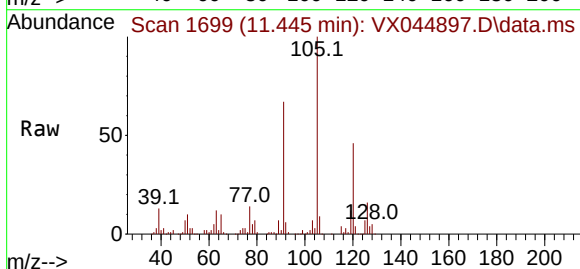
Acq: 11 Feb 2025 11:48

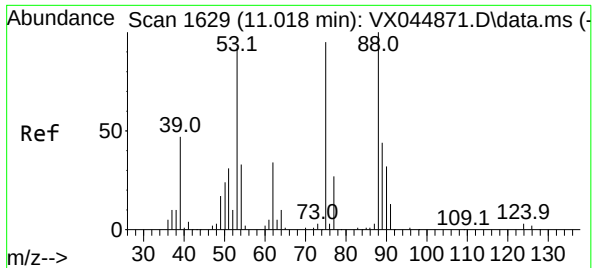
Tgt Ion:105 Resp: 113664

Ion Ratio Lower Upper

105 100

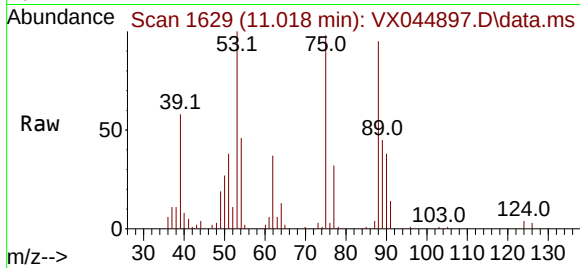
120 48.0 24.0 72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 18.351 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

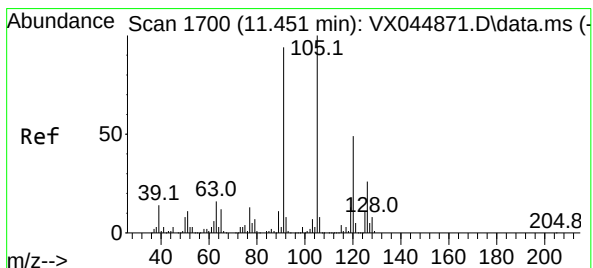
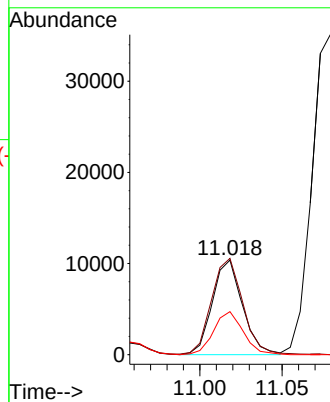
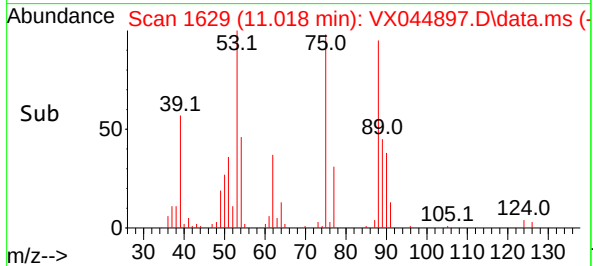
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01



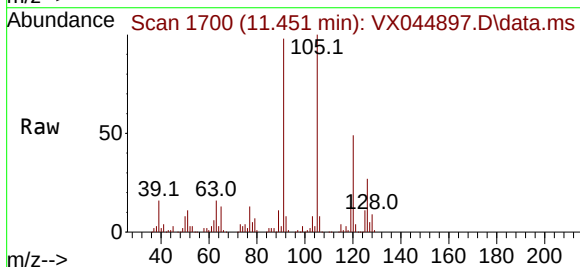
Tgt Ion: 75 Resp: 13230
Ion Ratio Lower Upper
75 100
53 106.1 78.0 117.0
89 44.8 36.6 54.8

Manual Integrations
APPROVED

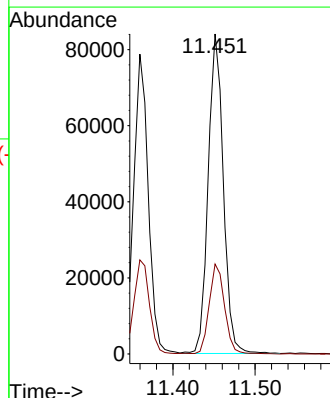
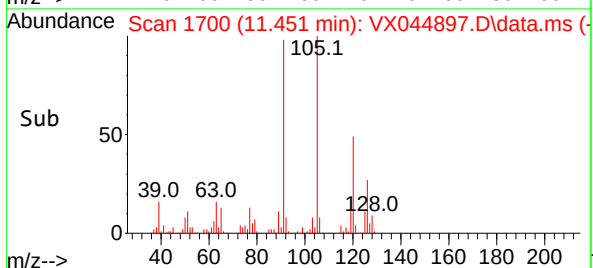
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

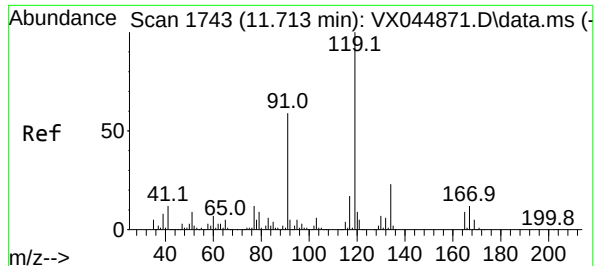


#82
4-Chlorotoluene
Concen: 20.331 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48



Tgt Ion: 91 Resp: 107461
Ion Ratio Lower Upper
91 100
126 28.5 14.2 42.6





#83

tert-Butylbenzene

Concen: 20.520 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion:119 Resp: 11345

Ion Ratio Lower Upper

119 100

91 58.0 29.1 87.4

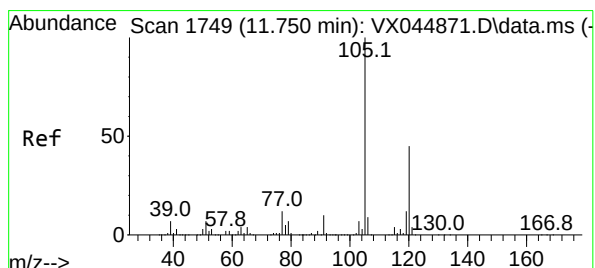
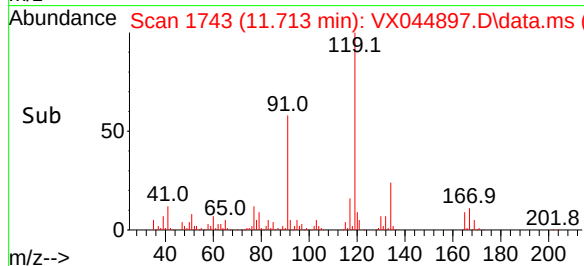
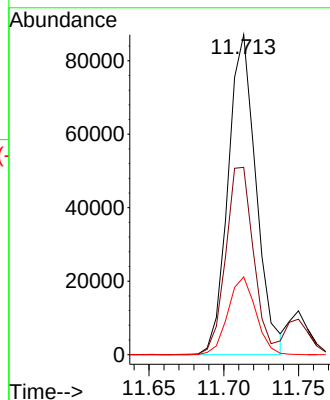
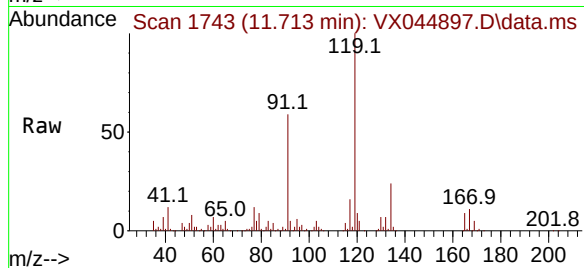
134 24.1 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#84

1,2,4-Trimethylbenzene

Concen: 20.996 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044897.D

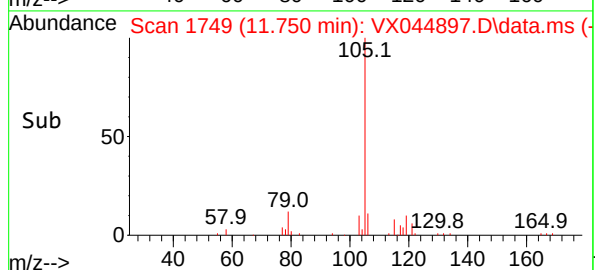
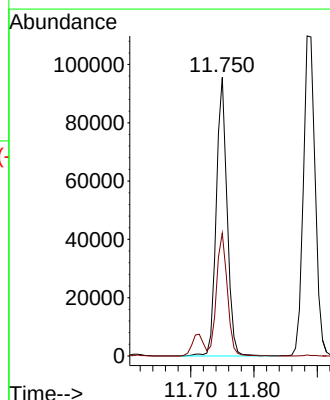
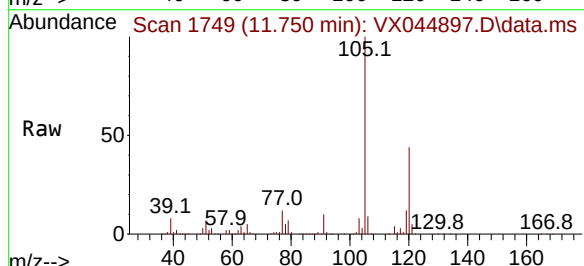
Acq: 11 Feb 2025 11:48

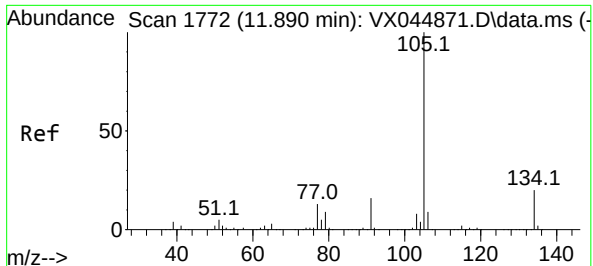
Tgt Ion:105 Resp: 113257

Ion Ratio Lower Upper

105 100

120 44.3 22.4 67.0





#85

sec-Butylbenzene

Concen: 20.693 ug/l

RT: 11.884 min Scan# 1772

Delta R.T. -0.006 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion:105 Resp: 141678

Ion Ratio Lower Upper

105 100

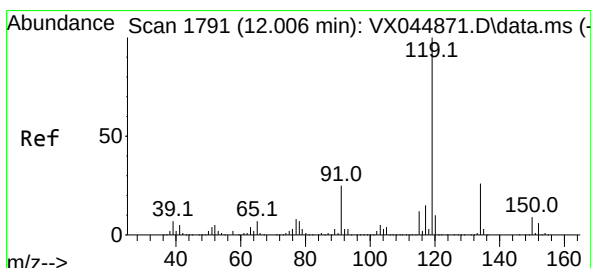
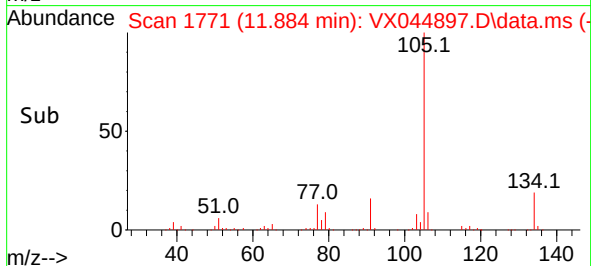
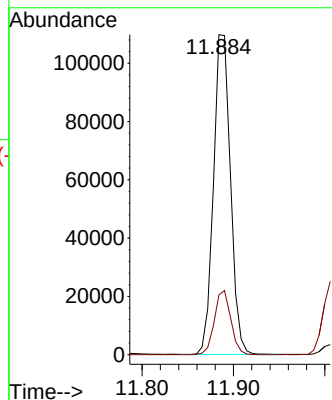
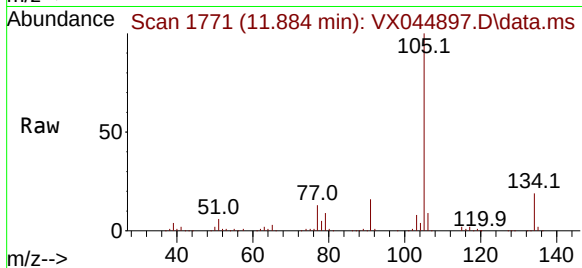
134 19.4 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#86

p-Isopropyltoluene

Concen: 21.047 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

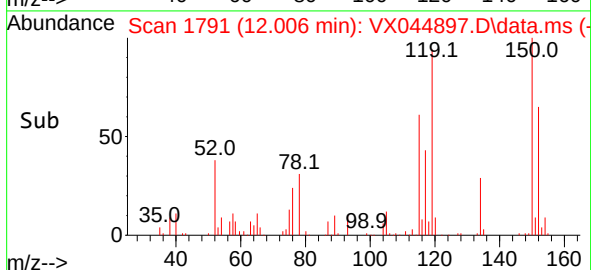
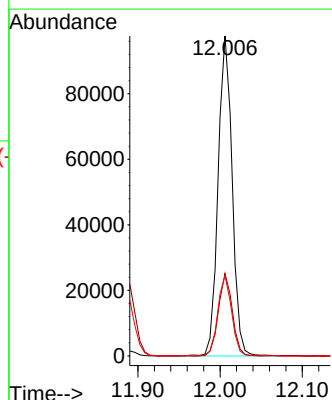
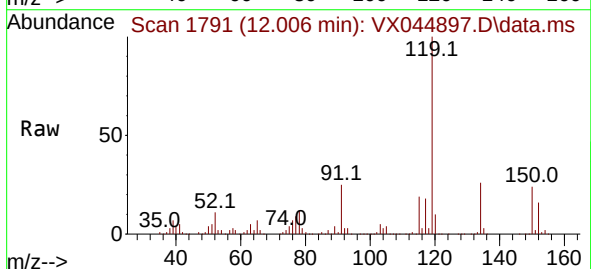
Tgt Ion:119 Resp: 115883

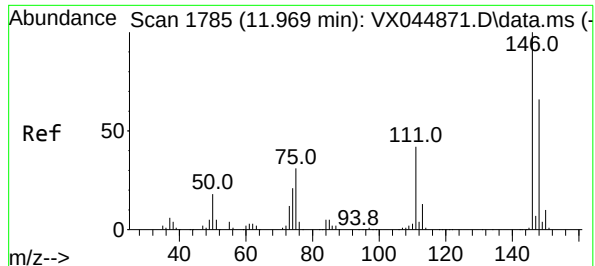
Ion Ratio Lower Upper

119 100

134 25.5 13.0 38.9

91 24.7 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 20.087 ug/l

RT: 11.963 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion:146 Resp: 5640

Ion Ratio Lower Upper

146 100

111 42.5 21.2 63.6

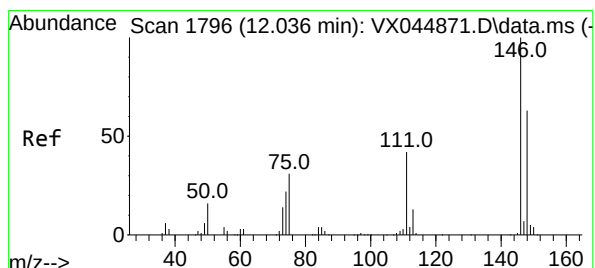
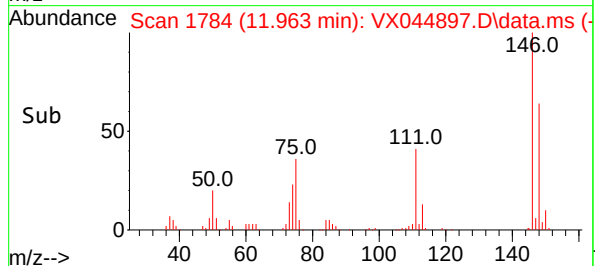
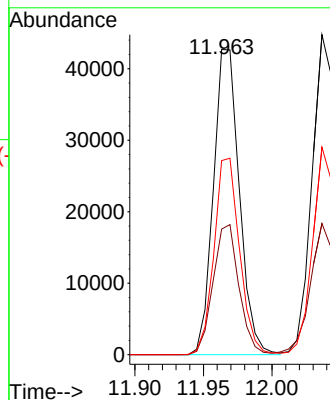
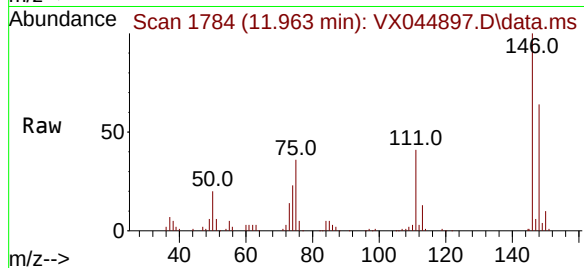
148 63.4 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#88

1,4-Dichlorobenzene

Concen: 19.998 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

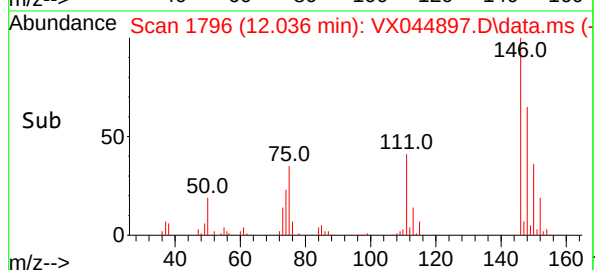
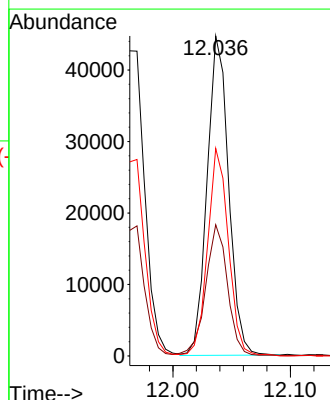
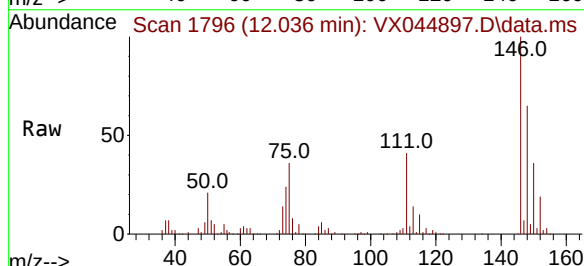
Tgt Ion:146 Resp: 56774

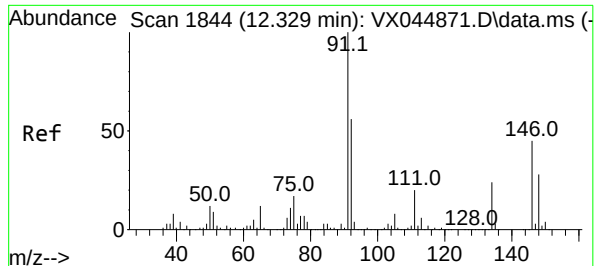
Ion Ratio Lower Upper

146 100

111 41.9 20.4 61.3

148 63.2 32.0 96.0





#89

n-Butylbenzene

Concen: 20.774 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion: 91 Resp: 101189

Ion Ratio Lower Upper

91 100

92 53.7 27.2 81.6

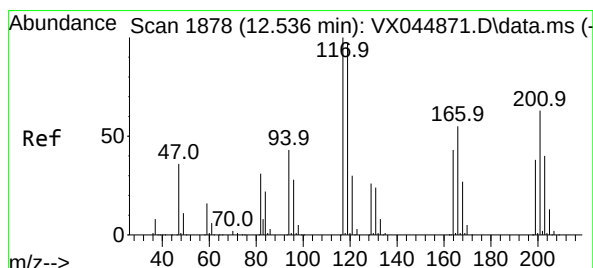
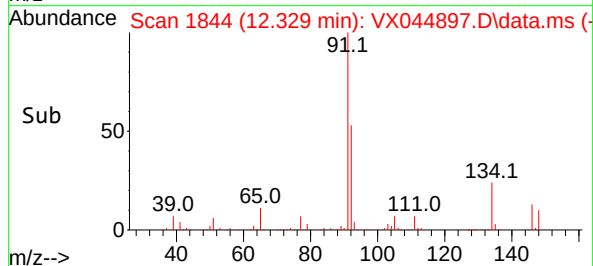
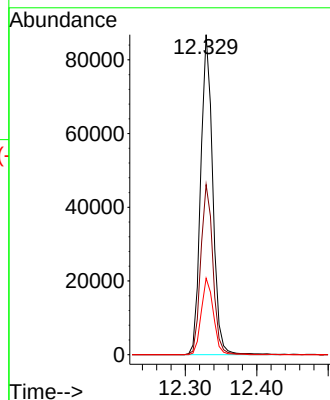
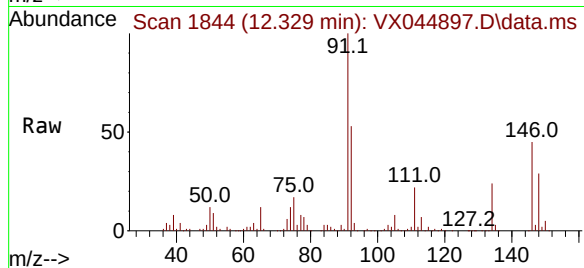
134 24.1 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#90

Hexachloroethane

Concen: 19.608 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044897.D

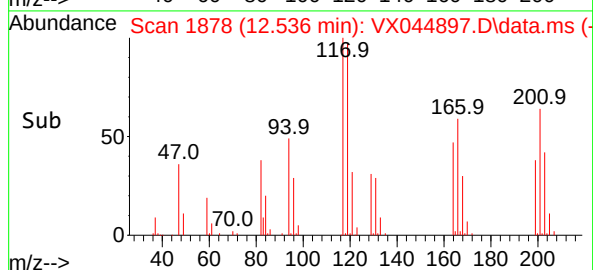
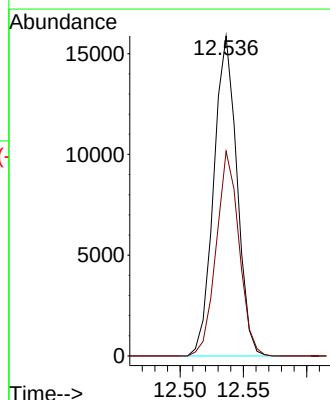
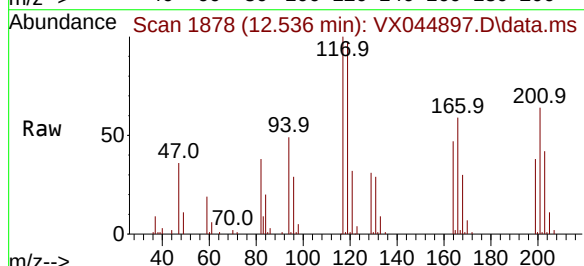
Acq: 11 Feb 2025 11:48

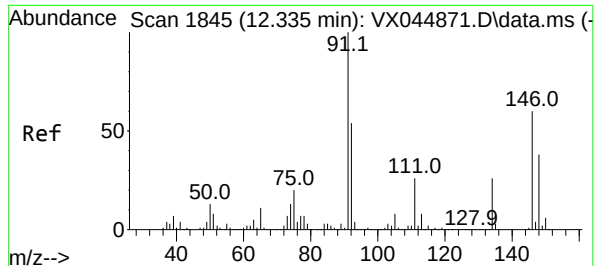
Tgt Ion:117 Resp: 20215

Ion Ratio Lower Upper

117 100

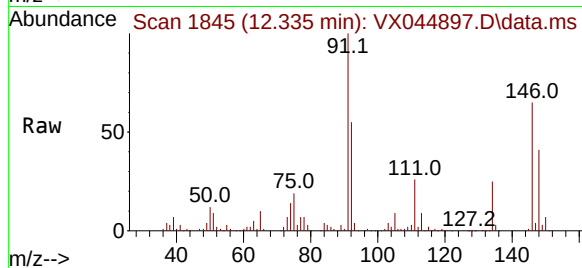
201 63.0 32.5 97.5





#91
1,2-Dichlorobenzene
Concen: 20.783 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

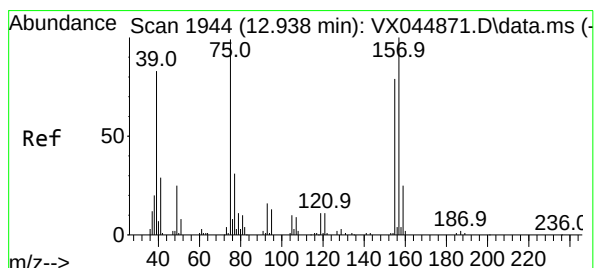
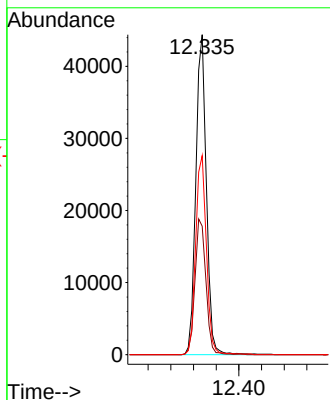
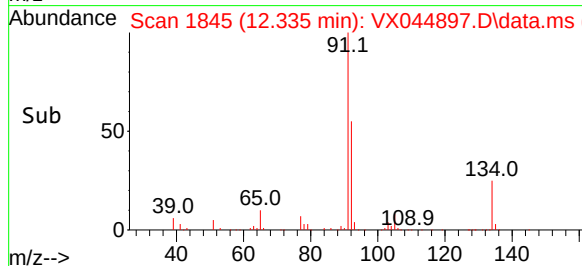
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01



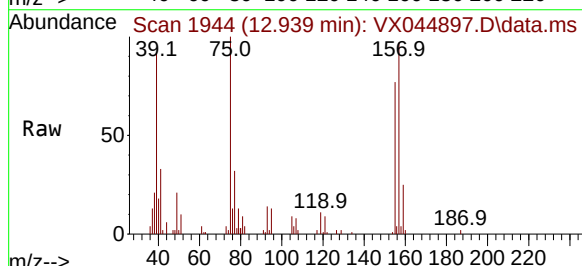
Tgt Ion:146 Resp: 5735
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.4
148 63.5 31.9 95.9

Manual Integrations
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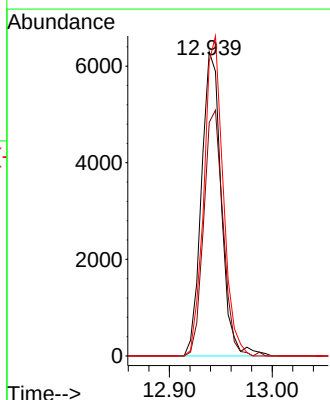
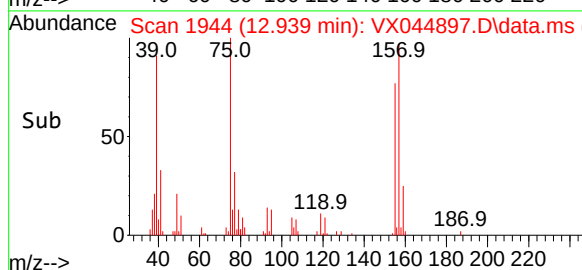
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

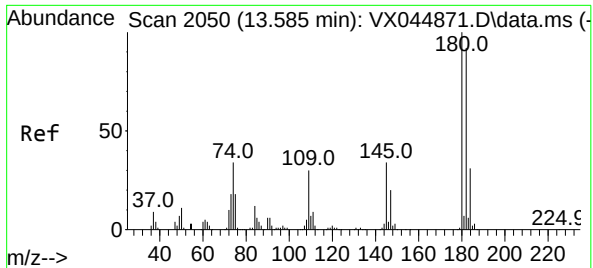


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.963 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48



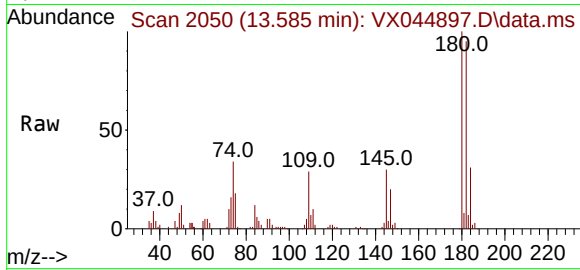
Tgt Ion: 75 Resp: 8432
Ion Ratio Lower Upper
75 100
155 79.0 40.5 121.4
157 101.6 51.4 154.3





#93
1,2,4-Trichlorobenzene
Concen: 19.913 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

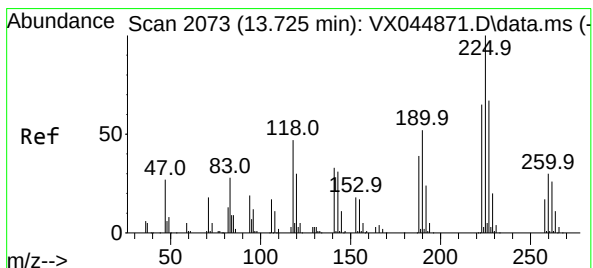
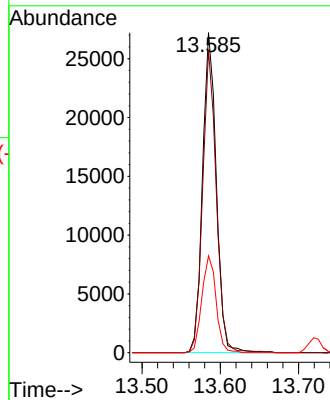
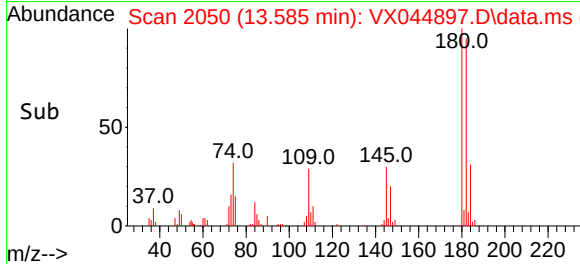
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01



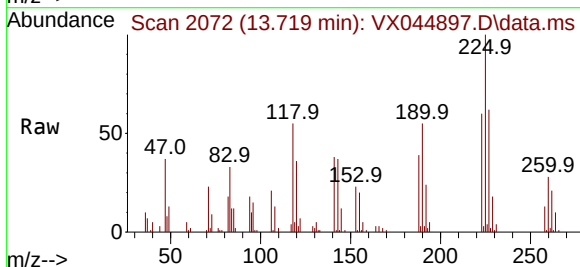
Tgt Ion:180 Resp: 3325
Ion Ratio Lower Upper
180 100
182 93.3 47.6 142.8
145 31.1 16.4 49.1

Manual Integrations
APPROVED

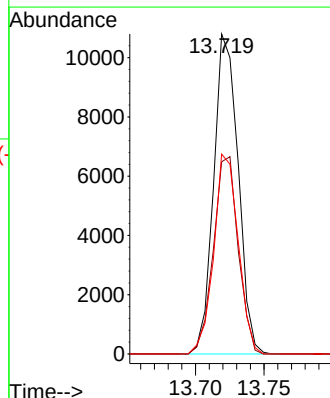
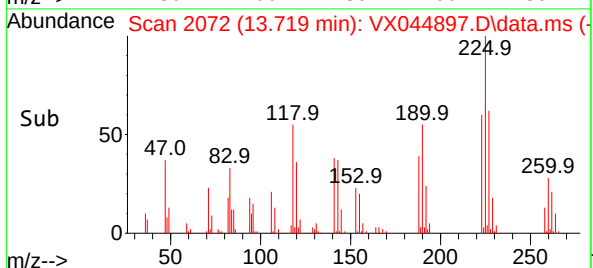
Reviewed By :John Carlone 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

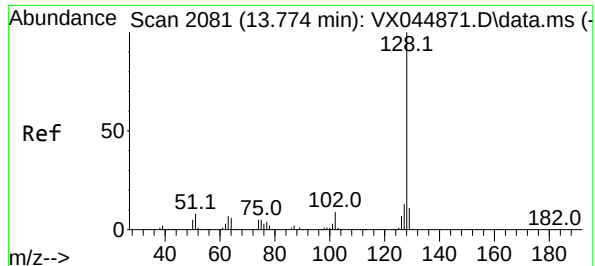


#94
Hexachlorobutadiene
Concen: 20.176 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48



Tgt Ion:225 Resp: 13375
Ion Ratio Lower Upper
225 100
223 62.6 31.4 94.2
227 62.6 32.3 96.8





#95

Naphthalene

Concen: 20.324 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

Tgt Ion:128 Resp: 12268

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

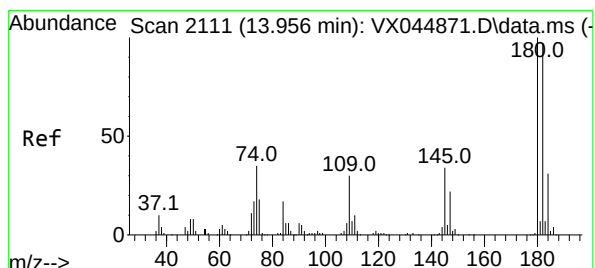
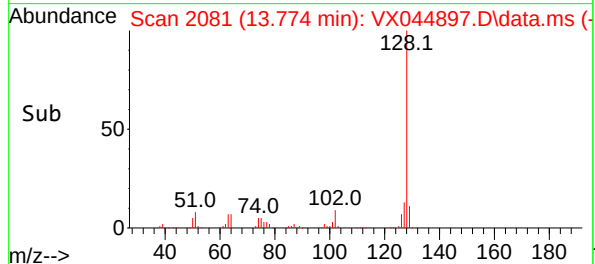
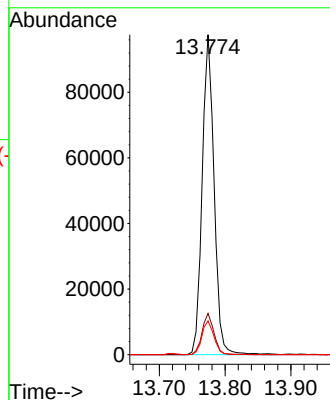
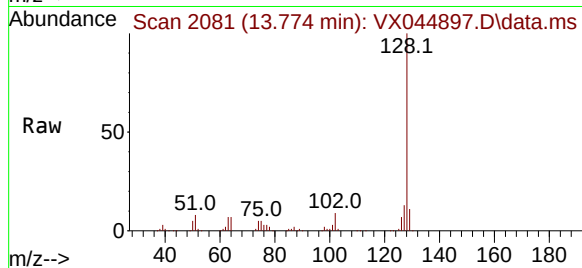
129 10.8 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#96

1,2,3-Trichlorobenzene

Concen: 20.124 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

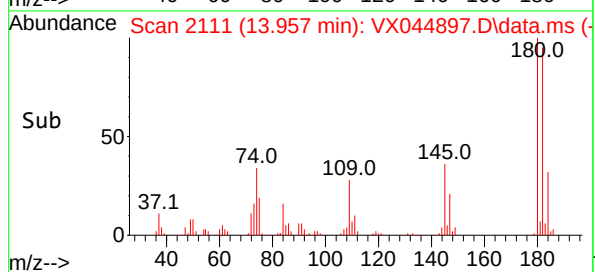
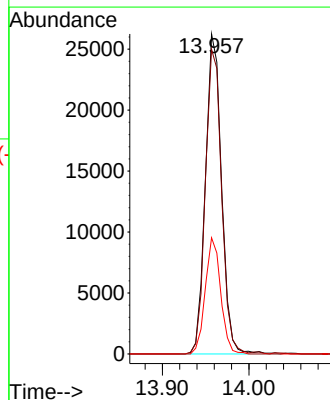
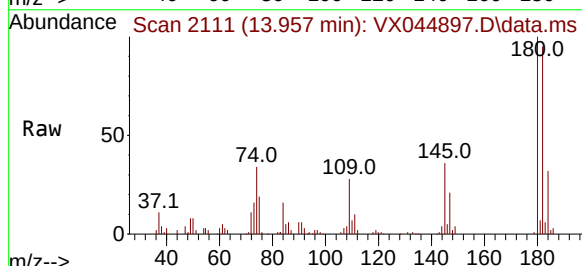
Tgt Ion:180 Resp: 33862

Ion Ratio Lower Upper

180 100

182 96.1 47.9 143.6

145 34.8 17.1 51.3



Manual Integration Report

Sequence:	VX021025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	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
VSTDICC001	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
VSTDICC001	VX044868.D	Dichlorodifluoromethane	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Ethyl Acetate	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Methacrylonitrile	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC005	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
VSTDICC005	VX044869.D	Chloroethane	JOHN	2/11/2025 9:40:57 AM	MMDadoda	2/11/2025 10:09:18 AM	Peak Integrated by Software
VSTDICC020	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
VSTDICC100	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
VSTDICC150	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



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

Manual Integration Report

Sequence:

VX021025

Instrument

MSVOA_x

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

VX021125

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044893.D	1,2,3-Trichloropropane	JOHN	2/12/2025 9:55:44 AM	MMDadoda	2/12/2025 1:02:56 PM	Peak Integrated by Software
VX0211WBS01	VX044896.D	1,2,3-Trichloropropane	JOHN	2/12/2025 9:55:49 AM	MMDadoda	2/12/2025 1:03:01 PM	Peak Integrated by Software
VX0211WBSD01	VX044897.D	1,2,3-Trichloropropane	JOHN	2/12/2025 9:55:53 AM	MMDadoda	2/12/2025 1:03:01 PM	Peak Integrated by Software
VSTDCCC050	VX044918.D	1,2,3-Trichloropropane	JOHN	2/12/2025 9:57:04 AM	MMDadoda	2/12/2025 1:03:31 PM	Peak Integrated by Software

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			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044867.D	10 Feb 2025 09:35	JC/MD	Ok
2	VSTDIC001	VX044868.D	10 Feb 2025 10:25	JC/MD	Ok,M
3	VSTDIC005	VX044869.D	10 Feb 2025 10:48	JC/MD	Ok,M
4	VSTDIC020	VX044870.D	10 Feb 2025 11:11	JC/MD	Ok,M
5	VSTDIC050	VX044871.D	10 Feb 2025 11:34	JC/MD	Ok,M
6	VSTDIC100	VX044872.D	10 Feb 2025 12:05	JC/MD	Ok,M
7	VSTDIC150	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/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			

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 # VX021125

Review By	John Carlone	Review On	2/12/2025 10:54:24 AM
Supervise By	Maresh Dadoda	Supervise On	2/12/2025 1:03:30 PM
SubDirectory	VX021125	HP Acquire Method	HP Processing Method 82X021025W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132983		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132984,VP132985		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044892.D	11 Feb 2025 08:50	JC/MD	Ok
2	VSTDCCC050	VX044893.D	11 Feb 2025 10:09	JC/MD	Ok,M
3	VX0211MBL01	VX044894.D	11 Feb 2025 10:37	JC/MD	Ok
4	VX0211WBL01	VX044895.D	11 Feb 2025 11:00	JC/MD	Ok
5	VX0211WBS01	VX044896.D	11 Feb 2025 11:23	JC/MD	Ok,M
6	VX0211WBSD01	VX044897.D	11 Feb 2025 11:48	JC/MD	Ok,M
7	Q1289-04ME	VX044898.D	11 Feb 2025 12:11	JC/MD	Not Ok
8	VX0211MBS01	VX044899.D	11 Feb 2025 12:34	JC/MD	Ok,M
9	Q1283-01	VX044900.D	11 Feb 2025 12:57	JC/MD	Ok
10	Q1283-02	VX044901.D	11 Feb 2025 13:20	JC/MD	Ok
11	Q1283-03	VX044902.D	11 Feb 2025 13:43	JC/MD	Ok
12	Q1283-04	VX044903.D	11 Feb 2025 14:06	JC/MD	Ok
13	Q1283-05	VX044904.D	11 Feb 2025 14:29	JC/MD	Ok
14	Q1332-01DL	VX044905.D	11 Feb 2025 14:52	JC/MD	Ok
15	Q1293-01	VX044906.D	11 Feb 2025 15:15	JC/MD	Ok,M
16	Q1348-01	VX044907.D	11 Feb 2025 15:38	JC/MD	Not Ok
17	Q1349-01	VX044908.D	11 Feb 2025 16:01	JC/MD	Not Ok
18	Q1327-01	VX044909.D	11 Feb 2025 16:24	JC/MD	Ok
19	Q1327-02	VX044910.D	11 Feb 2025 16:46	JC/MD	Ok
20	Q1327-03	VX044911.D	11 Feb 2025 17:09	JC/MD	Ok
21	Q1327-04	VX044912.D	11 Feb 2025 17:33	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX021125

Review By	John Carlone	Review On	2/12/2025 10:54:24 AM
Supervise By	Maresh Dadoda	Supervise On	2/12/2025 1:03:30 PM
SubDirectory	VX021125	HP Acquire Method	HP Processing Method 82X021025W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132983		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132984,VP132985		

22	Q1327-05	VX044913.D	11 Feb 2025 17:56	JC/MD	Ok
23	Q1327-06	VX044914.D	11 Feb 2025 18:19	JC/MD	Ok
24	Q1327-09	VX044915.D	11 Feb 2025 18:42	JC/MD	Ok
25	Q1327-08	VX044916.D	11 Feb 2025 19:05	JC/MD	Ok
26	Q1327-07	VX044917.D	11 Feb 2025 19:28	JC/MD	Ok
27	VSTDCCC050	VX044918.D	11 Feb 2025 19:50	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	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	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044867.D	10 Feb 2025 09:35		JC/MD	Ok
2	VSTDIC001	VSTDIC001	VX044868.D	10 Feb 2025 10:25		JC/MD	Ok,M
3	VSTDIC005	VSTDIC005	VX044869.D	10 Feb 2025 10:48		JC/MD	Ok,M
4	VSTDIC020	VSTDIC020	VX044870.D	10 Feb 2025 11:11		JC/MD	Ok,M
5	VSTDIC050	VSTDIC050	VX044871.D	10 Feb 2025 11:34		JC/MD	Ok,M
6	VSTDIC100	VSTDIC100	VX044872.D	10 Feb 2025 12:05		JC/MD	Ok,M
7	VSTDIC150	VSTDIC150	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 # VX021125

Review By	John Carlone	Review On	2/12/2025 10:54:24 AM
Supervise By	Maresh Dadoda	Supervise On	2/12/2025 1:03:30 PM
SubDirectory	VX021125	HP Acquire Method	HP Processing Method 82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP132983
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132984,VP132985

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044892.D	11 Feb 2025 08:50		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044893.D	11 Feb 2025 10:09	V13516	JC/MD	Ok,M
3	VX0211MBL01	VX0211MBL01	VX044894.D	11 Feb 2025 10:37		JC/MD	Ok
4	VX0211WBL01	VX0211WBL01	VX044895.D	11 Feb 2025 11:00		JC/MD	Ok
5	VX0211WBS01	VX0211WBS01	VX044896.D	11 Feb 2025 11:23		JC/MD	Ok,M
6	VX0211WBSD01	VX0211WBSD01	VX044897.D	11 Feb 2025 11:48		JC/MD	Ok,M
7	Q1289-04ME	FL-DRUMS-BME	VX044898.D	11 Feb 2025 12:11	Over diluted	JC/MD	Not Ok
8	VX0211MBS01	VX0211MBS01	VX044899.D	11 Feb 2025 12:34		JC/MD	Ok,M
9	Q1283-01	VPB-192-HYD-2025013	VX044900.D	11 Feb 2025 12:57	vial A pH<2	JC/MD	Ok
10	Q1283-02	BP-VPB-192-TB-20250	VX044901.D	11 Feb 2025 13:20	vial A pH<2 TB	JC/MD	Ok
11	Q1283-03	BP-VPB-192-EB-20250	VX044902.D	11 Feb 2025 13:43	vial A pH<2 EB	JC/MD	Ok
12	Q1283-04	BP-VPB-192-GW-480-4	VX044903.D	11 Feb 2025 14:06	vial A pH<2	JC/MD	Ok
13	Q1283-05	BP-VPB-192-GW-500-5	VX044904.D	11 Feb 2025 14:29	vial A pH<2	JC/MD	Ok
14	Q1332-01DL	MW1DL	VX044905.D	11 Feb 2025 14:52	vial B pH<2	JC/MD	Ok
15	Q1293-01	NWB-2123	VX044906.D	11 Feb 2025 15:15	vial A pH<2	JC/MD	Ok,M
16	Q1348-01	TWP-1-WC	VX044907.D	11 Feb 2025 15:38	Need Straight Run	JC/MD	Not Ok
17	Q1349-01	TWP-1-PERMIT	VX044908.D	11 Feb 2025 16:01	Need Straight Run	JC/MD	Not Ok
18	Q1327-01	VPB192-HYD-2025020	VX044909.D	11 Feb 2025 16:24	vial A pH<2	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX021125

Review By	John Carlone	Review On	2/12/2025 10:54:24 AM
Supervise By	Maresh Dadoda	Supervise On	2/12/2025 1:03:30 PM
SubDirectory	VX021125	HP Acquire Method	HP Processing Method 82X021025W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132983		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132984,VP132985		

19	Q1327-02	BP-VPB-192-TB-20250	VX044910.D	11 Feb 2025 16:46	vial A pH<2 TB	JC/MD	Ok
20	Q1327-03	BP-VPB-192-DUP-2025	VX044911.D	11 Feb 2025 17:09	vial A pH<2	JC/MD	Ok
21	Q1327-04	BP-VPB-192-GW-520-5	VX044912.D	11 Feb 2025 17:33	vial A pH<2	JC/MD	Ok
22	Q1327-05	BP-VPB-192-GW-540-5	VX044913.D	11 Feb 2025 17:56	vial A pH<2	JC/MD	Ok
23	Q1327-06	BP-VPB-192-GW-560-5	VX044914.D	11 Feb 2025 18:19	vial A pH<2	JC/MD	Ok
24	Q1327-09	BP-VPB-192-GW-625-6	VX044915.D	11 Feb 2025 18:42	vial A pH<2	JC/MD	Ok
25	Q1327-08	BP-VPB-192-GW-600-6	VX044916.D	11 Feb 2025 19:05	vial A+B pH<2	JC/MD	Ok
26	Q1327-07	BP-VPB-192-GW-580-5	VX044917.D	11 Feb 2025 19:28	vial A+B+C+D pH<2	JC/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VX044918.D	11 Feb 2025 19:50		JC/MD	Ok,M

M : Manual Integration

Prep Standard - Chemical Standard Summary

Order ID : Q1327

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VX021125,

Standard ID :

VP130430,VP131746,VP131767,VP132035,VP132096,VP132613,VP132983,VP132984,VP132985,

Chemical ID :

V13391,V13446,V13457,V13460,V13465,V13466,V13707,V14145,V14154,V14175,V14176,V14289,V14433,V14439,V14521,V14522,V14614,V14624,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14754,V14756,V14801,V14814,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



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024
<u>FROM</u> 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								

<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	Mahesh Dadoda 01/29/2025
<u>FROM</u>	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							

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	VP132983	02/11/2025	02/12/2025	John Carlone	None	None	Maresh Dadoda
								02/13/2025

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	VP132984	02/11/2025	02/12/2025	John Carlone	None	None	Maresh Dadoda
								02/13/2025

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 = Final Quantity: 40.000 ml

[illegible]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13457

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13460

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	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 #
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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14176

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	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

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	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

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	V14630

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

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	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14724

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	V14814

LOTS

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

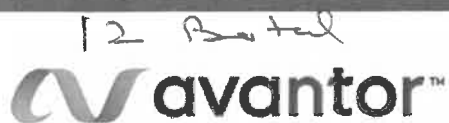
Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	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



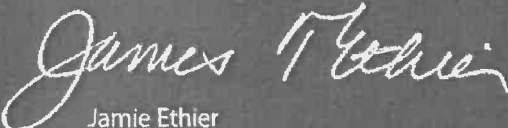
Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

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

CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **021624**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): **Methanol**
Lot#: **EG359-USQ12**

Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty: **5E-05** Flask Uncertainty: **0.021**

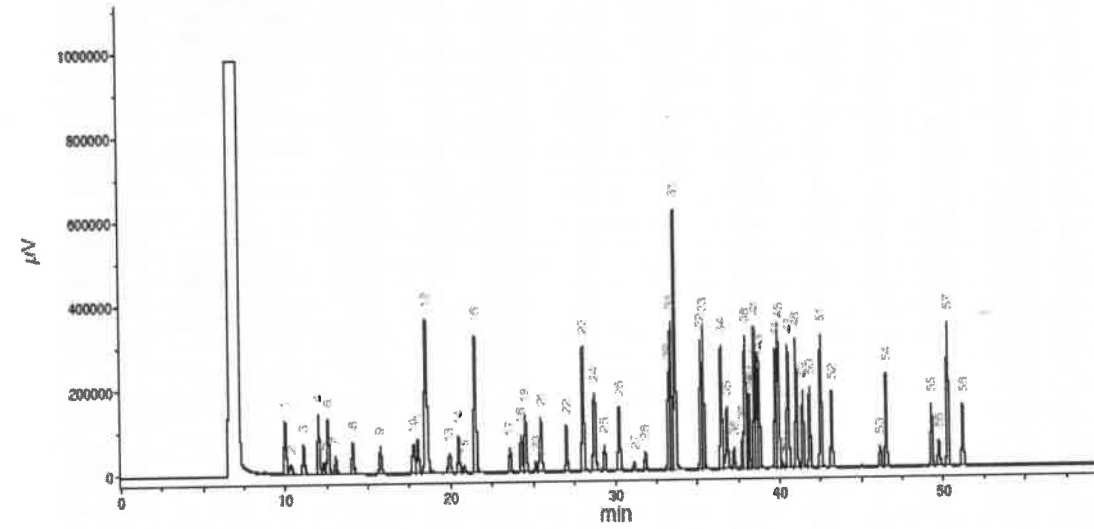
Formulated By: <i>Prashant Chauhan</i>		021624
Reviewed By: <i>Pedro L. Rentes</i>		021624
		DATE

Compound	(RM#)	Lot Number	Di. Factor	Initial Vol. (mL)	Initial Conc. (µg/mL)	Nominal Conc. (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc. (µg/mL)	Expanded Uncertainty (±) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
														CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102395	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg
3. Carbon 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 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 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)	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 780mg/kg
14. 2-Nitropropane	(0461)	14002JK	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	or-rat 7200mg/kg
15. Perfluorooctane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7800mg/m3/8H)	or-rat 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 910mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 840mg/kg
19. cis-1,2-Dichloroethane	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	156-60-5	N/A	or-rat 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 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	20002.0	2000	NA	NA	0.042	NA	NA	1999.8	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	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 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	80 ppm (270mg/m3/8H)	or-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	1999.7	22.9	99-87-6	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
51. Styrene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-98-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	or-rat 1390mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	N/A	or-rat 5g/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-67-8	N/A	or-rat 5000mg/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	or-rat 2240mg/kg
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	541-73-1	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	96-46-7	78 ppm (450mg/m3/8H)	or-rat 900mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.7	23.0	108-65-1	50 ppm (245mg/m3/8H)	or-rat 1400mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-46-7	78 ppm (450mg/m3/8H)	or-r

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.24
11	cis-1,2-Dichloroethane	18.00
12	Methacrylonitrile/methyl acrylate/Chloroform	18.46
13	Isobutane/1,1,1-Trichloroethane	19.01
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethane	23.58
18	1,2-Dichloropropane	24.38
19	Methyl methacrylate	24.52
20	Bromochloromethane	25.13
21	Dibromomethane/2-Hitropropane	25.46
22	cis-1,3-Dichloropropane	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropane	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromomethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.39
34	Isopropylbenzene/Bromoforn	36.18
35	cis-1,4-Dichloro-3-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-3-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.74
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection. Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **021624**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): **Methanol**
Lot#: **EG359-USQ12**

Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty: **5E-05** Flask Uncertainty: **0.021**

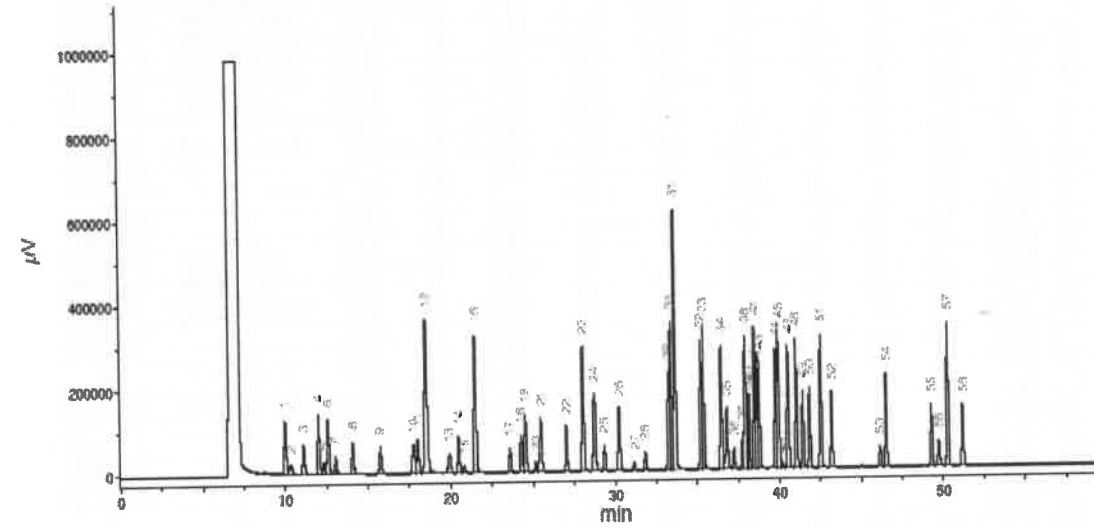
		021624
Formulated By:	Prashant Chauhan	DATE
		021624
Reviewed By:	Pedro L. Rentes	DATE

Compound	(RM#)	Lot	Di.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information		
	Part Number	Number	Factor	Vol. (mL)	Conc. (µg/mL)	Conc. (µg/mL)	(%)	Uncertainty	Pipette (mL)	Weight(g)	Weight(g)	Conc (µg/mL)	(+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8h)	or-rat 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102395	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8h)	or-rat 700mg/kg
3. Carbon 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 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)	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	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8h)	or-rat 720mg/kg
15. Perfluorooctane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7800mg/m3/8h)	or-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 840mg/kg
19. cis-1,2-Dichloroethane	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	or-rat 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	74-95-3	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. Trichloroethane	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) (final)	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	40051.0	2000	NA	NA	0.017	NA	NA	2000.2	22.9	107-06-2	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	22.9	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	2000.4	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	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 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8h)	or-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	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	100-41-4	100 ppm (435mg/m3/8h)	or-rat >2000mg/kg
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	99-87-6	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8h)	or-rat 490mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
51. Styrene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	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. 1,2,4,5-Trichlorobenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-67-8	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	1999.6	22.9	108-90-7	75 ppm (350mg/m3/8h)	or-rat 2290mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8h)	or-rat 3900mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.8	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	10192														

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.24
11	cis-1,2-Dichloroethane	18.00
12	Methacrylonitrile/methyl acrylate/Chloroform	18.46
13	Isobutane/1,1,1-Trichloroethane	19.01
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethane	23.58
18	1,2-Dichloropropane	24.38
19	Methyl methacrylate	24.52
20	Bromochloromethane	25.13
21	Dibromomethane/2-Hitroprene	25.46
22	cis-1,3-Dichloropropane	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropane	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromomethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.39
34	Isopropylbenzene/Bromofonn	36.18
35	cis-1,4-Dichloro-3-butene	36.48
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-3-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.74
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection. Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM

Dec 09/17/24

2 vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **091424**
Description: **Acrolein**Solvent(s):
Water Lot#
072324Q

<i>Justin Dippold</i>		091424
Formulated By:	Justin Dippold	DATE
<i>Pedro L. Rentas</i>		091424
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 101424

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

Abundance TIC: [BSB2]79005.D

Abundance Scan 232 (8.927 min): [BSB2]79005.D

250000 8.93

200000

150000

100000

50000

Time--> 0

10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00



m/z--> 0

20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM

Dec 09/17/24

2 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **091424**
Description: **Acrolein**Solvent(s):
Water Lot#
072324QExpiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTBWeight(s) shown below were combined and diluted to (mL): 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

<i>Justin Dippold</i>		091424
Formulated By:	Justin Dippold	DATE
<i>Pedro L. Rentas</i>		091424
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

Abundance TIC: [BSB2]79005.D

Abundance

Scan 232 (8.927 min): [BSB2]79005.D

250000 8.93

200000

150000

100000

50000

Time--> 0

10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00



m/z--> 0

20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

See 1216124
20 vial
✓ 14630 to
✓ 14649

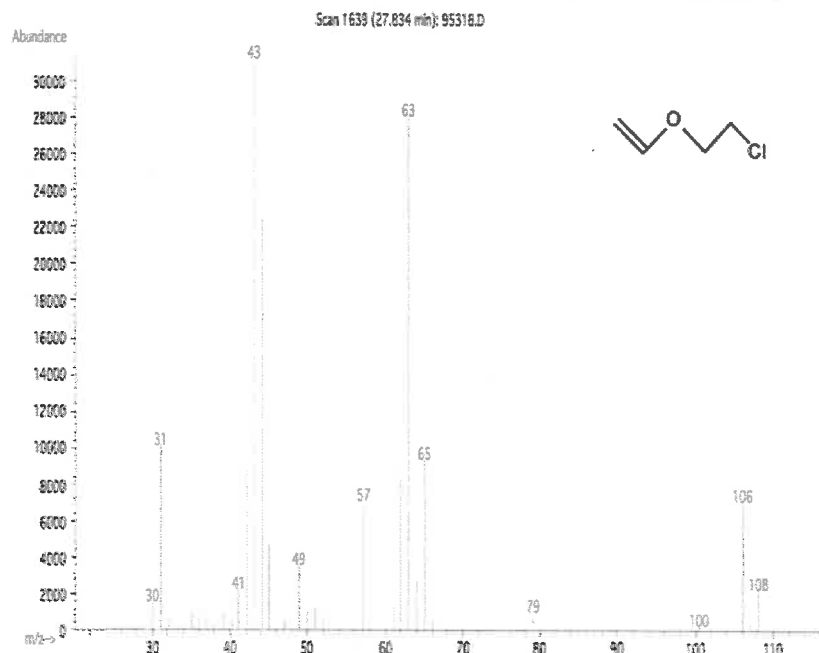
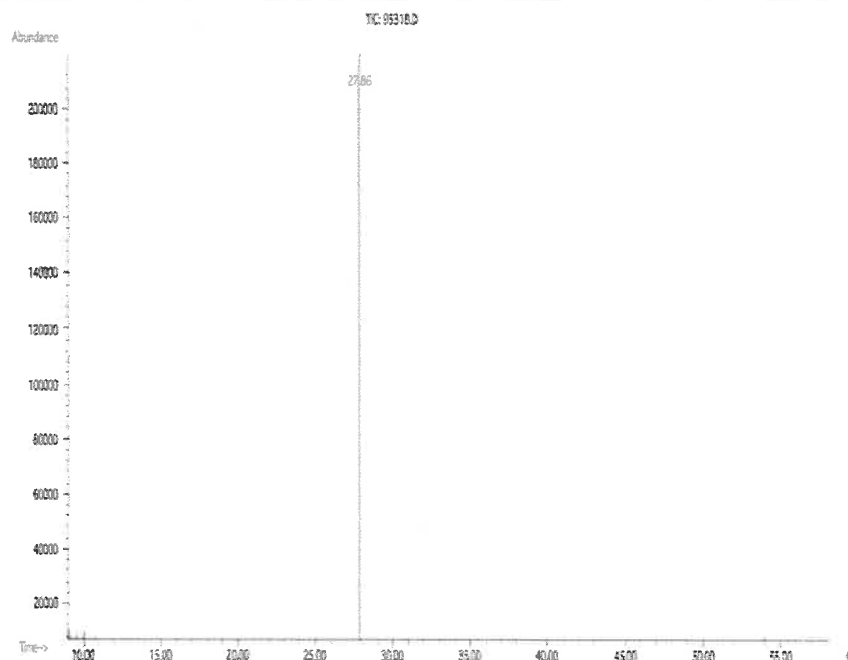
Weight(s) shown below were combined and diluted to (mL): **50.0**

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

<i>Prashant Chauhan</i>		120524
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

GHS/OSHA Compliant

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rosotto Dr. Hamden CT. 06514	Emergency Telephone International Date Prepared/Revised	1-352-323-3500 January 1, 2024

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

Components (Specific Chemical Identity; Common Name(s))	CAS#	% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1
		> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

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.

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.

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).

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.

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**

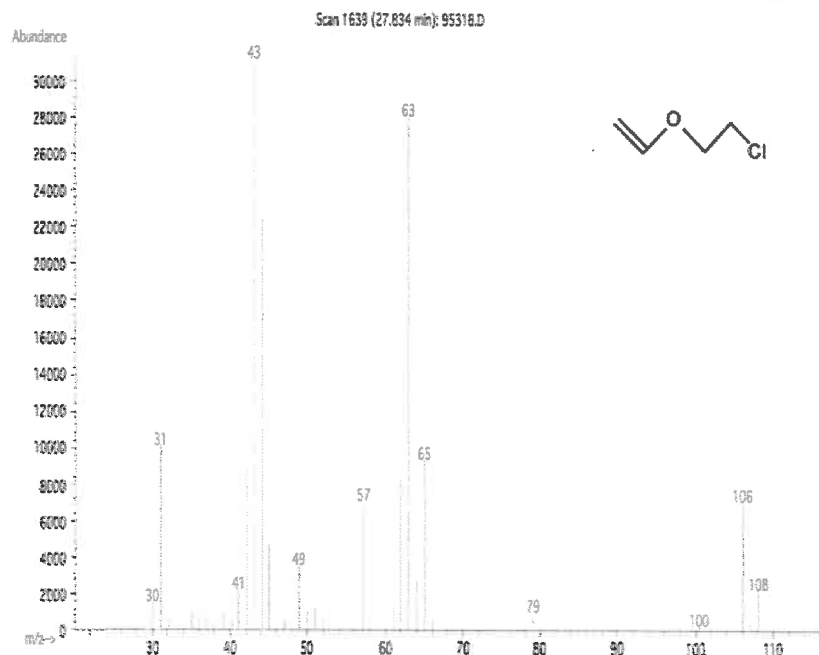
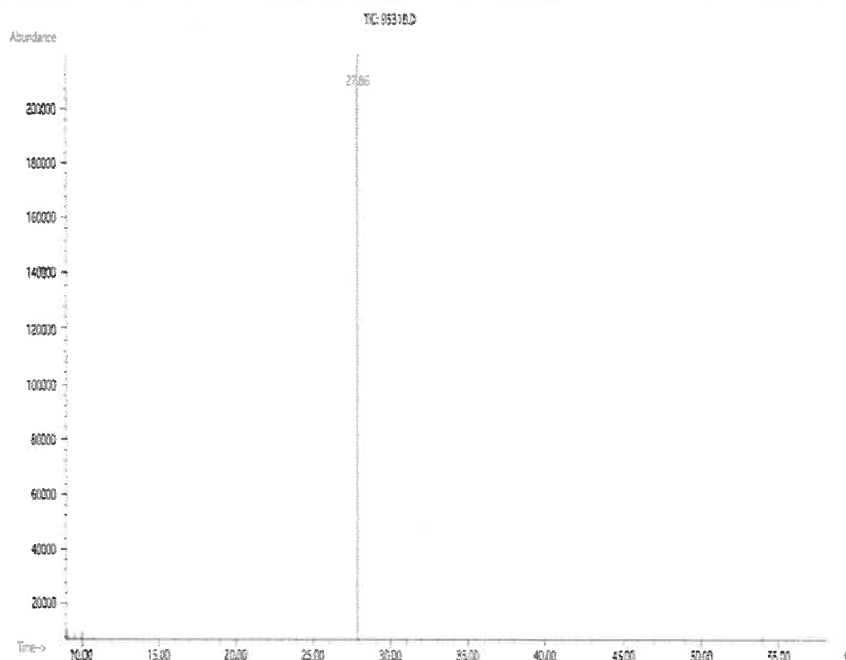
Weight(s) shown below were combined and diluted to (mL): **50.0**
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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	67-56-1	TWA 200 ppm
Skin notation			TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.			
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use.	Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.			

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

See 1216124
20 vial
✓ 14630 to
✓ 14649

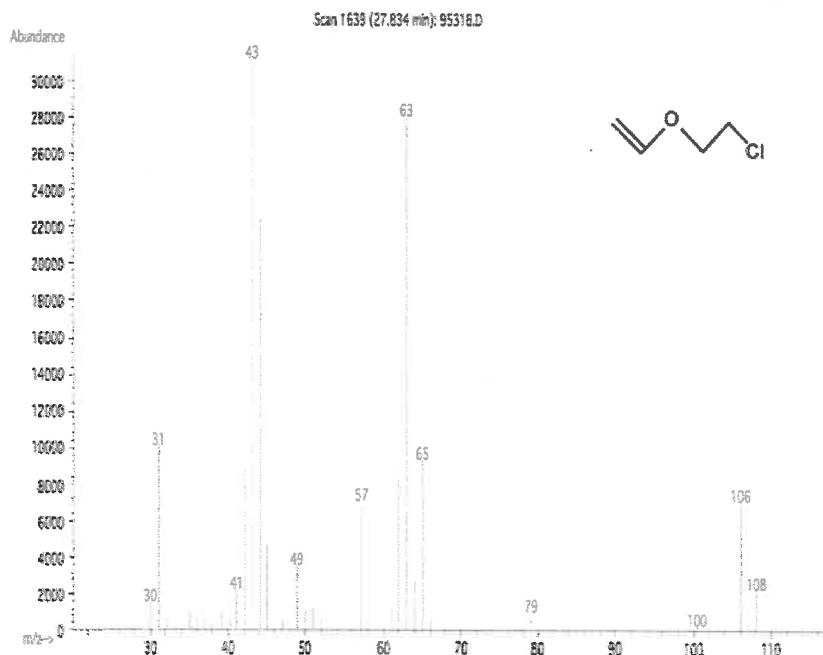
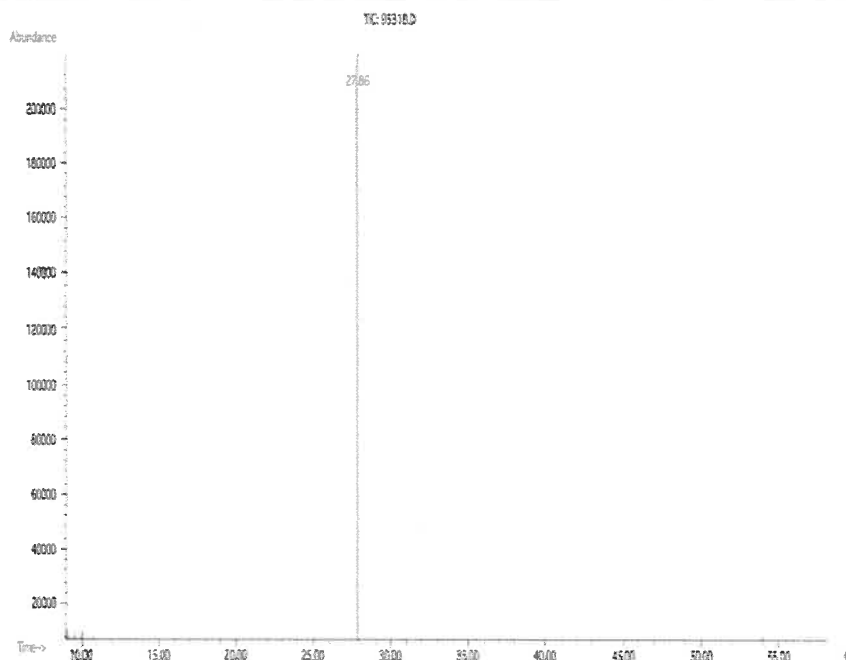
Weight(s) shown below were combined and diluted to (mL): **50.0**

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

<i>Prashant Chauhan</i>		120524
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

GHS/OSHA Compliant

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rosotto Dr. Hamden CT. 06514	Emergency Telephone International Date Prepared/Revised	1-352-323-3500 January 1, 2024

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

Components (Specific Chemical Identity; Common Name(s))	CAS#	% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1
		> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

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.

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.

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).

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.

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**

See 1216124
20 vial
✓ 14630 to
✓ 14649

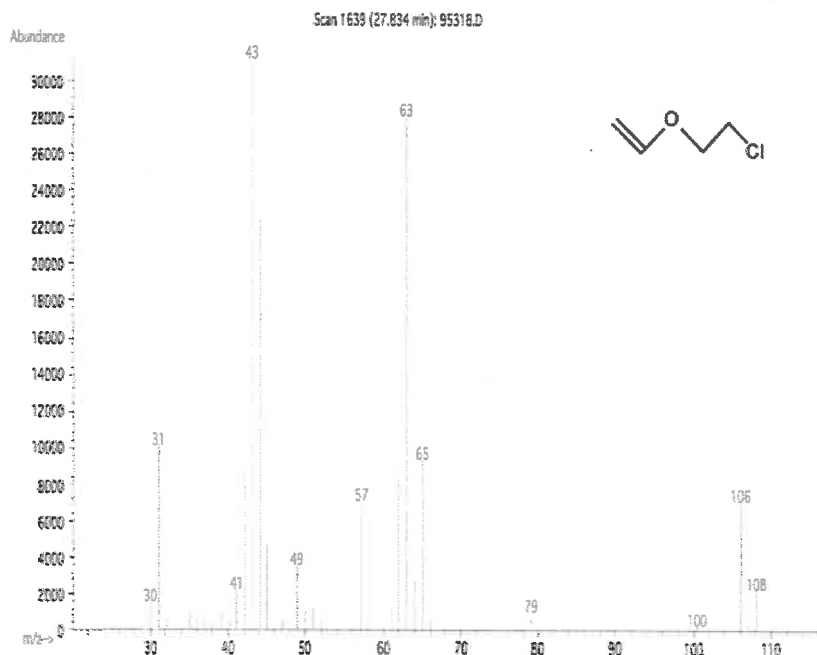
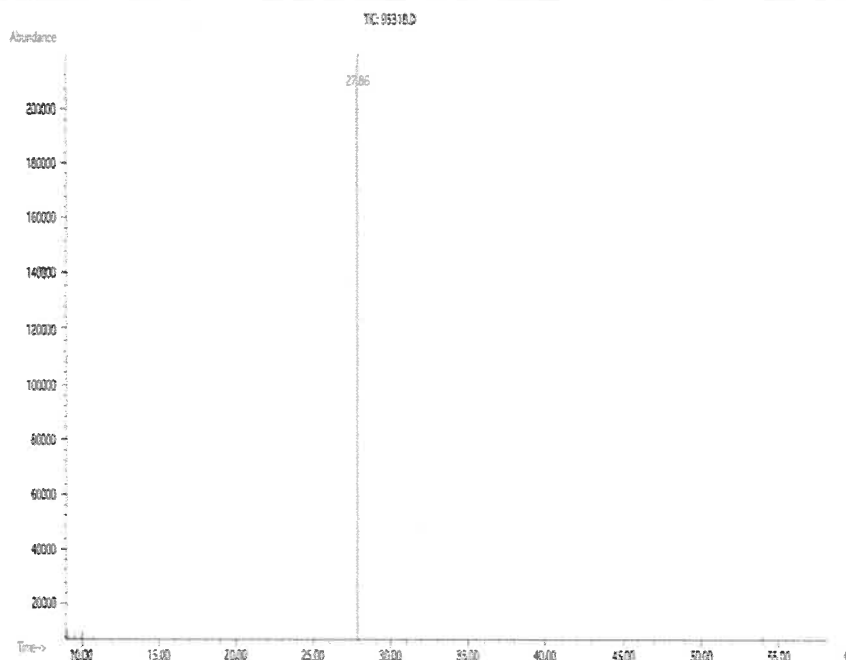
Weight(s) shown below were combined and diluted to (mL): **50.0**

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

<i>Prashant Chauhan</i>		120524
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



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Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	67-56-1	TWA 200 ppm
Skin notation			TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.			
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use.	Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.			

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

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Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

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LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



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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)	50,126.0 µg/mL	+/-	293.4988	µg/mL	Gravimetric
	CAS # 75-65-0 (Lot SHBM7694)		+/-	1,073.7654	µg/mL	Unstressed
	Purity 99%		+/-	1,104.9494	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

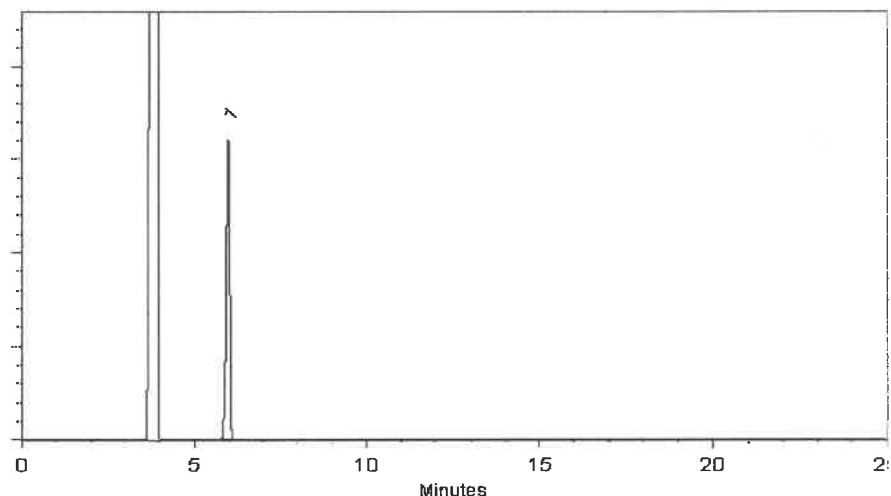
200°C

Det. Temp:

250°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022

Balance: B442140311

Marlene Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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:

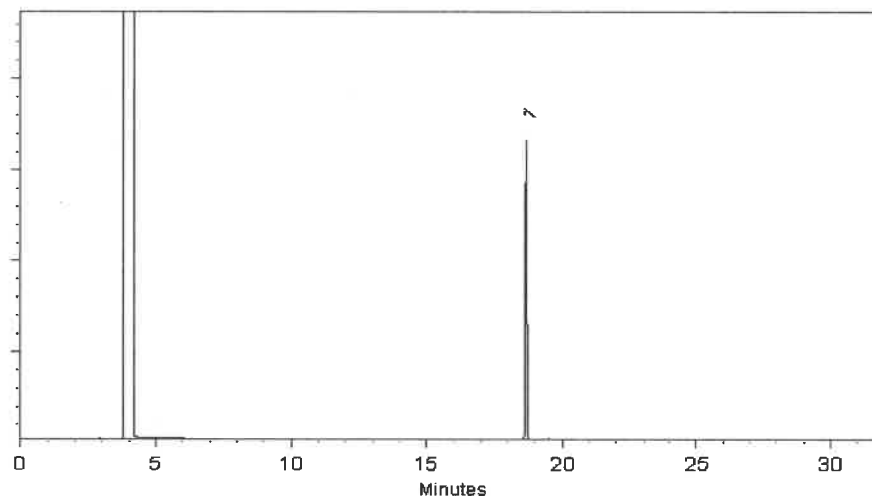
FID

Split Vent:

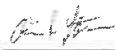
40 ml/min

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:

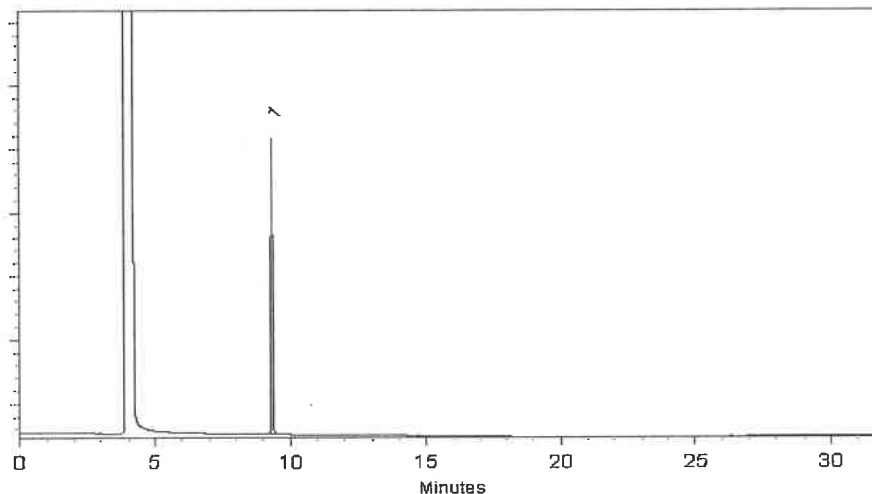
FID

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:

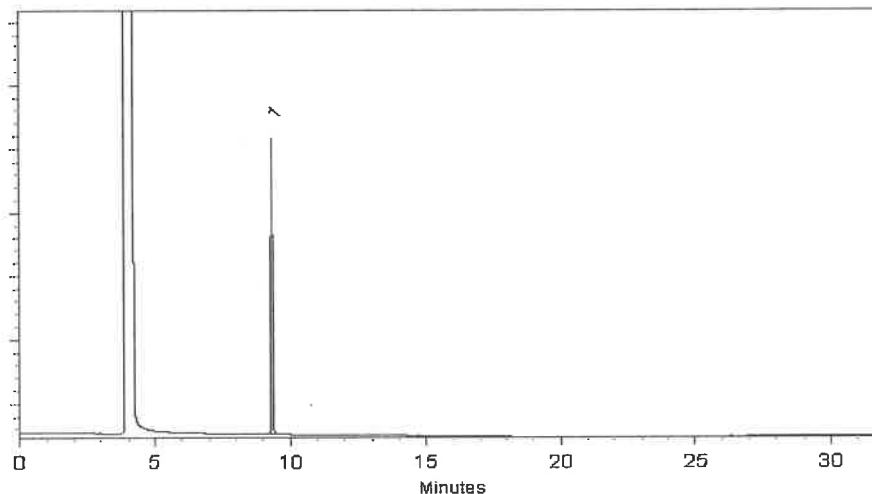
FID

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:

- 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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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:

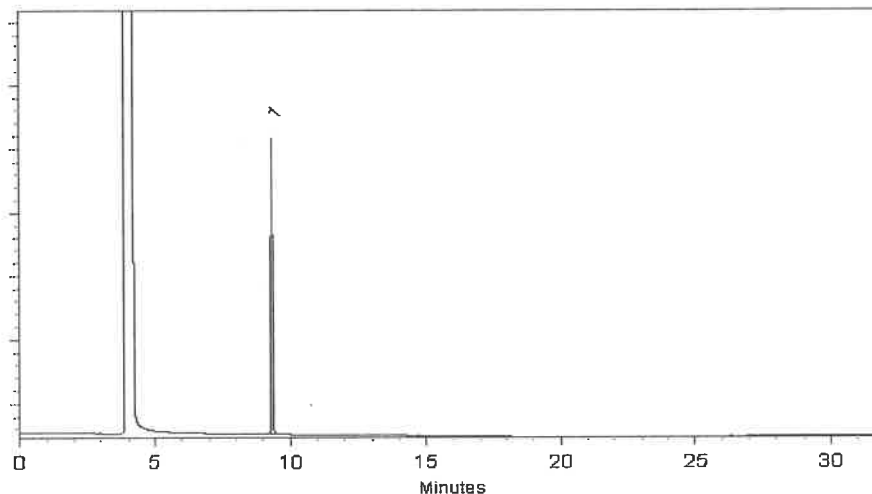
FID

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:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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Manufacturing Notes:

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Handling Notes:

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Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

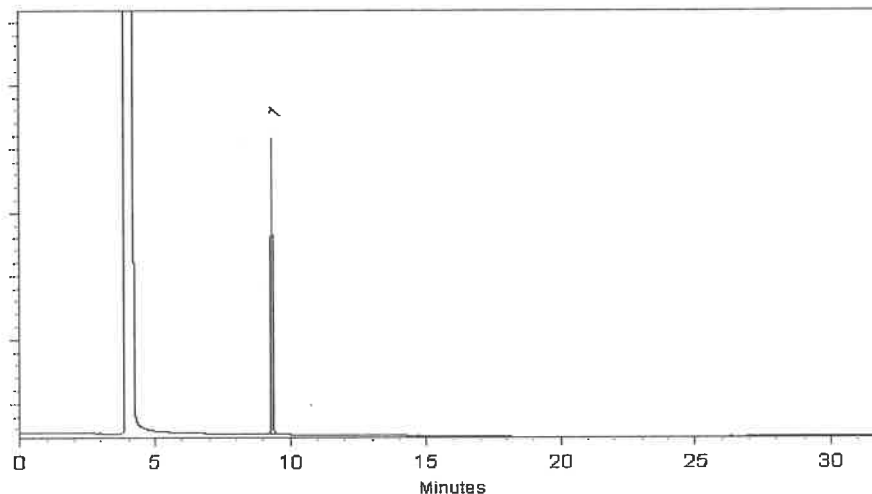
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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 - 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:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

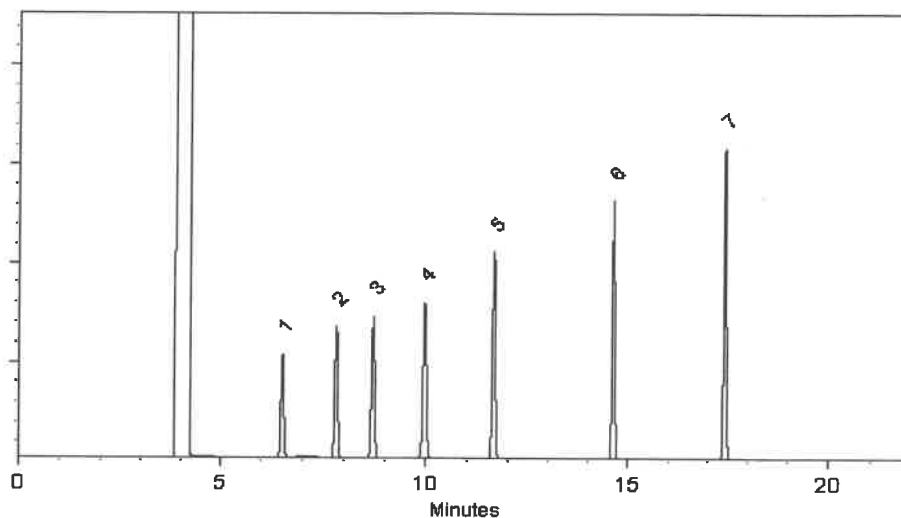
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024

Balance Serial # B707717271

Dillon Murphy
Dillon Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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:

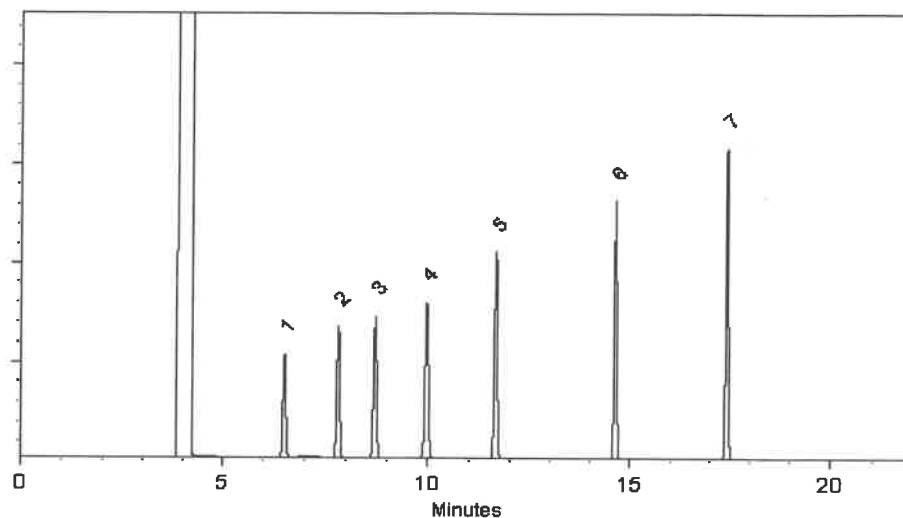
FID

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

Dillon Murphy
Dillon Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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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

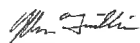
Expiration Date : April 30, 2027 **Storage:** 10°C or colder

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 L&P, Apr 16, 2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/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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V14697-to-14726



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:

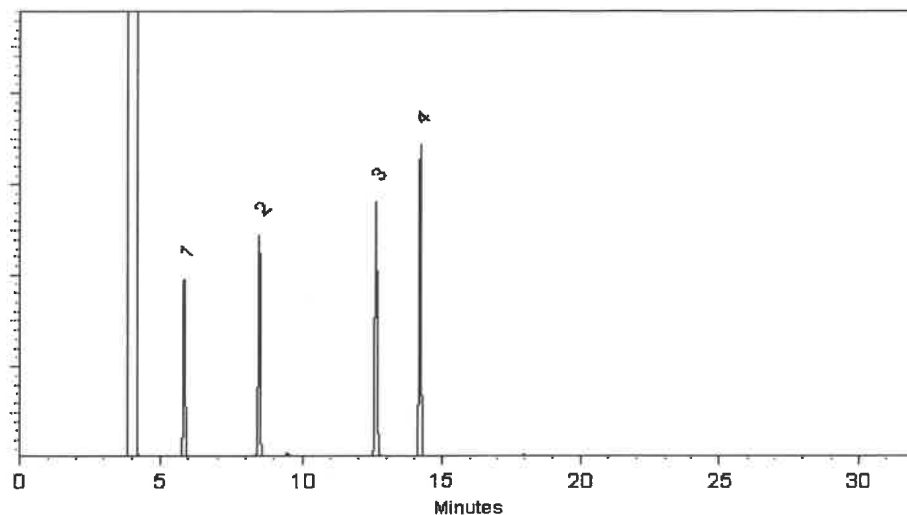
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

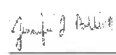


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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:

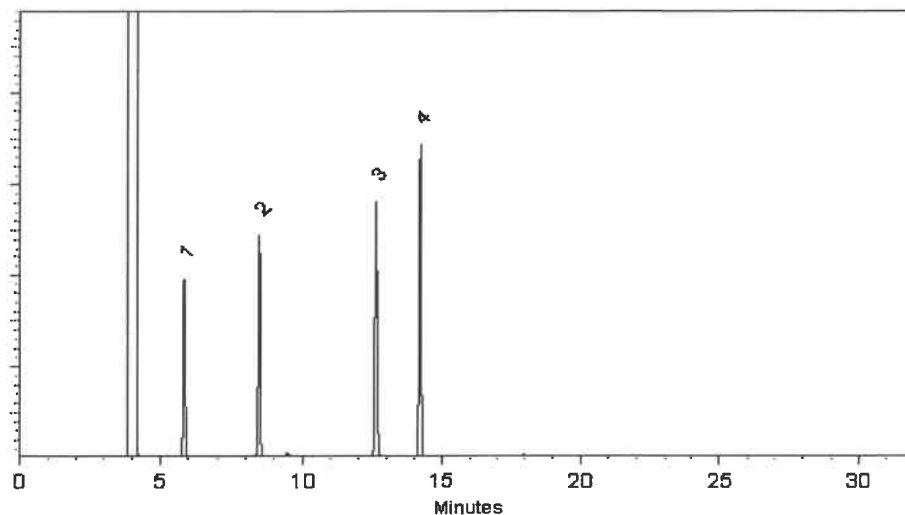
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

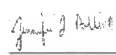


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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:

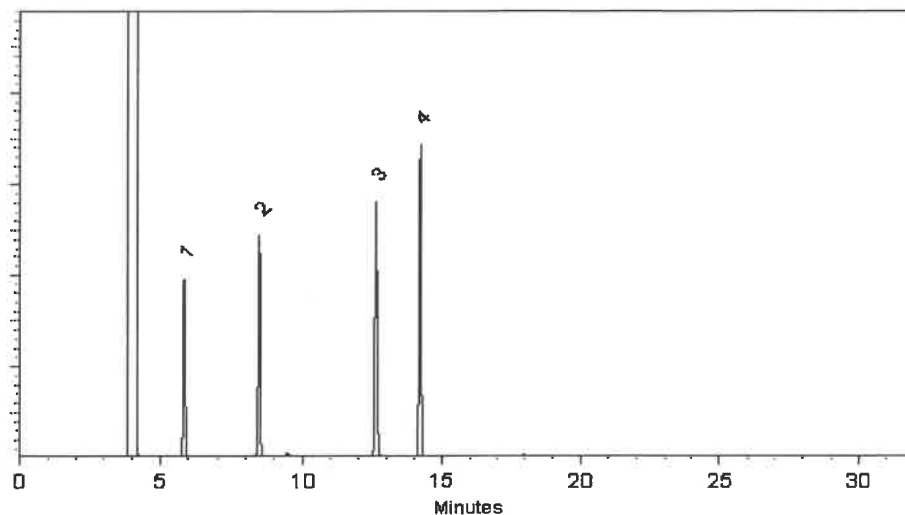
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

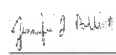


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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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V14727 to
V14756



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2031 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

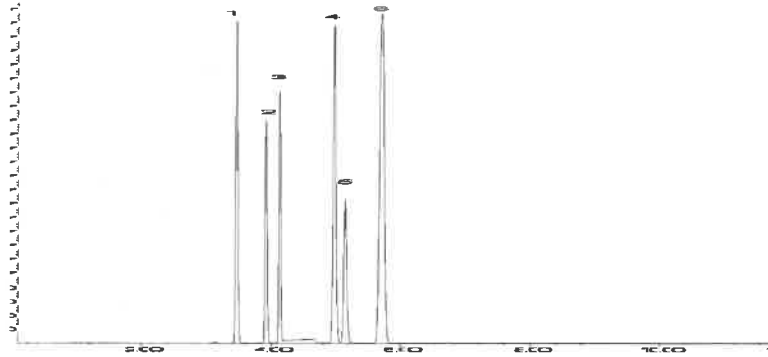
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.



Tom Suckal - Mix Technician

Date Mixed: 23-Sep-2024

Balance Serial # B707717271



Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- 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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V14756



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2031 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

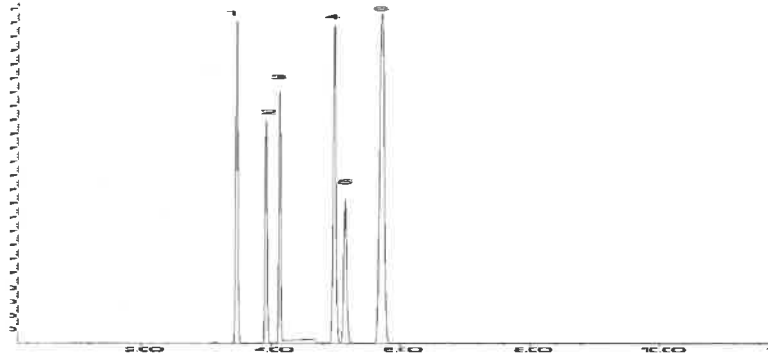
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckal - Mix Technician

Date Mixed: 23-Sep-2024

Balance Serial # B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- 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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Certificate of Analysis

chromatographic

V14803 - V14822



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2026 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

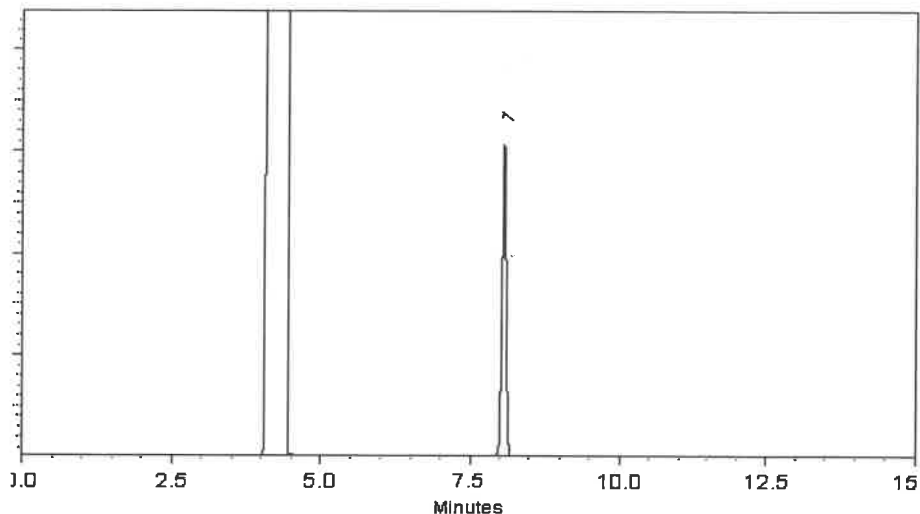
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024

Balance Serial # 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED
By Jennifer Pollock at 7:12 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

✓ 14793 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:

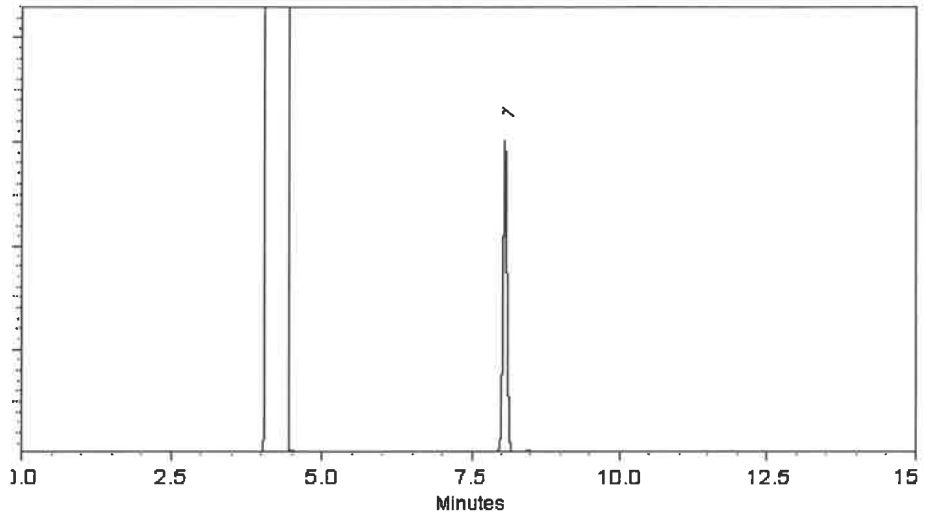
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

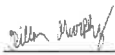


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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.

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
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500 Series for Drinking Water
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Vice President Global Quality



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1327 TETR06

Order Date : 2/6/2025 4:19:00 PM

Project Mgr :

Client Name : Tetra Tech NUS, Inc.

Project Name : CTO WE13

Report Type : Level 4

Client Contact : Ernie Wu

Receive DateTime : 2/6/2025 12:00:00 AM

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
Q1327-01	~~BP-192-HYD-20250204~~ VPB192-HYD-20250204	Water	02/04/2025	15:00		VOCMS Group1	8260-Low	10 Bus. Days	
Q1327-02	BP-VPB-192-TB-20250203	Water	02/03/2025	09:00		VOCMS Group1	8260-Low	10 Bus. Days	
Q1327-03	BP-VPB-192-DUP-20250204	Water	02/04/2025	12:00		VOCMS Group1	8260-Low	10 Bus. Days	
Q1327-04	BP-VPB-192-GW-520-522	Water	02/03/2025	12:45		VOCMS Group1	8260-Low	10 Bus. Days	
Q1327-05	BP-VPB-192-GW-540-542	Water	02/04/2025	09:30		VOCMS Group1	8260-Low	10 Bus. Days	
Q1327-06	BP-VPB-192-GW-560-562	Water	02/04/2025	12:25		VOCMS Group1	8260-Low	10 Bus. Days	
Q1327-07	BP-VPB-192-GW-580-582	Water	02/04/2025	14:27		VOCMS Group1	8260-Low	10 Bus. Days	
Q1327-08	BP-VPB-192-GW-600-602	Water	02/05/2025	09:35		VOCMS Group1	8260-Low	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER**Order ID :** Q1327 TETR06**Order Date :** 2/6/2025 4:19:00 PM**Project Mgr :****Client Name :** Tetra Tech NUS, Inc.**Project Name :** CTO WE13**Report Type :** Level 4**Client Contact :** Ernie Wu**Receive DateTime :** 2/6/2025 12:00:00 AM**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
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1327-09	BP-VPB-192-GW-625-627	Water	02/05/2025	13:55					
					VOCMS Group1		8260-Low	10 Bus. Days	

Relinquished By :**Date / Time :** 2-7-25 10:23**Received By :****Date / Time :****Storage Area :** VOA Refridgerator Room

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)

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

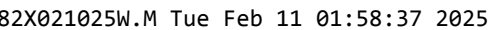
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

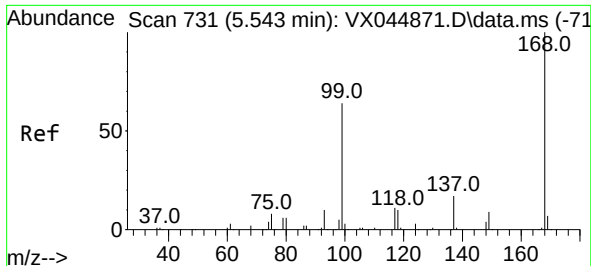
Quant Time: Feb 11 01:58:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

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

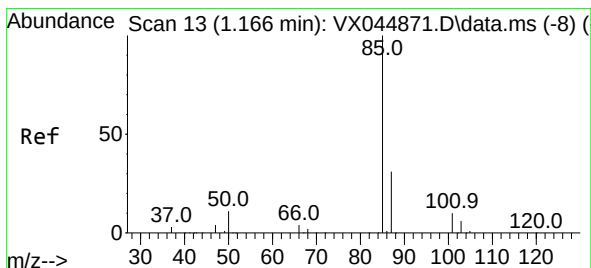
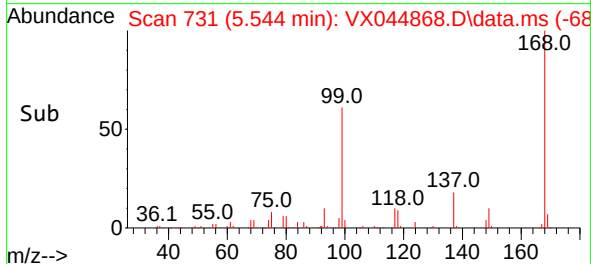
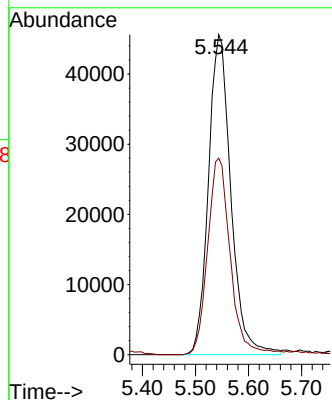
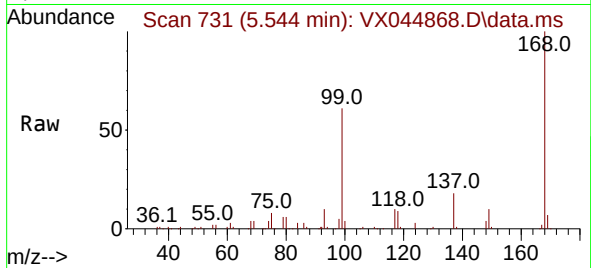




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

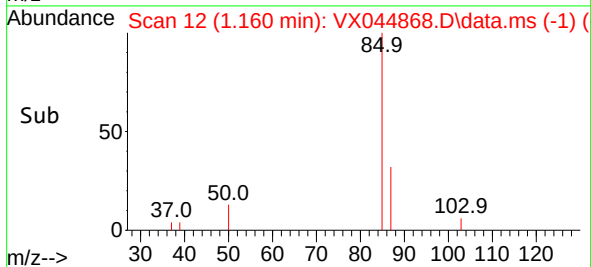
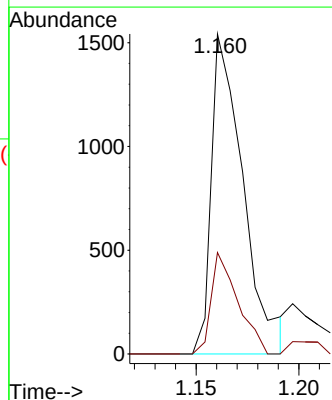
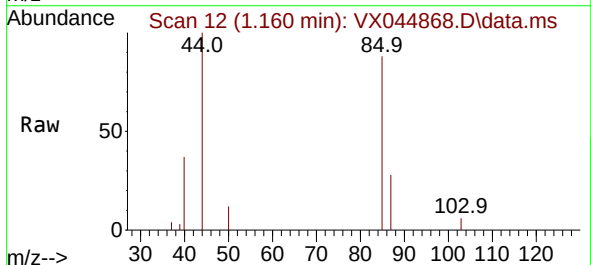
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

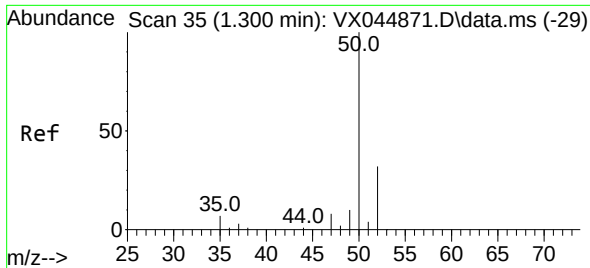
Tgt Ion:168 Resp: 134134
Ion Ratio Lower Upper
168 100
99 61.4 51.2 76.8



#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

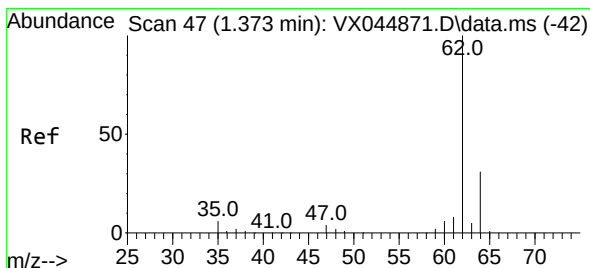
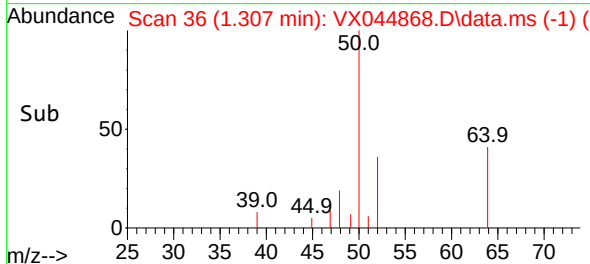
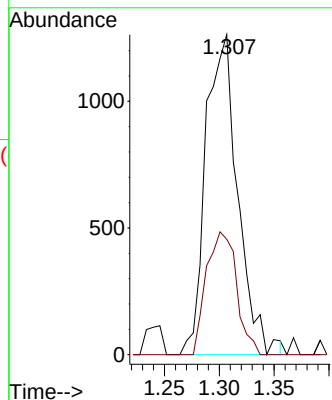
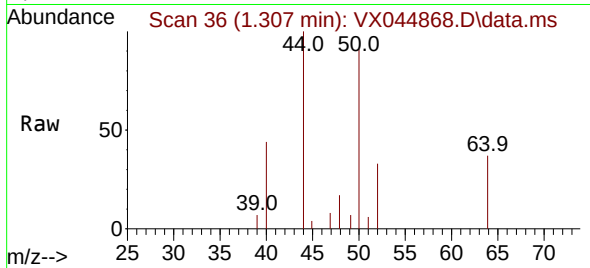




#3
Chloromethane
Concen: 1.123 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

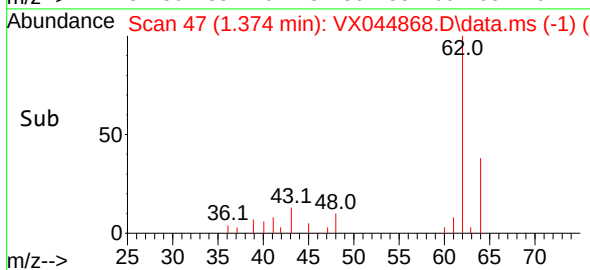
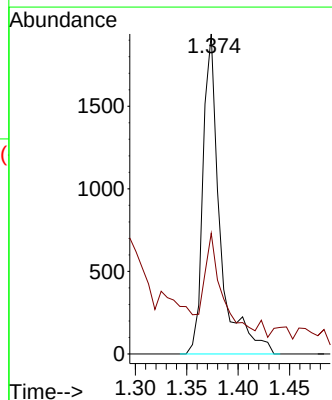
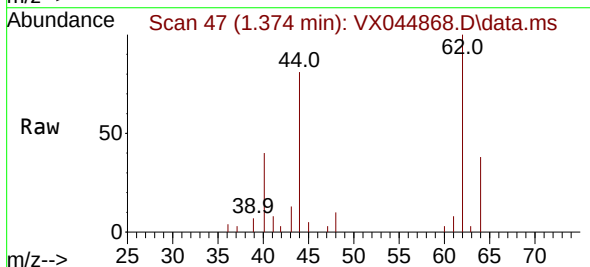
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

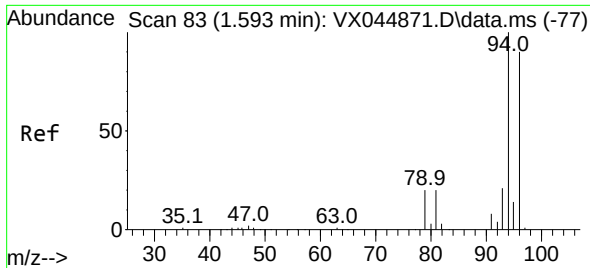
Tgt Ion: 50 Resp: 2571
Ion Ratio Lower Upper
50 100
52 36.0 25.9 38.9



#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

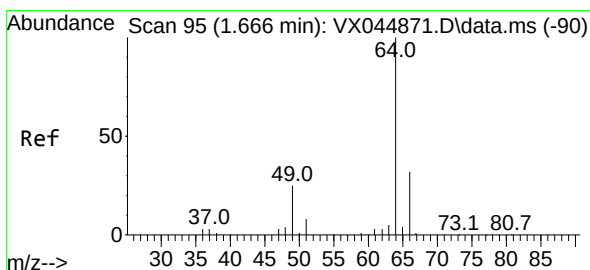
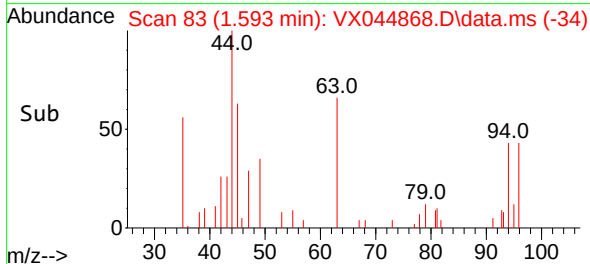
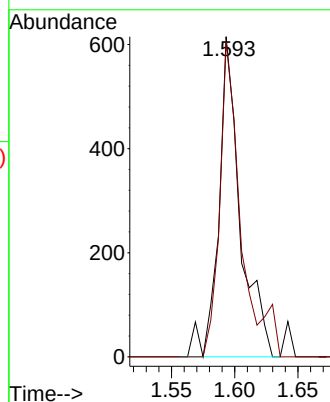
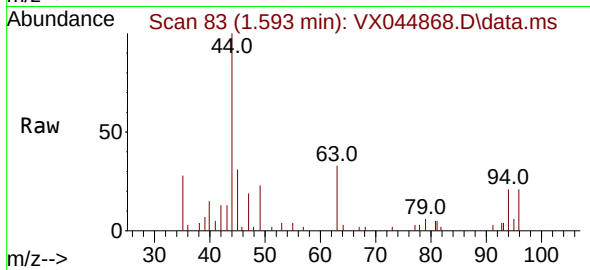




#5
Bromomethane
Concen: 1.095 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

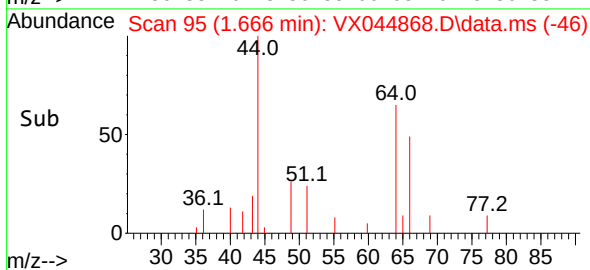
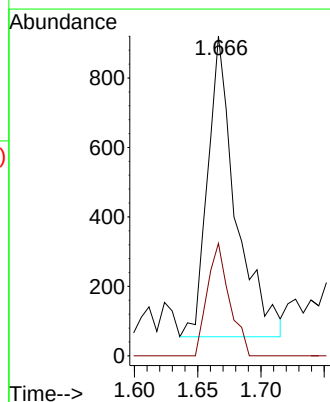
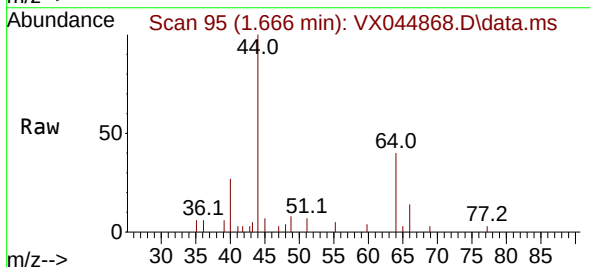
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

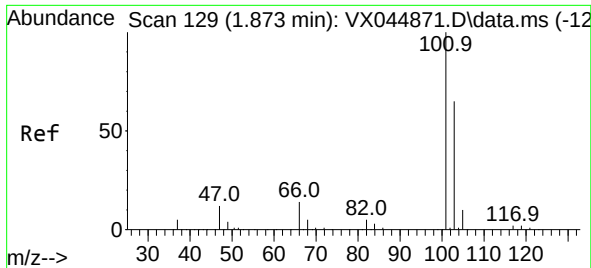
Tgt Ion: 94 Resp: 727
Ion Ratio Lower Upper
94 100
96 98.4 71.6 107.4



#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

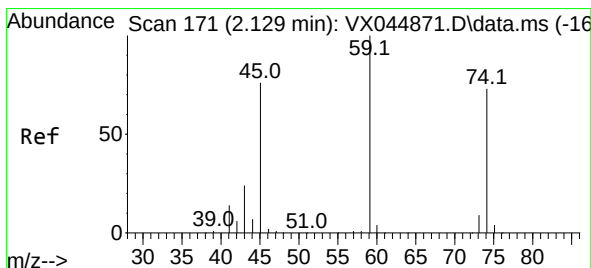
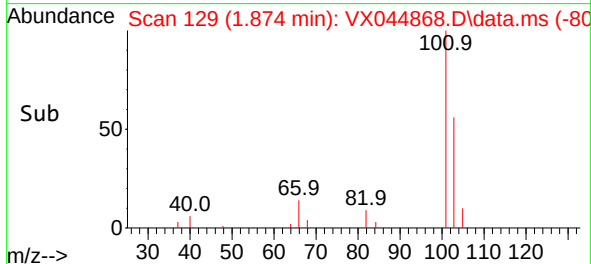
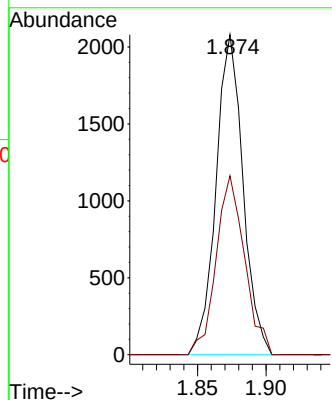
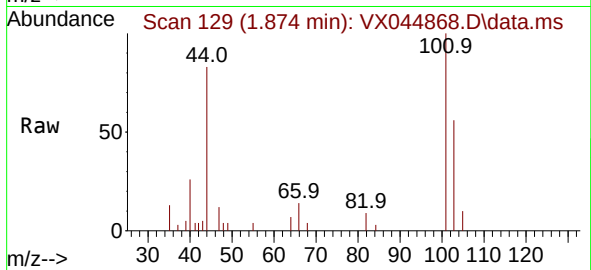




#7
 Trichlorofluoromethane
 Concen: 1.016 ug/l
 RT: 1.874 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

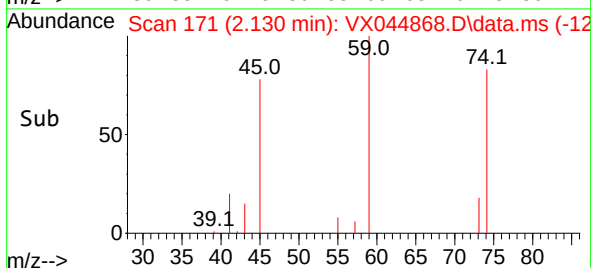
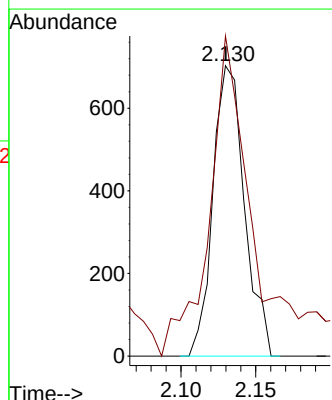
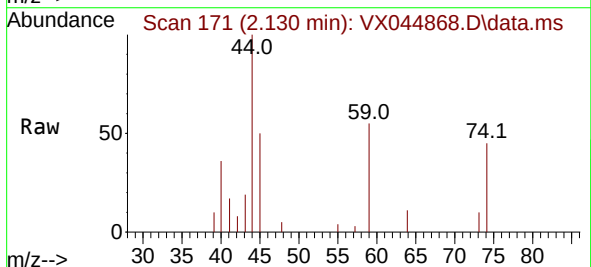
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

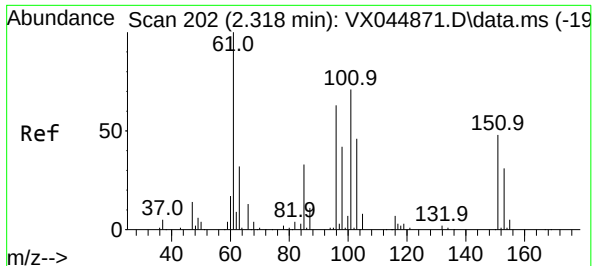
Tgt Ion:101 Resp: 2849
 Ion Ratio Lower Upper
 101 100
 103 55.9 52.4 78.6



#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#

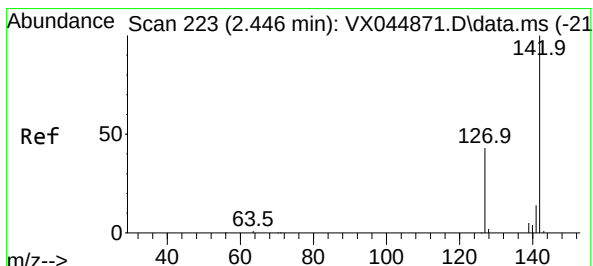
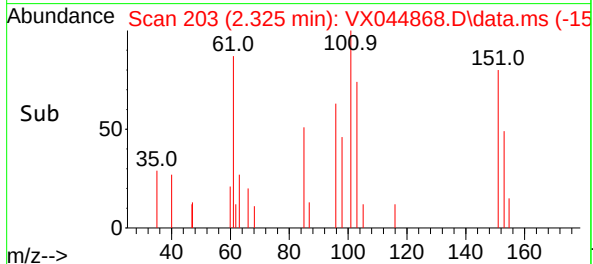
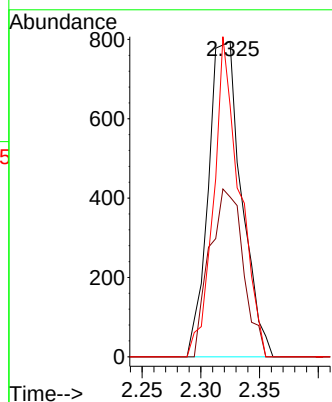
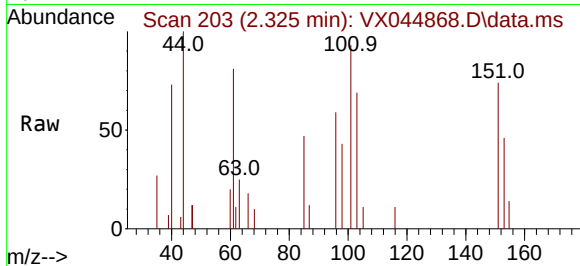




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.923 ug/l
RT: 2.325 min Scan# 202
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

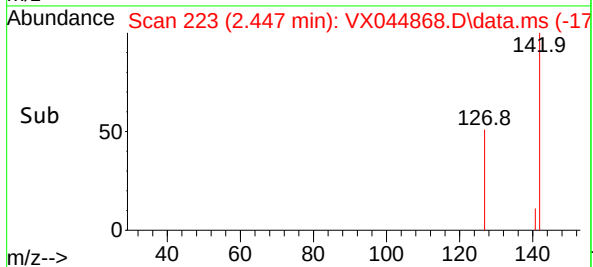
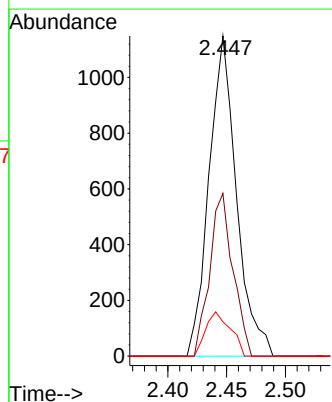
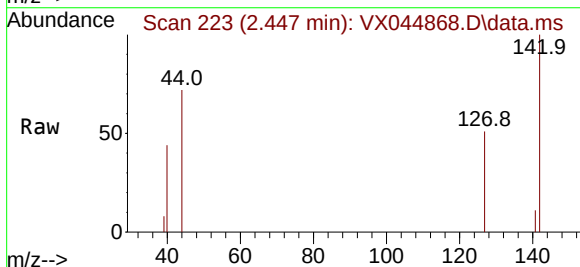
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

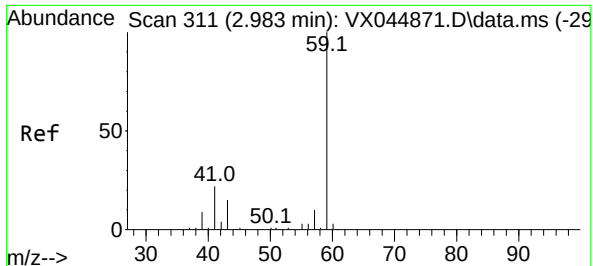
Tgt Ion:101 Resp: 1564
Ion Ratio Lower Upper
101 100
85 53.6 35.7 53.5#
151 79.3 56.0 84.0



#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

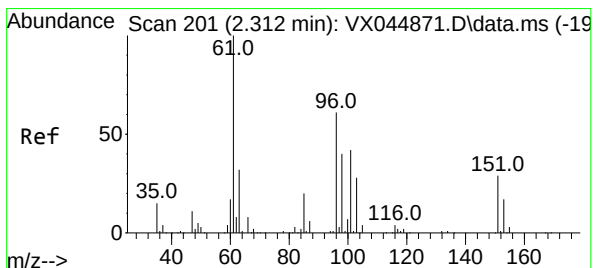
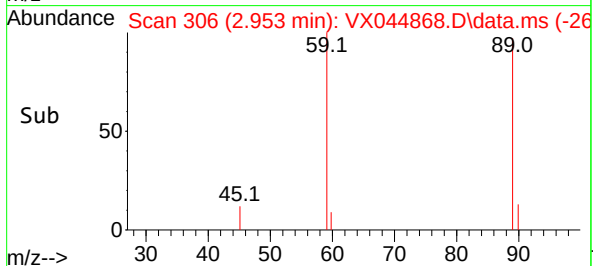
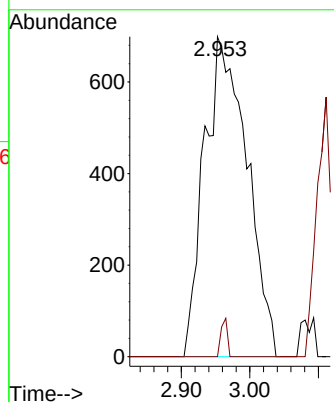
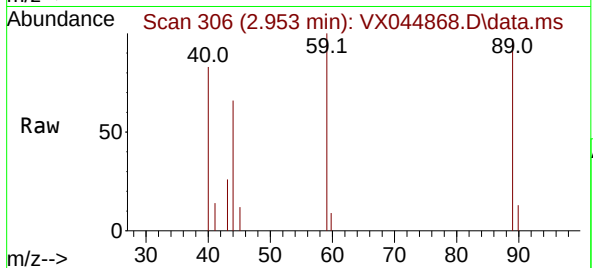




#11
Tert butyl alcohol
Concen: 8.291 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

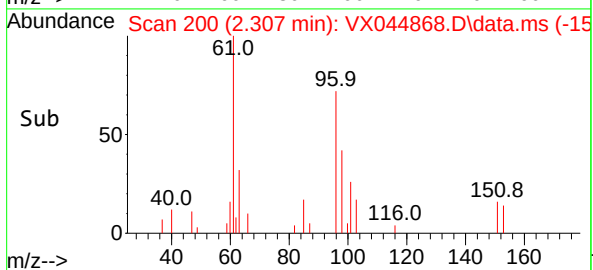
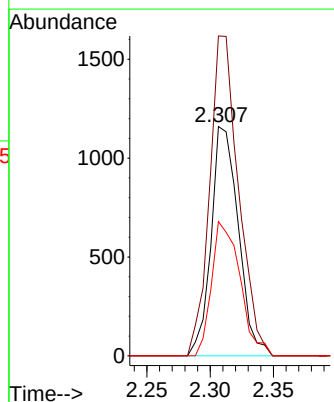
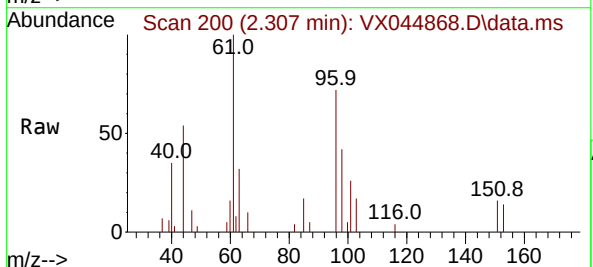
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

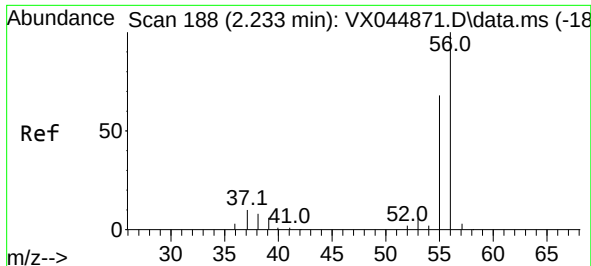
Tgt Ion: 59 Resp: 3020
Ion Ratio Lower Upper
59 100
57 1.8 8.1 12.1#



#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

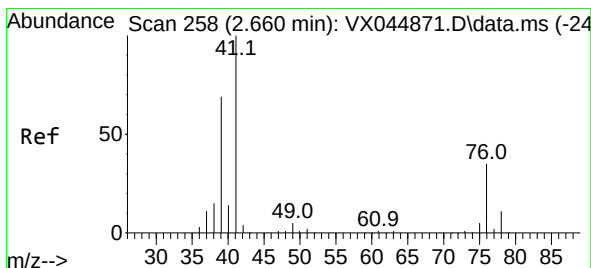
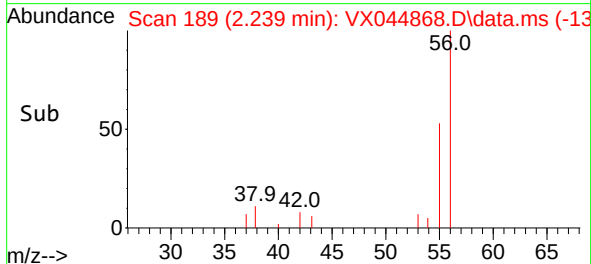
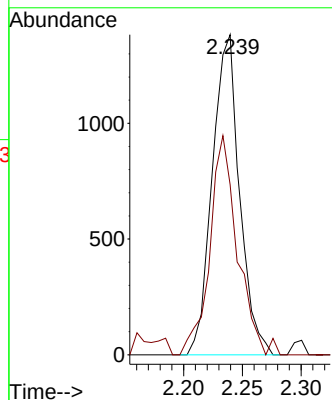
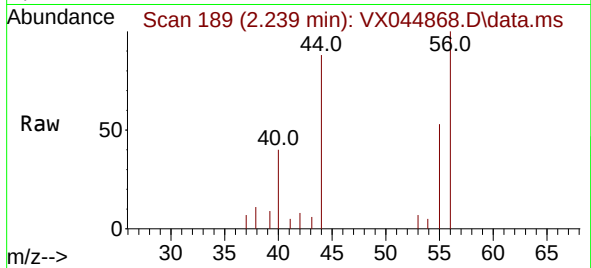




#13
Acrolein
Concen: 5.928 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

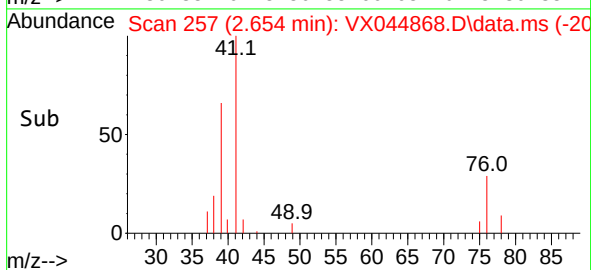
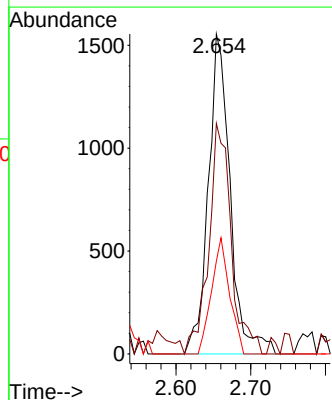
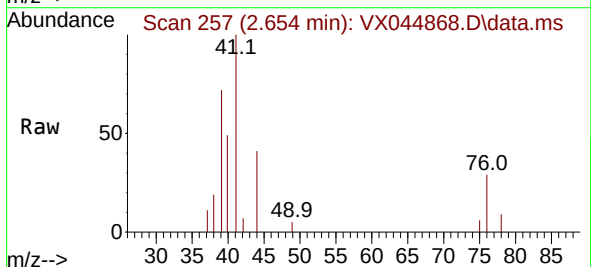
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

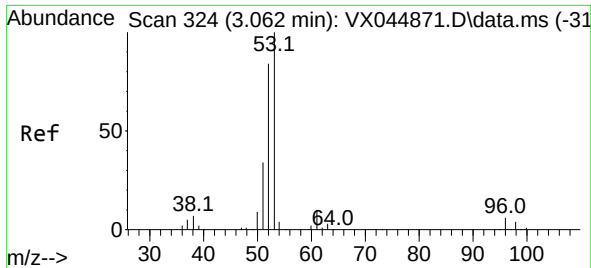
Tgt Ion: 56 Resp: 2228
Ion Ratio Lower Upper
56 100
55 69.5 55.7 83.5



#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

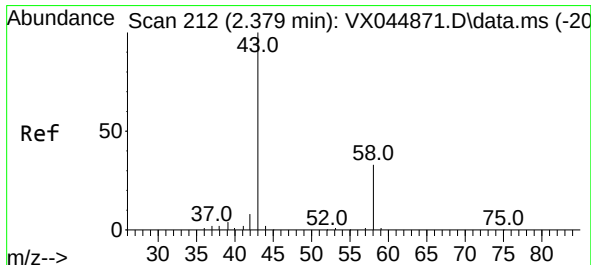
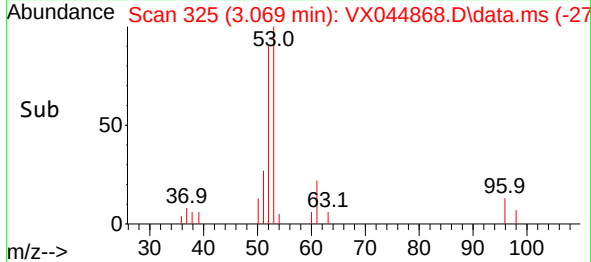
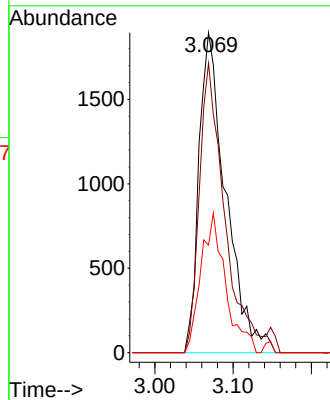
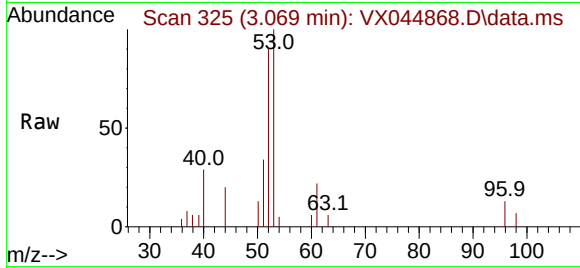
Tgt Ion: 53 Resp: 4527

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

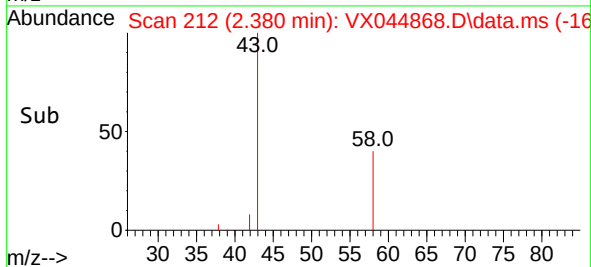
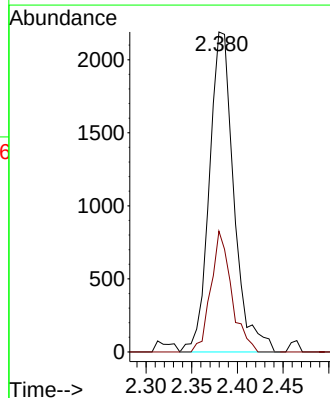
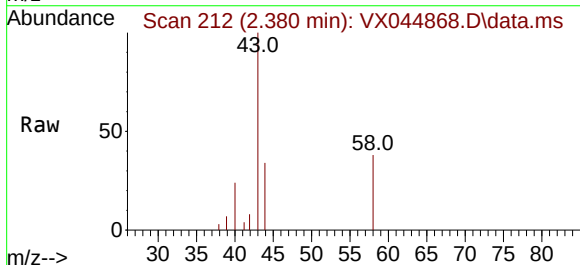
Acq: 10 Feb 2025 10:25

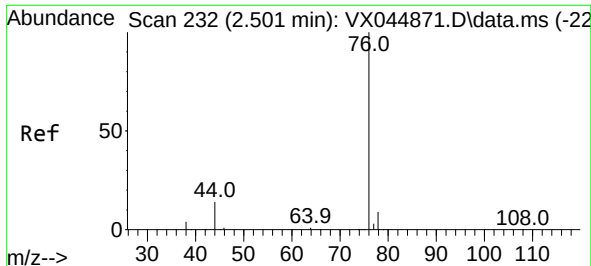
Tgt Ion: 43 Resp: 4095

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 :

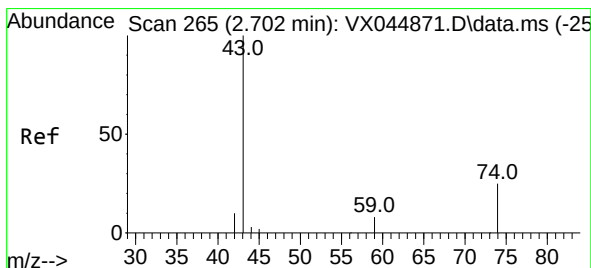
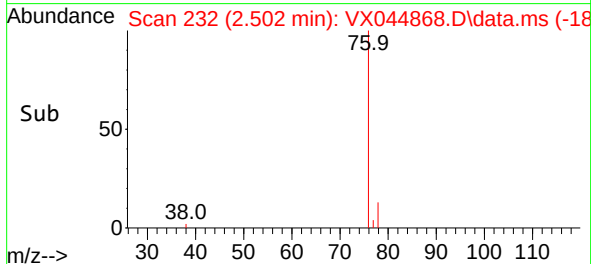
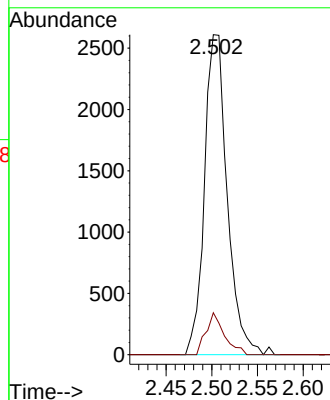
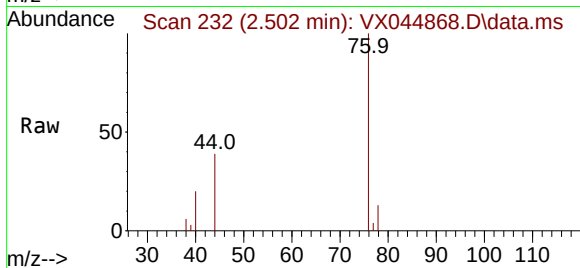
VSTDIC001

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

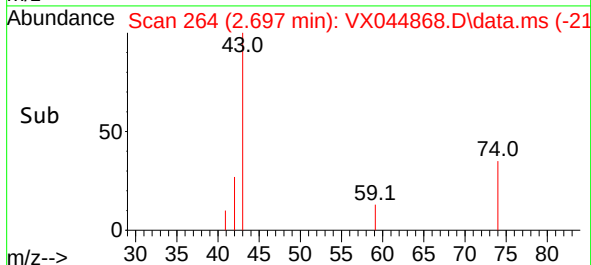
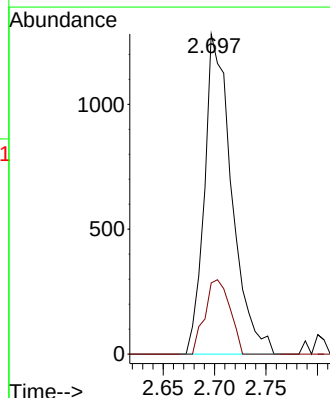
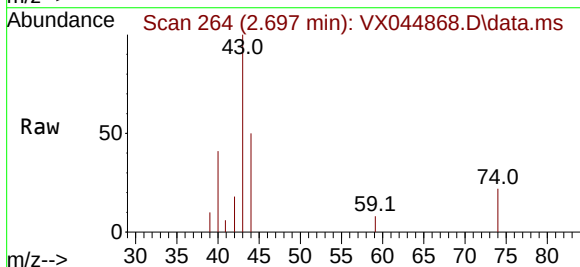
Acq: 10 Feb 2025 10:25

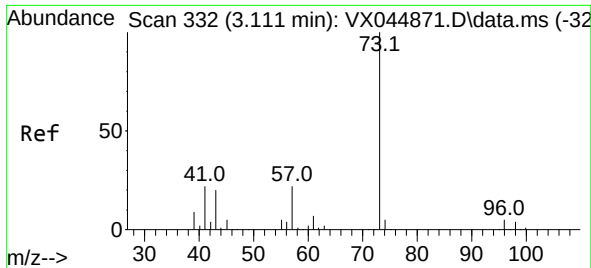
Tgt Ion: 43 Resp: 2367

Ion Ratio Lower Upper

43 100

74 21.3 18.9 28.3

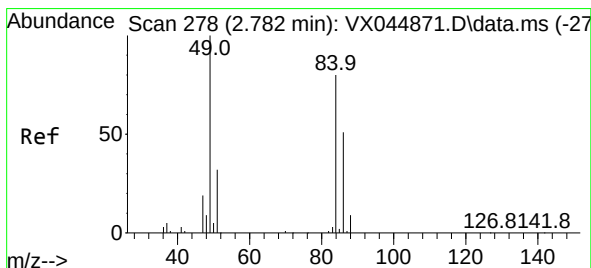
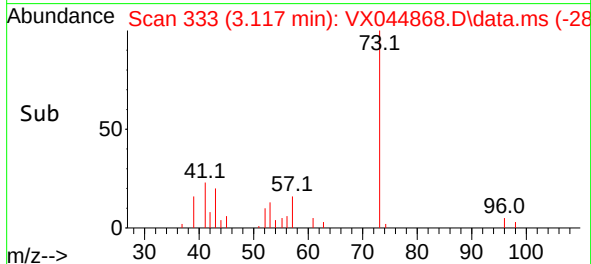
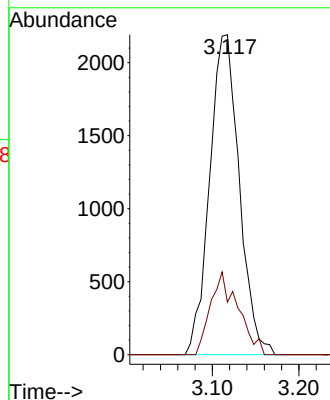
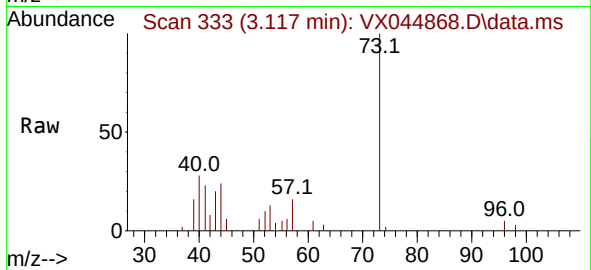




#19
Methyl tert-butyl Ether
Concen: 0.946 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

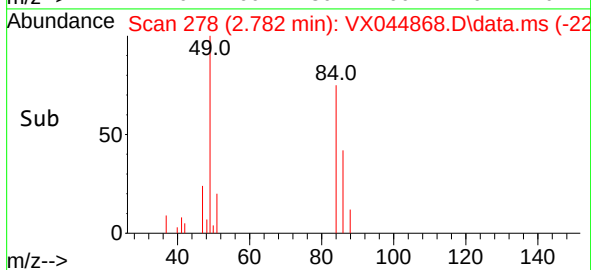
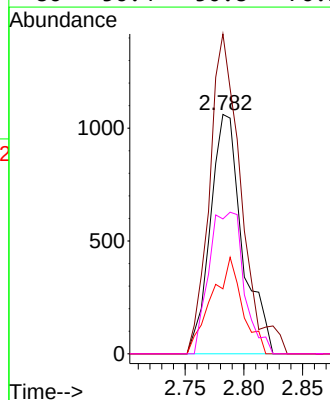
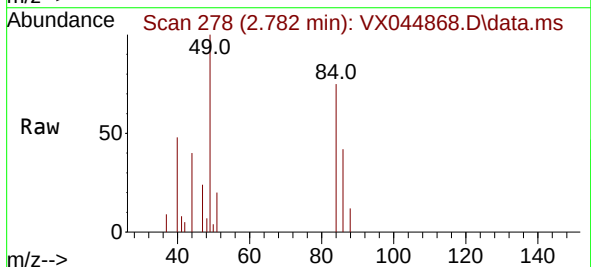
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

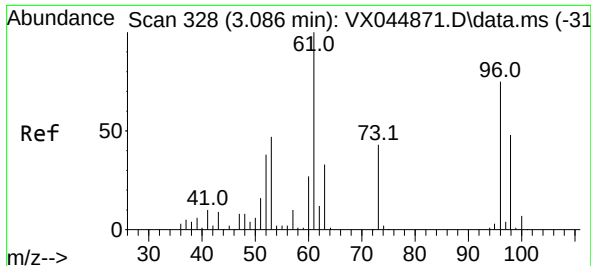
Tgt Ion: 73 Resp: 5206
Ion Ratio Lower Upper
73 100
57 16.4 17.9 26.9#



#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

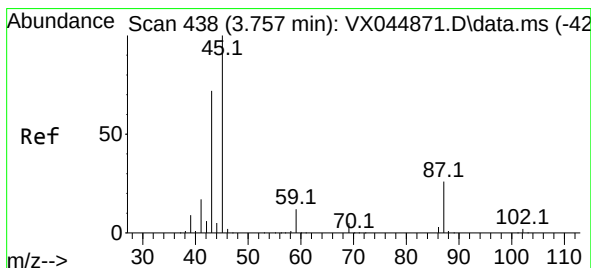
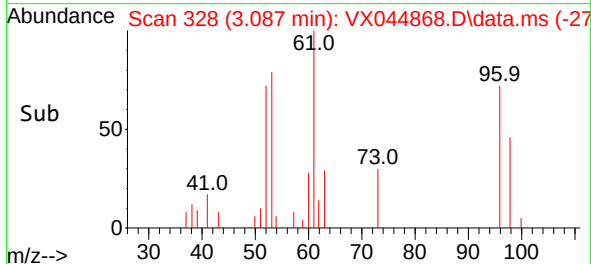
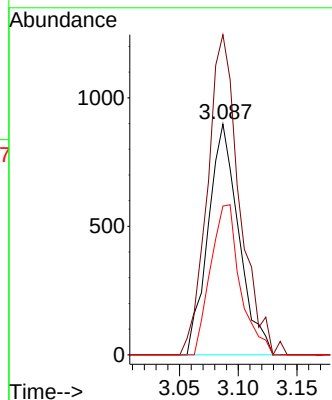
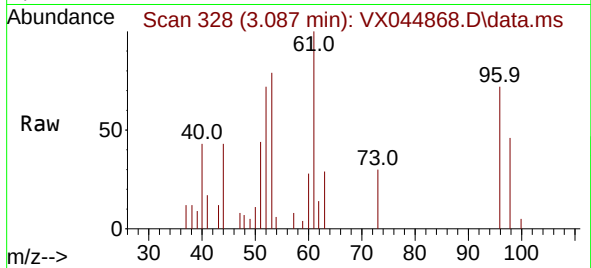




#21
trans-1,2-Dichloroethene
Concen: 0.959 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

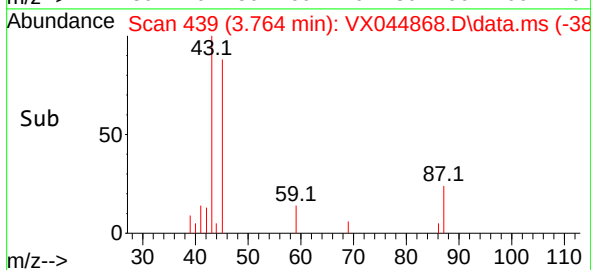
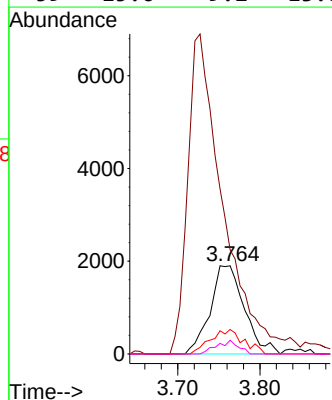
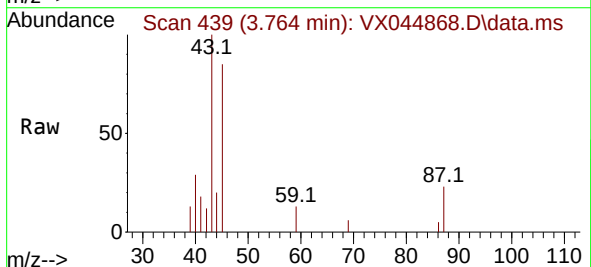
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

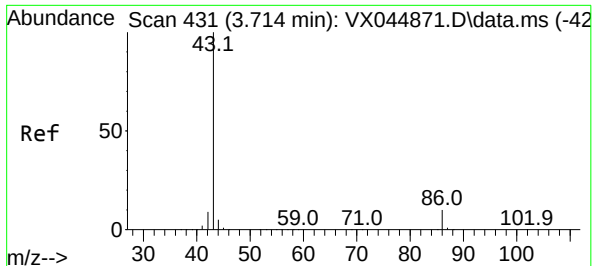
Tgt Ion: 96 Resp: 1631
Ion Ratio Lower Upper
96 100
61 138.8 106.0 159.0
98 64.5 50.6 76.0



#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#

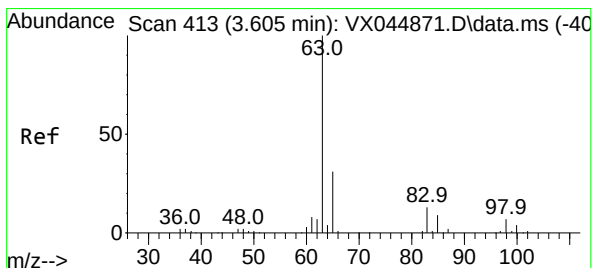
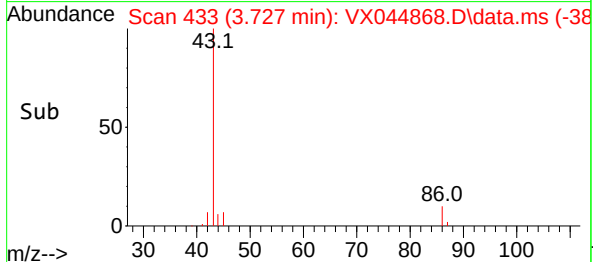
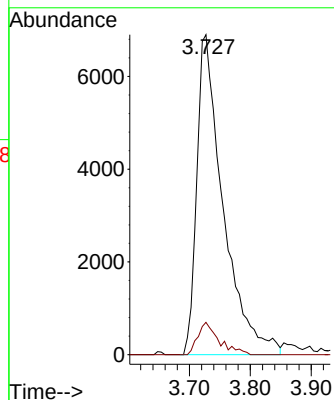
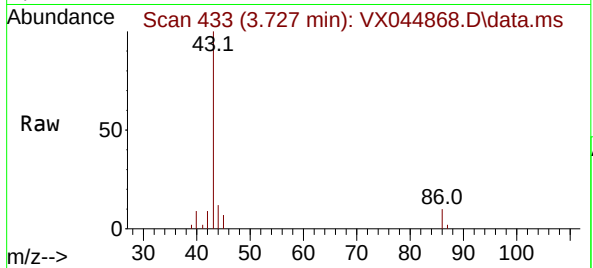




#23
 Vinyl Acetate
 Concen: 4.288 ug/l
 RT: 3.727 min Scan# 413
 Delta R.T. 0.013 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

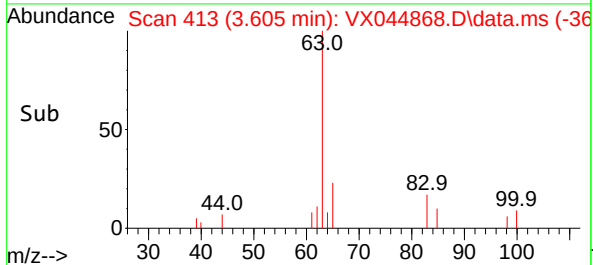
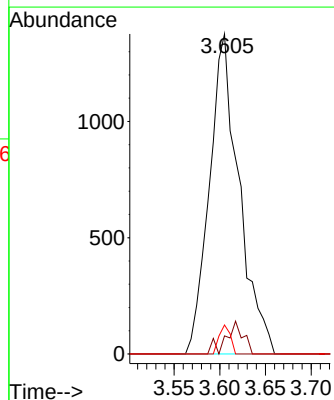
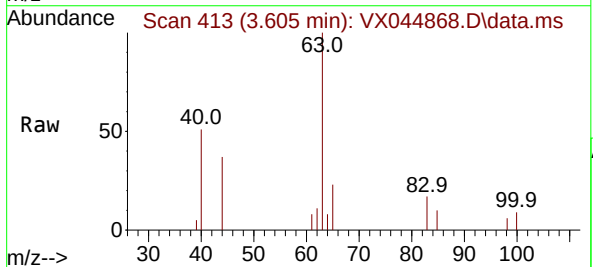
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

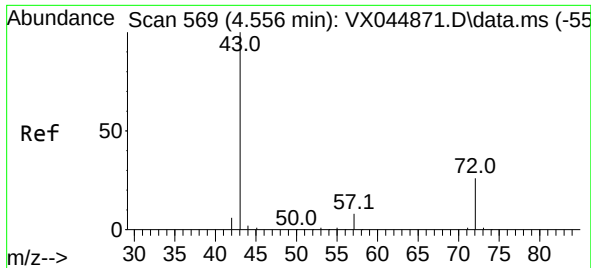
Tgt Ion: 43 Resp: 20663
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.3 12.5



#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#

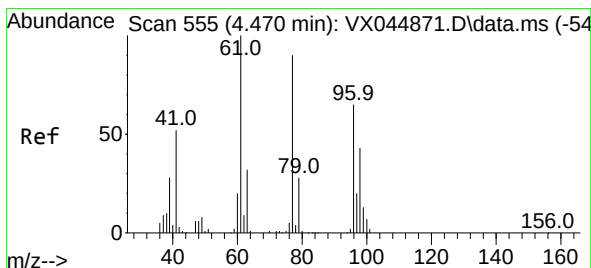
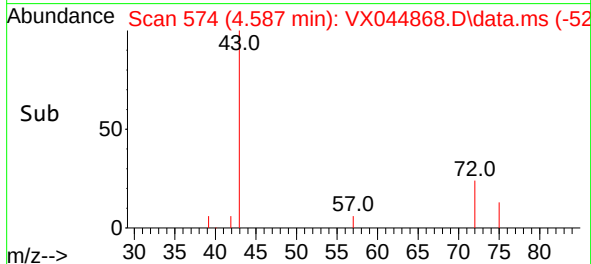
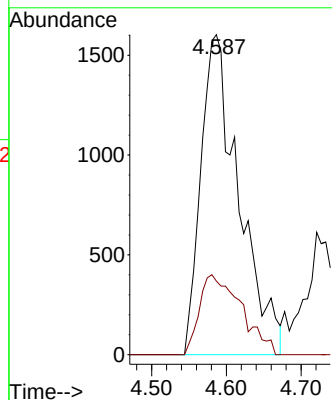
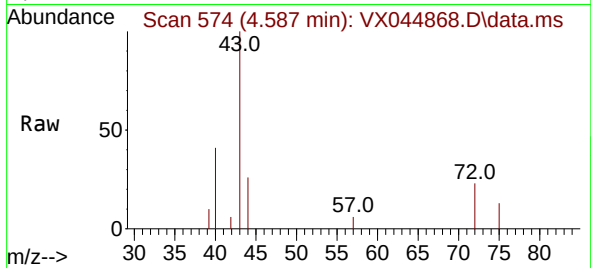




#25
2-Butanone
Concen: 4.416 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

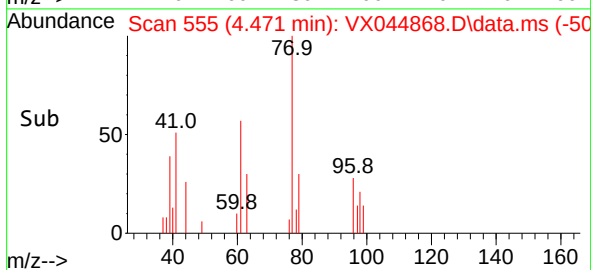
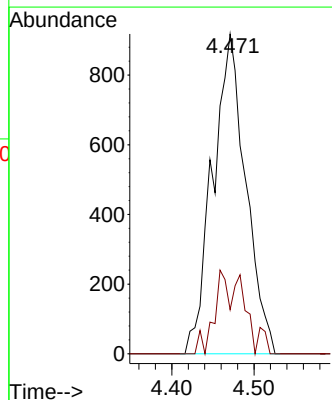
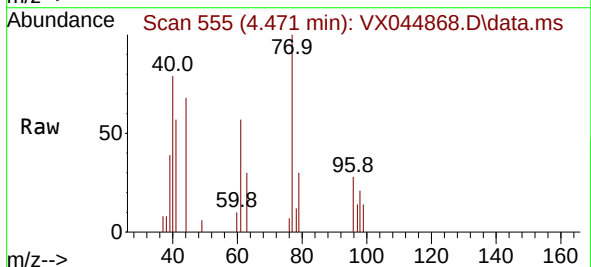
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

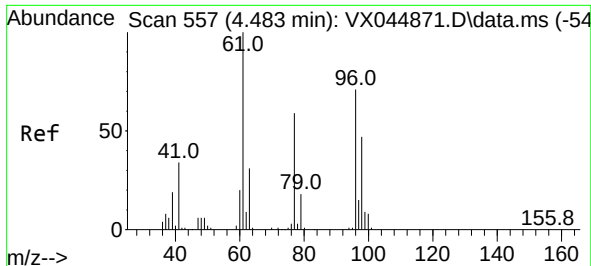
Tgt Ion: 43 Resp: 5660
Ion Ratio Lower Upper
43 100
72 23.0 21.2 31.8



#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

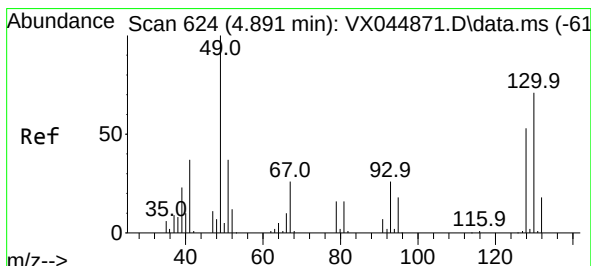
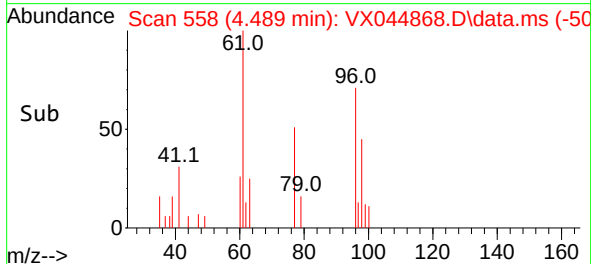
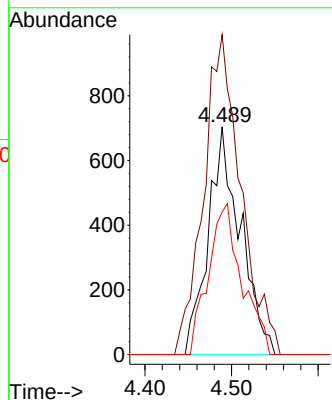
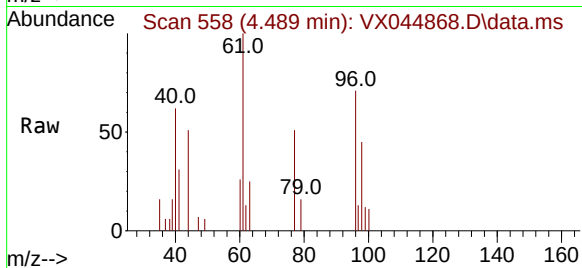
Tgt Ion: 96 Resp: 1825

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

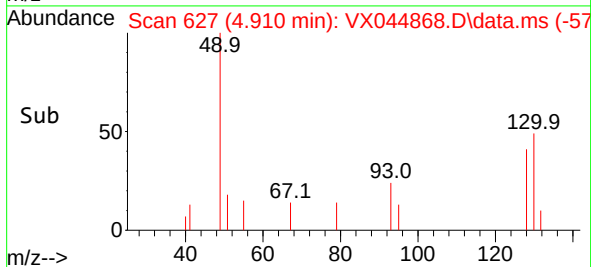
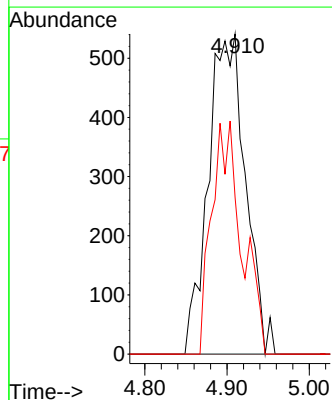
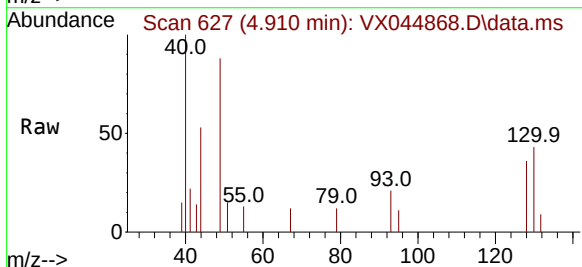
Tgt Ion: 49 Resp: 1702

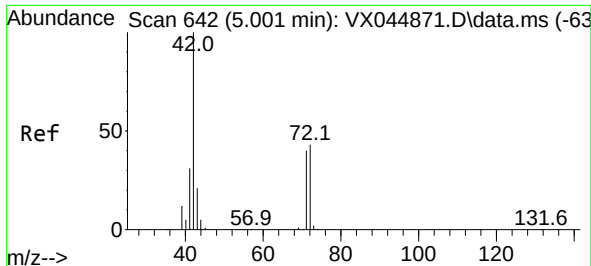
Ion Ratio Lower Upper

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 :

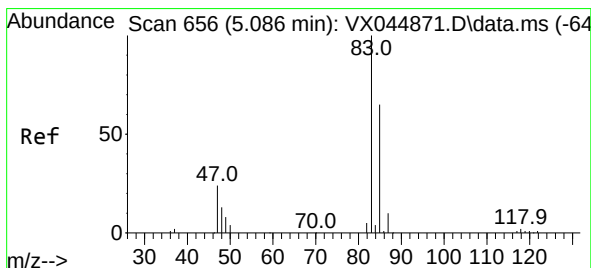
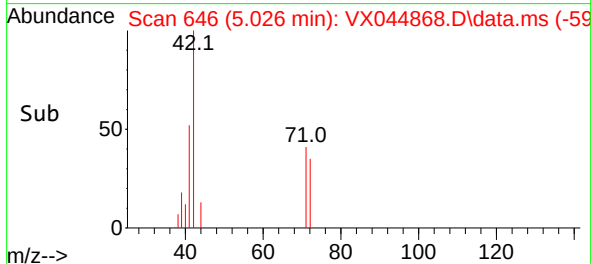
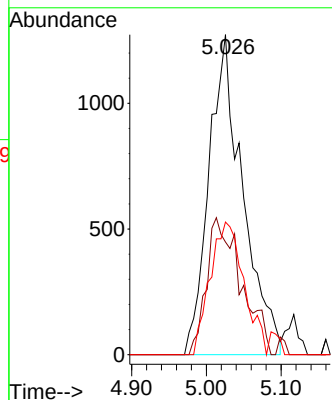
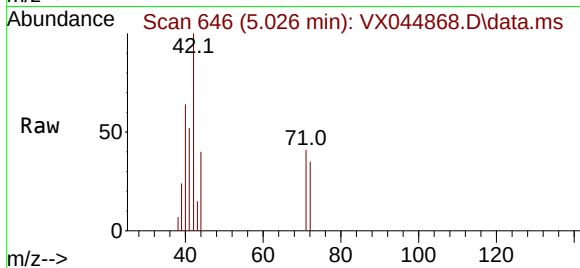
MSVOA_X

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

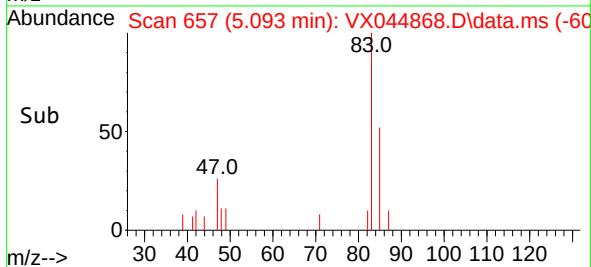
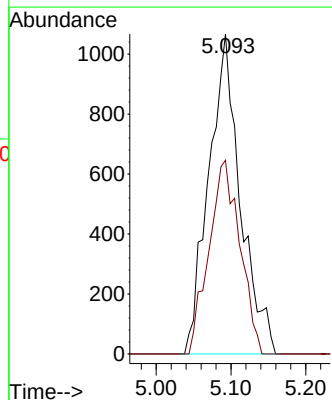
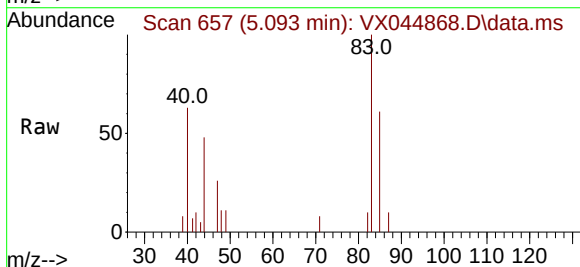
Delta R.T. 0.006 min

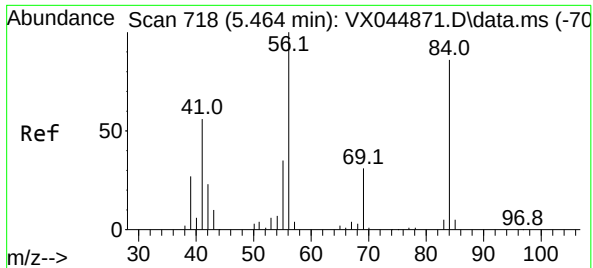
Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion: 83 Resp: 3132

Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.1	78.1

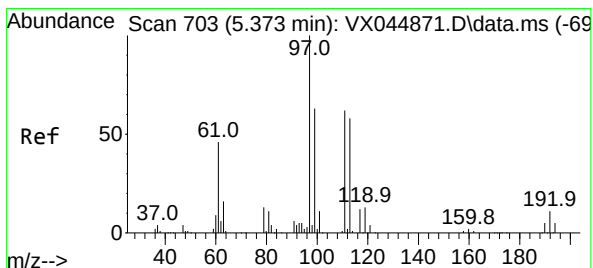
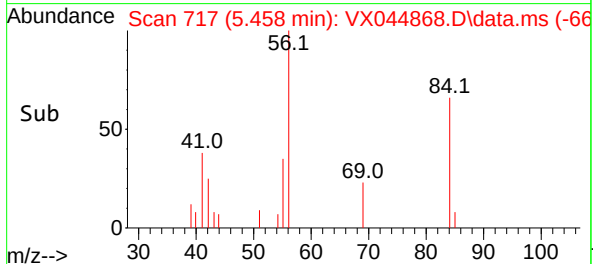
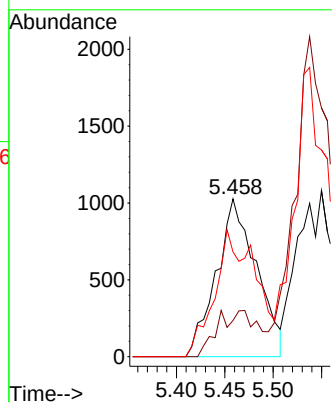
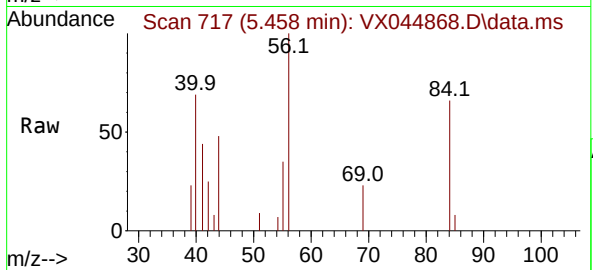




#31
Cyclohexane
Concen: 0.971 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

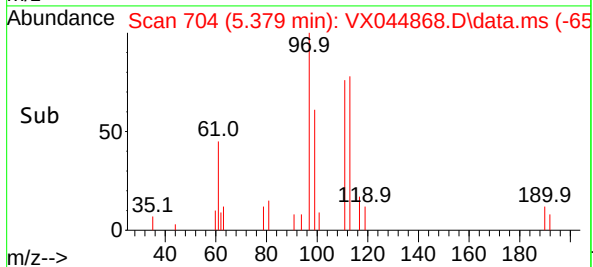
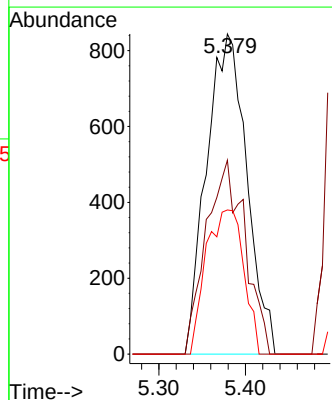
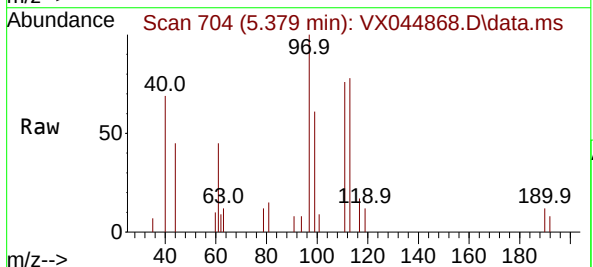
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

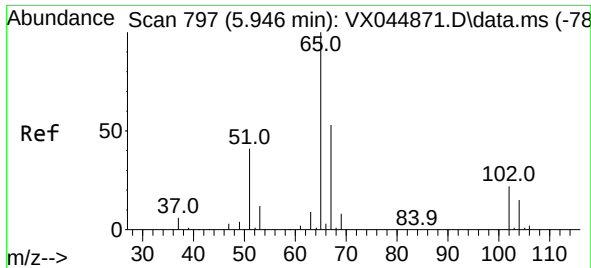
Tgt Ion: 56 Resp: 2960
Ion Ratio Lower Upper
56 100
69 23.0 24.4 36.6#
84 66.4 69.0 103.6#



#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 :

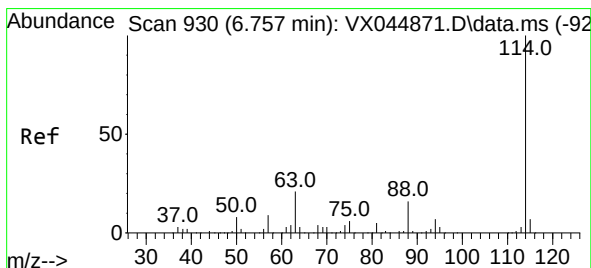
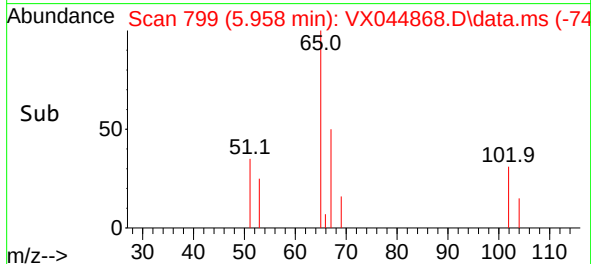
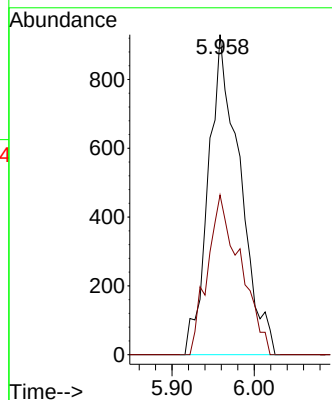
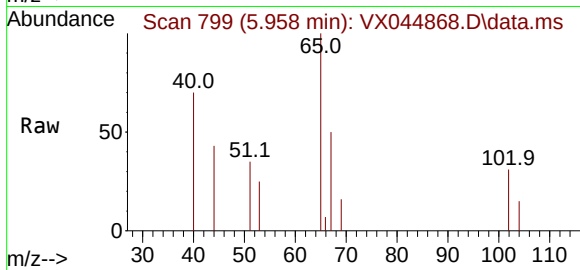
VSTDIC001

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

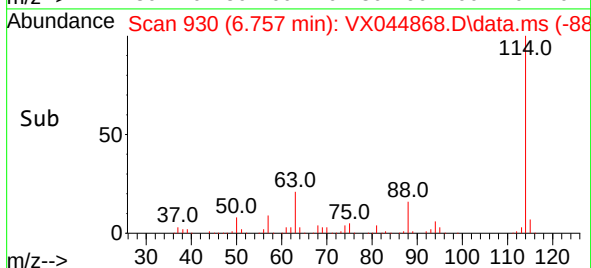
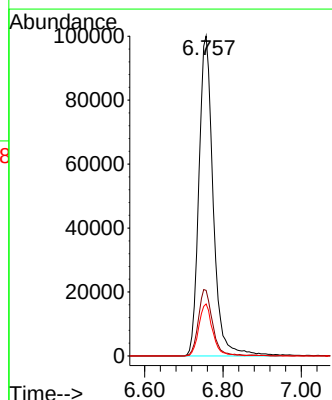
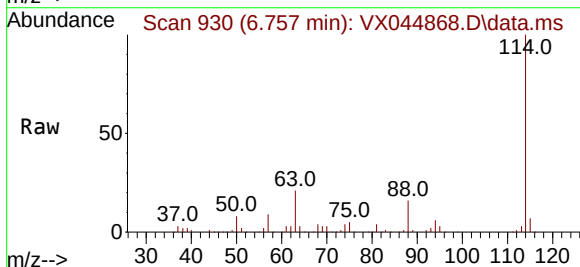
Tgt Ion: 114 Resp: 254149

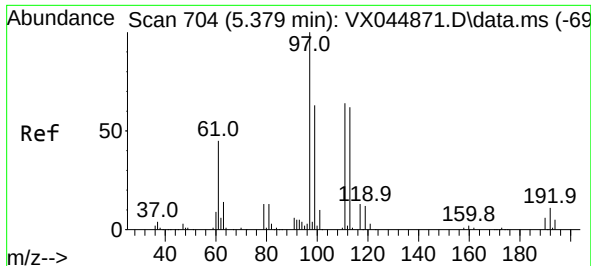
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

88 16.3 0.0 31.4

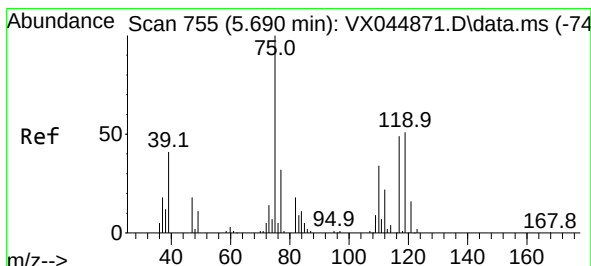
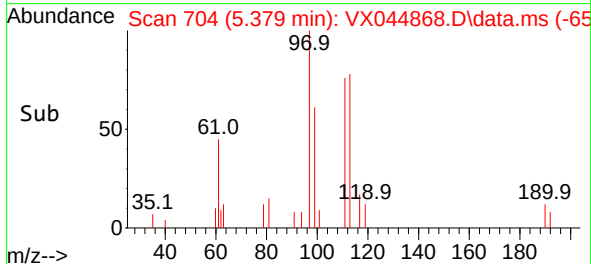
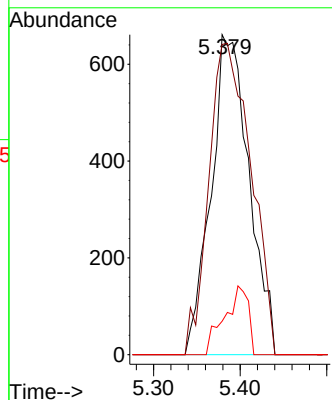
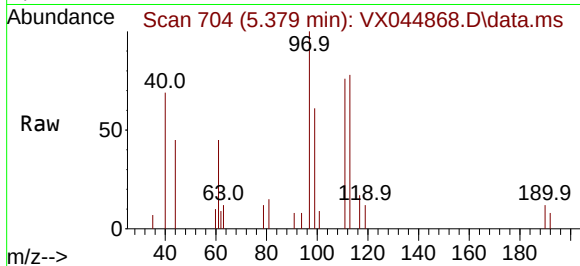




#35
Dibromofluoromethane
Concen: 1.218 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

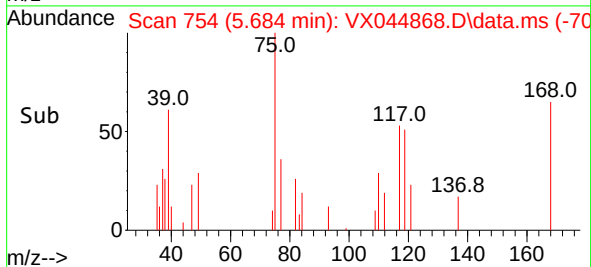
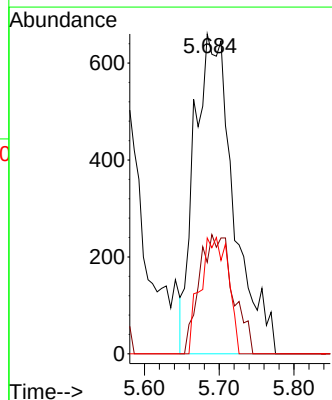
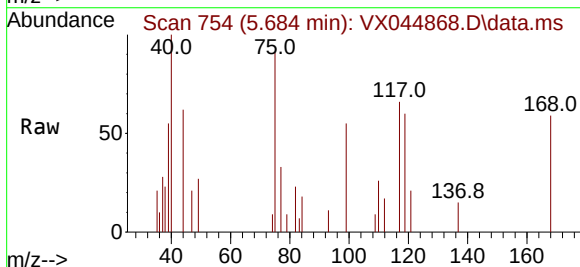
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

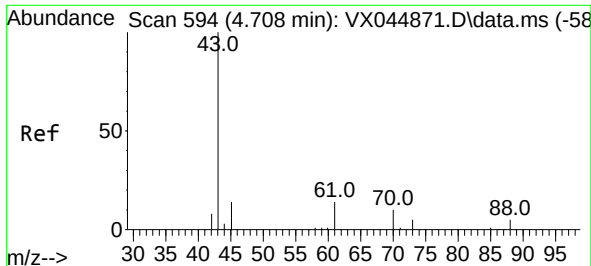
Tgt Ion:113 Resp: 2013
Ion Ratio Lower Upper
113 100
111 107.9 83.5 125.3
192 13.4 14.4 21.6#



#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 :

VSTDIC001

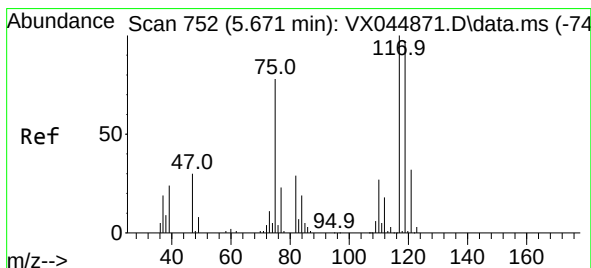
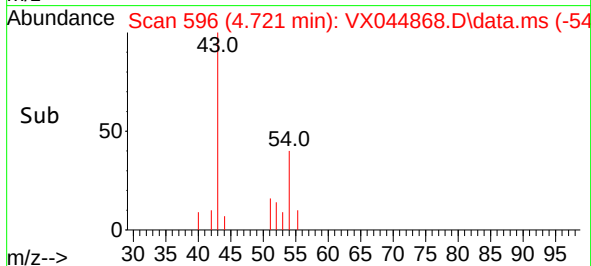
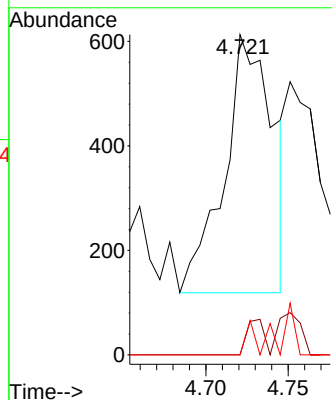
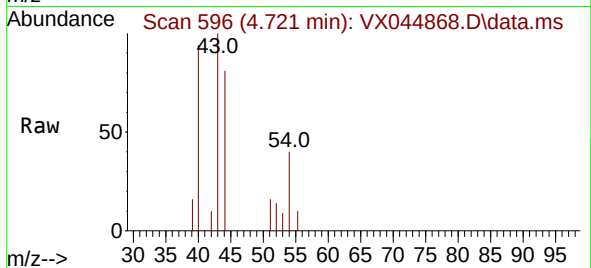
Tgt Ion: 43 Resp: 1004

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

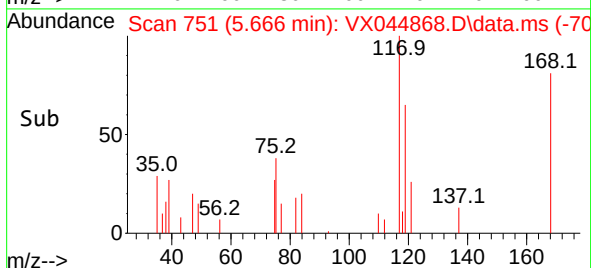
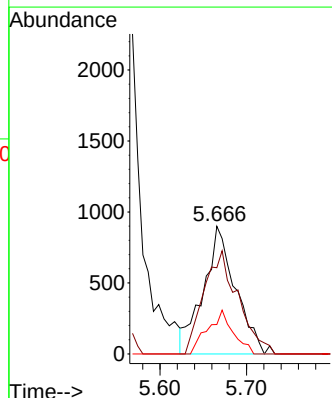
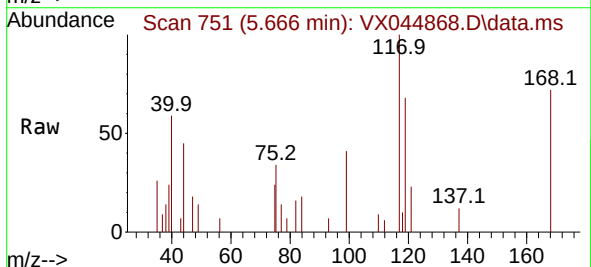
Tgt Ion: 117 Resp: 2322

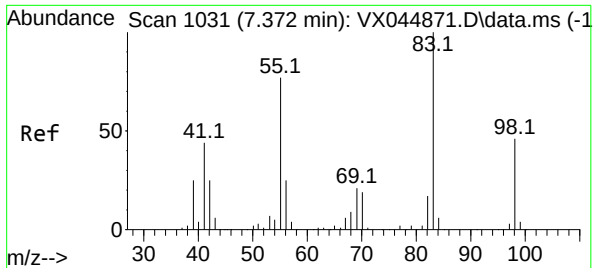
Ion Ratio Lower Upper

117 100

119 67.5 77.5 116.3#

121 23.0 25.6 38.4#

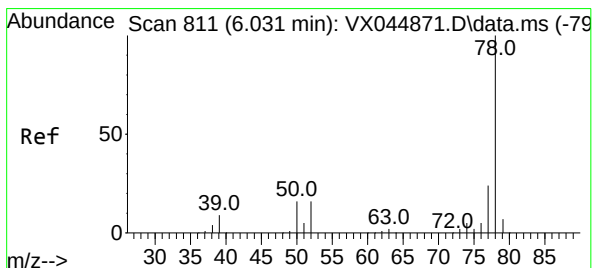
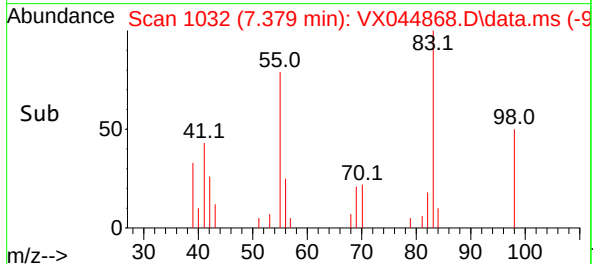
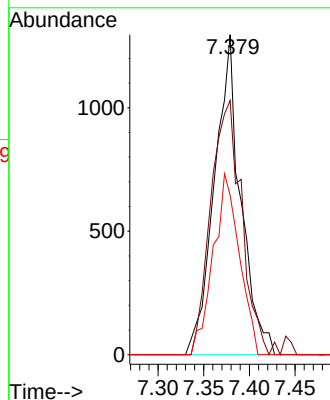
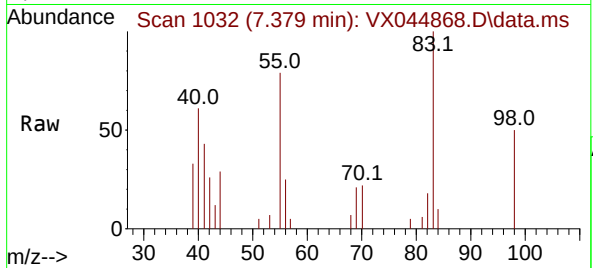




#39
Methylcyclohexane
Concen: 0.840 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

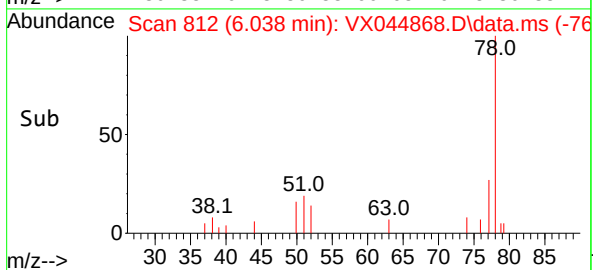
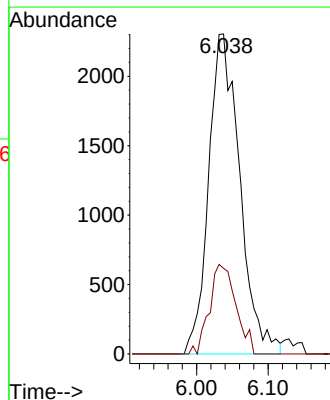
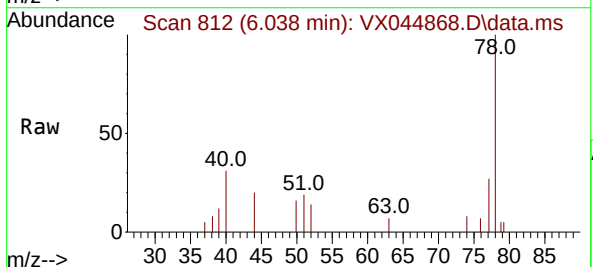
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

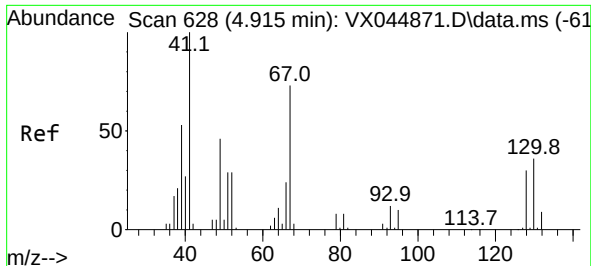
Tgt Ion: 83 Resp: 2589
Ion Ratio Lower Upper
83 100
55 79.4 61.3 91.9
98 49.8 37.0 55.6



#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

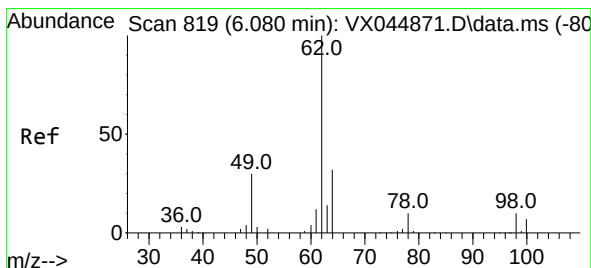
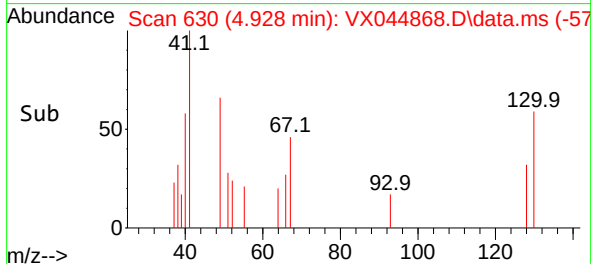
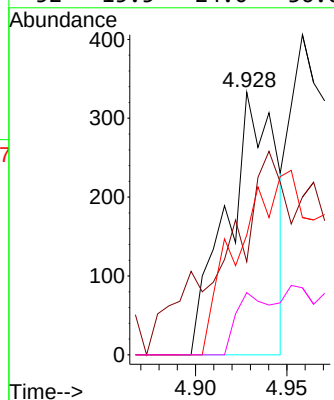
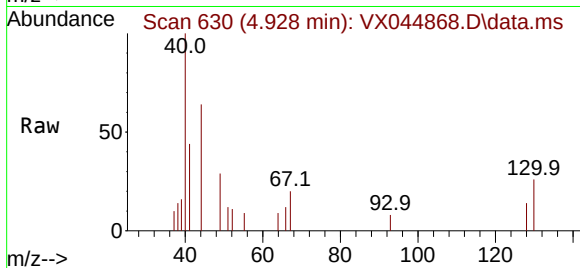




#41
Methacrylonitrile
Concen: 0.438 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

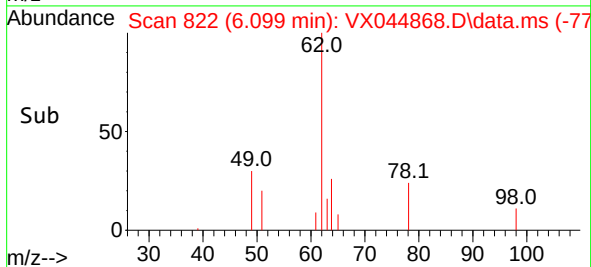
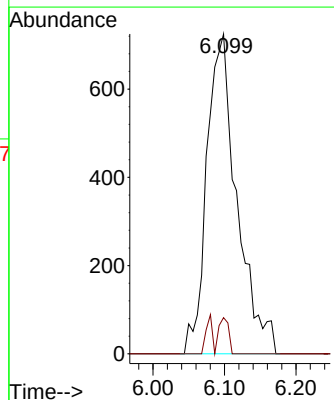
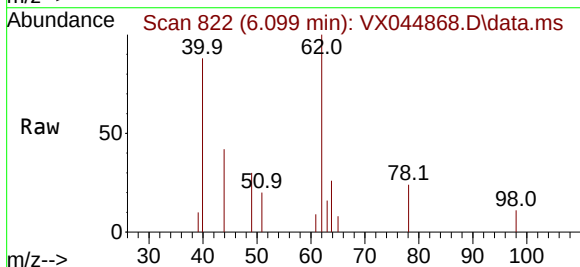
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

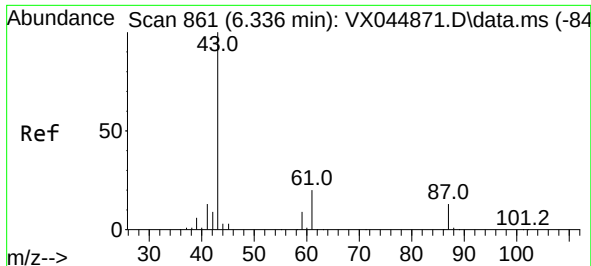
Tgt Ion:	41	Resp:	621
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.1	64.7#
67	0.0	57.0	85.6#
52	15.5	24.0	36.0#



#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

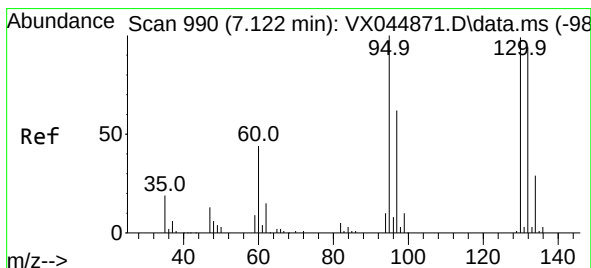
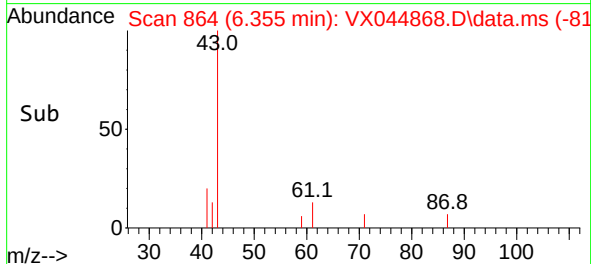
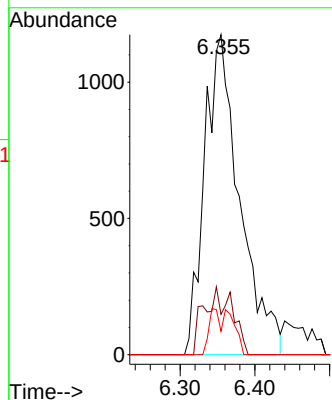
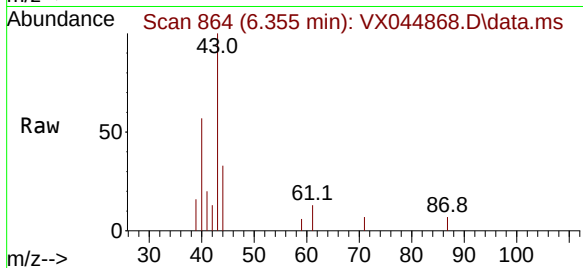




#43
Isopropyl Acetate
Concen: 0.897 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

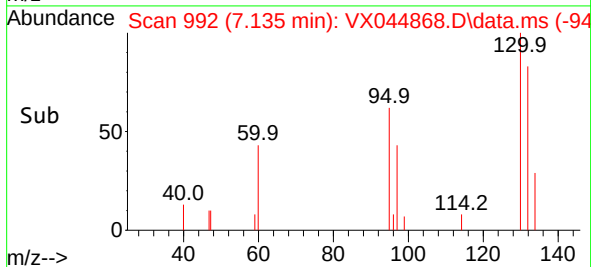
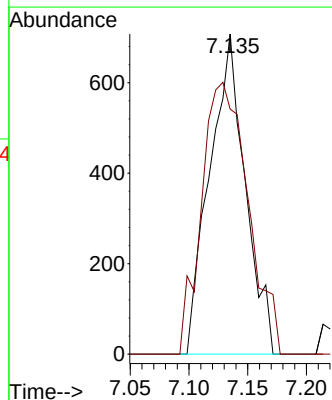
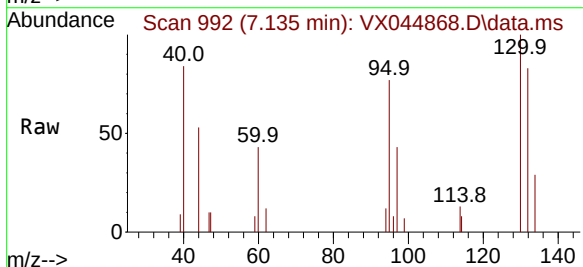
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

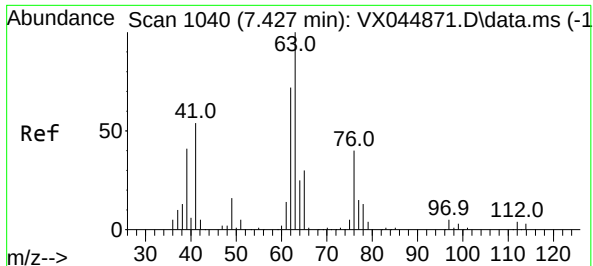
Tgt Ion: 43 Resp: 3839
Ion Ratio Lower Upper
43 100
61 16.9 15.8 23.8
87 4.6 10.0 15.0#



#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 :

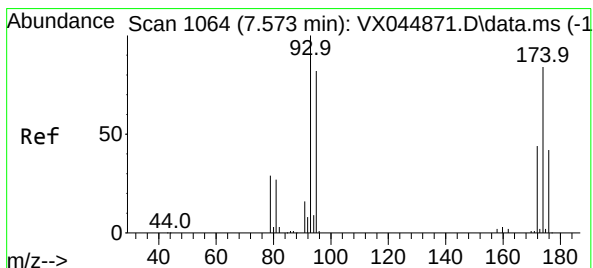
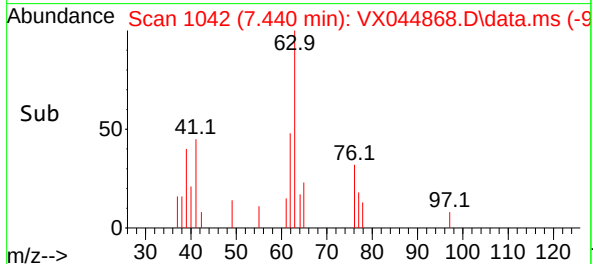
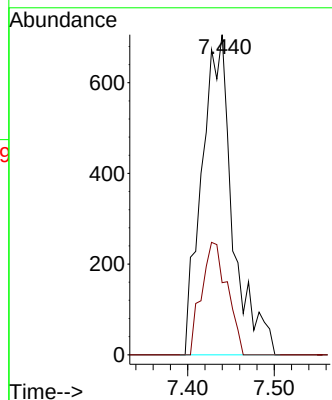
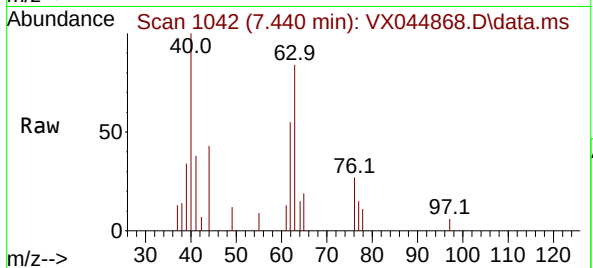
VSTDIC001

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

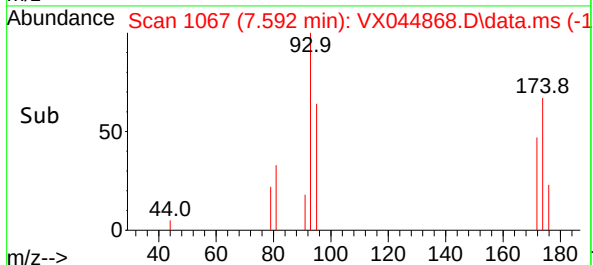
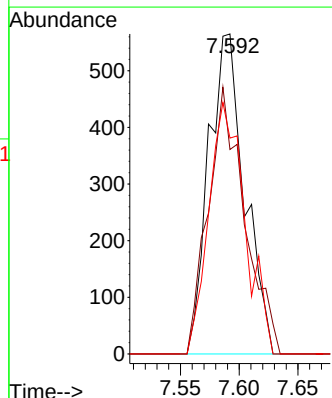
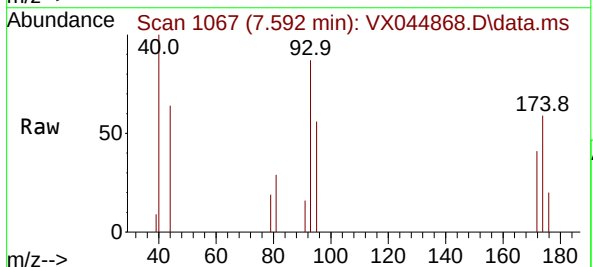
Tgt Ion: 93 Resp: 1202

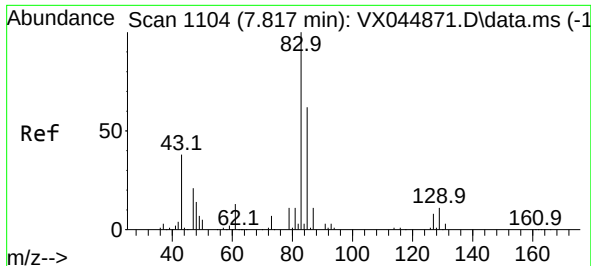
Ion Ratio Lower Upper

93 100

95 84.3 66.2 99.4

174 79.3 69.9 104.9

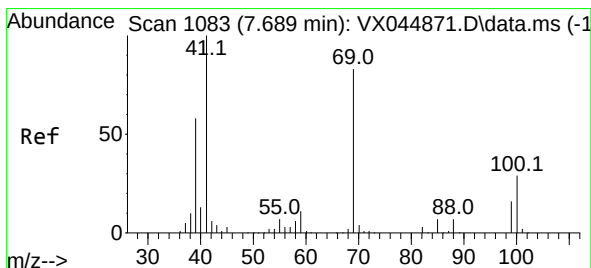
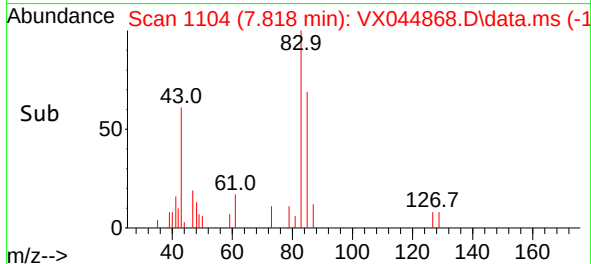
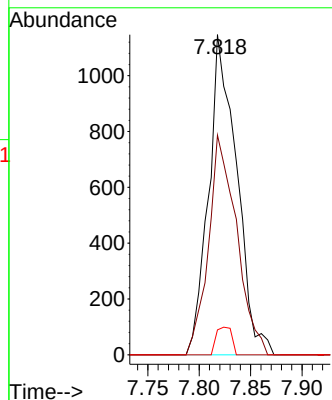
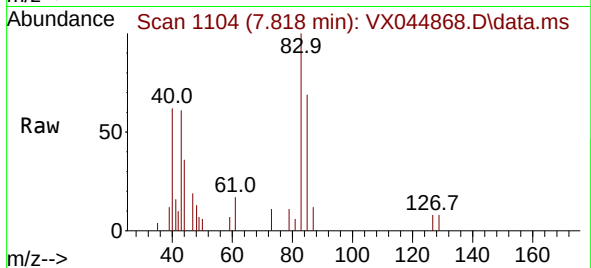




#47
Bromodichloromethane
Concen: 0.875 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

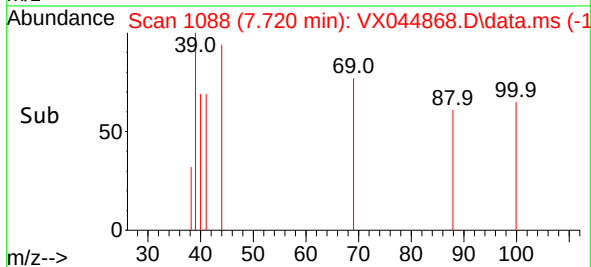
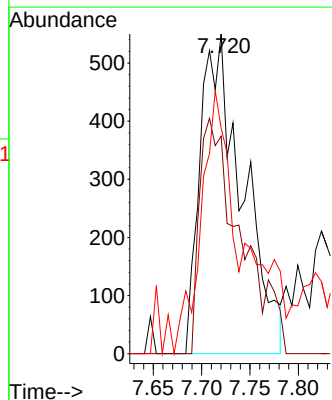
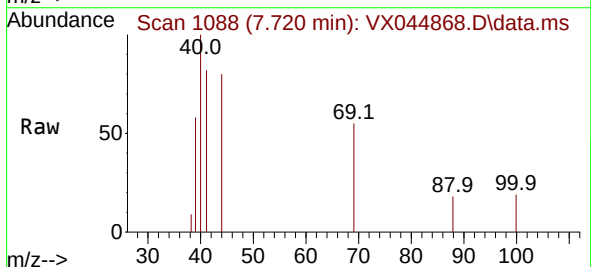
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

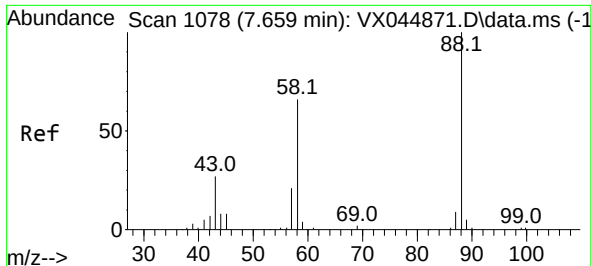
Tgt Ion:	83	Resp:	2176
Ion	Ratio	Lower	Upper
83	100		
85	68.6	50.0	75.0
127	7.8	6.4	9.6



#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# 1

Delta R.T. 0.037 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

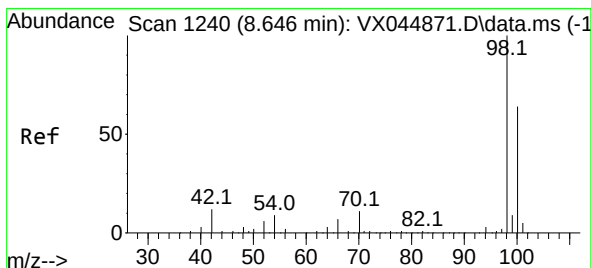
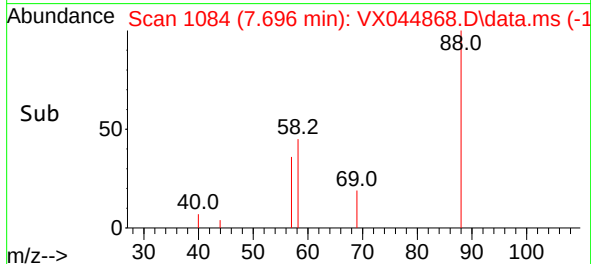
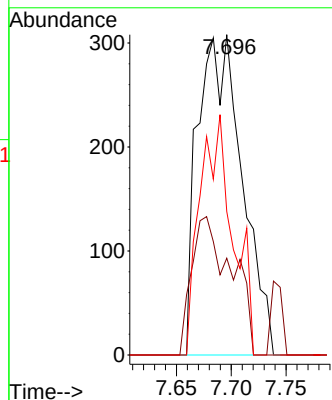
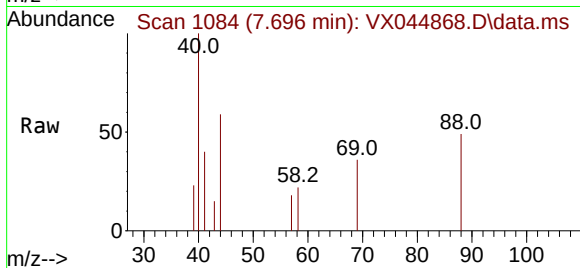
Tgt Ion: 88 Resp: 867

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

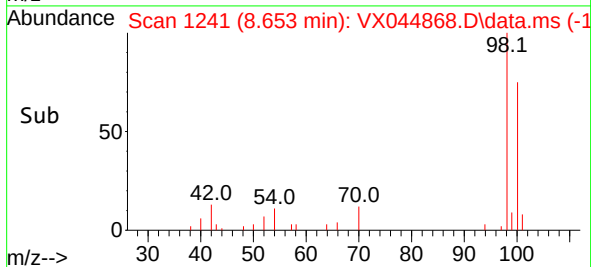
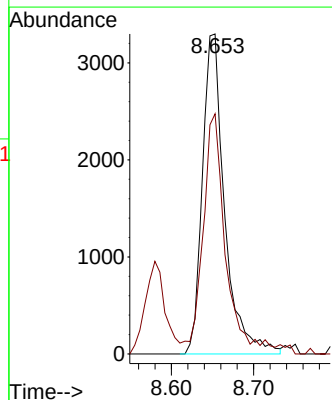
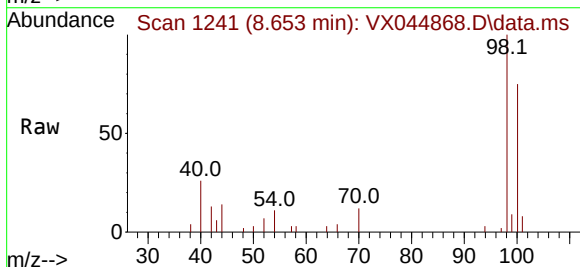
Acq: 10 Feb 2025 10:25

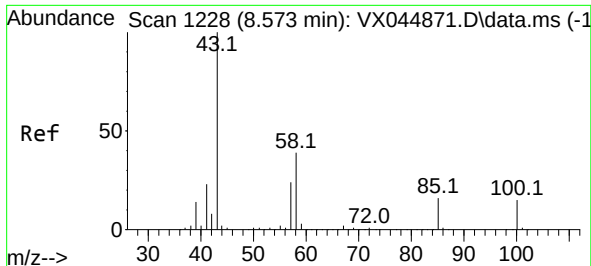
Tgt Ion: 98 Resp: 6195

Ion Ratio Lower Upper

98 100

100 70.7 52.7 79.1

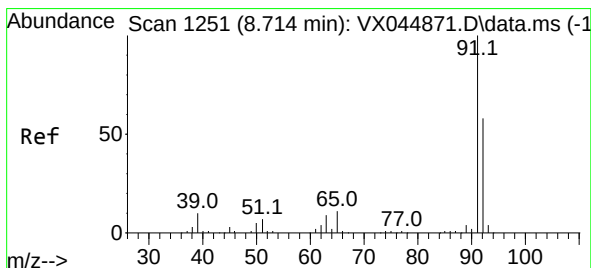
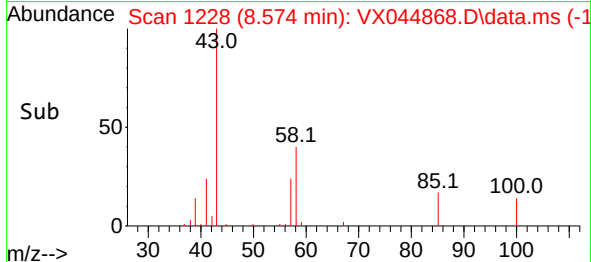
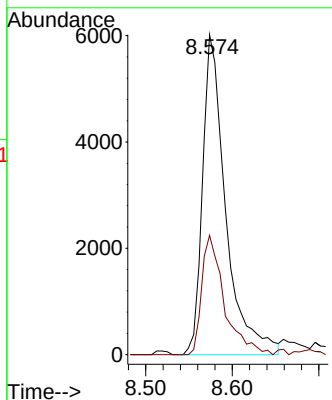
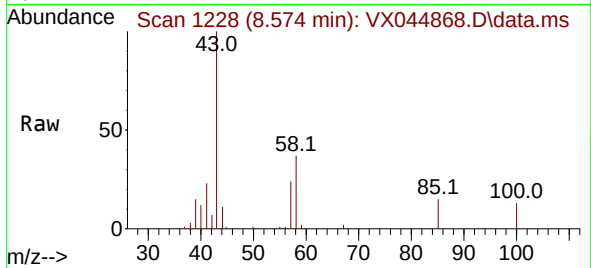




#51
4-Methyl-2-Pentanone
Concen: 4.290 ug/l
RT: 8.574 min Scan# 11169
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

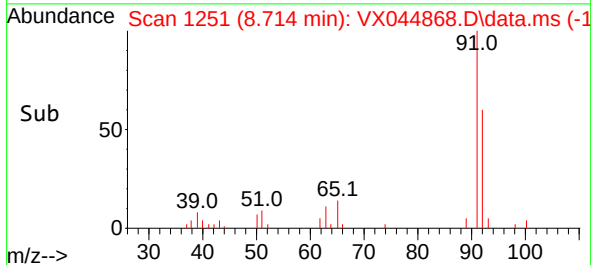
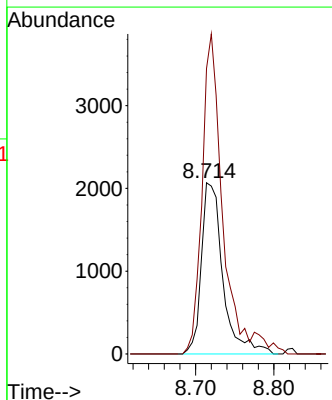
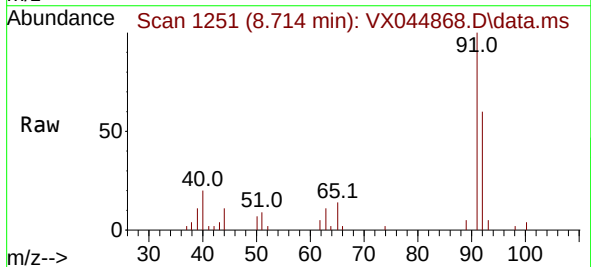
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

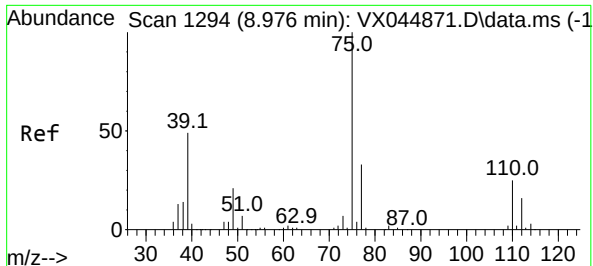
Tgt Ion: 43 Resp: 11169
Ion Ratio Lower Upper
43 100
58 36.3 30.8 46.2



#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 :

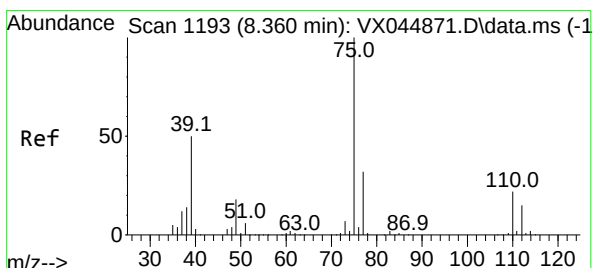
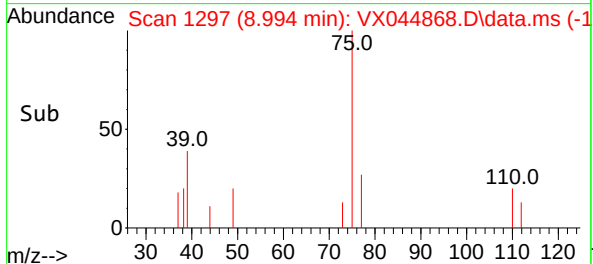
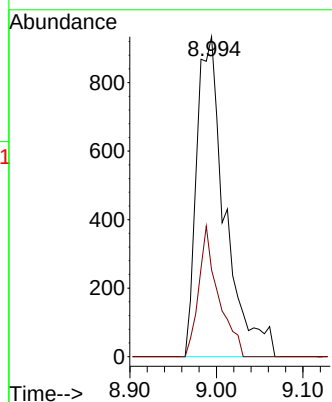
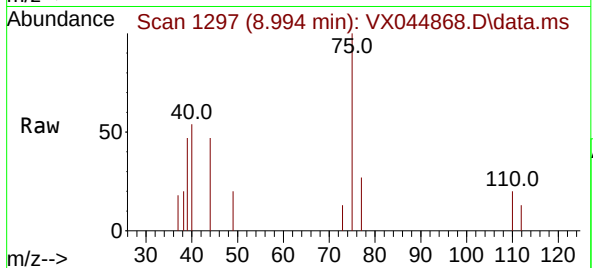
VSTDIC001

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

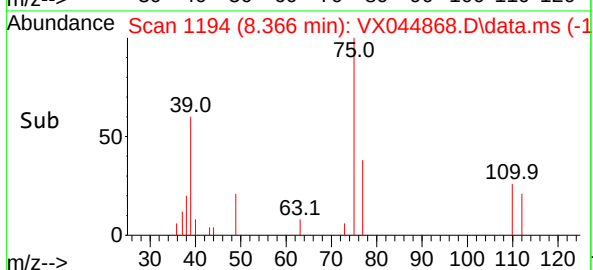
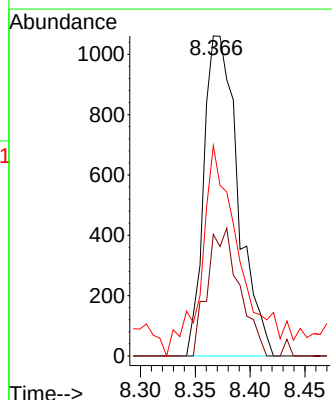
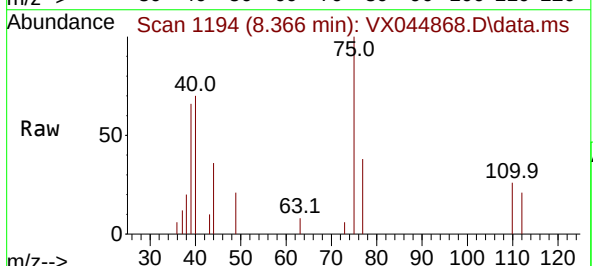
Tgt Ion: 75 Resp: 2300

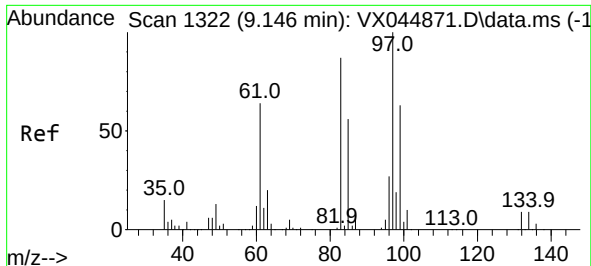
Ion Ratio Lower Upper

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 :

VSTDIC001

Tgt Ion: 97 Resp: 1558

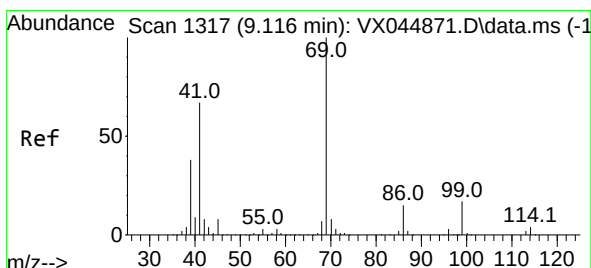
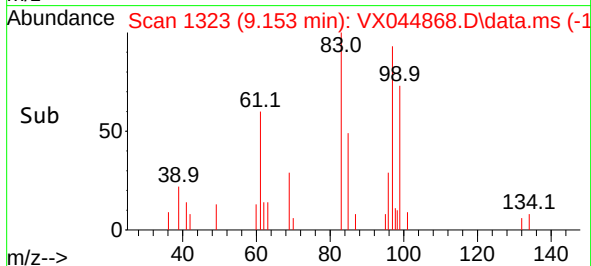
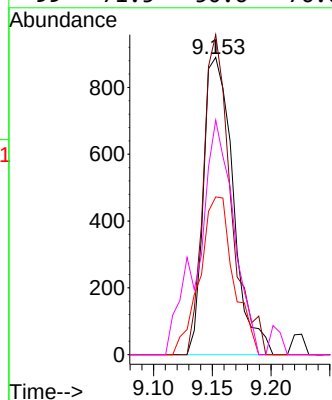
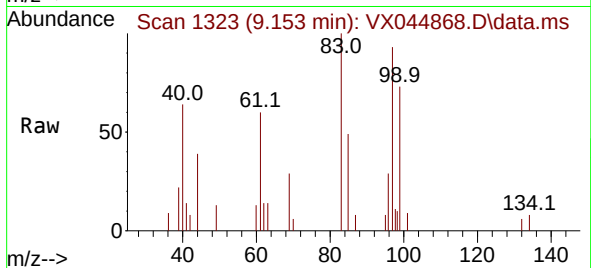
Ion Ratio Lower Upper

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

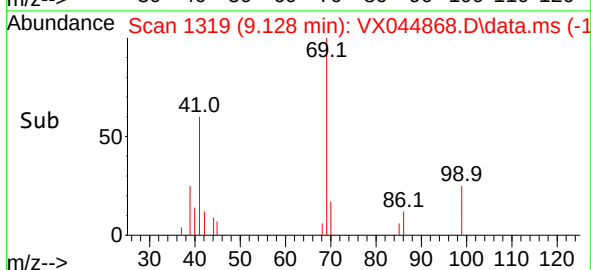
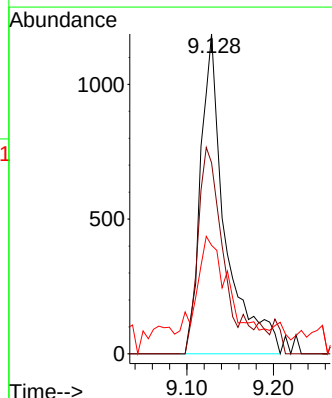
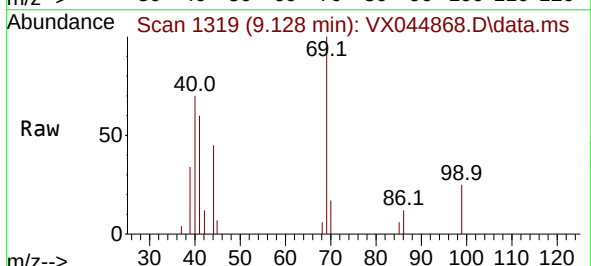
Tgt Ion: 69 Resp: 2346

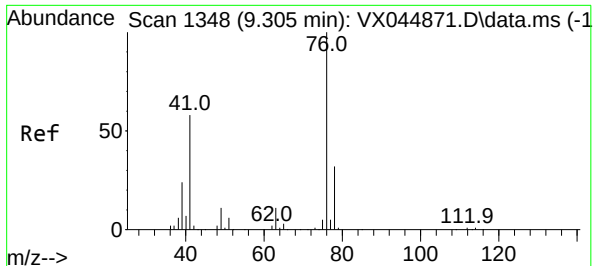
Ion Ratio Lower Upper

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 :

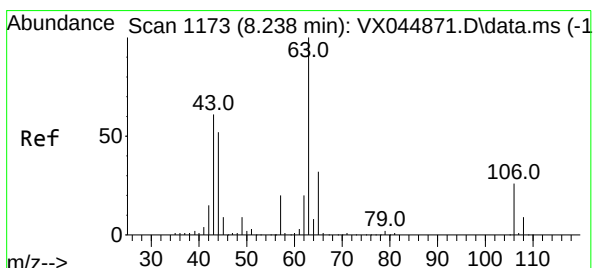
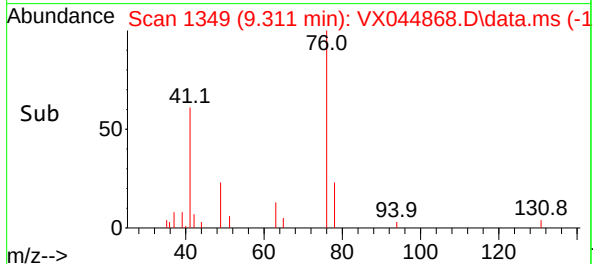
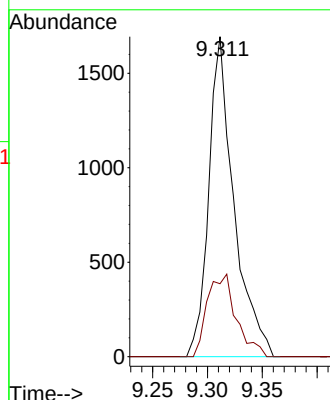
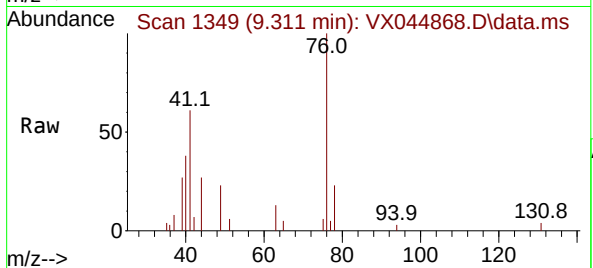
VSTDIC001

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

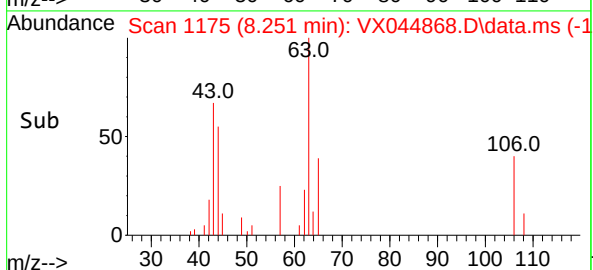
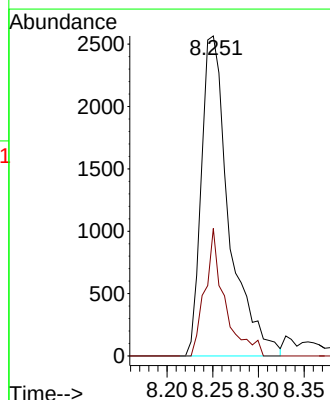
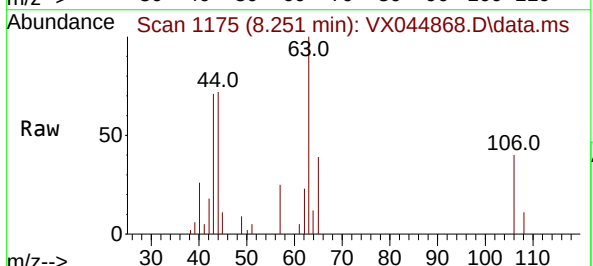
Acq: 10 Feb 2025 10:25

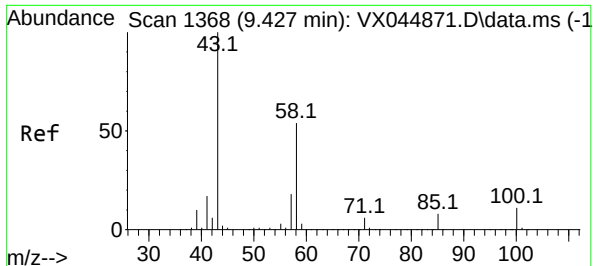
Tgt Ion: 63 Resp: 5401

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 :

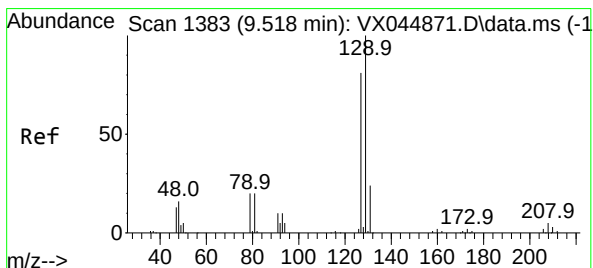
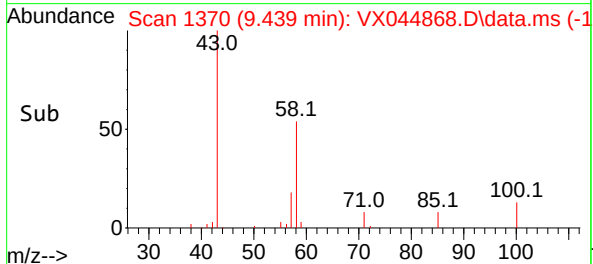
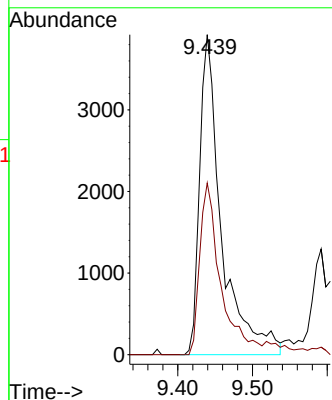
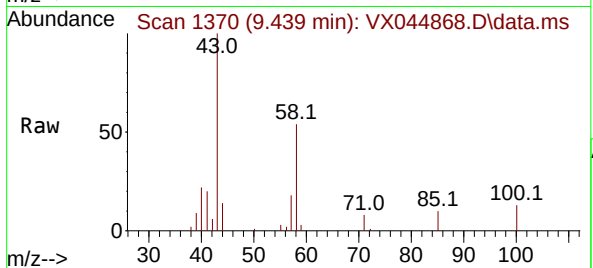
VSTDIC001

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

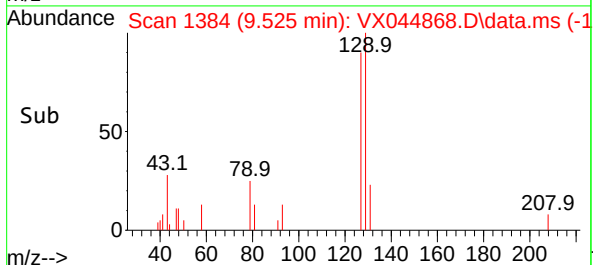
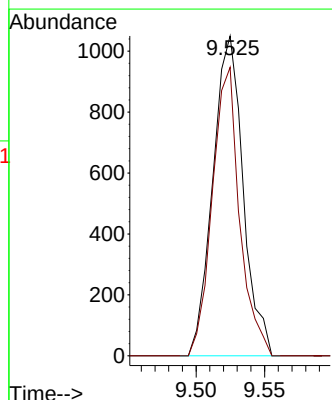
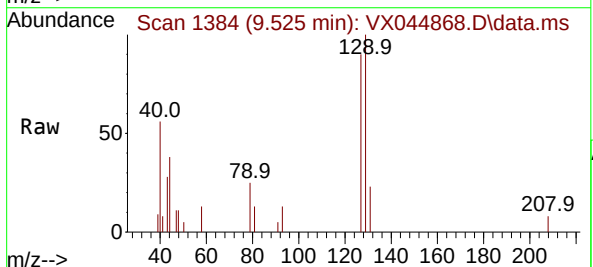
Acq: 10 Feb 2025 10:25

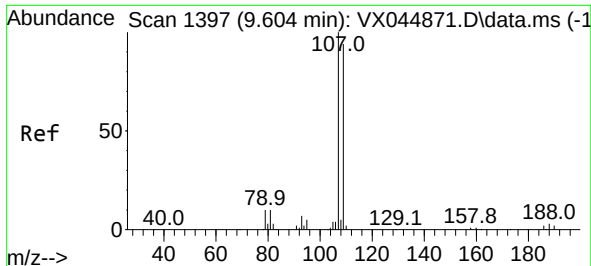
Tgt Ion: 129 Resp: 1613

Ion Ratio Lower Upper

129 100

127 81.3 39.1 117.3

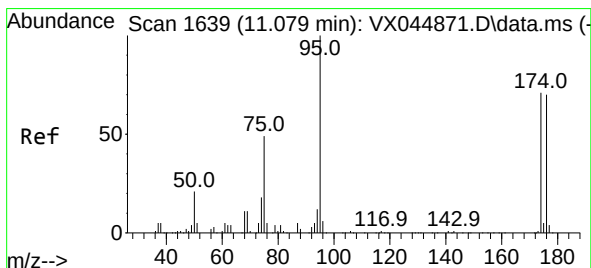
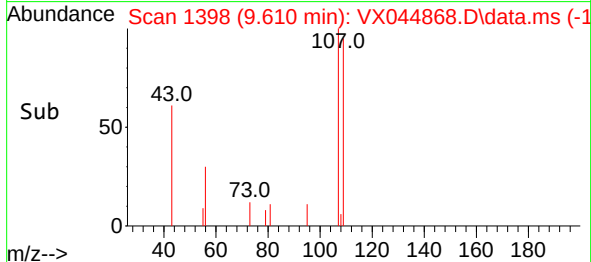
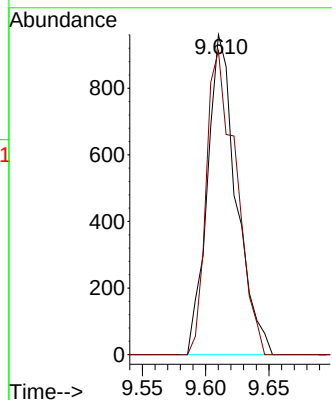
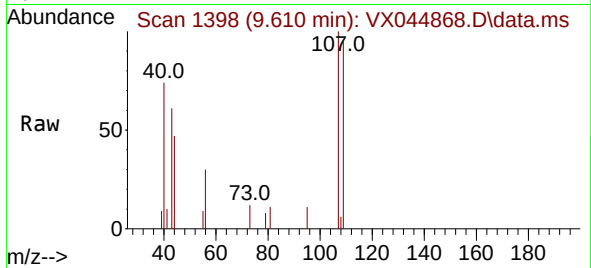




#61
1,2-Dibromoethane
Concen: 0.888 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

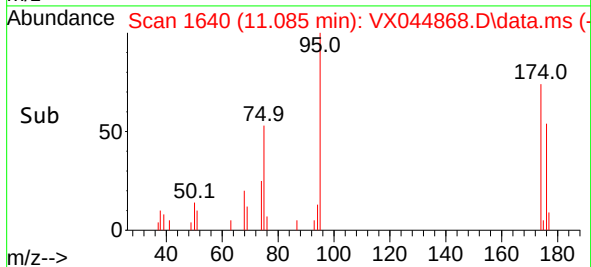
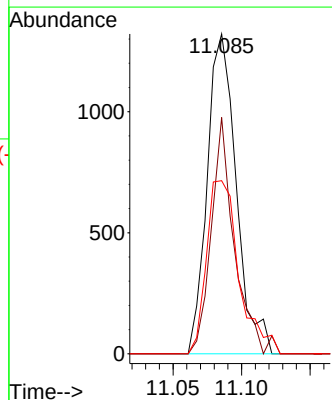
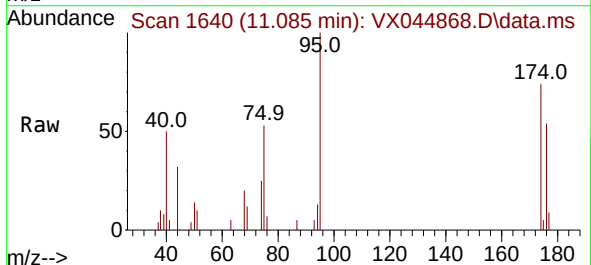
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

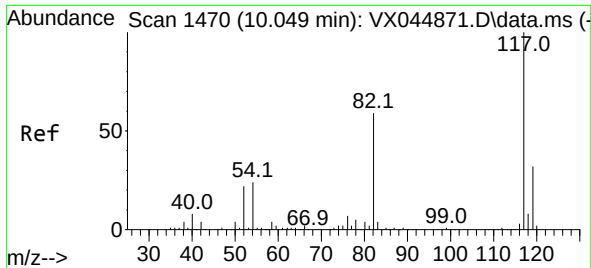
Tgt Ion:107 Resp: 1534
Ion Ratio Lower Upper
107 100
109 97.4 75.9 113.9



#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

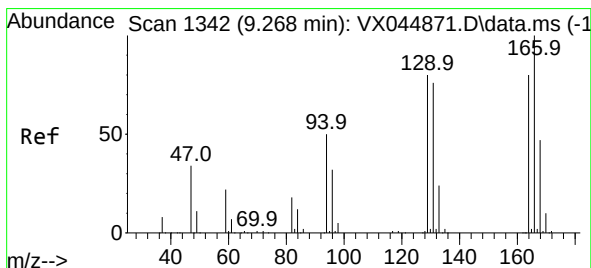
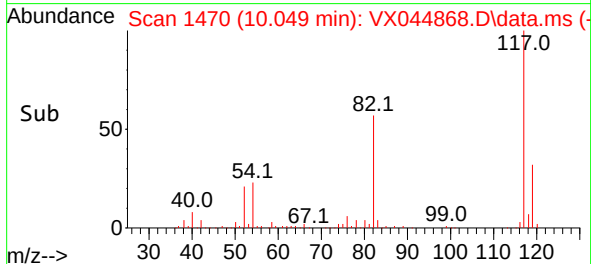
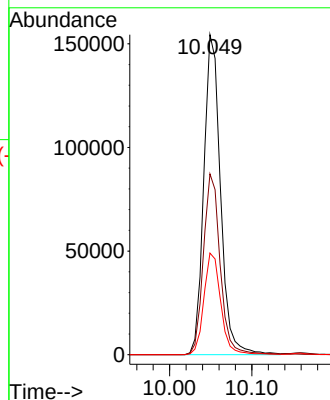
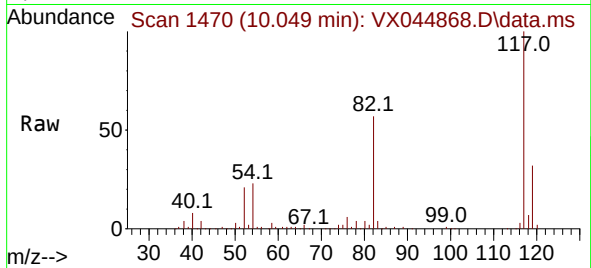




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

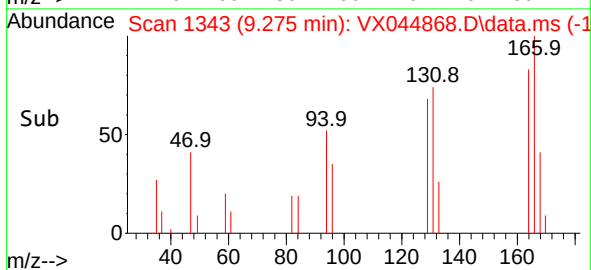
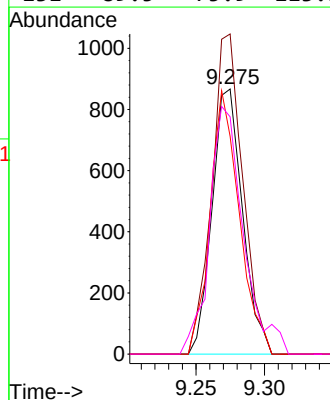
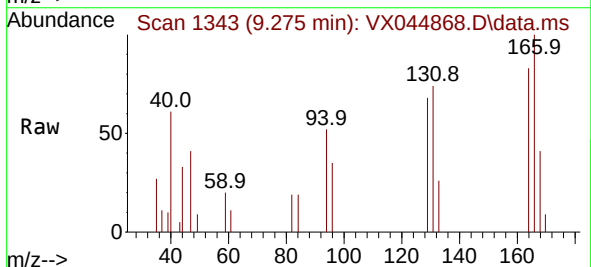
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

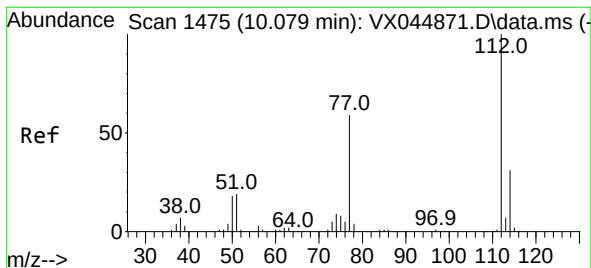
Tgt Ion:117 Resp: 218570
Ion Ratio Lower Upper
117 100
82 56.5 47.5 71.3
119 31.8 25.4 38.0



#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

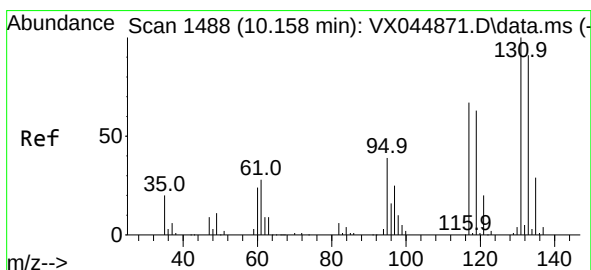
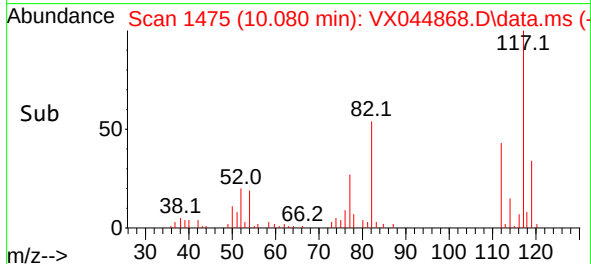
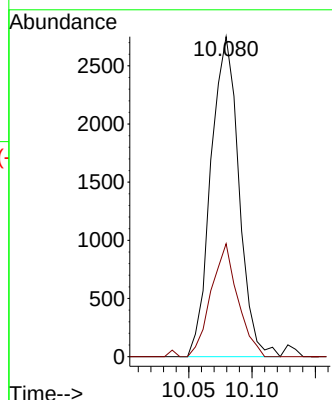
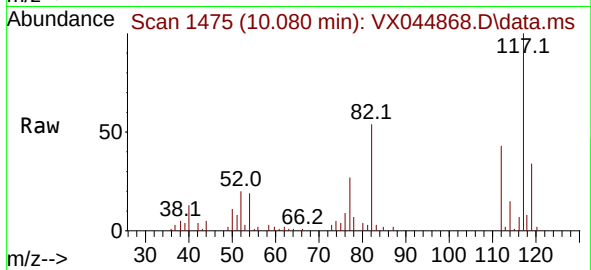




#65
Chlorobenzene
Concen: 0.902 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

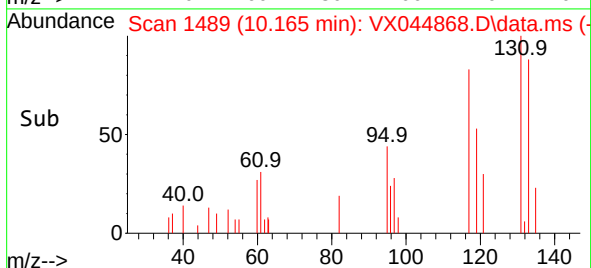
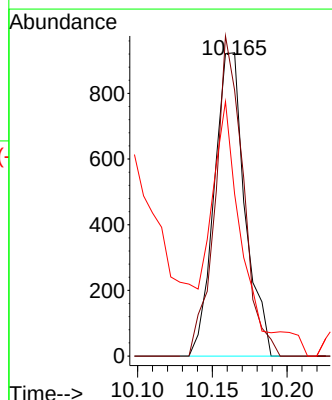
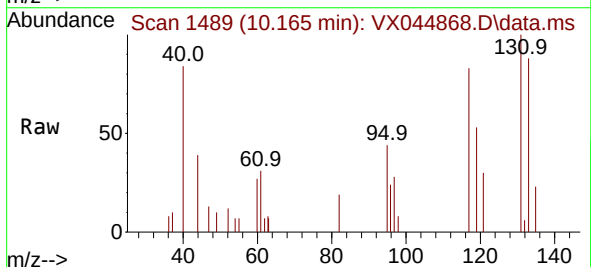
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

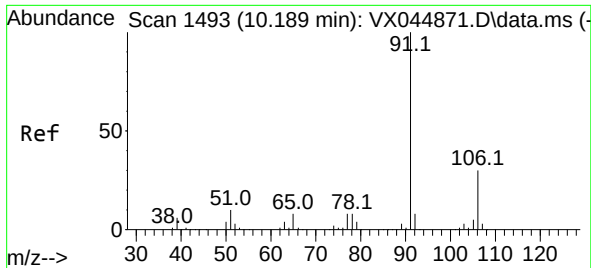
Tgt Ion:112 Resp: 4234
Ion Ratio Lower Upper
112 100
114 35.3 25.0 37.6



#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 :

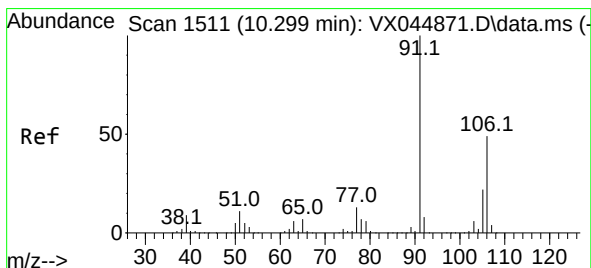
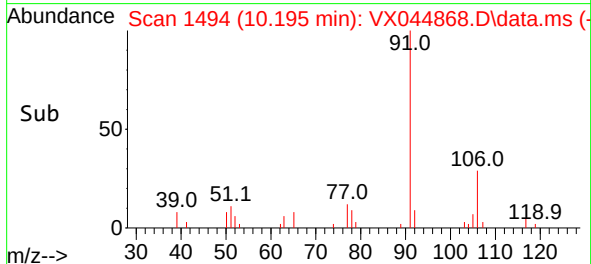
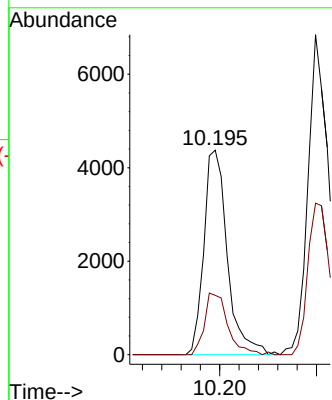
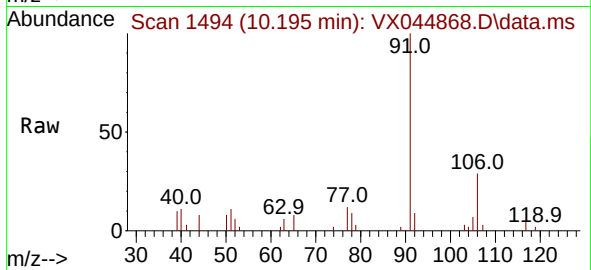
VSTDIC001

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

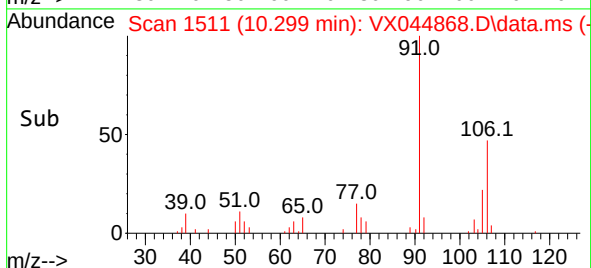
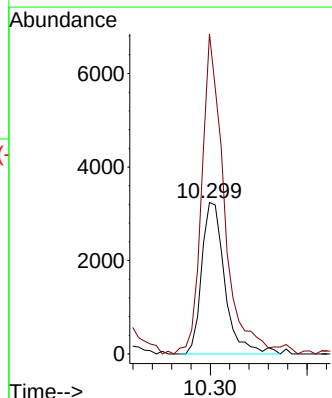
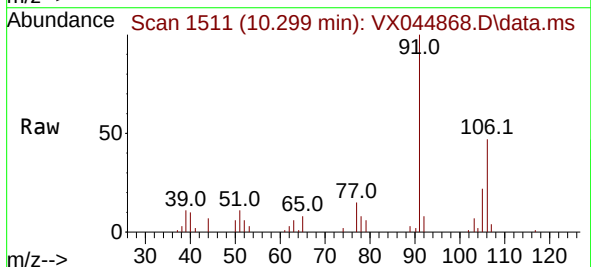
Acq: 10 Feb 2025 10:25

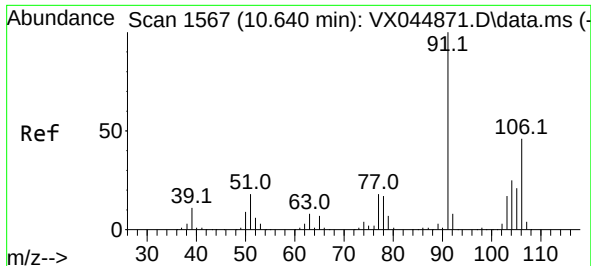
Tgt Ion: 106 Resp: 5387

Ion Ratio Lower Upper

106 100

91 204.7 164.3 246.5

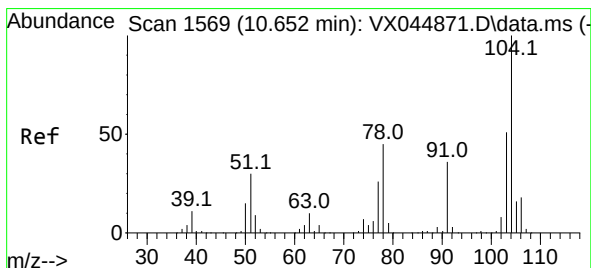
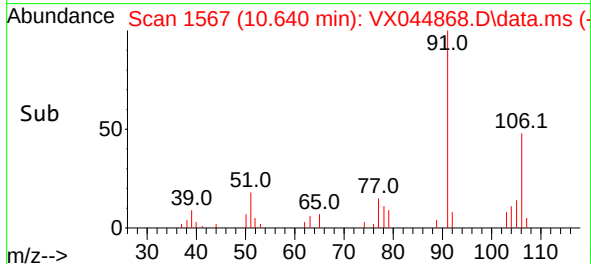
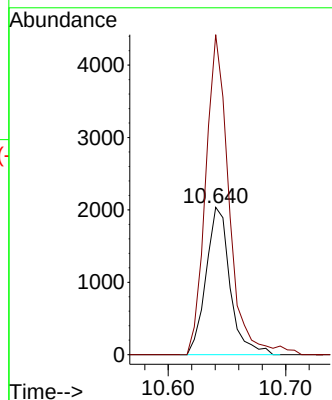
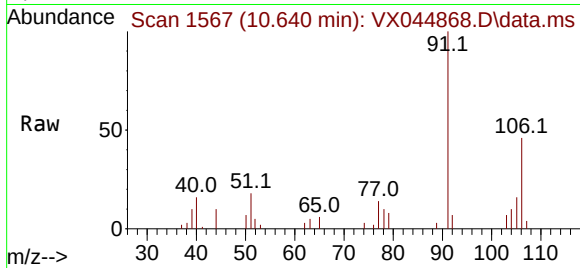




#69
o-Xylene
Concen: 0.942 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

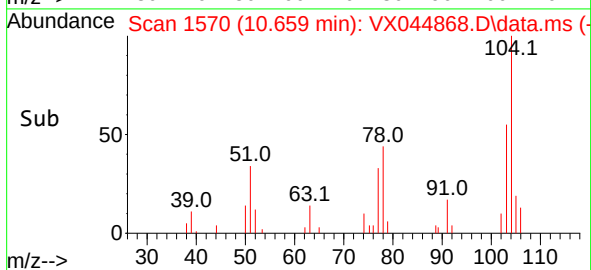
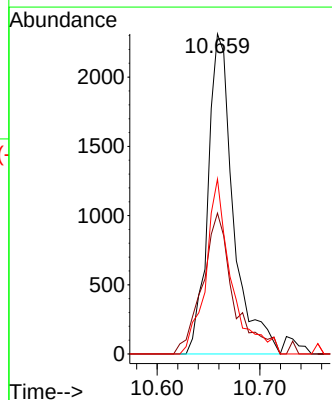
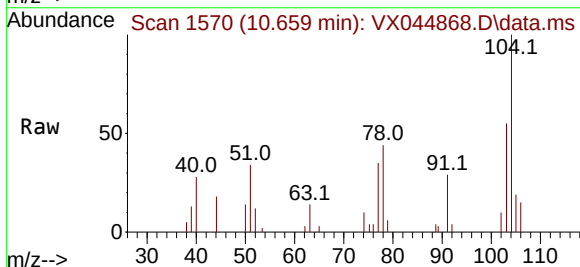
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

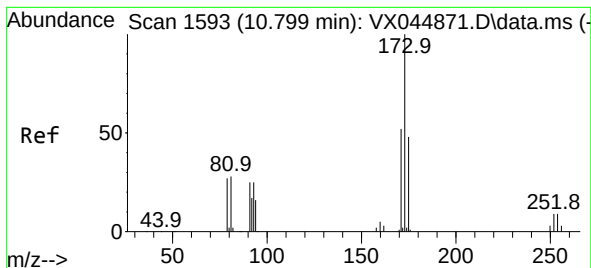
Tgt Ion:106 Resp: 2889
Ion Ratio Lower Upper
106 100
91 211.5 108.5 325.5



#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 :

VSTDICC001

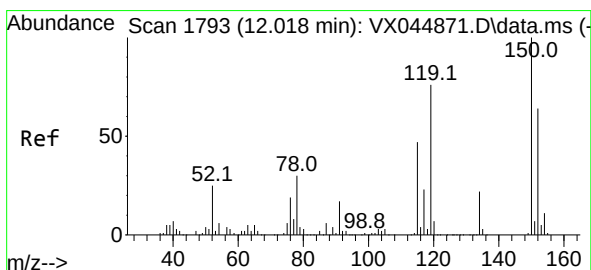
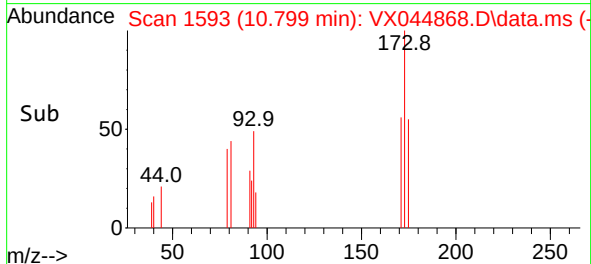
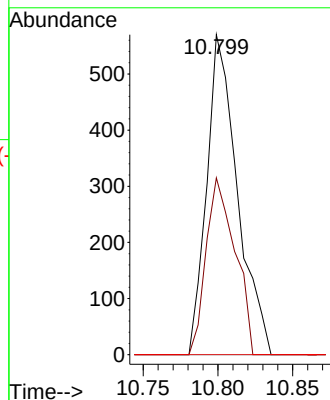
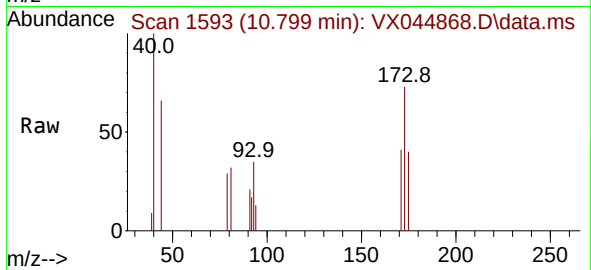
Tgt Ion:173 Resp: 813

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

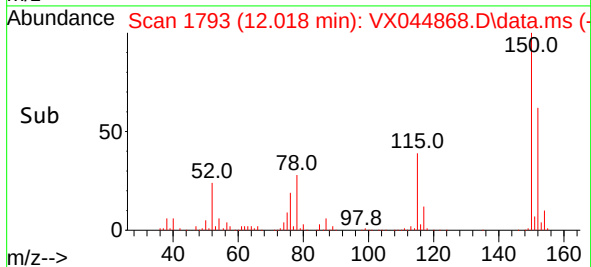
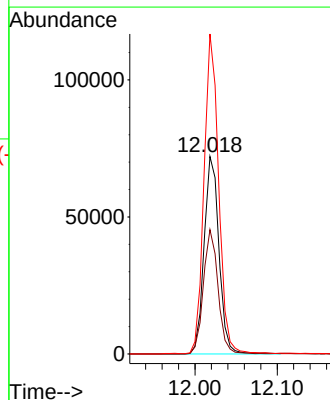
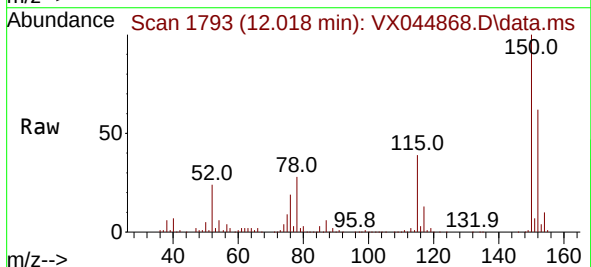
Tgt Ion:152 Resp: 90733

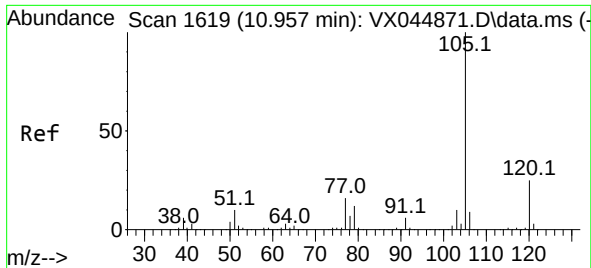
Ion Ratio Lower Upper

152 100

115 62.0 43.4 130.1

150 158.6 0.0 350.4

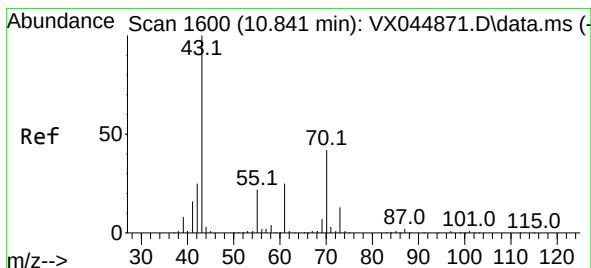
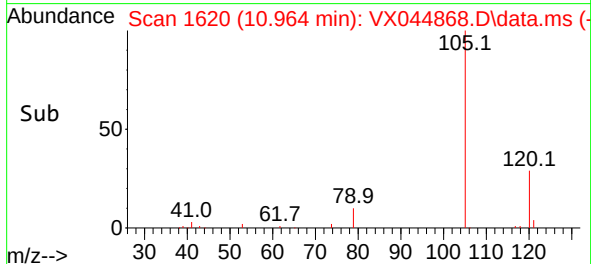
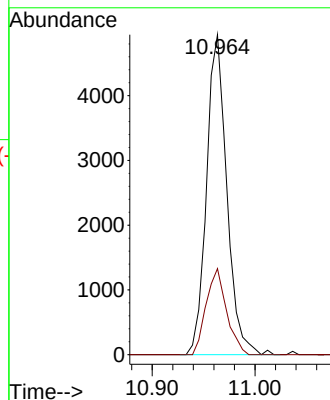
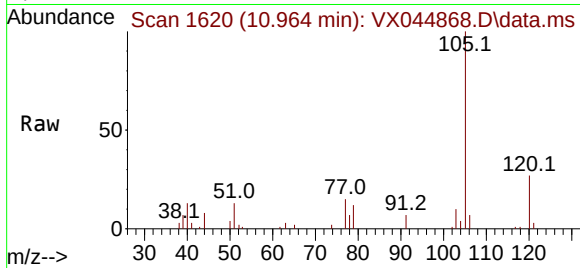




#73
Isopropylbenzene
Concen: 0.928 ug/l
RT: 10.964 min Scan# 1619
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

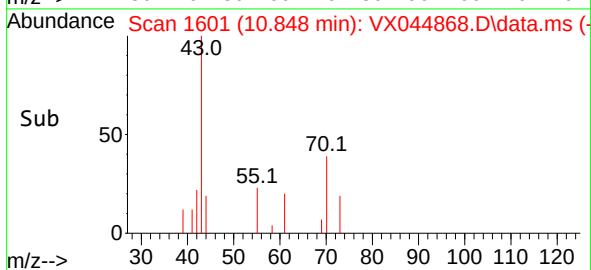
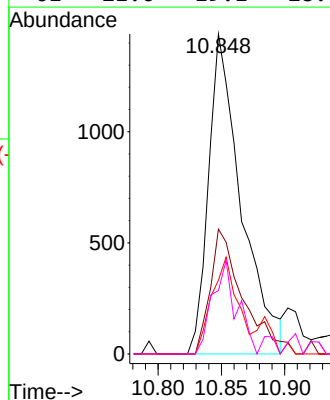
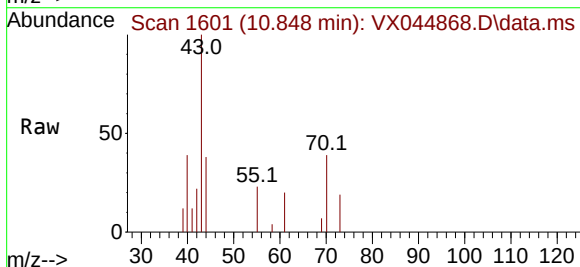
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

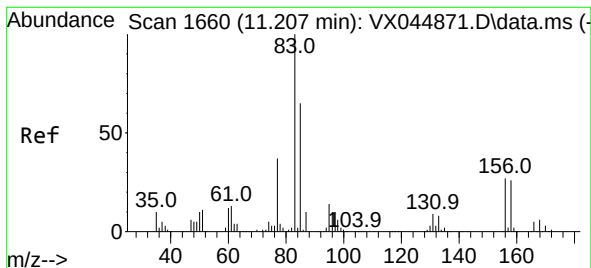
Tgt Ion:105 Resp: 6778
Ion Ratio Lower Upper
105 100
120 27.0 13.2 39.5



#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

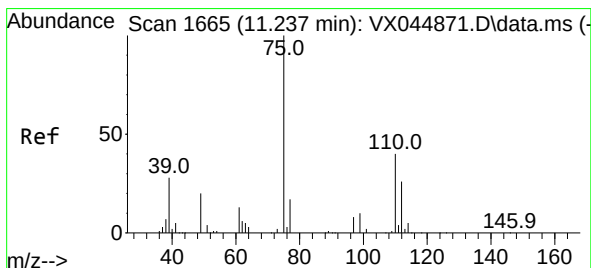
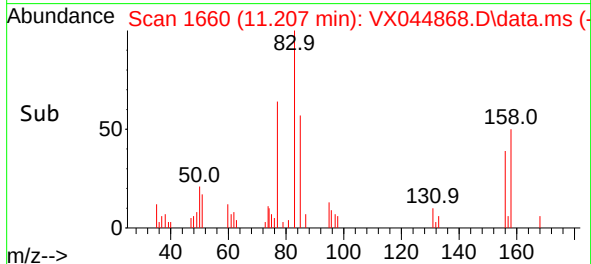
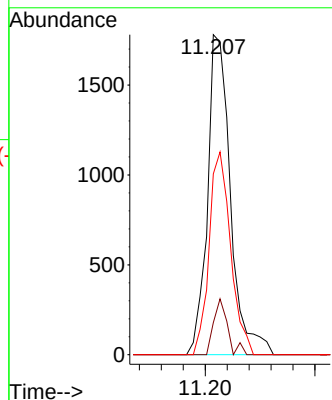
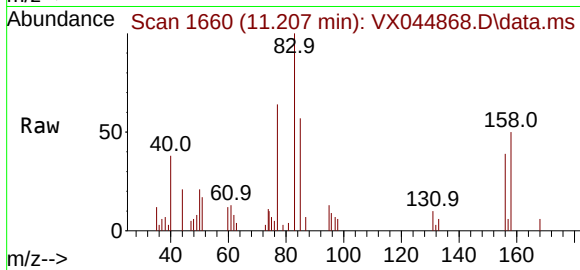




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.033 ug/l
 RT: 11.207 min Scan# 1660
 Delta R.T. 0.000 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

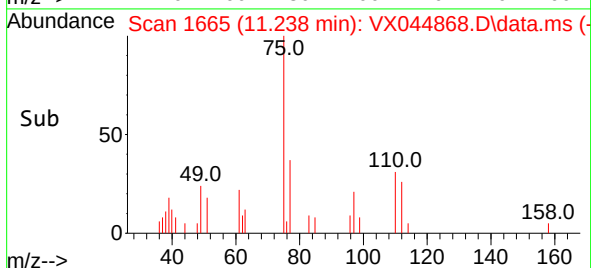
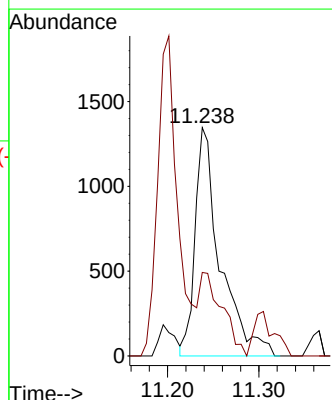
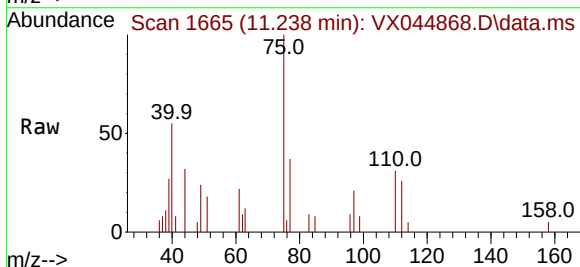
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

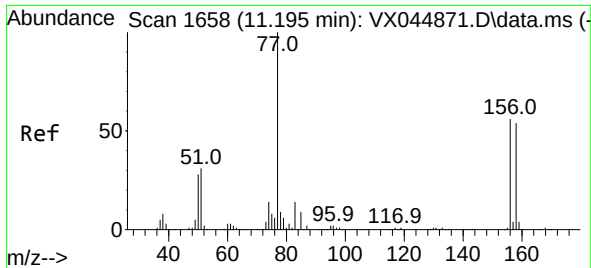
Tgt Ion: 83 Resp: 2594
 Ion Ratio Lower Upper
 83 100
 131 10.5 4.5 13.5
 85 59.2 32.3 96.8



#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

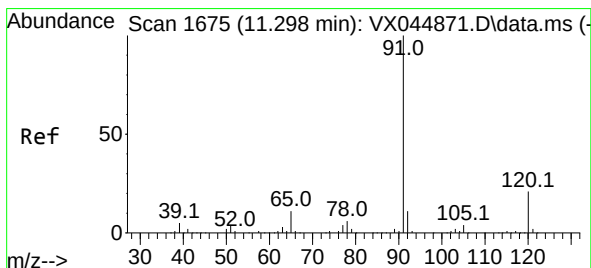
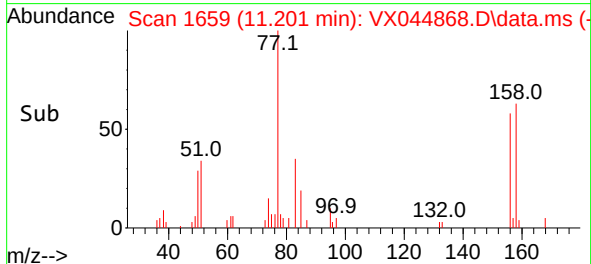
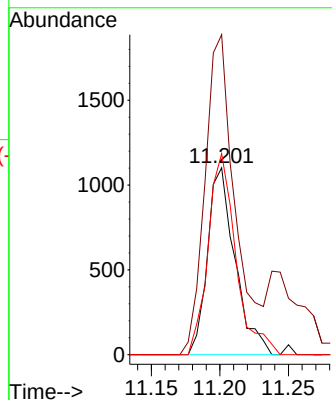
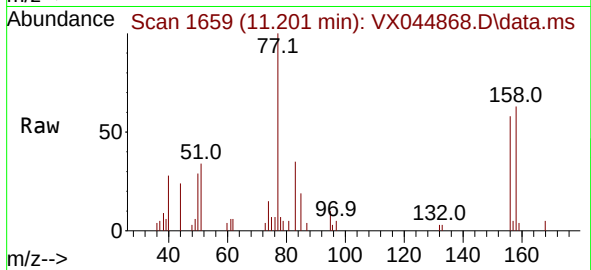




#77
Bromobenzene
Concen: 0.928 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

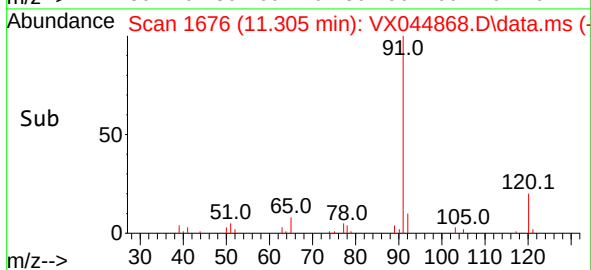
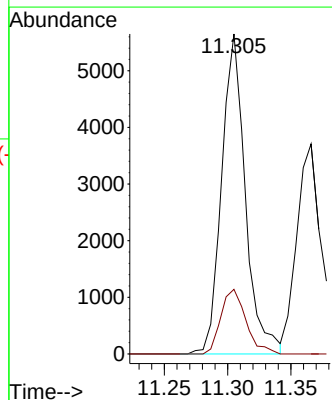
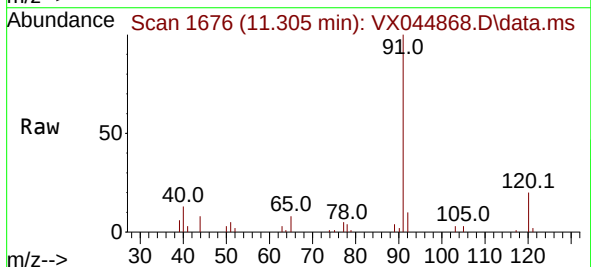
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

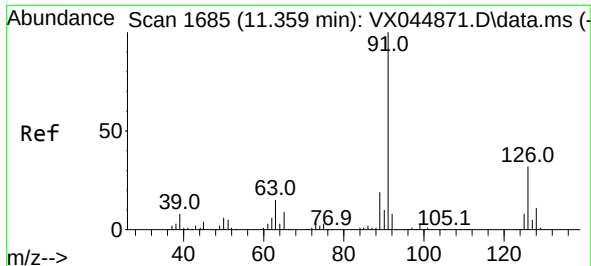
Tgt Ion:156 Resp: 1537
Ion Ratio Lower Upper
156 100
77 188.7 88.4 265.3
158 108.6 48.4 145.2



#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

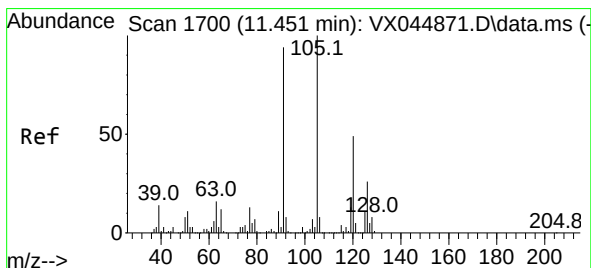
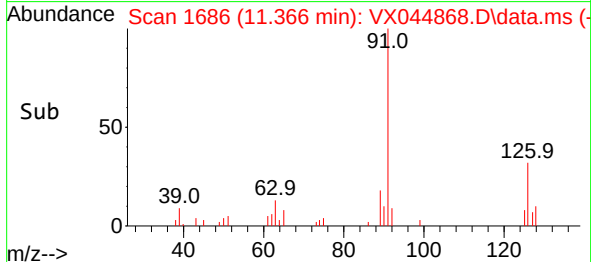
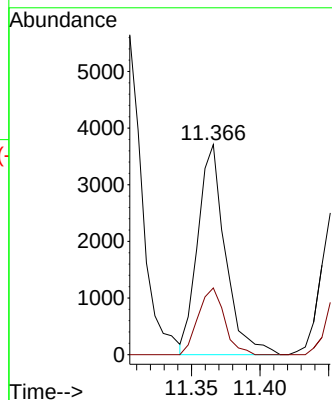
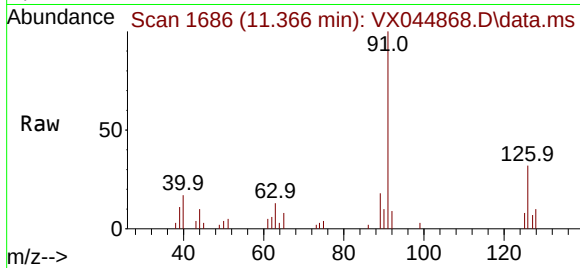




#79
2-Chlorotoluene
Concen: 1.001 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

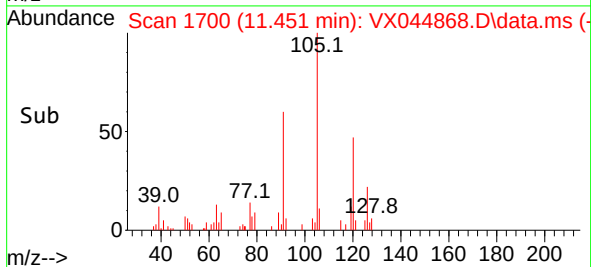
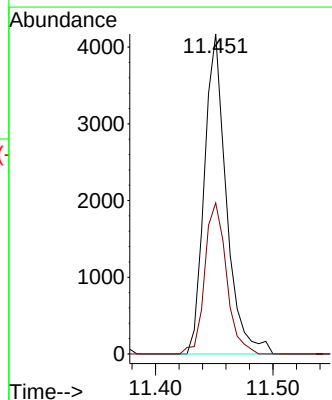
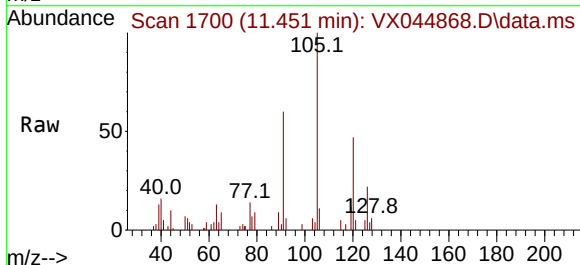
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

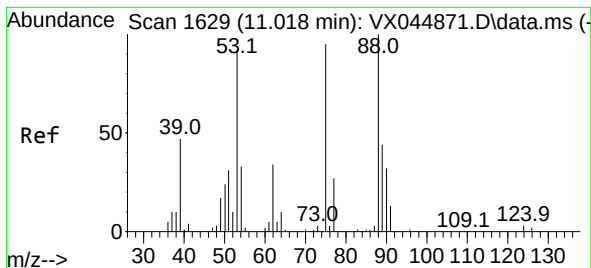
Tgt Ion: 91 Resp: 5188
Ion Ratio Lower Upper
91 100
126 30.1 16.2 48.6



#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

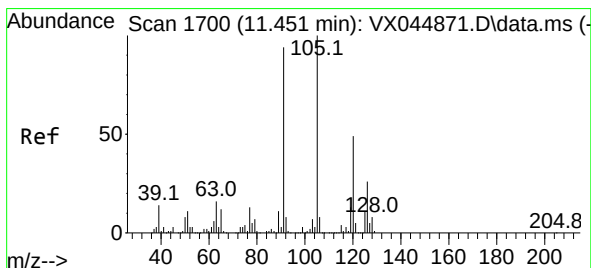
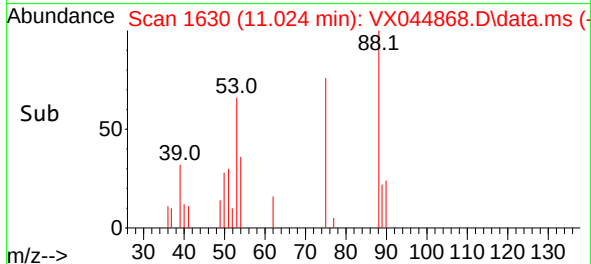
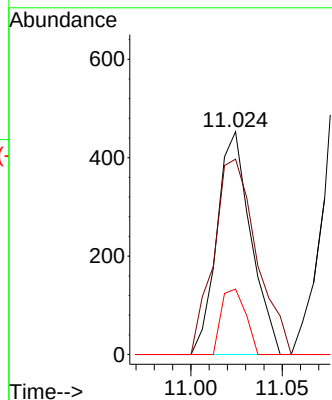
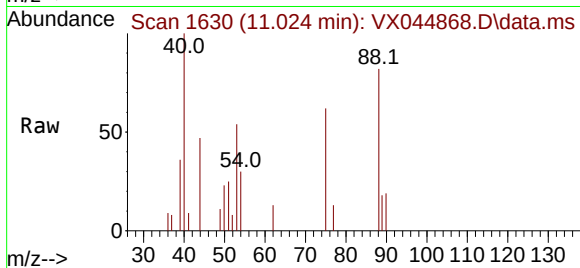




#81
trans-1,4-Dichloro-2-butene
Concen: 0.751 ug/l
RT: 11.024 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

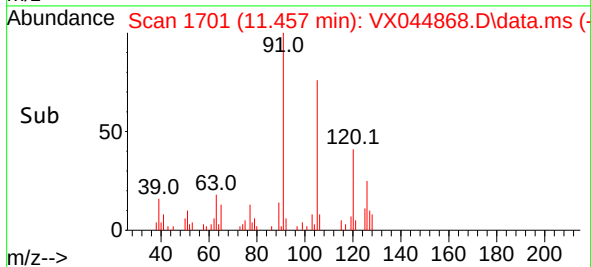
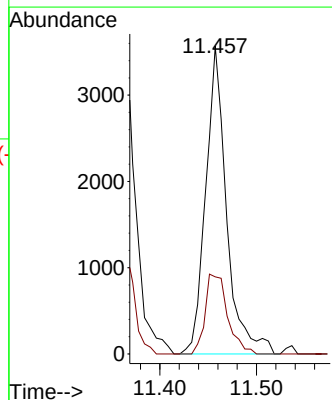
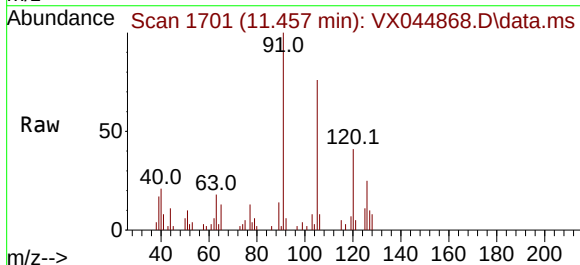
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

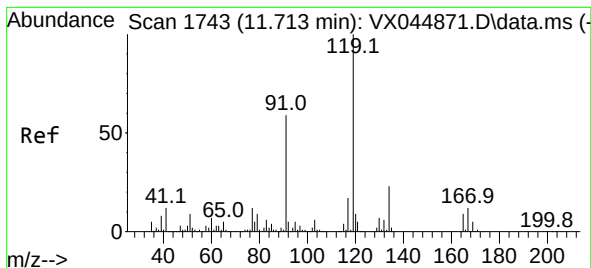
Tgt Ion: 75 Resp: 587
Ion Ratio Lower Upper
75 100
53 110.1 78.0 117.0
89 21.0 36.6 54.8#



#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# 11

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

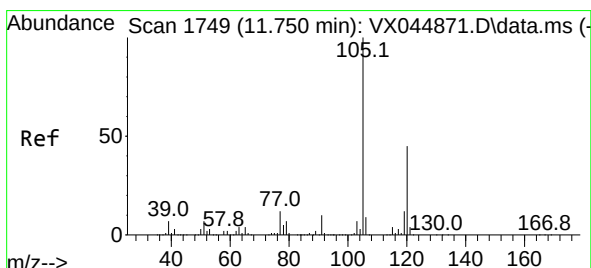
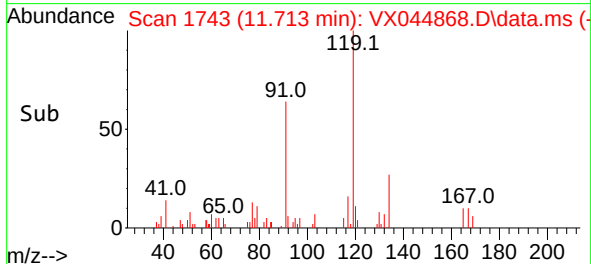
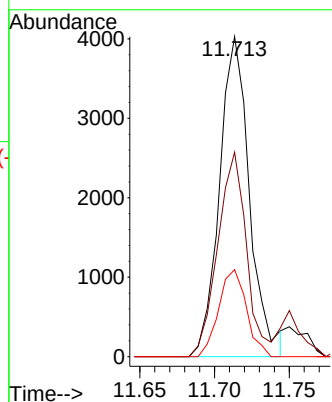
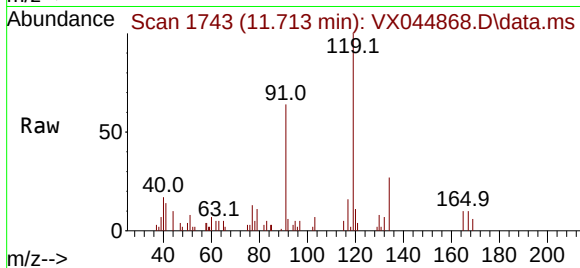
Tgt Ion:119 Resp: 5620

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

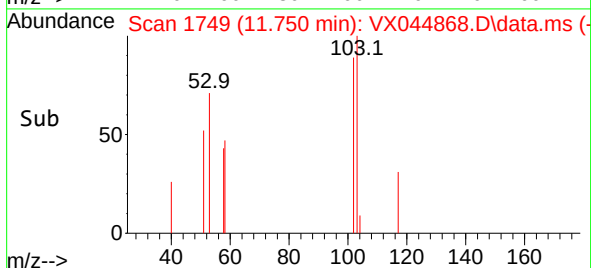
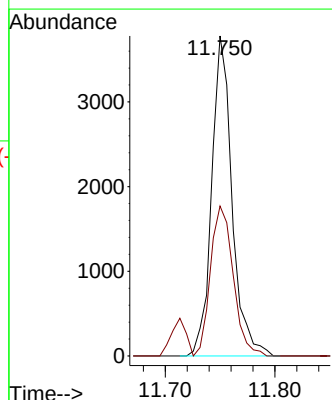
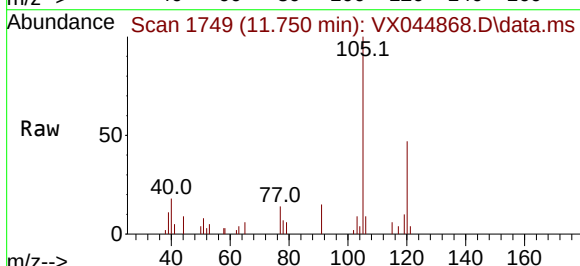
Acq: 10 Feb 2025 10:25

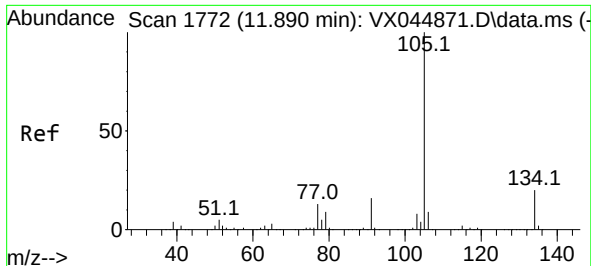
Tgt Ion:105 Resp: 4876

Ion Ratio Lower Upper

105 100

120 52.4 22.4 67.0

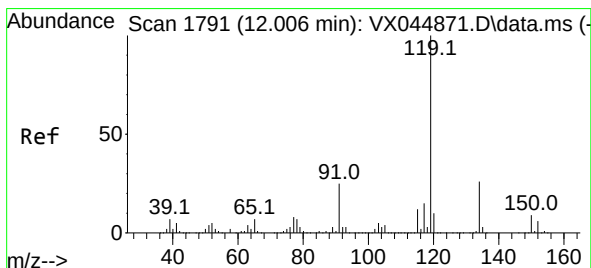
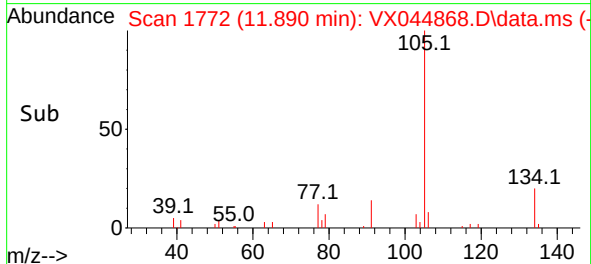
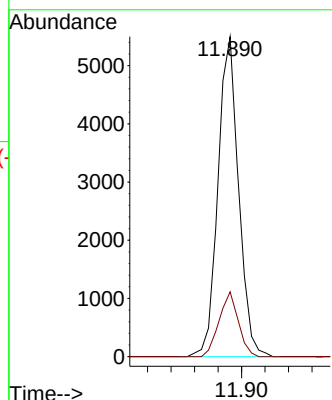
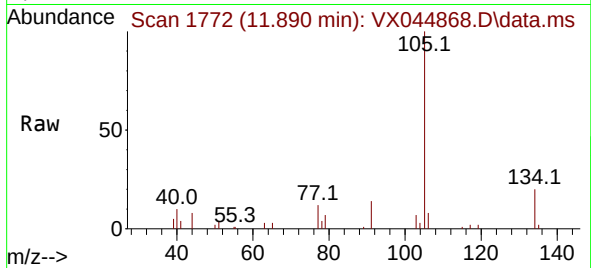




#85
 sec-Butylbenzene
 Concen: 0.902 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

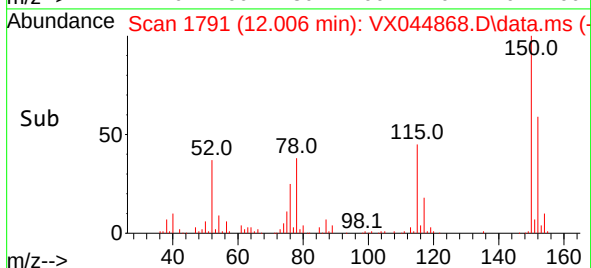
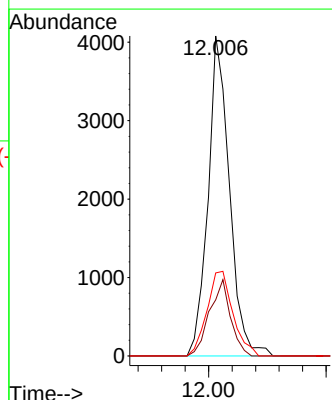
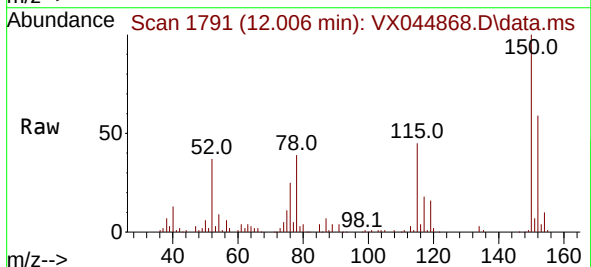
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

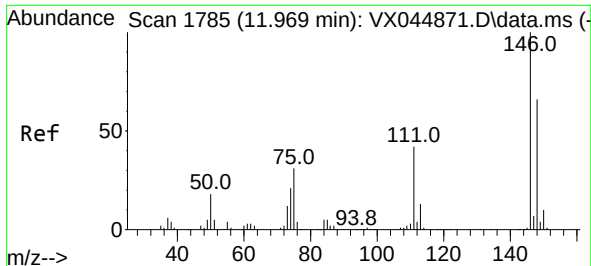
Tgt Ion:105 Resp: 6700
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.8 29.3



#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

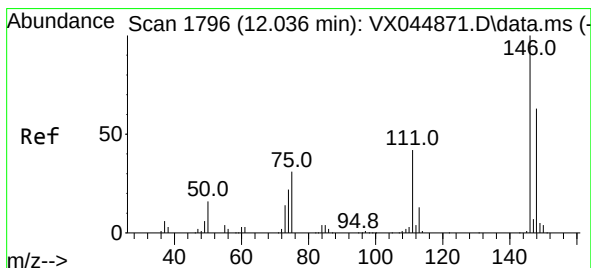
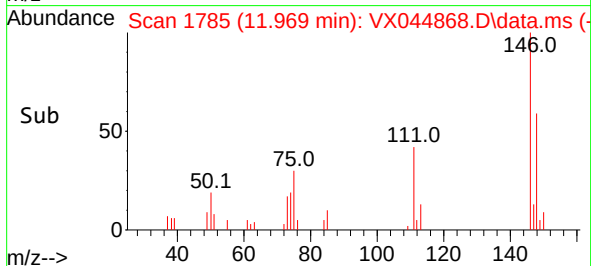
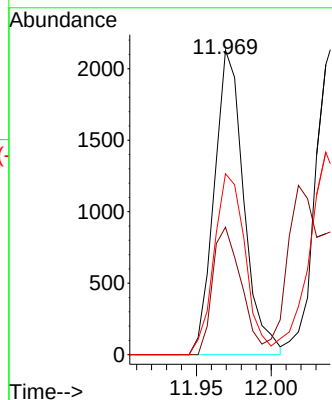
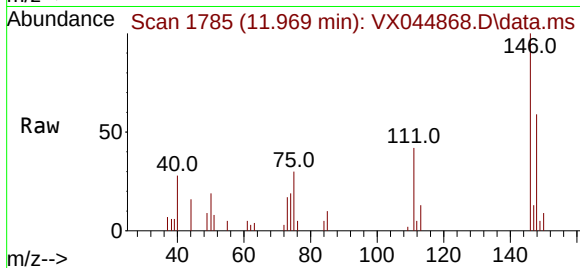
Tgt Ion:146 Resp: 2933

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

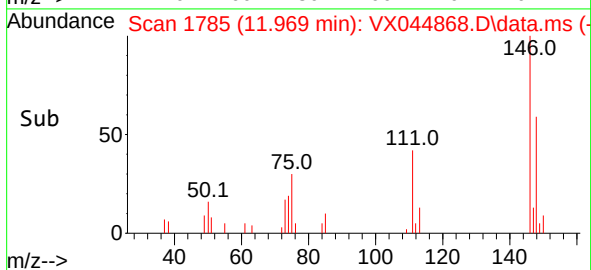
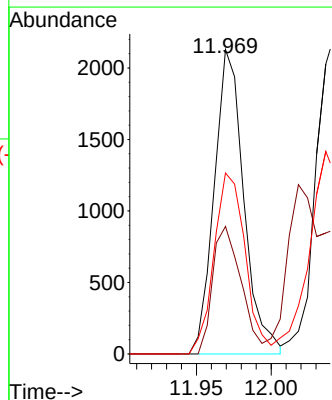
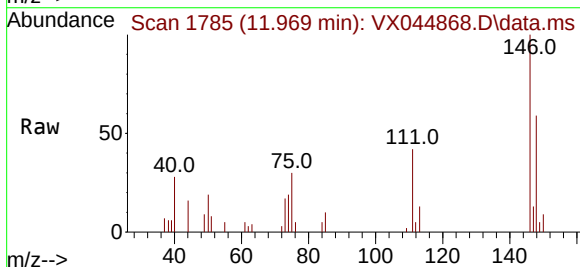
Tgt Ion:146 Resp: 2933

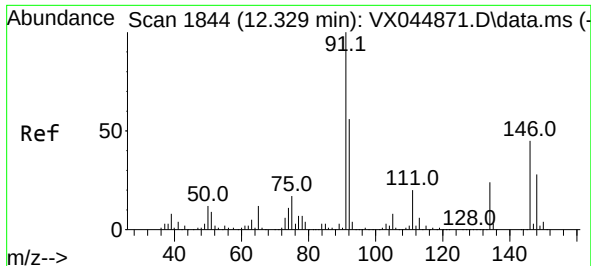
Ion Ratio Lower Upper

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

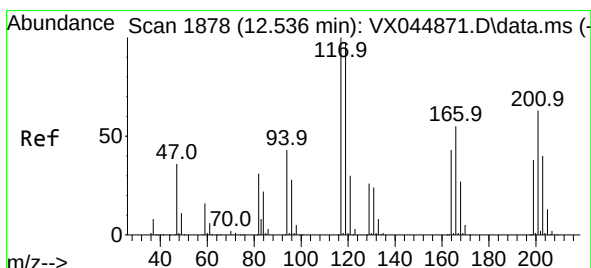
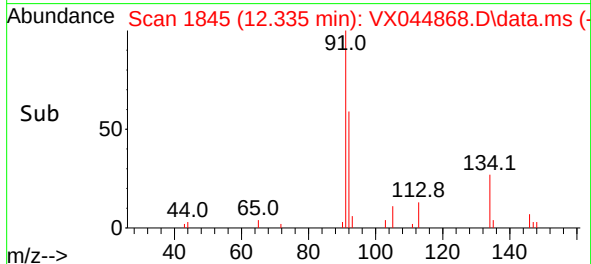
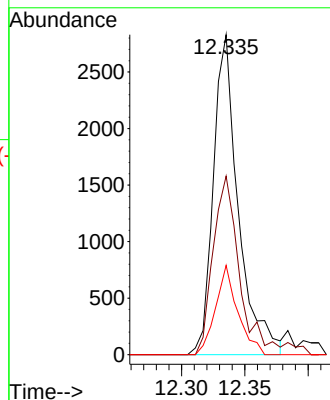
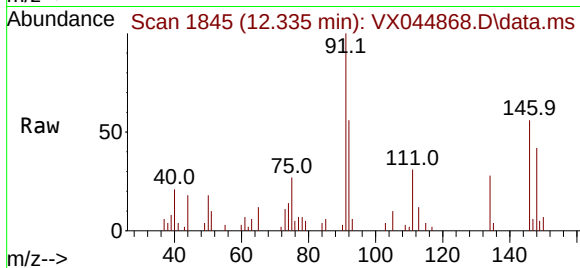
Tgt Ion: 91 Resp: 3880

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

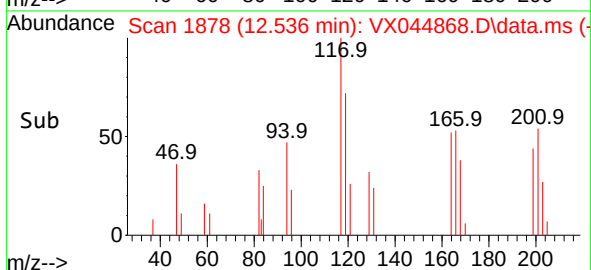
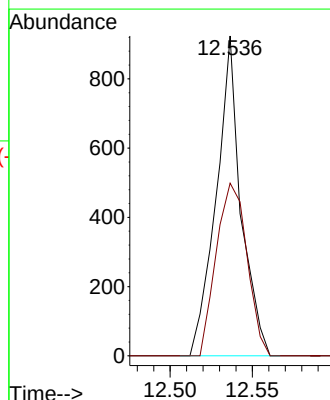
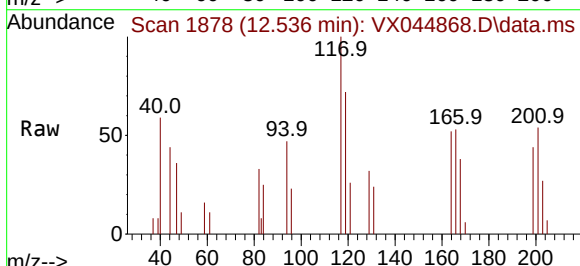
Acq: 10 Feb 2025 10:25

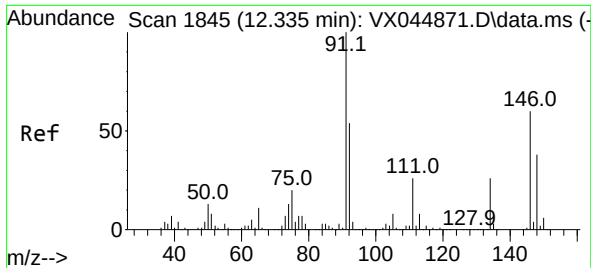
Tgt Ion: 117 Resp: 968

Ion Ratio Lower Upper

117 100

201 66.8 32.5 97.5

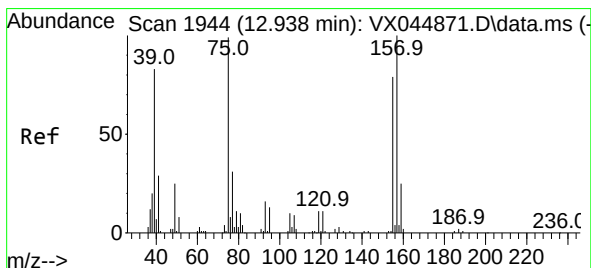
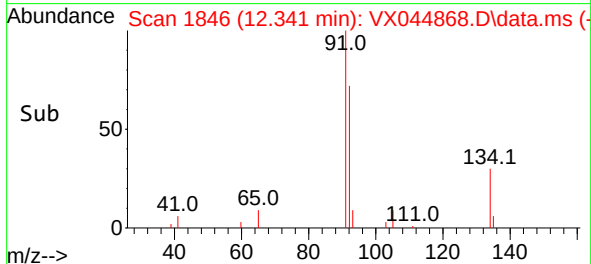
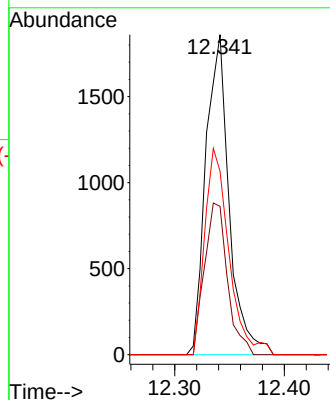
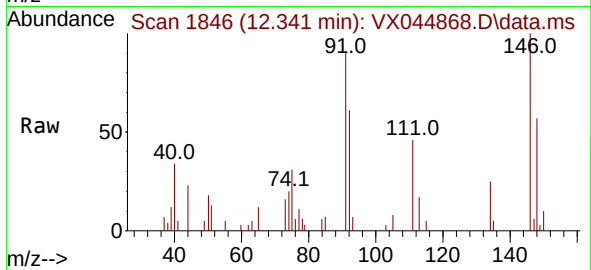




#91
1,2-Dichlorobenzene
Concen: 0.917 ug/l
RT: 12.341 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

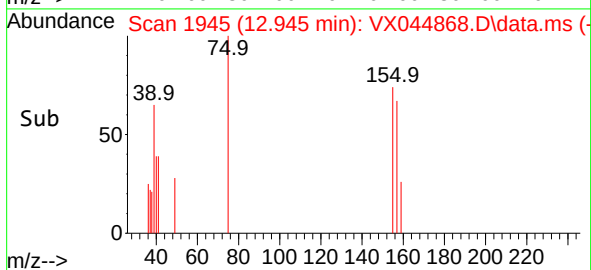
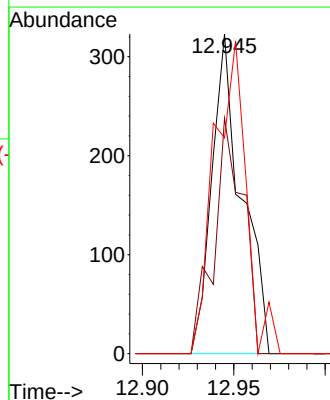
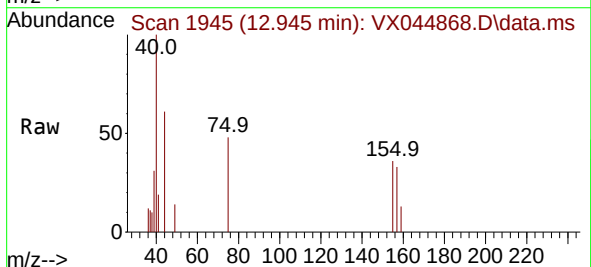
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

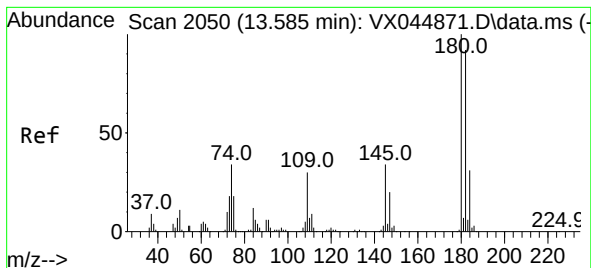
Tgt Ion:146 Resp: 2744
Ion Ratio Lower Upper
146 100
111 46.7 21.8 65.4
148 67.2 31.9 95.9



#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

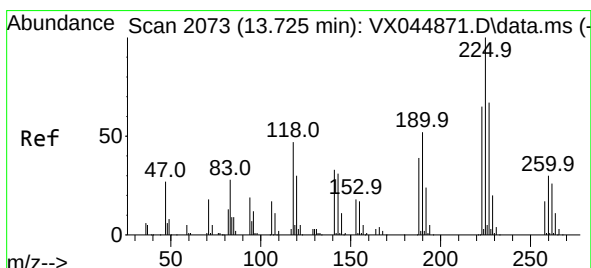
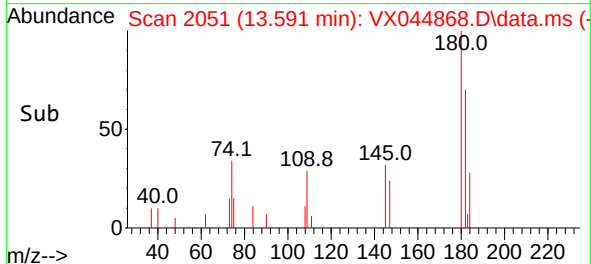
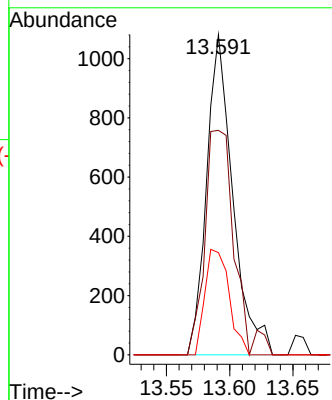
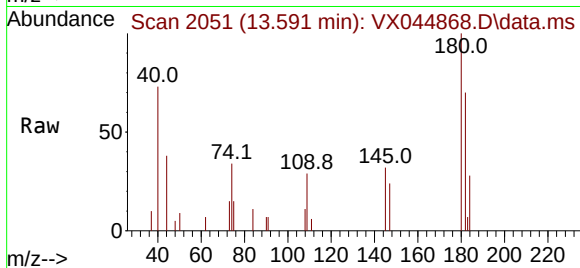
Tgt Ion:180 Resp: 1560

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

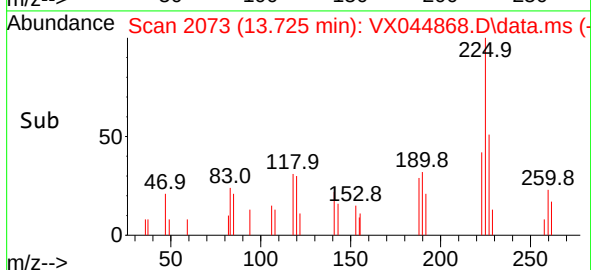
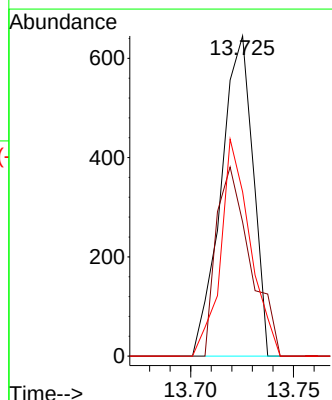
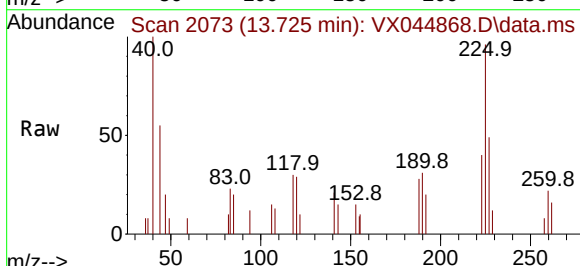
Tgt Ion:225 Resp: 695

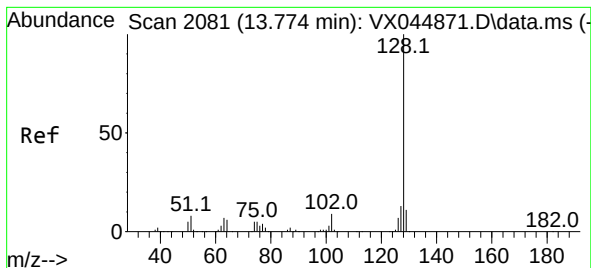
Ion Ratio Lower Upper

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

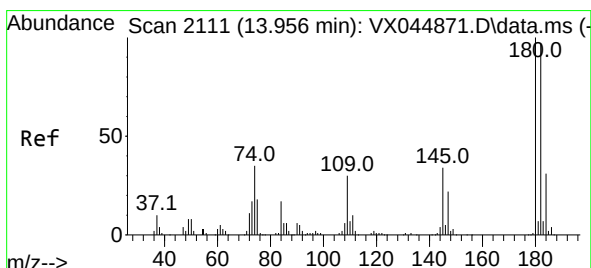
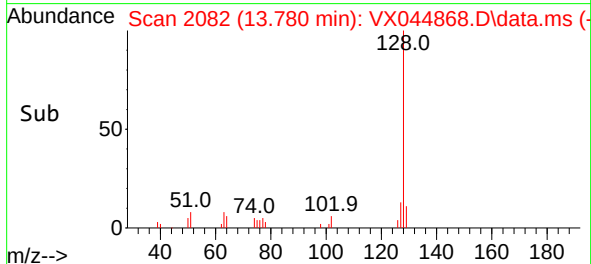
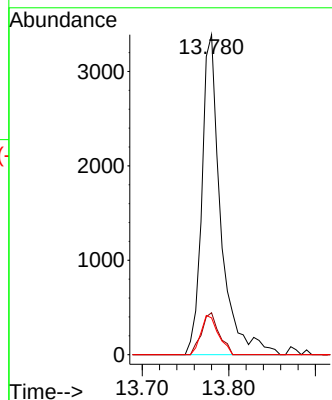
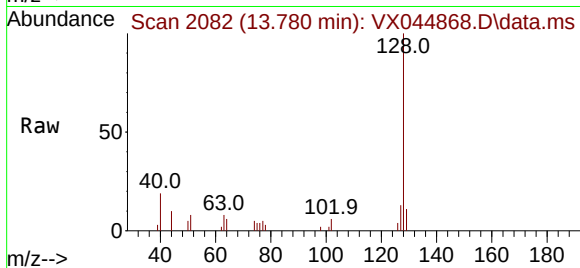
Tgt Ion:128 Resp: 5125

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

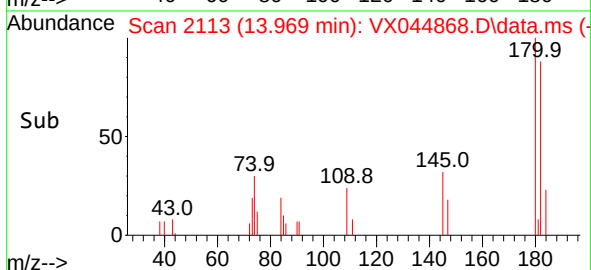
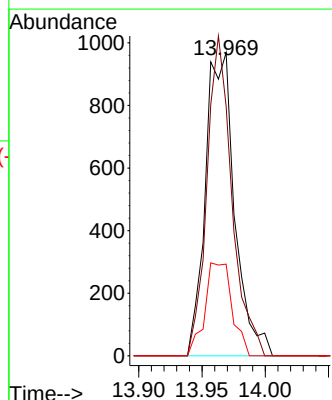
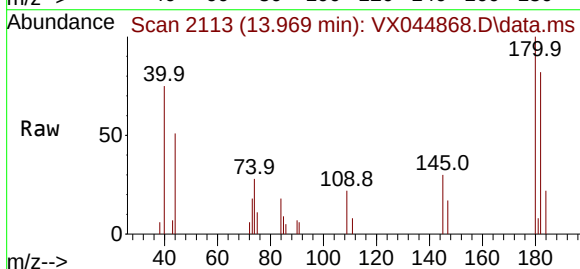
Tgt Ion:180 Resp: 1557

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\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)

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 : 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)
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

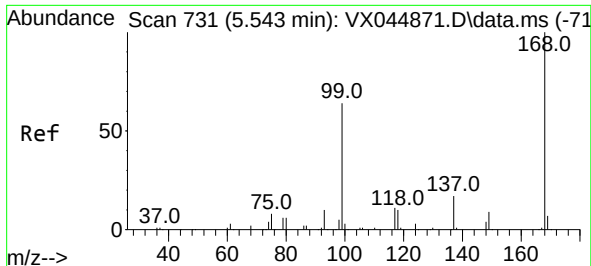
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

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

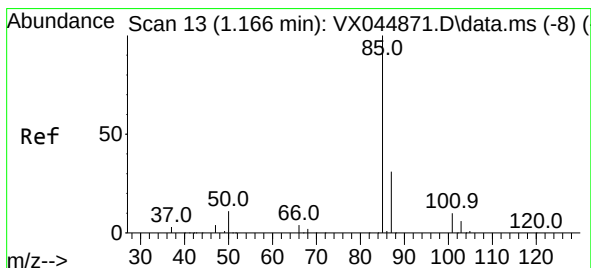
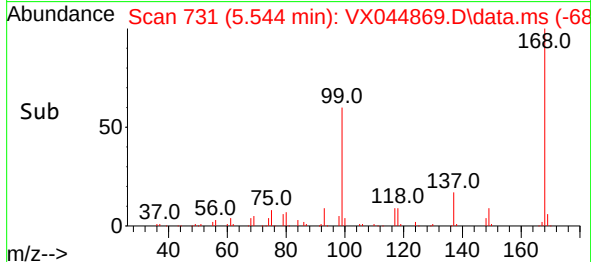
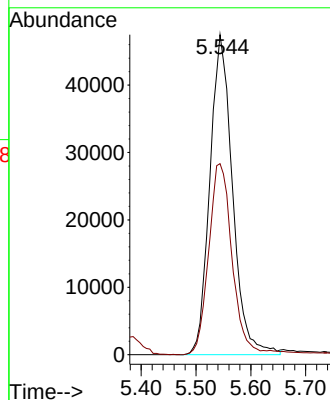
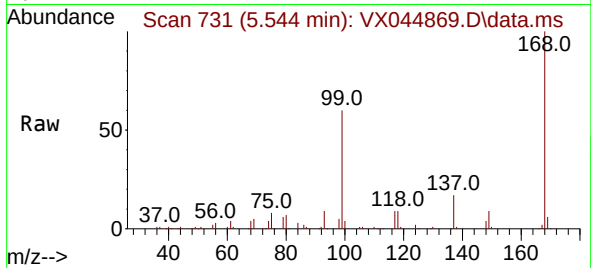




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

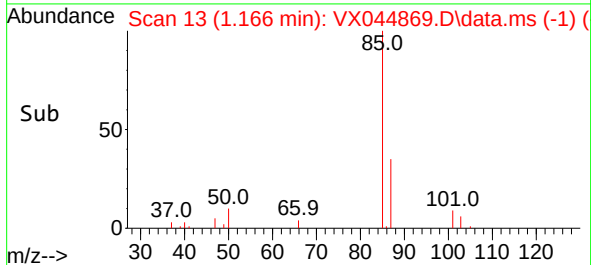
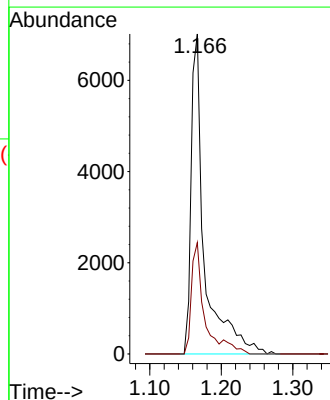
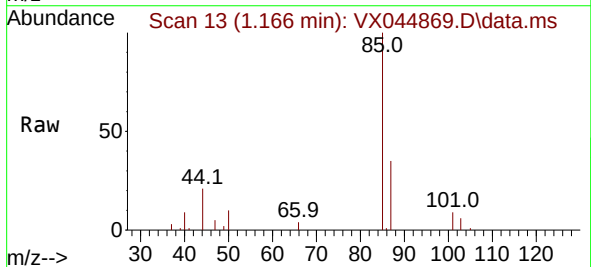
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

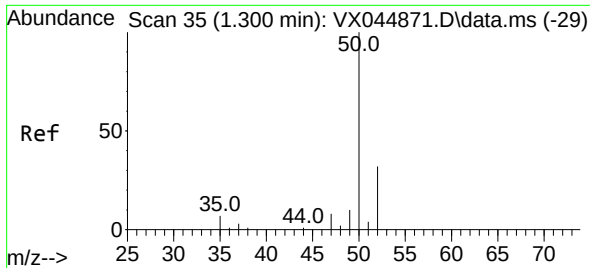
Tgt Ion:168 Resp: 136105
Ion Ratio Lower Upper
168 100
99 59.7 51.2 76.8



#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

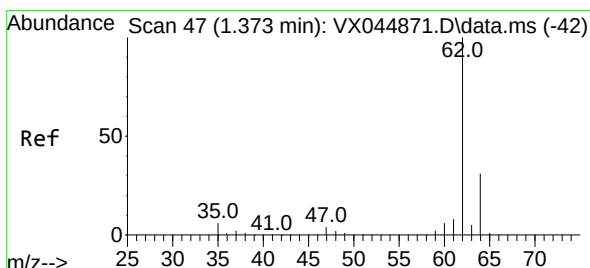
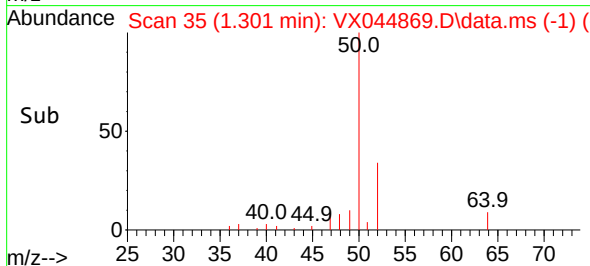
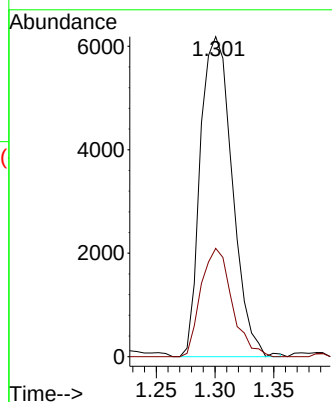
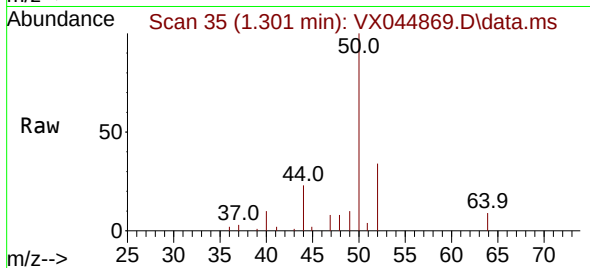




#3
Chloromethane
Concen: 5.041 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

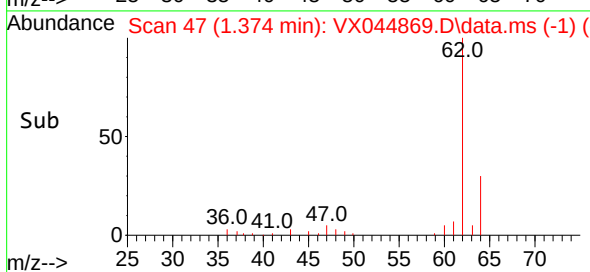
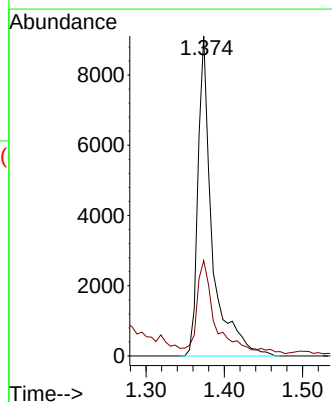
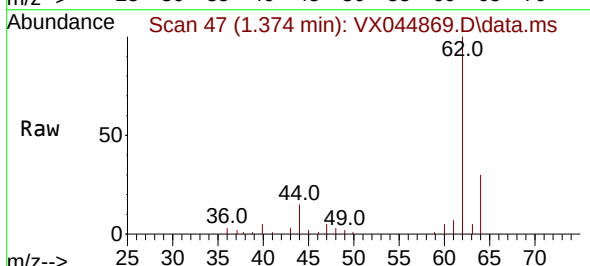
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

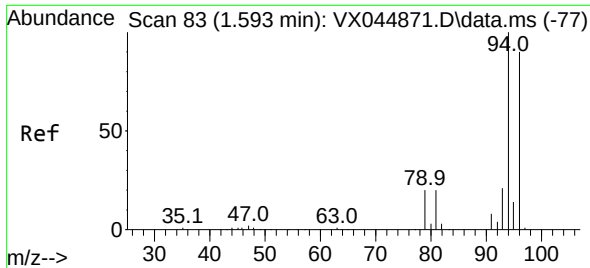
Tgt Ion: 50 Resp: 11711
Ion Ratio Lower Upper
50 100
52 33.8 25.9 38.9



#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

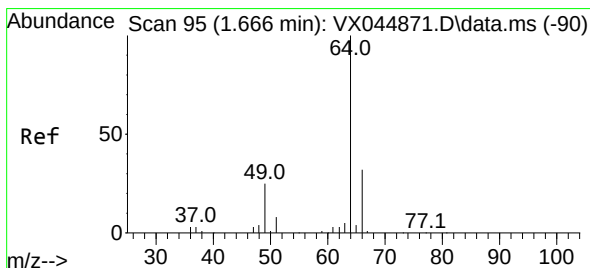
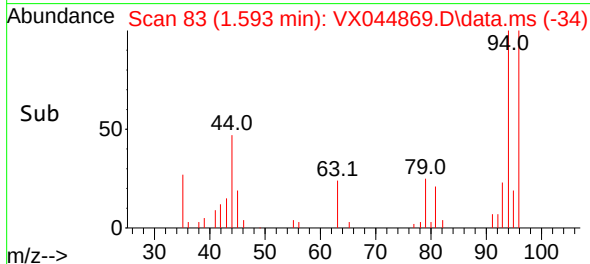
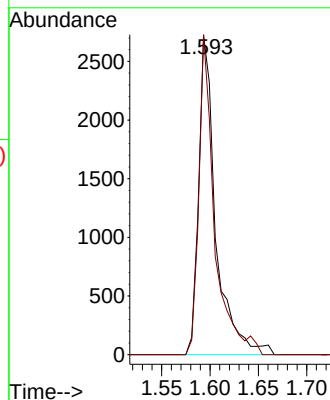
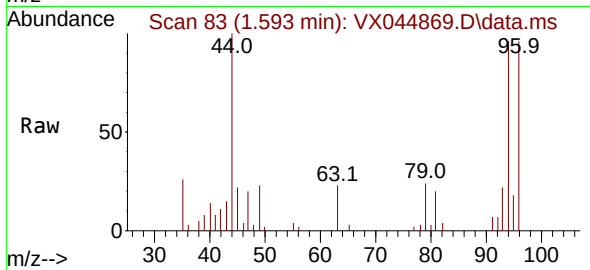




#5
Bromomethane
Concen: 5.005 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

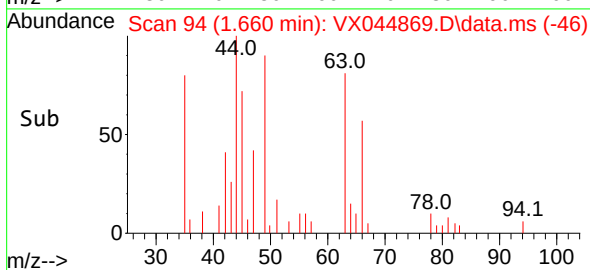
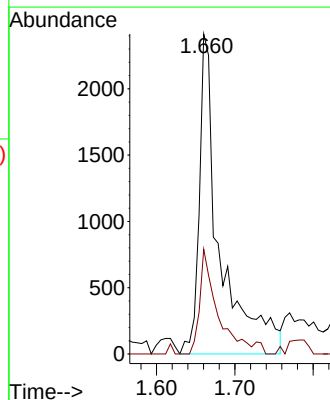
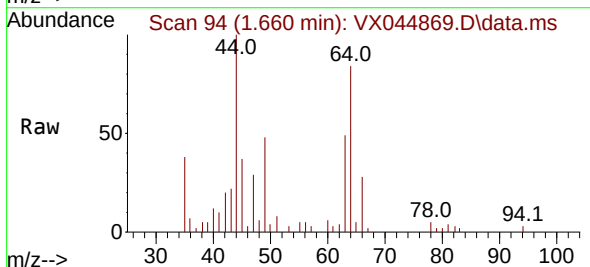
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

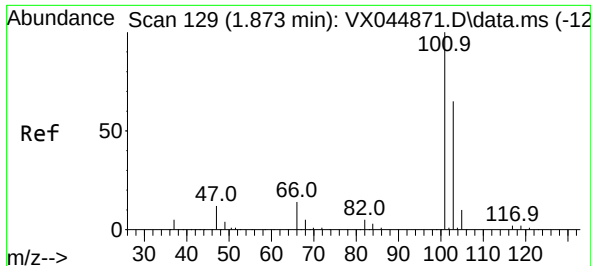
Tgt Ion: 94 Resp: 3371
Ion Ratio Lower Upper
94 100
96 100.2 71.6 107.4



#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

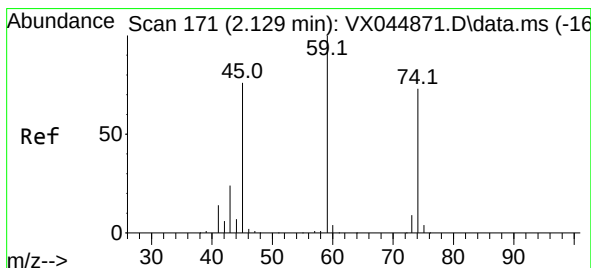
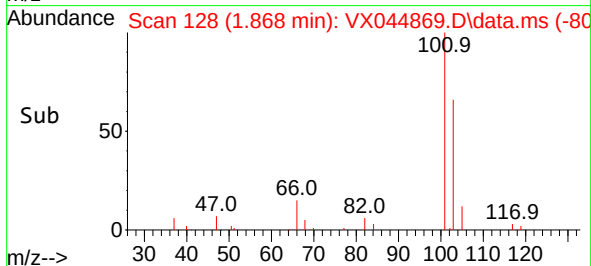
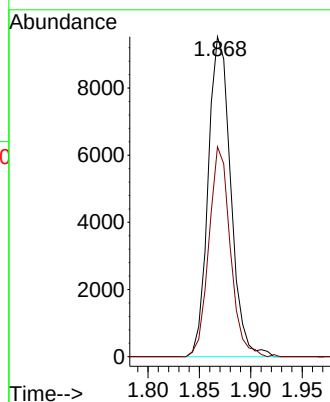
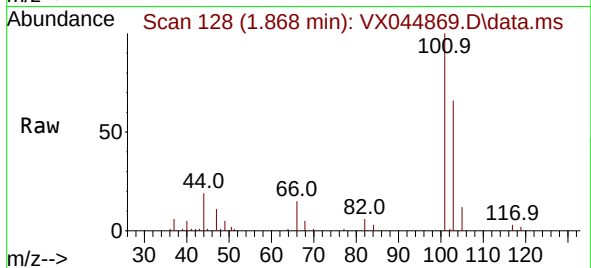




#7
Trichlorofluoromethane
Concen: 5.096 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

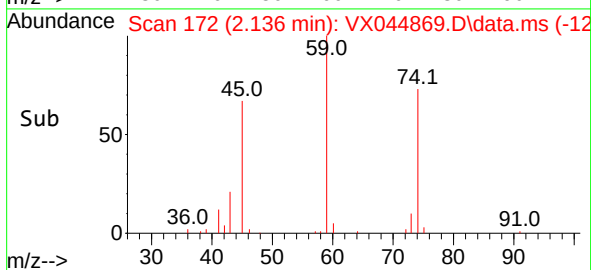
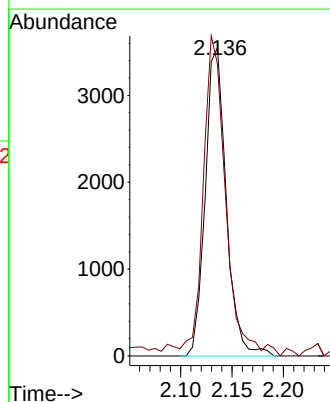
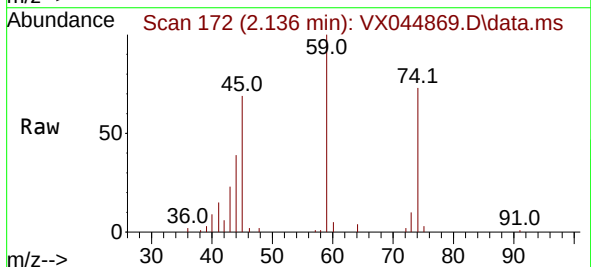
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

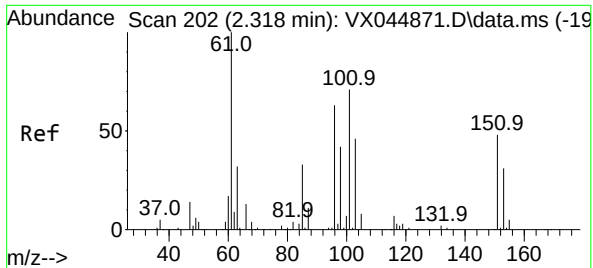
Tgt Ion:101 Resp: 14506
Ion Ratio Lower Upper
101 100
103 65.6 52.4 78.6



#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



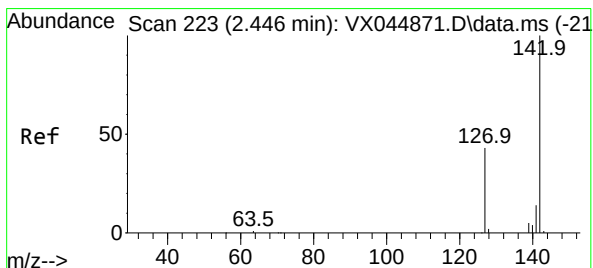
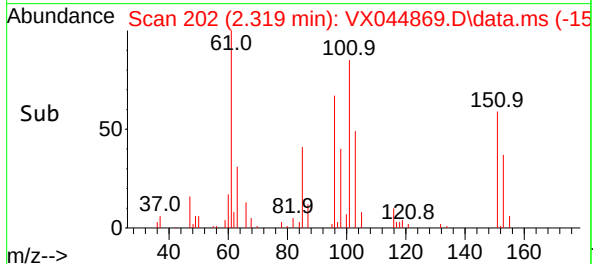
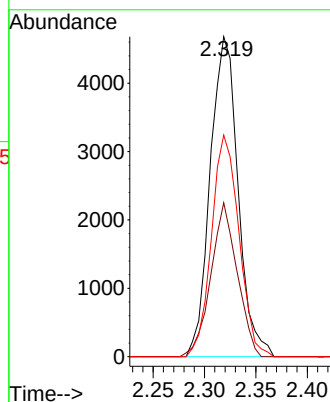
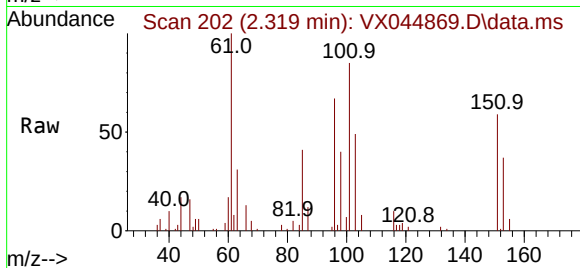


#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.120 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 8805

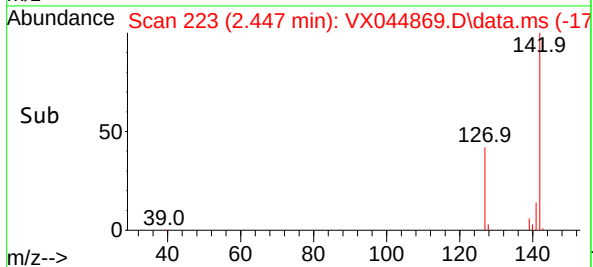
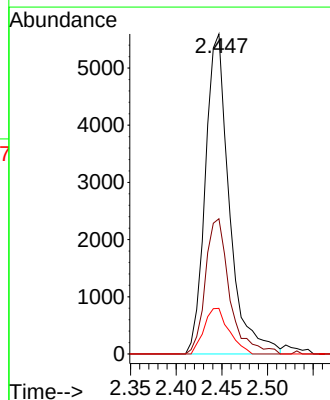
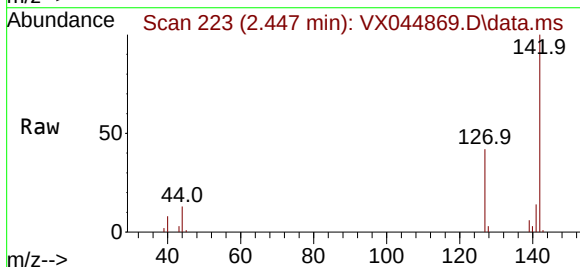
Ion	Ratio	Lower	Upper
101	100		
85	45.5	35.7	53.5
151	68.3	56.0	84.0

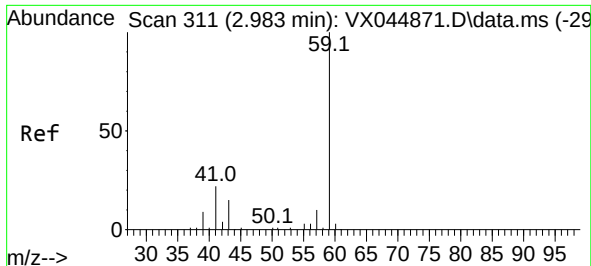


#10
Methyl Iodide
Concen: 4.591 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

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

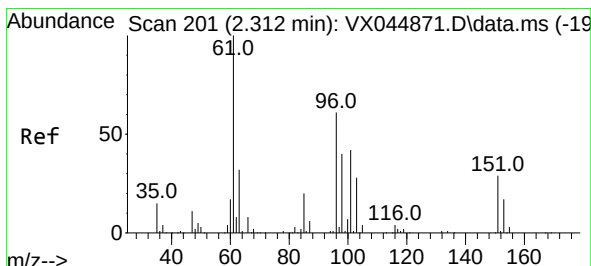
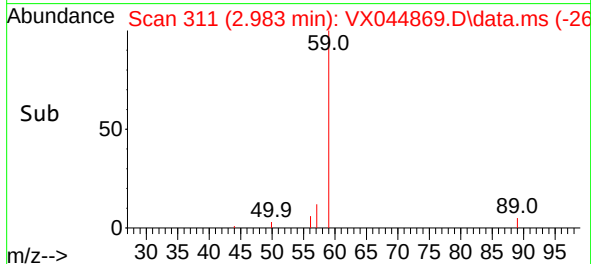
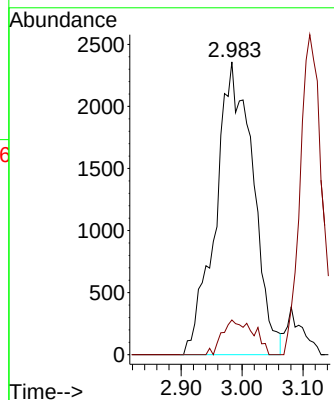
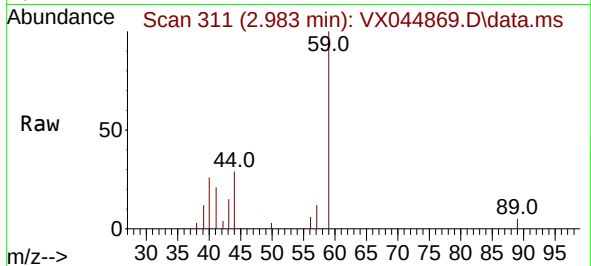




#11
Tert butyl alcohol
Concen: 27.175 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

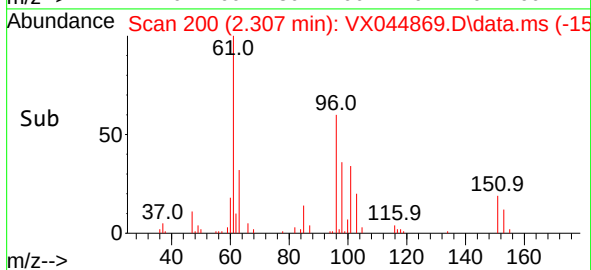
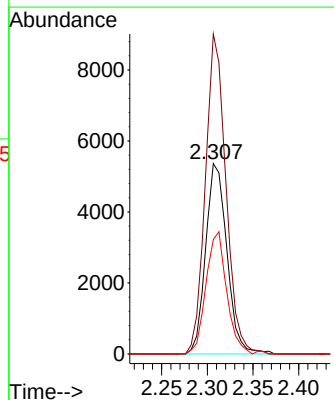
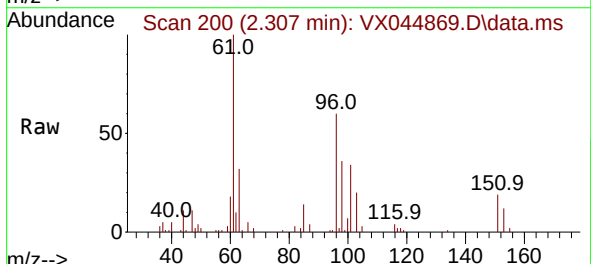
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

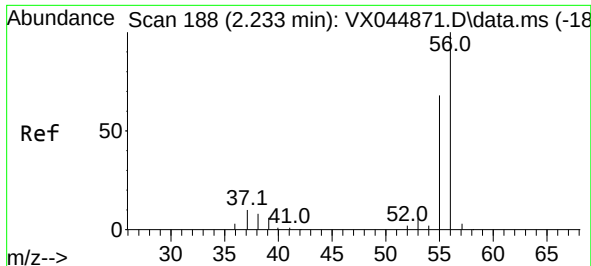
Tgt Ion: 59 Resp: 10044
Ion Ratio Lower Upper
59 100
57 9.9 8.1 12.1



#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

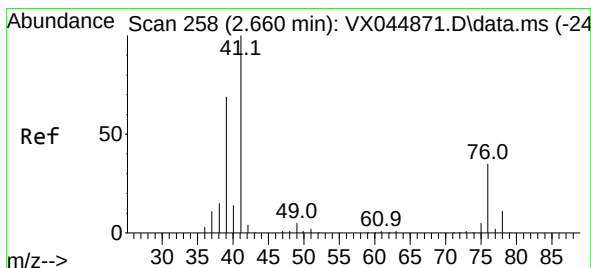
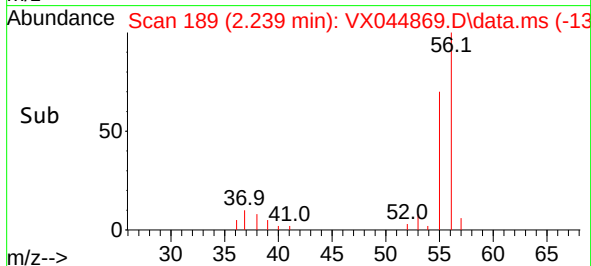
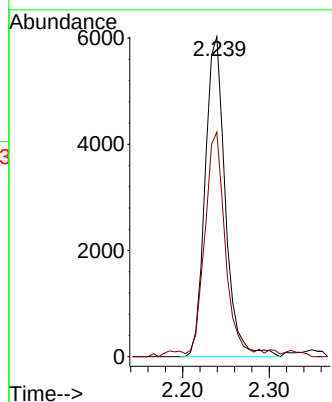
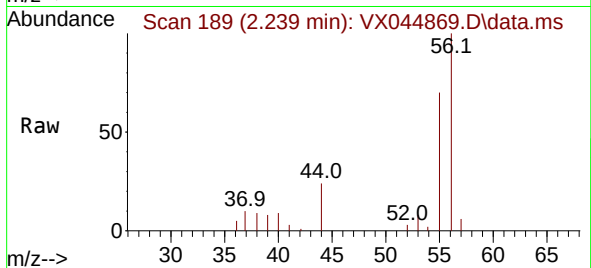




#13
Acrolein
Concen: 25.567 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

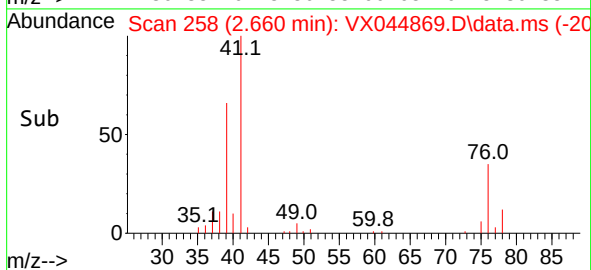
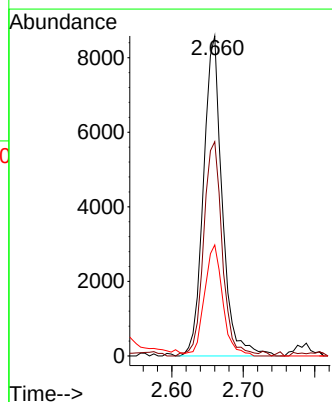
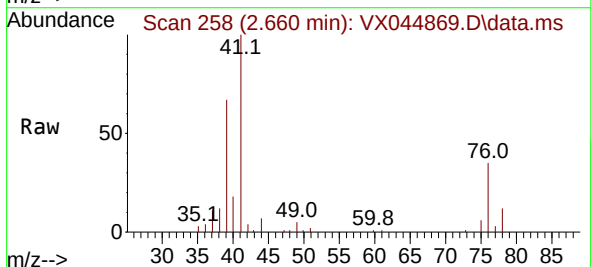
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

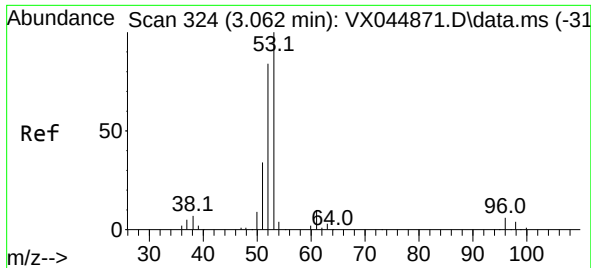
Tgt Ion: 56 Resp: 9750
Ion Ratio Lower Upper
56 100
55 71.6 55.7 83.5



#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 :

VSTDICC005

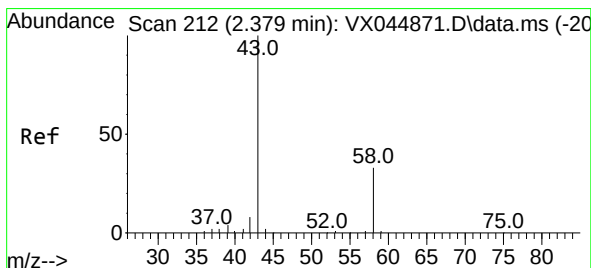
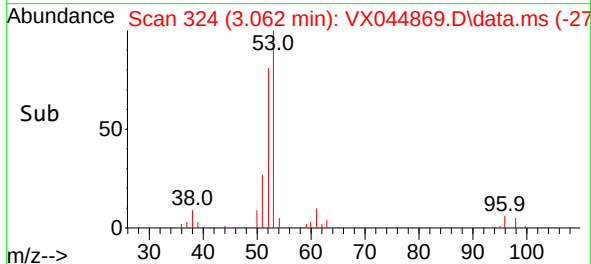
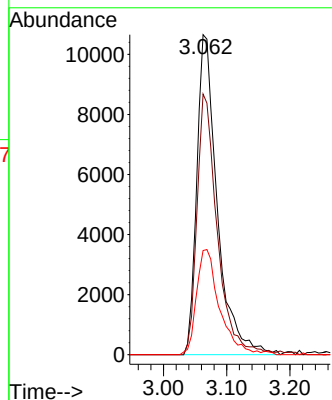
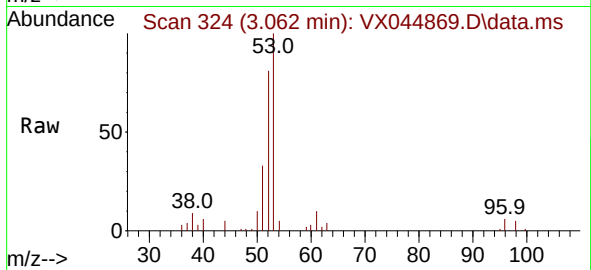
Tgt Ion: 53 Resp: 24101

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

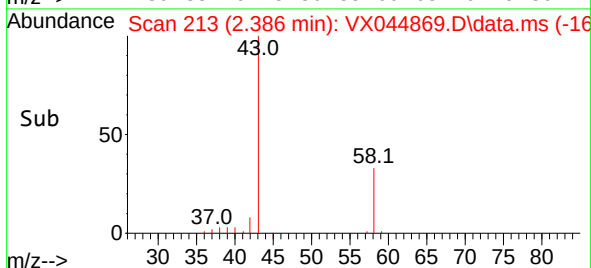
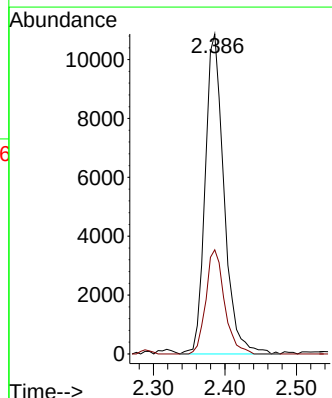
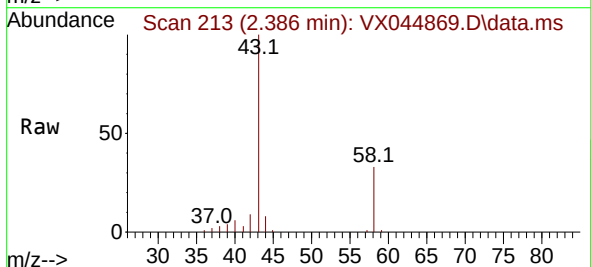
Acq: 10 Feb 2025 10:48

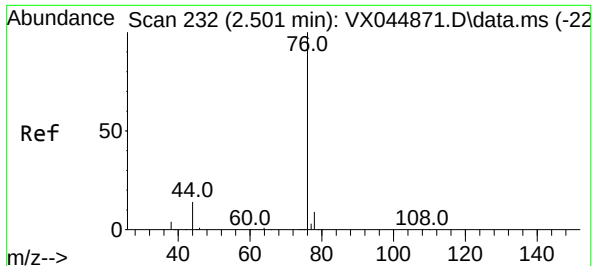
Tgt Ion: 43 Resp: 19877

Ion Ratio Lower Upper

43 100

58 32.6 26.5 39.7

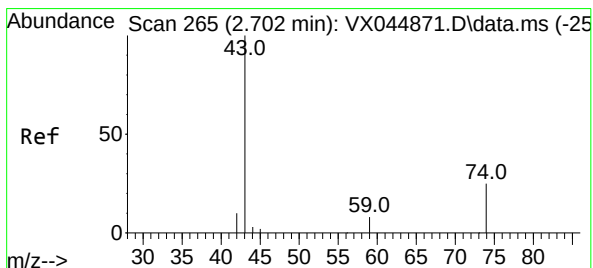
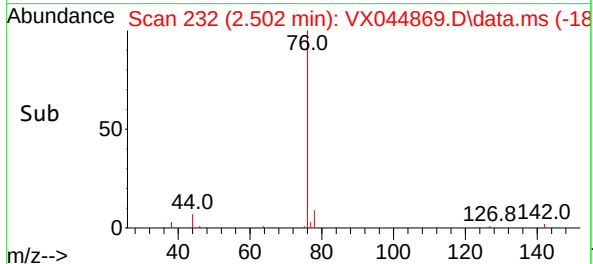
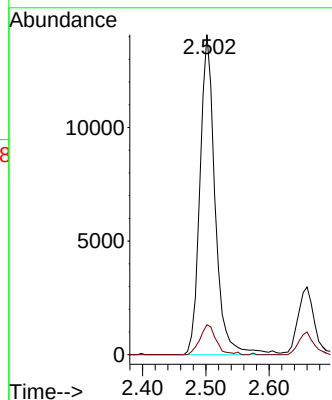
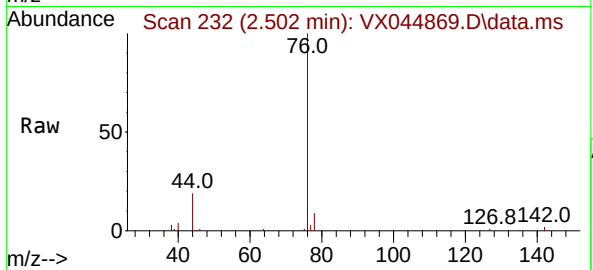




#17
Carbon Disulfide
Concen: 4.899 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

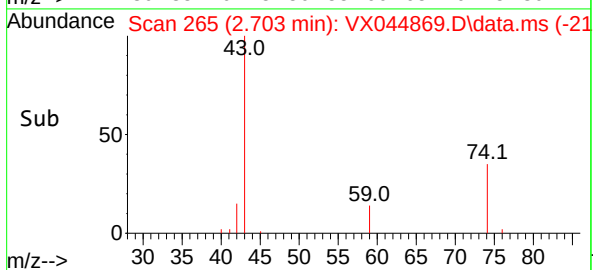
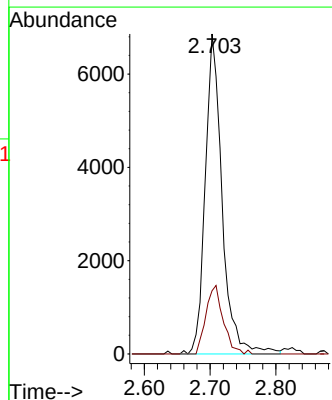
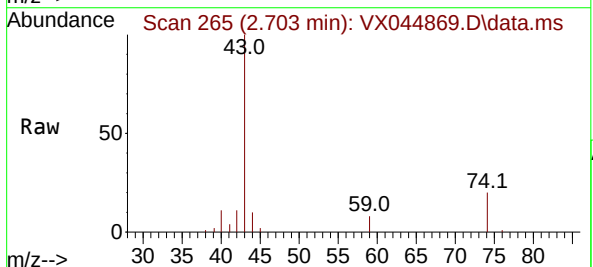
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

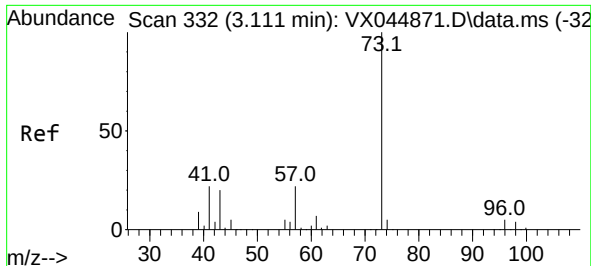
Tgt Ion: 76 Resp: 23568
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4



#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

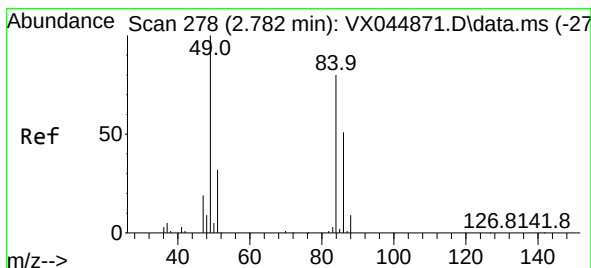
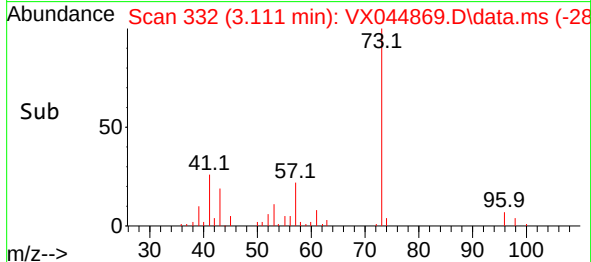
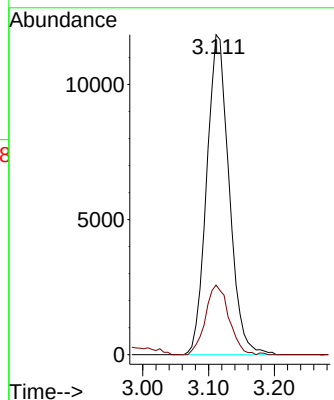
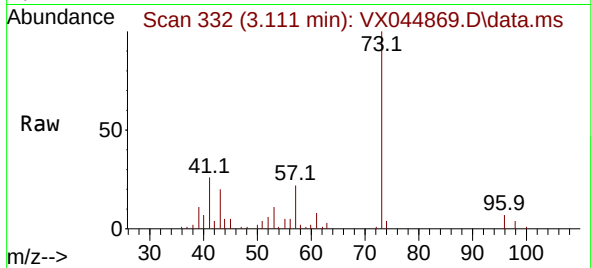




#19
Methyl tert-butyl Ether
Concen: 5.034 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

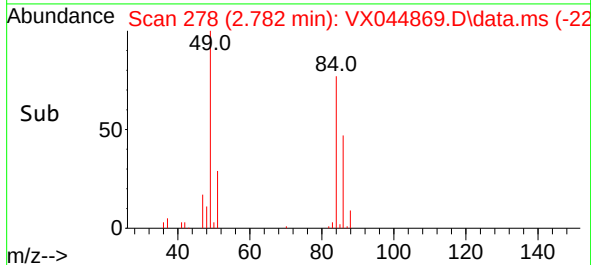
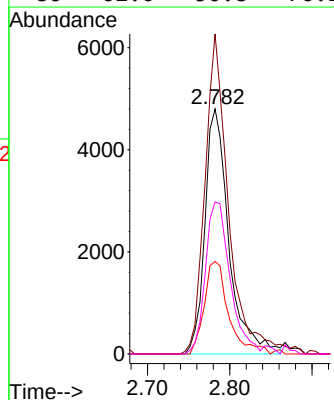
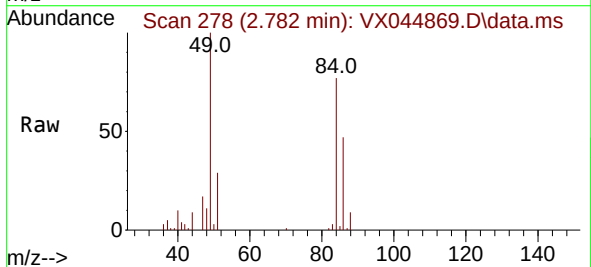
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

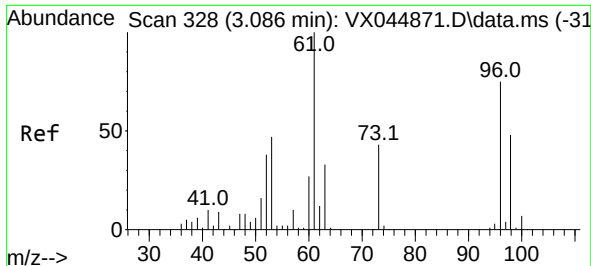
Tgt Ion: 73 Resp: 28100
Ion Ratio Lower Upper
73 100
57 21.8 17.9 26.9



#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

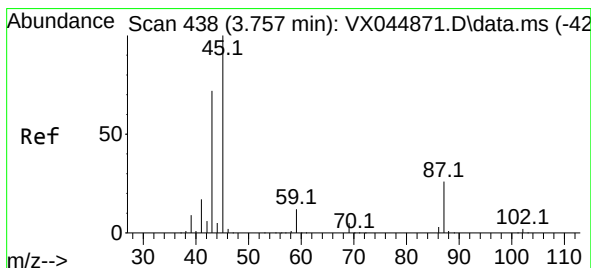
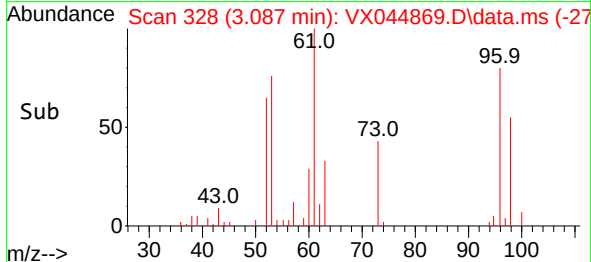
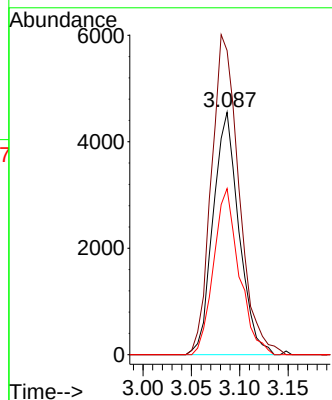
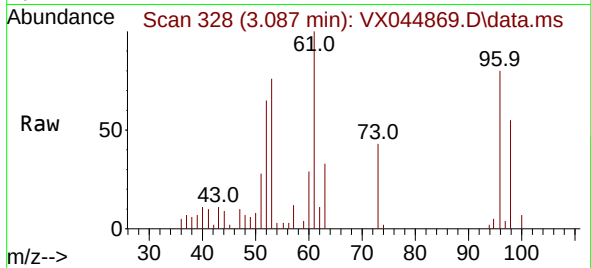




#21
trans-1,2-Dichloroethene
Concen: 4.906 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

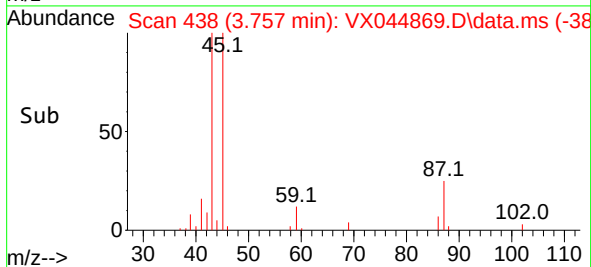
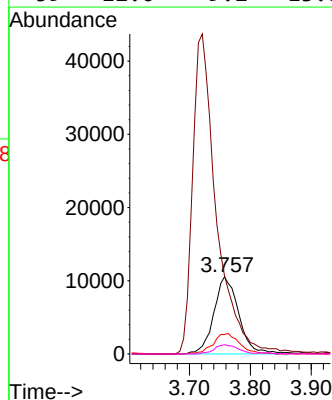
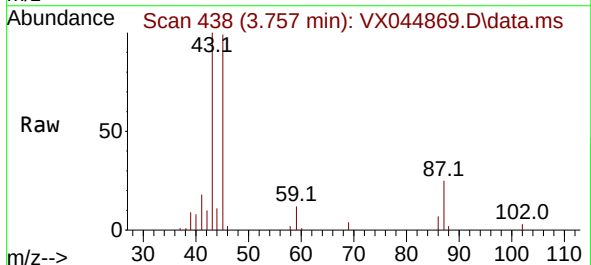
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

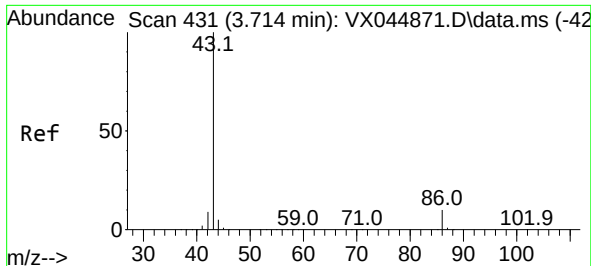
Tgt Ion: 96 Resp: 8470
Ion Ratio Lower Upper
96 100
61 125.5 106.0 159.0
98 68.5 50.6 76.0



#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

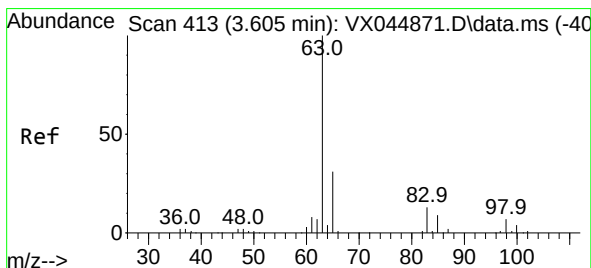
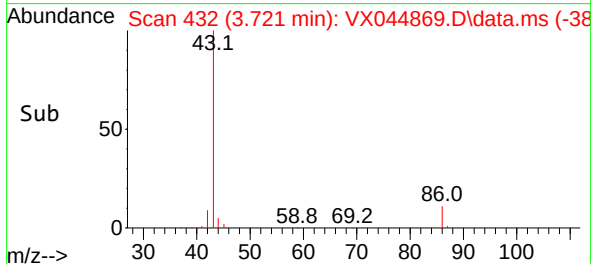
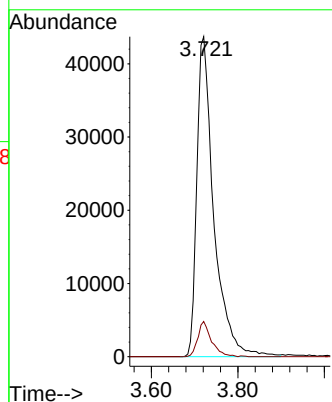
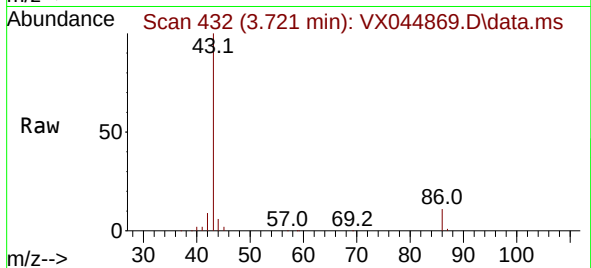




#23
 Vinyl Acetate
 Concen: 24.358 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

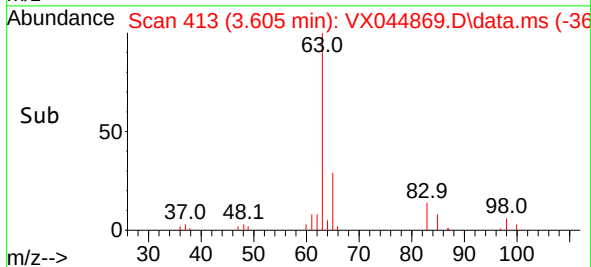
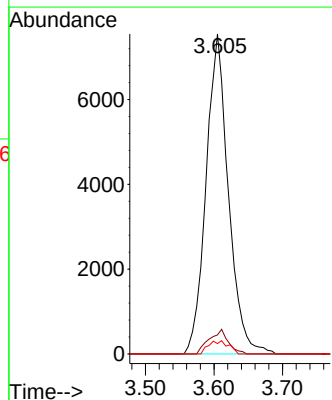
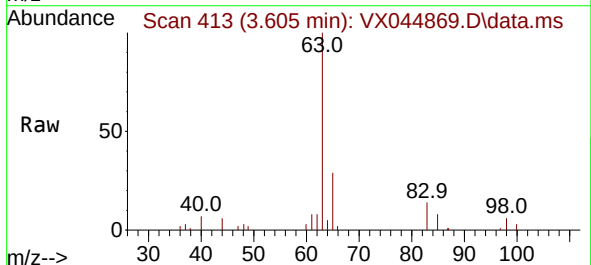
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

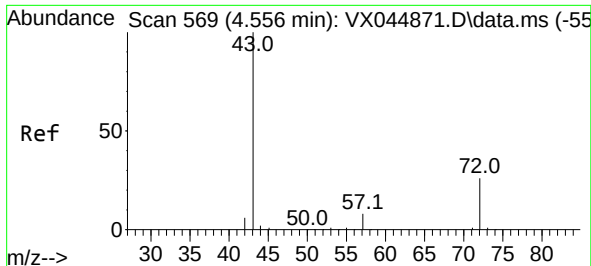
Tgt Ion: 43 Resp: 119108
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.3 12.5



#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

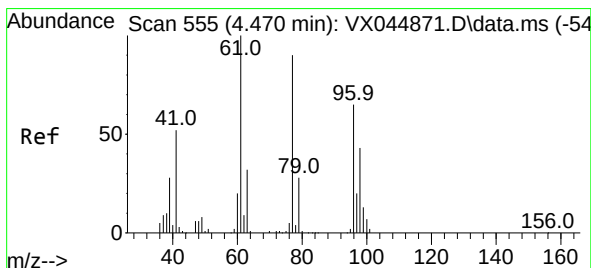
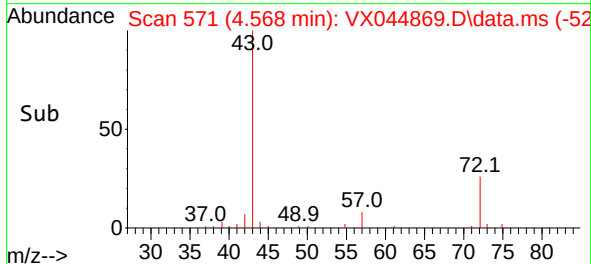
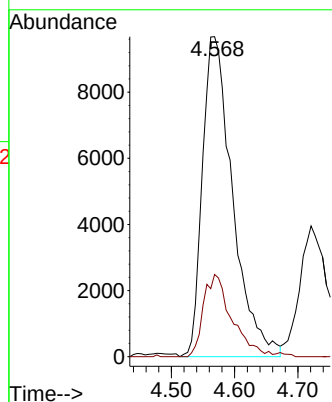
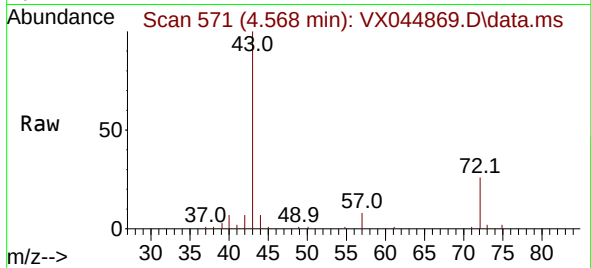




#25
2-Butanone
Concen: 24.698 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

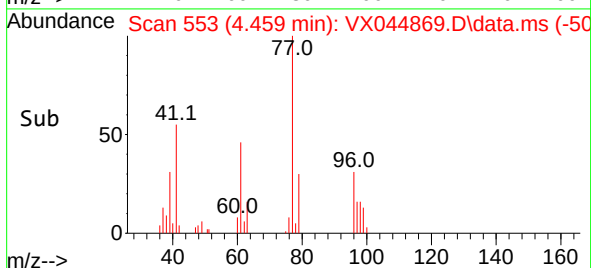
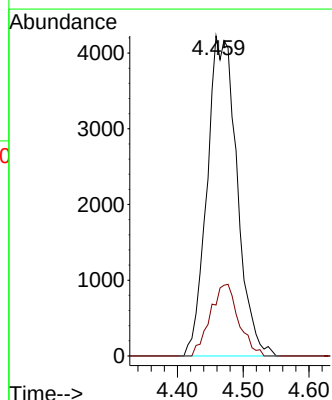
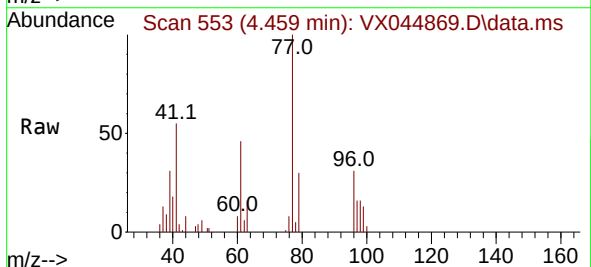
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

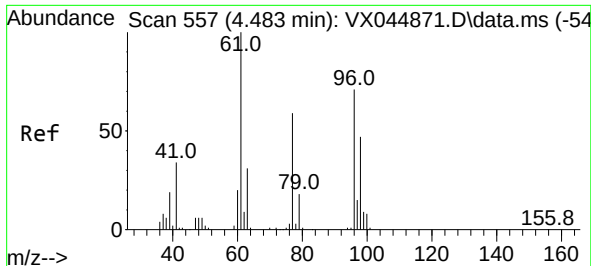
Tgt Ion: 43 Resp: 32121
Ion Ratio Lower Upper
43 100
72 25.7 21.2 31.8



#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

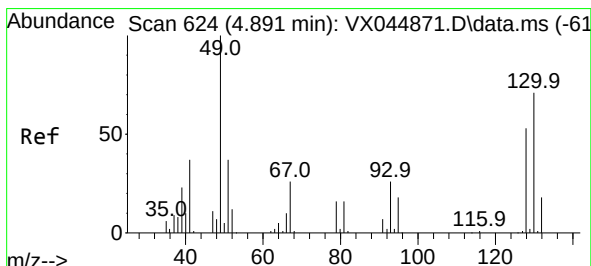
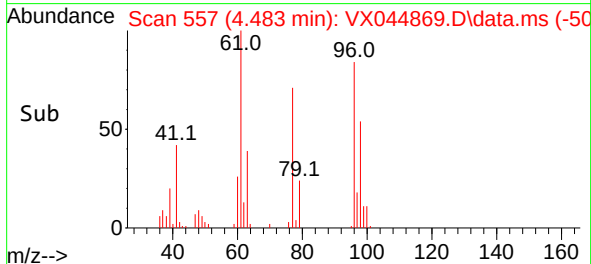
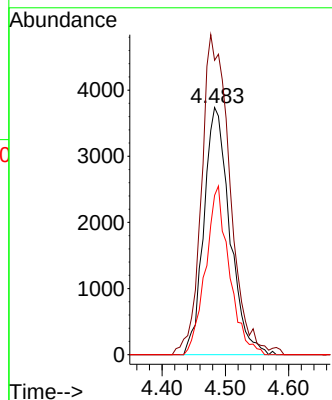
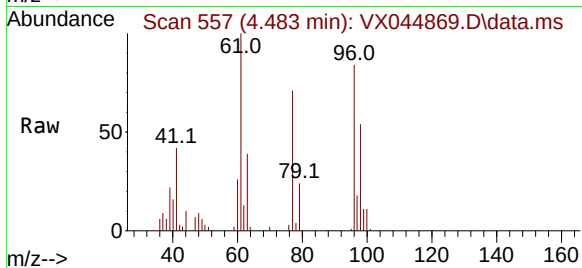
Tgt Ion: 96 Resp: 10662

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

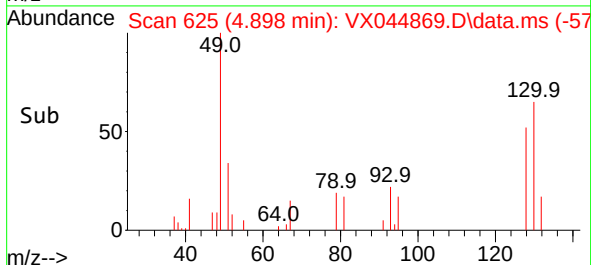
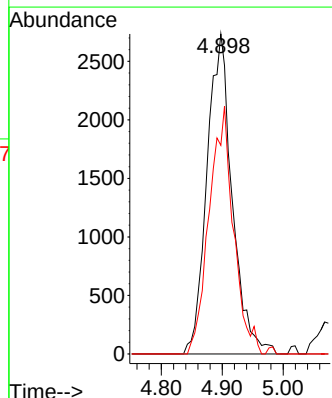
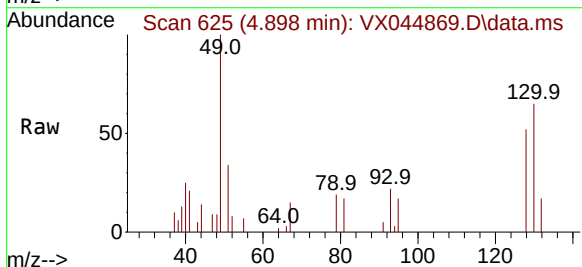
Tgt Ion: 49 Resp: 7881

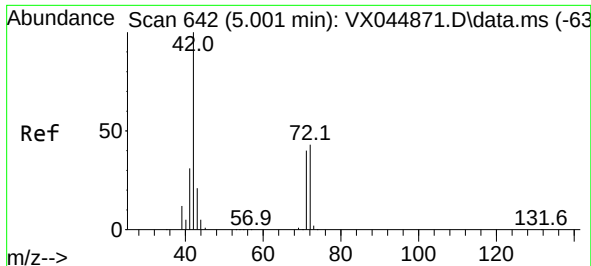
Ion Ratio Lower Upper

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# 64

Delta R.T. 0.013 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

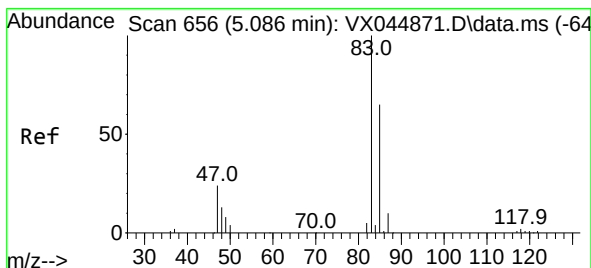
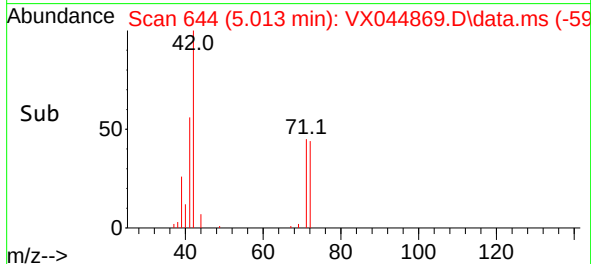
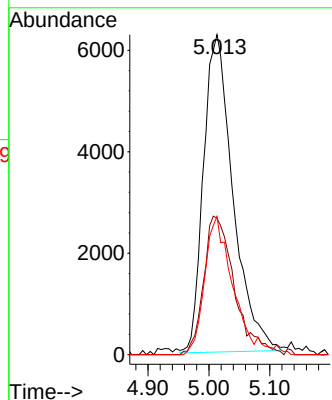
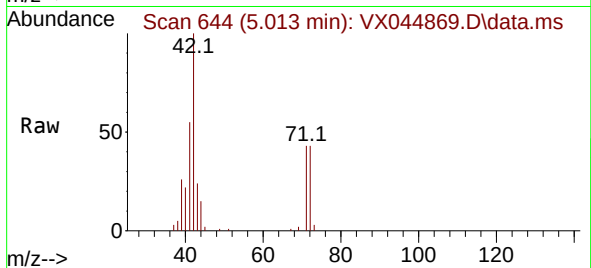
Tgt Ion: 42 Resp: 21097

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

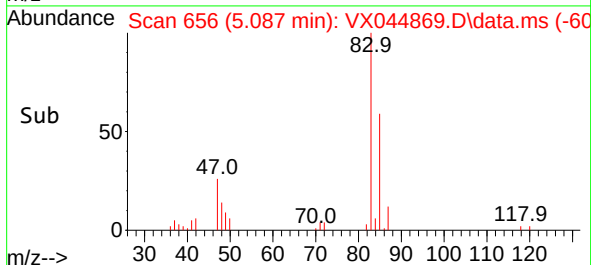
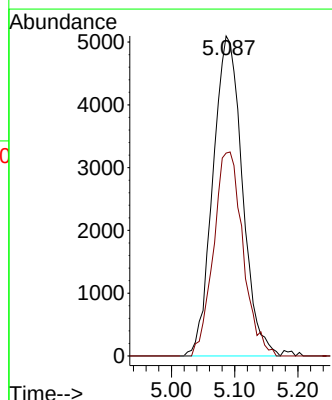
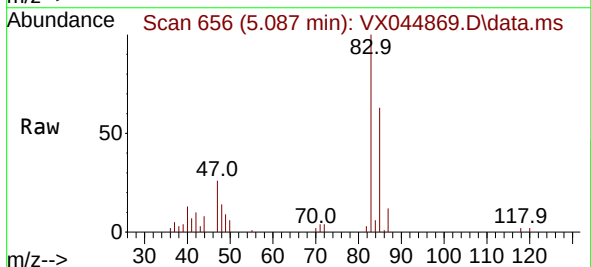
Acq: 10 Feb 2025 10:48

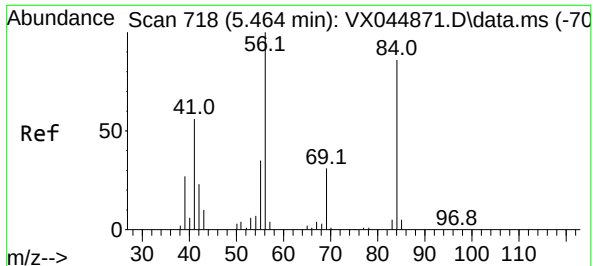
Tgt Ion: 83 Resp: 16449

Ion Ratio Lower Upper

83 100

85 63.4 52.1 78.1

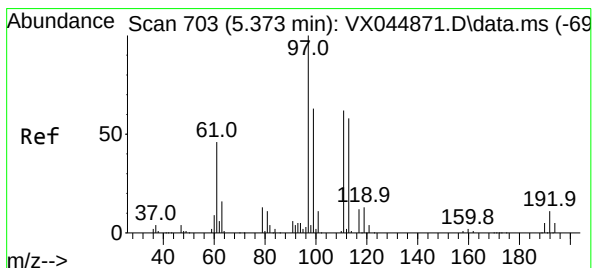
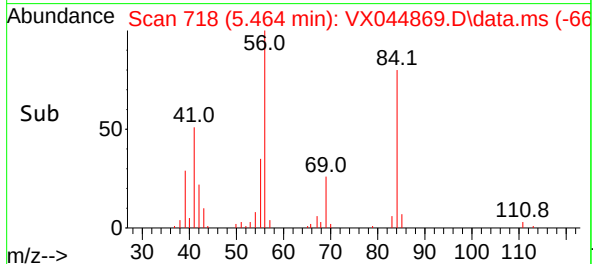
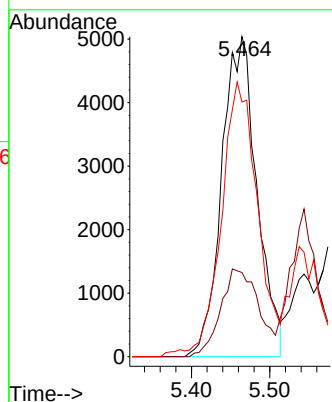
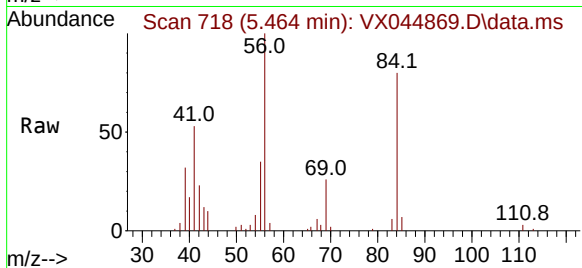




#31
Cyclohexane
Concen: 5.076 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

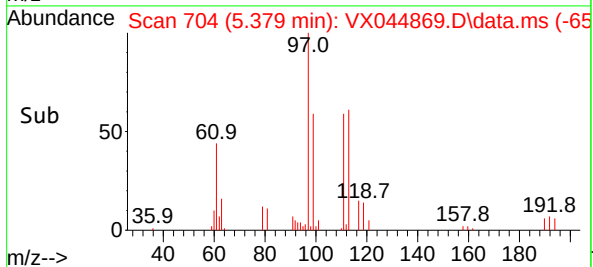
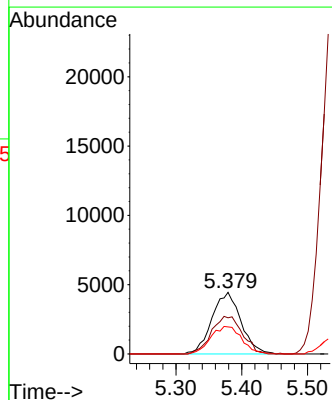
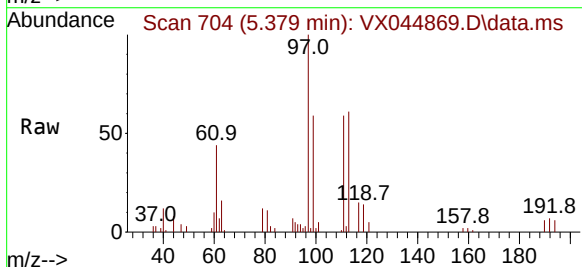
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

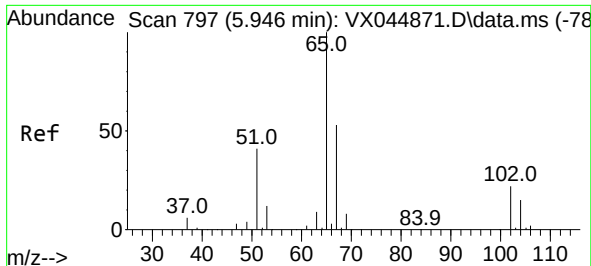
Tgt Ion: 56 Resp: 15705
Ion Ratio Lower Upper
56 100
69 26.3 24.4 36.6
84 77.4 69.0 103.6



#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

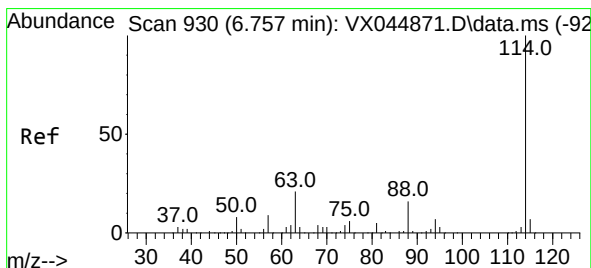
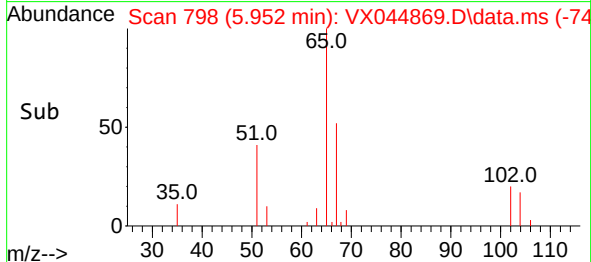
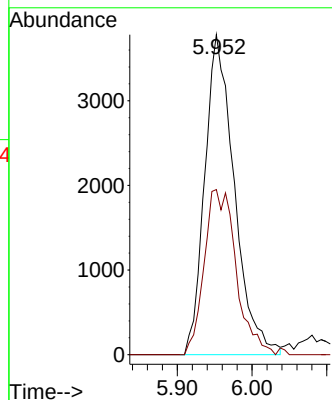
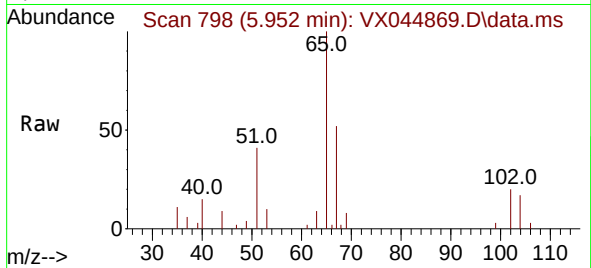




#33
 1,2-Dichloroethane-d4
 Concen: 5.219 ug/l
 RT: 5.952 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

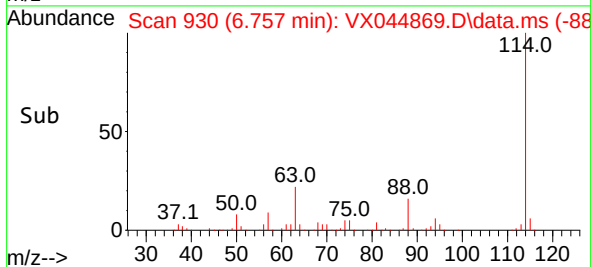
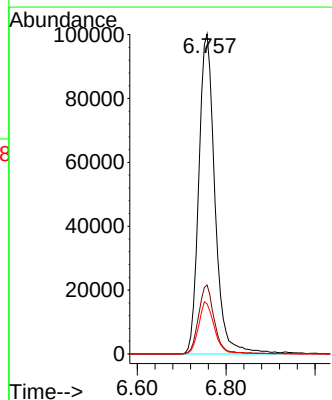
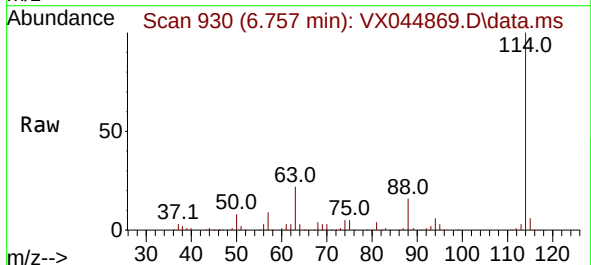
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

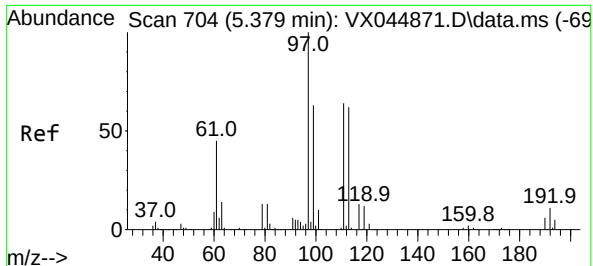
Tgt Ion: 65 Resp: 10397
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 108.2



#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

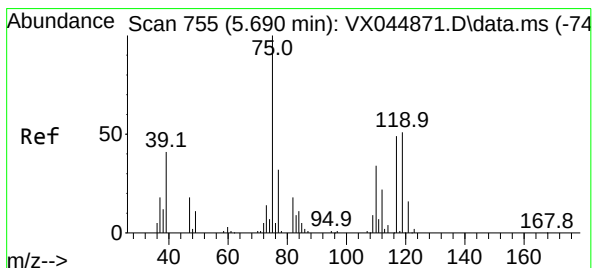
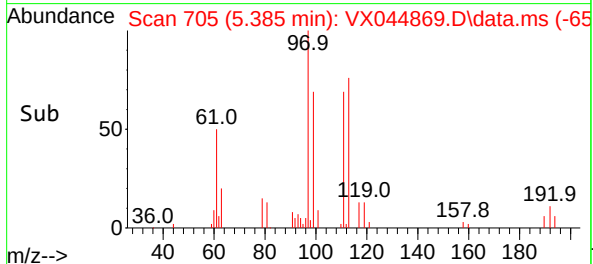
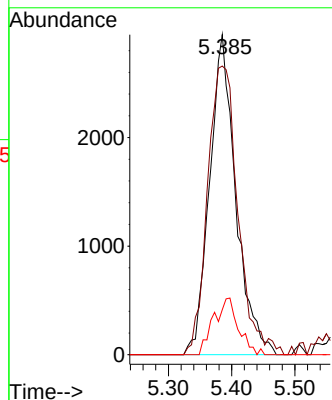
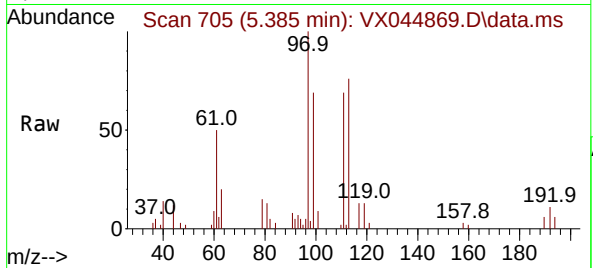




#35
Dibromofluoromethane
Concen: 5.150 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

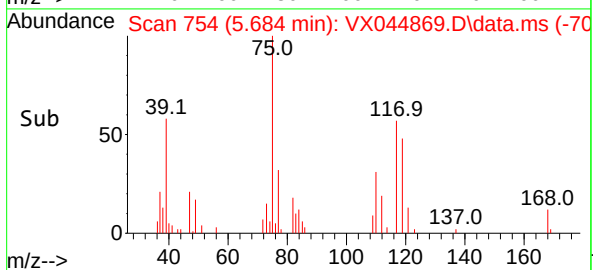
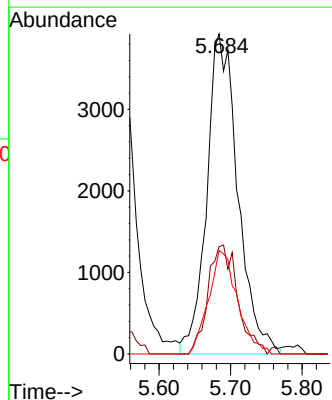
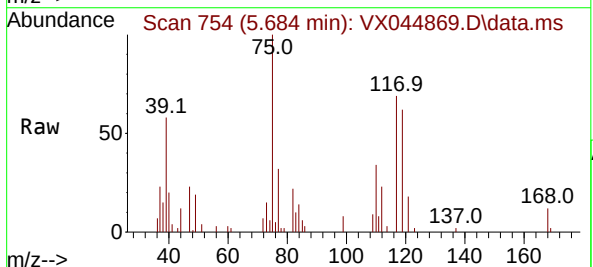
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

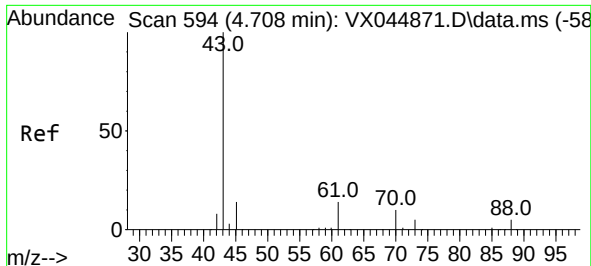
Tgt Ion:113 Resp: 8482
Ion Ratio Lower Upper
113 100
111 104.6 83.5 125.3
192 16.7 14.4 21.6



#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

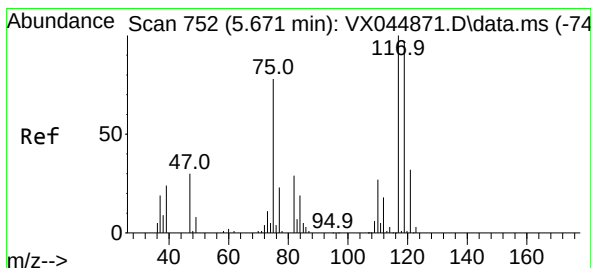
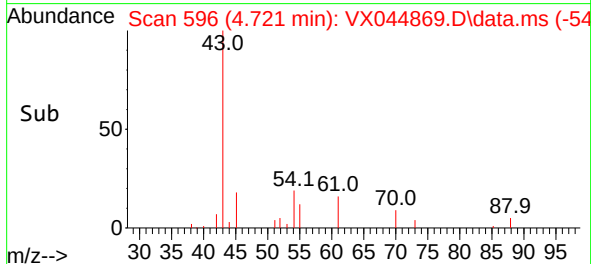
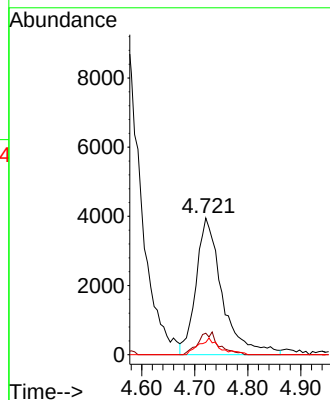
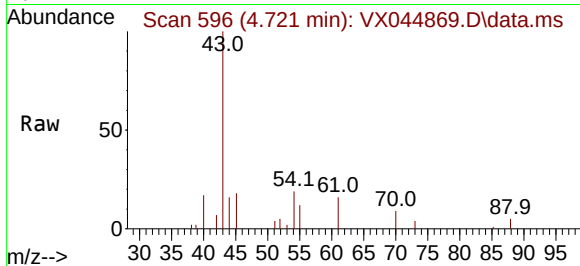
Tgt Ion: 43 Resp: 13530

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

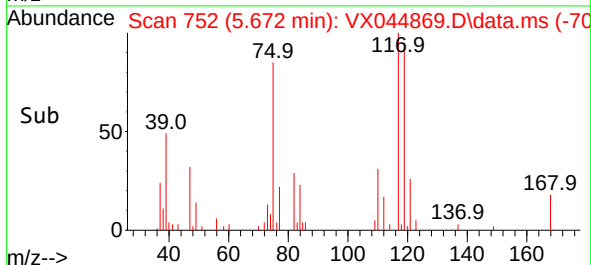
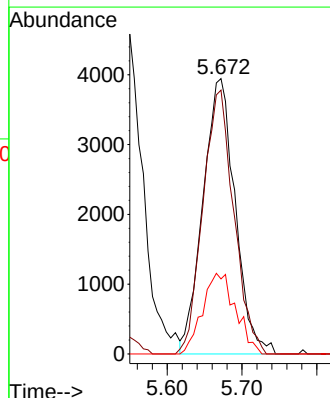
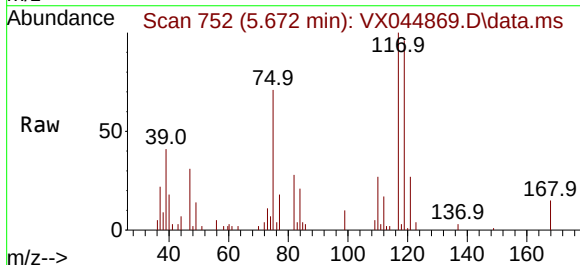
Tgt Ion: 117 Resp: 11797

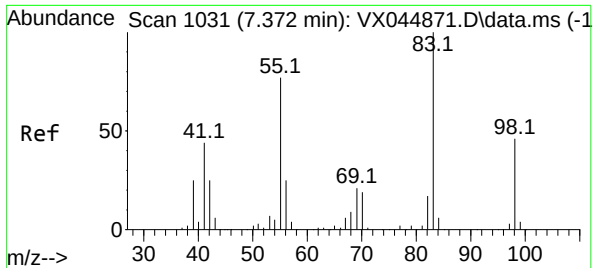
Ion Ratio Lower Upper

117 100

119 95.8 77.5 116.3

121 27.2 25.6 38.4

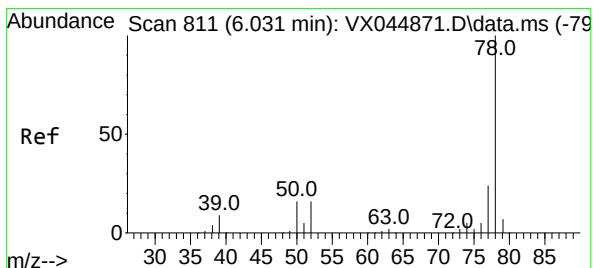
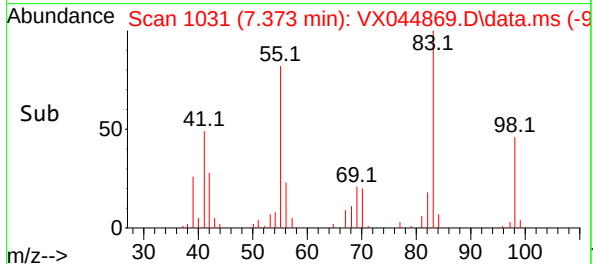
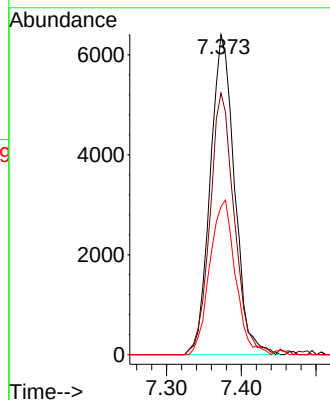
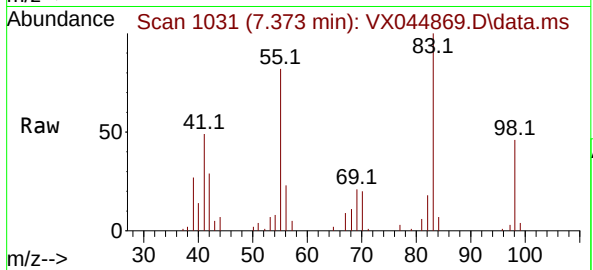




#39
Methylcyclohexane
Concen: 4.711 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

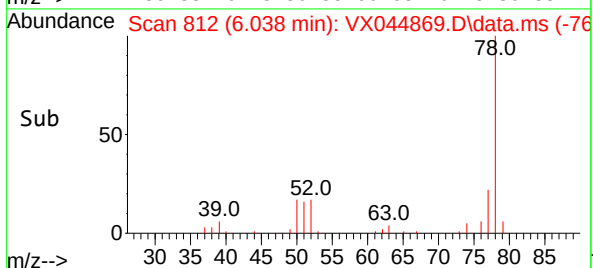
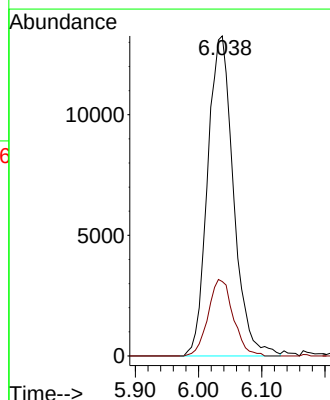
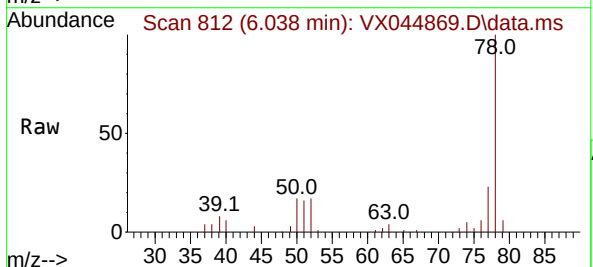
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

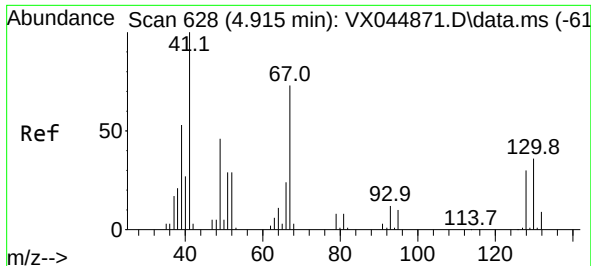
Tgt Ion: 83 Resp: 14472
Ion Ratio Lower Upper
83 100
55 81.7 61.3 91.9
98 46.3 37.0 55.6



#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

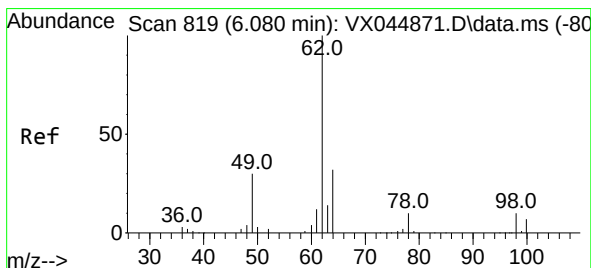
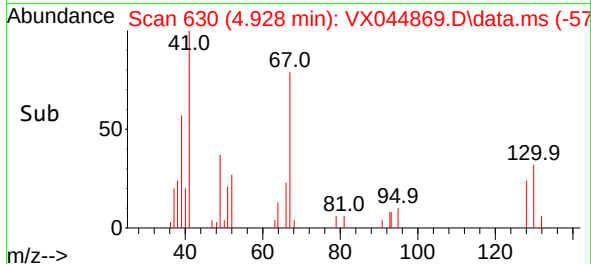
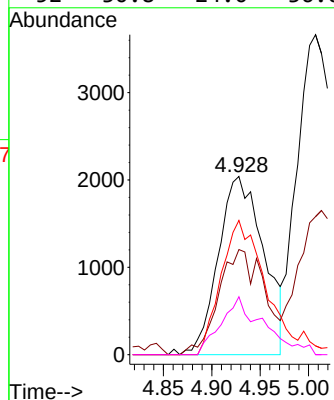
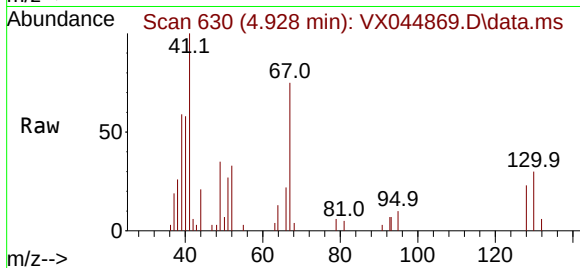




#41
Methacrylonitrile
Concen: 4.699 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

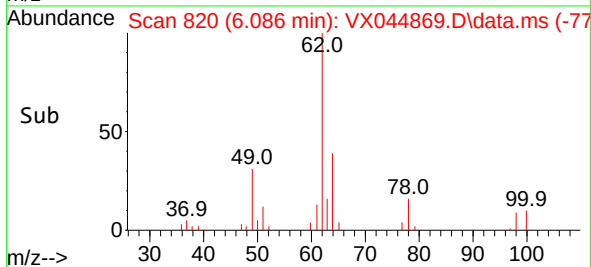
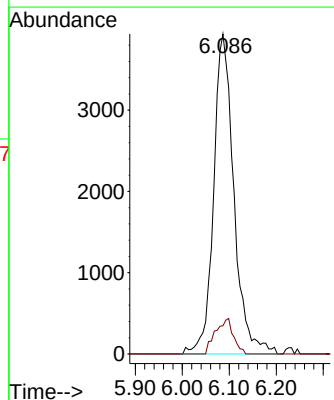
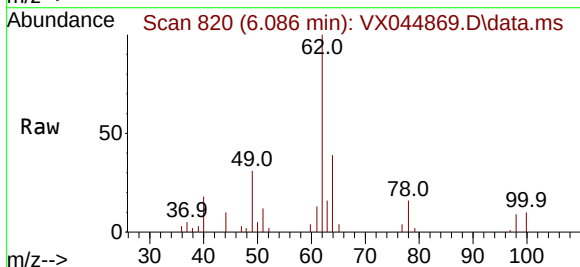
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

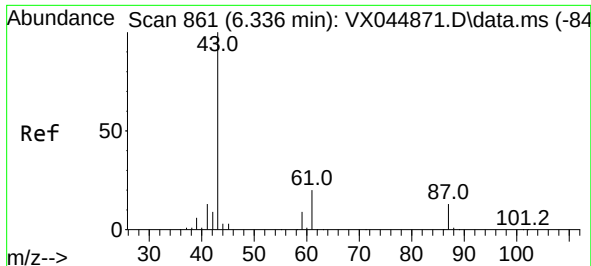
Tgt Ion:	41	Resp:	6648
Ion	Ratio	Lower	Upper
41	100		
39	59.4	43.1	64.7
67	72.7	57.0	85.6
52	30.8	24.0	36.0



#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

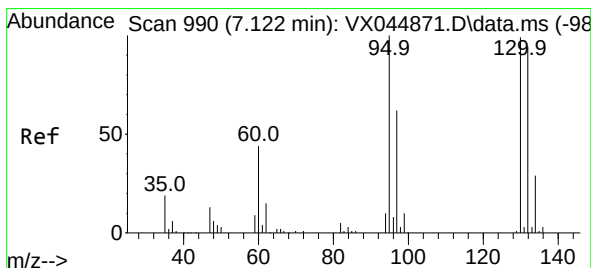
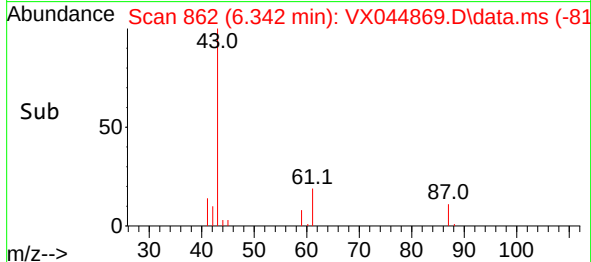
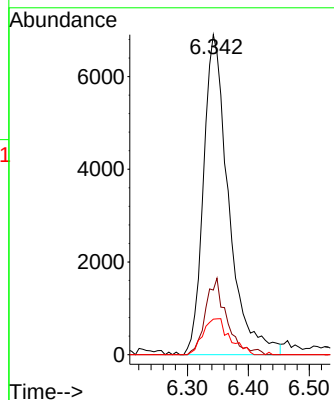
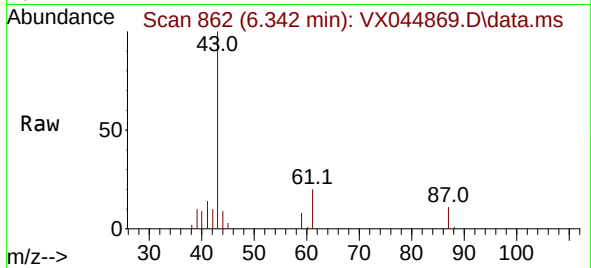




#43
Isopropyl Acetate
Concen: 4.640 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

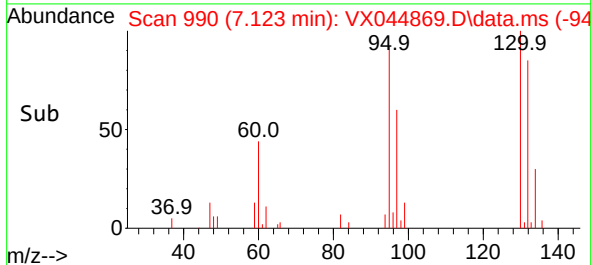
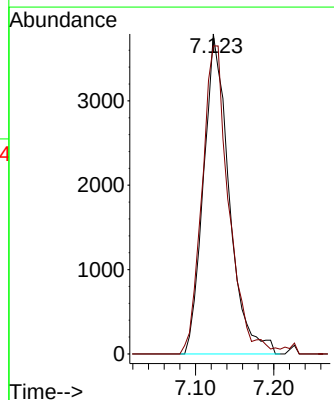
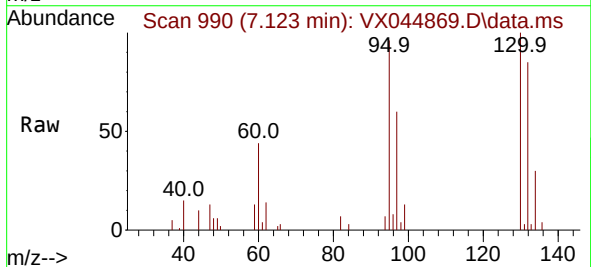
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

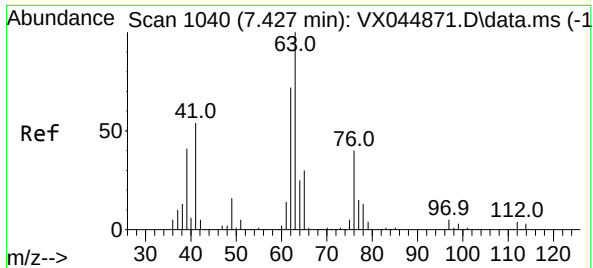
Tgt Ion: 43 Resp: 19803
Ion Ratio Lower Upper
43 100
61 20.2 15.8 23.8
87 11.9 10.0 15.0



#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

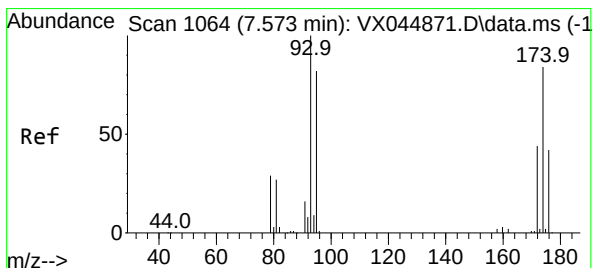
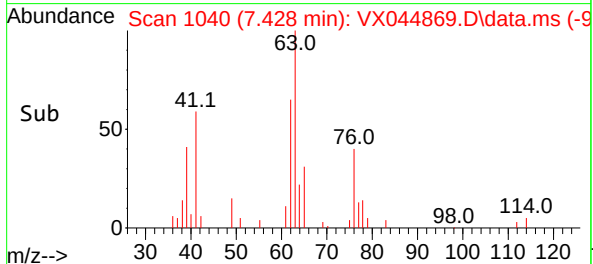
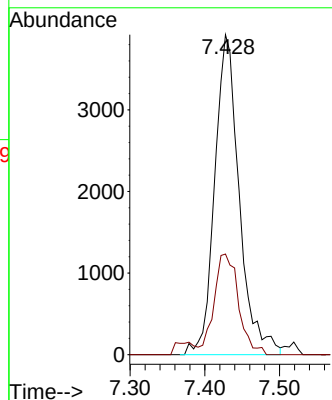
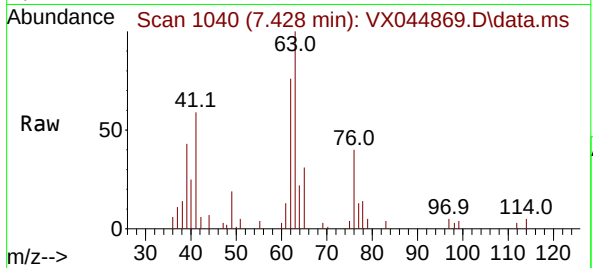




#45
1,2-Dichloropropane
Concen: 4.863 ug/l
RT: 7.428 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

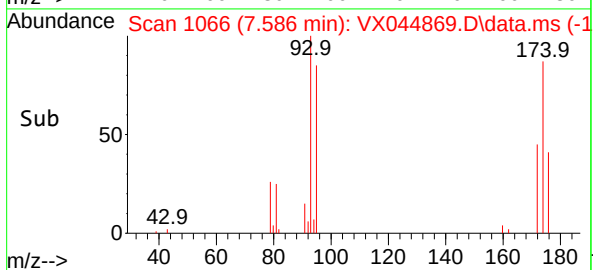
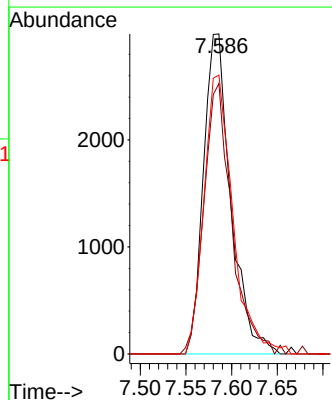
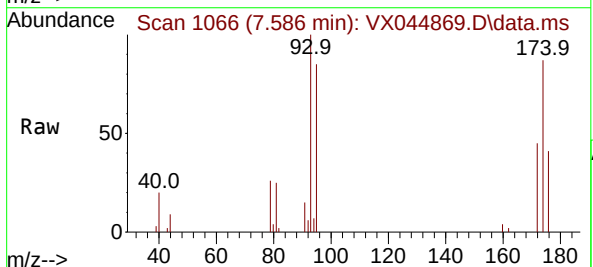
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

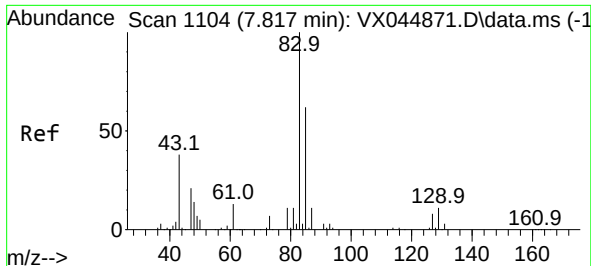
Tgt Ion: 63 Resp: 8976
Ion Ratio Lower Upper
63 100
65 31.4 24.2 36.4



#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

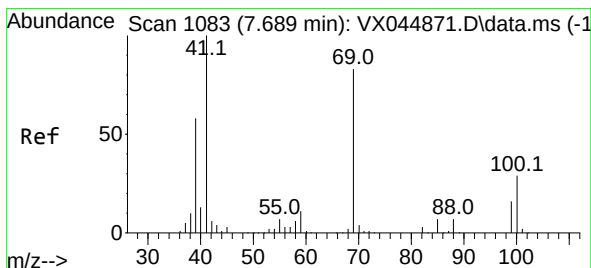
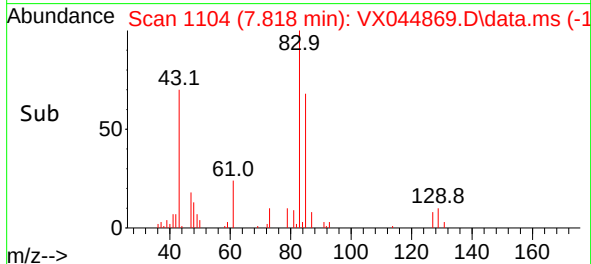
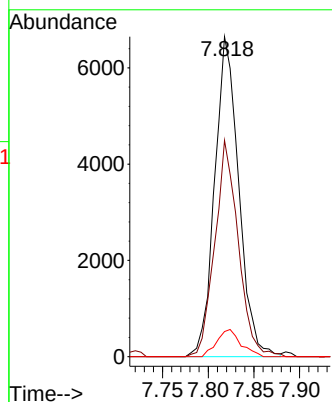
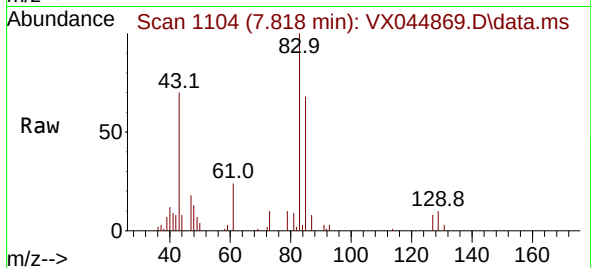




#47
Bromodichloromethane
Concen: 4.911 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

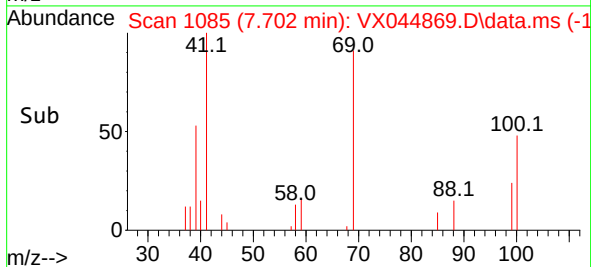
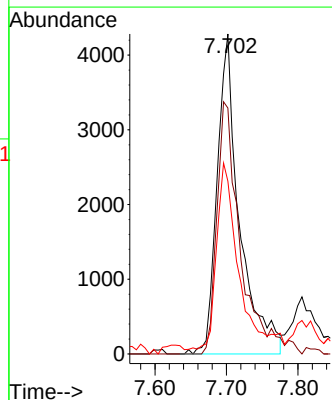
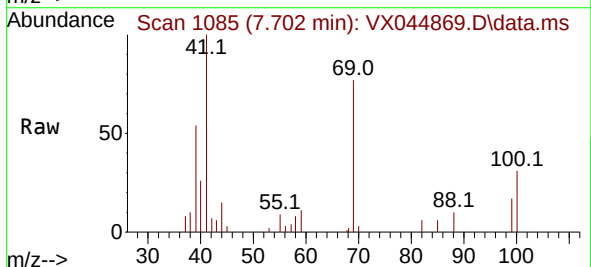
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

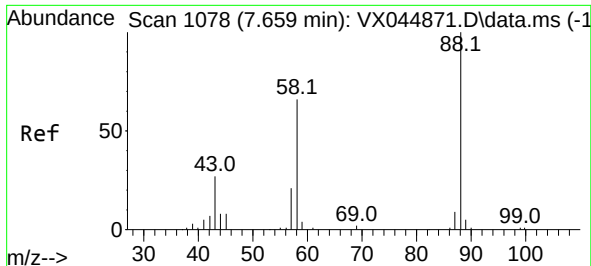
Tgt Ion: 83 Resp: 12173
Ion Ratio Lower Upper
83 100
85 67.6 50.0 75.0
127 7.8 6.4 9.6



#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

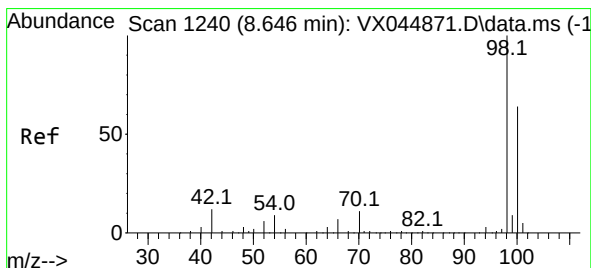
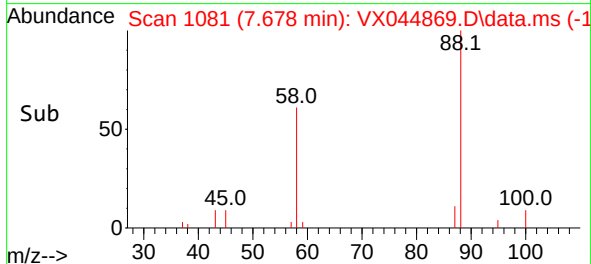
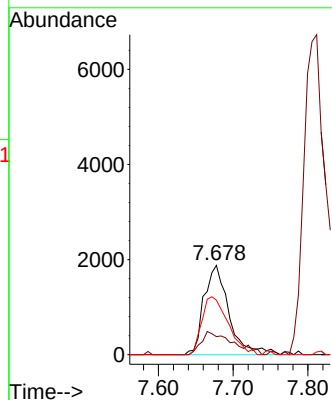
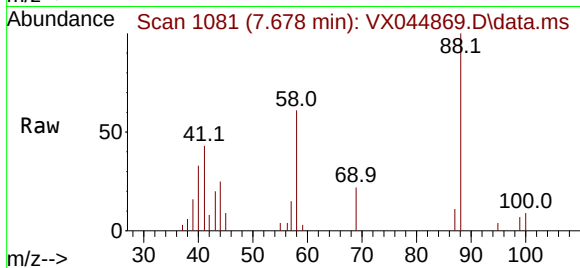
Tgt Ion: 88 Resp: 4365

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

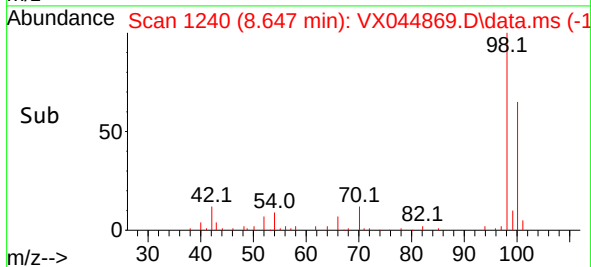
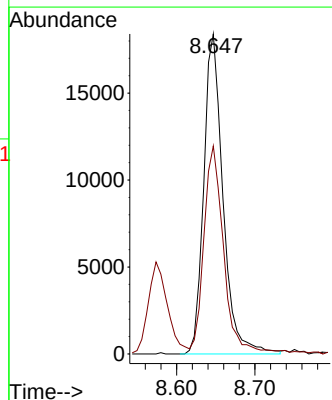
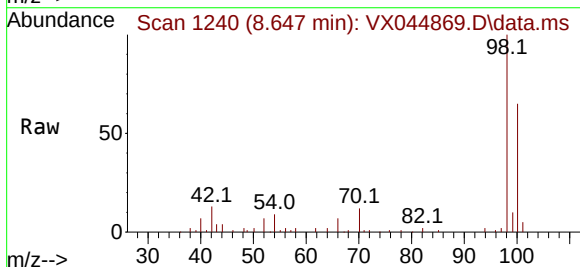
Acq: 10 Feb 2025 10:48

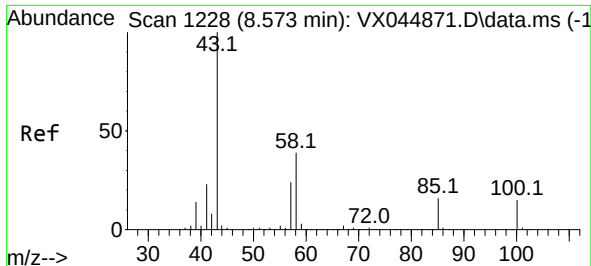
Tgt Ion: 98 Resp: 31381

Ion Ratio Lower Upper

98 100

100 67.8 52.7 79.1

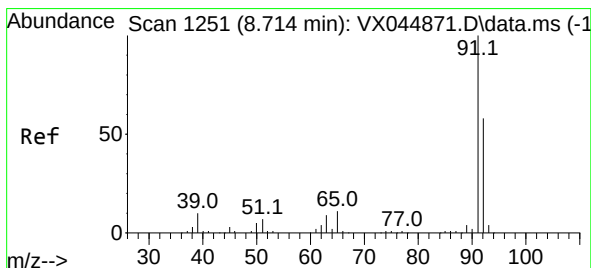
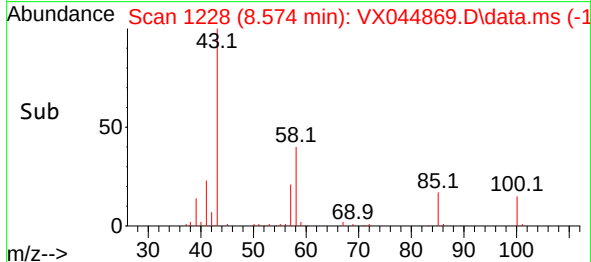
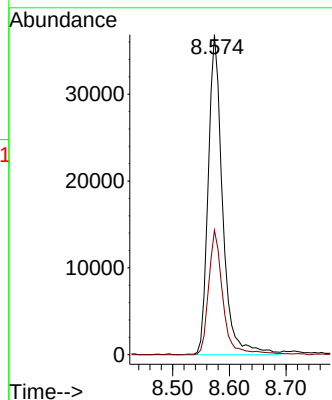
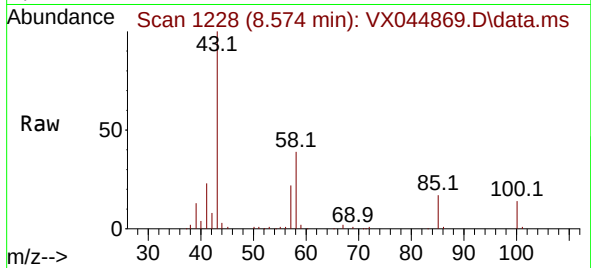




#51
4-Methyl-2-Pentanone
Concen: 25.076 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

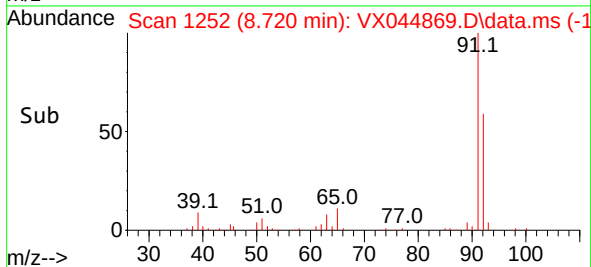
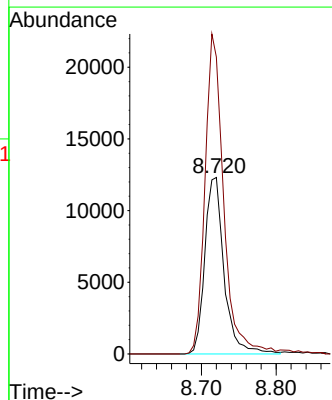
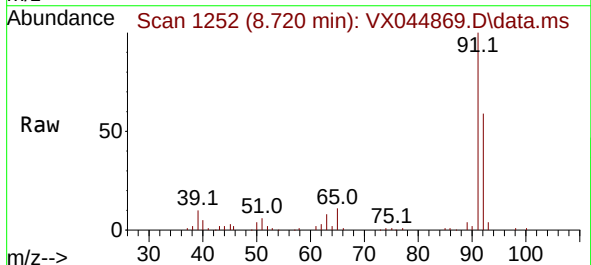
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

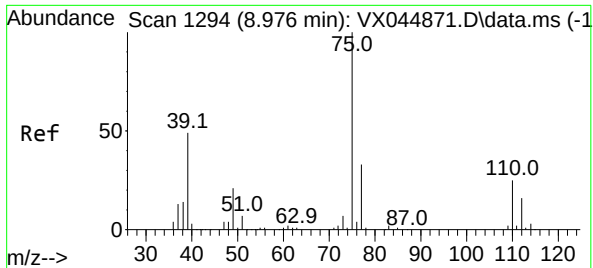
Tgt Ion: 43 Resp: 65064
Ion Ratio Lower Upper
43 100
58 38.7 30.8 46.2



#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

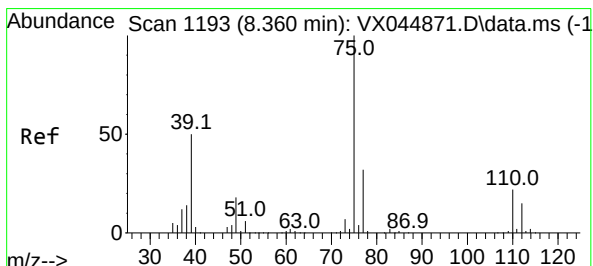
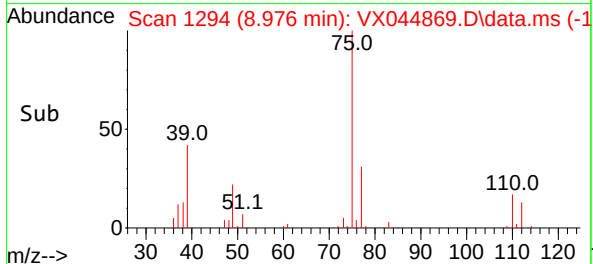
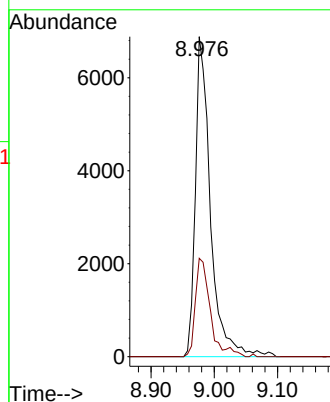
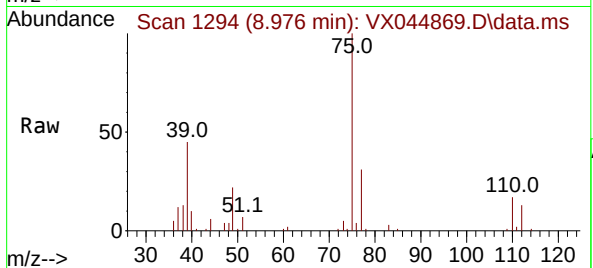




#53
 t-1,3-Dichloropropene
 Concen: 4.550 ug/l
 RT: 8.976 min Scan# 1194
 Delta R.T. 0.000 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

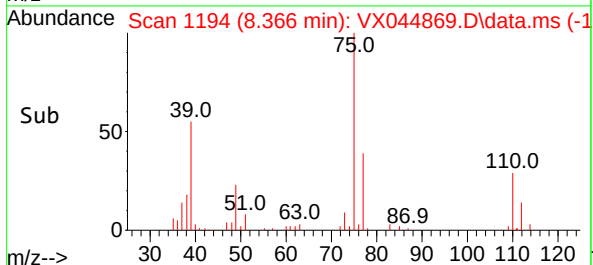
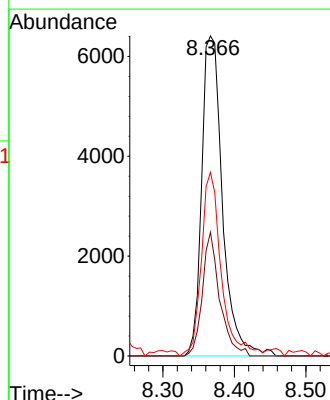
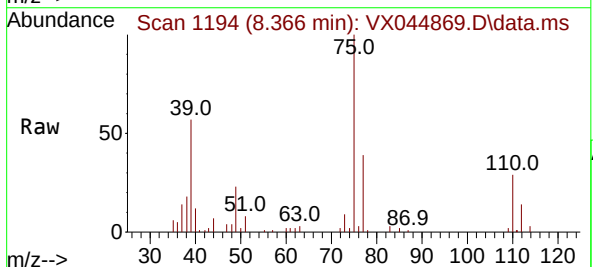
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

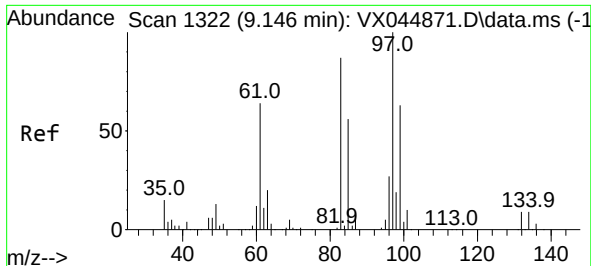
Tgt Ion: 75 Resp: 11413
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.0 39.0



#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 :

VSTDICC005

Tgt Ion: 97 Resp: 8662

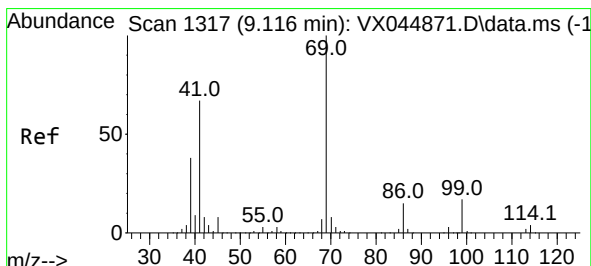
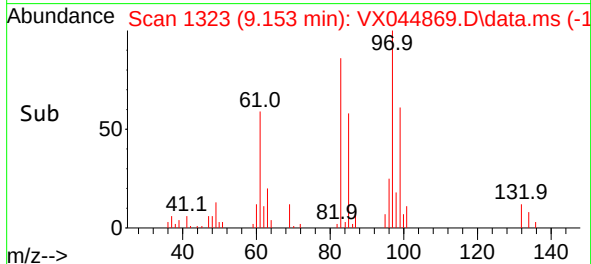
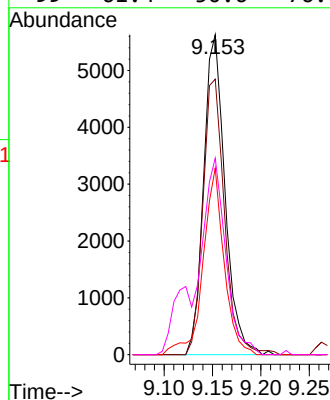
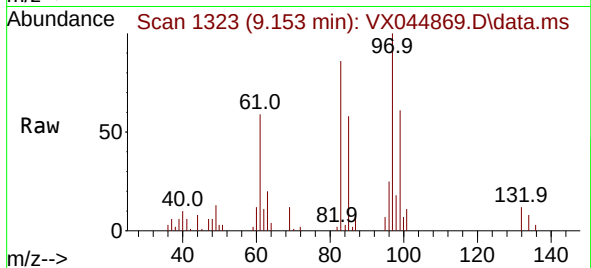
Ion Ratio Lower Upper

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

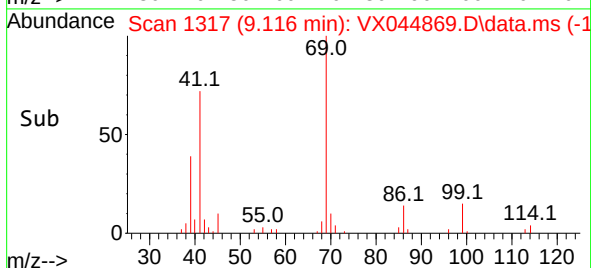
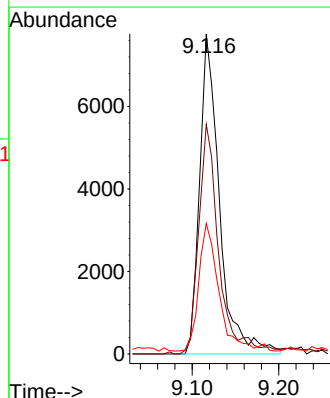
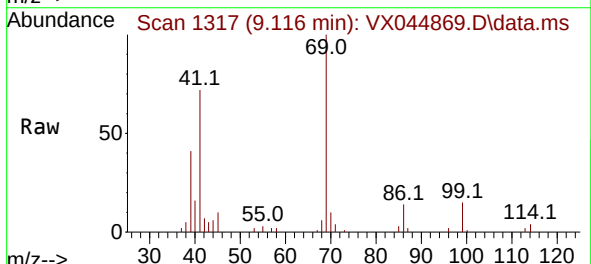
Tgt Ion: 69 Resp: 12351

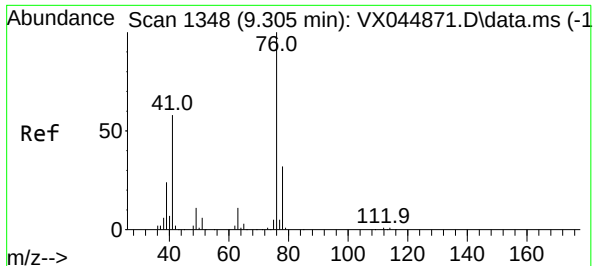
Ion Ratio Lower Upper

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 :

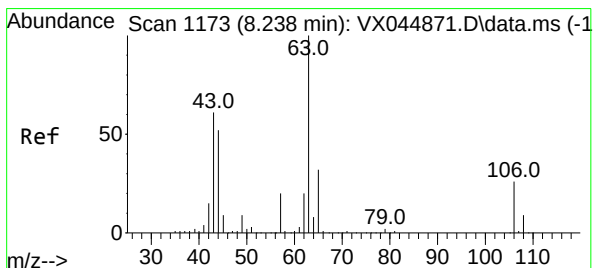
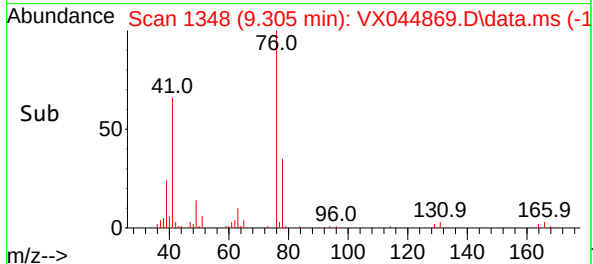
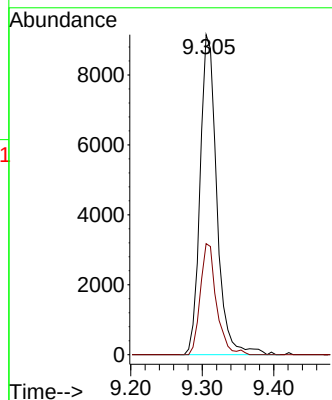
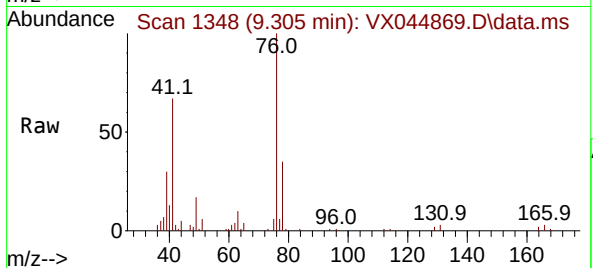
VSTDICC005

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

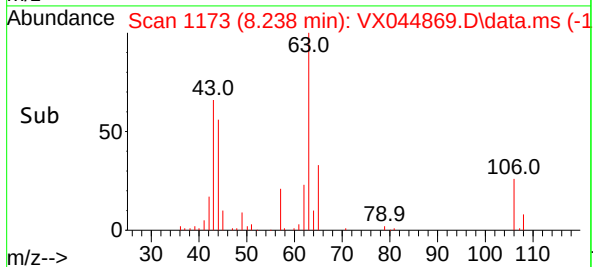
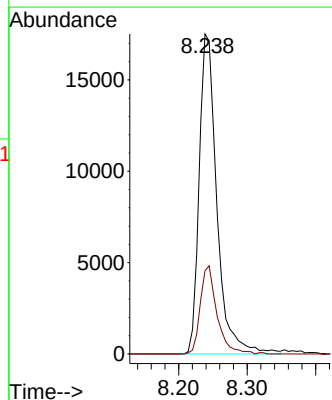
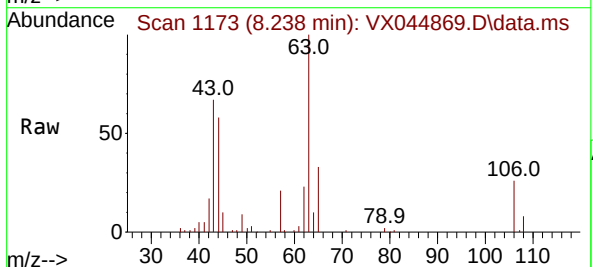
Acq: 10 Feb 2025 10:48

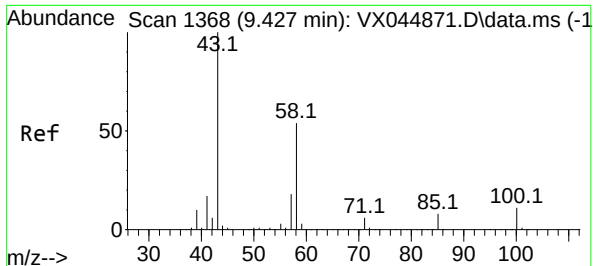
Tgt Ion: 63 Resp: 31498

Ion Ratio Lower Upper

63 100

106 25.8 21.3 31.9

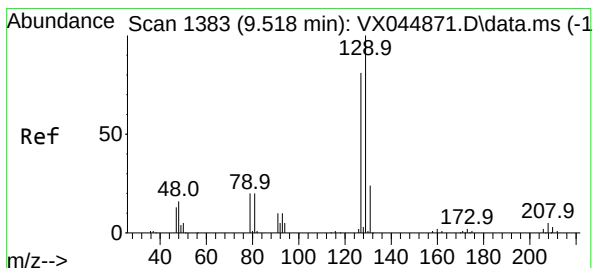
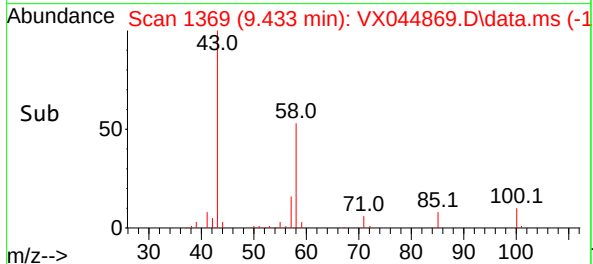
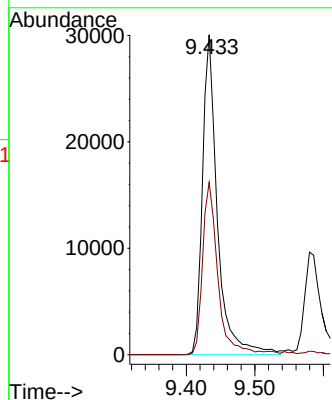
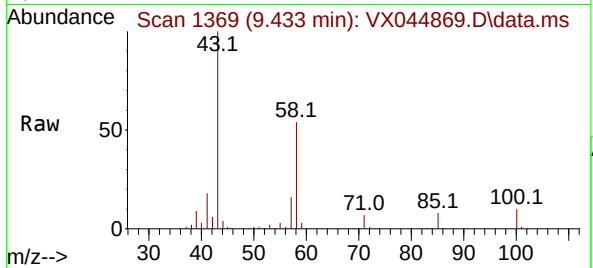




#59
2-Hexanone
Concen: 24.359 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

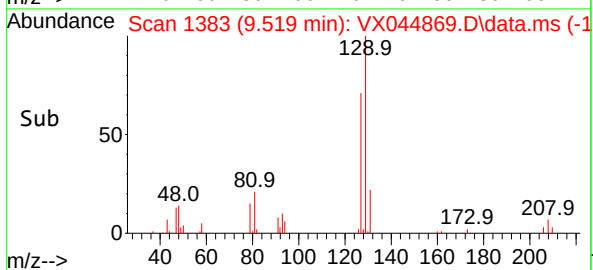
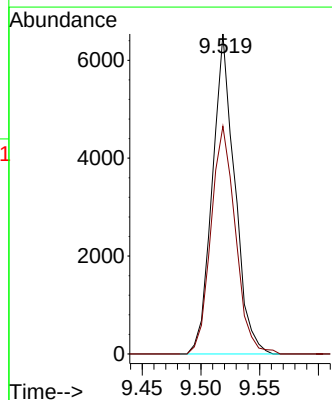
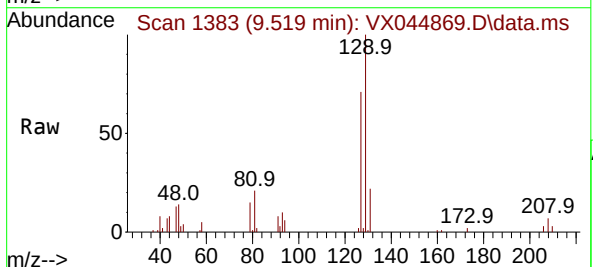
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

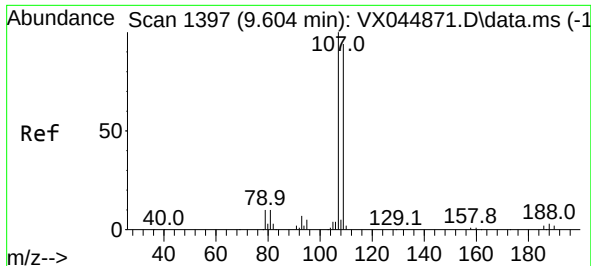
Tgt Ion: 43 Resp: 45538
Ion Ratio Lower Upper
43 100
58 55.5 27.5 82.4



#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

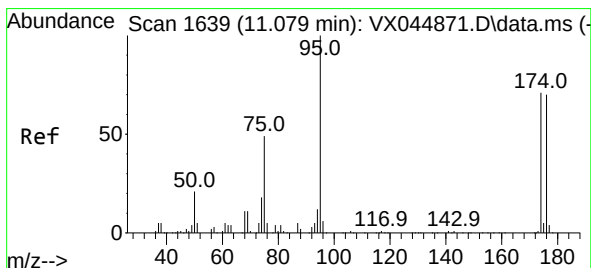
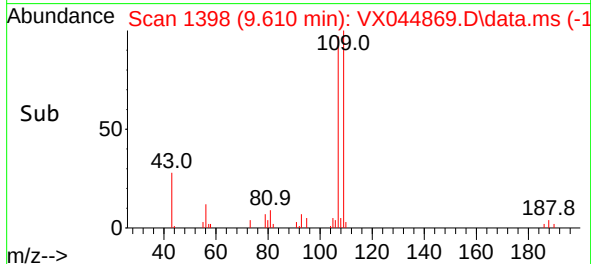
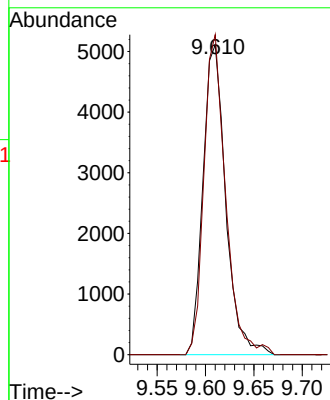
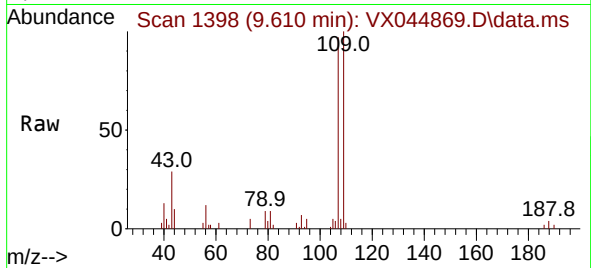




#61
1,2-Dibromoethane
Concen: 4.852 ug/l
RT: 9.610 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

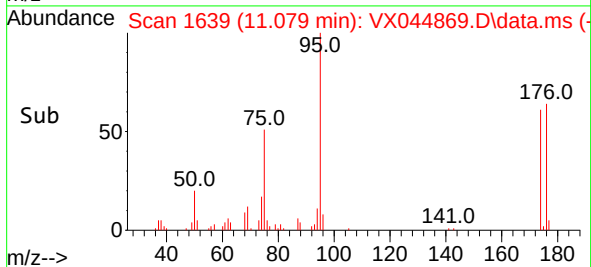
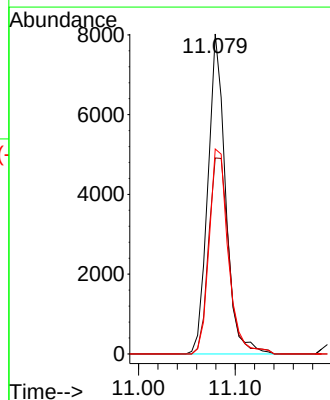
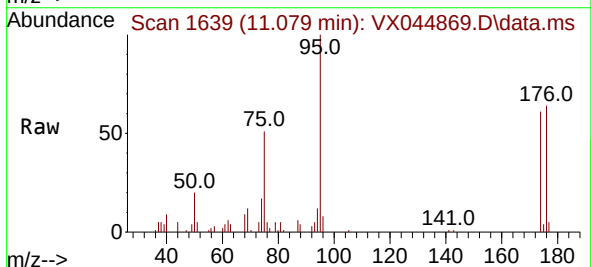
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

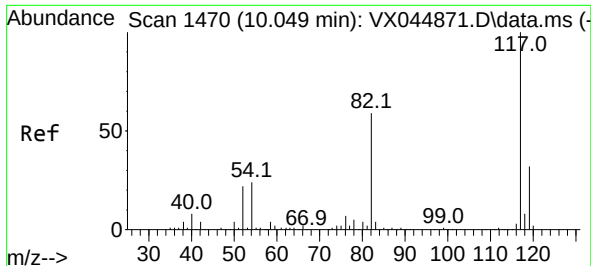
Tgt Ion:107 Resp: 8353
Ion Ratio Lower Upper
107 100
109 98.8 75.9 113.9



#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

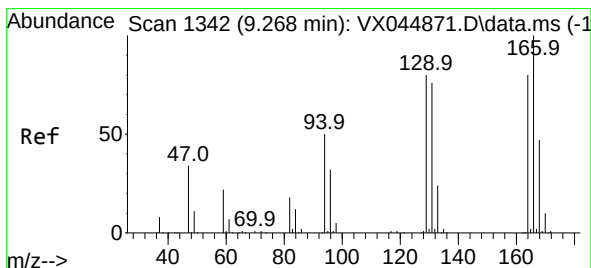
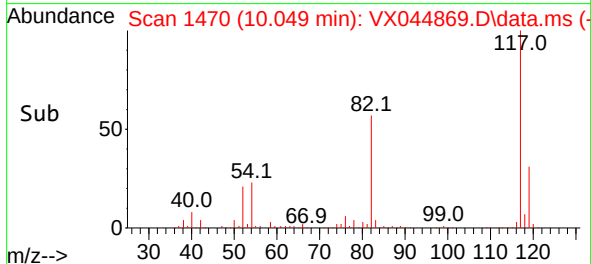
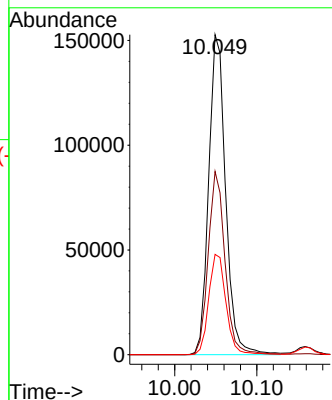
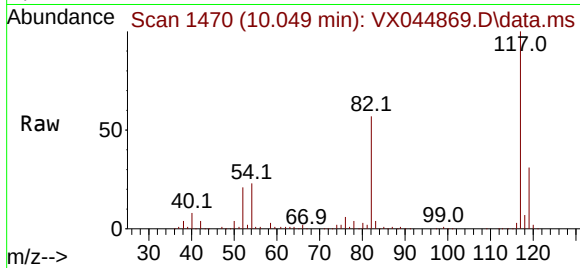




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

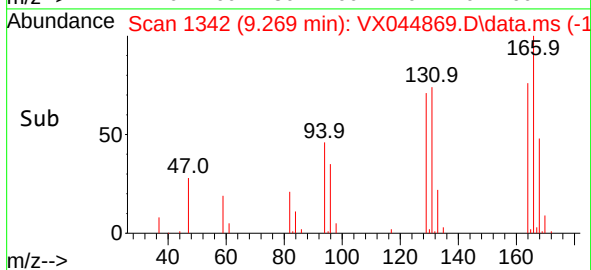
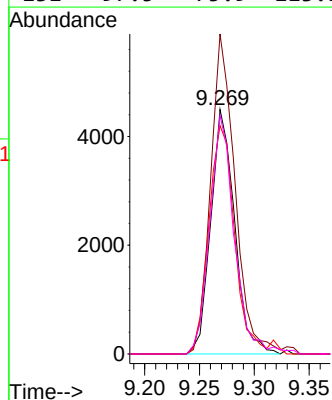
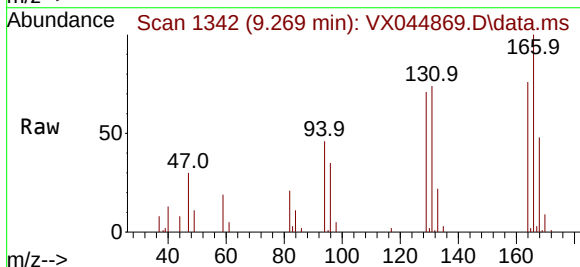
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

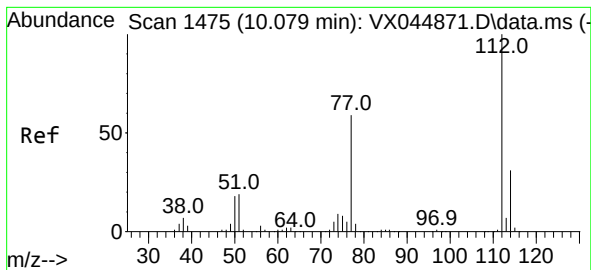
Tgt Ion:117 Resp: 218625
Ion Ratio Lower Upper
117 100
82 57.3 47.5 71.3
119 31.4 25.4 38.0



#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

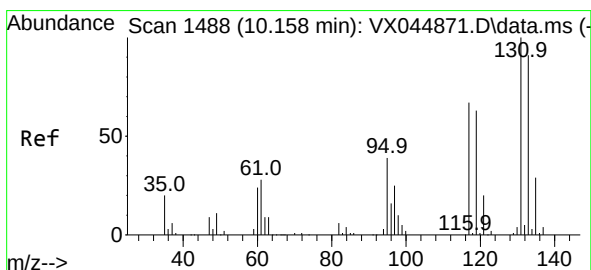
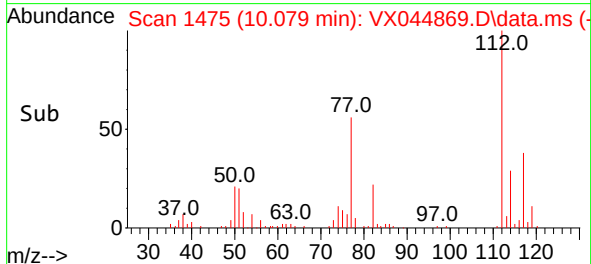
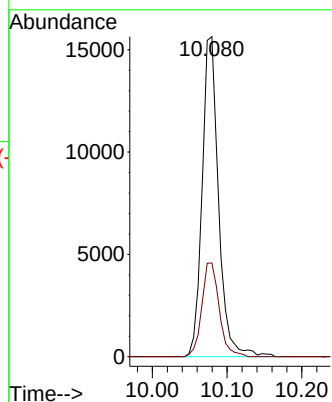
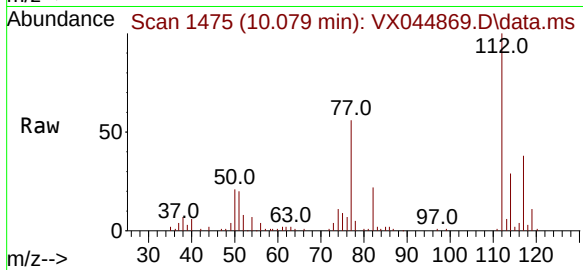




#65
Chlorobenzene
Concen: 5.090 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

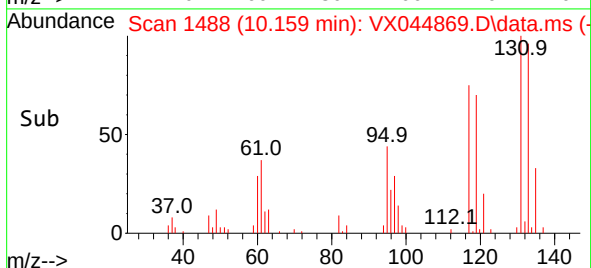
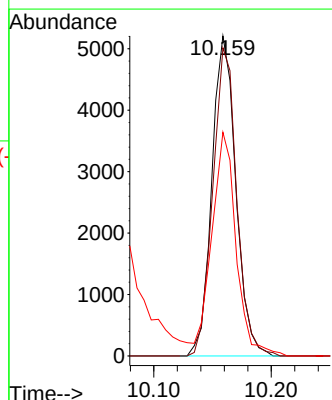
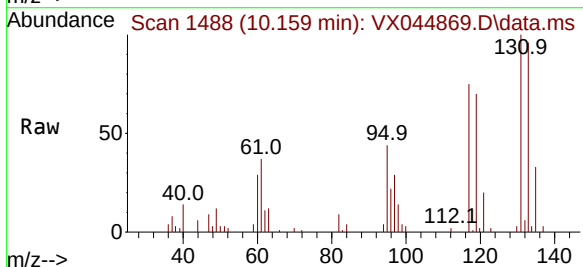
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

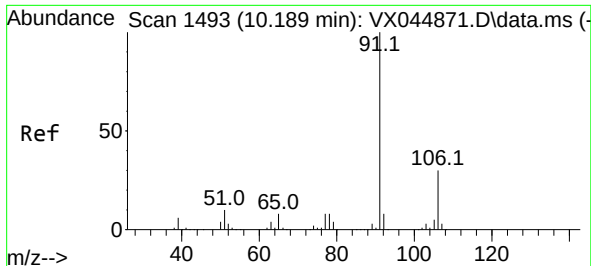
Tgt Ion:112 Resp: 23903
Ion Ratio Lower Upper
112 100
114 29.3 25.0 37.6



#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 :

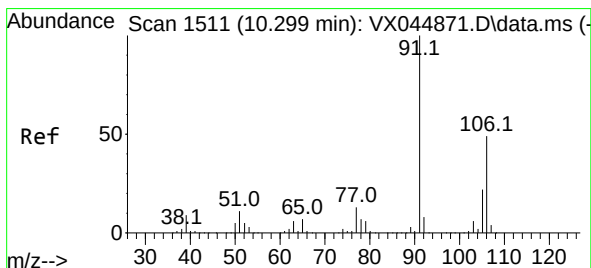
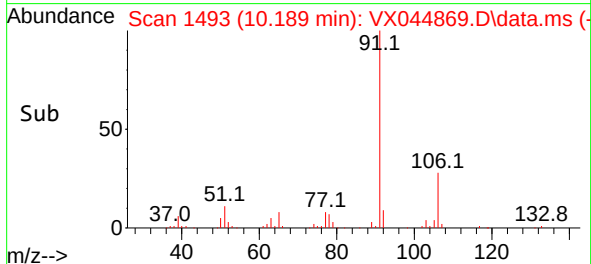
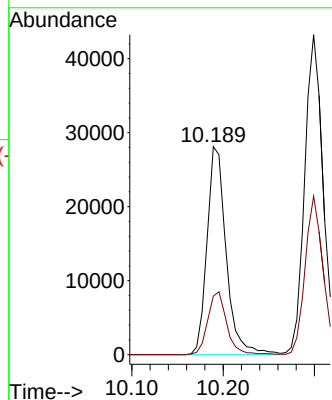
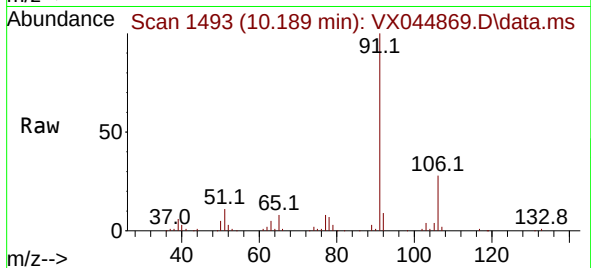
VSTDICC005

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

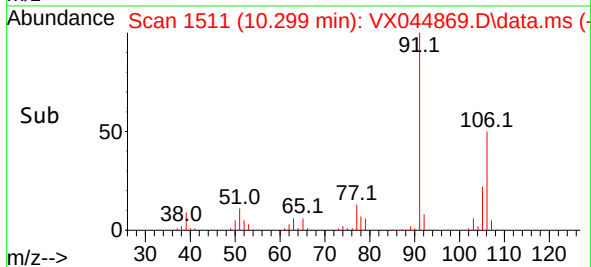
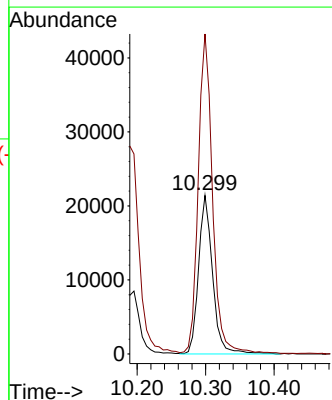
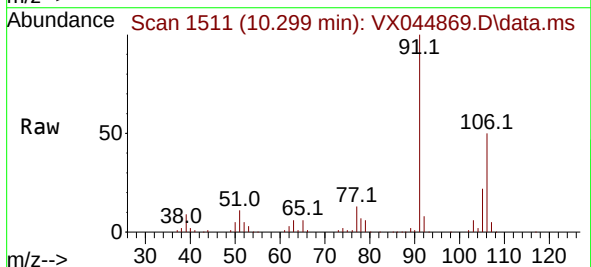
Acq: 10 Feb 2025 10:48

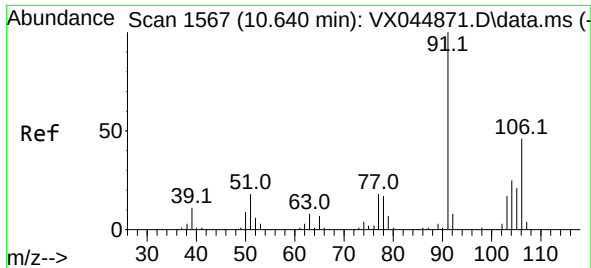
Tgt Ion: 106 Resp: 30627

Ion Ratio Lower Upper

106 100

91 204.6 164.3 246.5

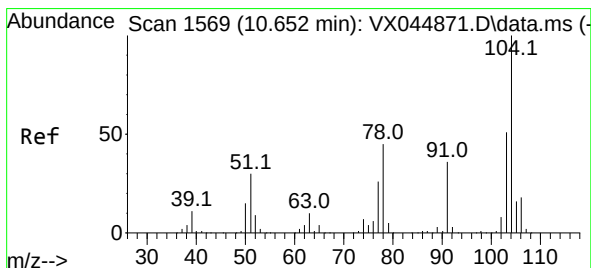
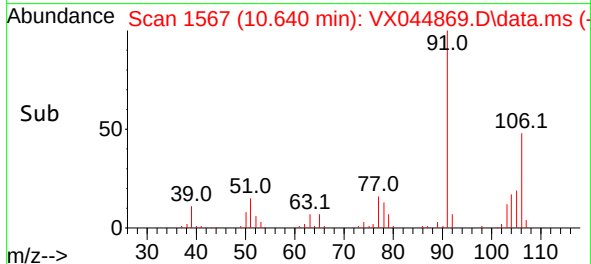
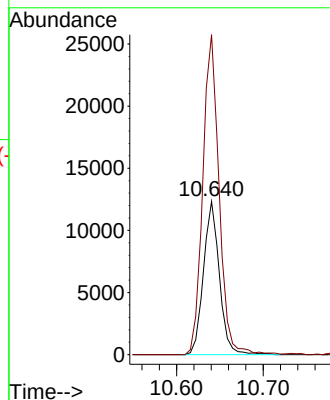
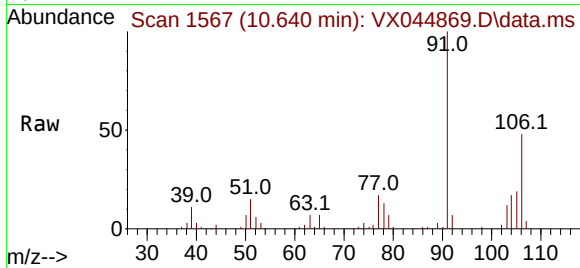




#69
o-Xylene
Concen: 5.139 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

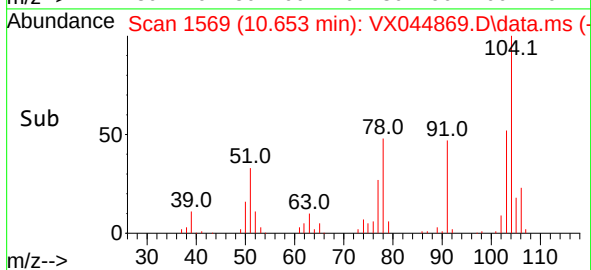
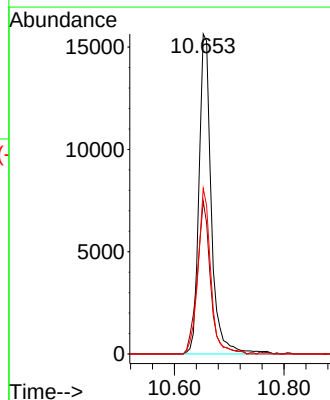
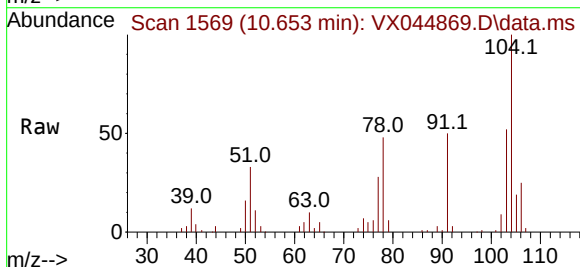
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

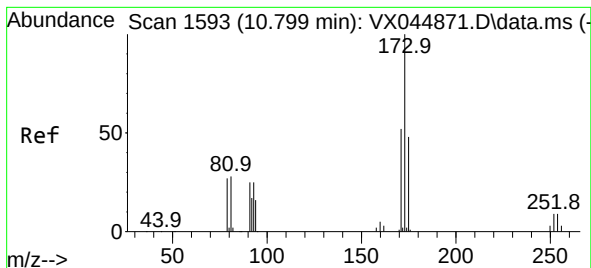
Tgt Ion:106 Resp: 15761
Ion Ratio Lower Upper
106 100
91 213.9 108.5 325.5



#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 :

VSTDICC005

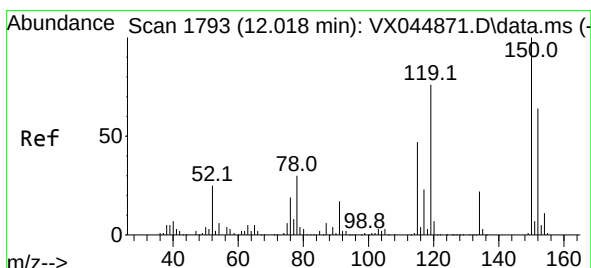
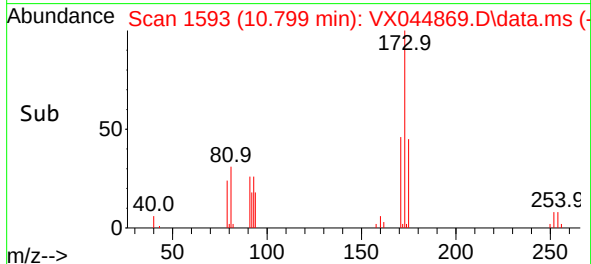
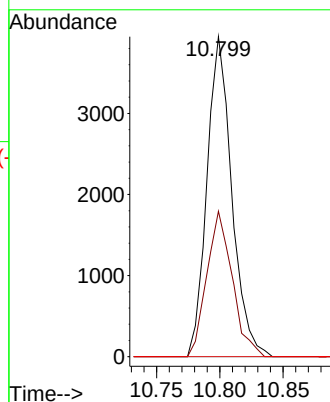
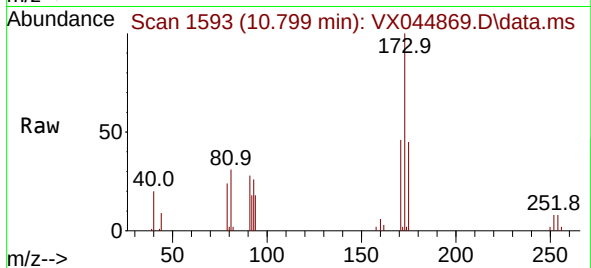
Tgt Ion:173 Resp: 5391

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

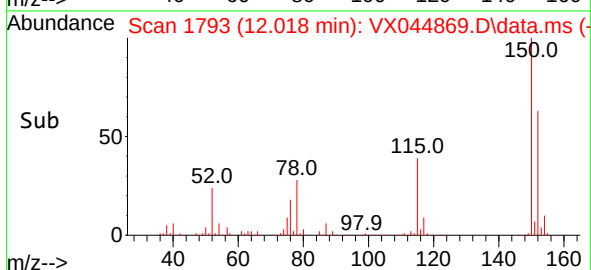
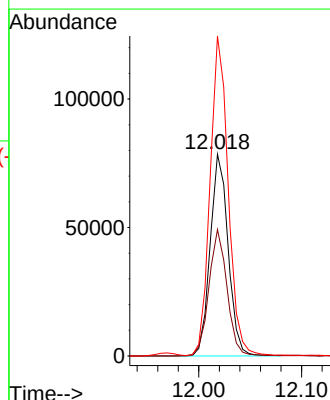
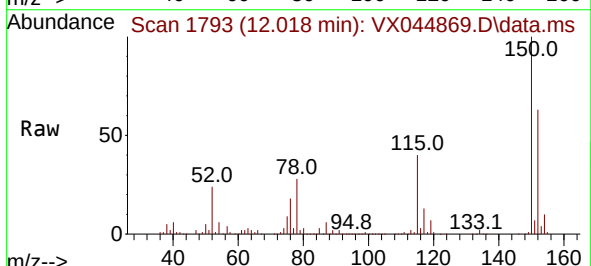
Tgt Ion:152 Resp: 95494

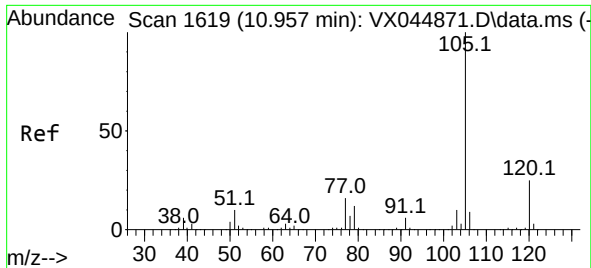
Ion Ratio Lower Upper

152 100

115 63.3 43.4 130.1

150 159.0 0.0 350.4

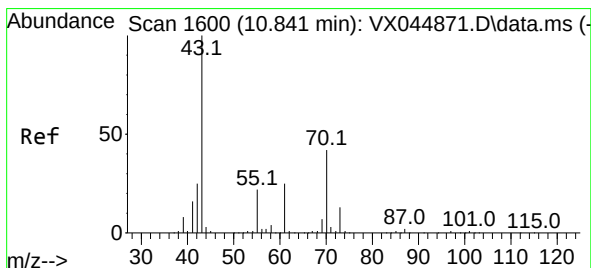
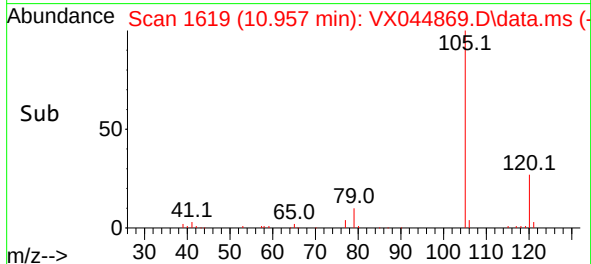
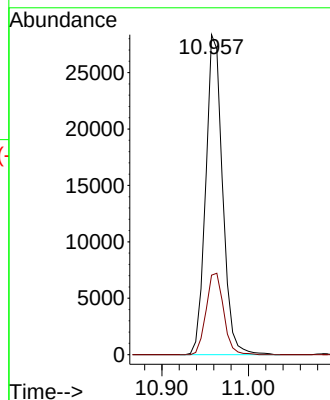
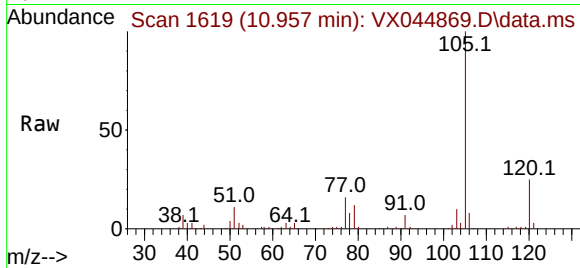




#73
Isopropylbenzene
Concen: 4.983 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

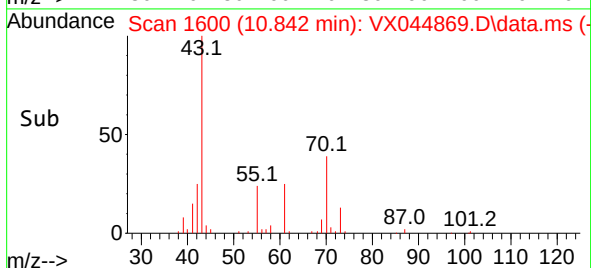
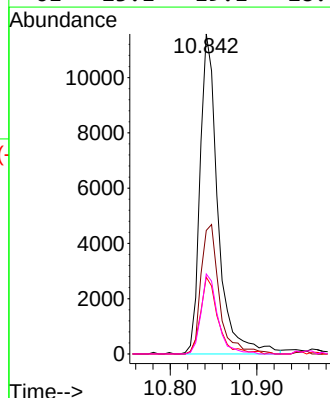
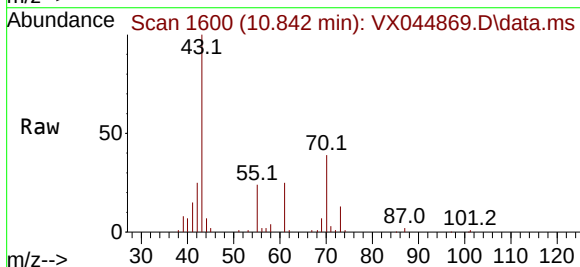
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

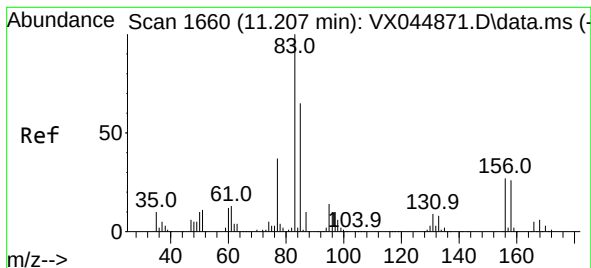
Tgt Ion:105 Resp: 38315
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.5



#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# 1

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

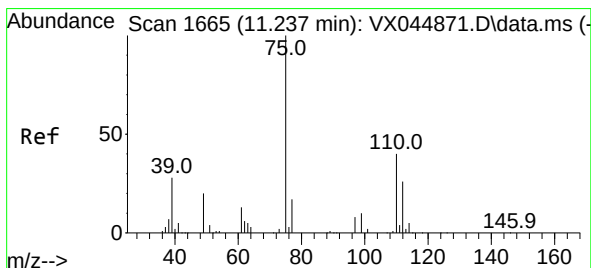
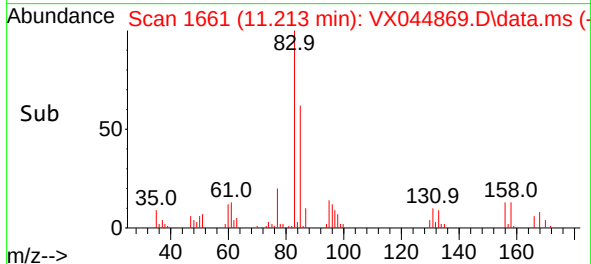
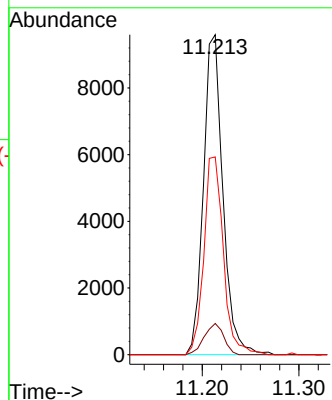
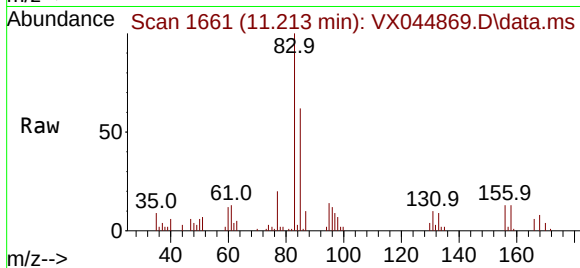
Tgt Ion: 83 Resp: 13394

Ion Ratio Lower Upper

83 100

131 9.8 4.5 13.5

85 62.1 32.3 96.8



#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

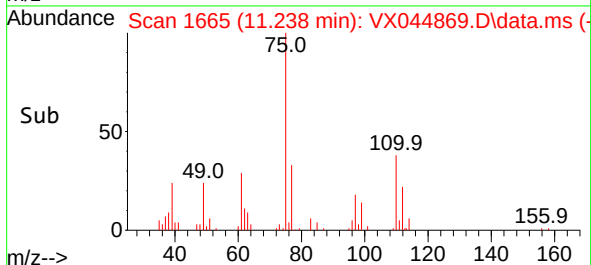
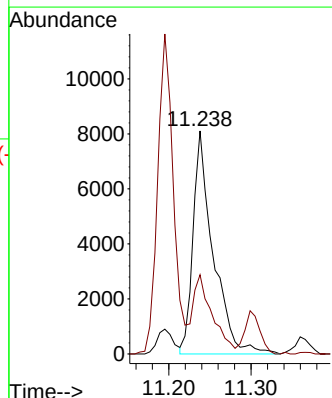
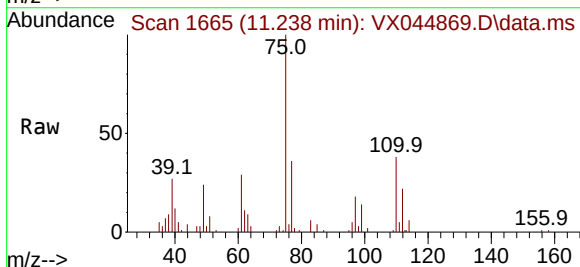
Acq: 10 Feb 2025 10:48

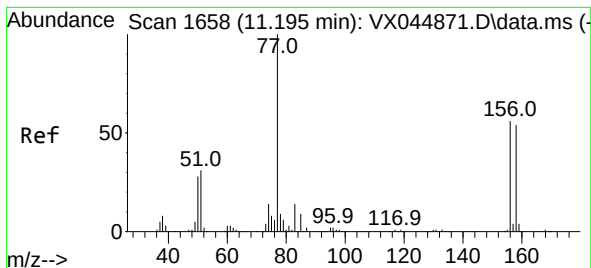
Tgt Ion: 75 Resp: 13757

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# 1

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

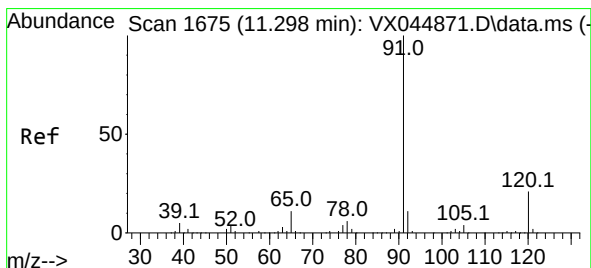
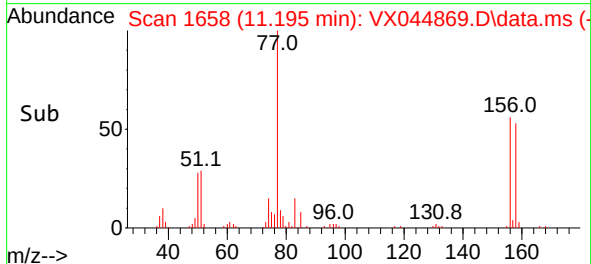
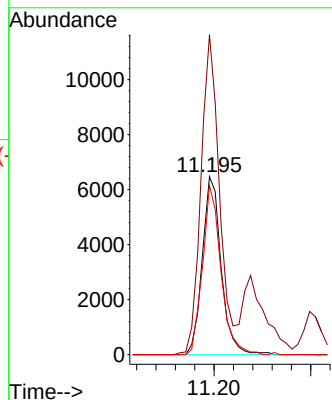
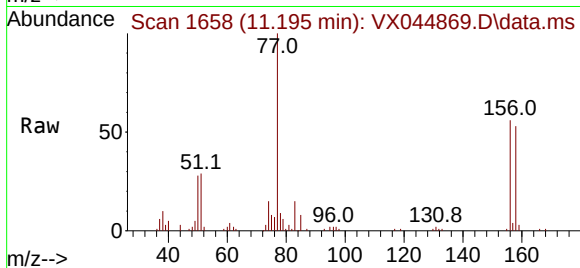
Tgt Ion:156 Resp: 8789

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

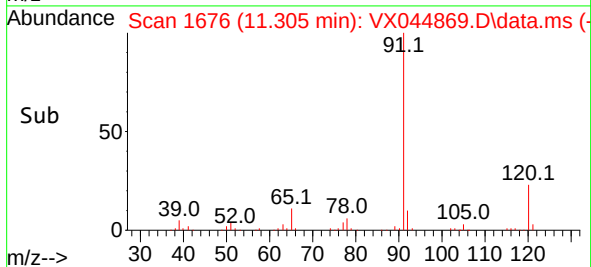
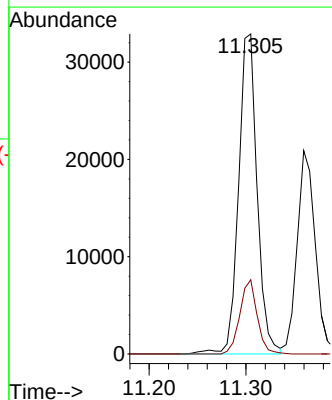
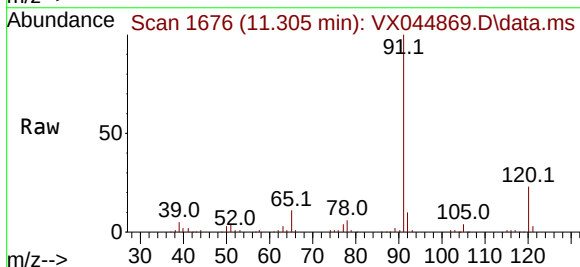
Acq: 10 Feb 2025 10:48

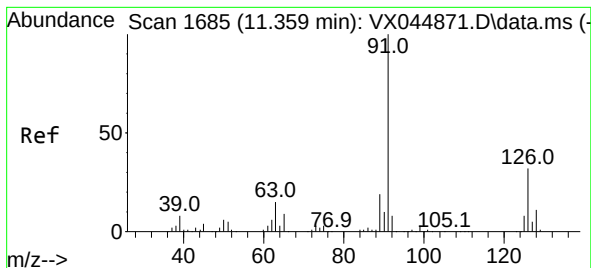
Tgt Ion: 91 Resp: 43923

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 :

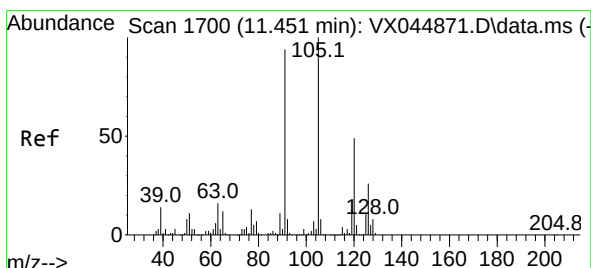
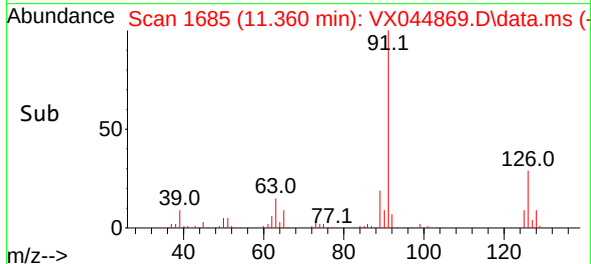
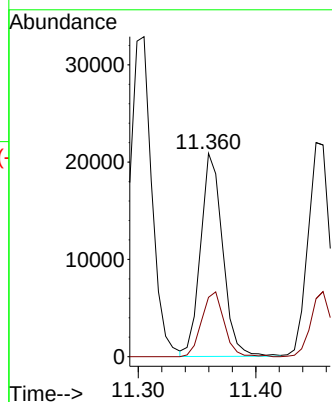
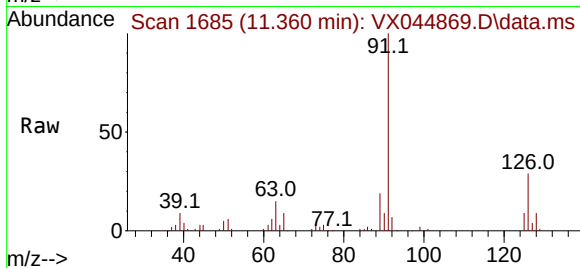
VSTDIC005

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

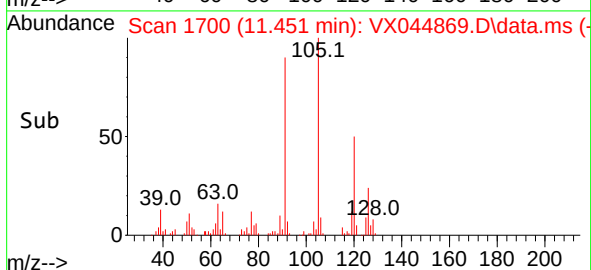
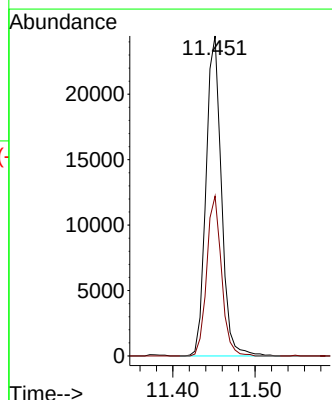
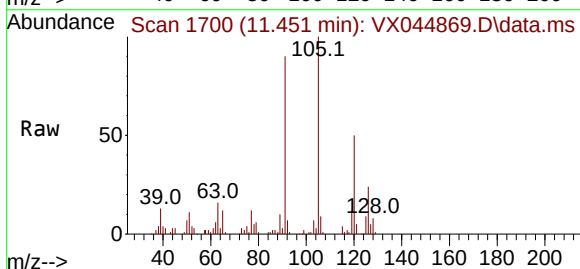
Acq: 10 Feb 2025 10:48

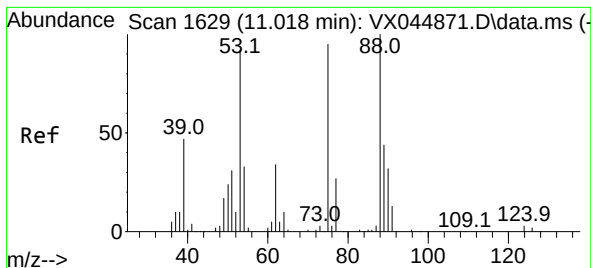
Tgt Ion: 105 Resp: 31761

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0



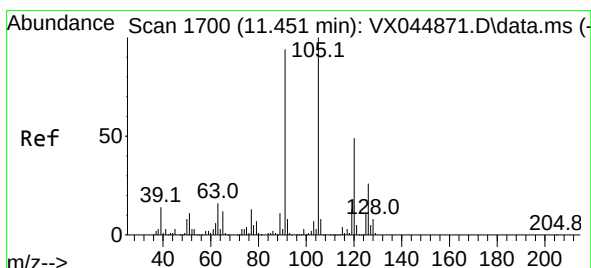
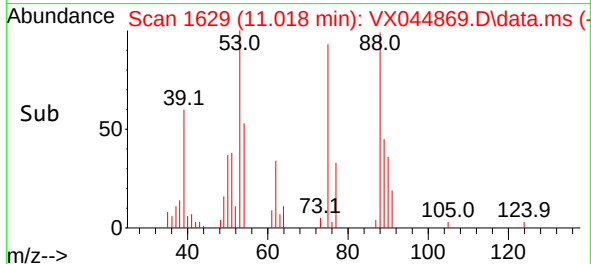
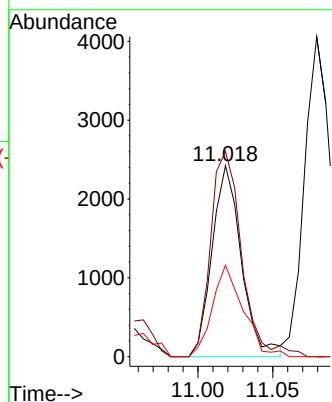
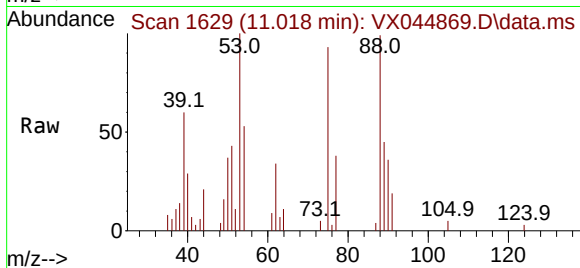


#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.013 ug/l
 RT: 11.018 min Scan# 1629
 Delta R.T. 0.000 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion: 75 Resp: 3303

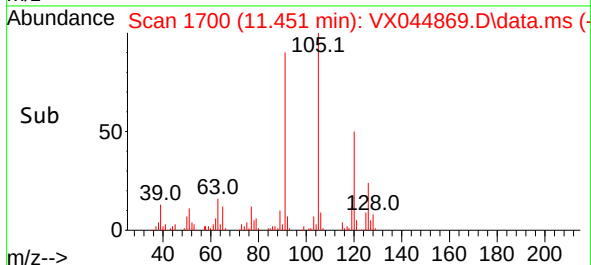
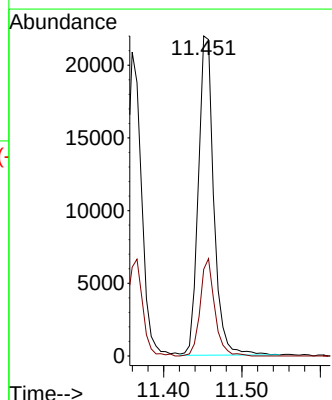
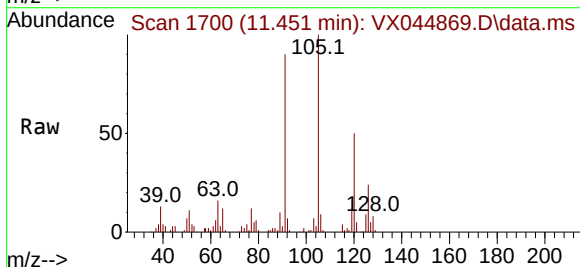
Ion	Ratio	Lower	Upper
75	100		
53	113.7	78.0	117.0
89	50.2	36.6	54.8

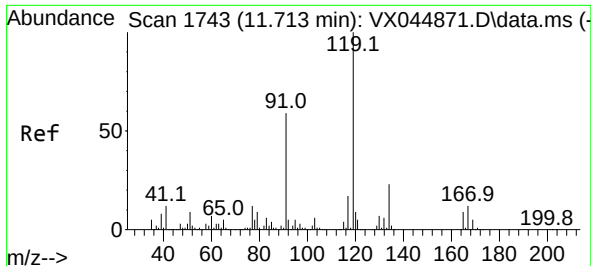


#82
 4-Chlorotoluene
 Concen: 4.994 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 30138

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6

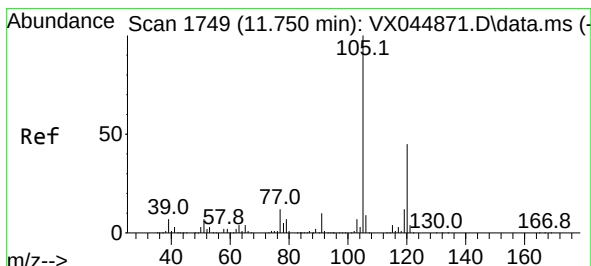
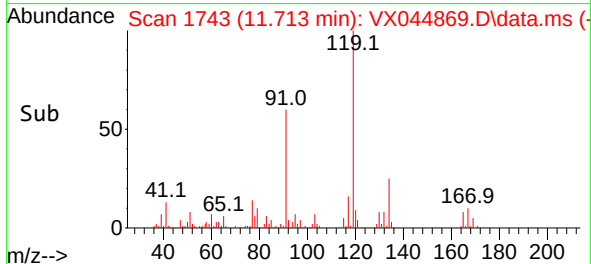
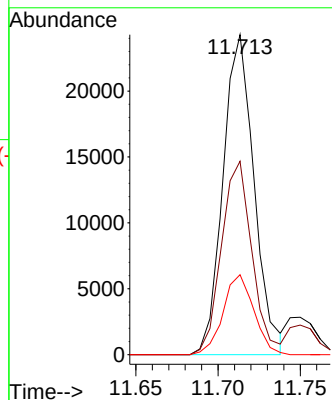
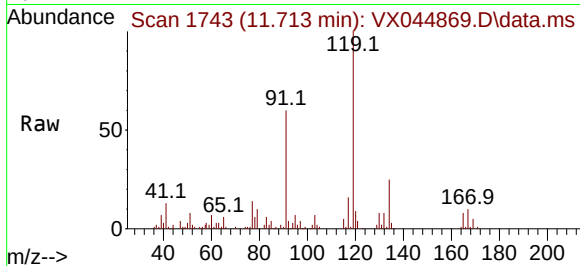




#83
 tert-Butylbenzene
 Concen: 5.068 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. 0.000 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

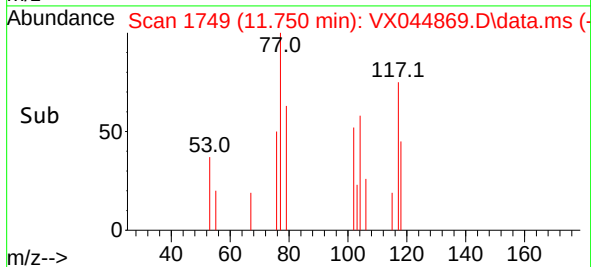
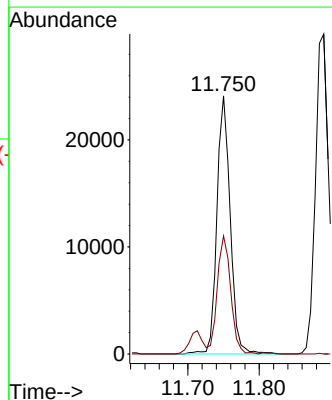
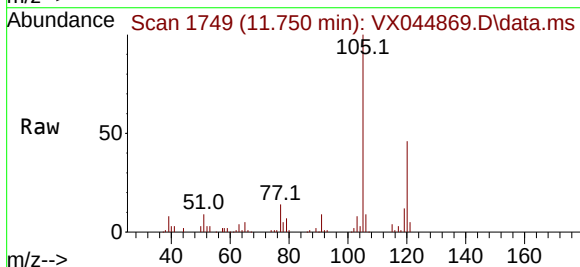
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

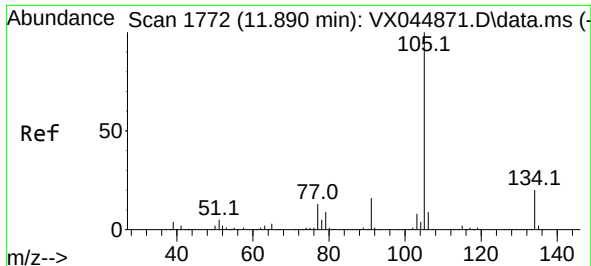
Tgt Ion:119 Resp: 31992
 Ion Ratio Lower Upper
 119 100
 91 59.3 29.1 87.4
 134 24.7 11.5 34.5



#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

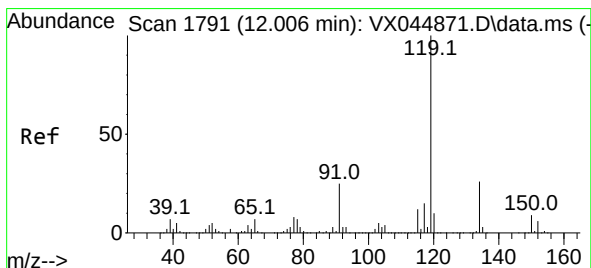
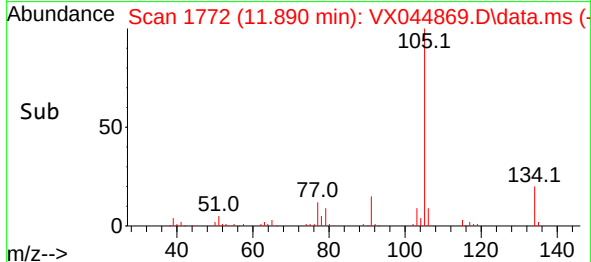
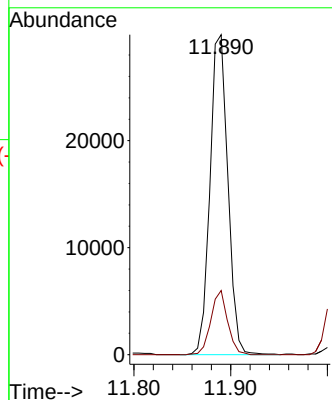
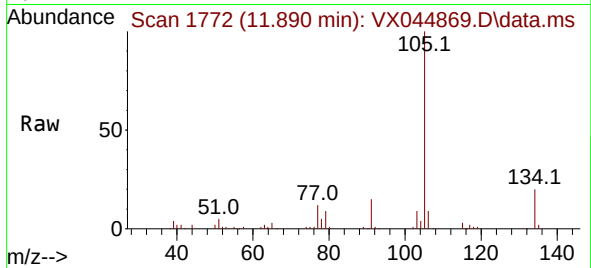




#85
 sec-Butylbenzene
 Concen: 4.917 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

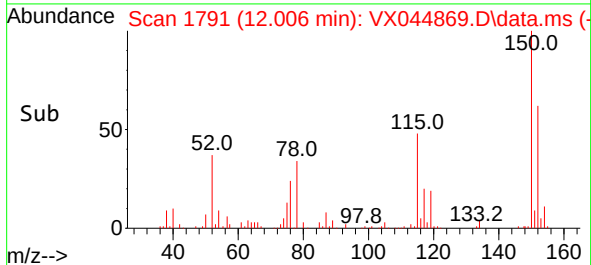
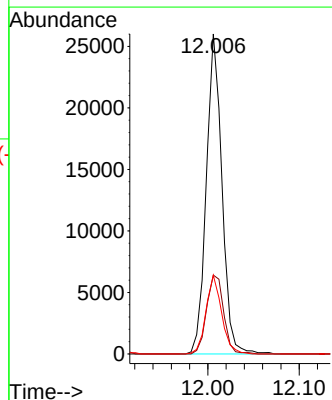
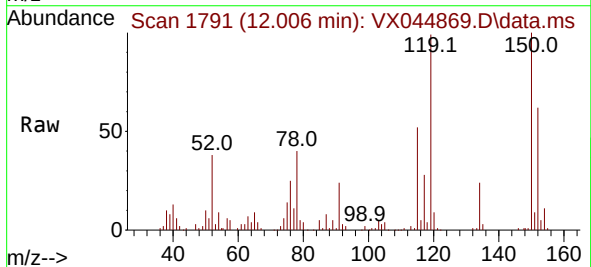
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

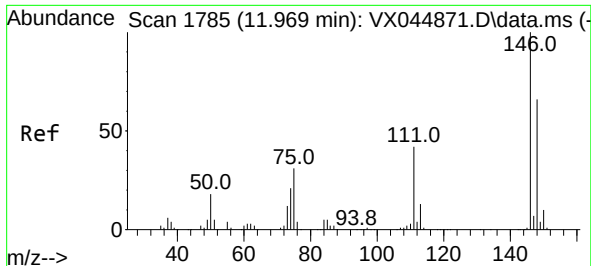
Tgt Ion:105 Resp: 38437
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.8 29.3



#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

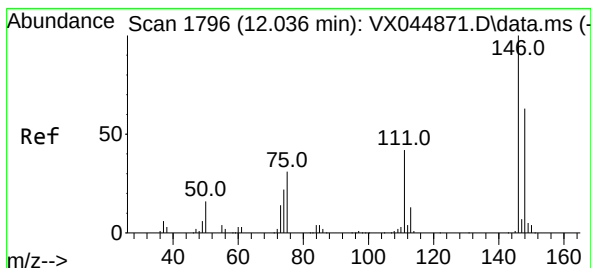
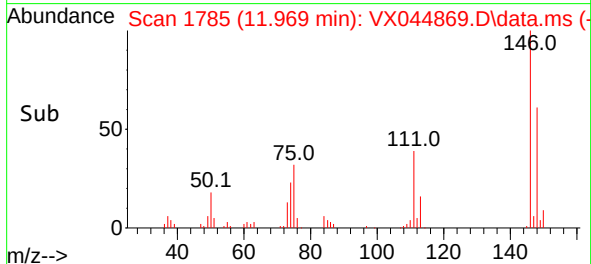
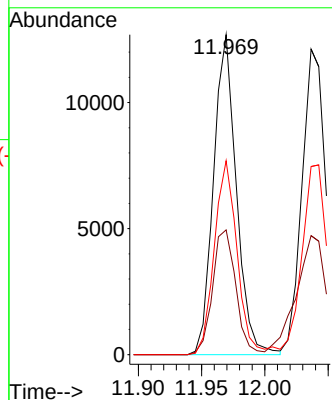
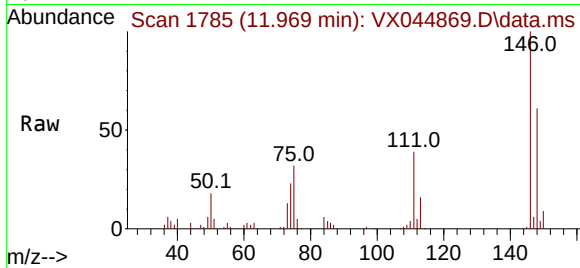




#87
 1,3-Dichlorobenzene
 Concen: 4.971 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. 0.000 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

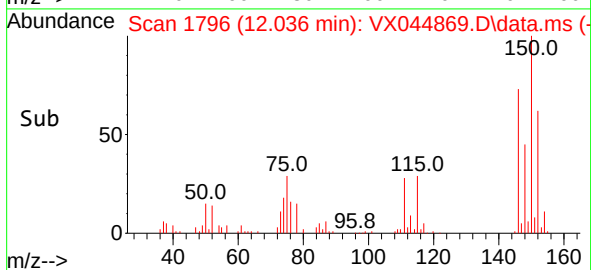
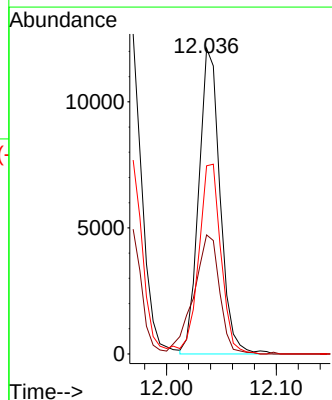
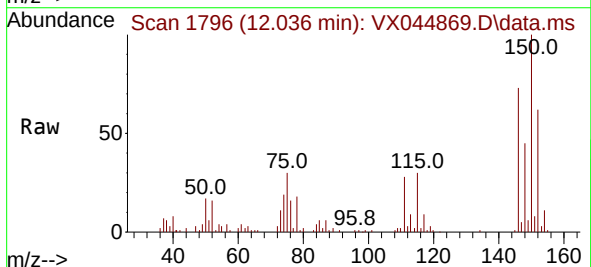
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

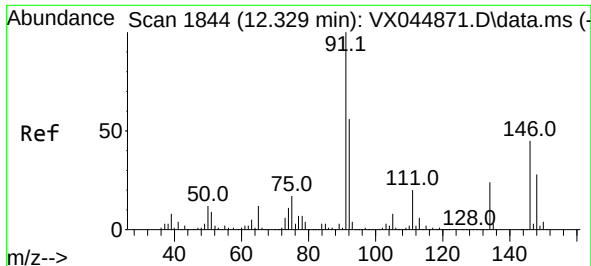
Tgt Ion:146 Resp: 15935
 Ion Ratio Lower Upper
 146 100
 111 39.8 21.2 63.6
 148 60.0 32.5 97.5



#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

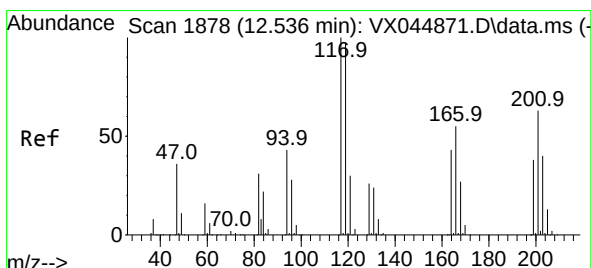
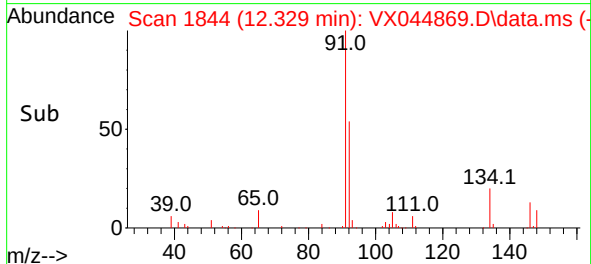
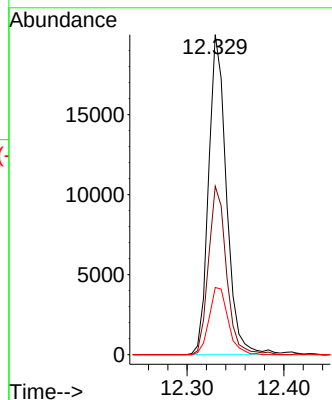
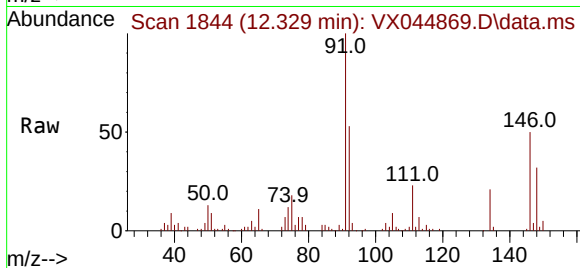
Tgt Ion: 91 Resp: 25747

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

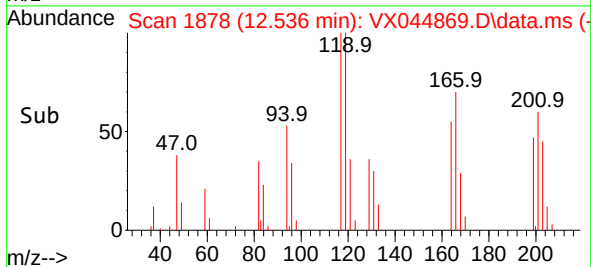
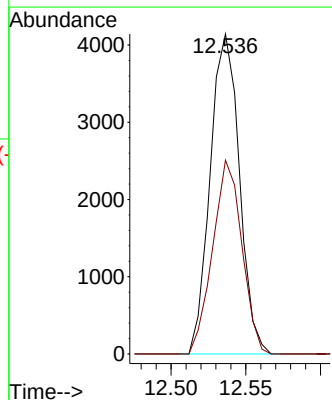
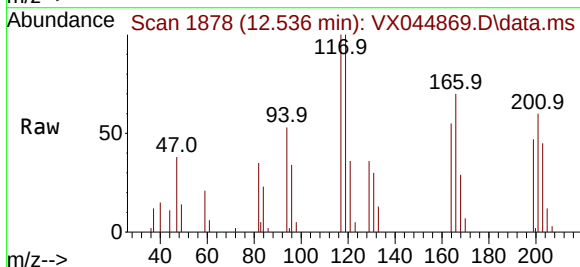
Acq: 10 Feb 2025 10:48

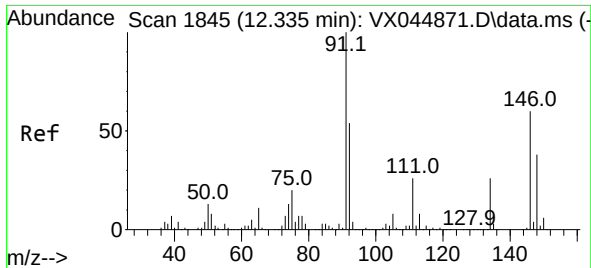
Tgt Ion: 117 Resp: 5620

Ion Ratio Lower Upper

117 100

201 60.6 32.5 97.5

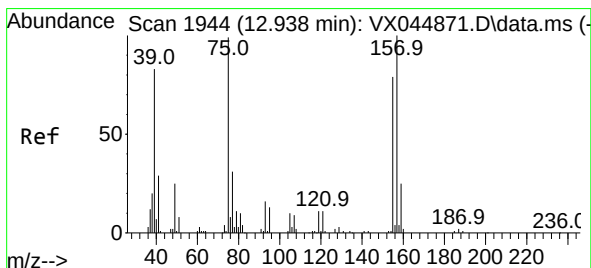
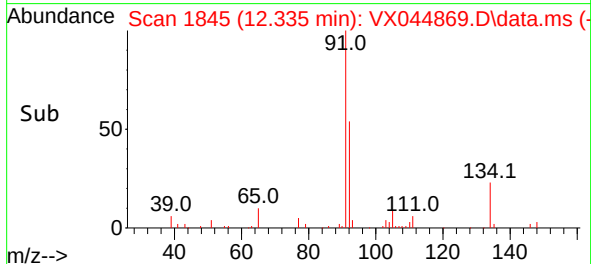
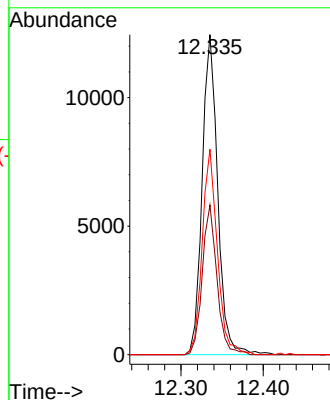
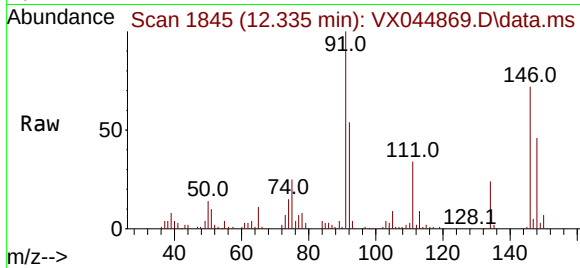




#91
1,2-Dichlorobenzene
Concen: 5.193 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

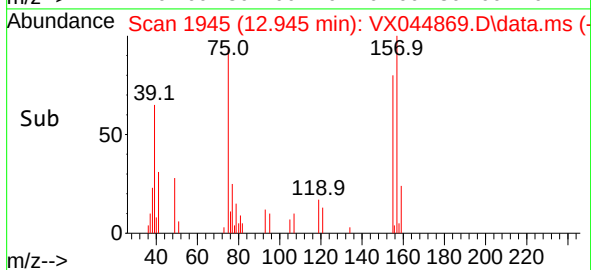
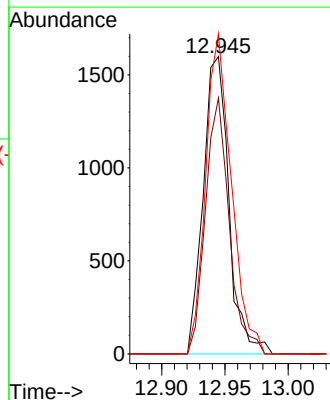
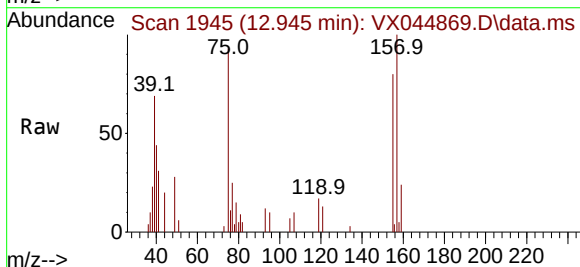
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

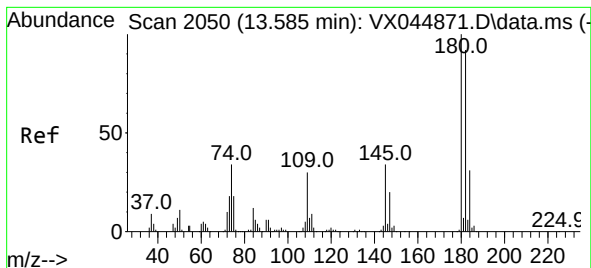
Tgt Ion:146 Resp: 16362
Ion Ratio Lower Upper
146 100
111 44.3 21.8 65.4
148 62.7 31.9 95.9



#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 :

VSTDICC005

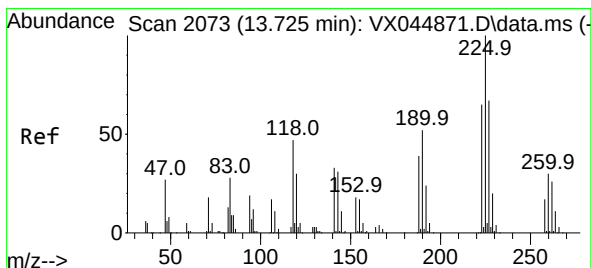
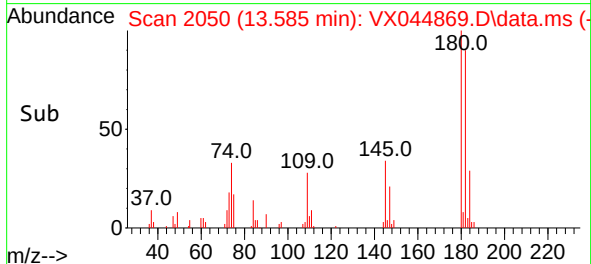
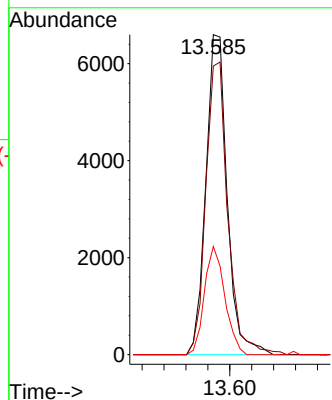
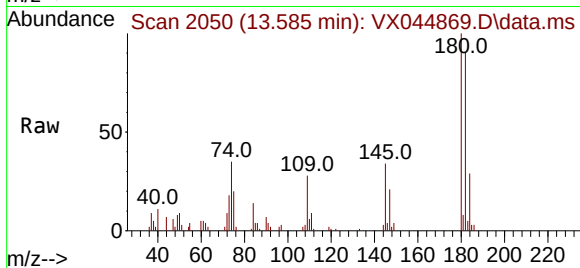
Tgt Ion:180 Resp: 8923

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

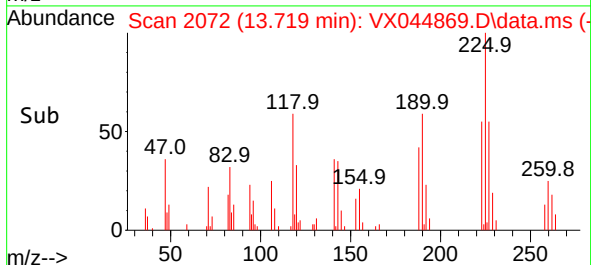
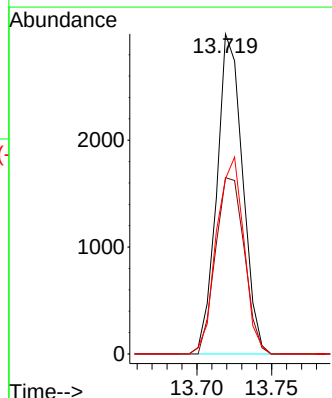
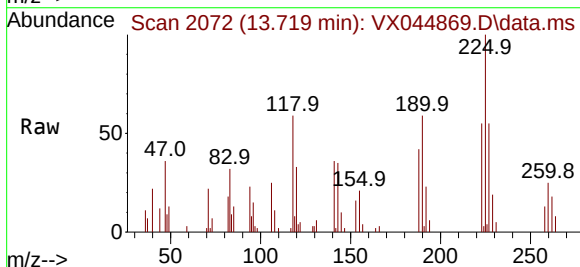
Tgt Ion:225 Resp: 3595

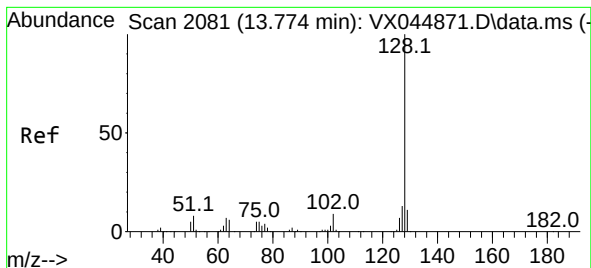
Ion Ratio Lower Upper

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

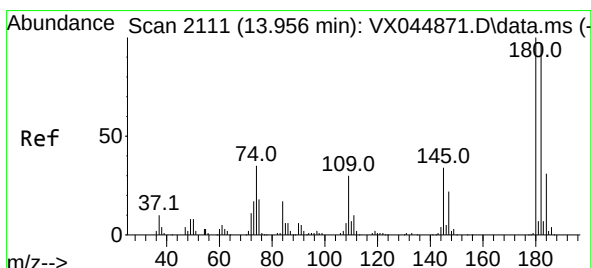
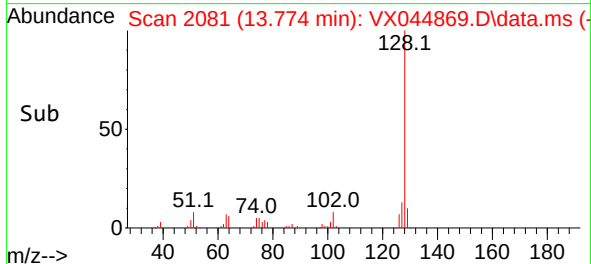
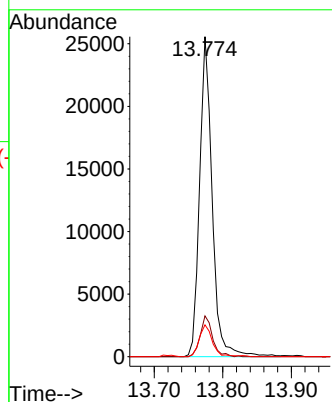
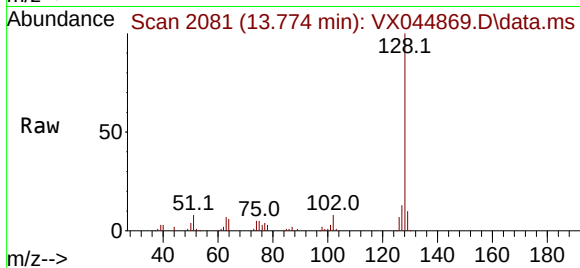
Tgt Ion:128 Resp: 32776

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

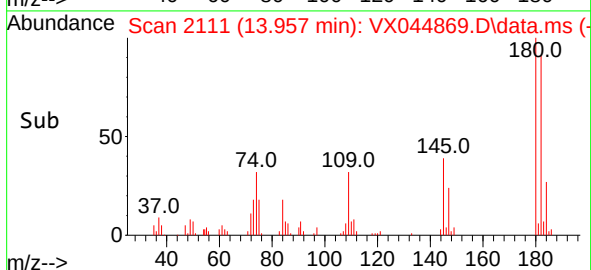
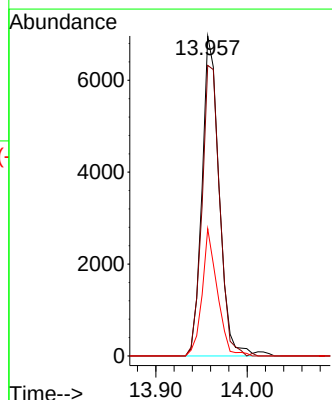
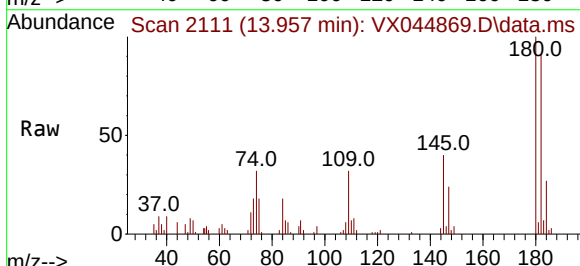
Tgt Ion:180 Resp: 9093

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 : 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)

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 : 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)
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

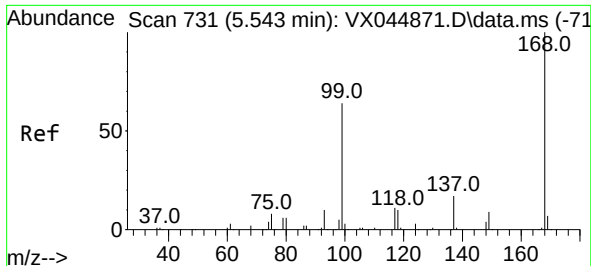
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Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

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

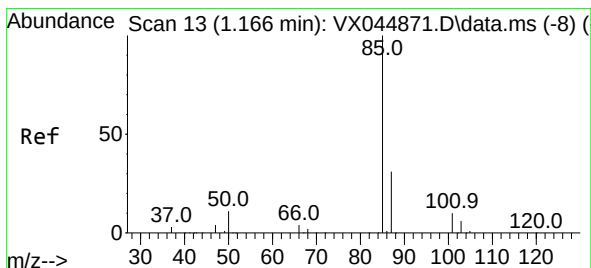
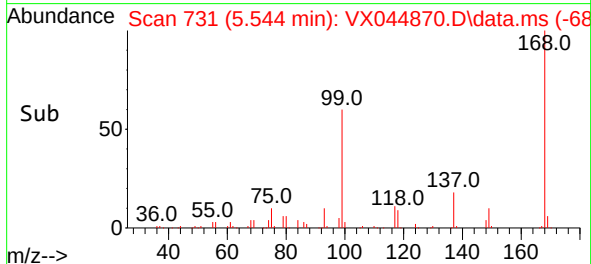
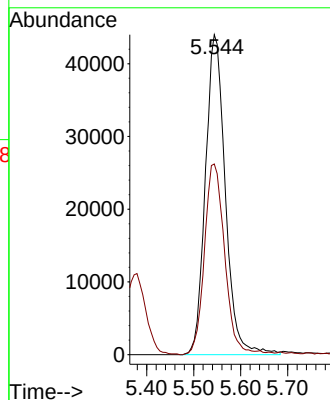
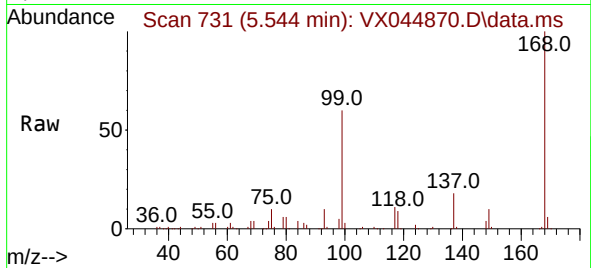




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

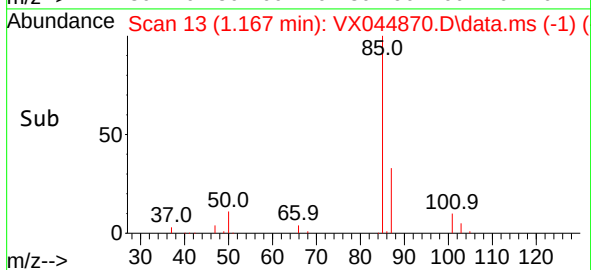
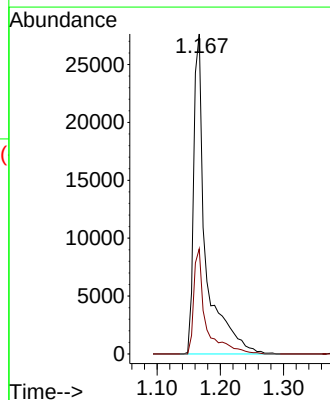
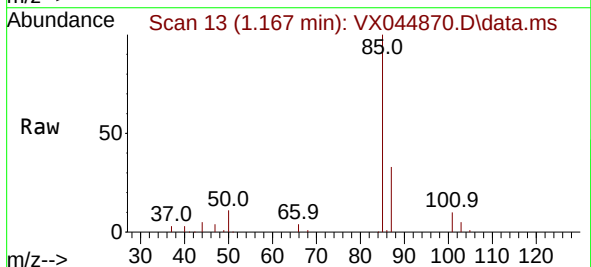
Instrument :
MSVOA_X
ClientSampleId :
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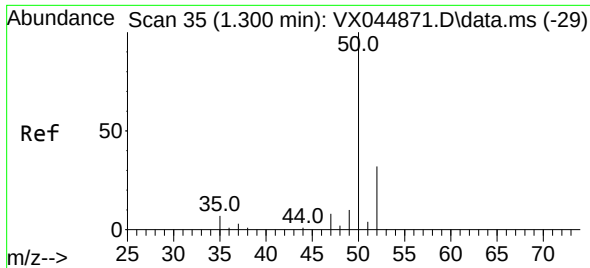
Tgt Ion:168 Resp: 129532
Ion Ratio Lower Upper
168 100
99 59.6 51.2 76.8



#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

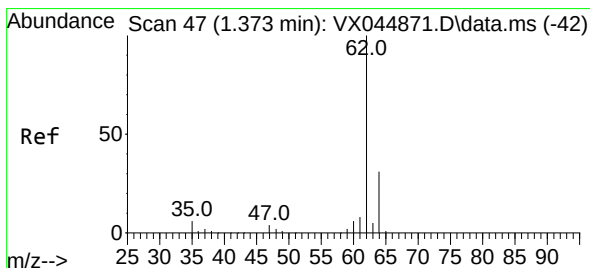
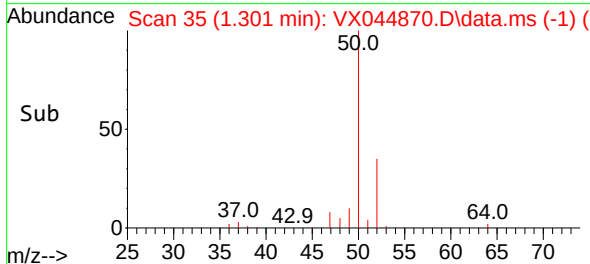
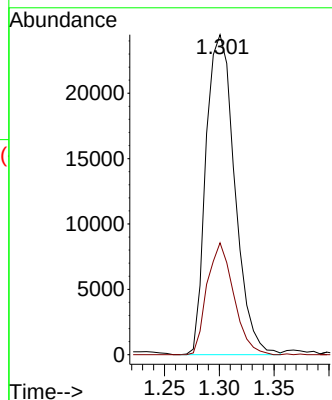
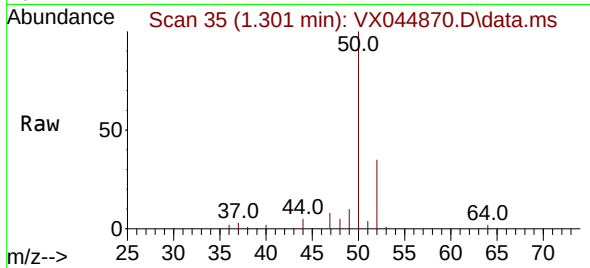




#3
Chloromethane
Concen: 20.200 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

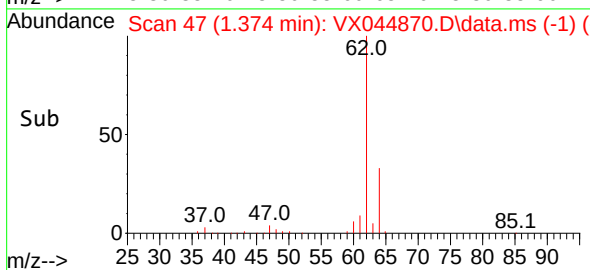
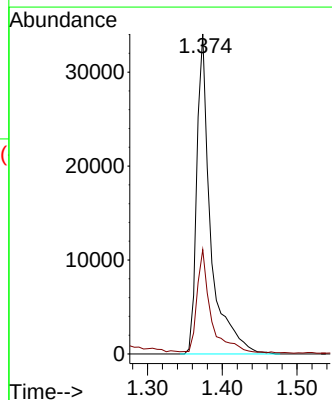
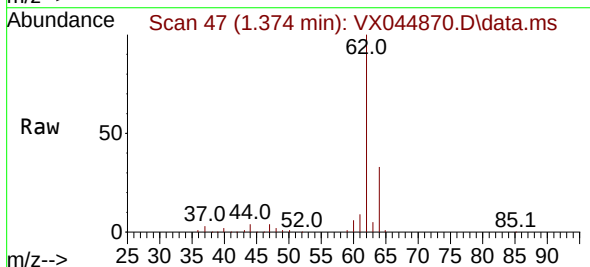
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ClientSampleId :
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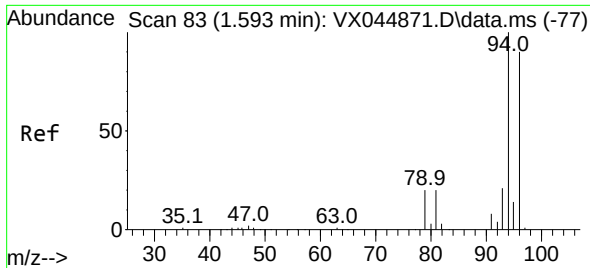
Tgt Ion: 50 Resp: 44666
Ion Ratio Lower Upper
50 100
52 35.0 25.9 38.9



#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

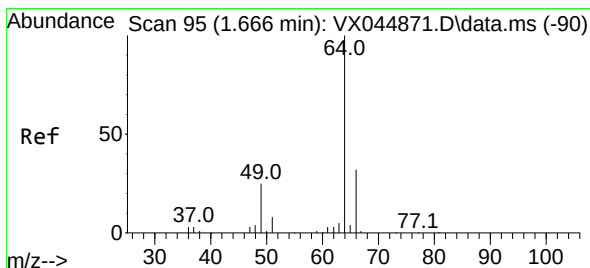
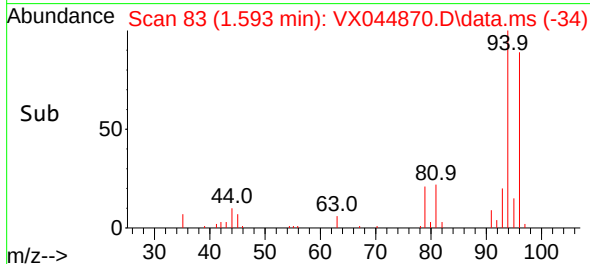
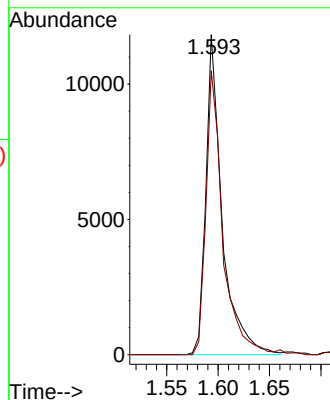
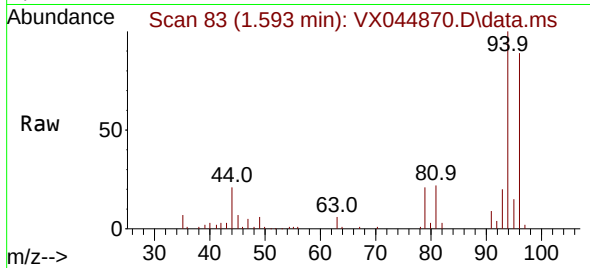




#5
Bromomethane
Concen: 20.369 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

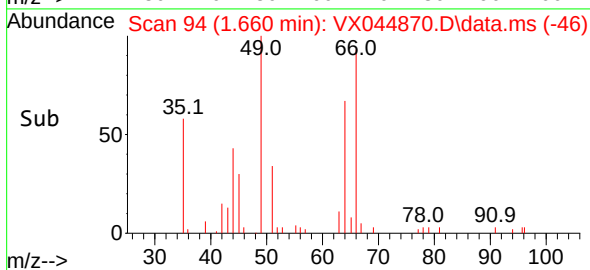
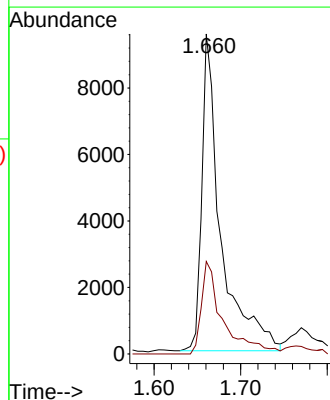
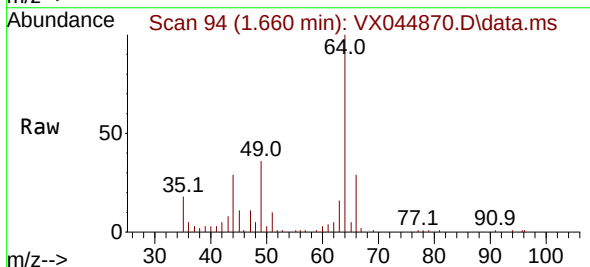
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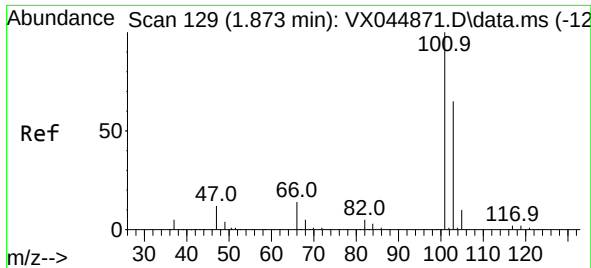
Tgt Ion: 94 Resp: 13057
Ion Ratio Lower Upper
94 100
96 88.8 71.6 107.4



#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

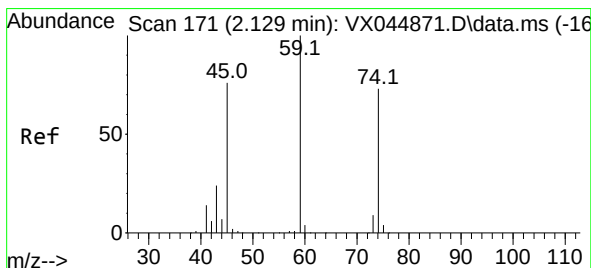
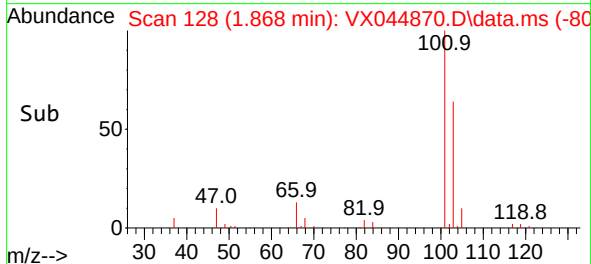
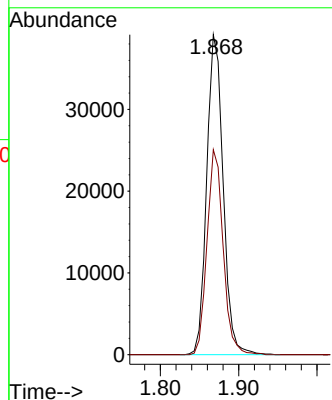
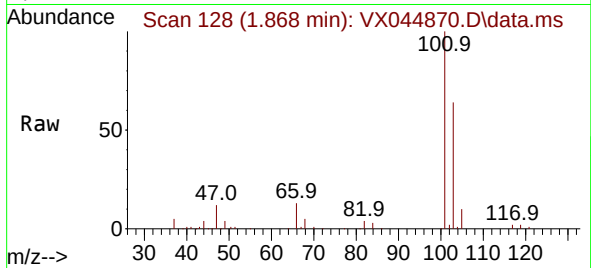




#7
Trichlorofluoromethane
Concen: 20.969 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

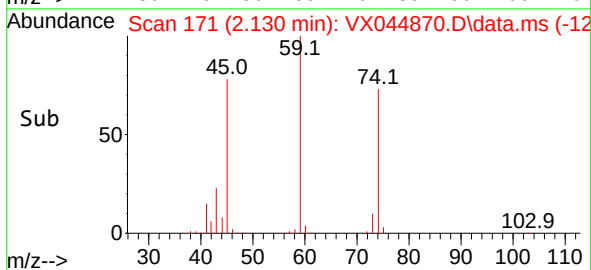
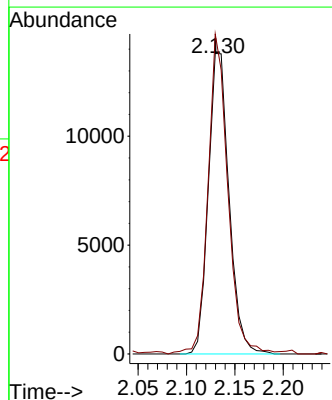
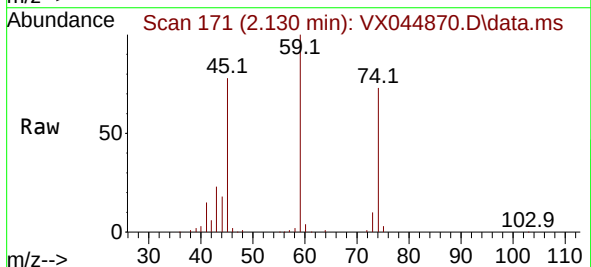
Instrument :
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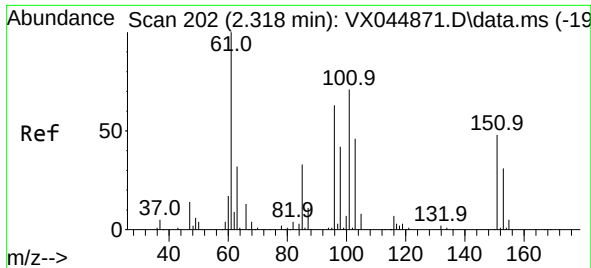
Tgt Ion:101 Resp: 56805
Ion Ratio Lower Upper
101 100
103 64.0 52.4 78.6



#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

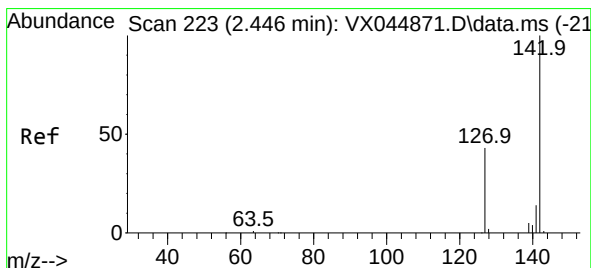
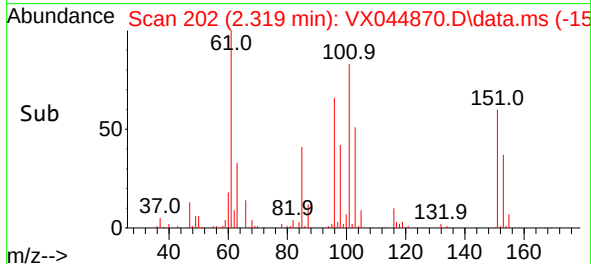
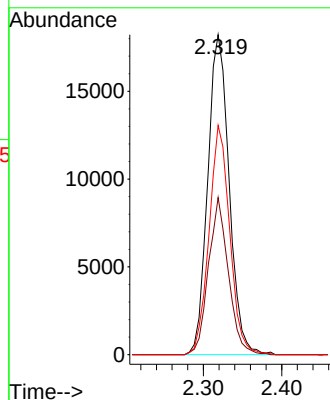
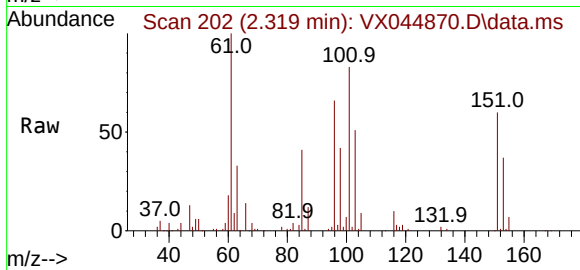




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.135 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

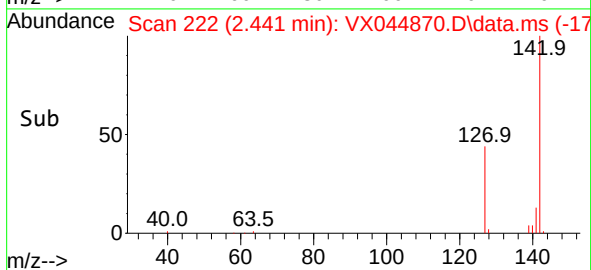
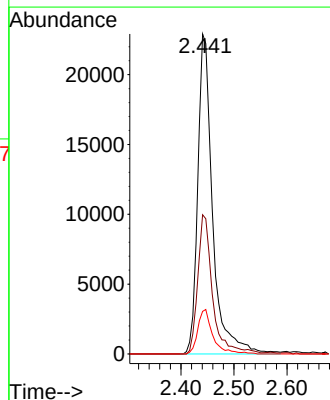
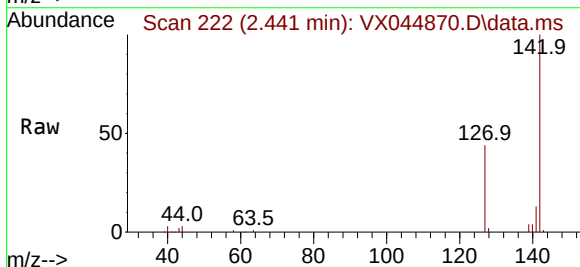
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ClientSampleId :
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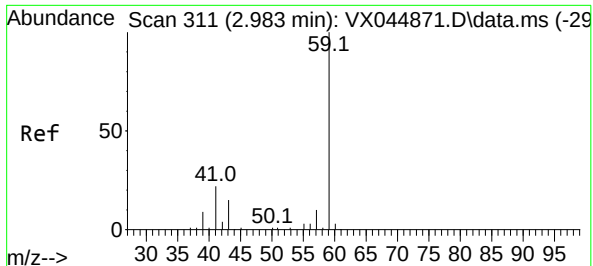
Tgt Ion:101 Resp: 34593
Ion Ratio Lower Upper
101 100
85 45.7 35.7 53.5
151 69.4 56.0 84.0



#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

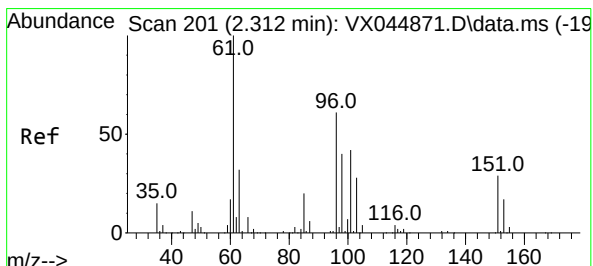
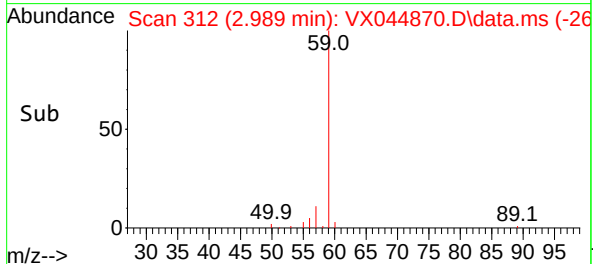
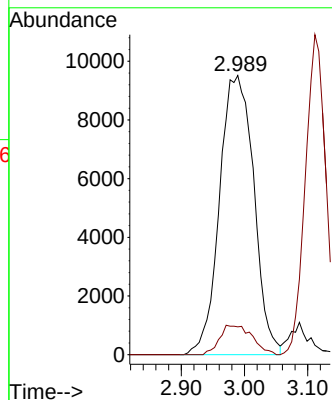
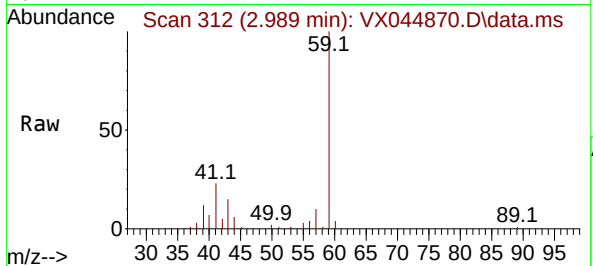




#11
Tert butyl alcohol
Concen: 101.870 ug/l
RT: 2.989 min Scan# 311
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

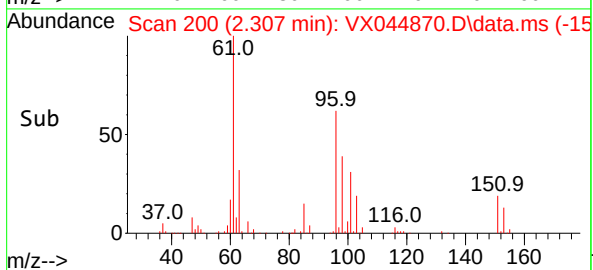
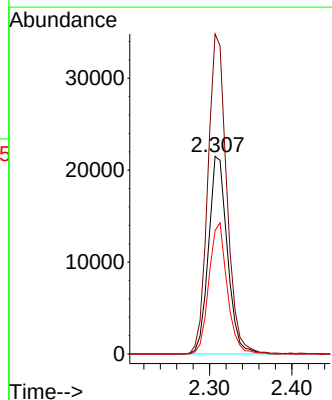
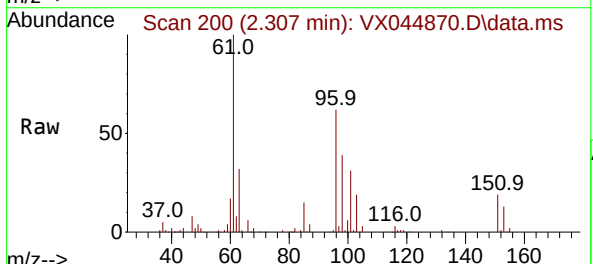
Instrument :
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ClientSampleId :
VSTDICC020

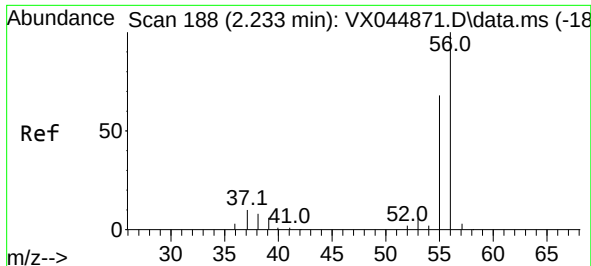
Tgt Ion: 59 Resp: 35834
Ion Ratio Lower Upper
59 100
57 10.0 8.1 12.1



#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 :

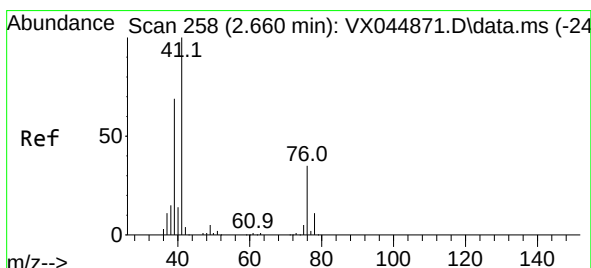
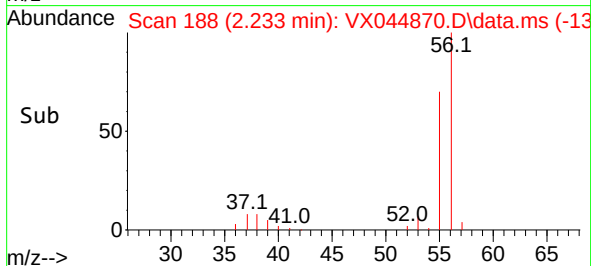
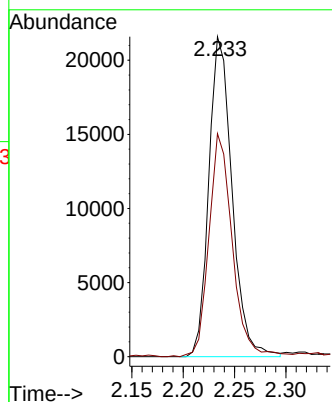
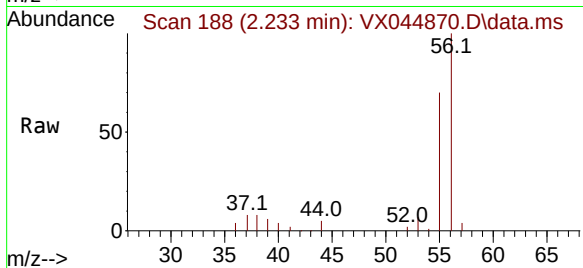
VSTDIC020

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

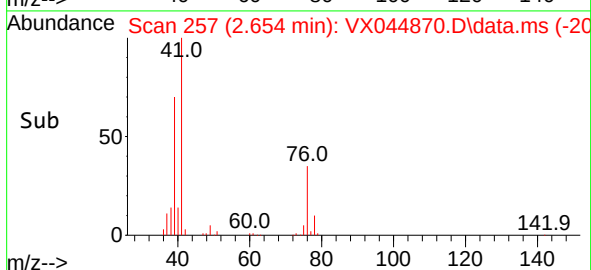
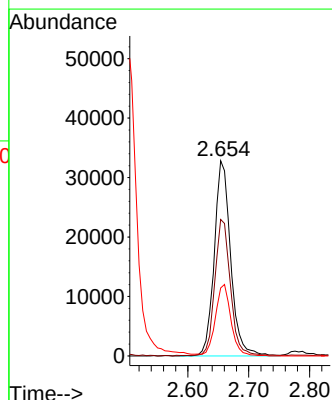
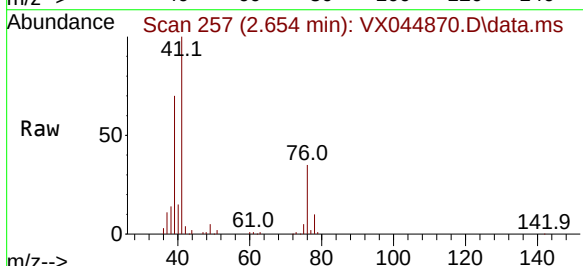
Tgt Ion: 41 Resp: 61485

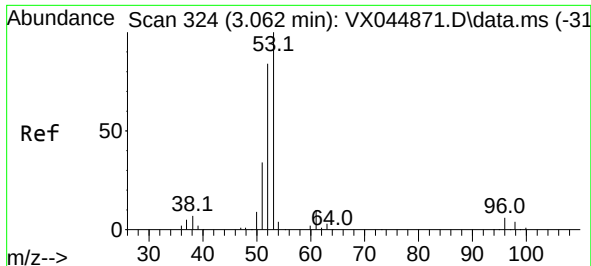
Ion Ratio Lower Upper

41 100

39 65.8 51.4 77.2

76 34.9 27.0 40.4

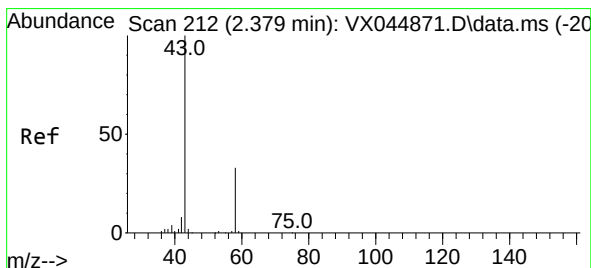
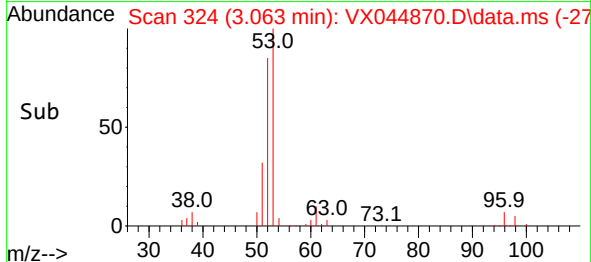
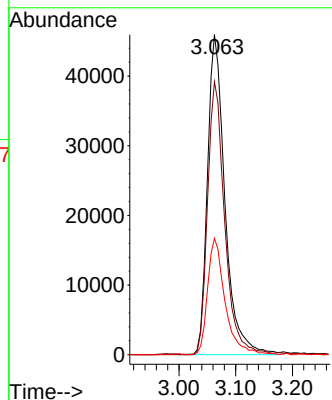
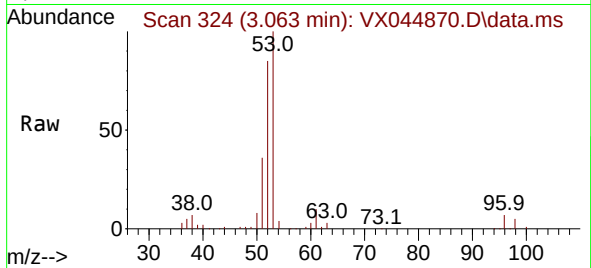




#15
Acrylonitrile
Concen: 104.896 ug/l
RT: 3.063 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

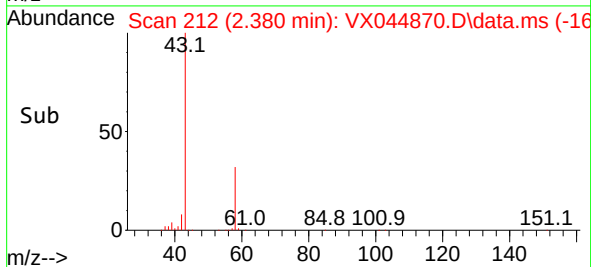
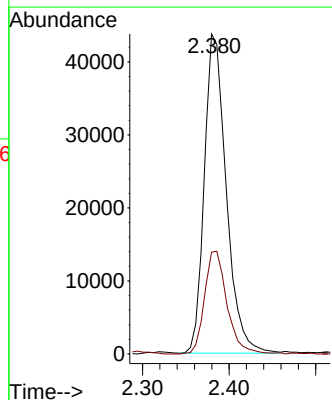
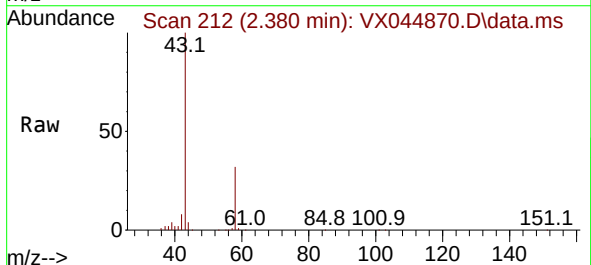
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

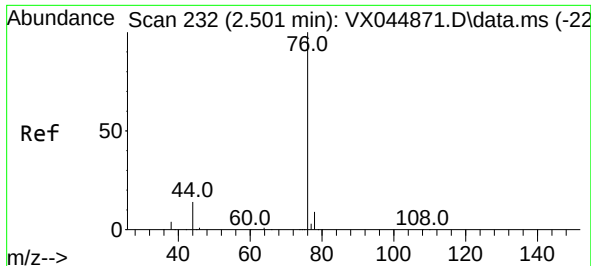
Tgt Ion:	53	Resp:	98518
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.0	97.6
51	36.3	28.0	42.0



#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

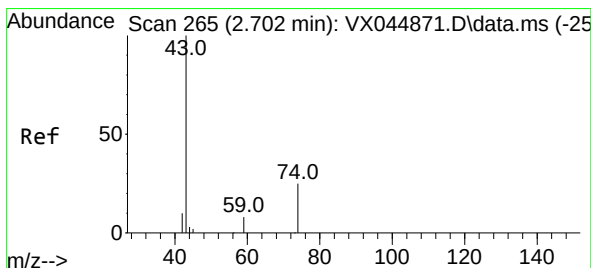
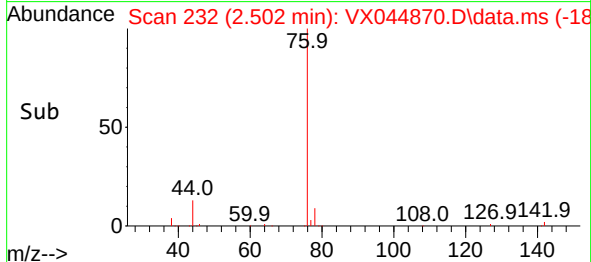
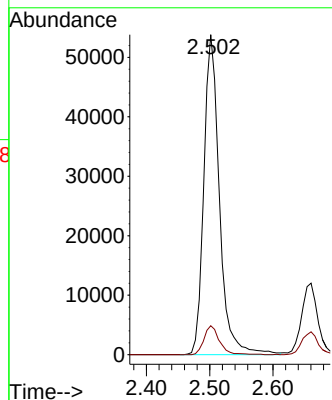
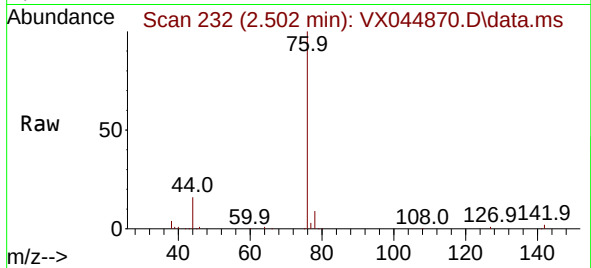




#17
Carbon Disulfide
Concen: 20.216 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

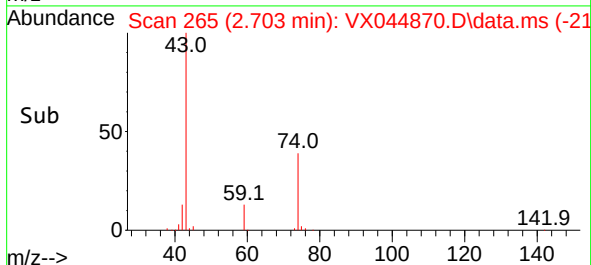
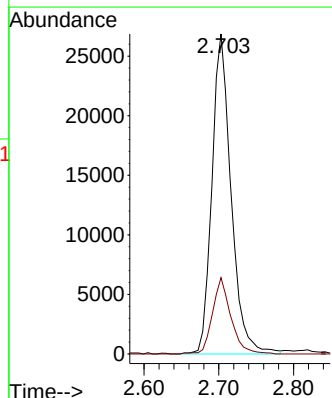
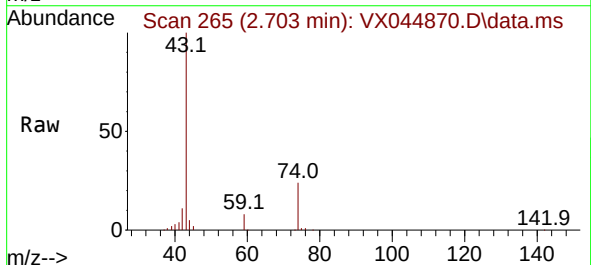
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

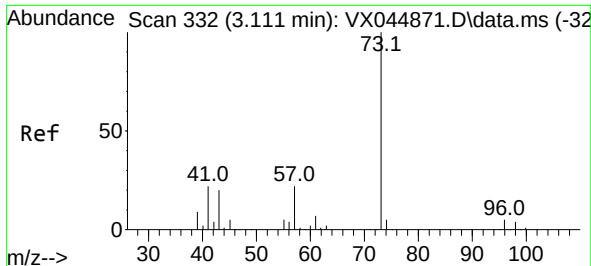
Tgt Ion: 76 Resp: 92552
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#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

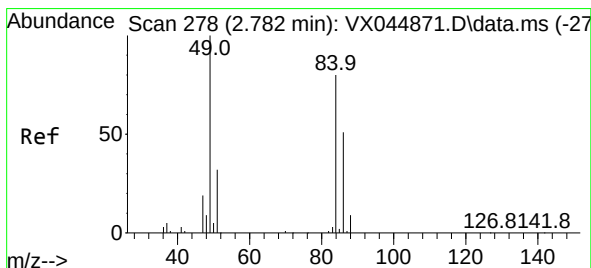
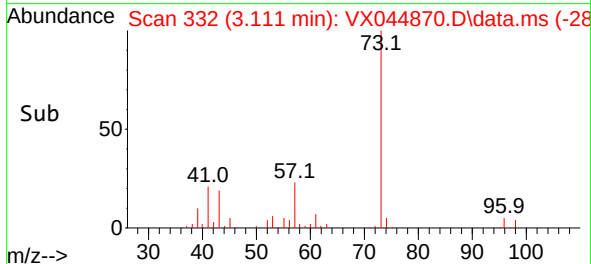
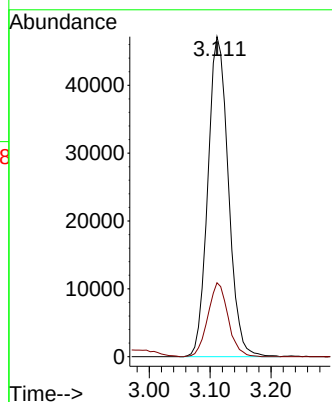
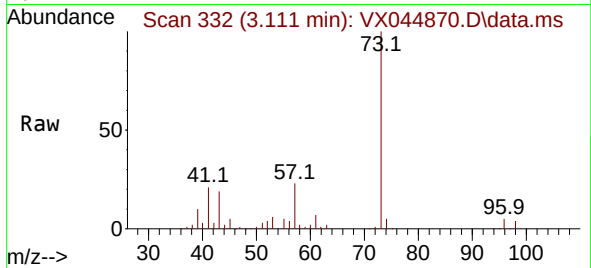




#19
Methyl tert-butyl Ether
Concen: 20.779 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

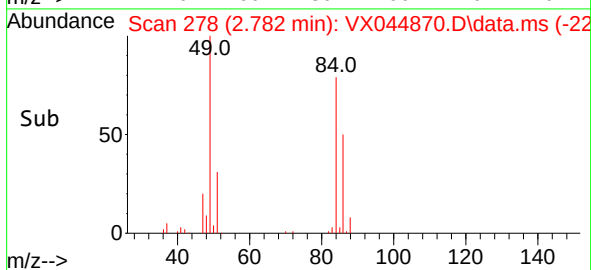
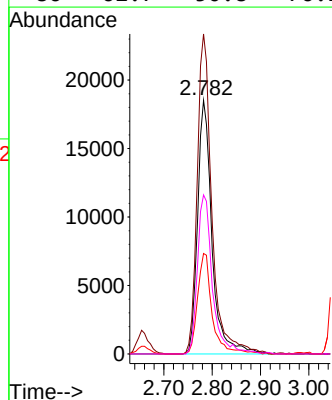
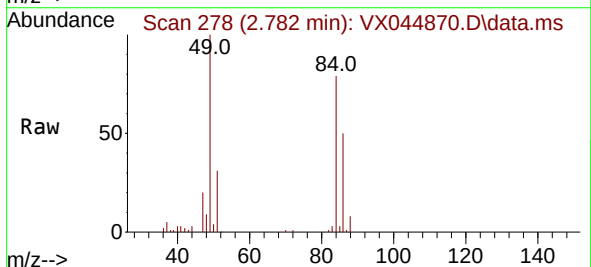
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

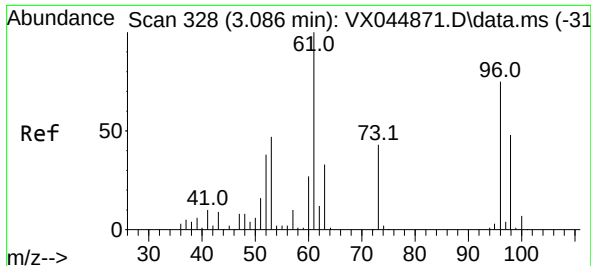
Tgt Ion: 73 Resp: 110377
Ion Ratio Lower Upper
73 100
57 23.1 17.9 26.9



#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

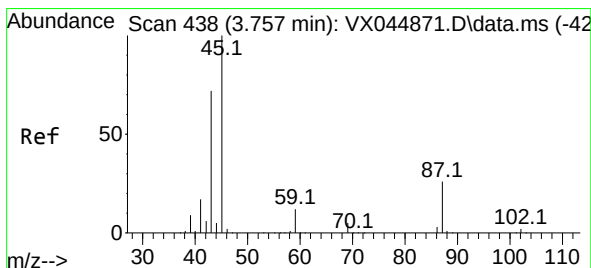
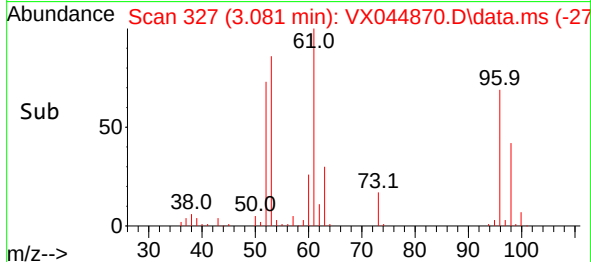
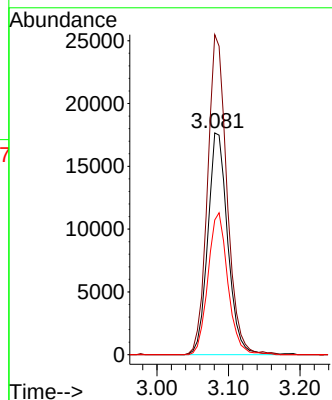
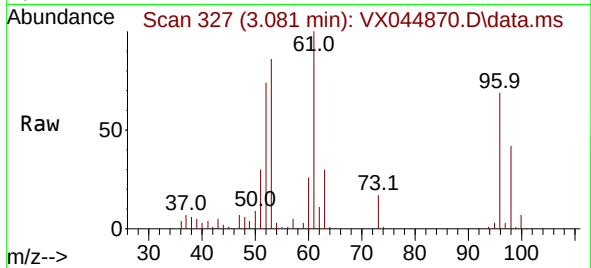




#21
trans-1,2-Dichloroethene
Concen: 20.730 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

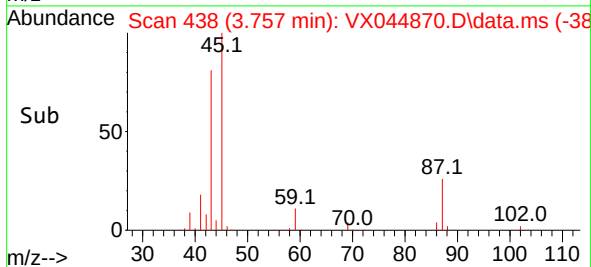
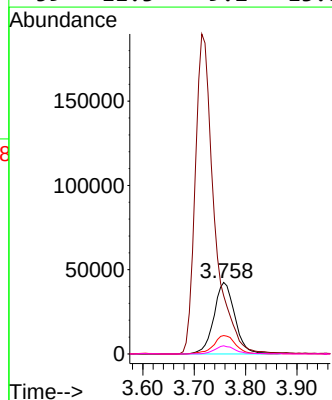
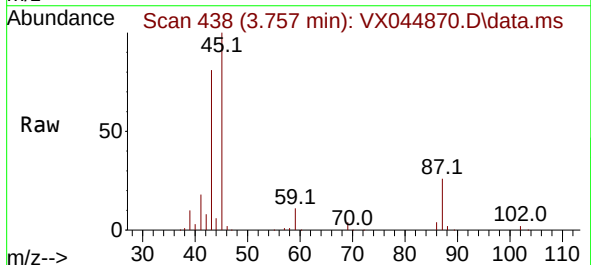
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

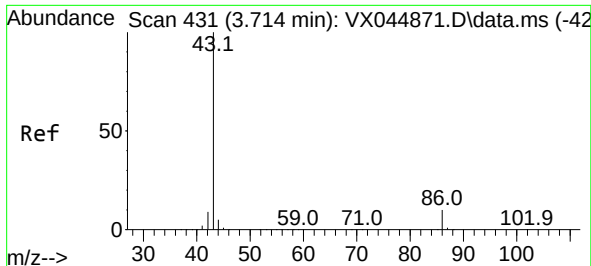
Tgt Ion: 96 Resp: 34064
Ion Ratio Lower Upper
96 100
61 144.3 106.0 159.0
98 60.8 50.6 76.0



#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

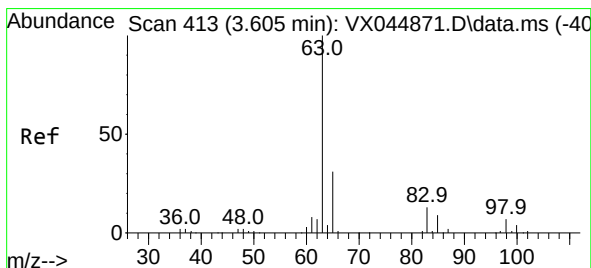
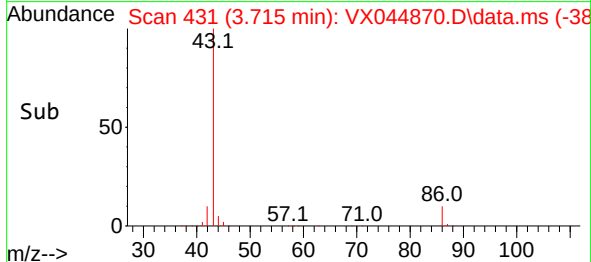
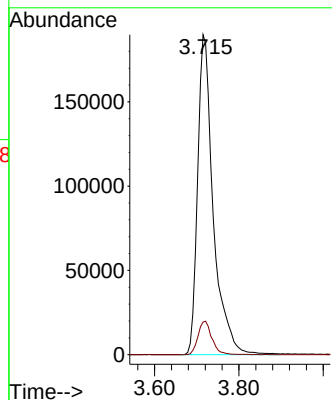
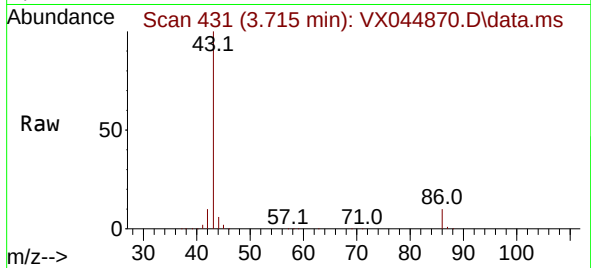




#23
 Vinyl Acetate
 Concen: 105.341 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

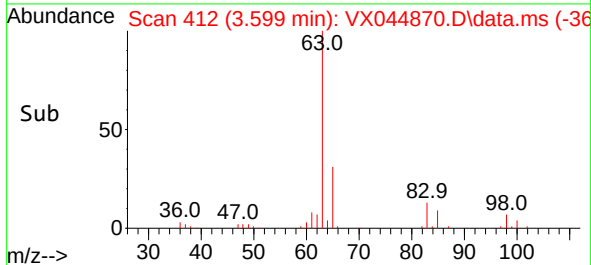
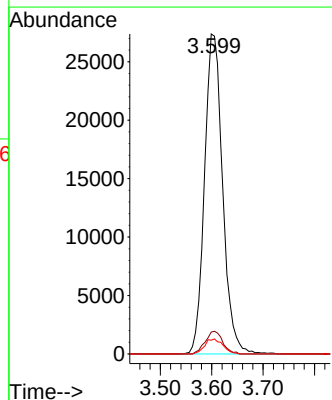
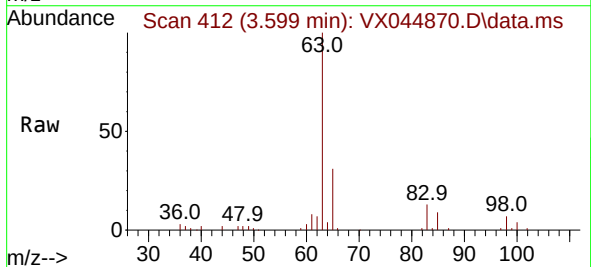
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

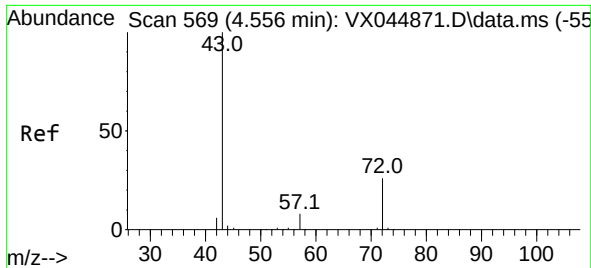
Tgt Ion: 43 Resp: 490239
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.3 12.5



#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

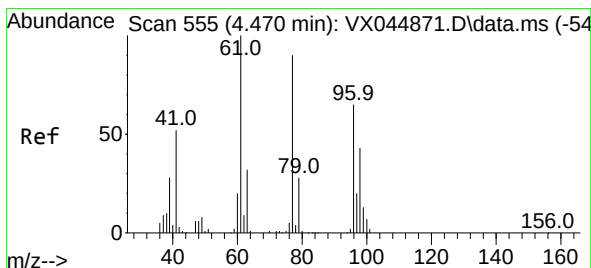
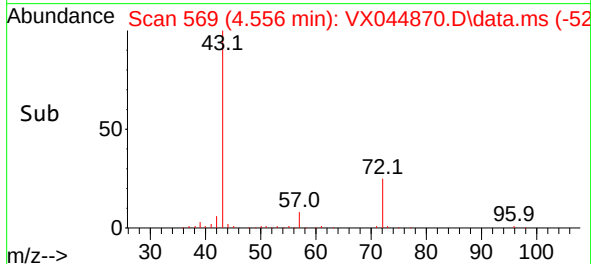
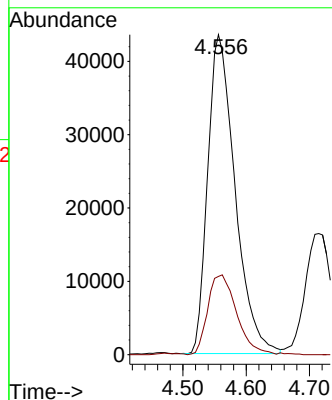
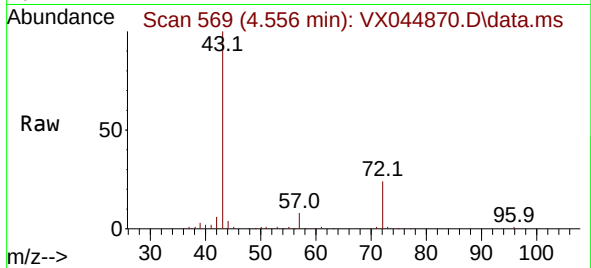




#25
2-Butanone
Concen: 105.417 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

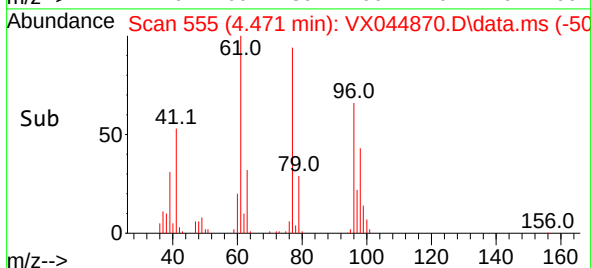
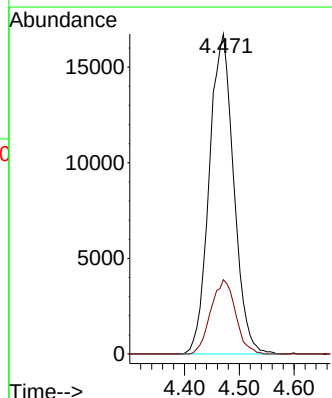
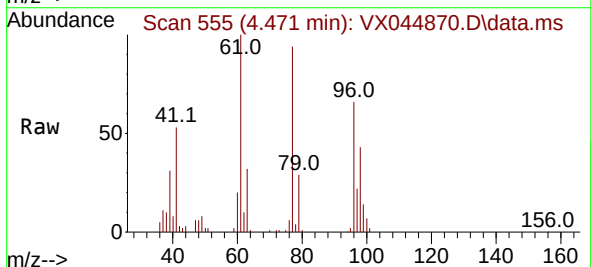
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

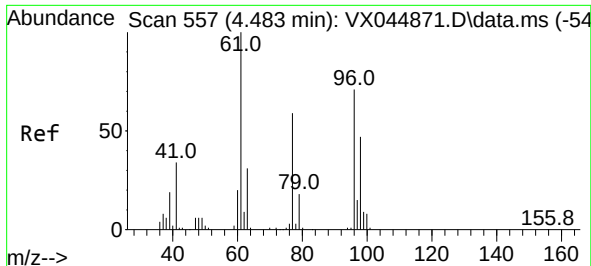
Tgt Ion: 43 Resp: 130481
Ion Ratio Lower Upper
43 100
72 24.2 21.2 31.8



#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

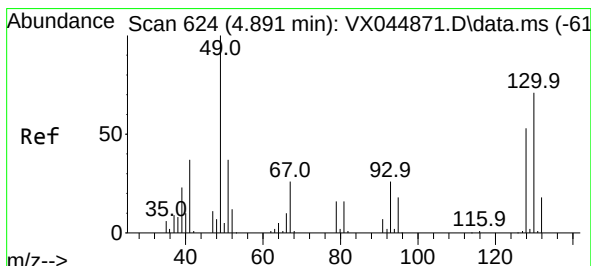
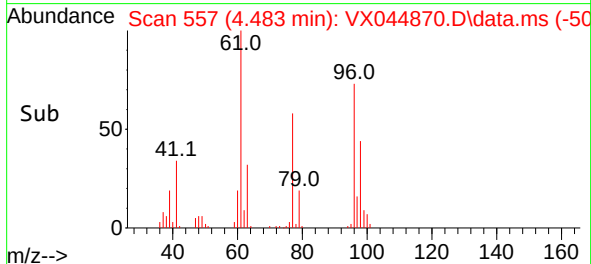
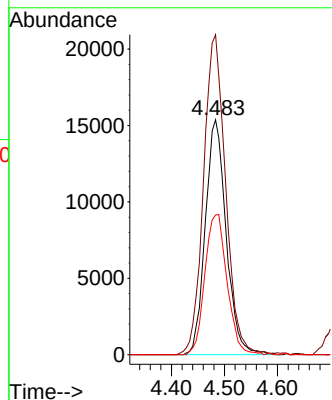
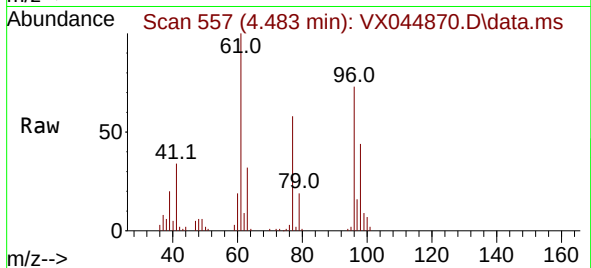
Tgt Ion: 96 Resp: 42096

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

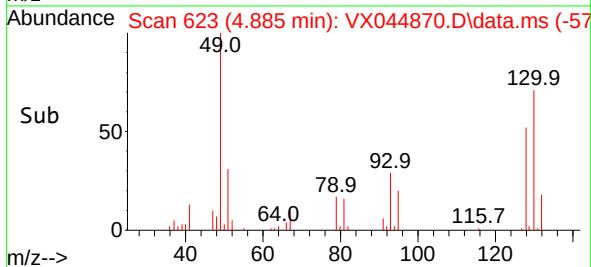
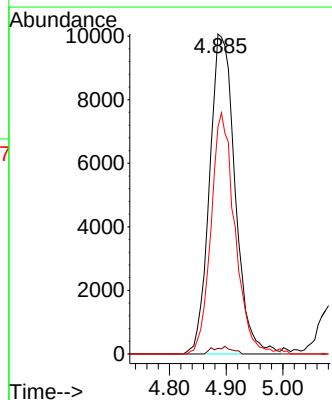
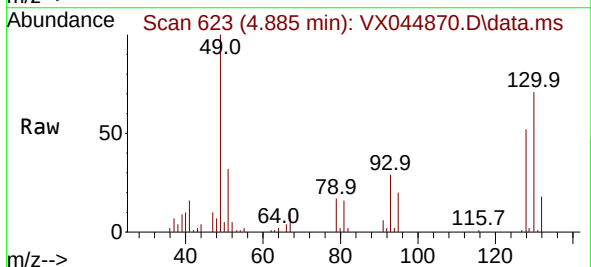
Tgt Ion: 49 Resp: 31474

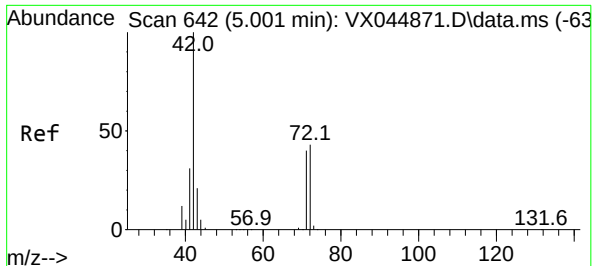
Ion Ratio Lower Upper

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

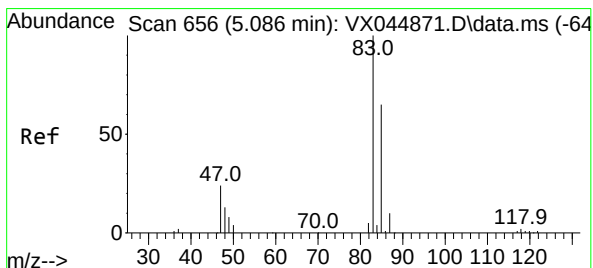
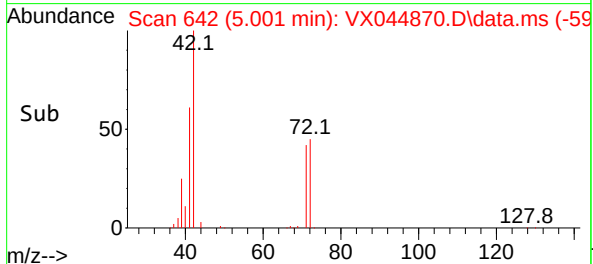
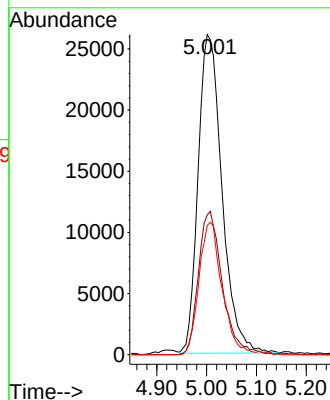
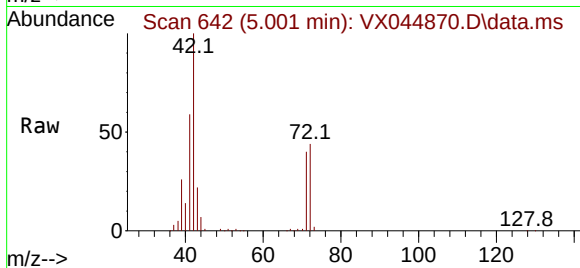
Tgt Ion: 42 Resp: 86875

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

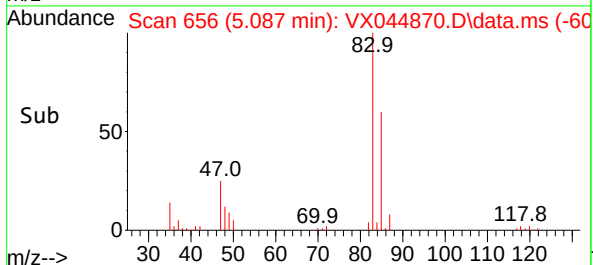
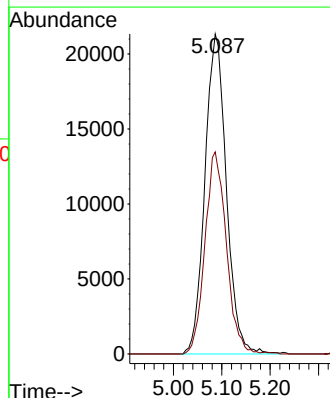
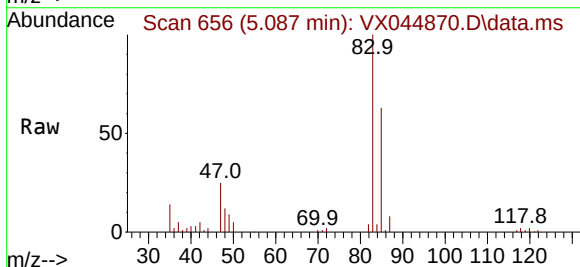
Acq: 10 Feb 2025 11:11

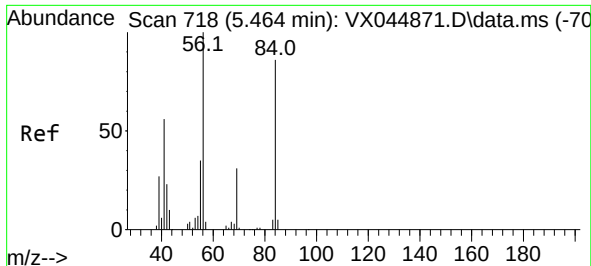
Tgt Ion: 83 Resp: 65721

Ion Ratio Lower Upper

83 100

85 63.2 52.1 78.1

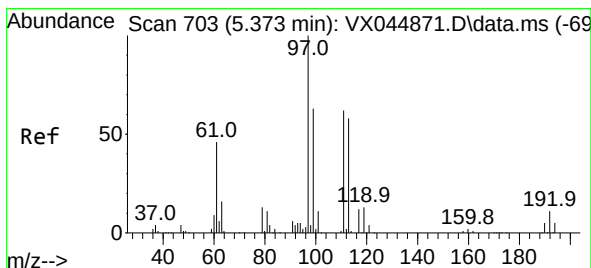
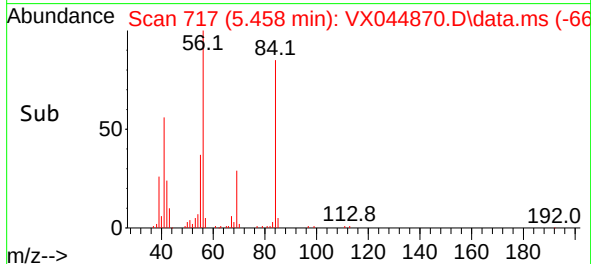
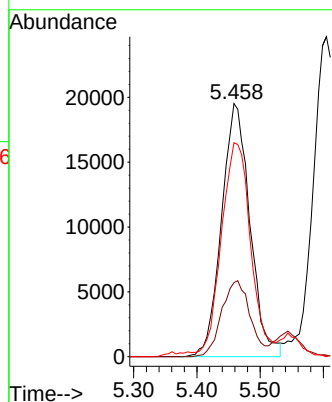
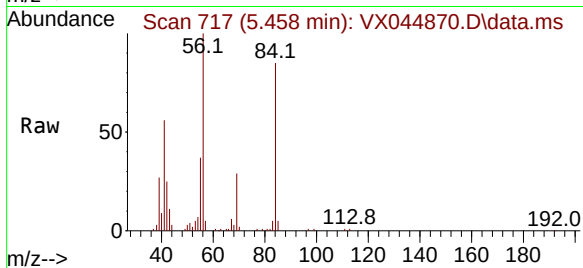




#31
Cyclohexane
Concen: 20.653 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

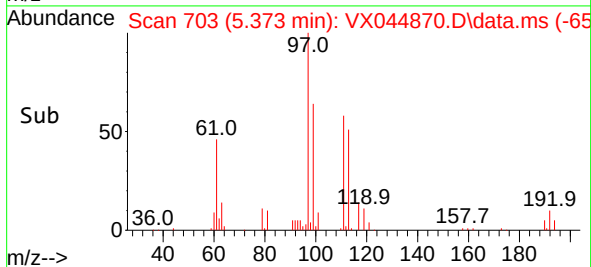
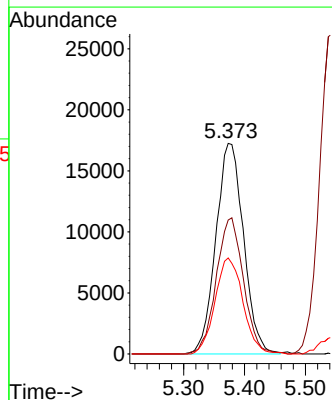
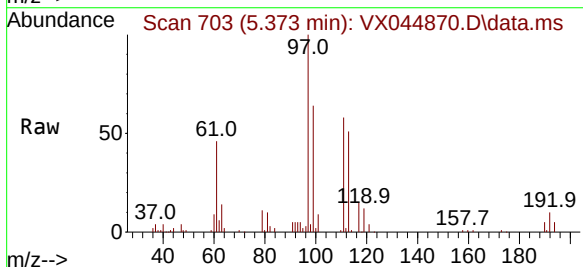
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

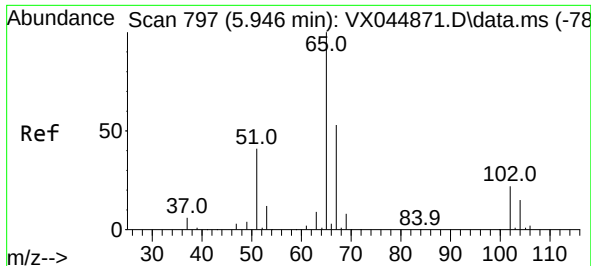
Tgt Ion: 56 Resp: 60814
Ion Ratio Lower Upper
56 100
69 29.2 24.4 36.6
84 83.1 69.0 103.6



#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# 797

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

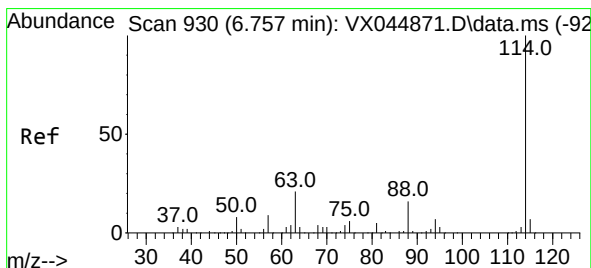
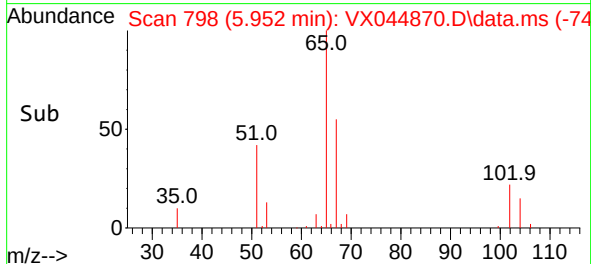
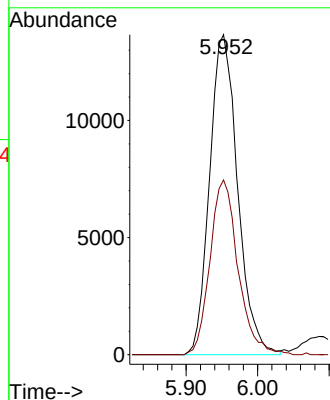
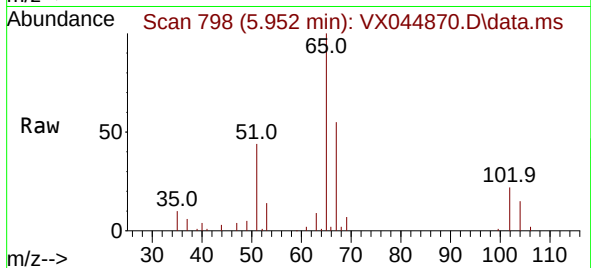
VSTDIC020

Tgt Ion: 65 Resp: 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

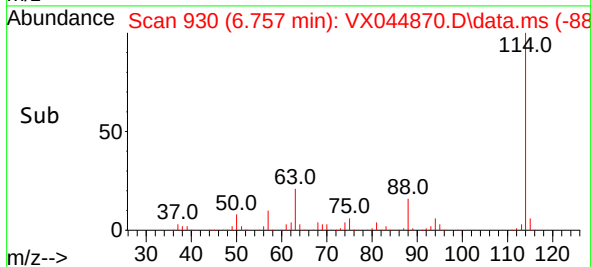
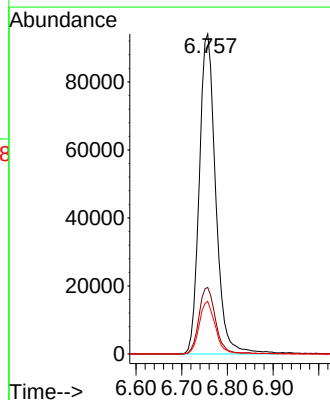
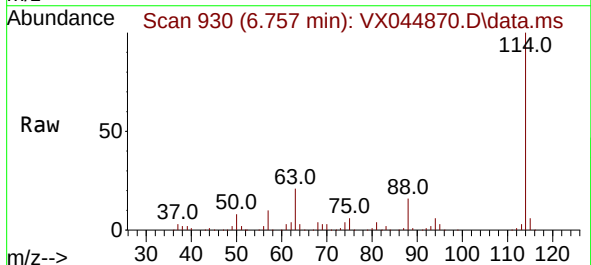
Tgt Ion: 114 Resp: 234445

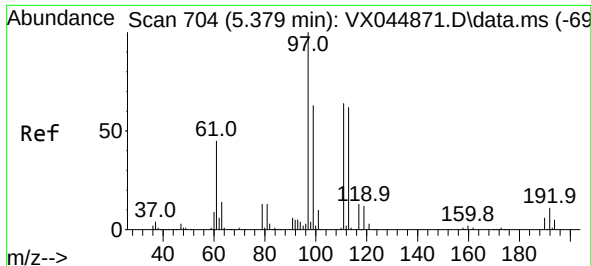
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

88 16.4 0.0 31.4

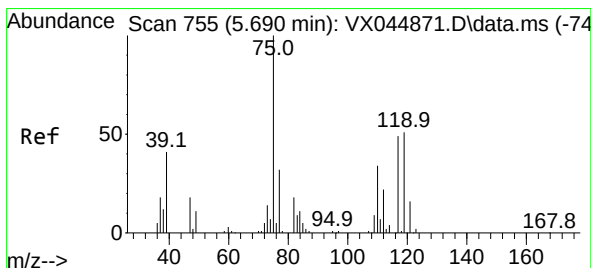
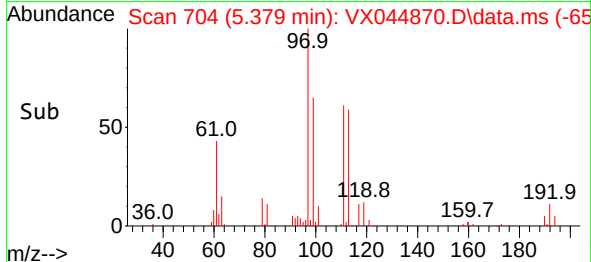
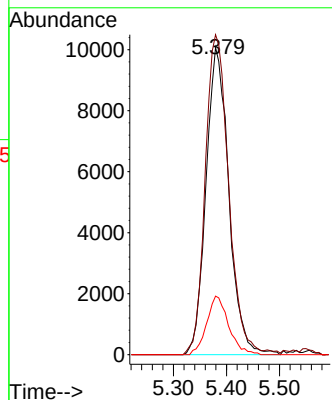
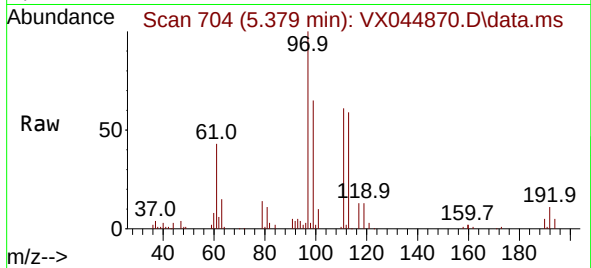




#35
Dibromofluoromethane
Concen: 19.793 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

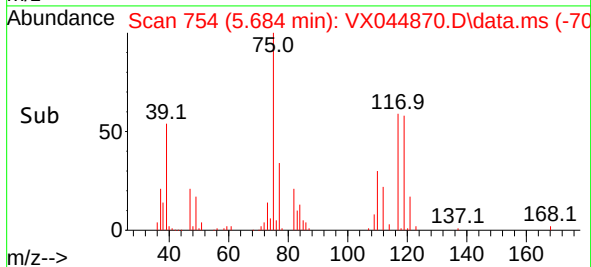
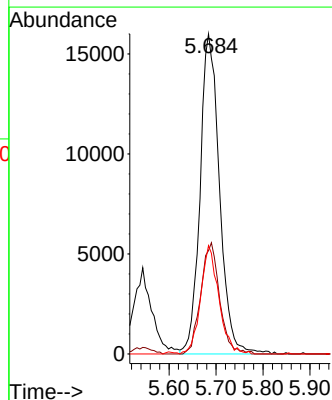
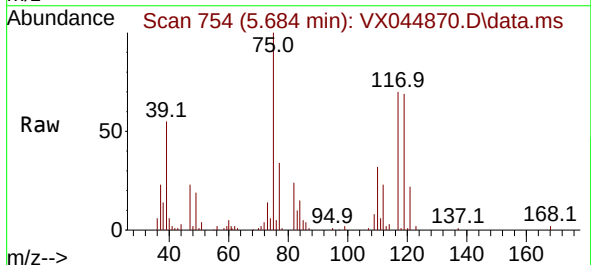
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

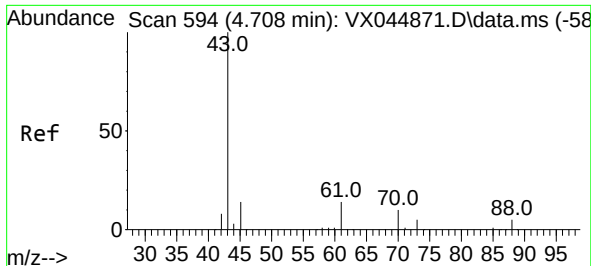
Tgt Ion:113 Resp: 30170
Ion Ratio Lower Upper
113 100
111 106.3 83.5 125.3
192 18.3 14.4 21.6



#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# 594

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

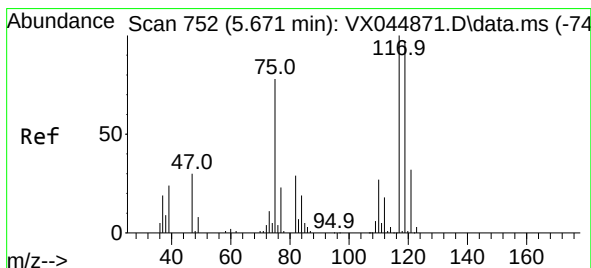
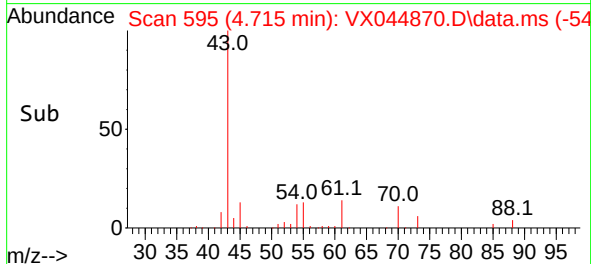
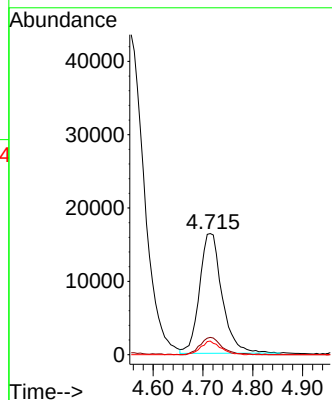
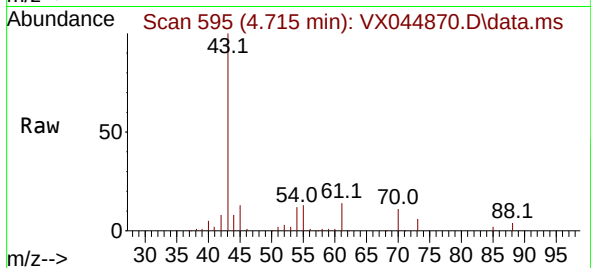
Tgt Ion: 43 Resp: 51242

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

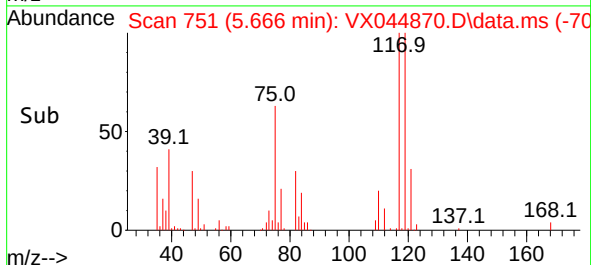
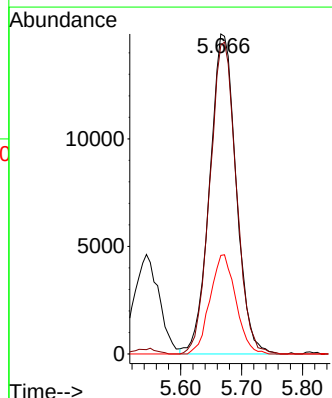
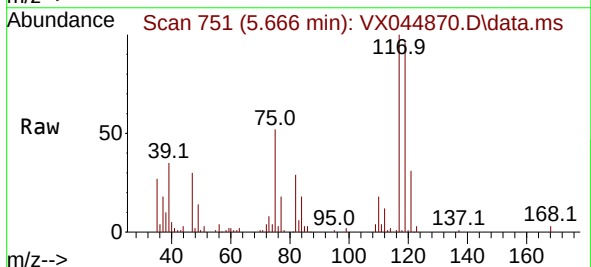
Tgt Ion: 117 Resp: 44802

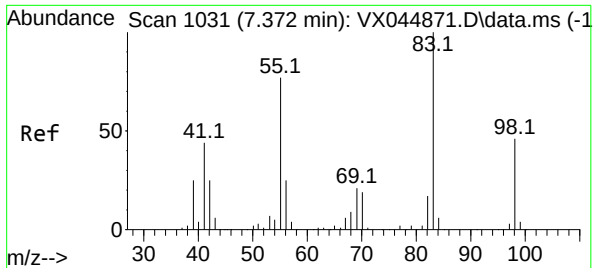
Ion Ratio Lower Upper

117 100

119 96.5 77.5 116.3

121 30.8 25.6 38.4

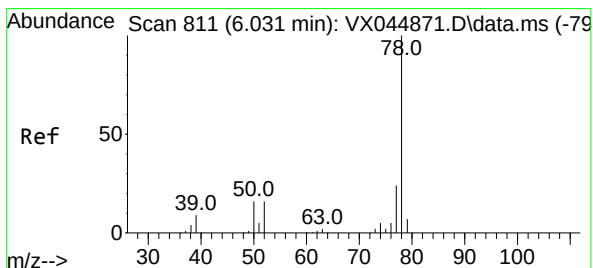
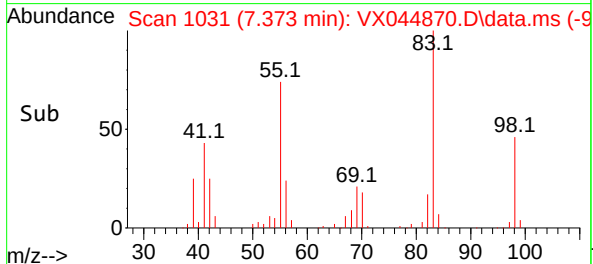
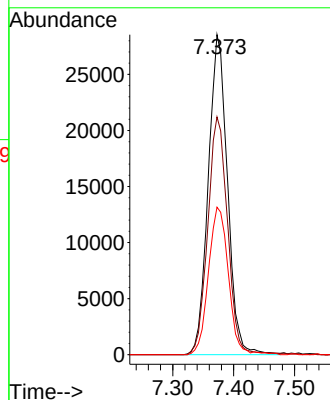
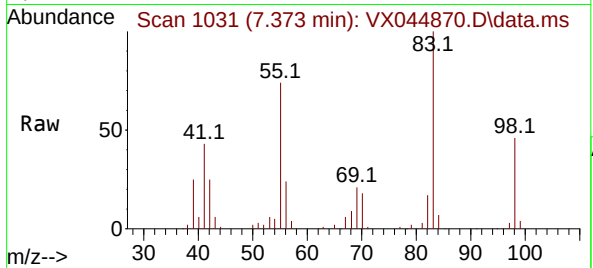




#39
Methylcyclohexane
Concen: 21.985 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

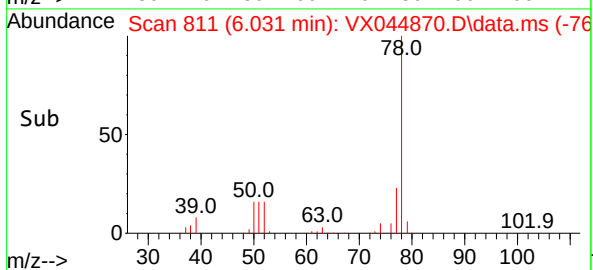
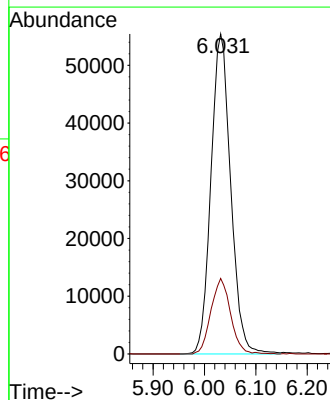
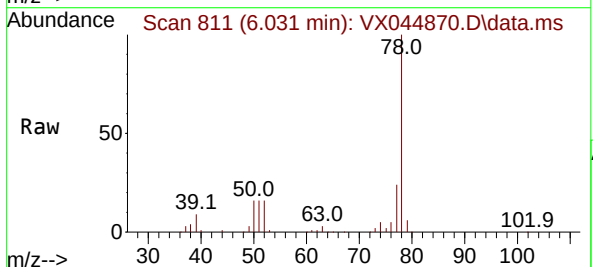
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

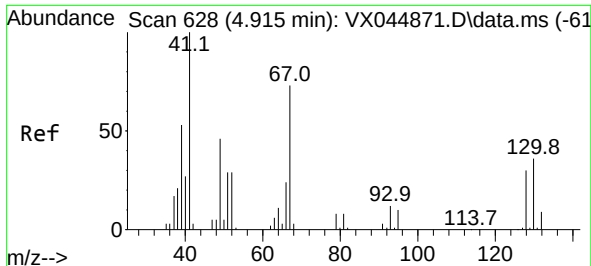
Tgt Ion: 83 Resp: 62505
Ion Ratio Lower Upper
83 100
55 74.3 61.3 91.9
98 46.1 37.0 55.6



#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



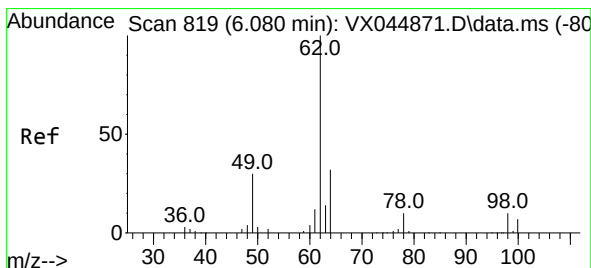
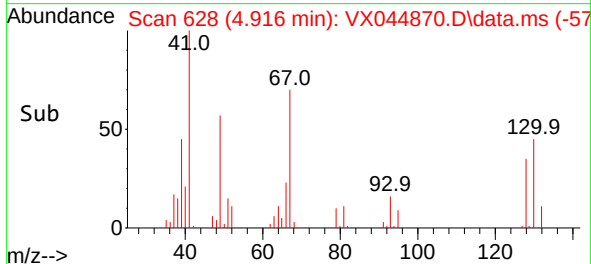
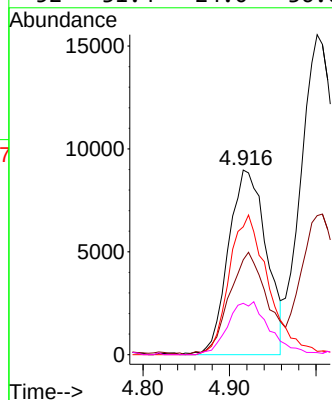
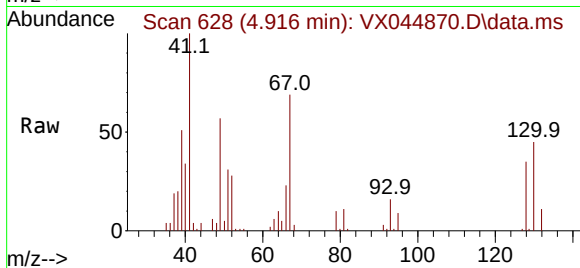


#41
Methacrylonitrile
Concen: 20.887 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 27347

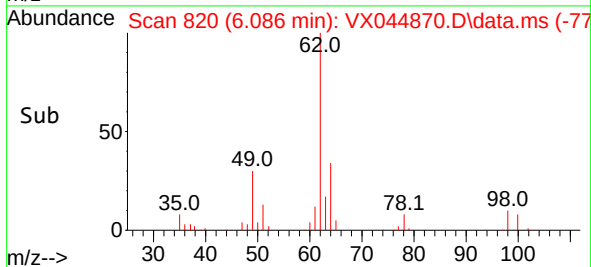
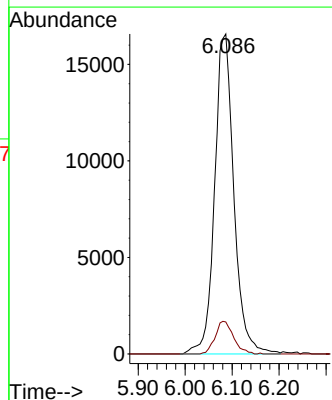
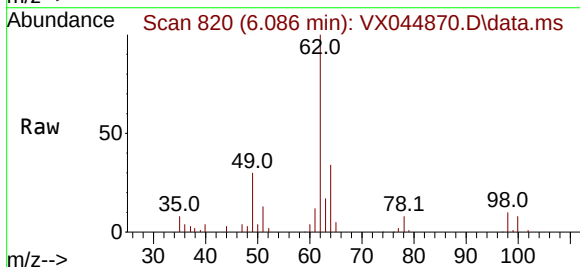
Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.1	64.7
67	78.6	57.0	85.6
52	31.4	24.0	36.0

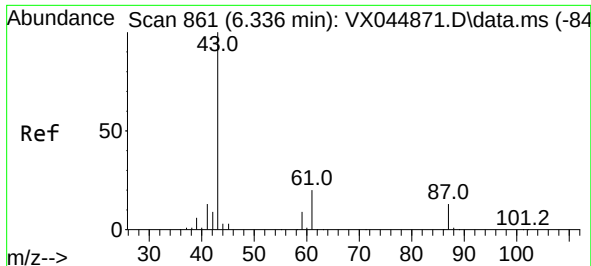


#42
1,2-Dichloroethane
Concen: 21.519 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 62 Resp: 47095

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4

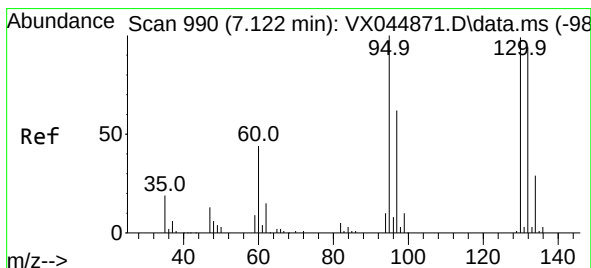
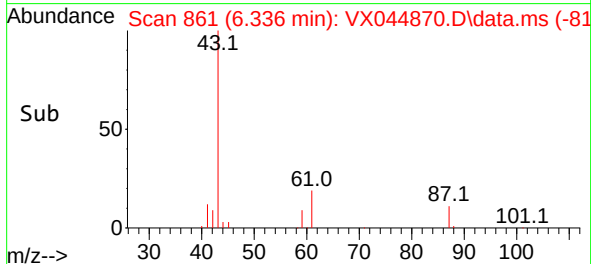
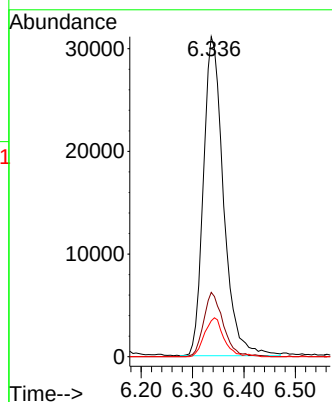
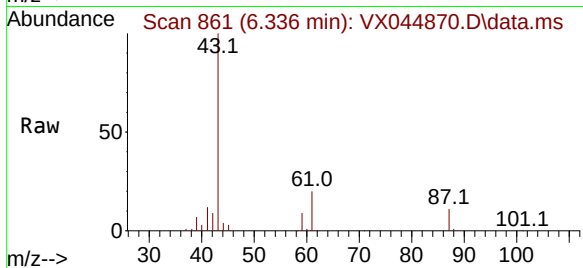




#43
Isopropyl Acetate
Concen: 21.343 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

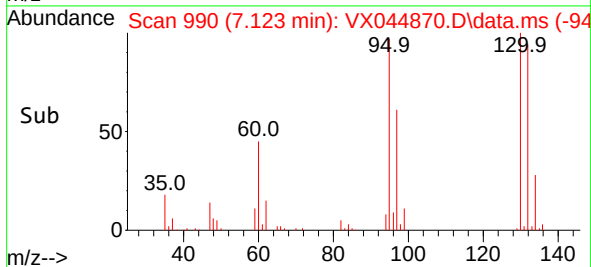
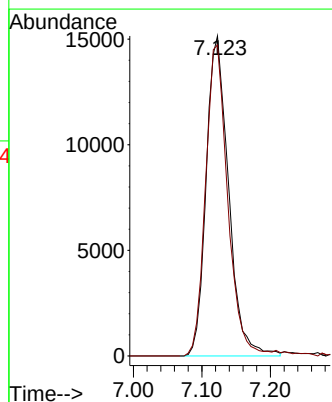
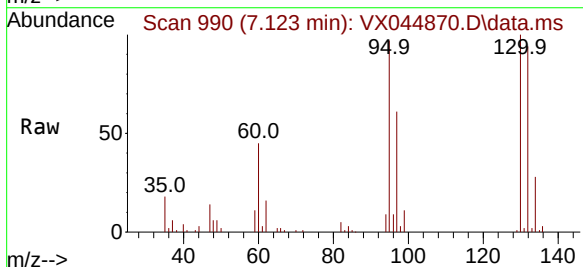
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

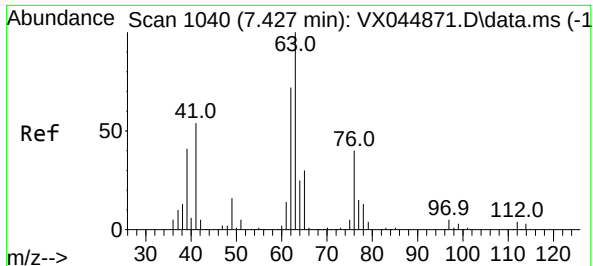
Tgt Ion: 43 Resp: 84306
Ion Ratio Lower Upper
43 100
61 19.5 15.8 23.8
87 11.6 10.0 15.0



#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 :

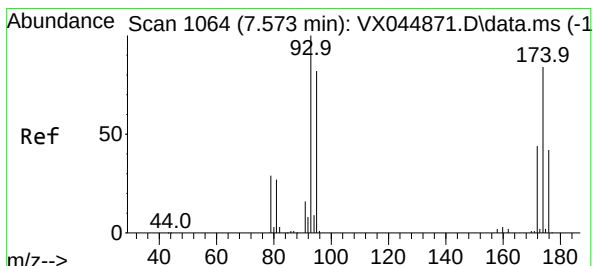
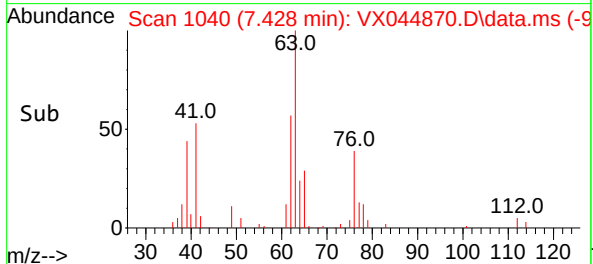
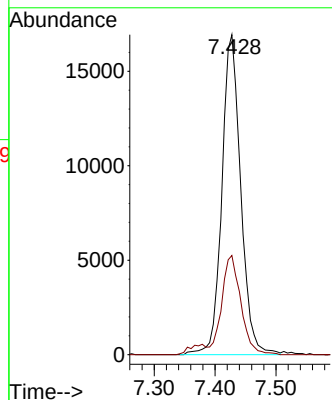
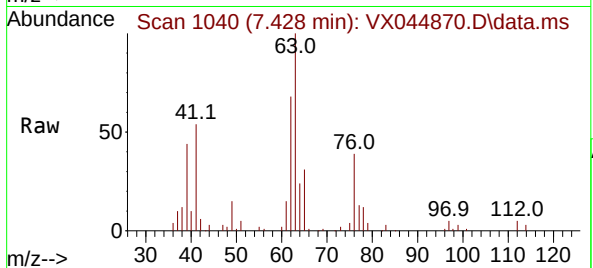
VSTDICC020

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

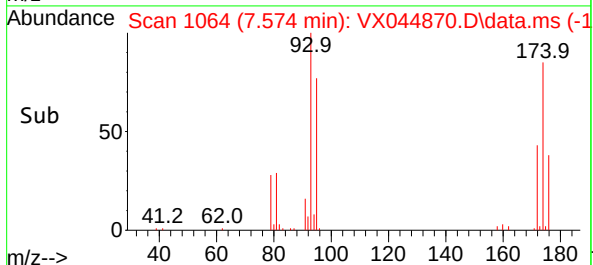
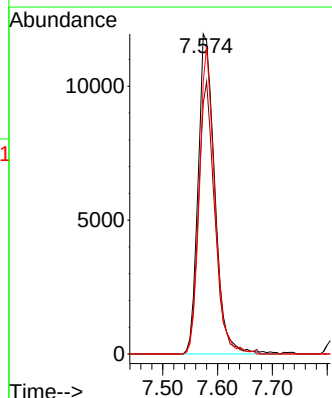
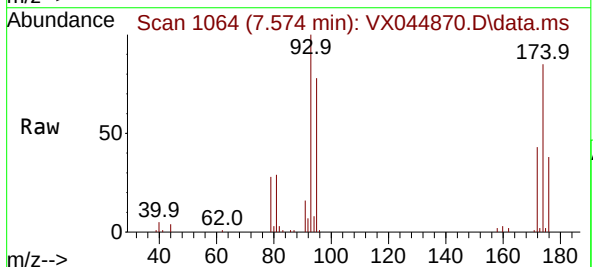
Tgt Ion: 93 Resp: 25300

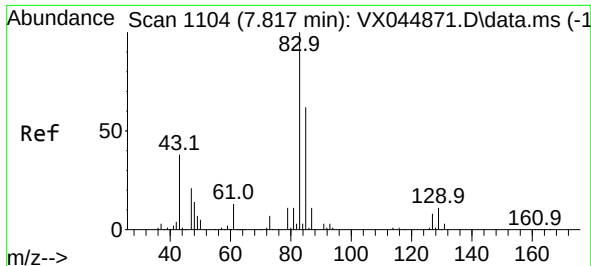
Ion Ratio Lower Upper

93 100

95 82.5 66.2 99.4

174 88.6 69.9 104.9

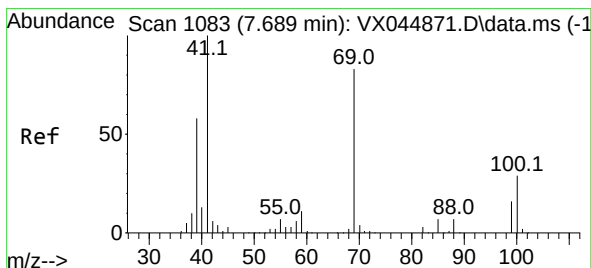
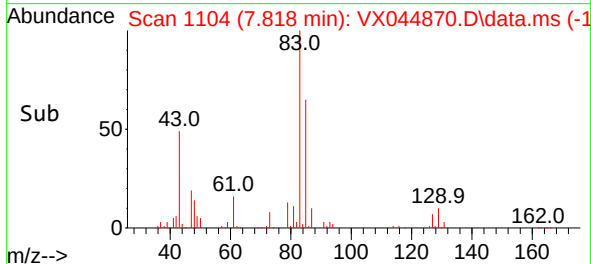
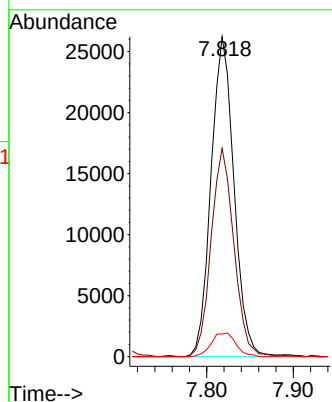
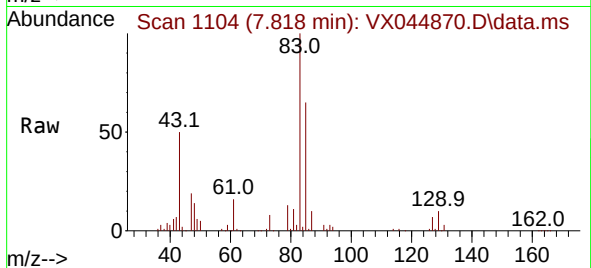




#47
Bromodichloromethane
Concen: 21.012 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

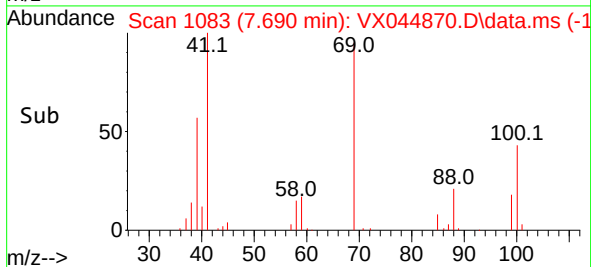
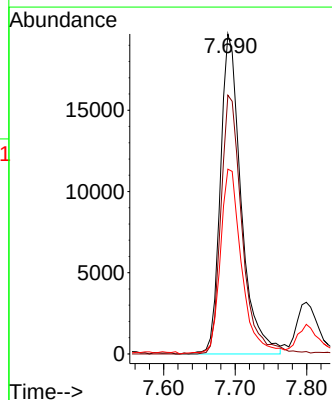
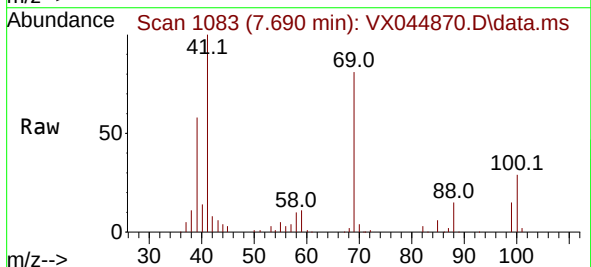
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

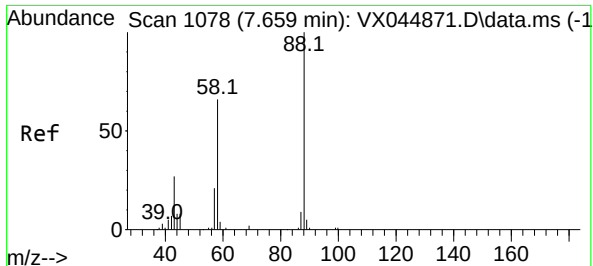
Tgt Ion: 83 Resp: 48202
Ion Ratio Lower Upper
83 100
85 65.1 50.0 75.0
127 7.1 6.4 9.6



#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 :

VSTDIC020

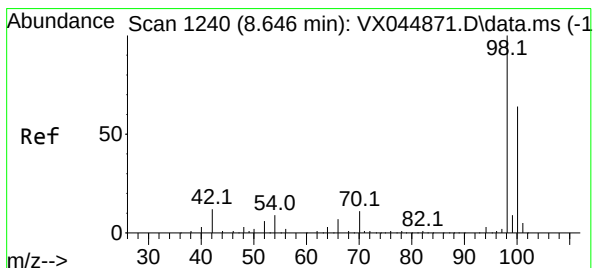
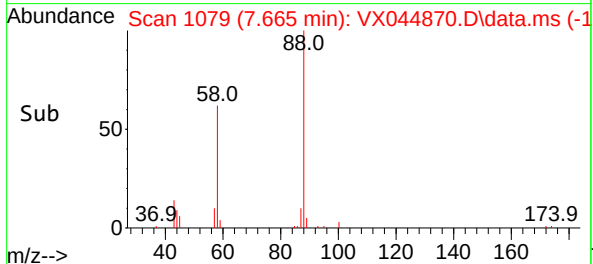
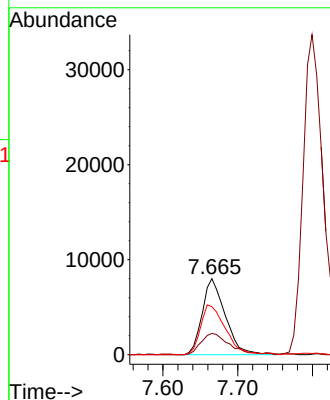
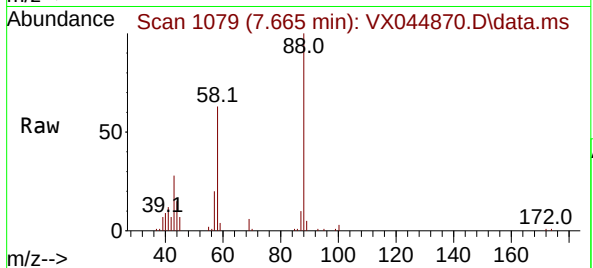
Tgt Ion: 88 Resp: 17153

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

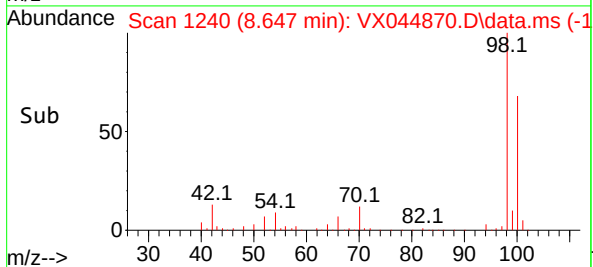
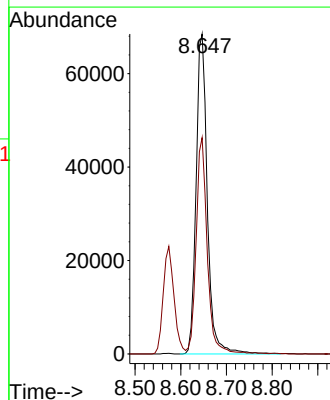
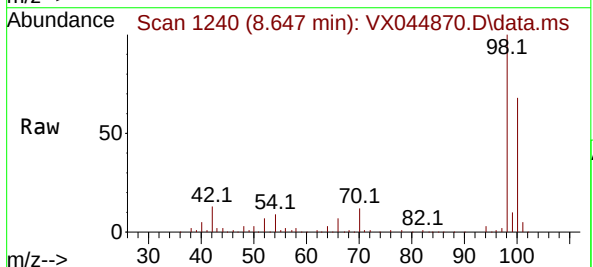
Acq: 10 Feb 2025 11:11

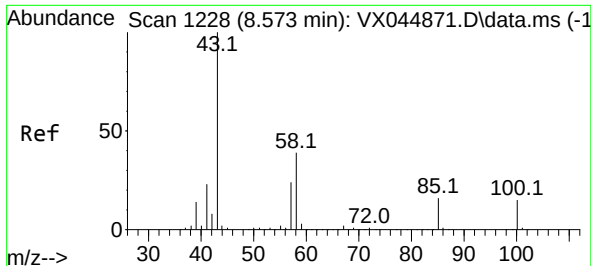
Tgt Ion: 98 Resp: 117127

Ion Ratio Lower Upper

98 100

100 66.4 52.7 79.1

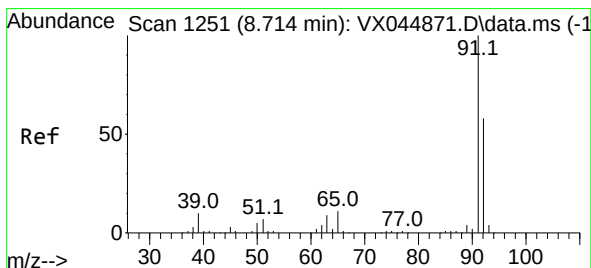
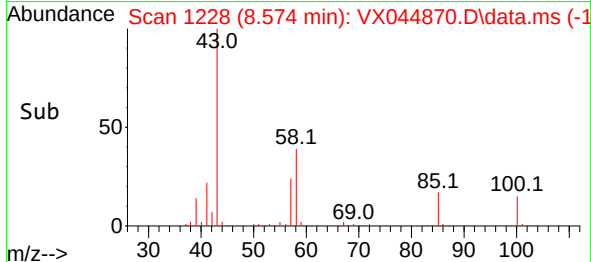
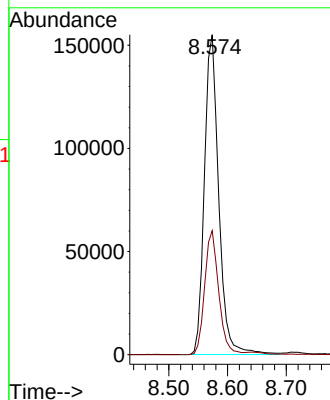
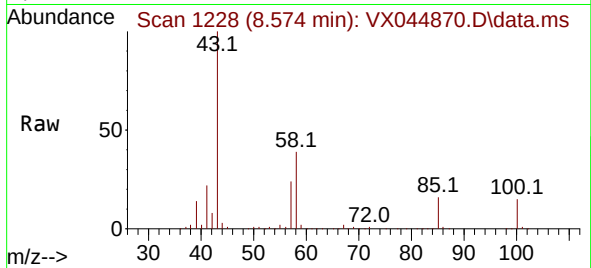




#51
4-Methyl-2-Pentanone
Concen: 109.684 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

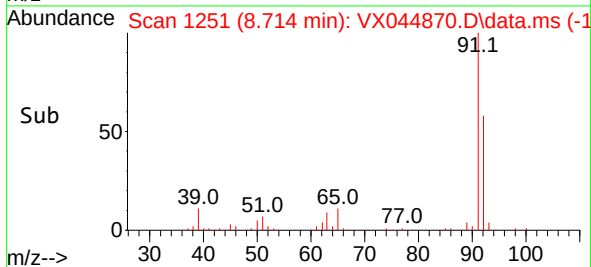
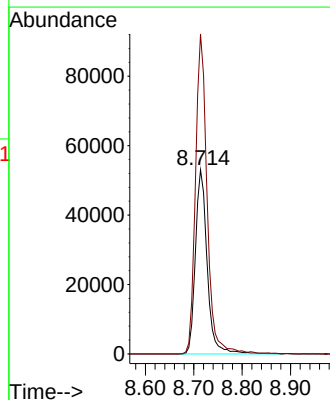
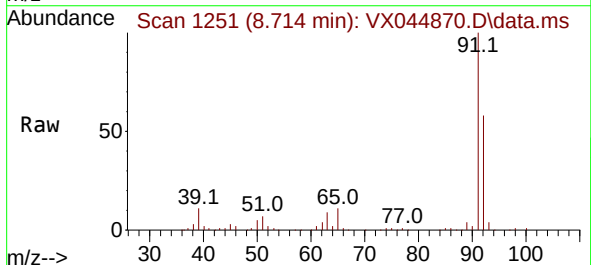
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

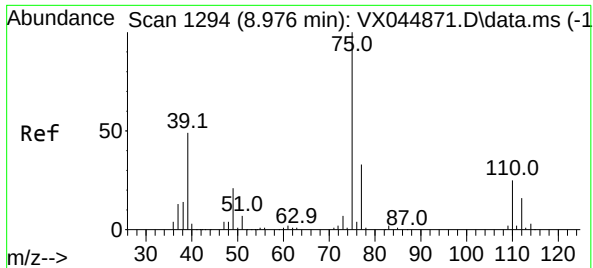
Tgt Ion: 43 Resp: 263394
Ion Ratio Lower Upper
43 100
58 38.1 30.8 46.2



#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

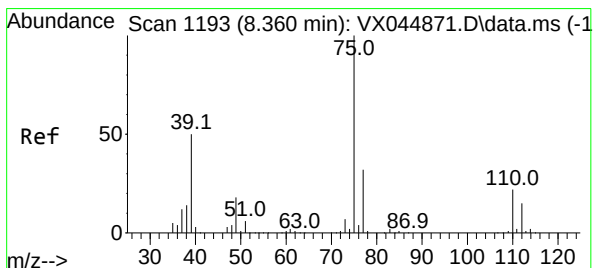
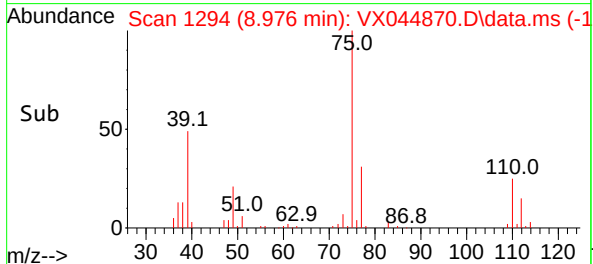
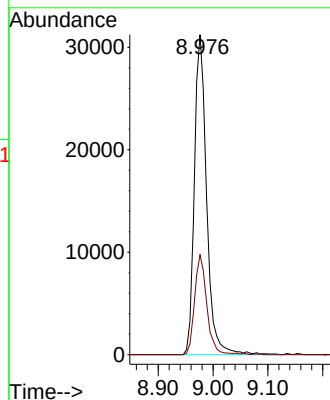
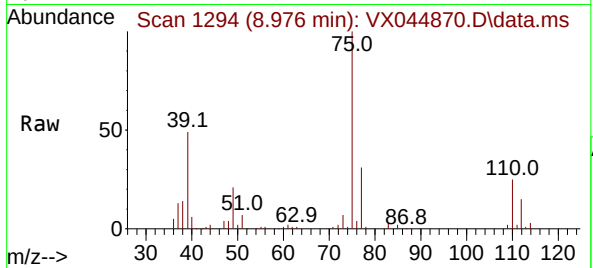




#53
 t-1,3-Dichloropropene
 Concen: 20.940 ug/l
 RT: 8.976 min Scan# 1194
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

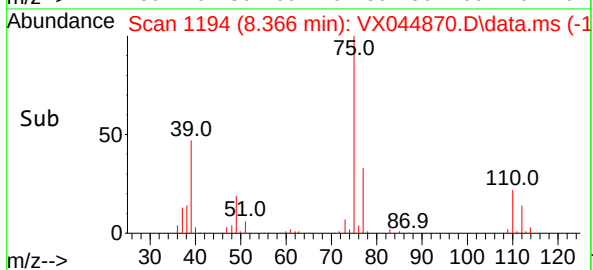
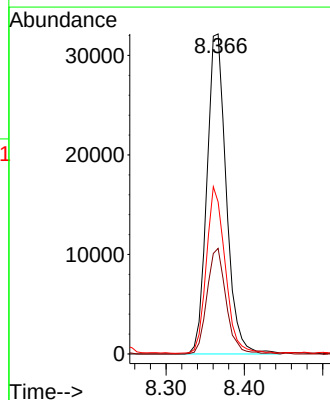
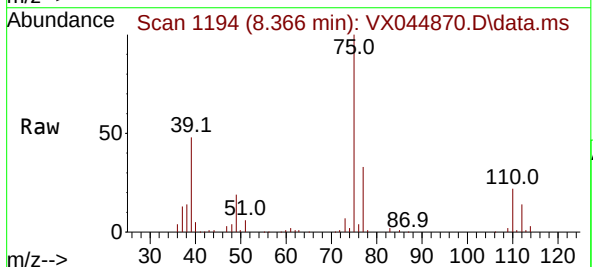
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

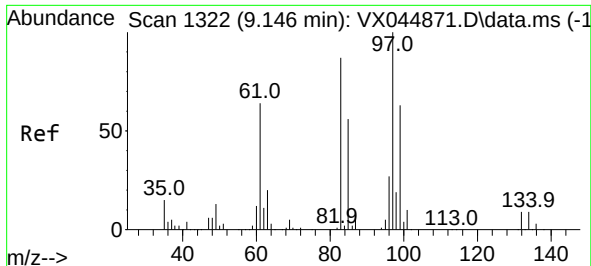
Tgt Ion: 75 Resp: 48613
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.0 39.0



#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

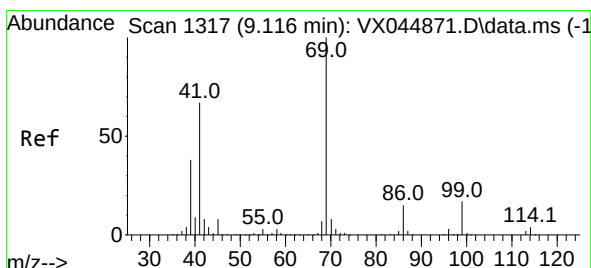
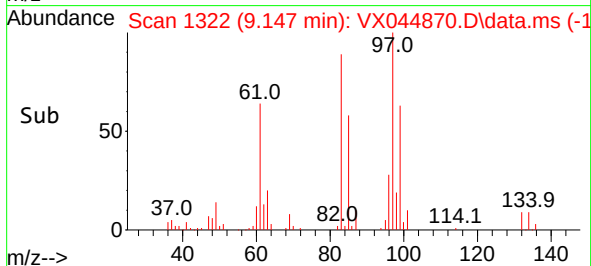
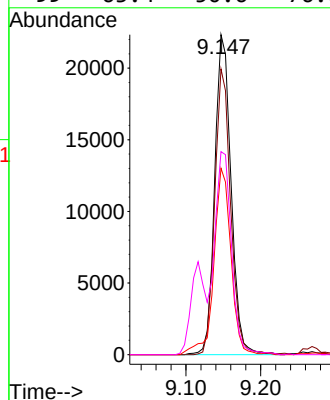
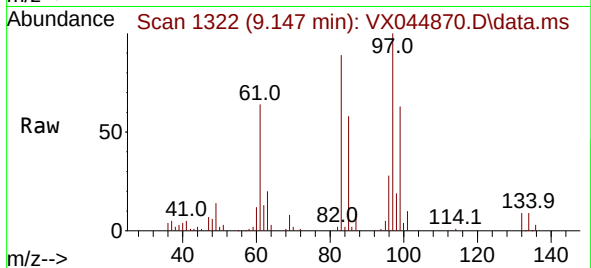
Instrument :

MSVOA_X

ClientSampleId :

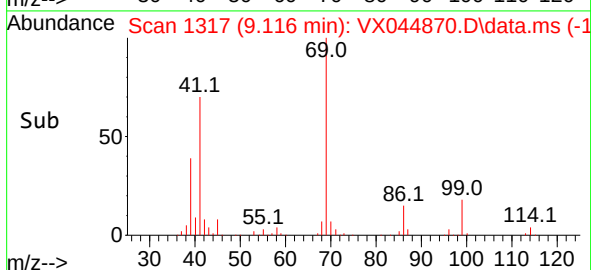
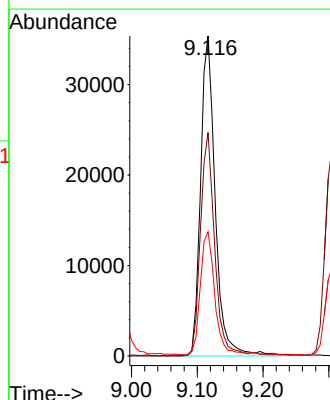
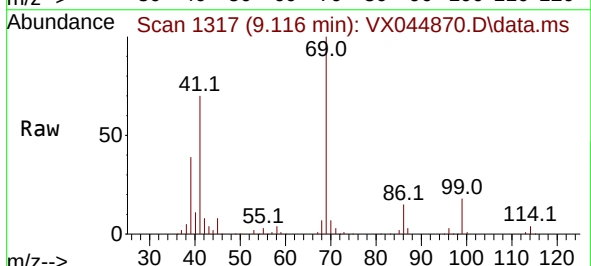
VSTDIC020

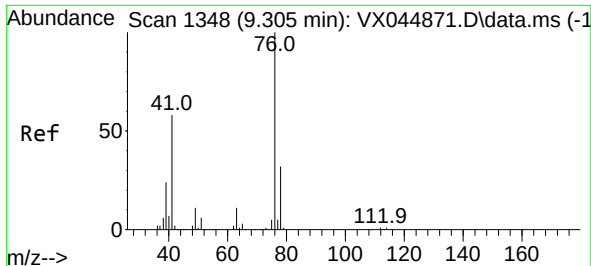
Tgt Ion:	97	Resp:	33930
Ion	Ratio	Lower	Upper
97	100		
83	89.3	69.8	104.6
85	58.3	44.8	67.2
99	63.4	50.6	76.0



#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 :

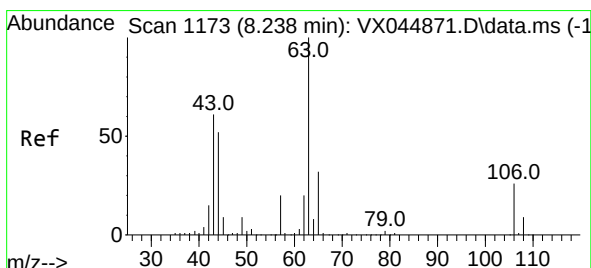
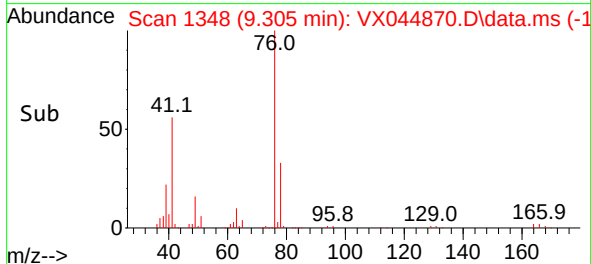
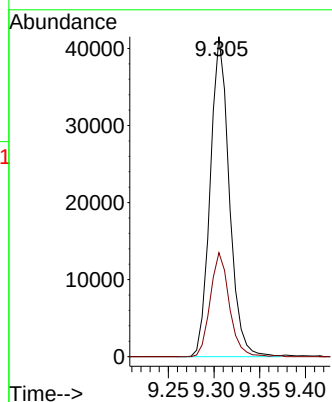
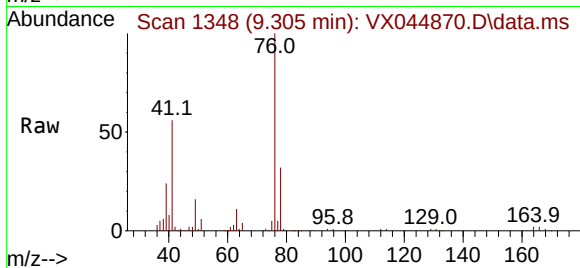
VSTDICC020

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

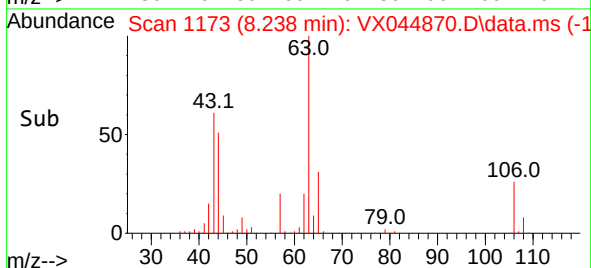
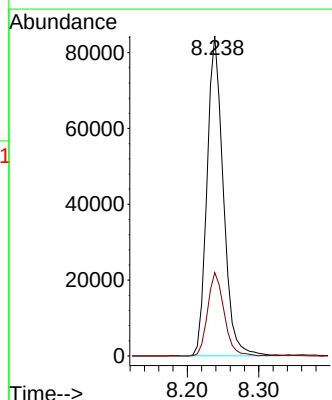
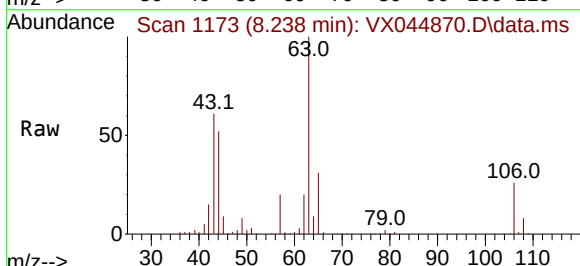
Acq: 10 Feb 2025 11:11

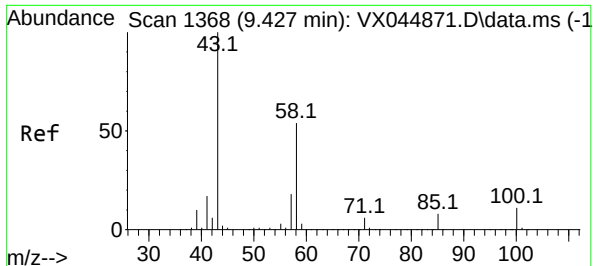
Tgt Ion: 63 Resp: 133072

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 :

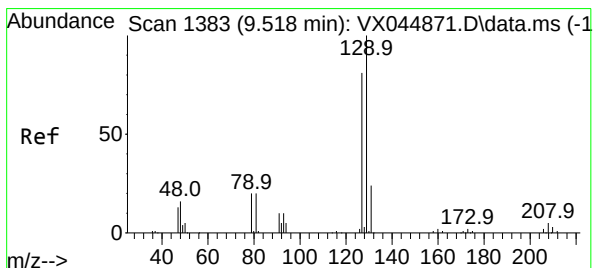
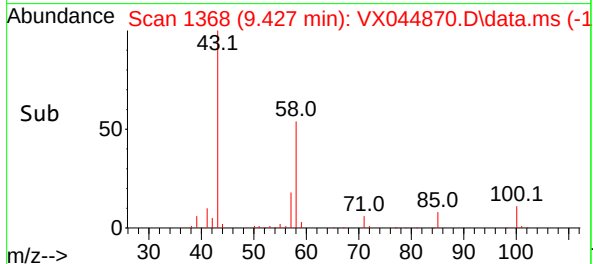
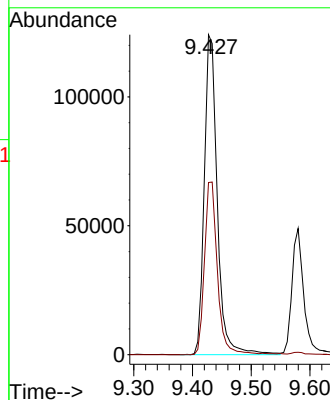
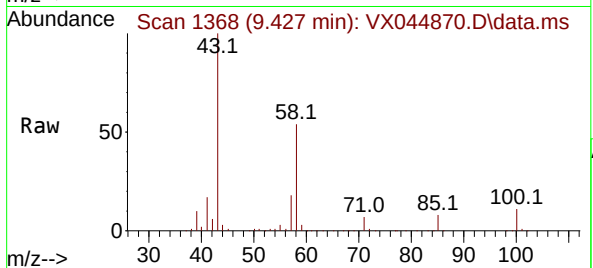
VSTDIC020

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

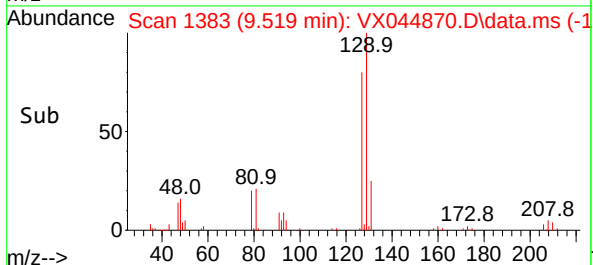
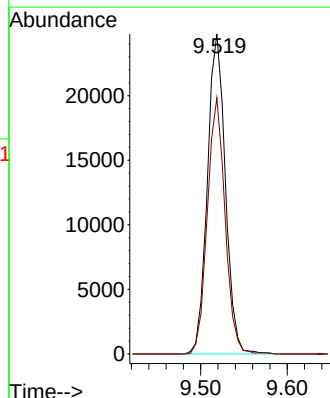
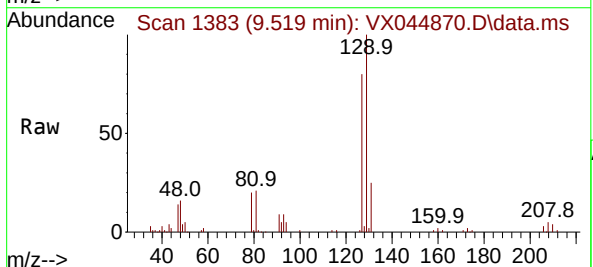
Acq: 10 Feb 2025 11:11

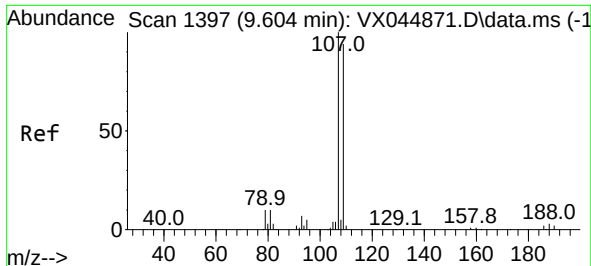
Tgt Ion: 129 Resp: 35706

Ion Ratio Lower Upper

129 100

127 79.0 39.1 117.3

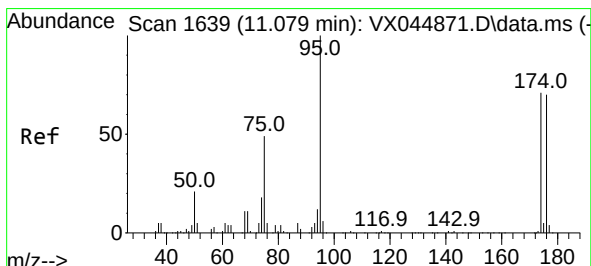
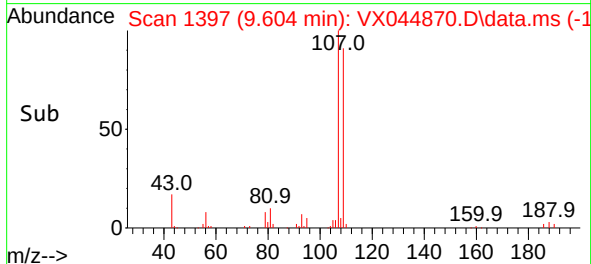
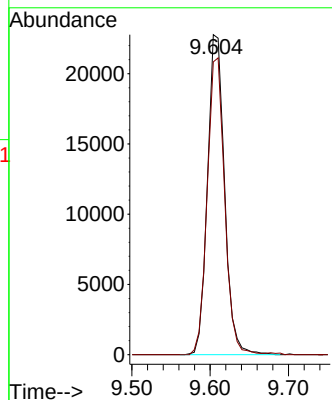
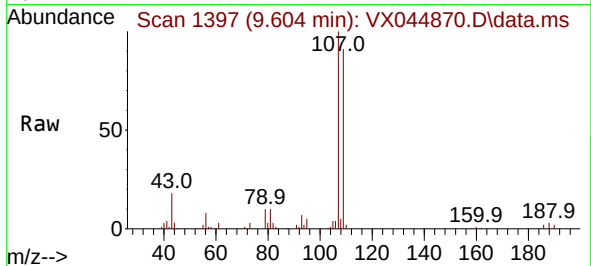




#61
 1,2-Dibromoethane
 Concen: 21.628 ug/l
 RT: 9.604 min Scan# 1397
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

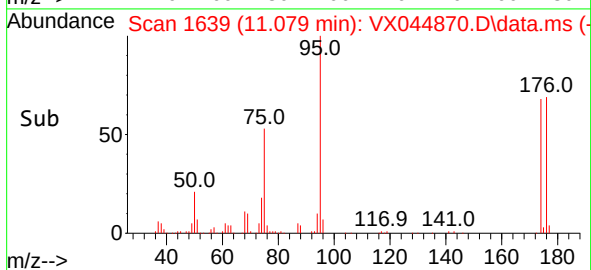
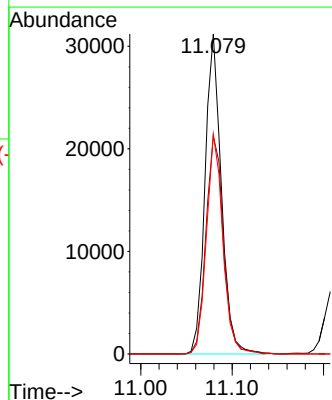
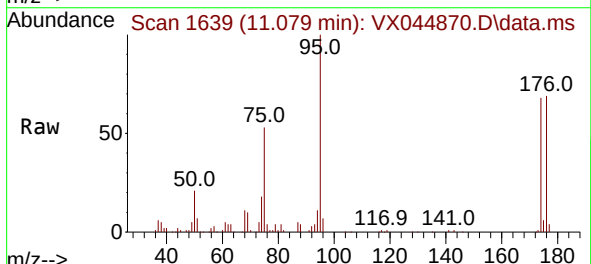
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

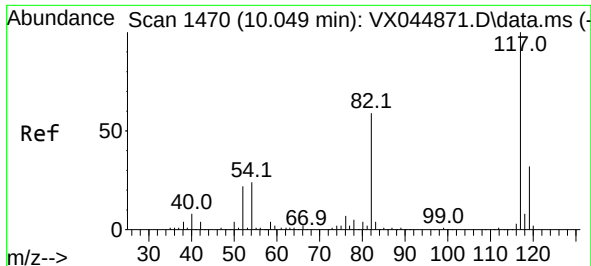
Tgt Ion:107 Resp: 34463
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.9 113.9



#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

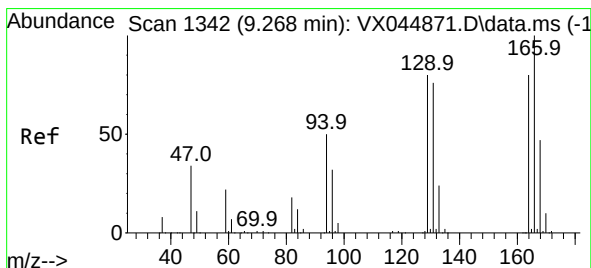
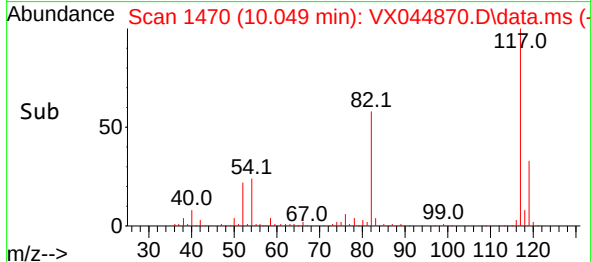
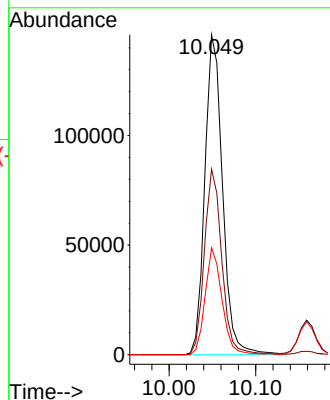
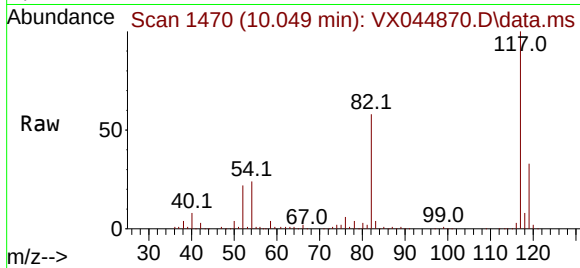




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

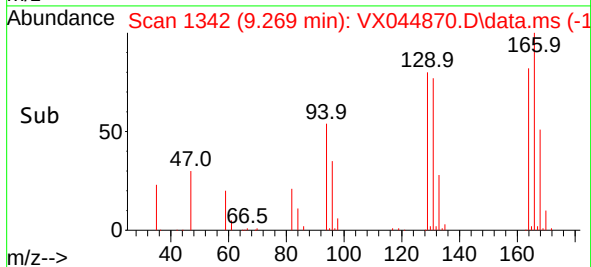
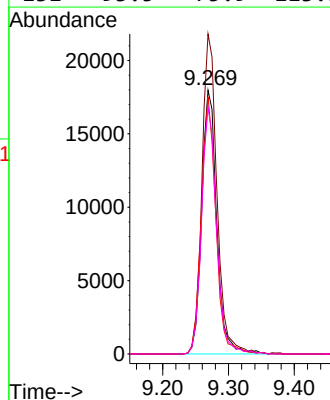
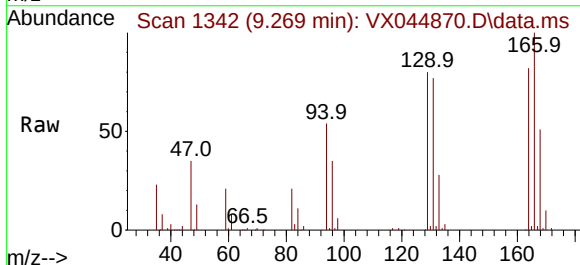
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

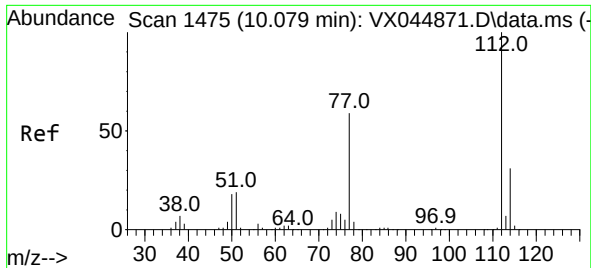
Tgt Ion:117 Resp: 207667
Ion Ratio Lower Upper
117 100
82 58.0 47.5 71.3
119 33.4 25.4 38.0



#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

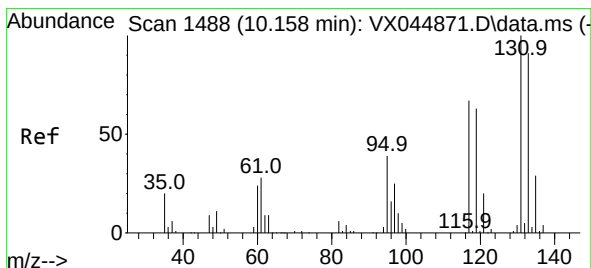
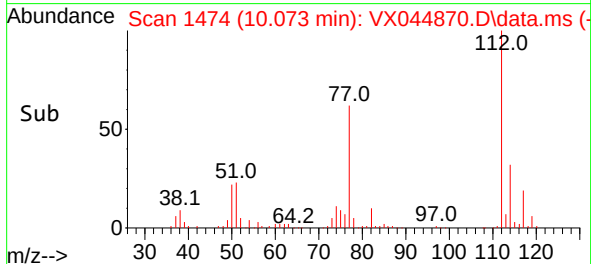
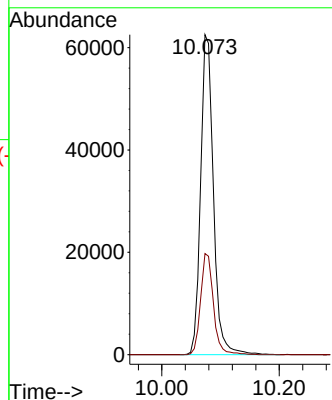
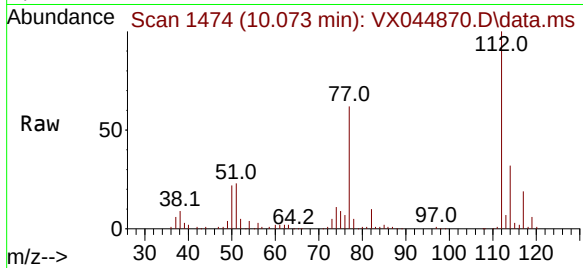




#65
Chlorobenzene
Concen: 21.230 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

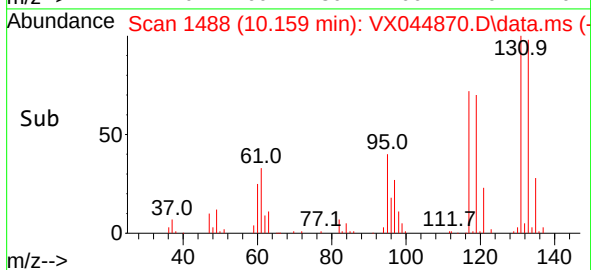
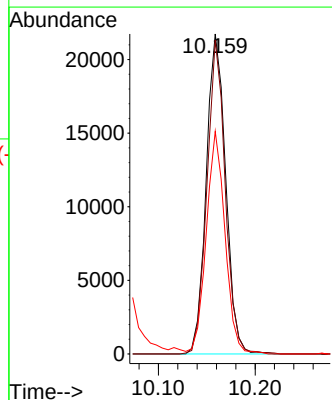
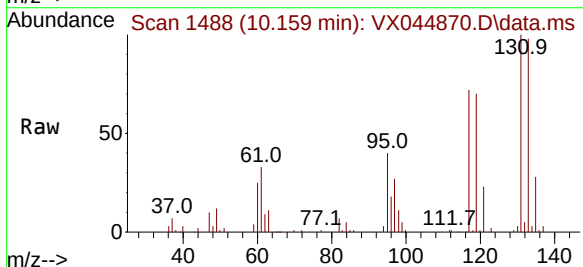
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

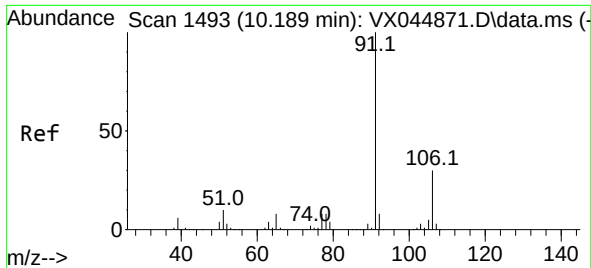
Tgt Ion:112 Resp: 94695
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6



#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

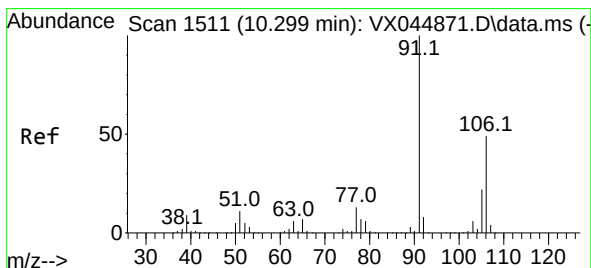
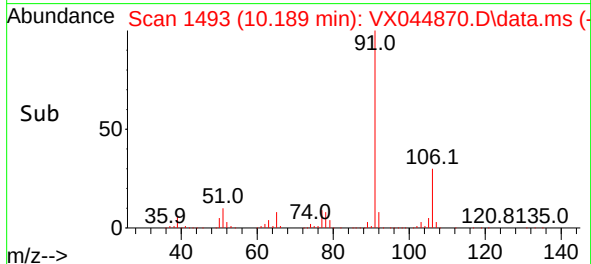
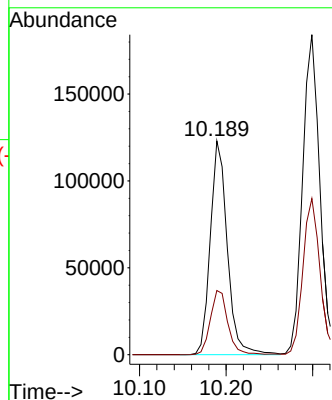
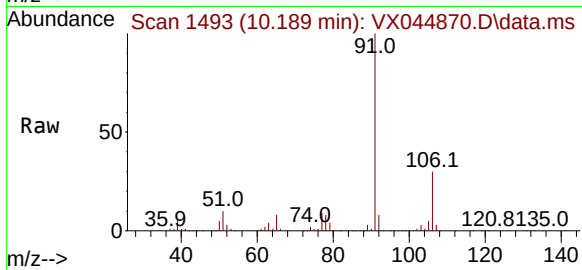




#67
Ethyl Benzene
Concen: 21.327 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

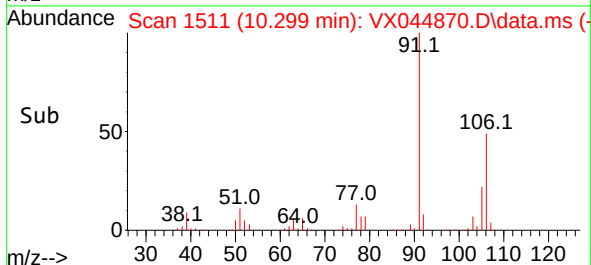
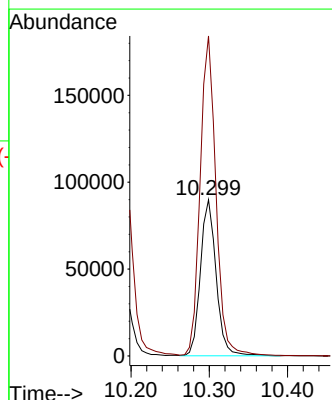
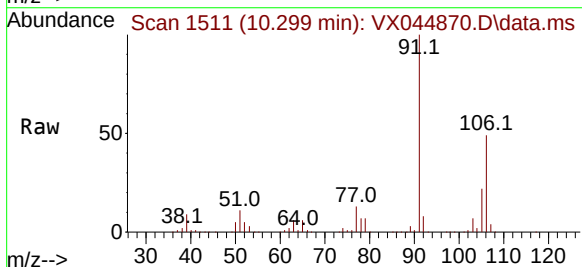
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

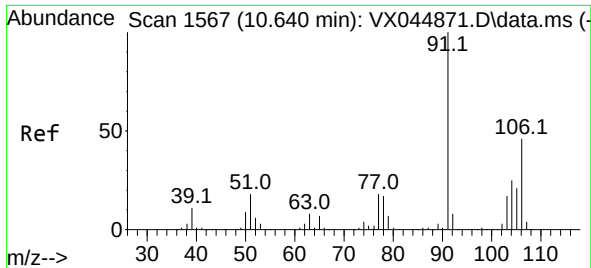
Tgt Ion: 91 Resp: 167865
Ion Ratio Lower Upper
91 100
106 30.0 23.9 35.9



#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

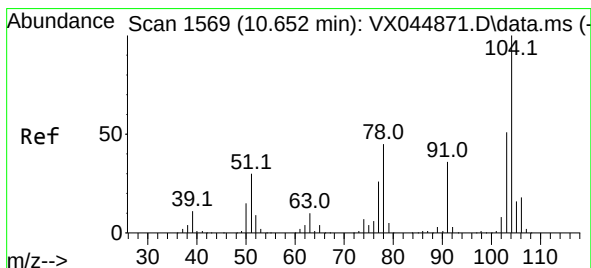
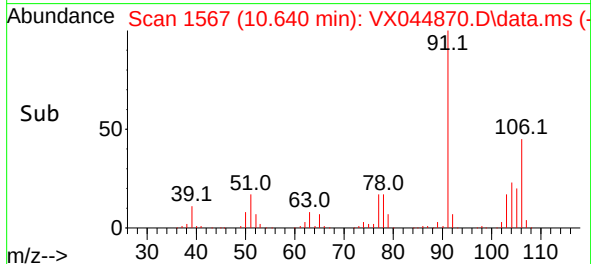
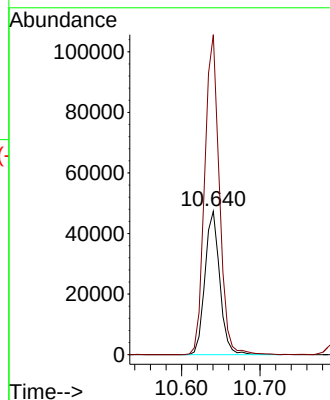
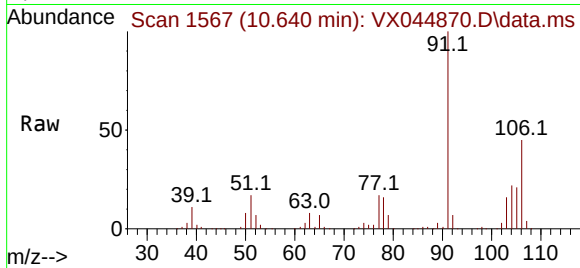




#69
o-Xylene
Concen: 21.310 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

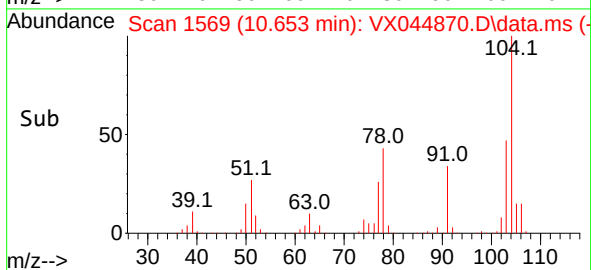
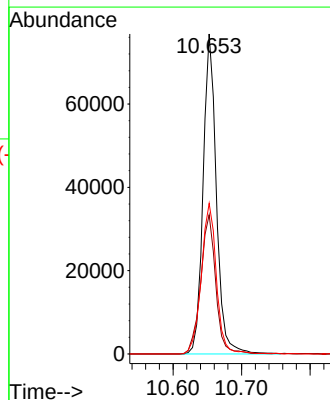
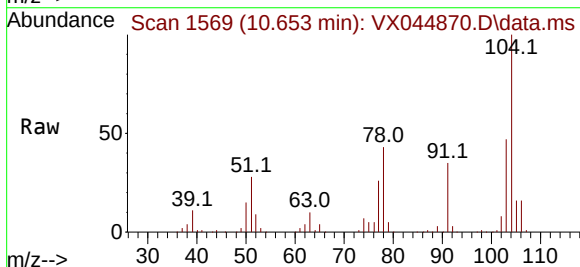
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

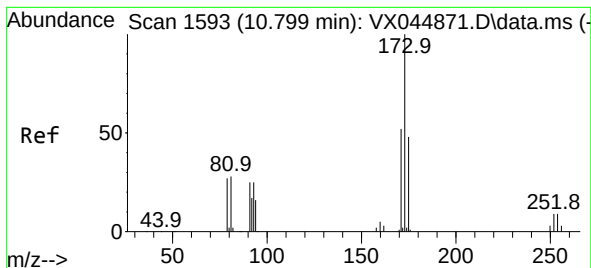
Tgt Ion:106 Resp: 62087
Ion Ratio Lower Upper
106 100
91 221.5 108.5 325.5



#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# 1593

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

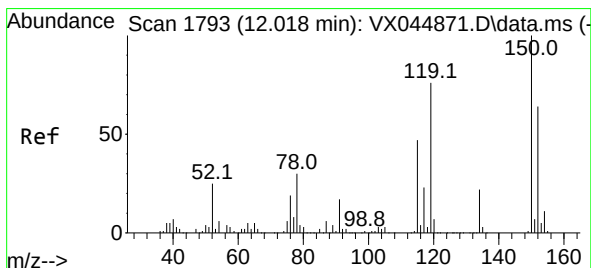
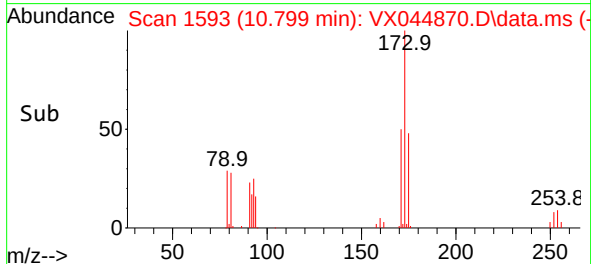
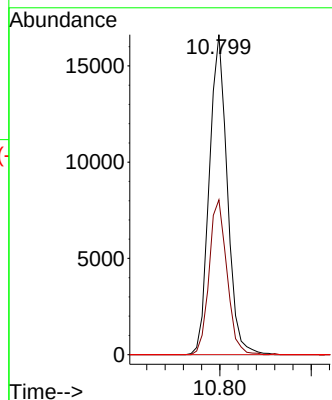
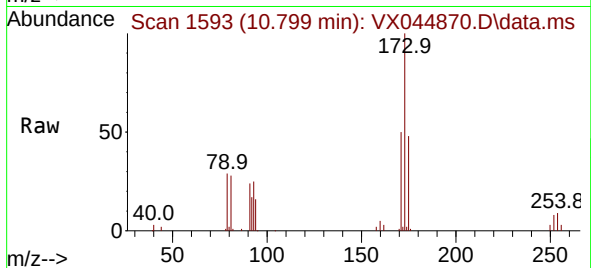
Tgt Ion:173 Resp: 22592

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

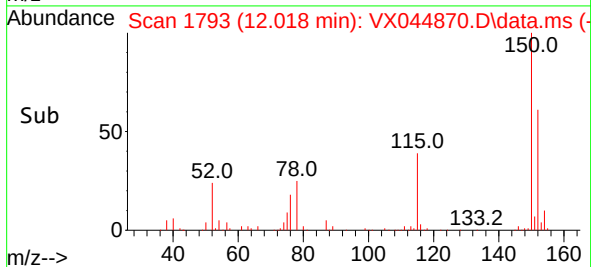
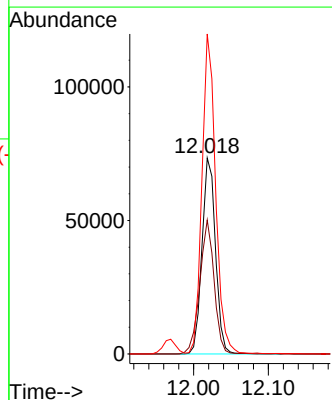
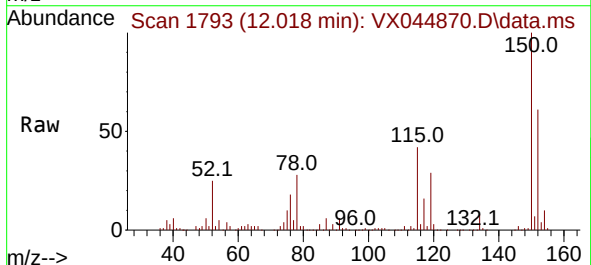
Tgt Ion:152 Resp: 92093

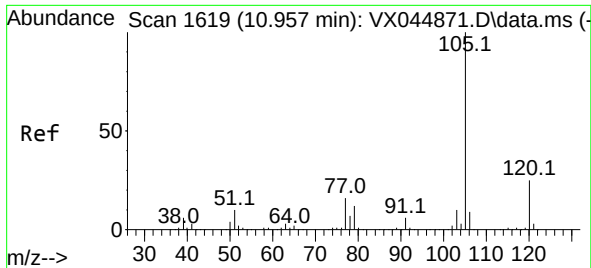
Ion Ratio Lower Upper

152 100

115 72.4 43.4 130.1

150 164.8 0.0 350.4

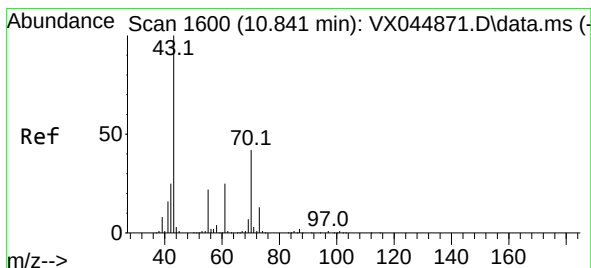
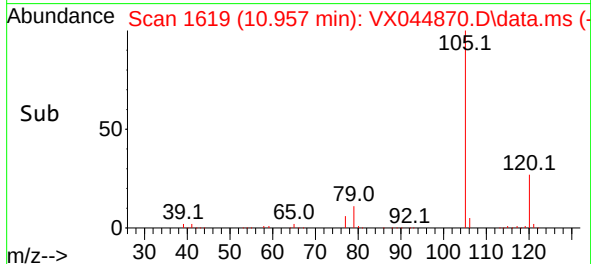
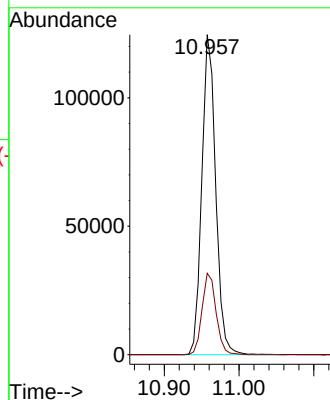
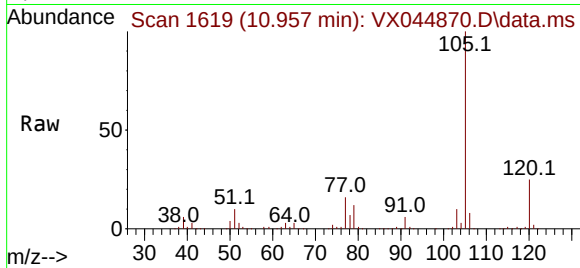




#73
Isopropylbenzene
Concen: 21.597 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

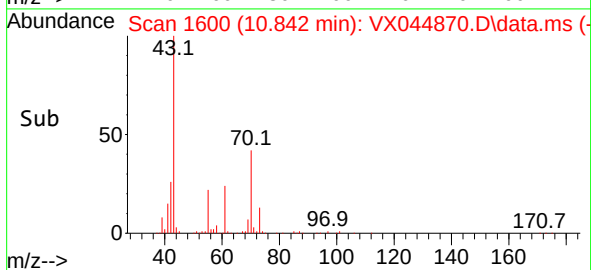
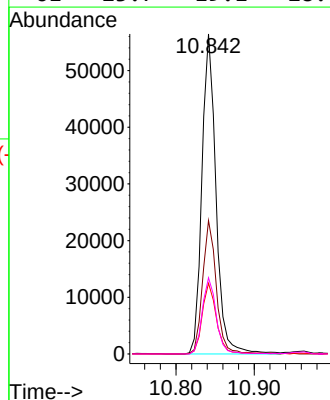
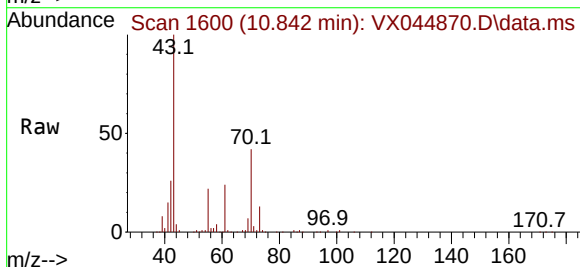
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

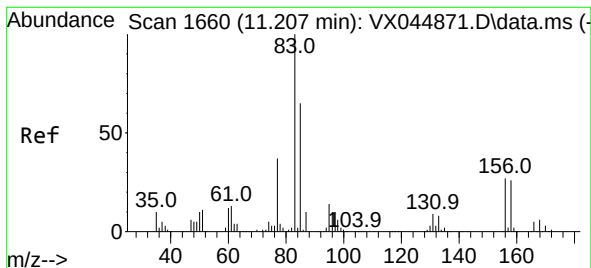
Tgt Ion:105 Resp: 160147
Ion Ratio Lower Upper
105 100
120 25.7 13.2 39.5



#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

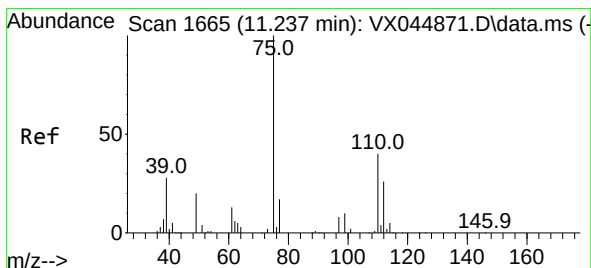
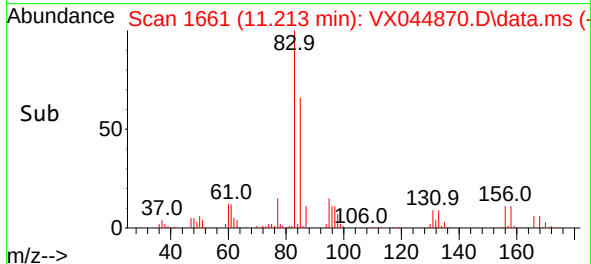
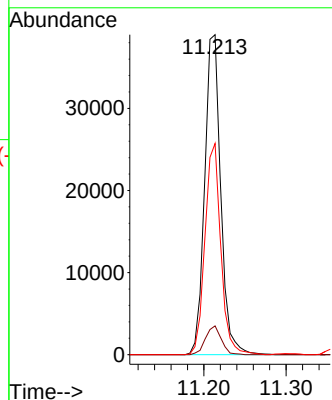
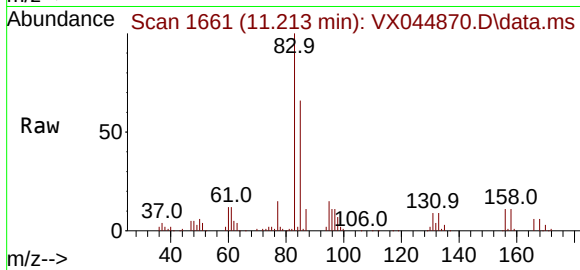
Tgt Ion: 83 Resp: 52967

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

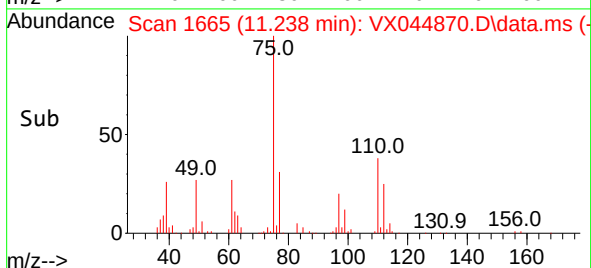
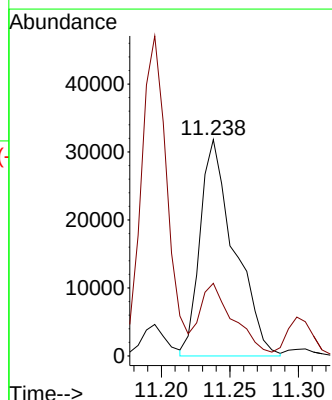
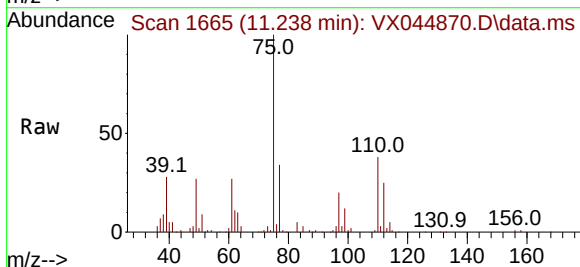
Acq: 10 Feb 2025 11:11

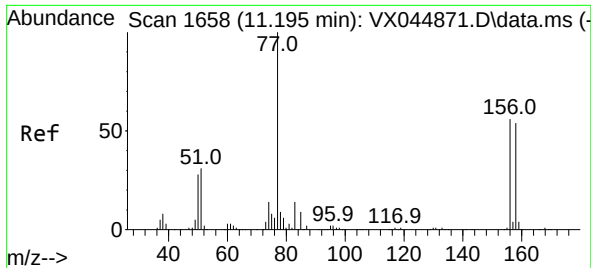
Tgt Ion: 75 Resp: 55632

Ion Ratio Lower Upper

75 100

77 33.0 21.9 65.7

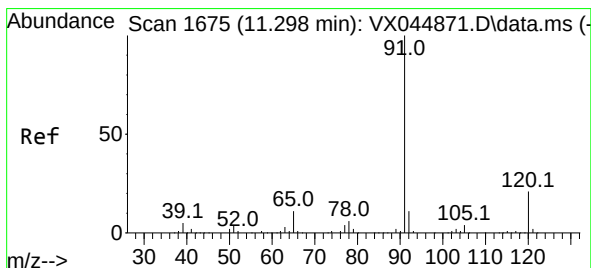
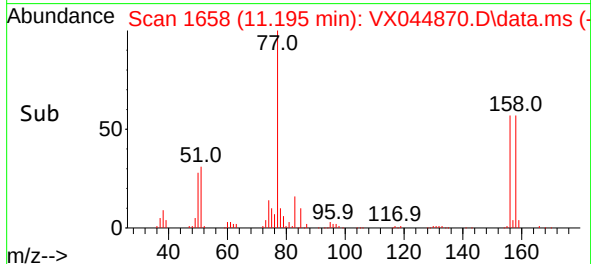
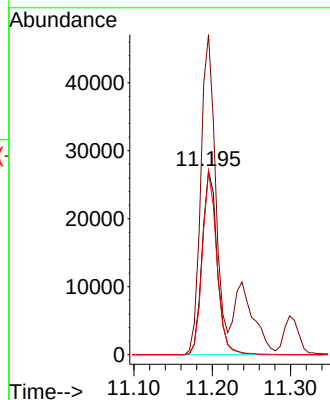
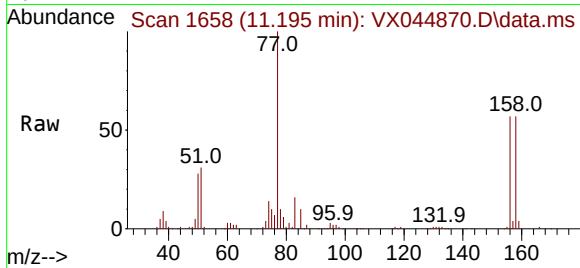




#77
Bromobenzene
Concen: 21.426 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

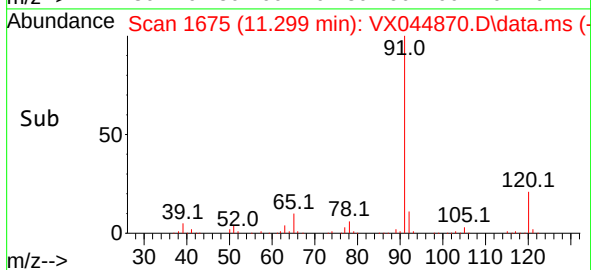
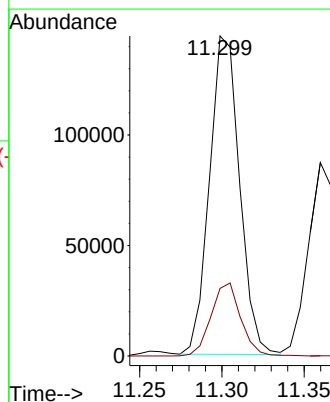
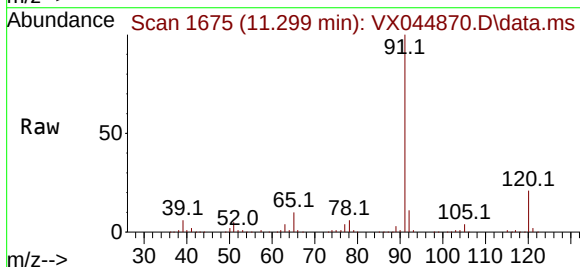
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

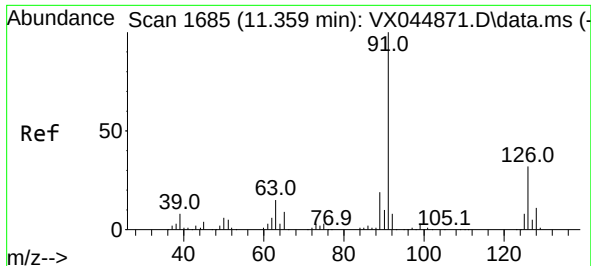
Tgt Ion:156 Resp: 36021
Ion Ratio Lower Upper
156 100
77 171.1 88.4 265.3
158 96.8 48.4 145.2



#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# 1

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

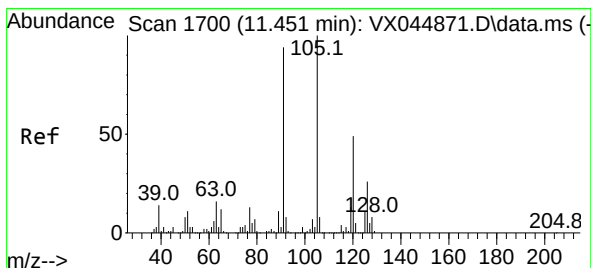
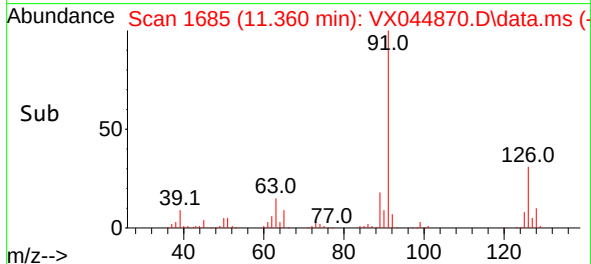
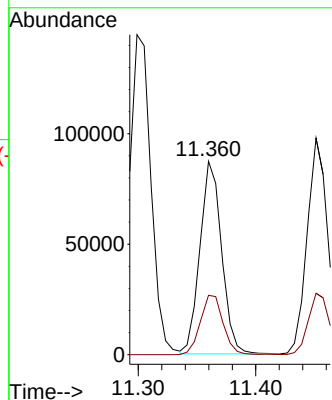
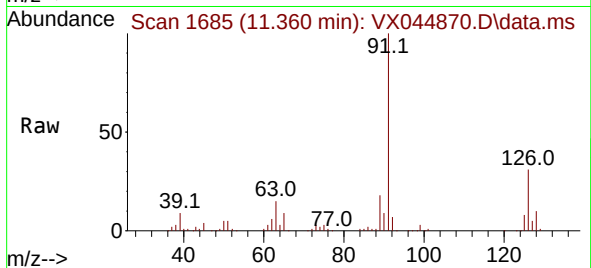
VSTDICC020

Tgt Ion: 91 Resp: 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

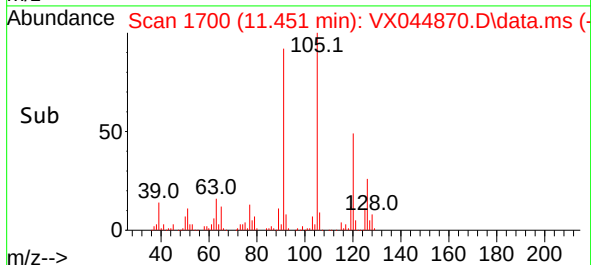
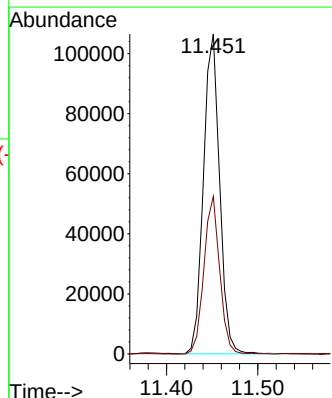
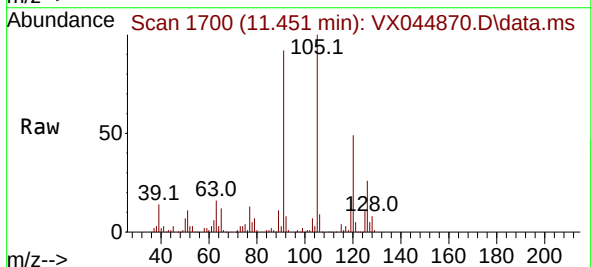
Acq: 10 Feb 2025 11:11

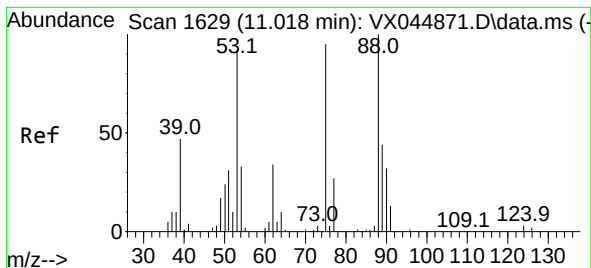
Tgt Ion:105 Resp: 130526

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0

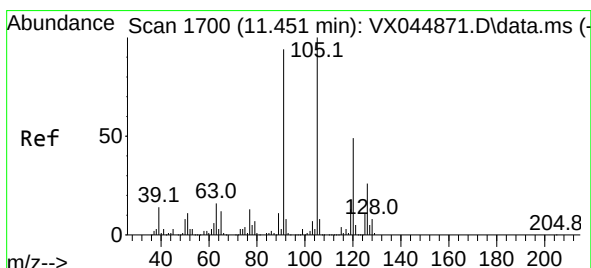
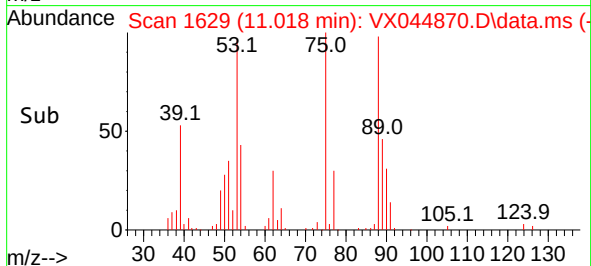
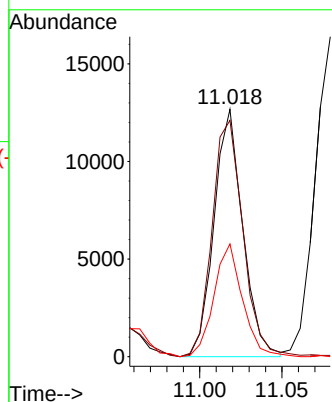
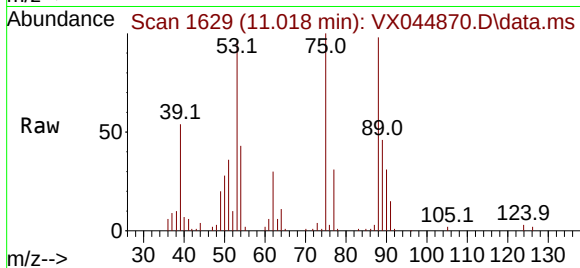




#81
trans-1,4-Dichloro-2-butene
Concen: 19.370 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

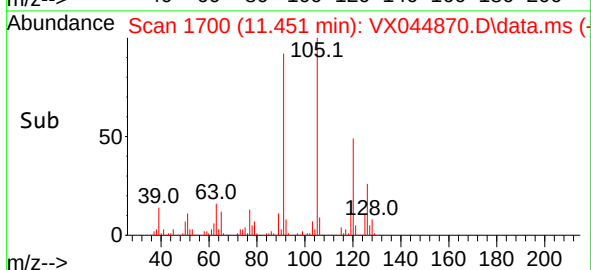
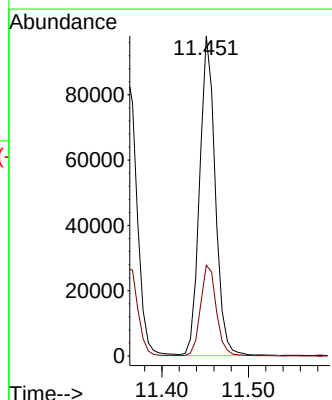
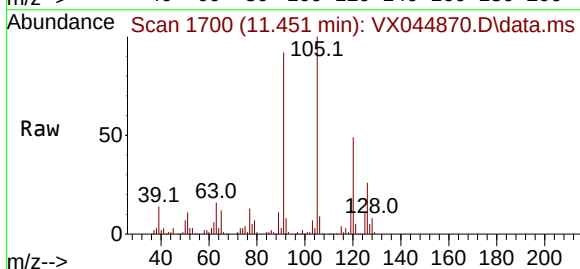
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

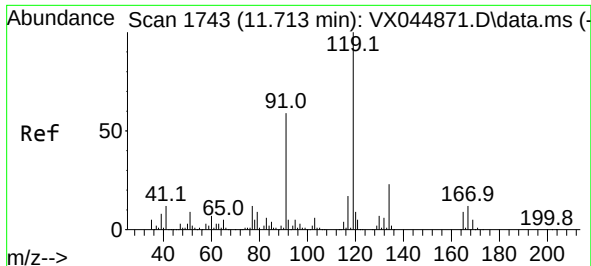
Tgt Ion: 75 Resp: 15375
Ion Ratio Lower Upper
75 100
53 103.3 78.0 117.0
89 45.3 36.6 54.8



#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

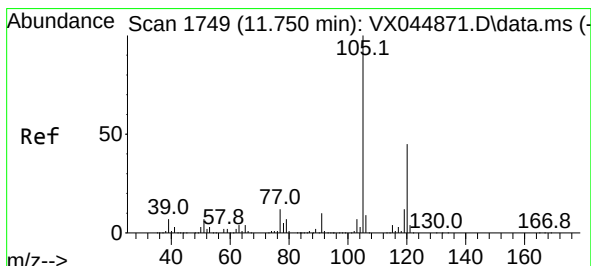
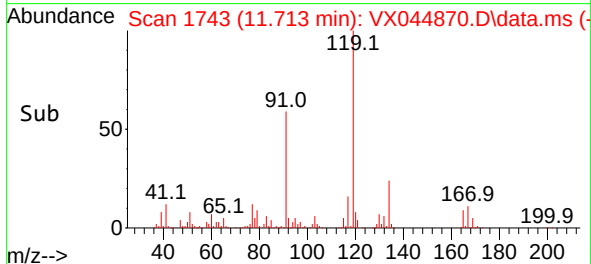
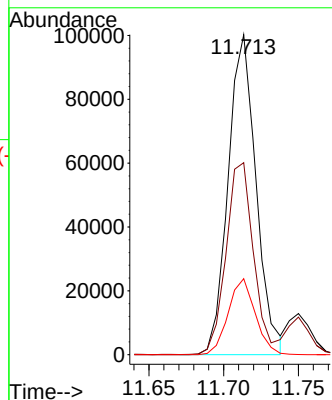
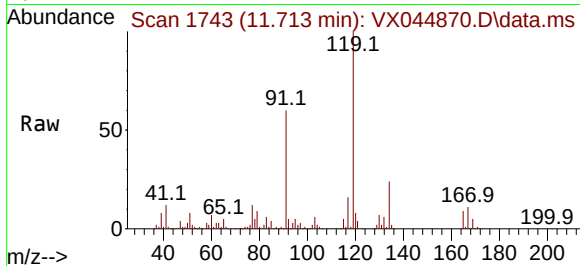




#83
tert-Butylbenzene
Concen: 21.414 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

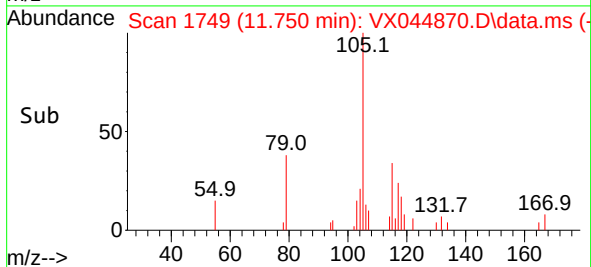
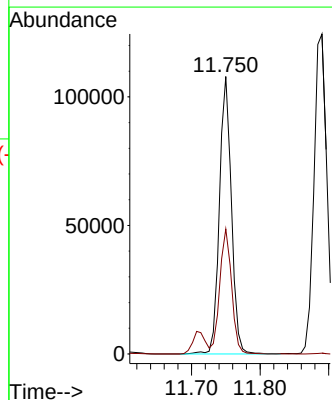
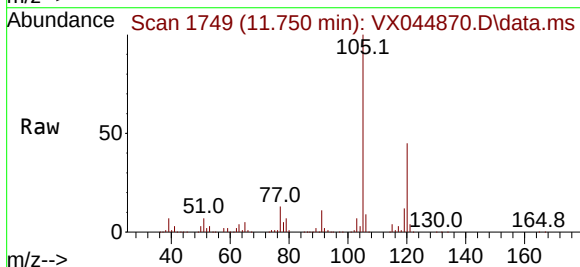
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

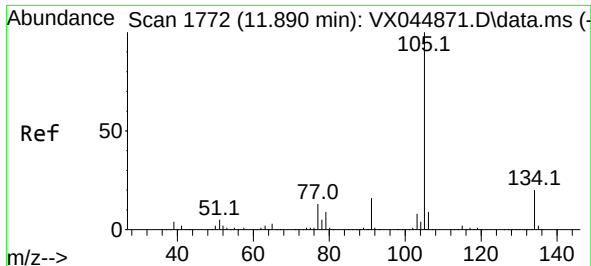
Tgt Ion:119 Resp: 130358
Ion Ratio Lower Upper
119 100
91 58.6 29.1 87.4
134 23.1 11.5 34.5



#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

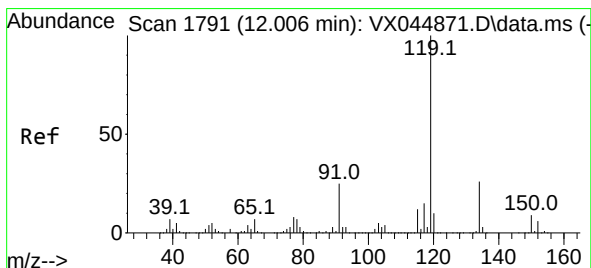
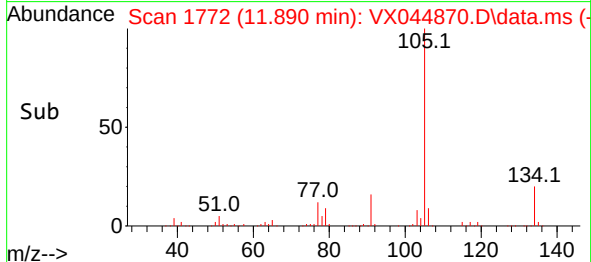
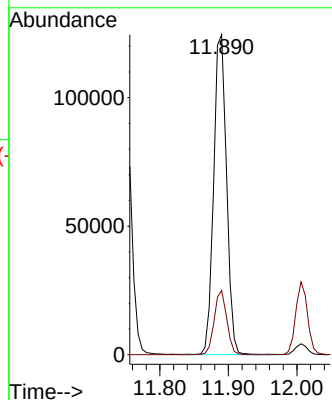
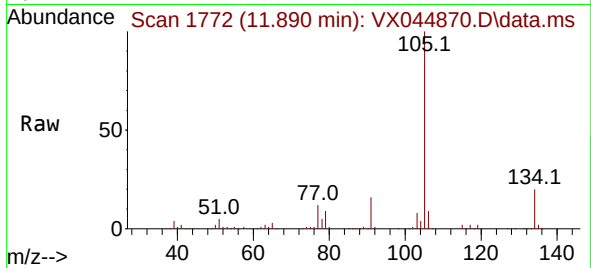




#85
sec-Butylbenzene
Concen: 21.607 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

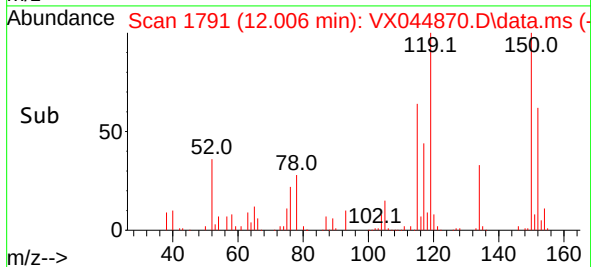
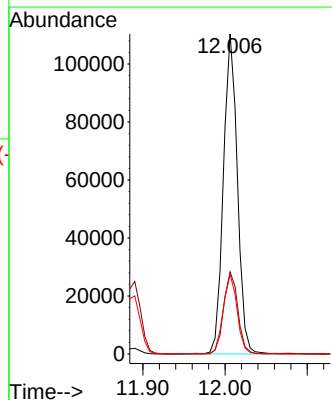
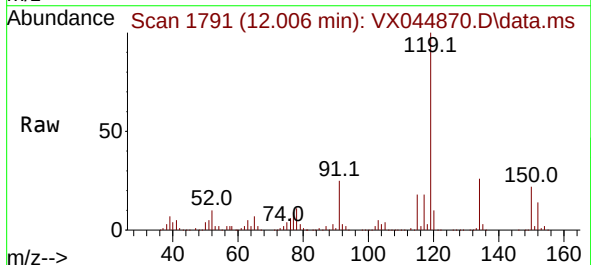
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

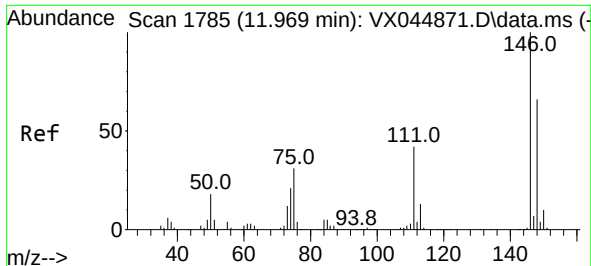
Tgt Ion:105 Resp: 162875
Ion Ratio Lower Upper
105 100
134 19.5 9.8 29.3



#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

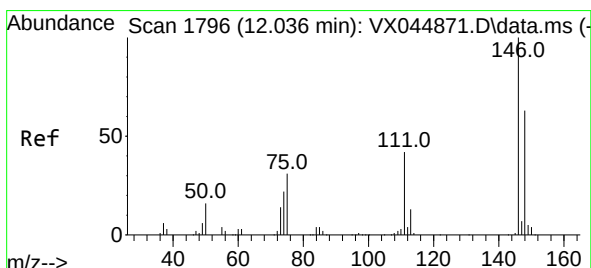
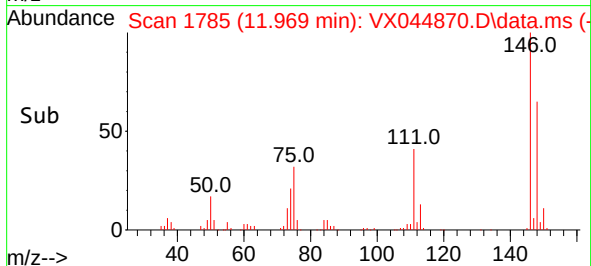
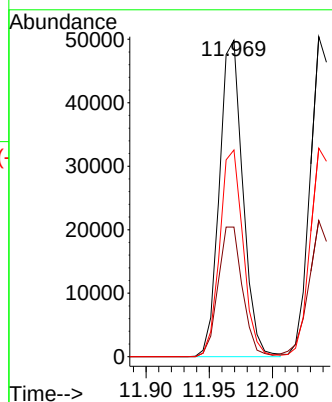
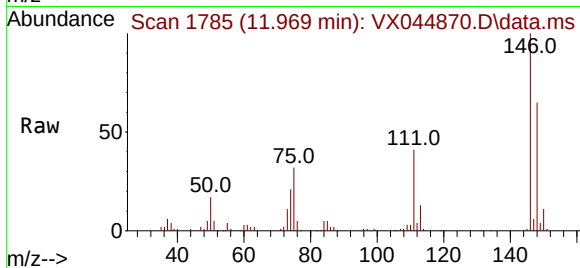
Tgt Ion:146 Resp: 64141

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

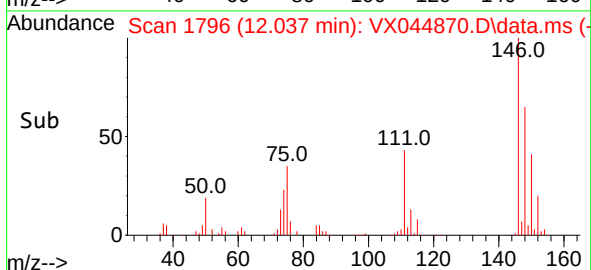
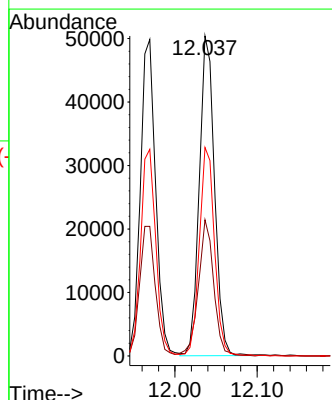
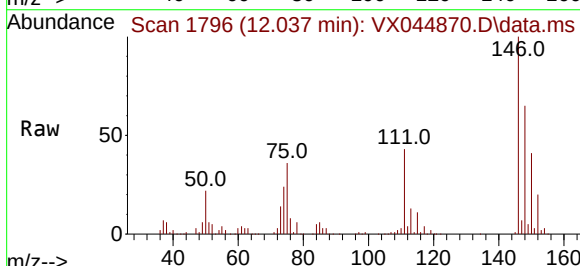
Tgt Ion:146 Resp: 64889

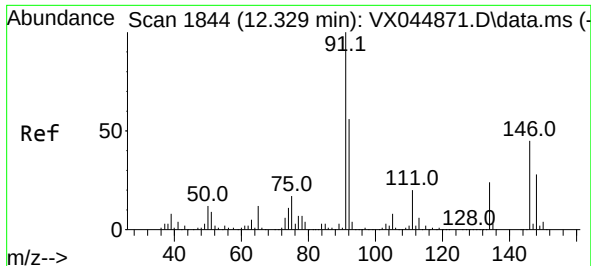
Ion Ratio Lower Upper

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

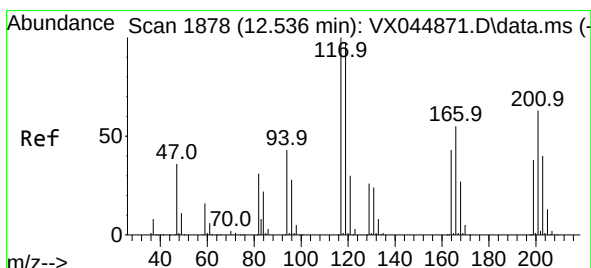
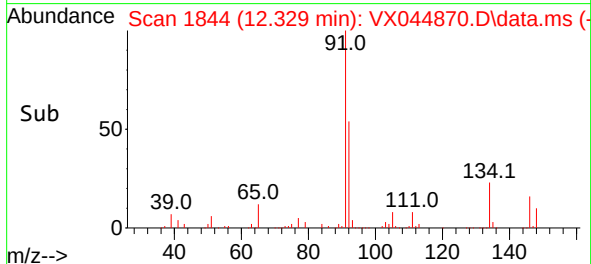
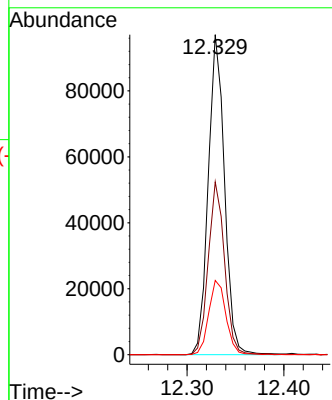
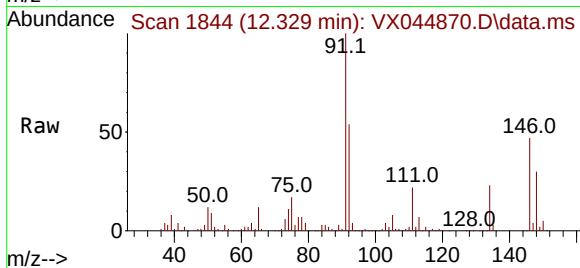
Tgt Ion: 91 Resp: 113705

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

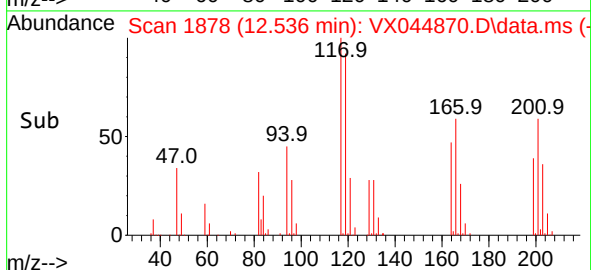
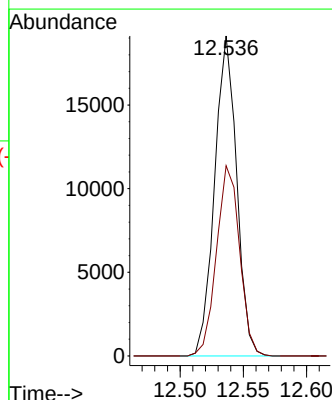
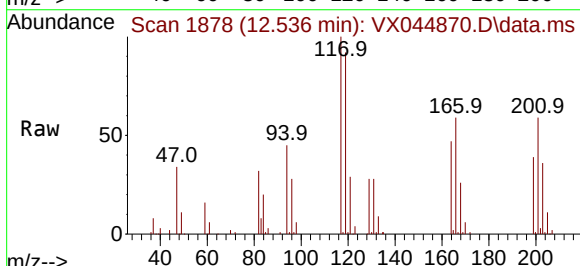
Acq: 10 Feb 2025 11:11

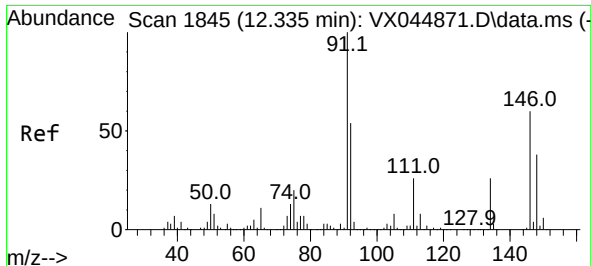
Tgt Ion: 117 Resp: 23153

Ion Ratio Lower Upper

117 100

201 62.4 32.5 97.5

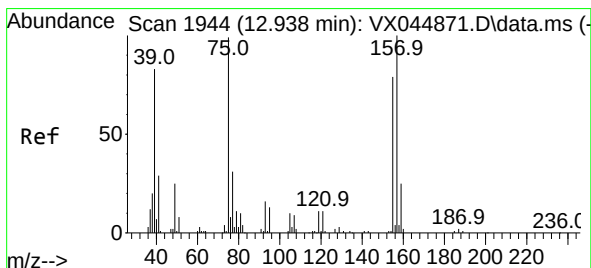
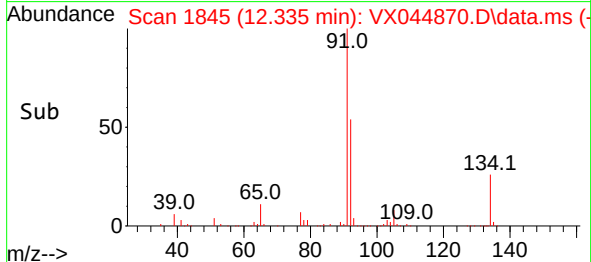
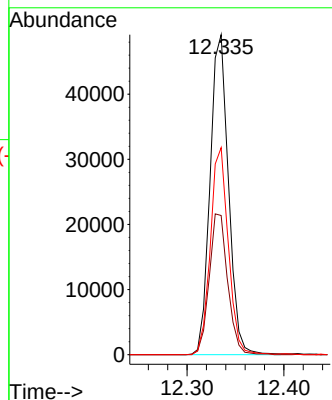
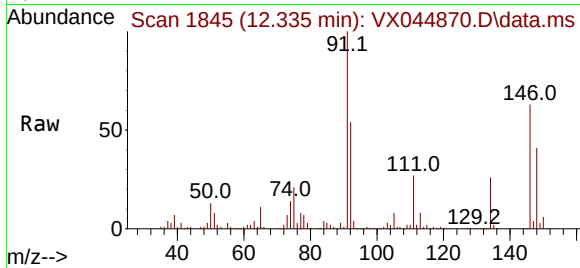




#91
1,2-Dichlorobenzene
Concen: 21.373 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

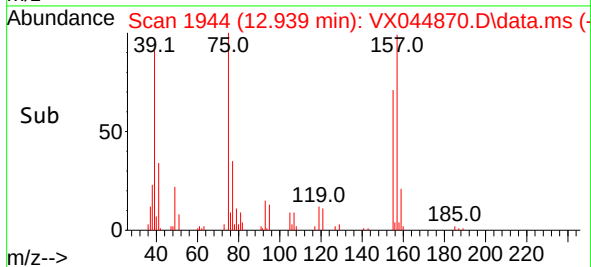
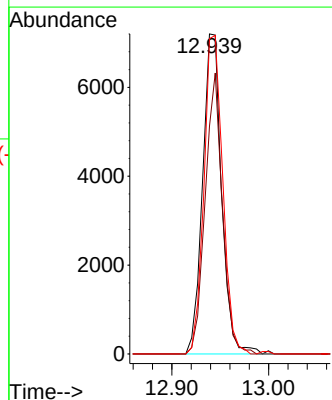
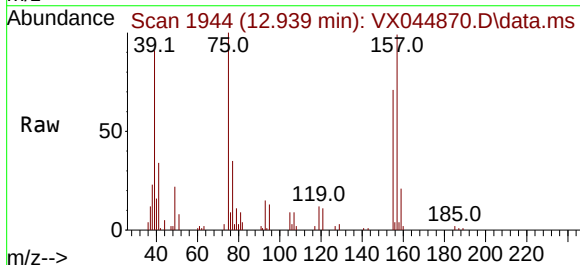
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

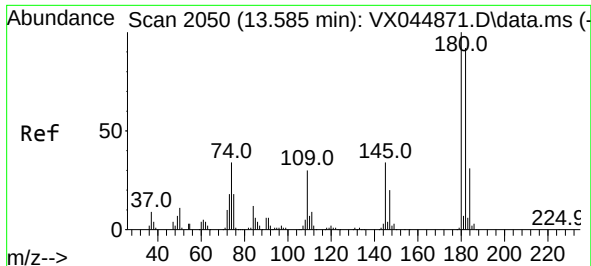
Tgt Ion:146 Resp: 64940
Ion Ratio Lower Upper
146 100
111 44.4 21.8 65.4
148 63.3 31.9 95.9



#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

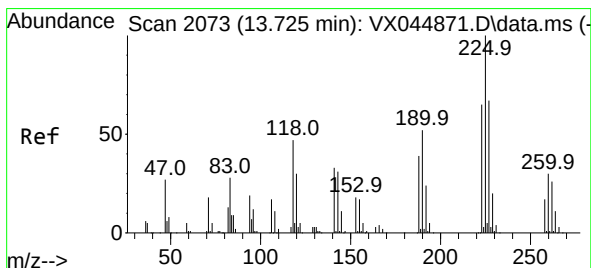
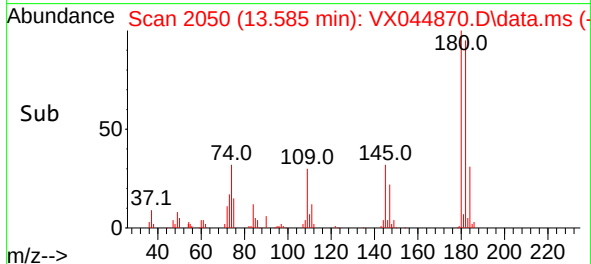
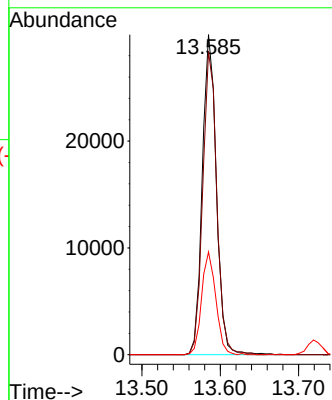
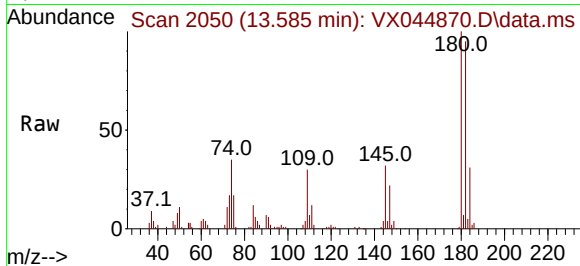




#93
1,2,4-Trichlorobenzene
Concen: 20.292 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

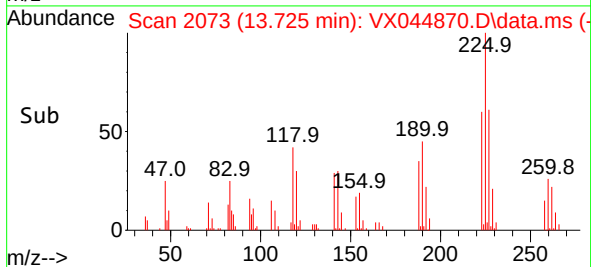
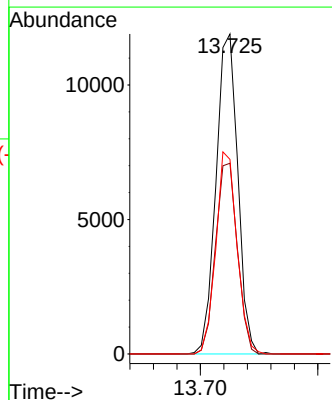
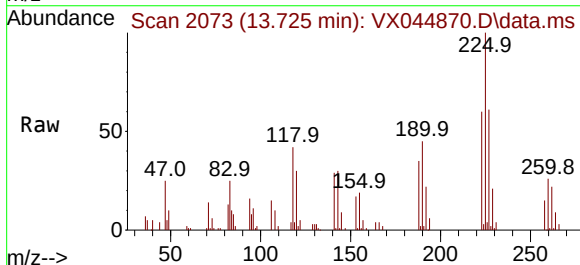
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

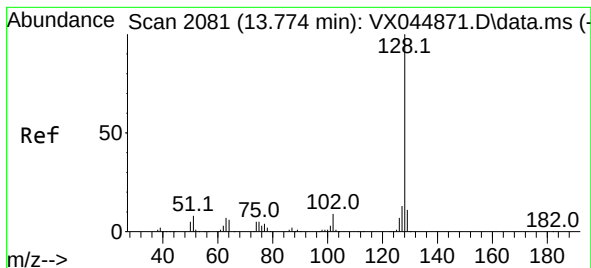
Tgt Ion:180 Resp: 37308
Ion Ratio Lower Upper
180 100
182 94.4 47.6 142.8
145 32.4 16.4 49.1



#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

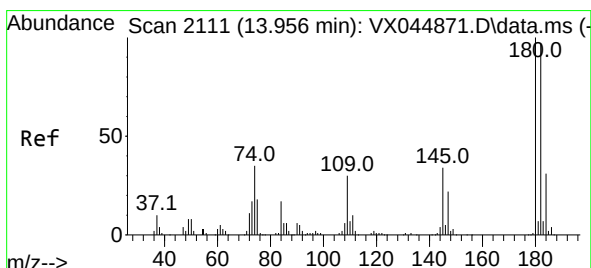
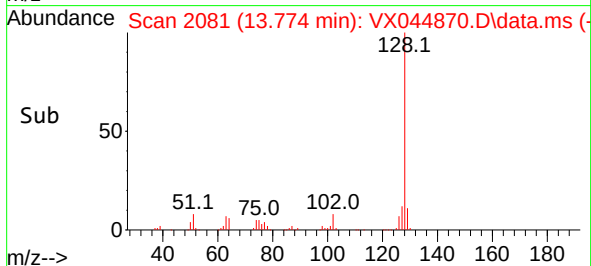
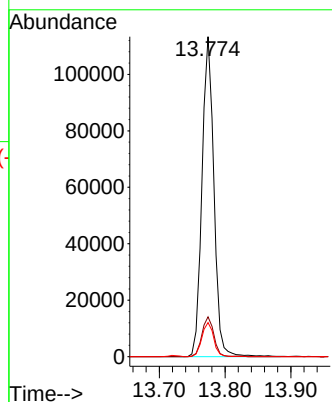
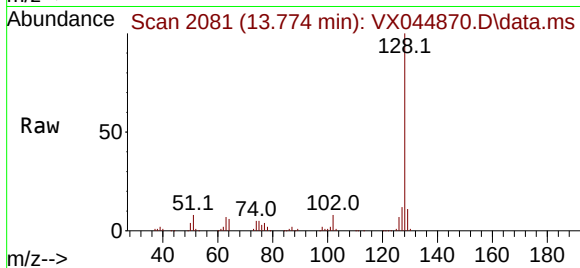
Tgt Ion:128 Resp: 142902

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

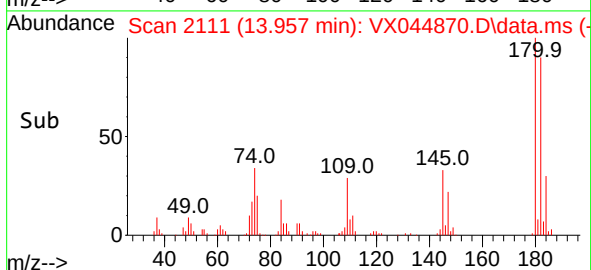
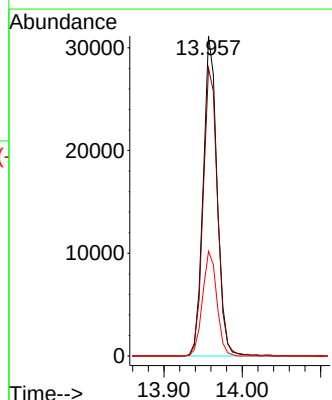
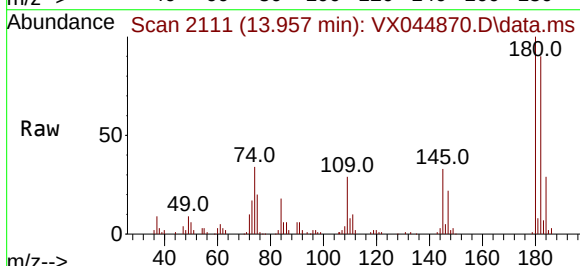
Tgt Ion:180 Resp: 38389

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\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)

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

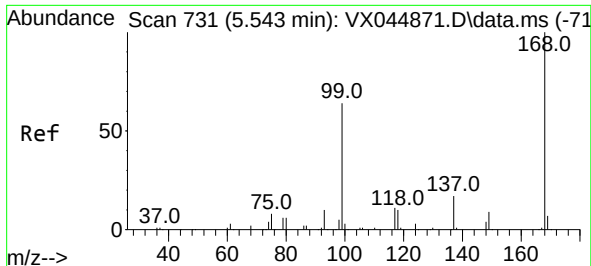
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Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

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

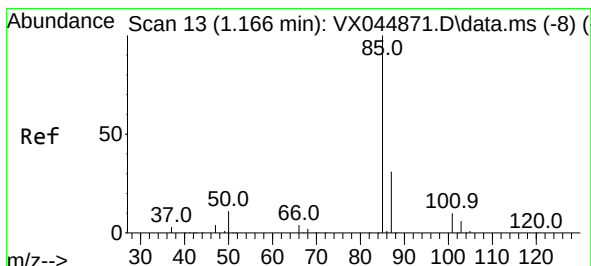
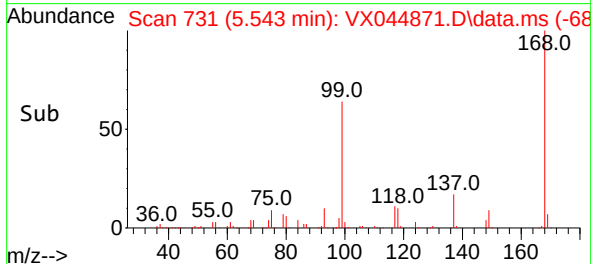
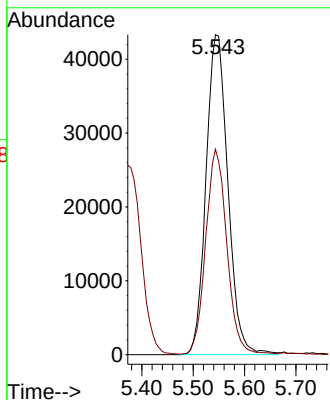
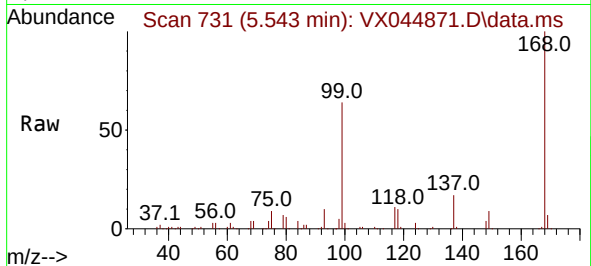




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

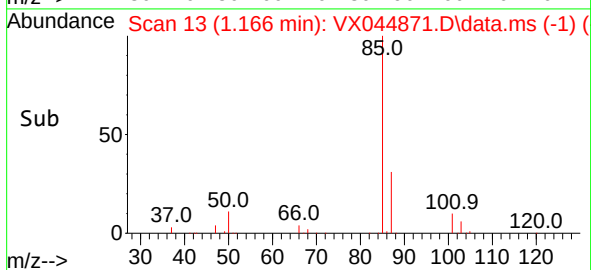
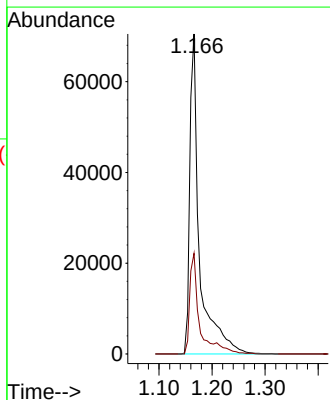
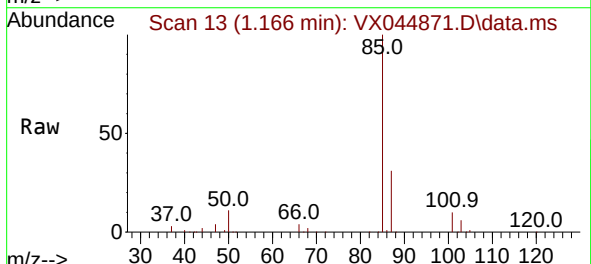
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

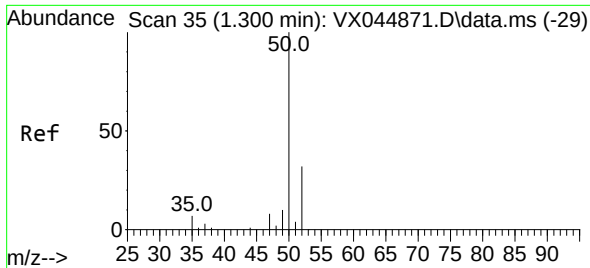
Tgt Ion:168 Resp: 127984
Ion Ratio Lower Upper
168 100
99 64.0 51.2 76.8



#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

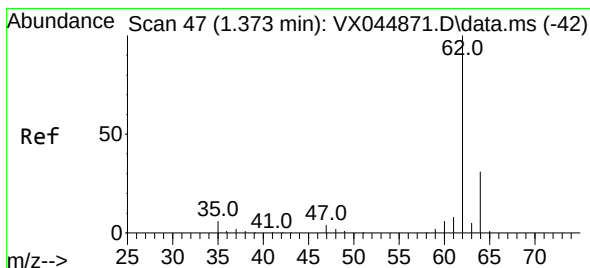
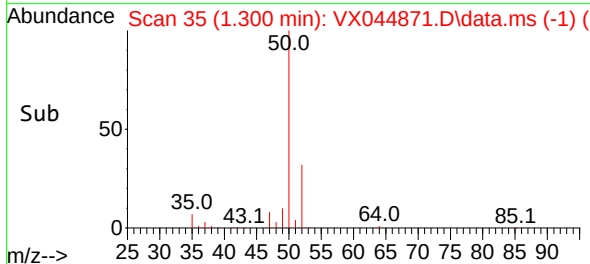
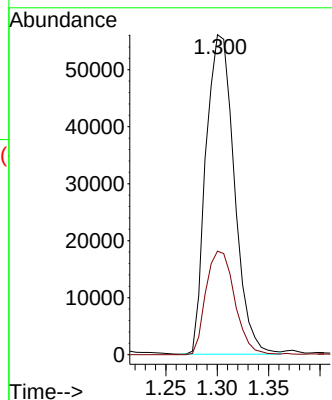
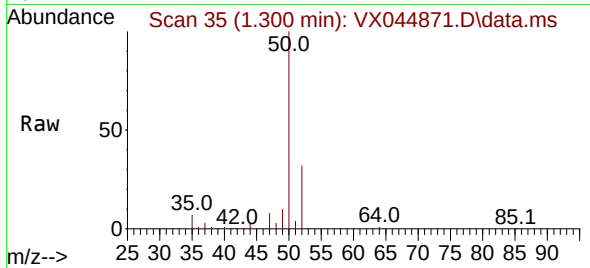




#3
Chloromethane
Concen: 49.359 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

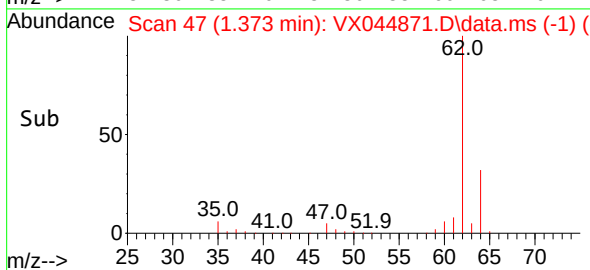
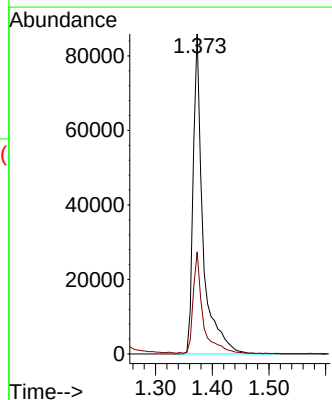
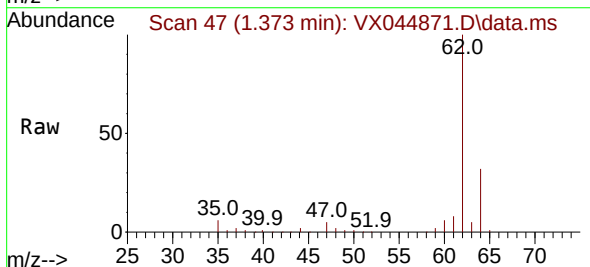
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ClientSampleId :
VSTDICCC050

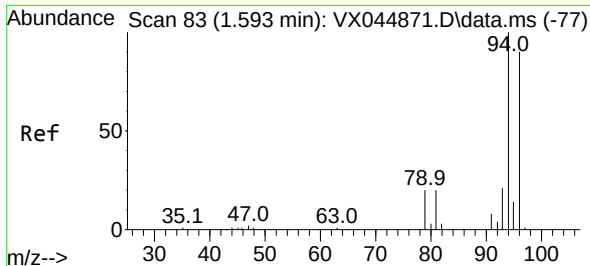
Tgt Ion: 50 Resp: 107836
Ion Ratio Lower Upper
50 100
52 32.4 25.9 38.9



#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

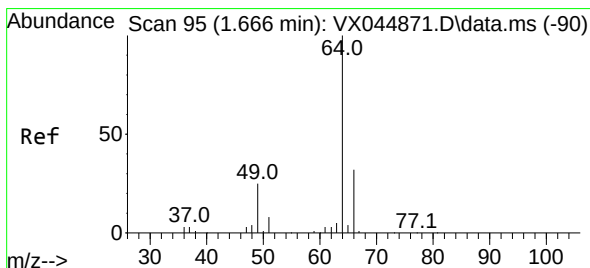
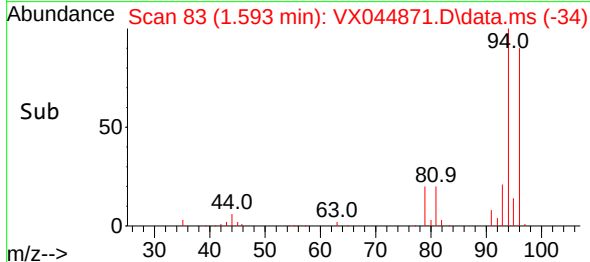
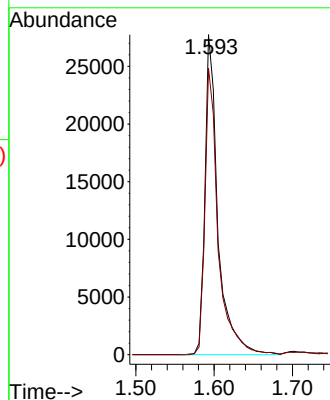
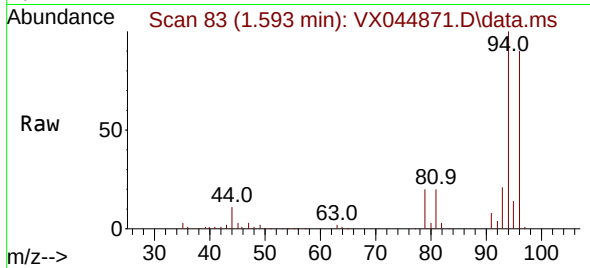




#5
Bromomethane
Concen: 50.345 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

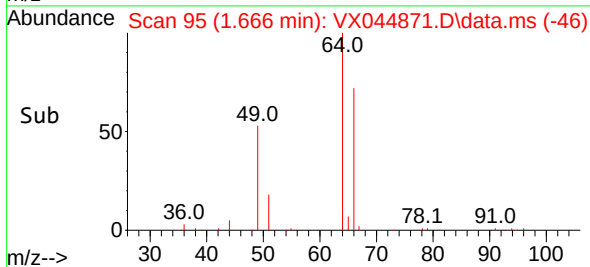
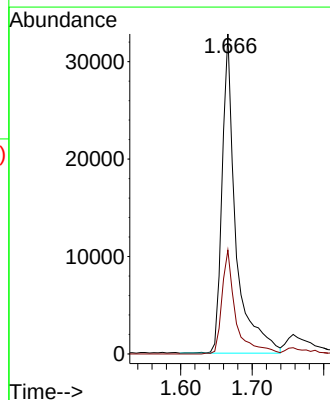
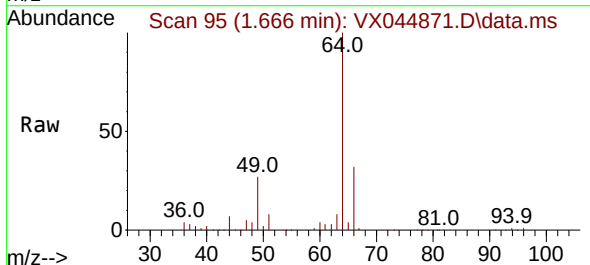
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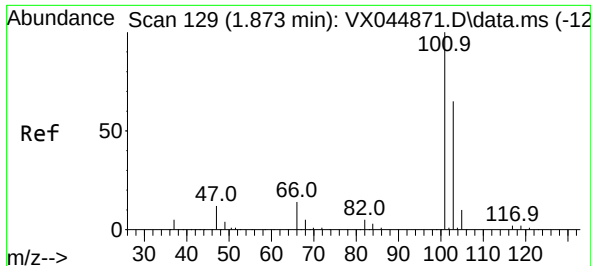
Tgt Ion: 94 Resp: 31886
Ion Ratio Lower Upper
94 100
96 89.5 71.6 107.4



#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

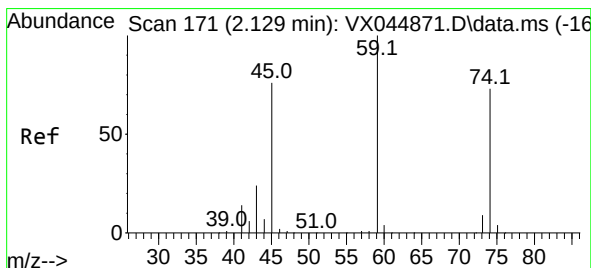
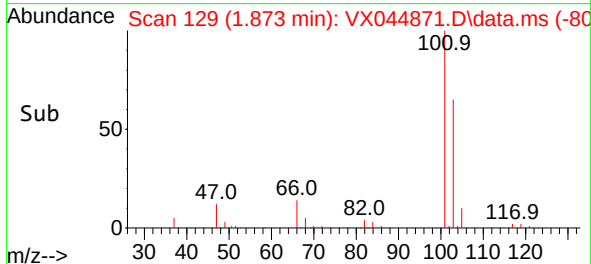
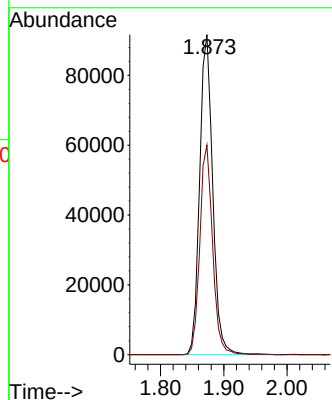
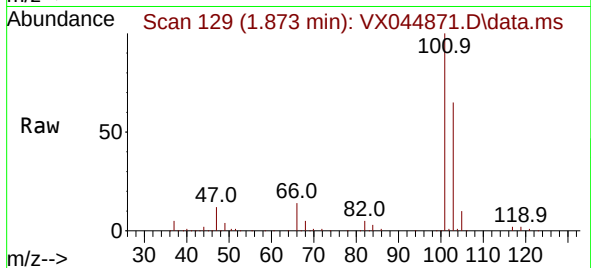




#7
Trichlorofluoromethane
Concen: 49.215 ug/l
RT: 1.873 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

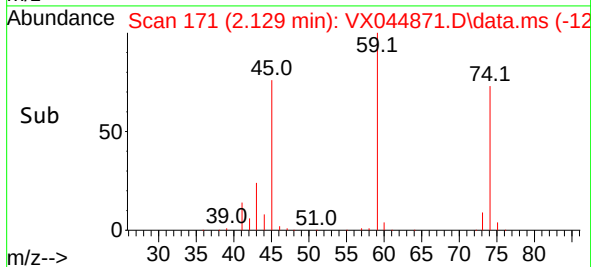
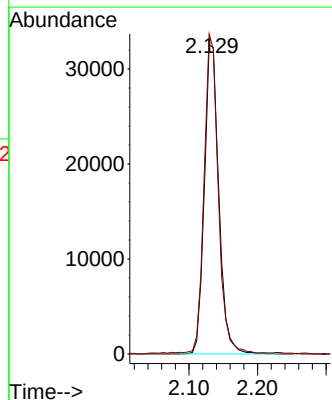
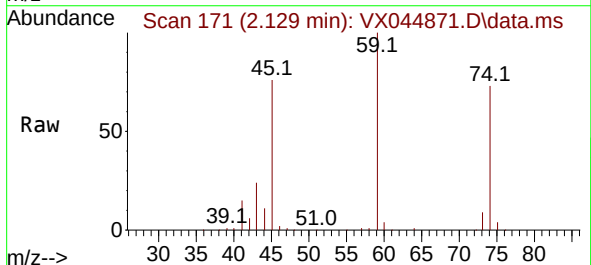
Instrument :
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ClientSampleId :
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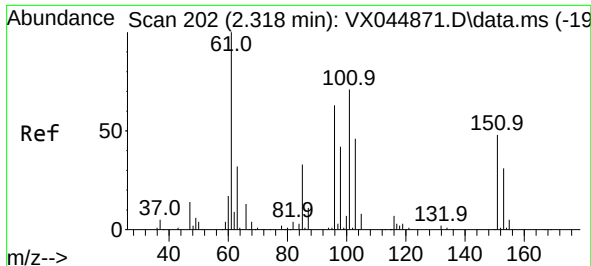
Tgt Ion:101 Resp: 131729
Ion Ratio Lower Upper
101 100
103 65.5 52.4 78.6



#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

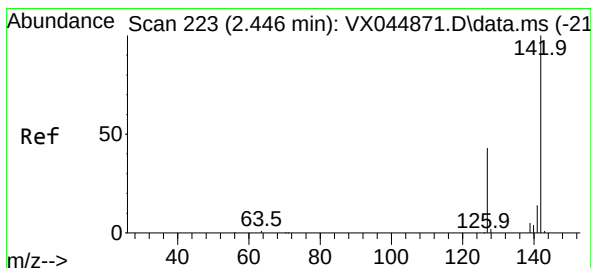
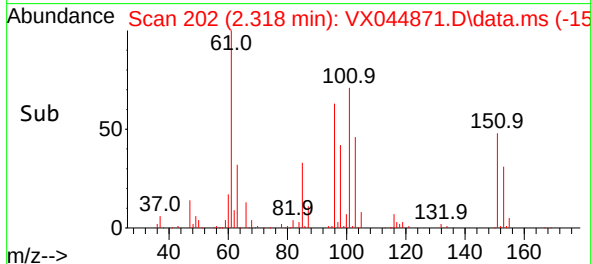
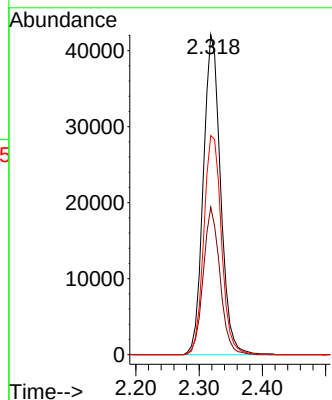
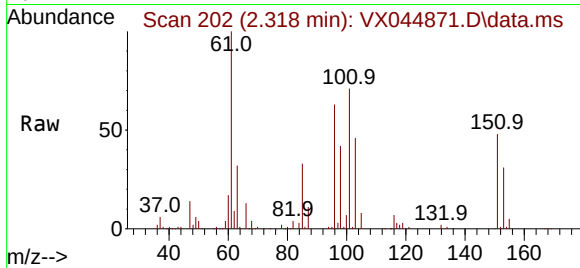




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.511 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

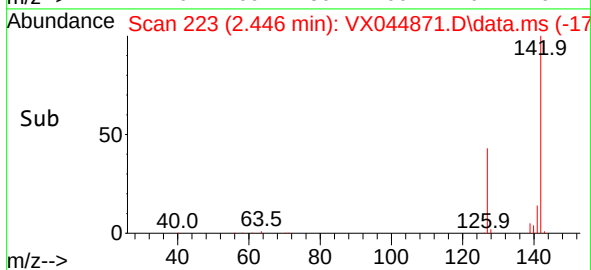
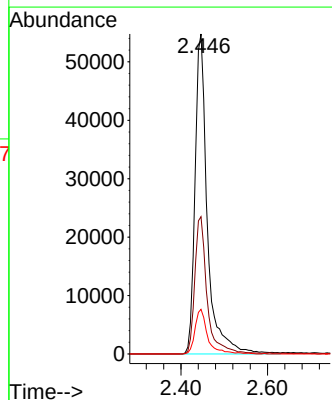
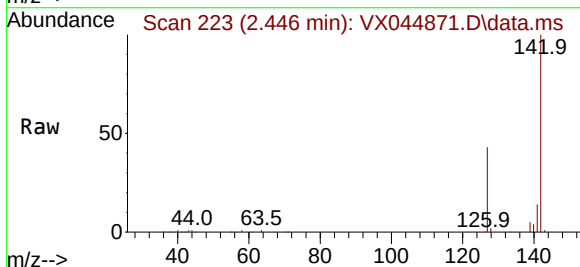
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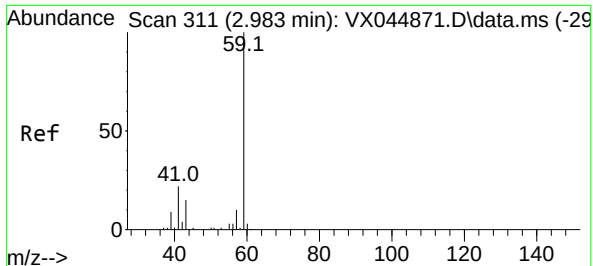
Tgt Ion:101 Resp: 80068
Ion Ratio Lower Upper
101 100
85 44.6 35.7 53.5
151 70.0 56.0 84.0



#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 :

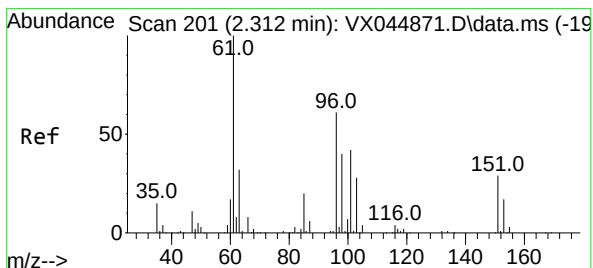
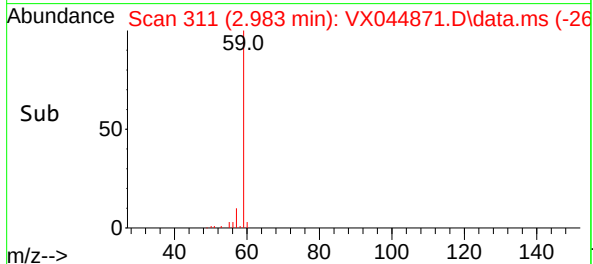
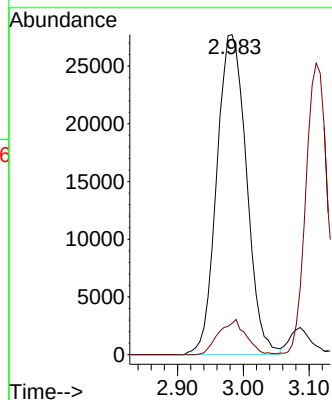
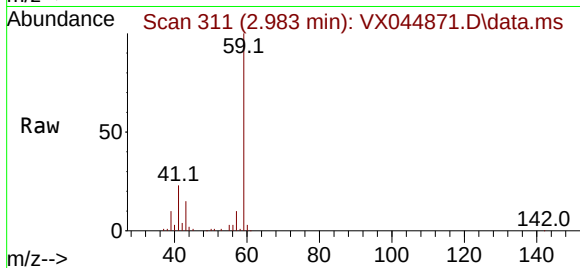
VSTDICCC050

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

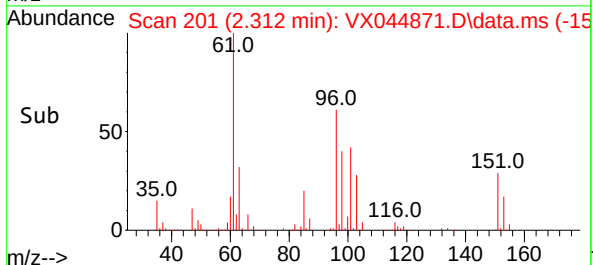
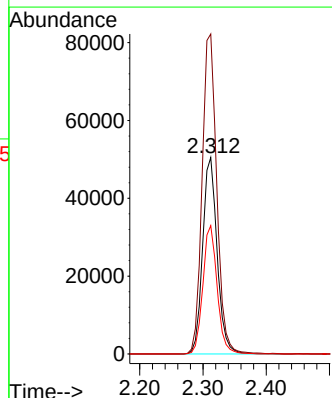
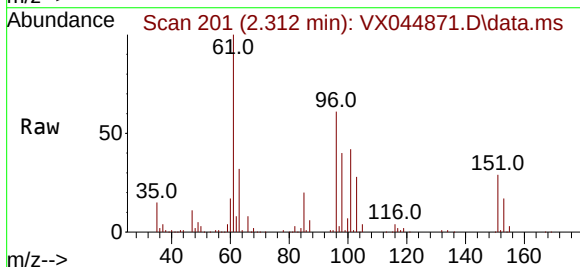
Tgt Ion: 96 Resp: 80672

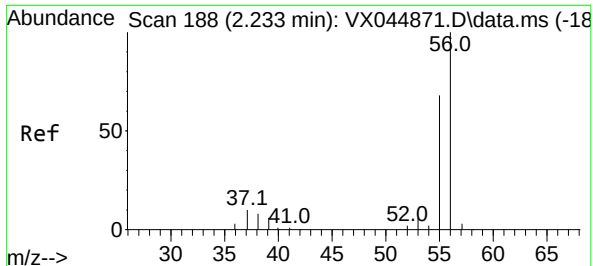
Ion Ratio Lower Upper

96 100

61 162.8 130.2 195.4

98 65.3 52.2 78.4

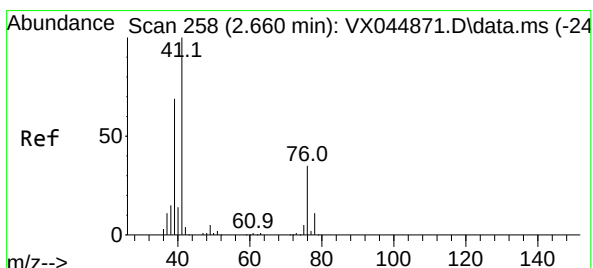
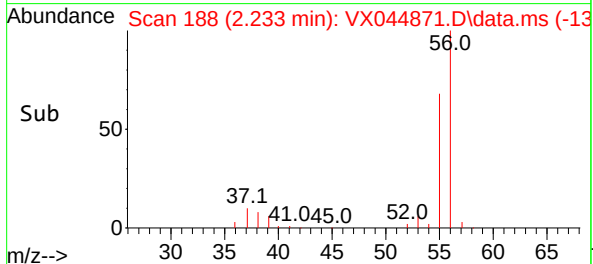
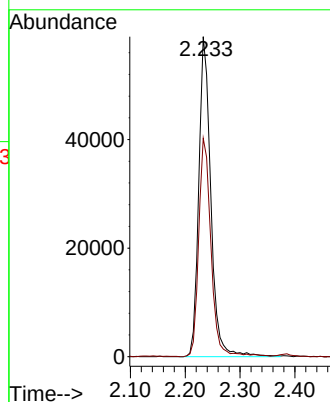
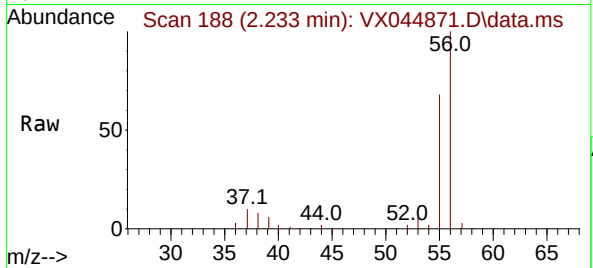




#13
Acrolein
Concen: 252.426 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

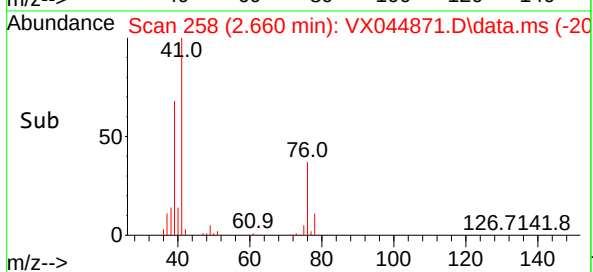
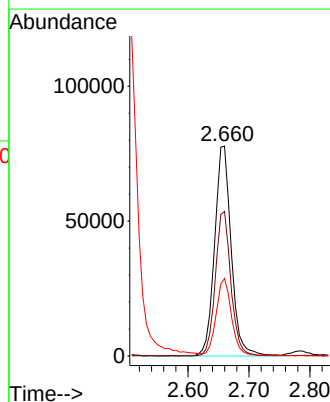
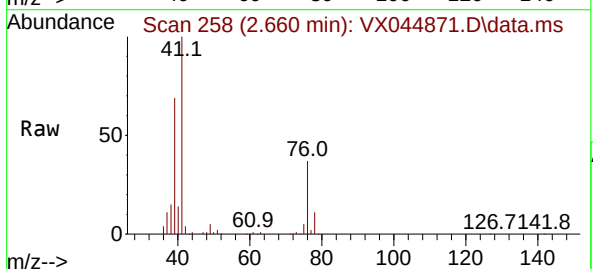
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ClientSampleId :
VSTDICCC050

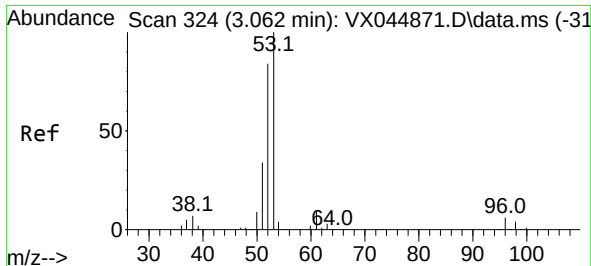
Tgt Ion: 56 Resp: 90518
Ion Ratio Lower Upper
56 100
55 69.6 55.7 83.5



#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

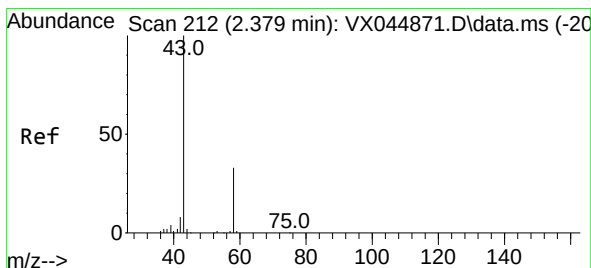
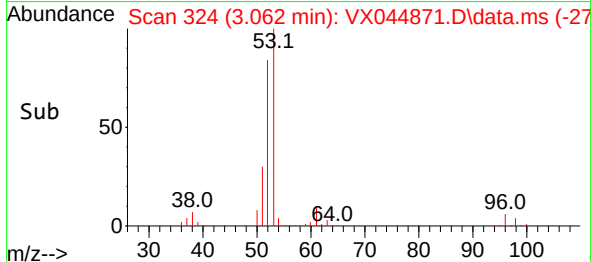
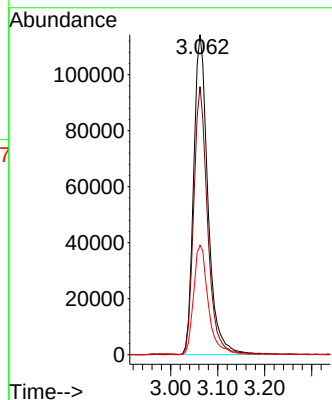
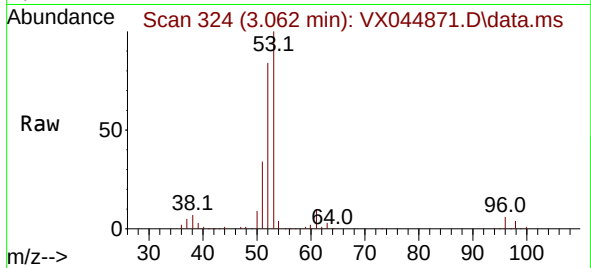
Tgt Ion: 53 Resp: 242268

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

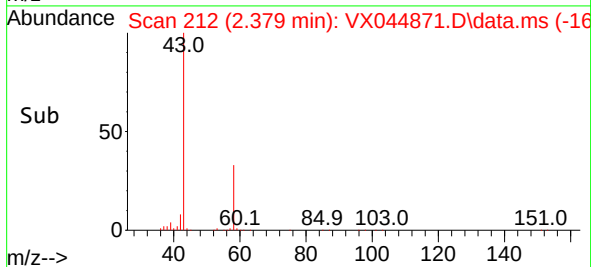
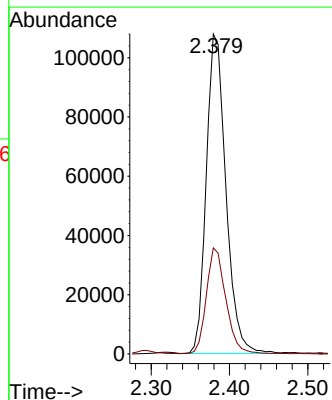
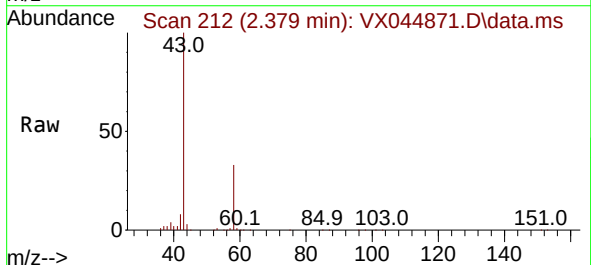
Acq: 10 Feb 2025 11:34

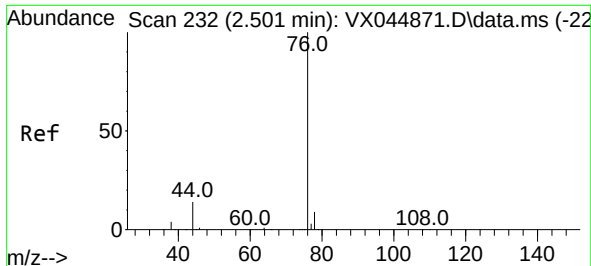
Tgt Ion: 43 Resp: 187739

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# 21

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

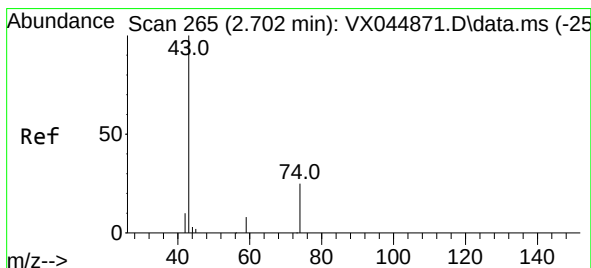
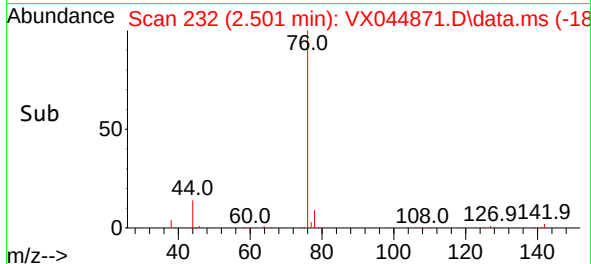
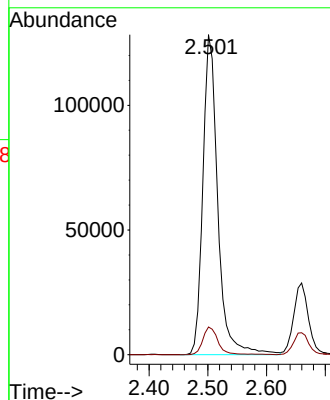
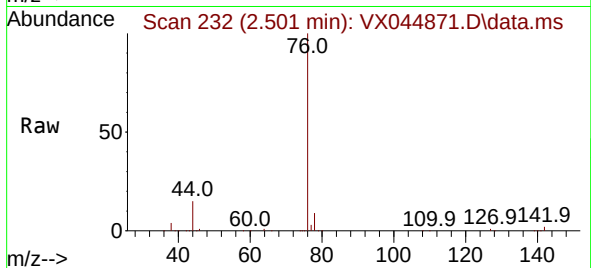
VSTDICCC050

Tgt Ion: 76 Resp: 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

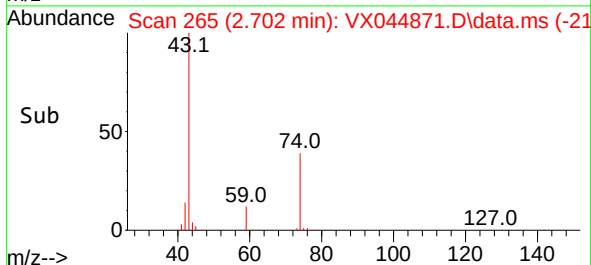
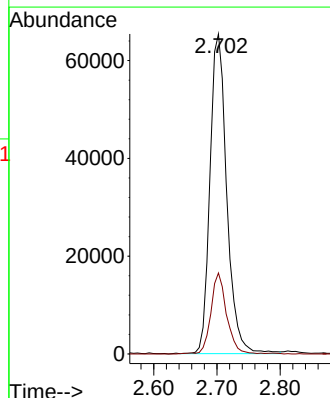
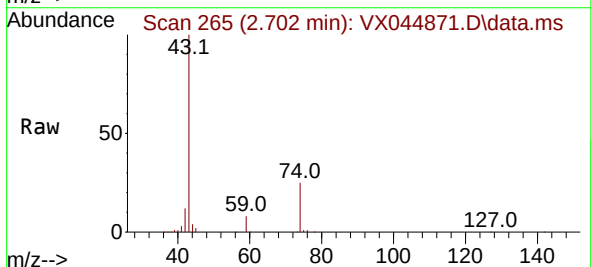
Acq: 10 Feb 2025 11:34

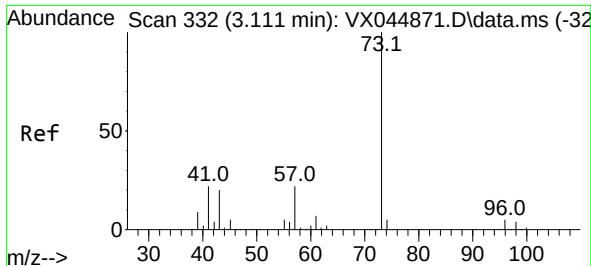
Tgt Ion: 43 Resp: 121039

Ion Ratio Lower Upper

43 100

74 23.6 18.9 28.3

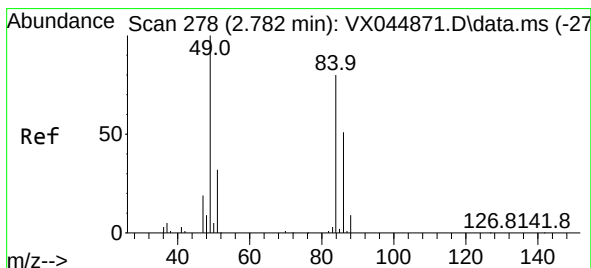
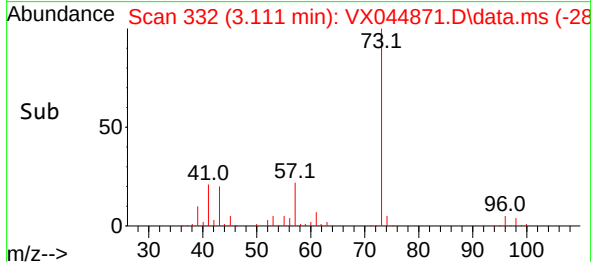
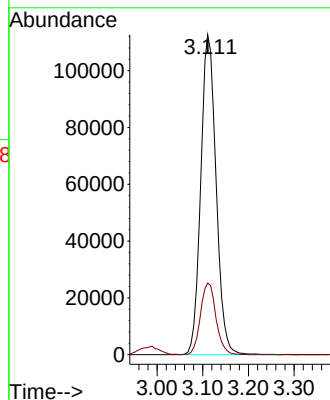
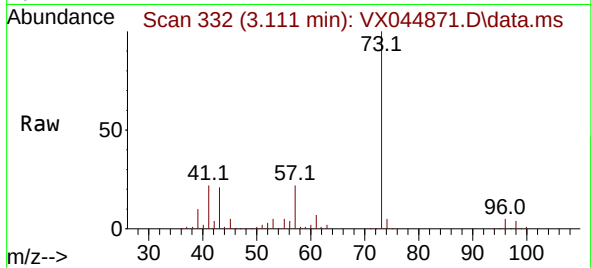




#19
Methyl tert-butyl Ether
Concen: 49.890 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

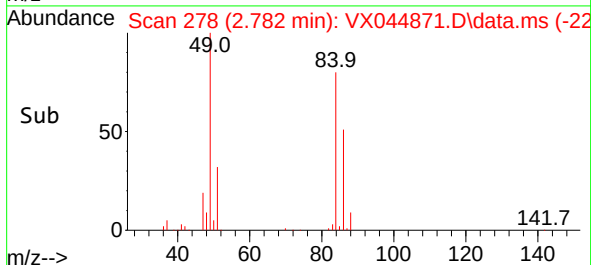
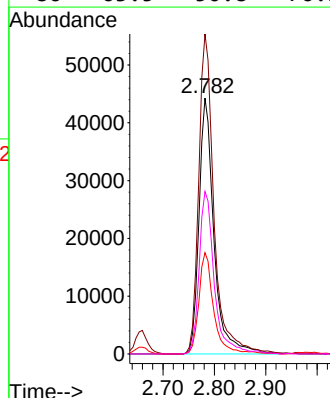
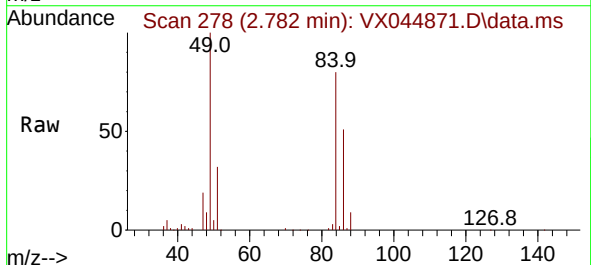
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

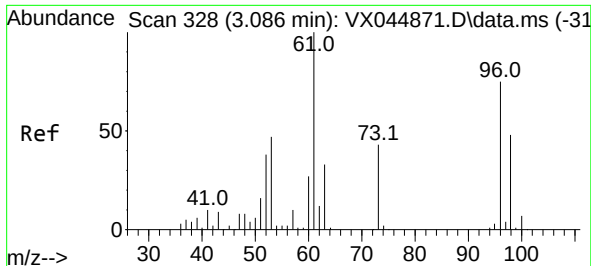
Tgt Ion: 73 Resp: 261852
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9



#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

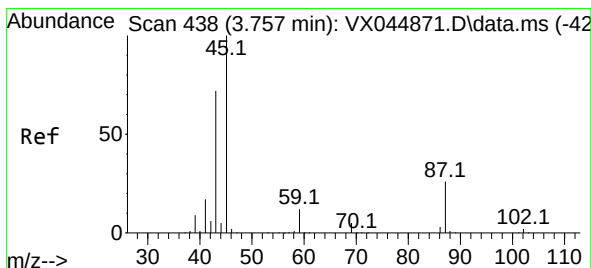
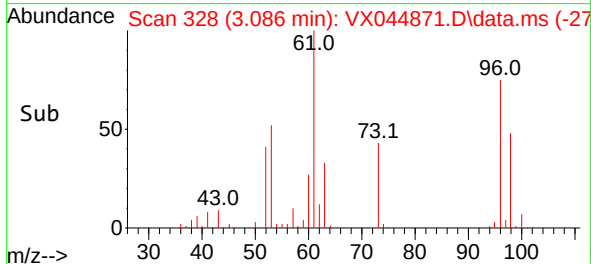
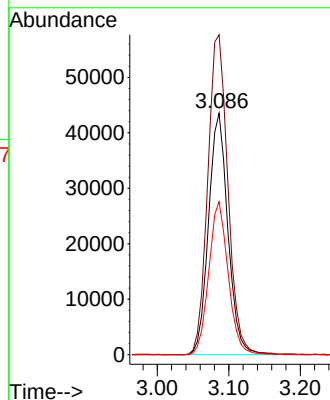
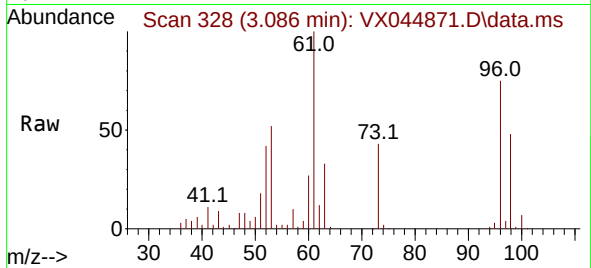




#21
trans-1,2-Dichloroethene
Concen: 50.475 ug/l
RT: 3.086 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

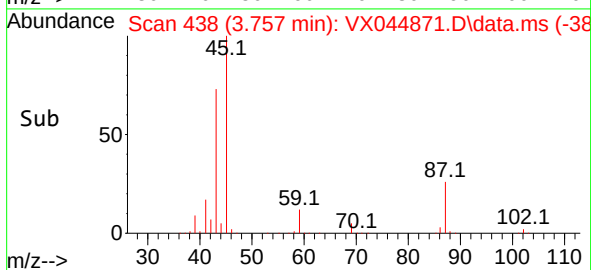
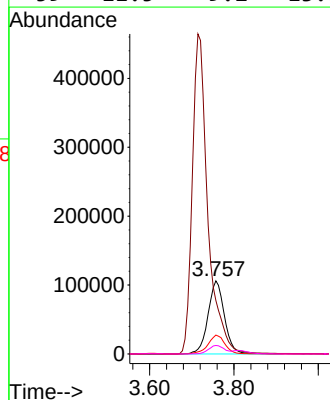
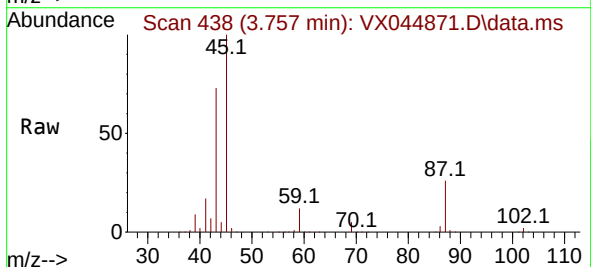
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

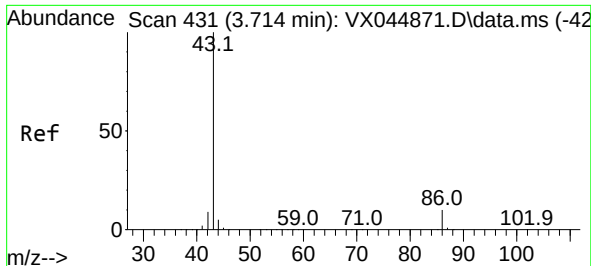
Tgt Ion: 96 Resp: 81950
Ion Ratio Lower Upper
96 100
61 132.5 106.0 159.0
98 63.3 50.6 76.0



#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

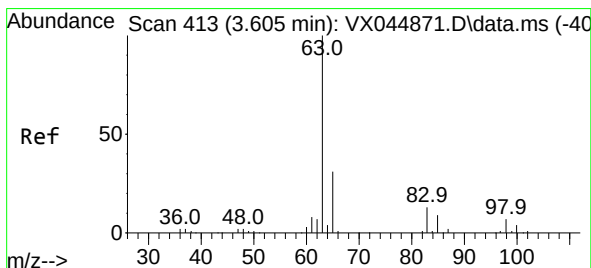
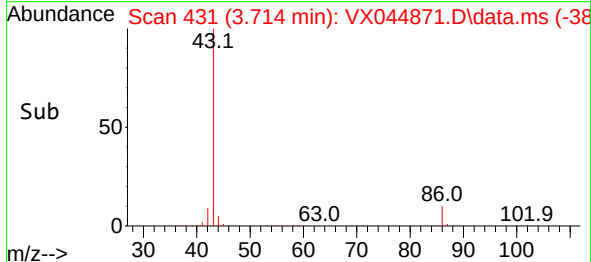
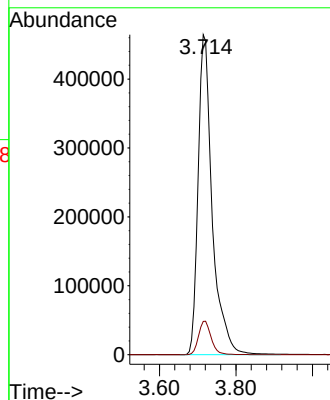
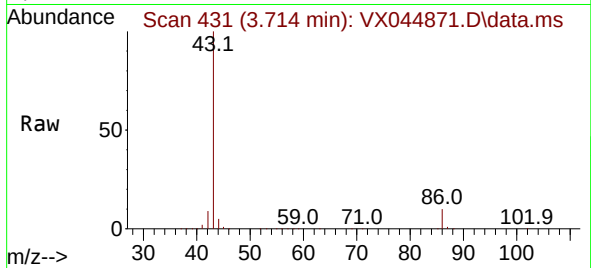




#23
 Vinyl Acetate
 Concen: 258.830 ug/l
 RT: 3.714 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

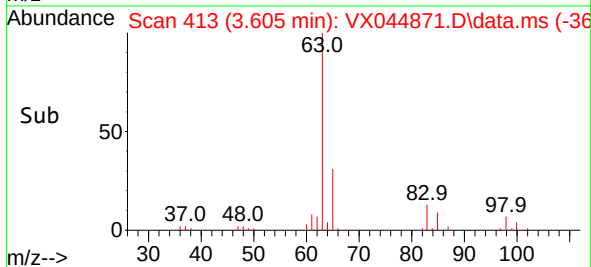
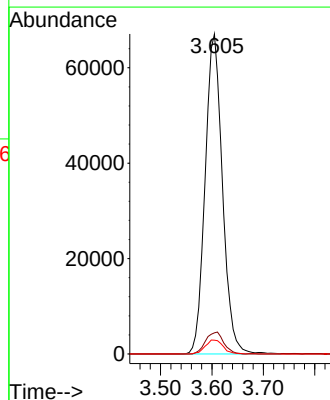
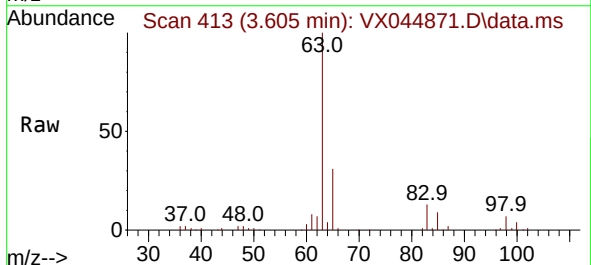
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

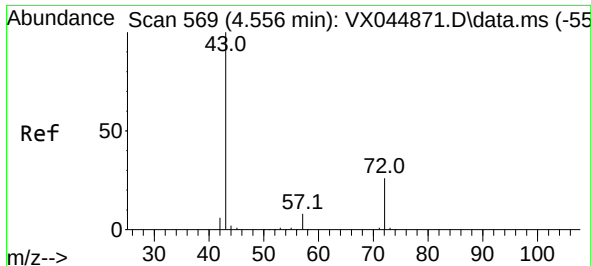
Tgt Ion: 43 Resp: 1190152
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5



#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

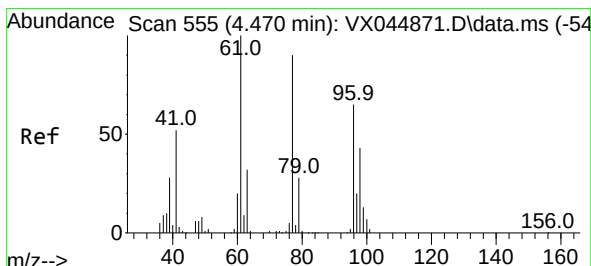
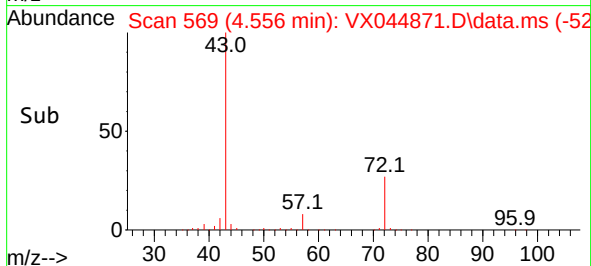
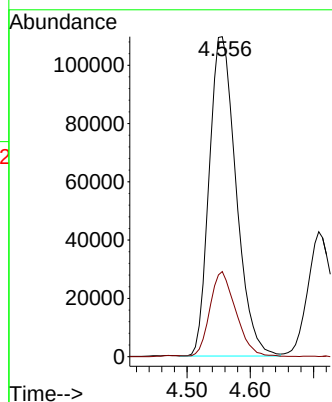
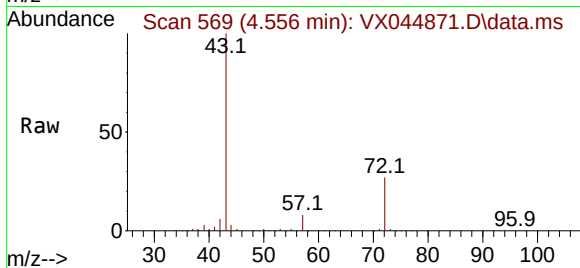




#25
2-Butanone
Concen: 264.528 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

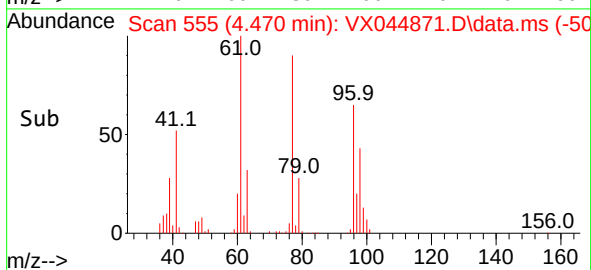
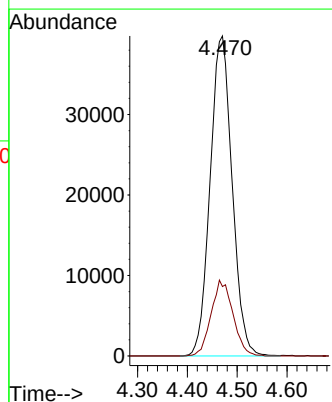
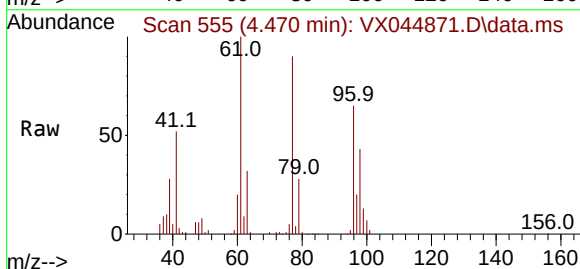
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

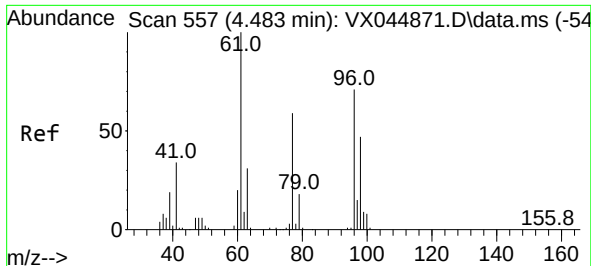
Tgt Ion: 43 Resp: 323510
Ion Ratio Lower Upper
43 100
72 26.5 21.2 31.8



#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# 557

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

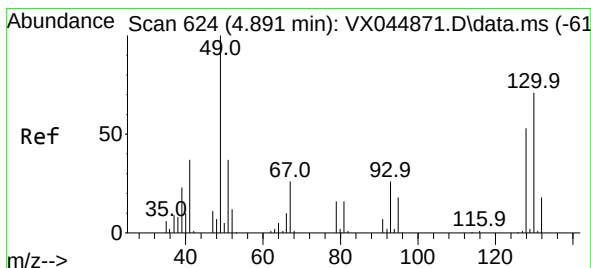
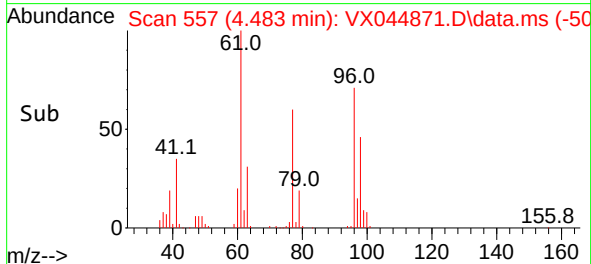
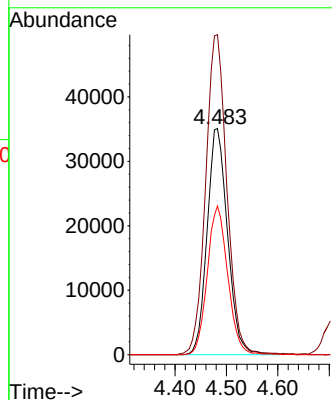
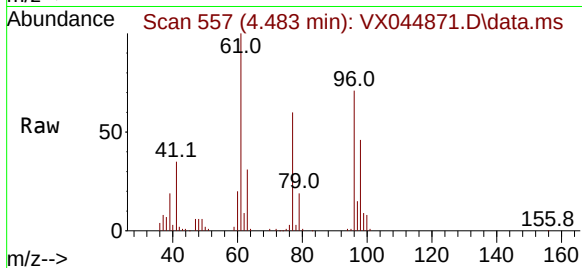
Tgt Ion: 96 Resp: 96965

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

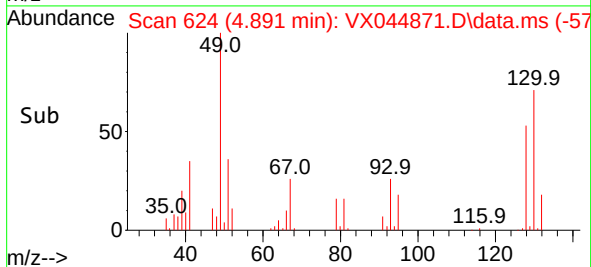
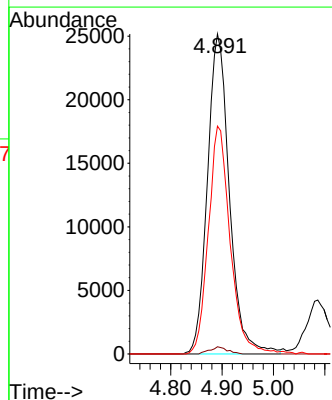
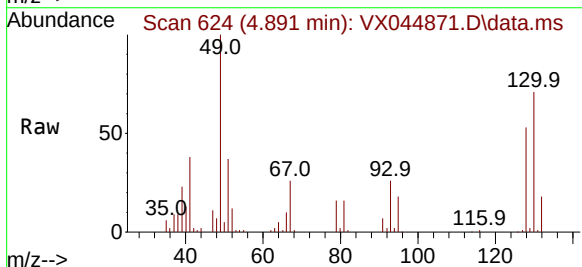
Tgt Ion: 49 Resp: 74707

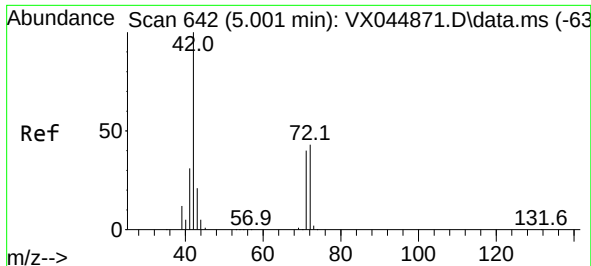
Ion Ratio Lower Upper

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

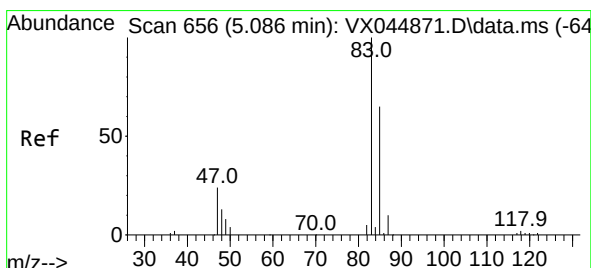
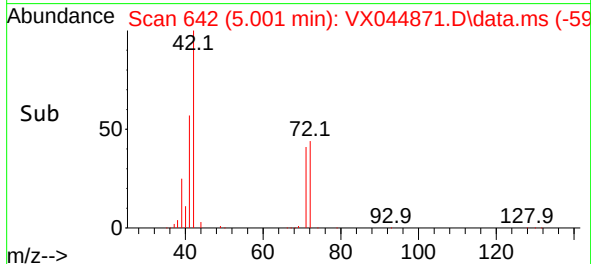
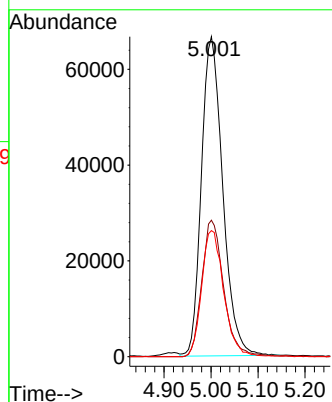
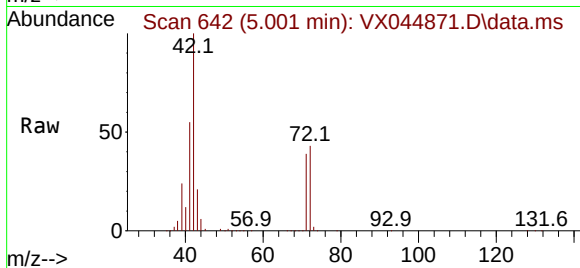
Tgt Ion: 42 Resp: 210414

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

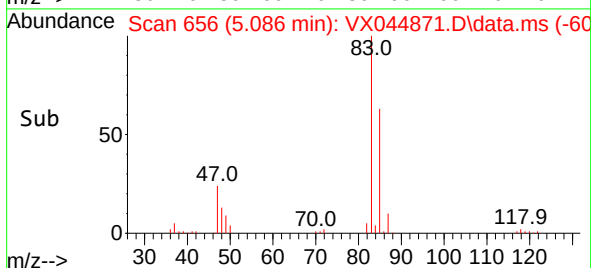
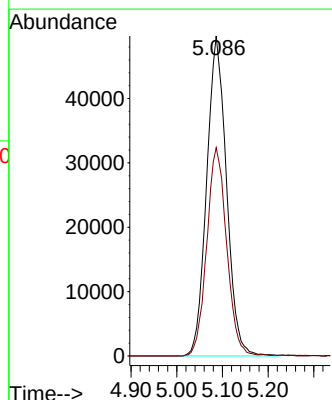
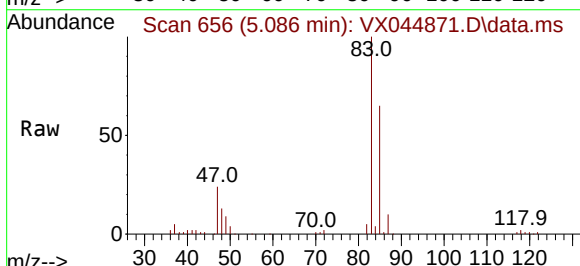
Acq: 10 Feb 2025 11:34

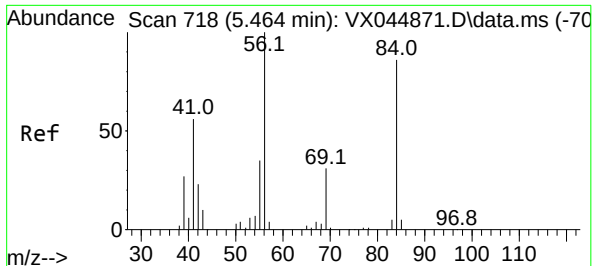
Tgt Ion: 83 Resp: 149581

Ion Ratio Lower Upper

83 100

85 65.1 52.1 78.1

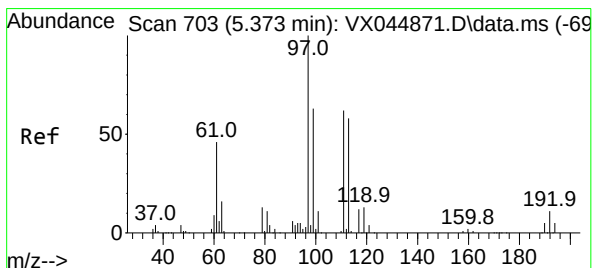
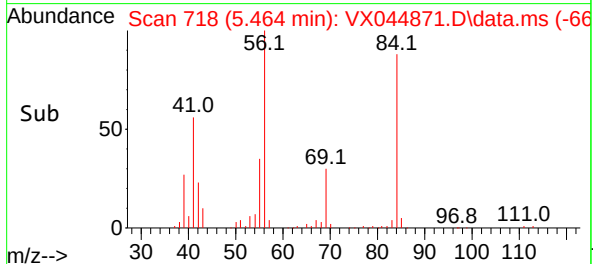
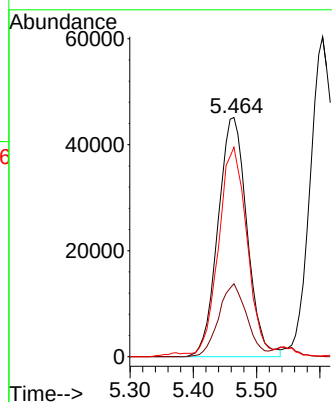
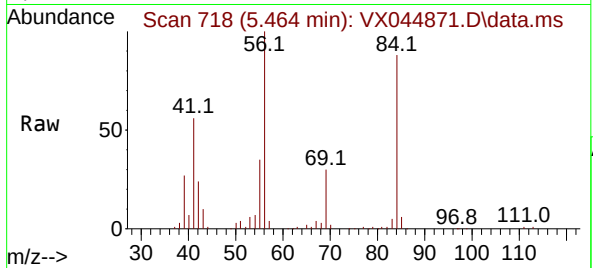




#31
Cyclohexane
Concen: 49.322 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

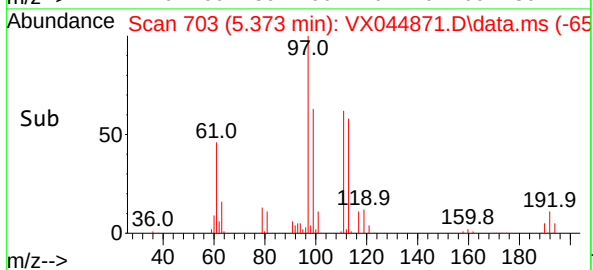
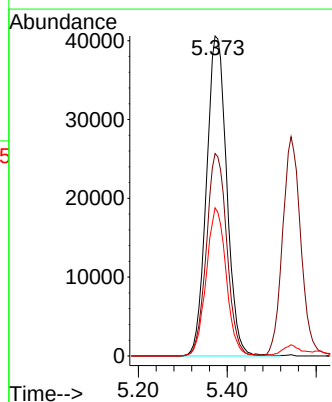
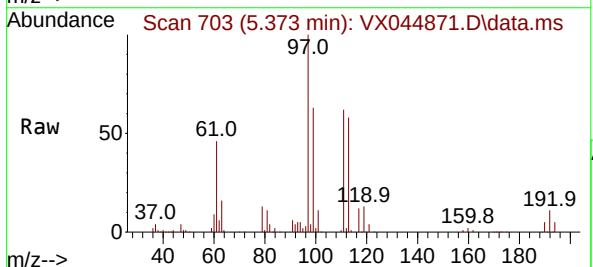
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

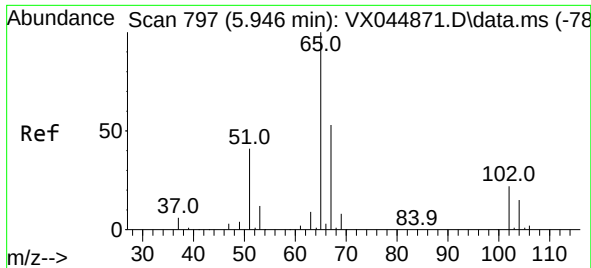
Tgt Ion: 56 Resp: 143500
Ion Ratio Lower Upper
56 100
69 30.5 24.4 36.6
84 86.3 69.0 103.6



#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

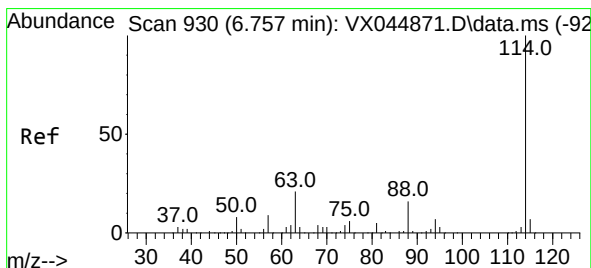
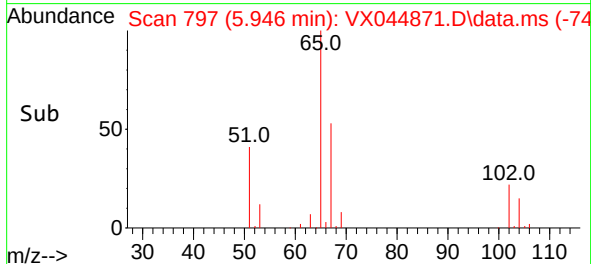
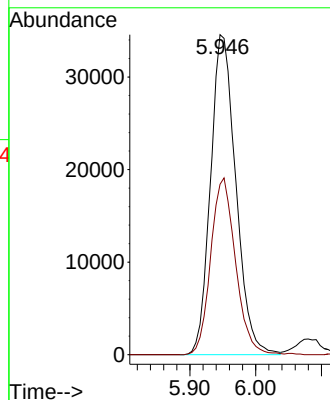
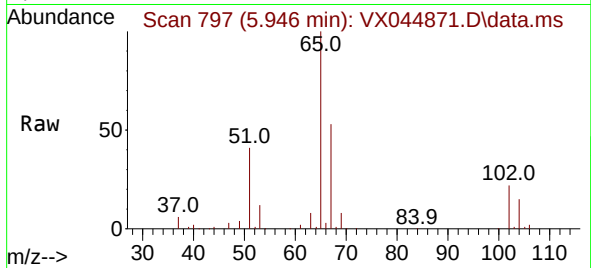




#33
 1,2-Dichloroethane-d4
 Concen: 49.424 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

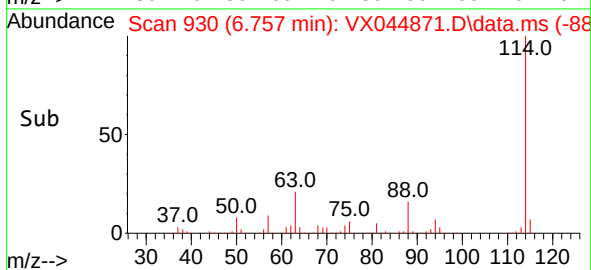
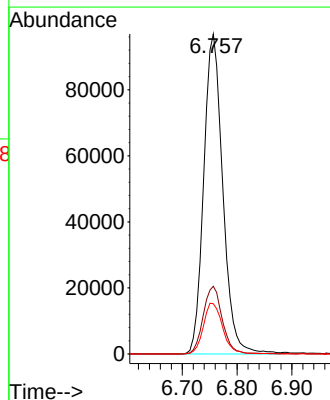
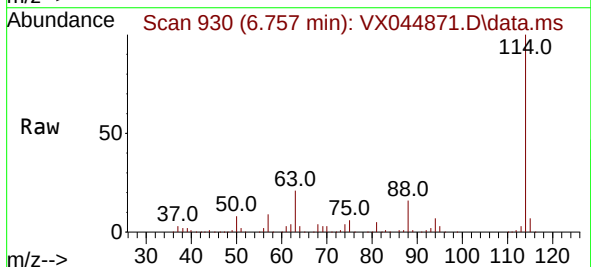
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

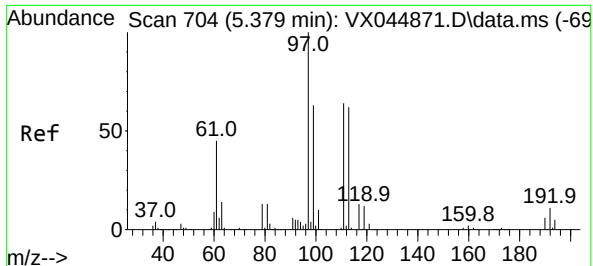
Tgt Ion: 65 Resp: 92593
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.2



#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

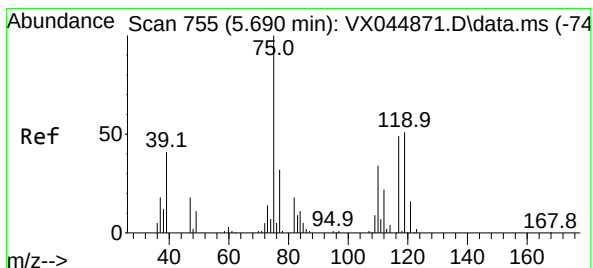
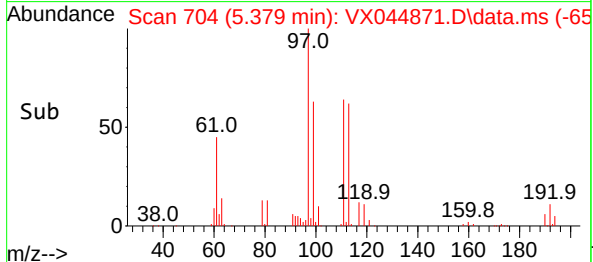
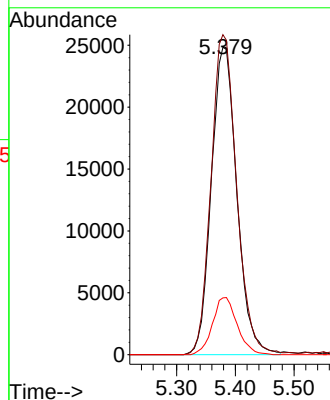
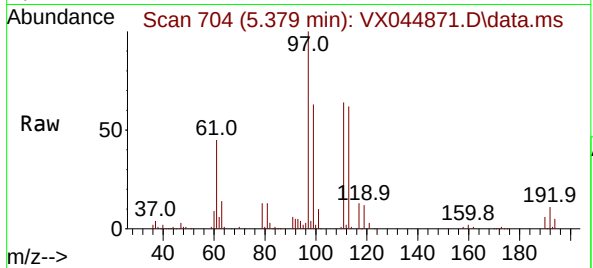




#35
Dibromofluoromethane
Concen: 49.291 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

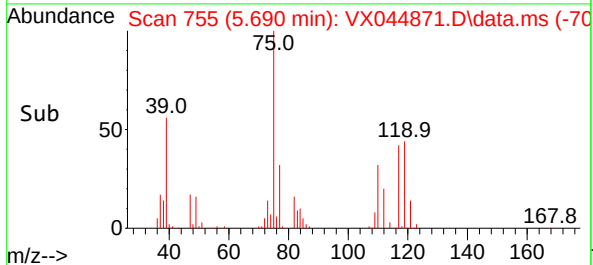
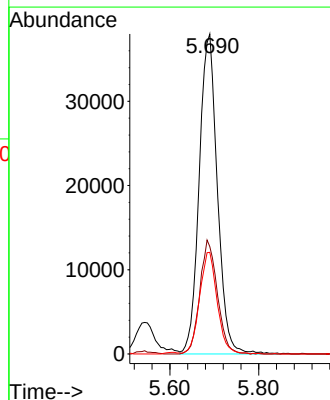
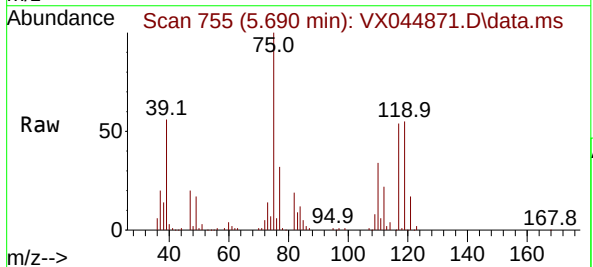
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

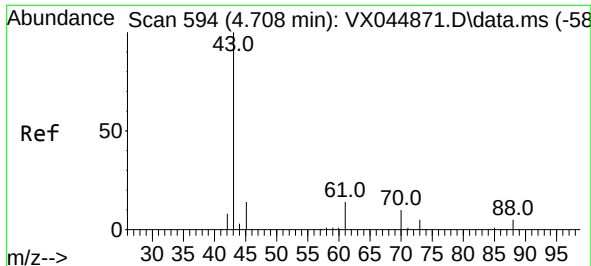
Tgt Ion:113 Resp: 74906
Ion Ratio Lower Upper
113 100
111 104.4 83.5 125.3
192 18.0 14.4 21.6



#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

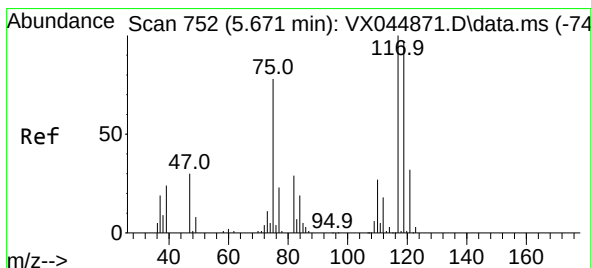
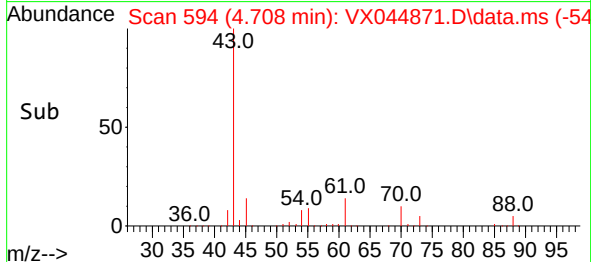
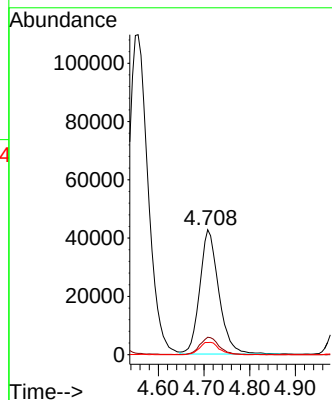
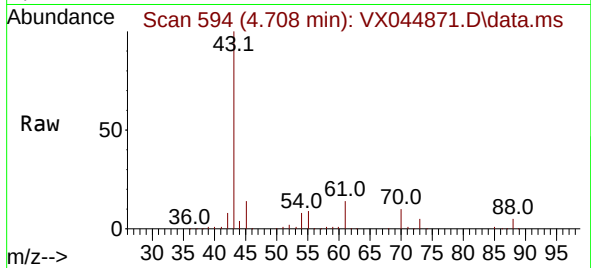




#37
Ethyl Acetate
Concen: 50.535 ug/l
RT: 4.708 min Scan# 594
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

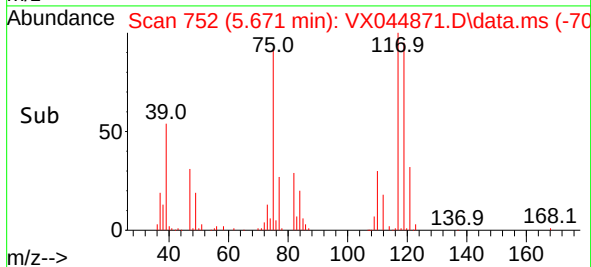
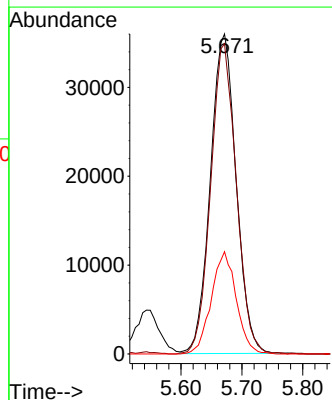
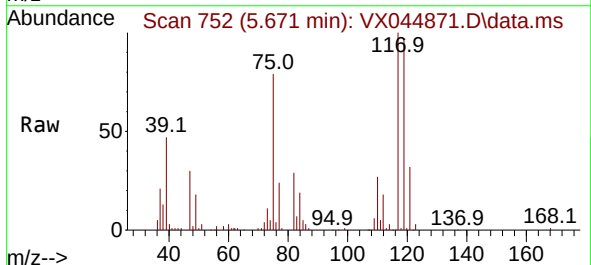
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

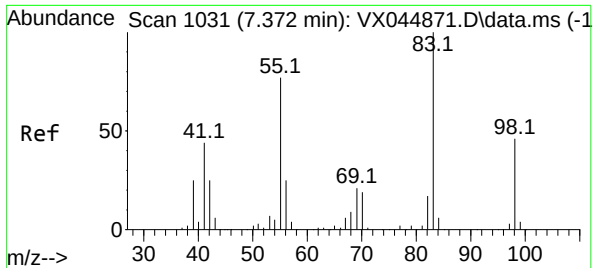
Tgt Ion: 43 Resp: 123238
Ion Ratio Lower Upper
43 100
61 13.7 11.0 16.4
70 10.2 8.2 12.2



#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

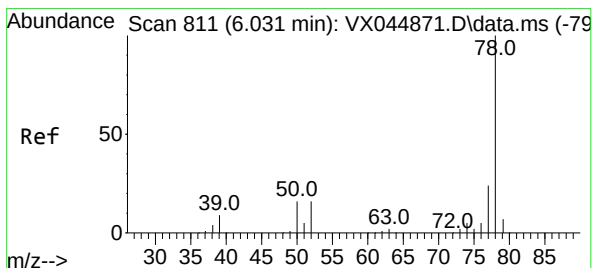
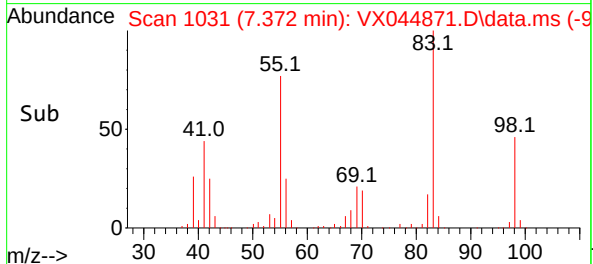
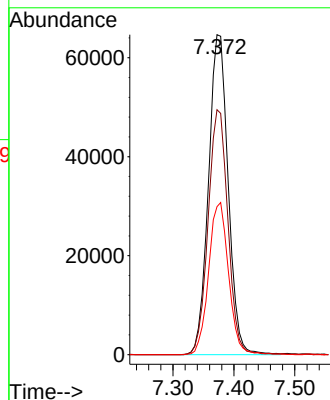
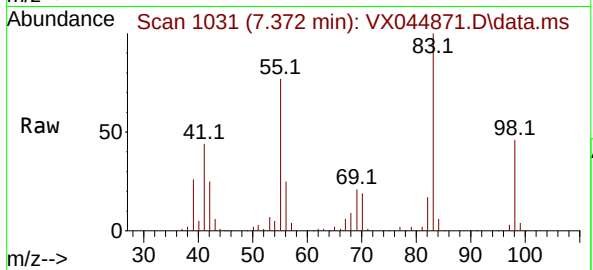




#39
Methylcyclohexane
Concen: 51.274 ug/l
RT: 7.372 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

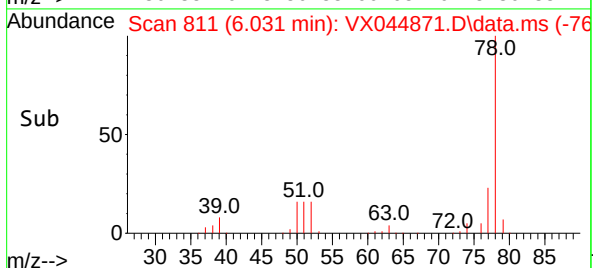
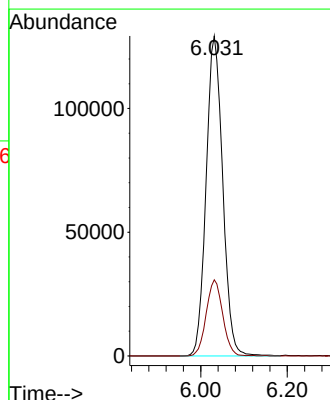
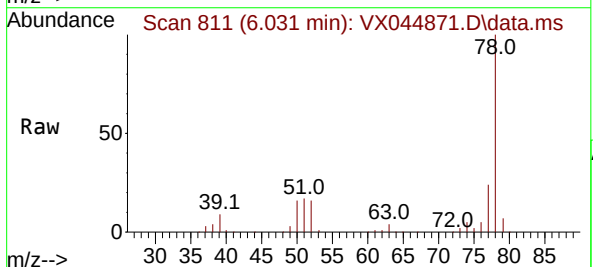
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

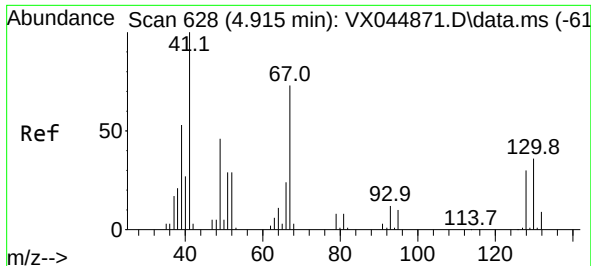
Tgt Ion: 83 Resp: 145338
Ion Ratio Lower Upper
83 100
55 76.6 61.3 91.9
98 46.3 37.0 55.6



#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

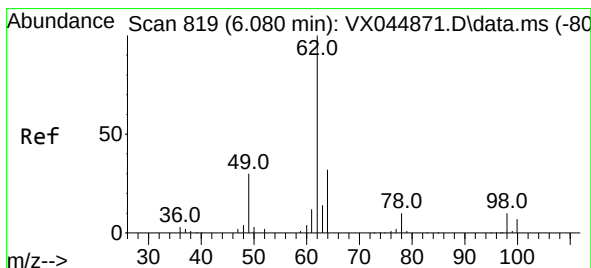
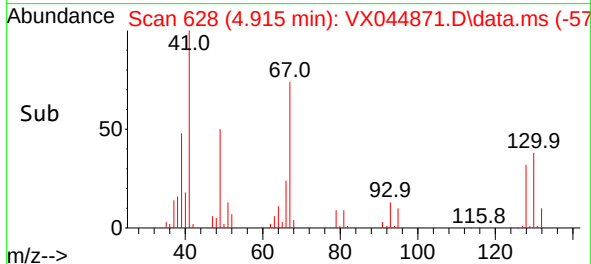
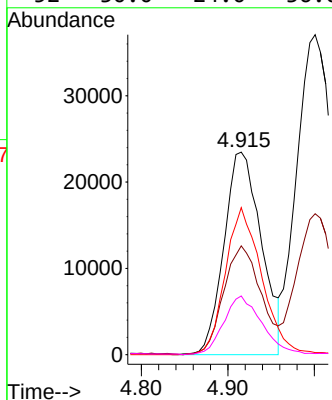
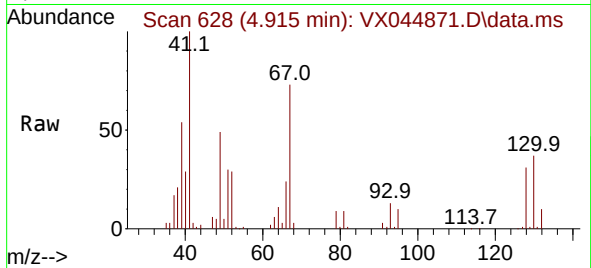




#41
Methacrylonitrile
Concen: 54.065 ug/l
RT: 4.915 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

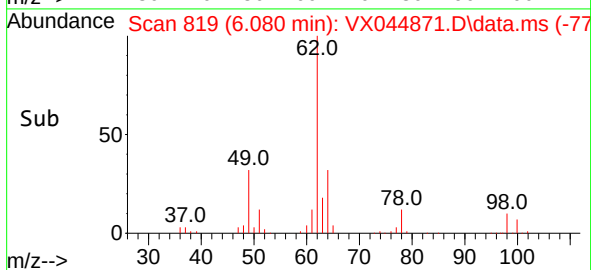
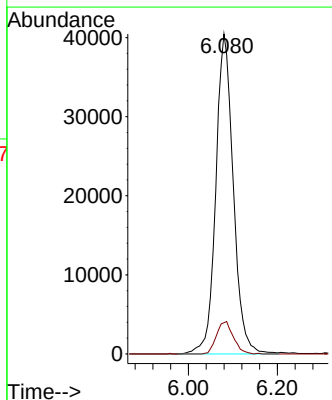
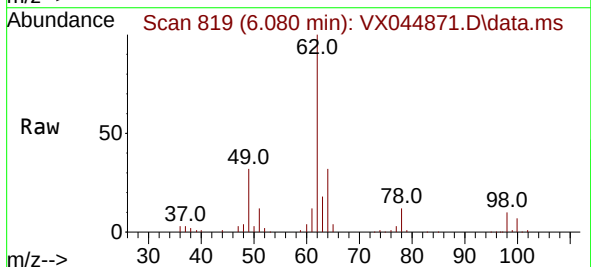
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

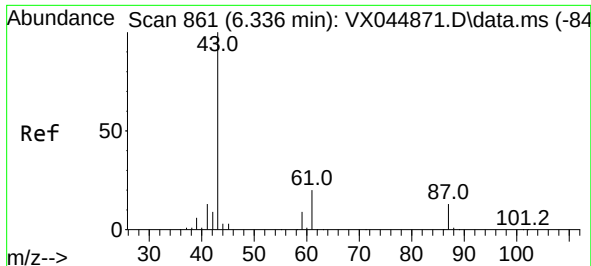
Tgt Ion:	41	Resp:	70572
Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.1	64.7
67	71.3	57.0	85.6
52	30.0	24.0	36.0



#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

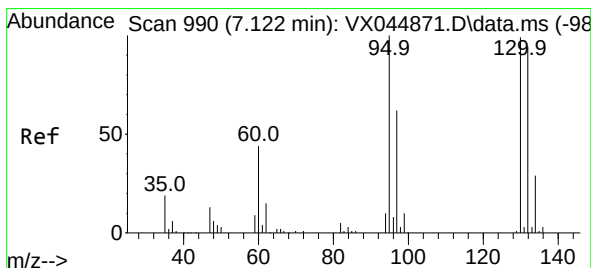
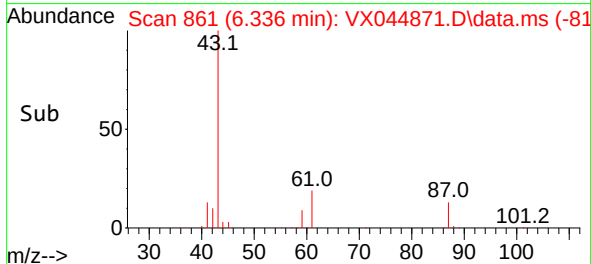
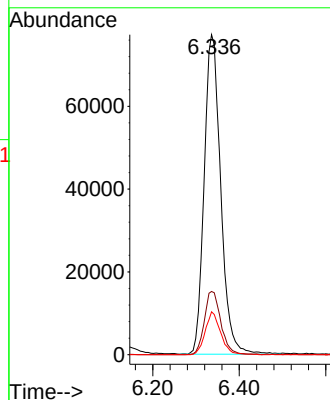
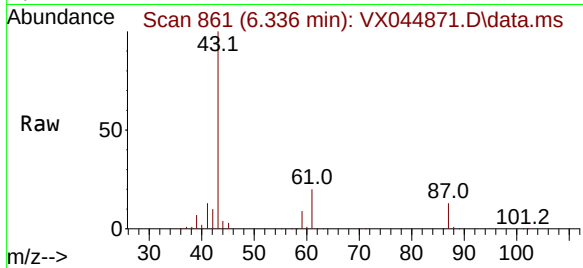




#43
Isopropyl Acetate
Concen: 51.981 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

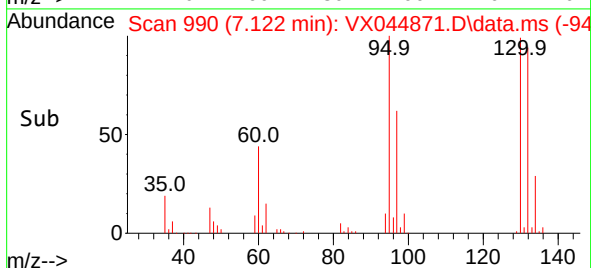
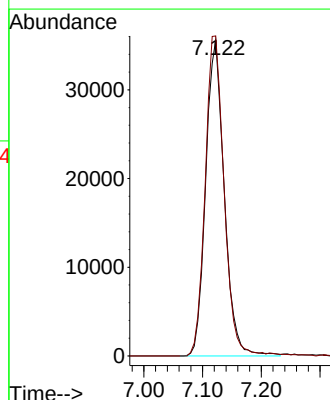
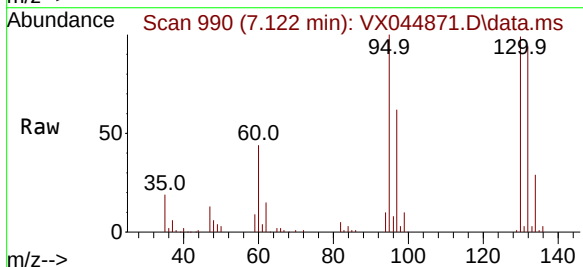
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

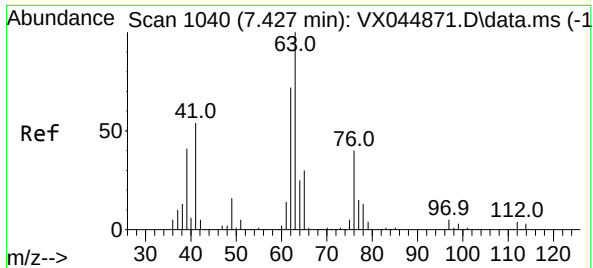
Tgt Ion: 43 Resp: 204703
Ion Ratio Lower Upper
43 100
61 19.8 15.8 23.8
87 12.5 10.0 15.0



#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

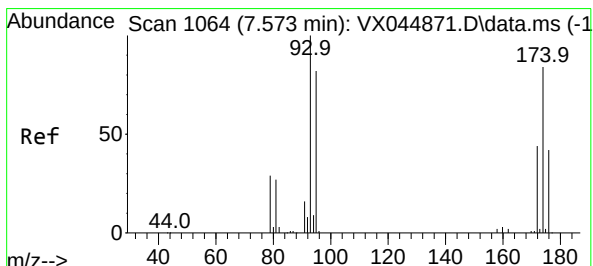
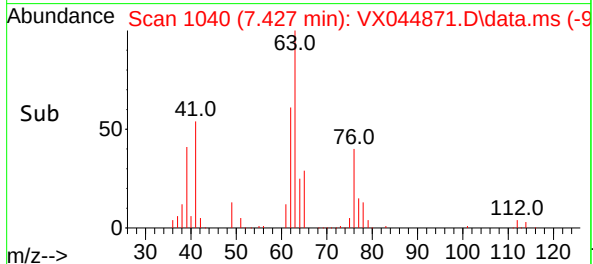
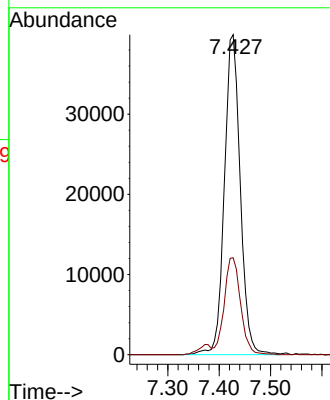
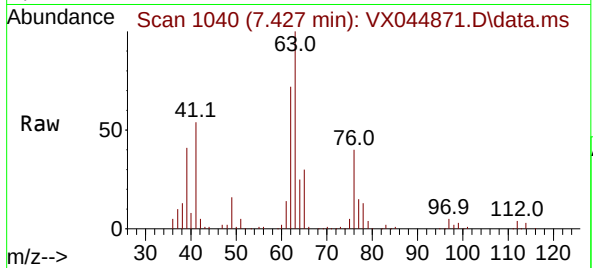




#45
1,2-Dichloropropane
Concen: 50.335 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

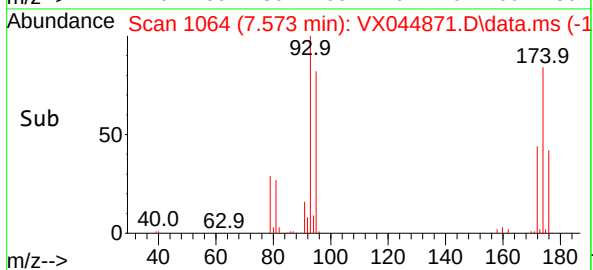
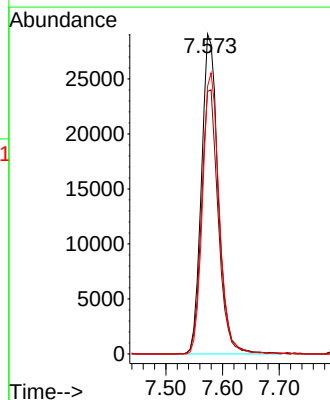
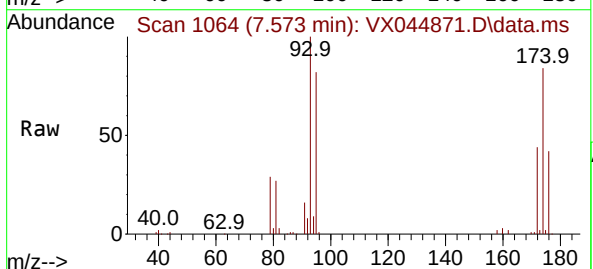
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

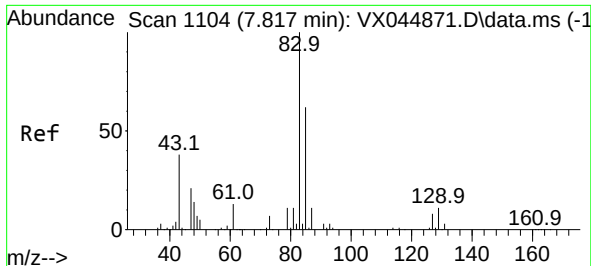
Tgt Ion: 63 Resp: 85733
Ion Ratio Lower Upper
63 100
65 30.3 24.2 36.4



#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

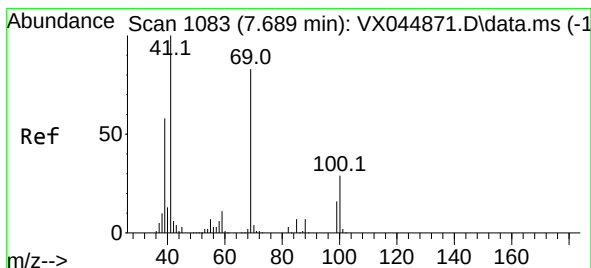
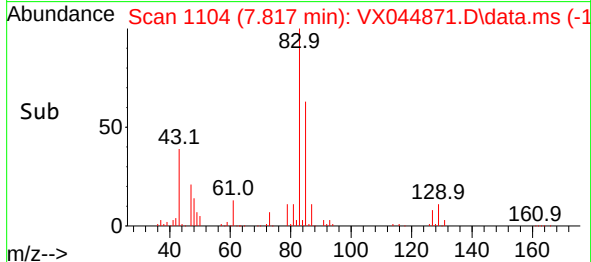
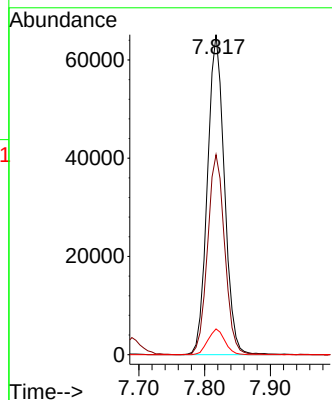
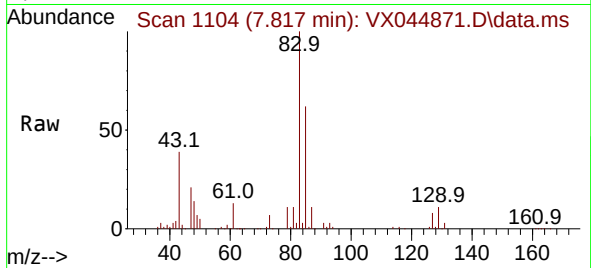




#47
Bromodichloromethane
Concen: 51.108 ug/l
RT: 7.817 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

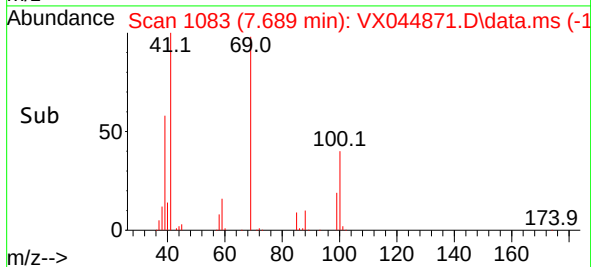
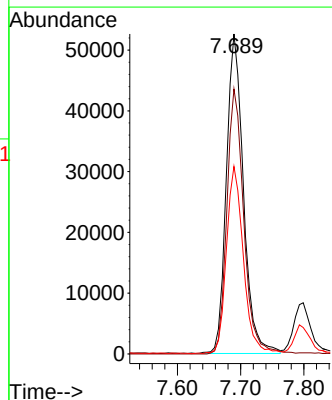
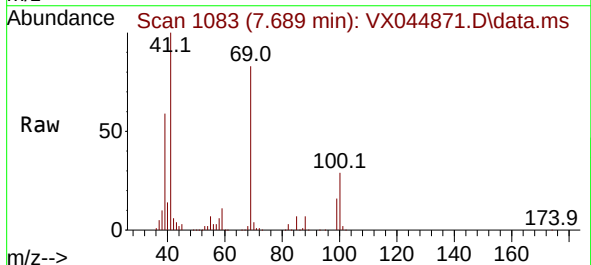
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

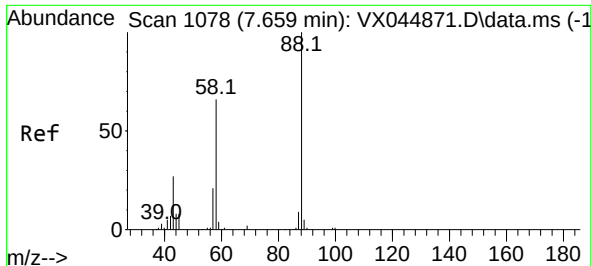
Tgt Ion: 83 Resp: 116892
Ion Ratio Lower Upper
83 100
85 62.5 50.0 75.0
127 8.0 6.4 9.6



#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# 11

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

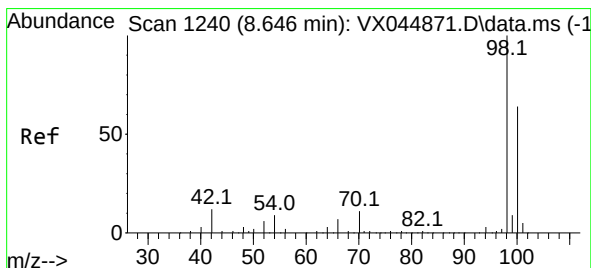
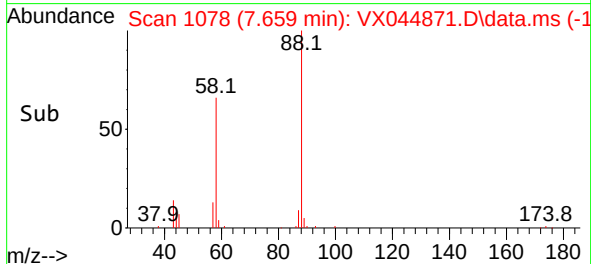
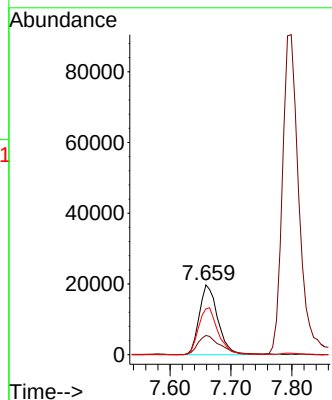
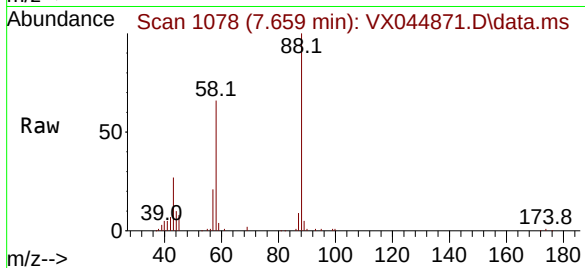
Tgt Ion: 88 Resp: 42094

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

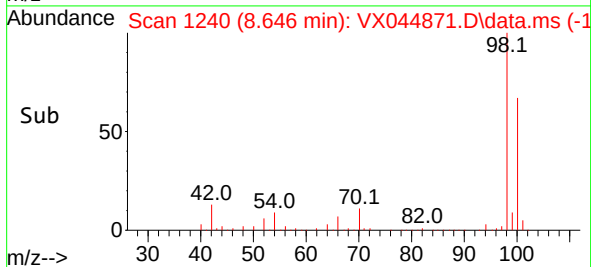
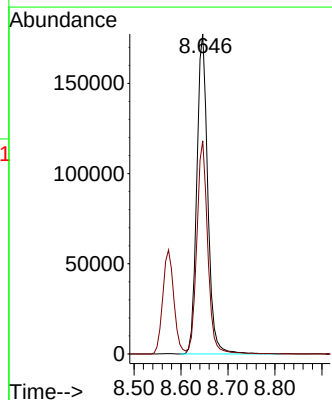
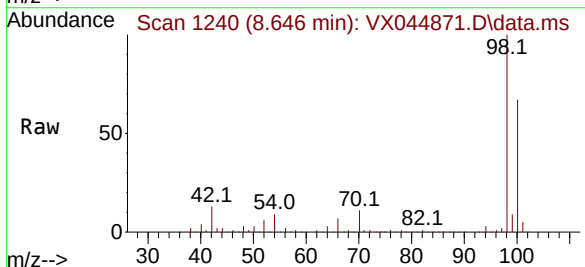
Acq: 10 Feb 2025 11:34

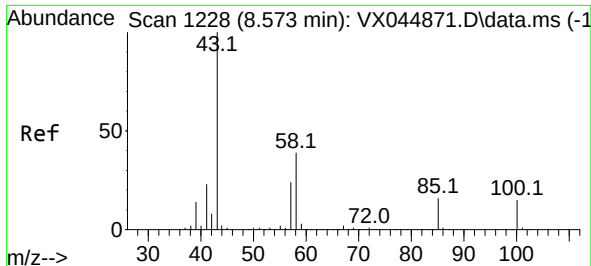
Tgt Ion: 98 Resp: 289575

Ion Ratio Lower Upper

98 100

100 65.9 52.7 79.1

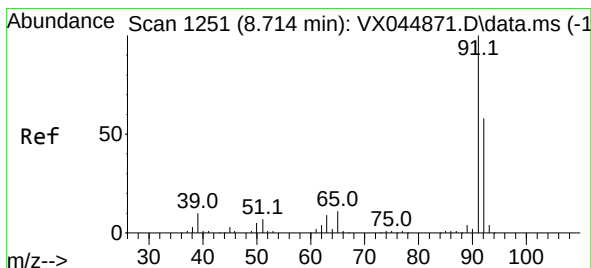
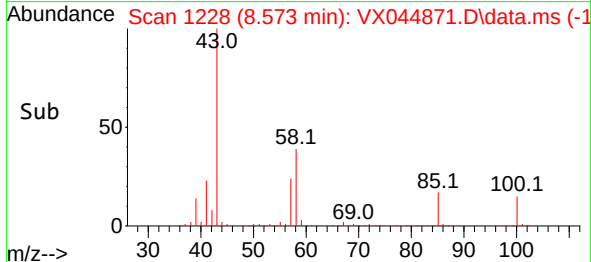
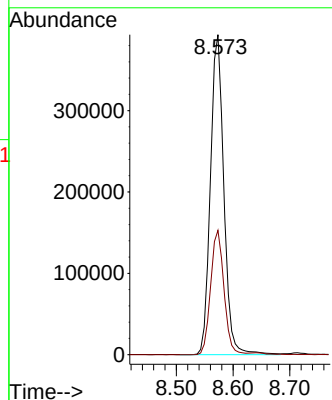
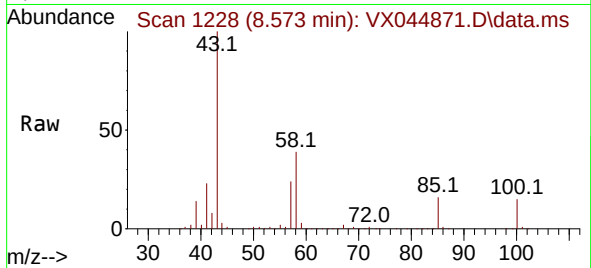




#51
4-Methyl-2-Pentanone
Concen: 270.364 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

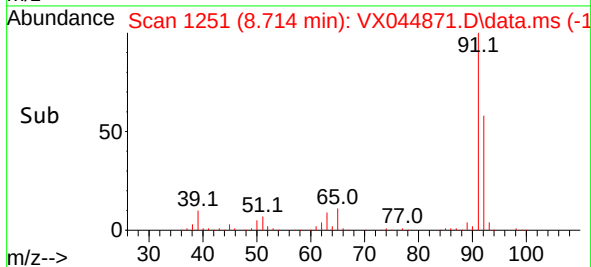
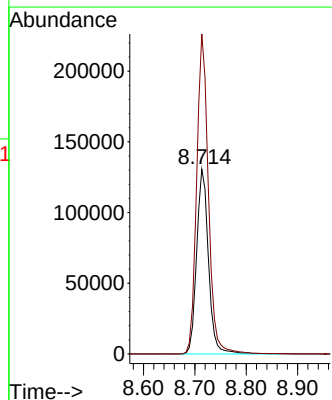
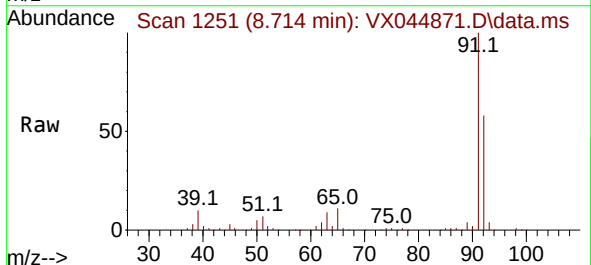
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

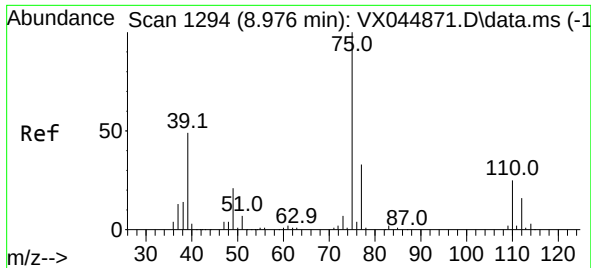
Tgt Ion: 43 Resp: 647283
Ion Ratio Lower Upper
43 100
58 38.5 30.8 46.2



#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 :

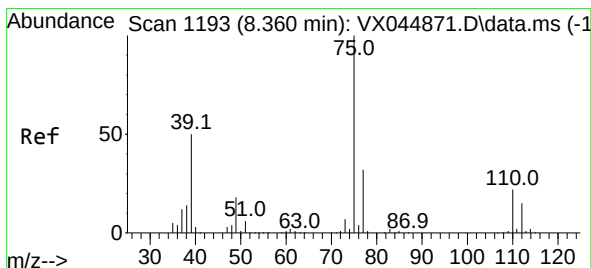
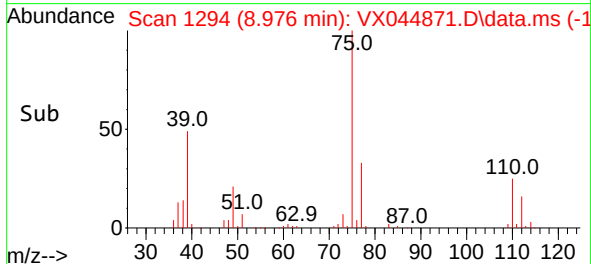
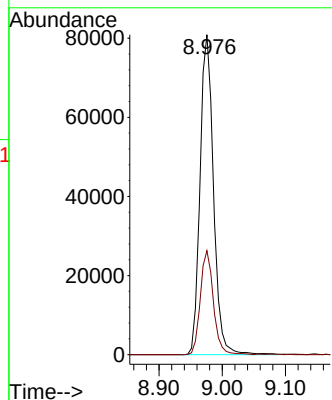
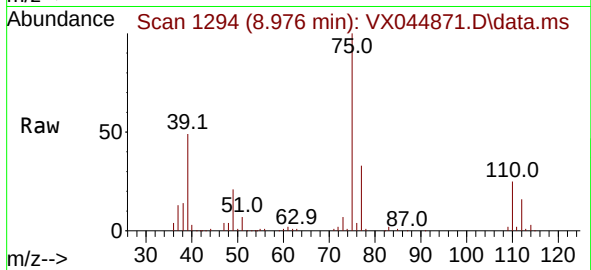
VSTDICCC050

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

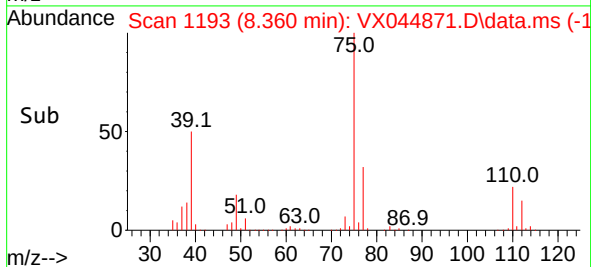
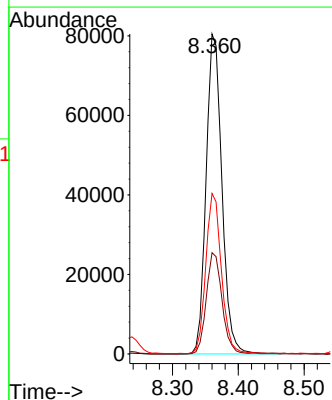
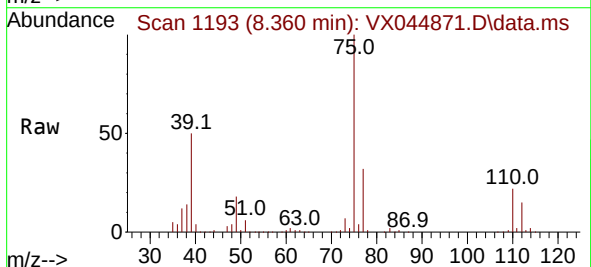
Tgt Ion: 75 Resp: 134763

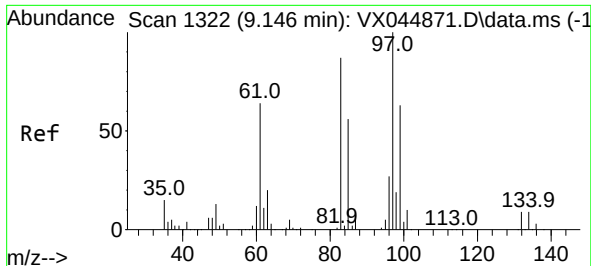
Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

39 50.0 40.0 60.0

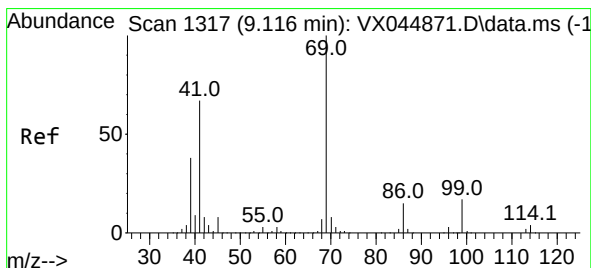
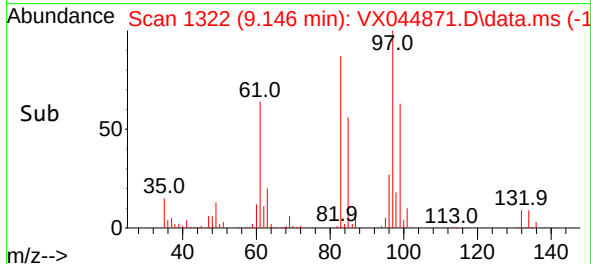
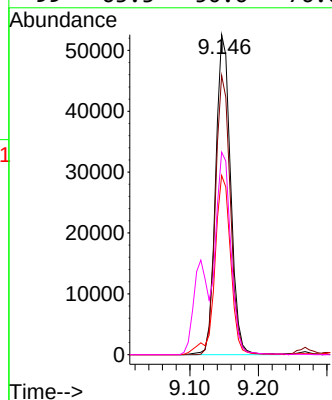
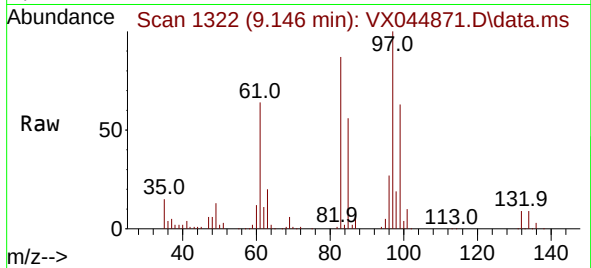




#55
 1,1,2-Trichloroethane
 Concen: 50.876 ug/l
 RT: 9.146 min Scan# 1322
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

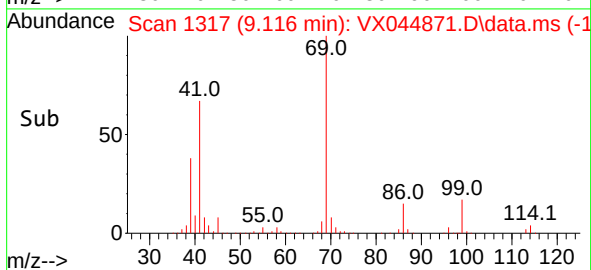
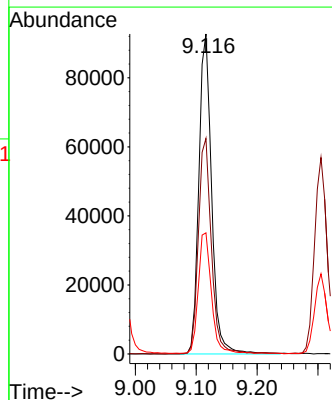
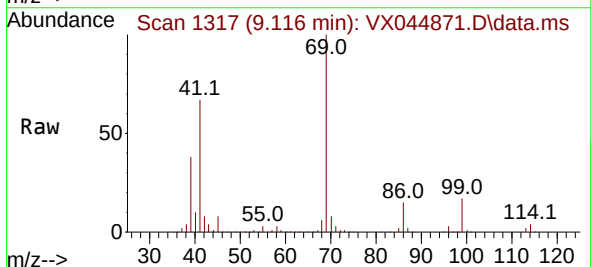
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

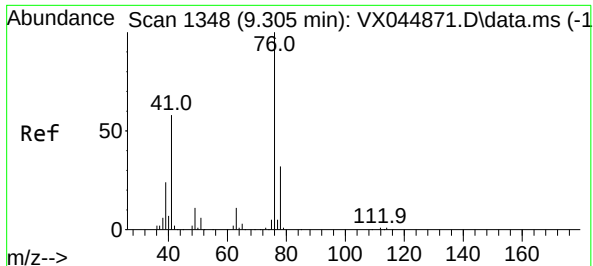
Tgt Ion: 97	Resp: 79741
Ion Ratio	Lower Upper
97 100	
83 87.2	69.8 104.6
85 56.0	44.8 67.2
99 63.3	50.6 76.0



#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 :

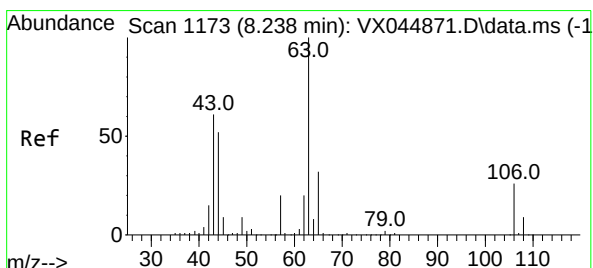
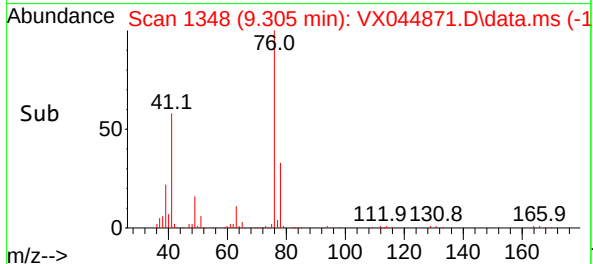
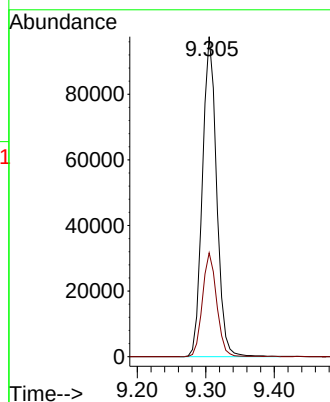
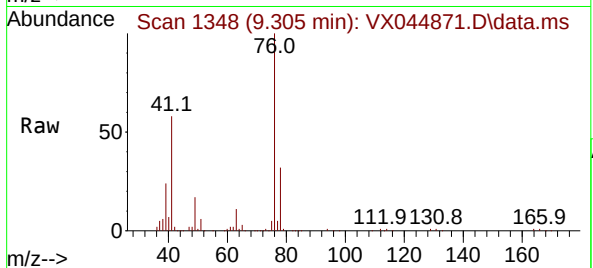
VSTDICCC050

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

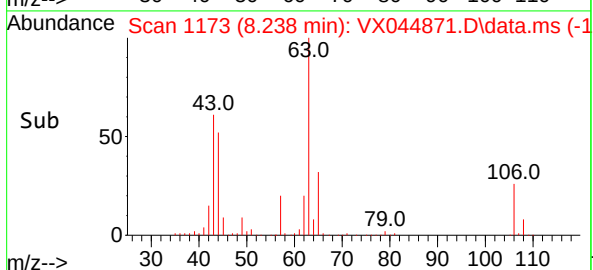
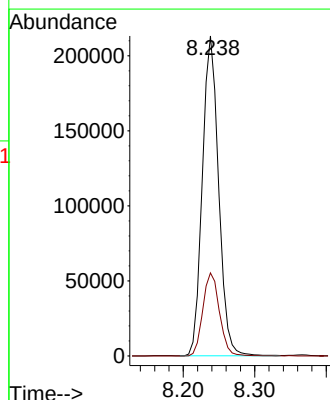
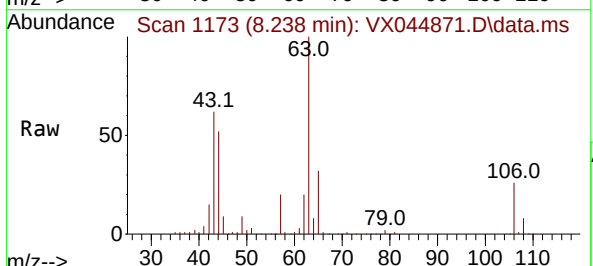
Acq: 10 Feb 2025 11:34

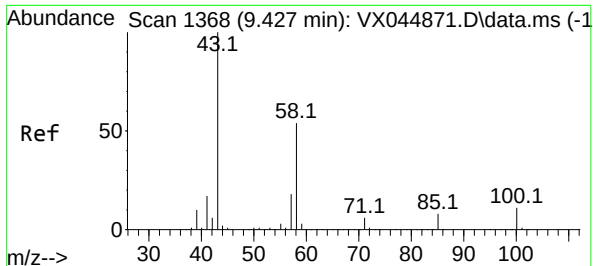
Tgt Ion: 63 Resp: 336412

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9

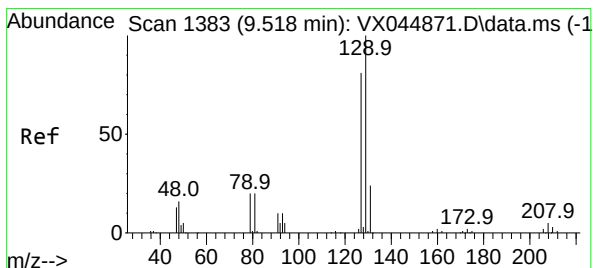
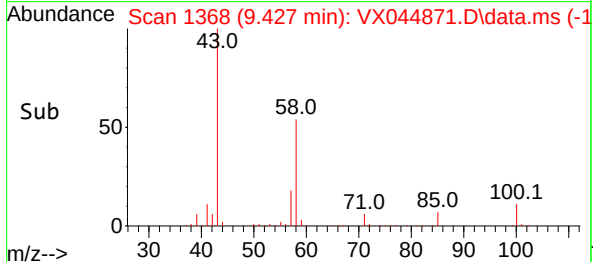
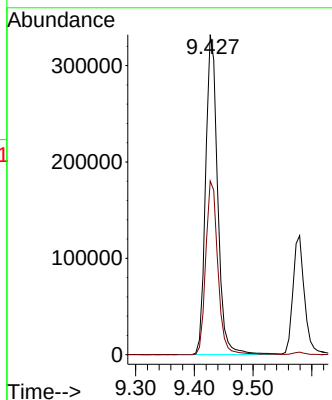
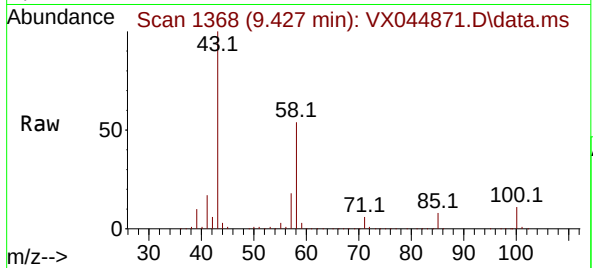




#59
2-Hexanone
Concen: 273.800 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

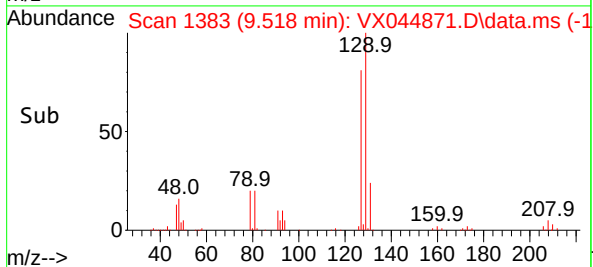
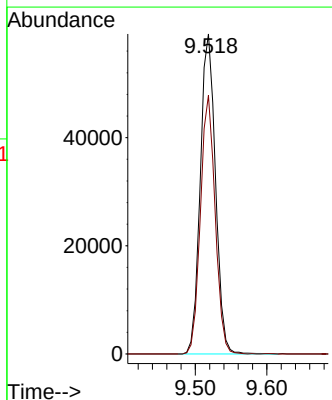
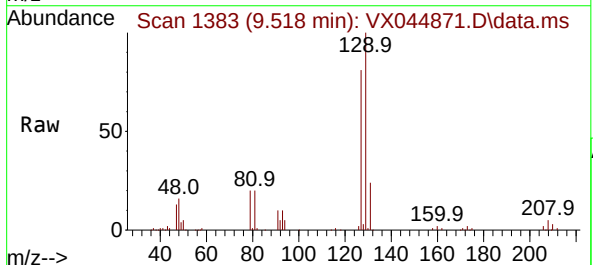
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

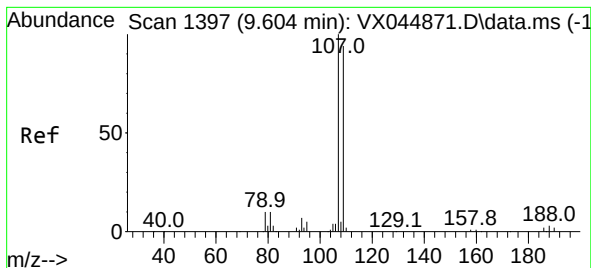
Tgt Ion: 43 Resp: 472301
Ion Ratio Lower Upper
43 100
58 54.9 27.5 82.4



#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 :

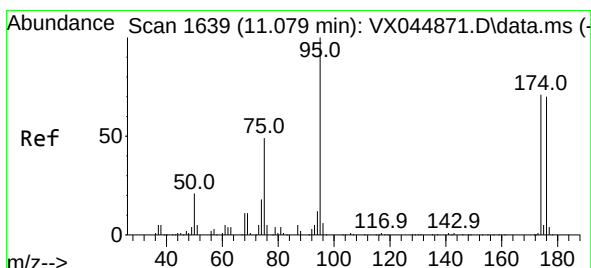
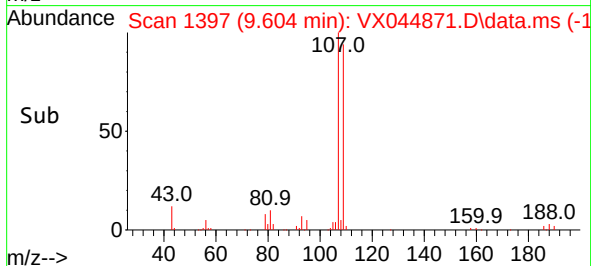
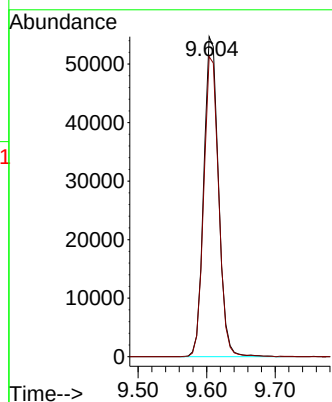
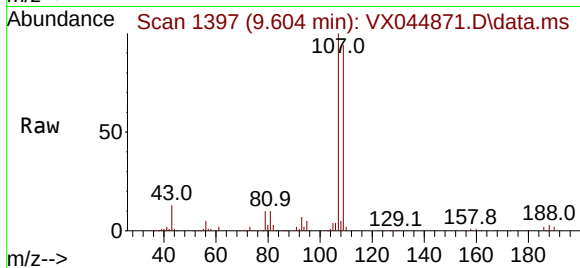
VSTDICCC050

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

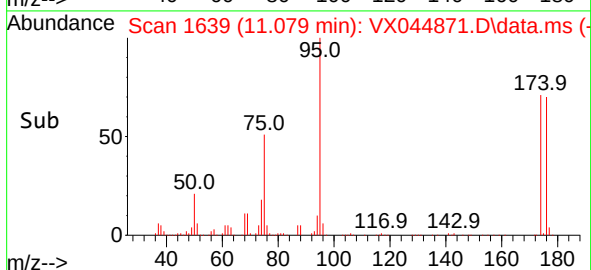
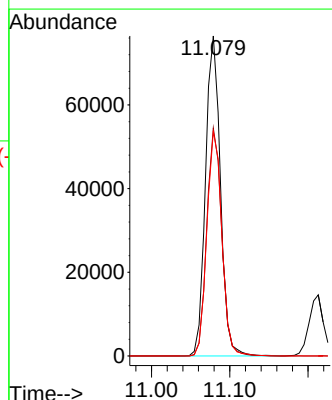
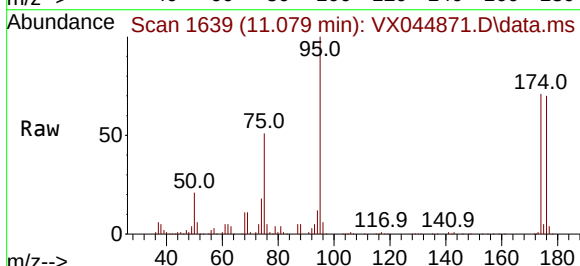
Tgt Ion: 95 Resp: 100798

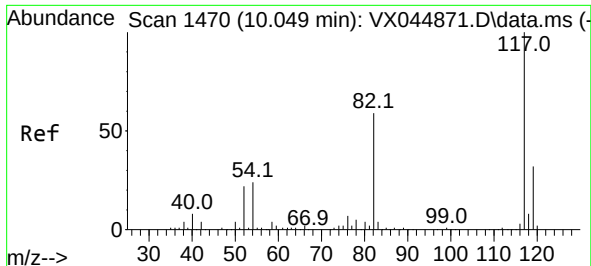
Ion Ratio Lower Upper

95 100

174 71.3 0.0 142.6

176 70.8 0.0 141.6

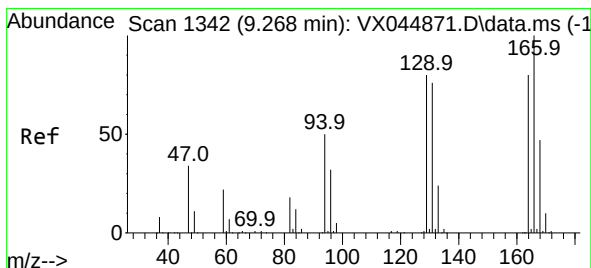
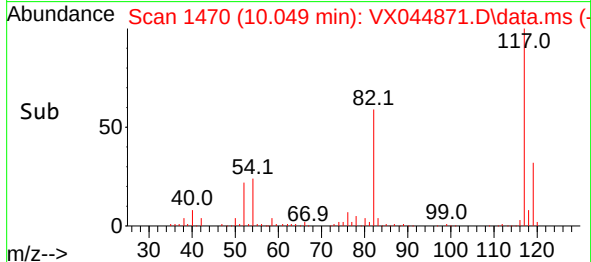
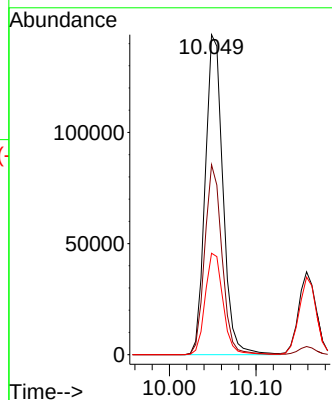
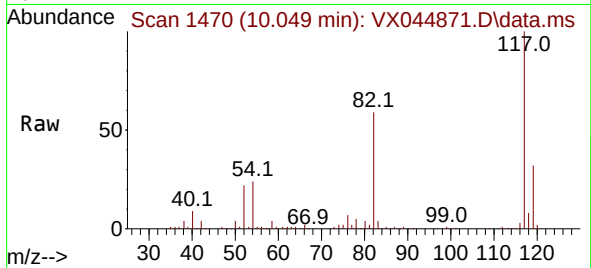




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

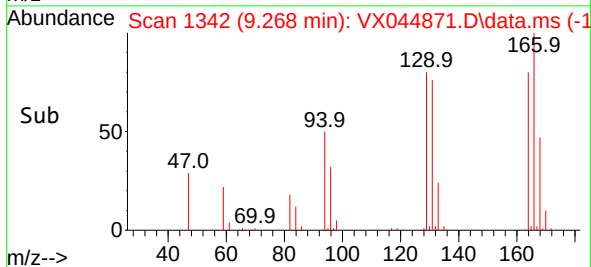
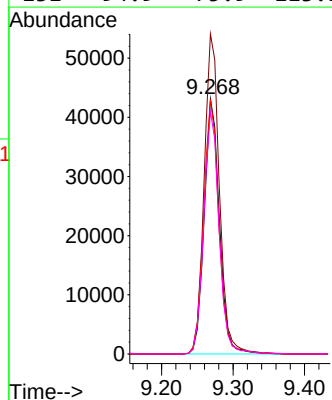
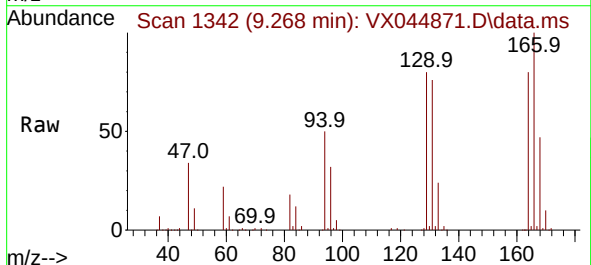
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

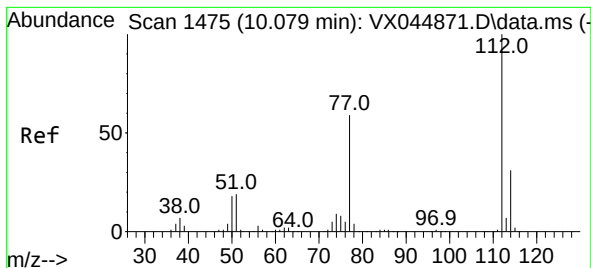
Tgt Ion:117 Resp: 204751
Ion Ratio Lower Upper
117 100
82 59.4 47.5 71.3
119 31.7 25.4 38.0



#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

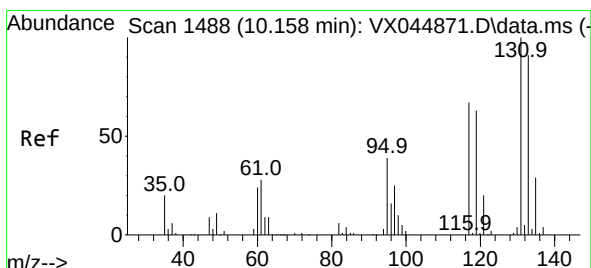
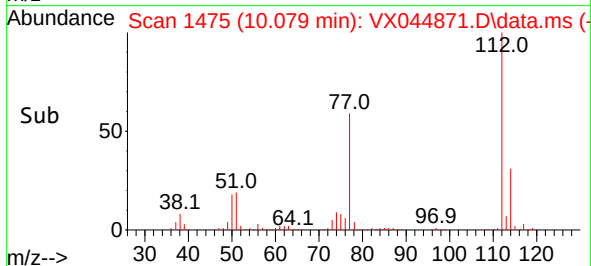
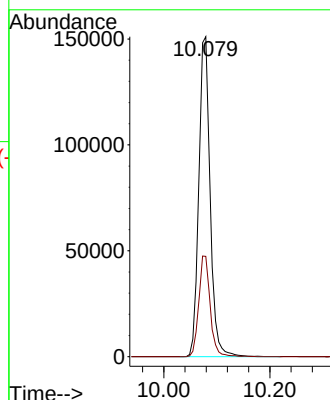
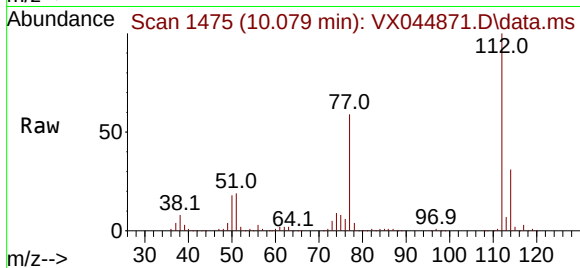




#65
Chlorobenzene
Concen: 51.005 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

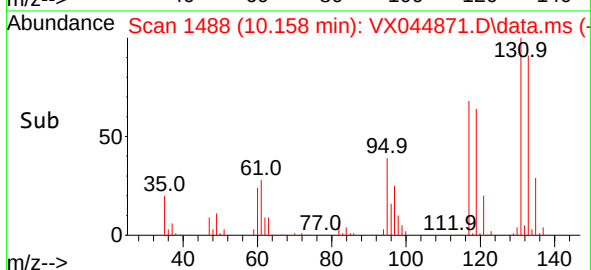
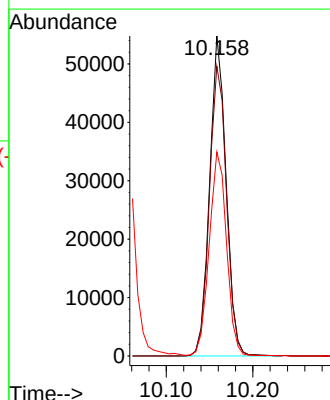
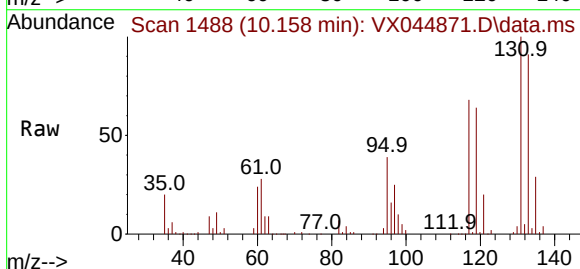
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

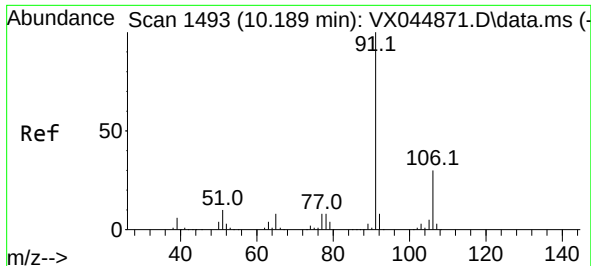
Tgt Ion:112 Resp: 224306
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.6



#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 :

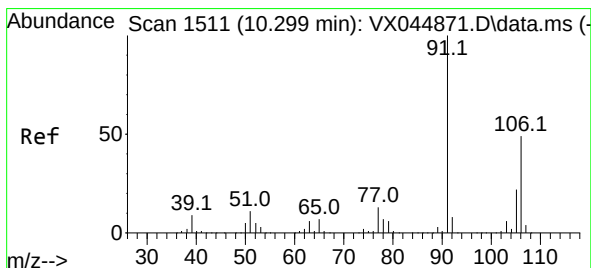
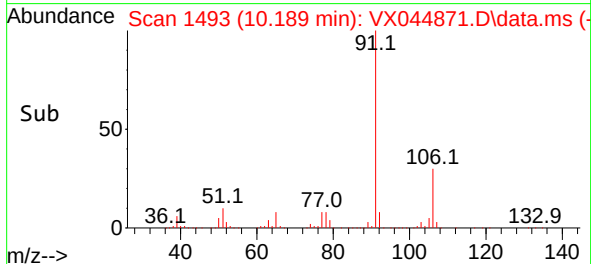
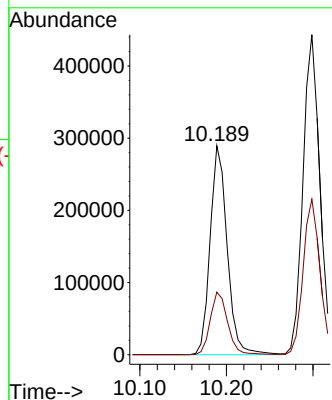
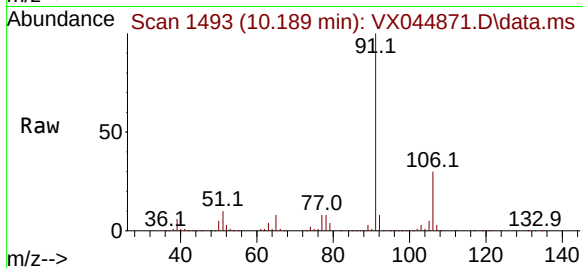
VSTDICCC050

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

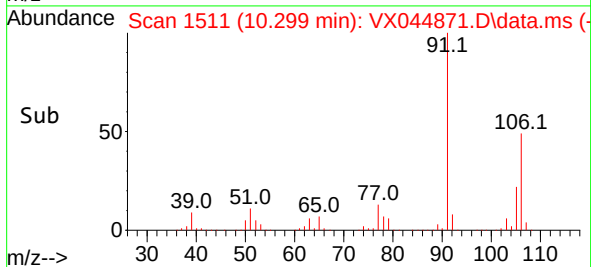
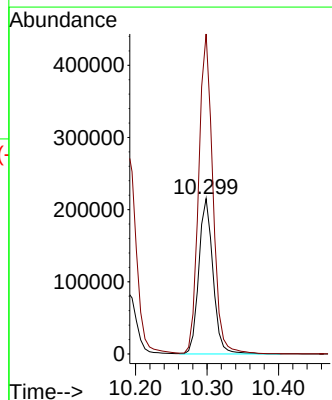
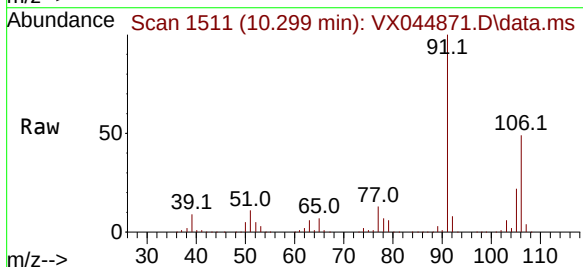
Acq: 10 Feb 2025 11:34

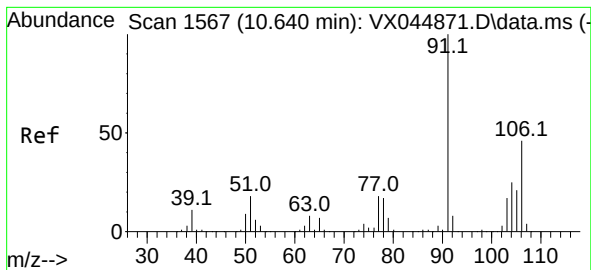
Tgt Ion: 106 Resp: 296507

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 :

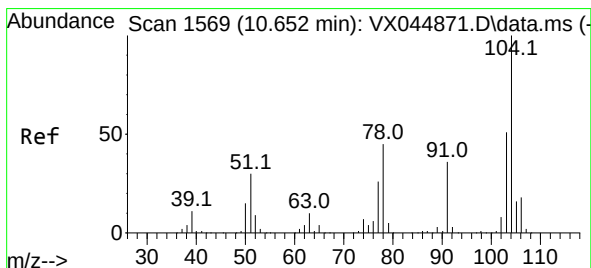
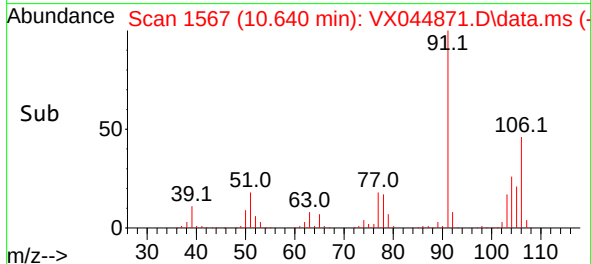
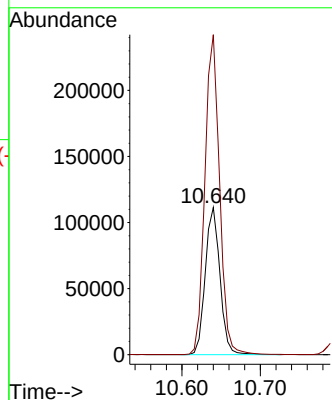
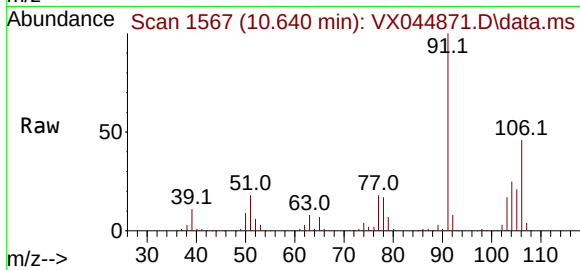
VSTDICCC050

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

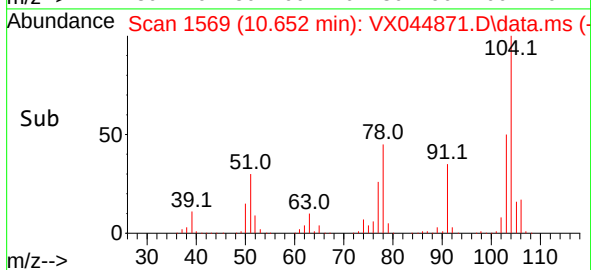
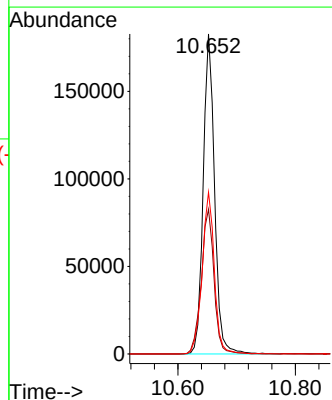
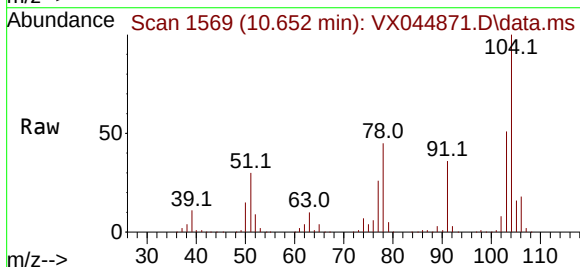
Tgt Ion:104 Resp: 245518

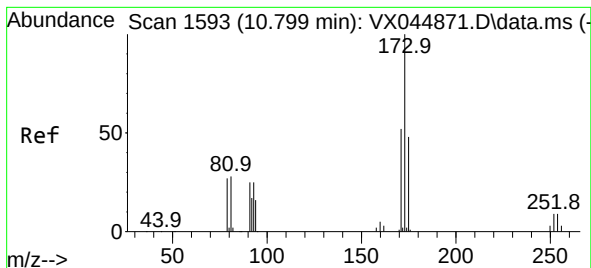
Ion Ratio Lower Upper

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

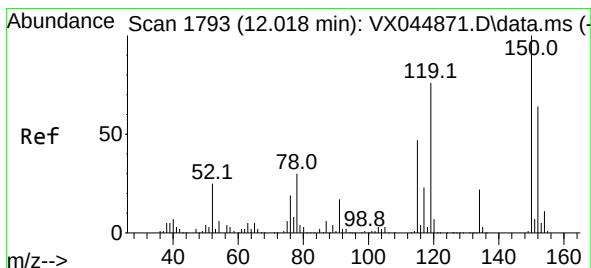
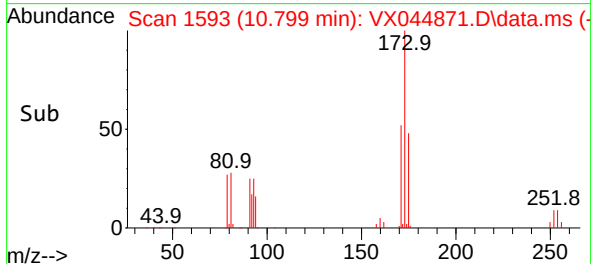
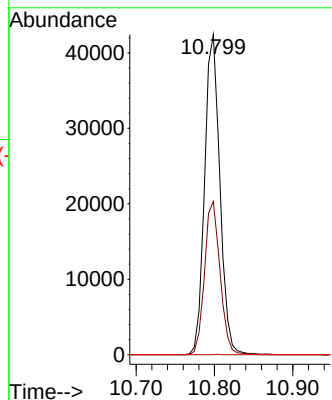
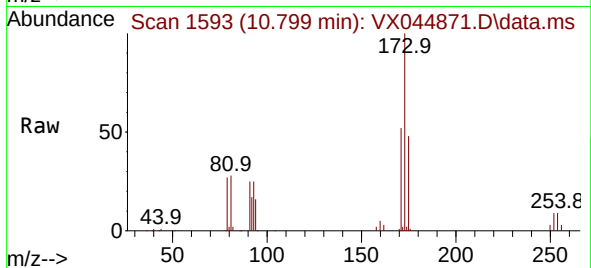
Tgt Ion:173 Resp: 57417

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

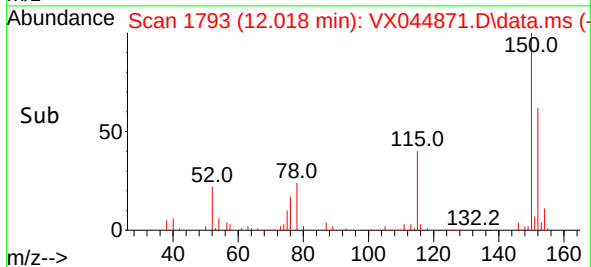
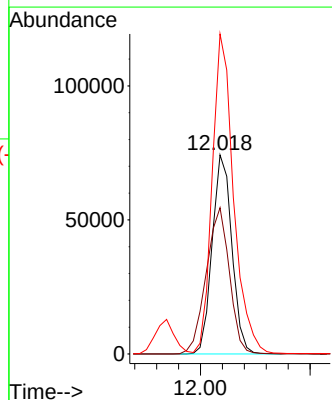
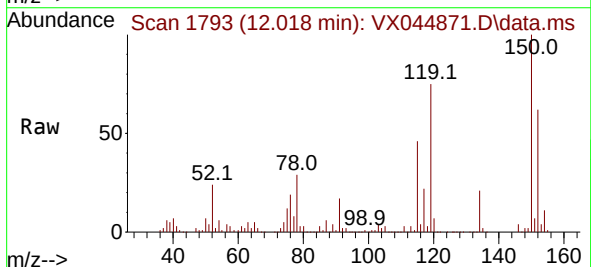
Tgt Ion:152 Resp: 92648

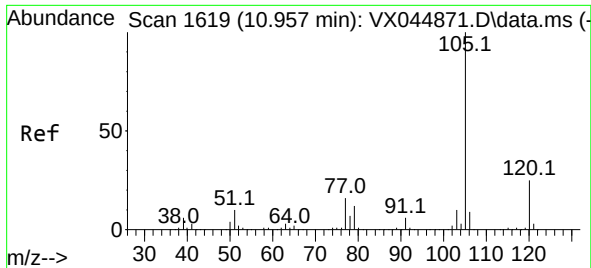
Ion Ratio Lower Upper

152 100

115 86.7 43.4 130.1

150 175.2 0.0 350.4

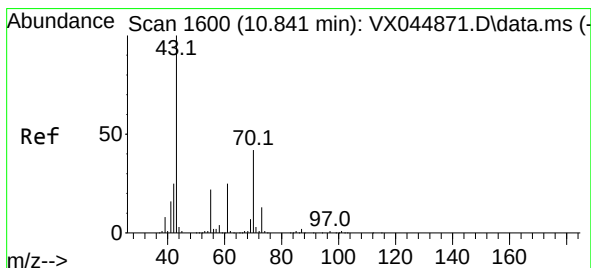
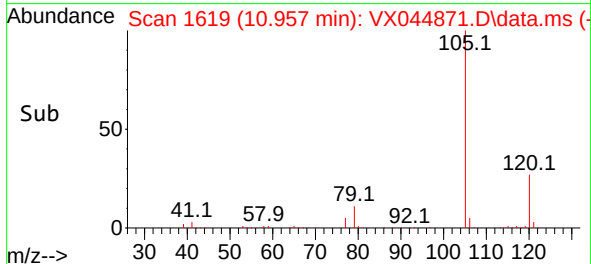
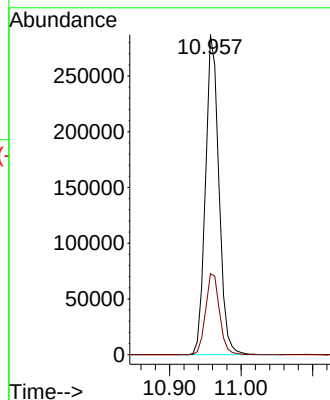
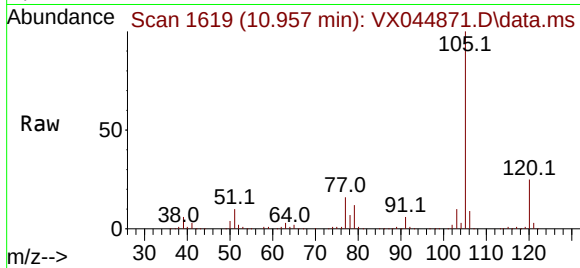




#73
Isopropylbenzene
Concen: 50.239 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

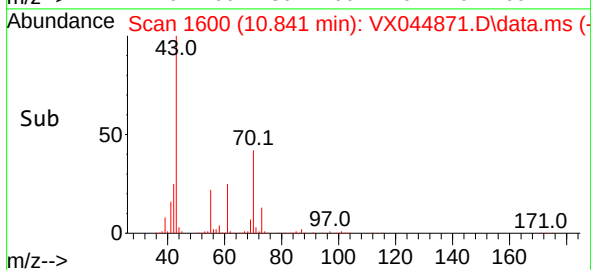
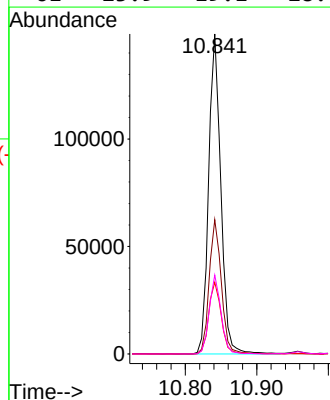
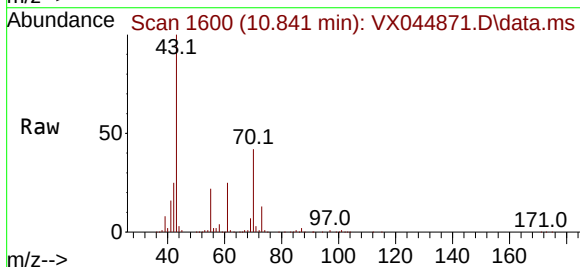
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

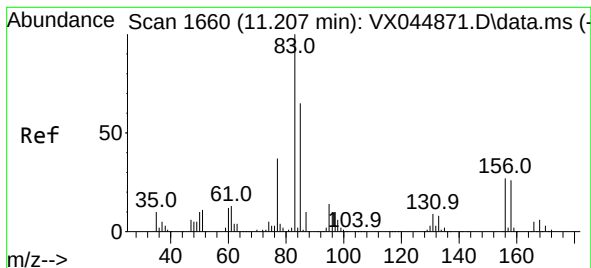
Tgt Ion:105 Resp: 374776
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5



#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# 1

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

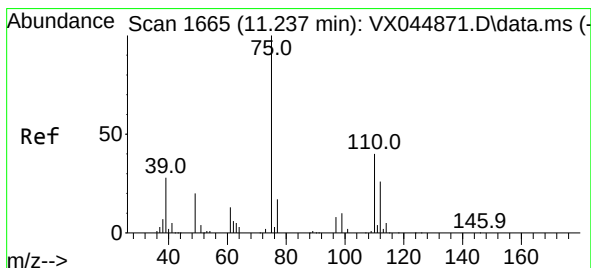
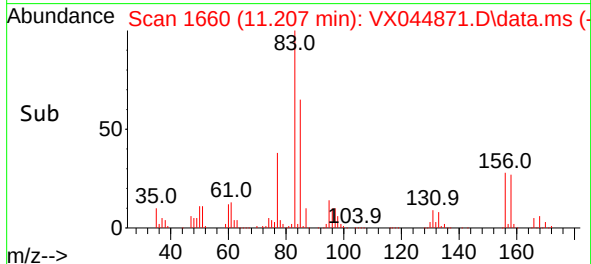
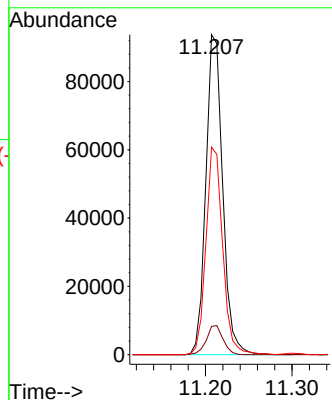
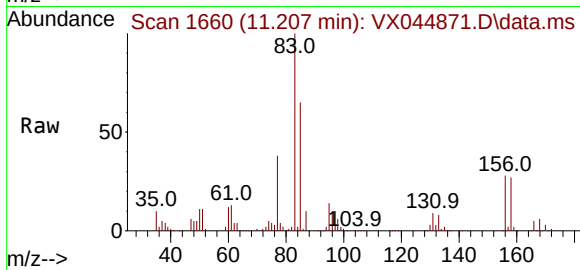
Tgt Ion: 83 Resp: 126542

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

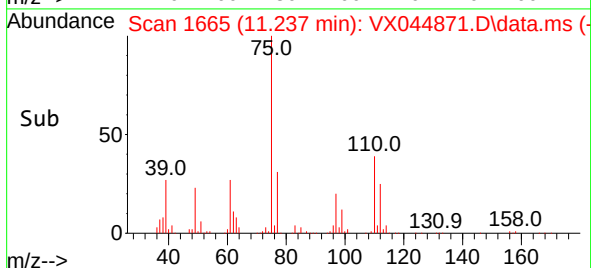
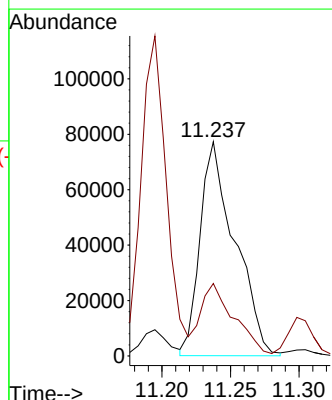
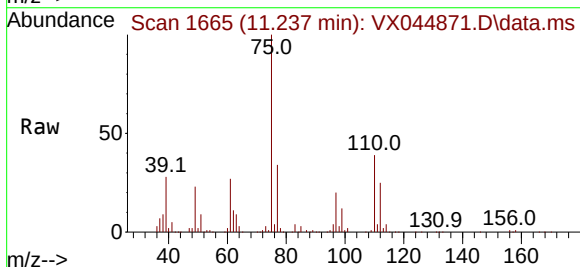
Acq: 10 Feb 2025 11:34

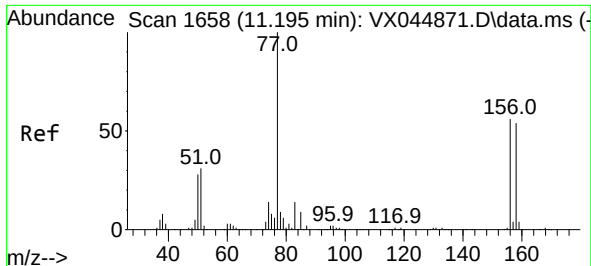
Tgt Ion: 75 Resp: 136881

Ion Ratio Lower Upper

75 100

77 32.8 21.9 65.7

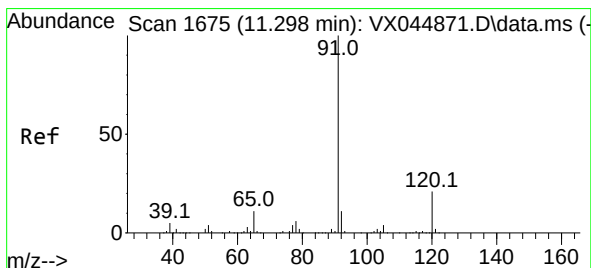
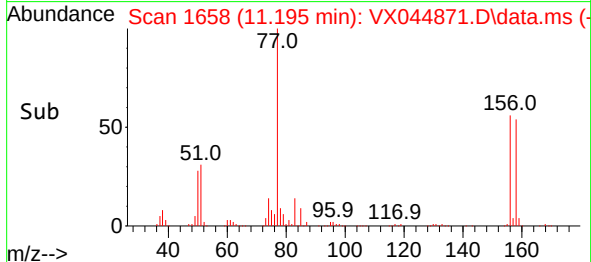
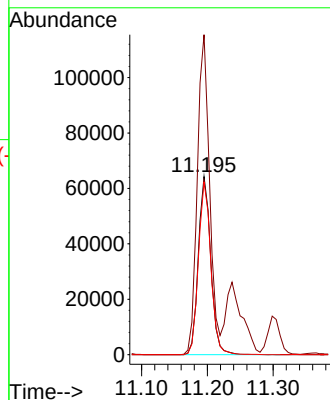
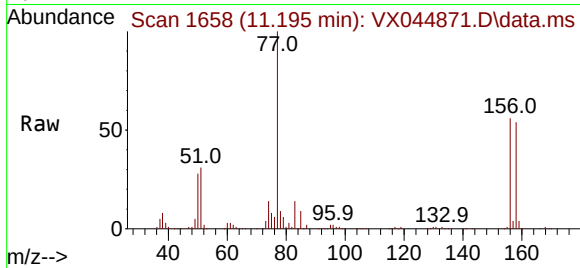




#77
Bromobenzene
Concen: 49.931 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

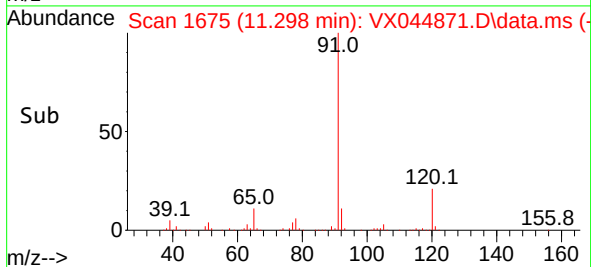
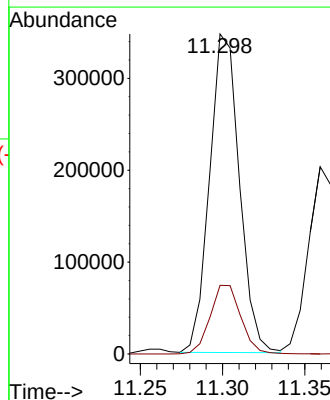
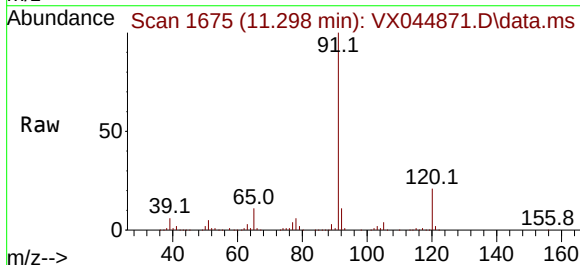
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

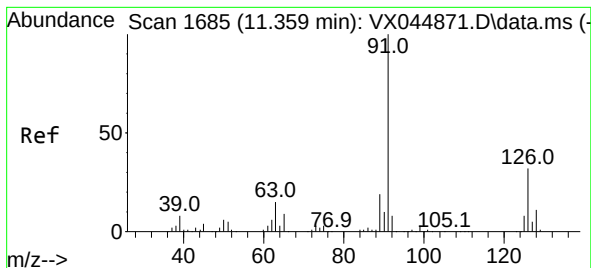
Tgt Ion:156 Resp: 84448
Ion Ratio Lower Upper
156 100
77 176.9 88.4 265.3
158 96.8 48.4 145.2



#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# 1

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

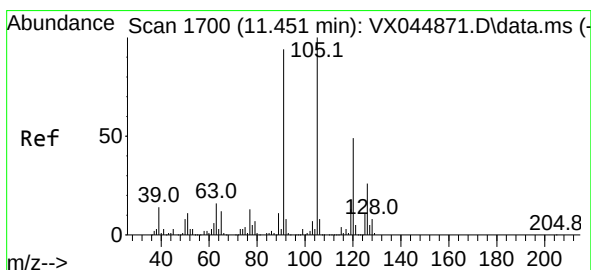
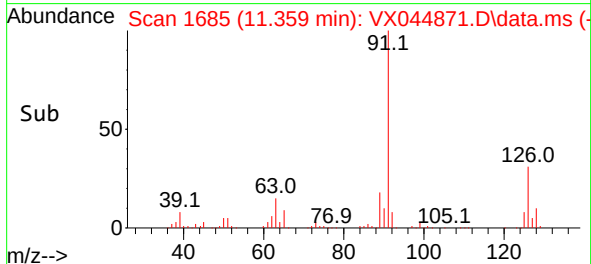
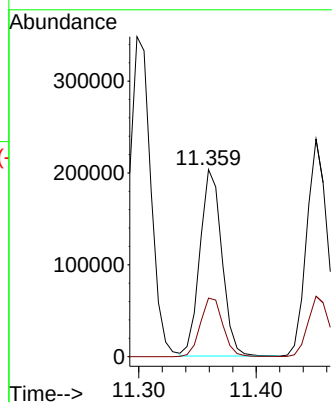
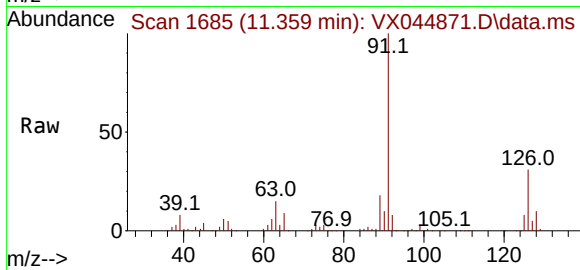
VSTDICCC050

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

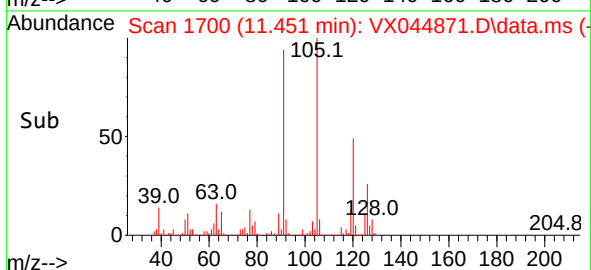
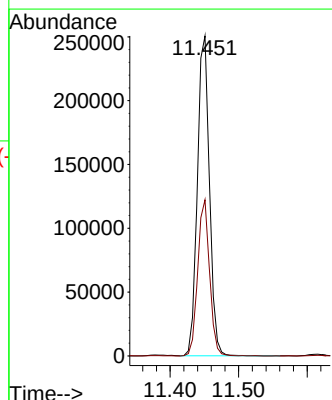
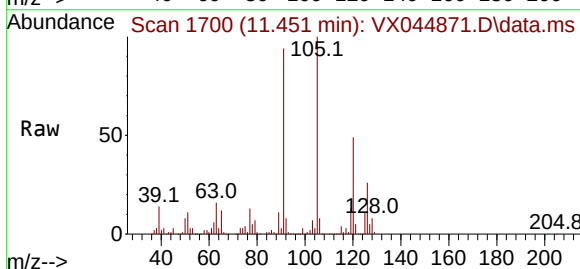
Acq: 10 Feb 2025 11:34

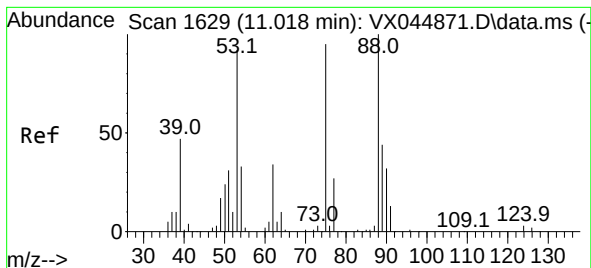
Tgt Ion:105 Resp: 307465

Ion Ratio Lower Upper

105 100

120 48.0 24.0 72.0

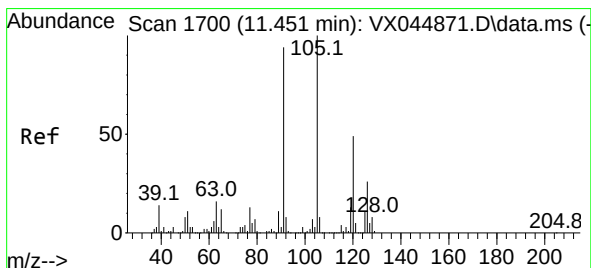
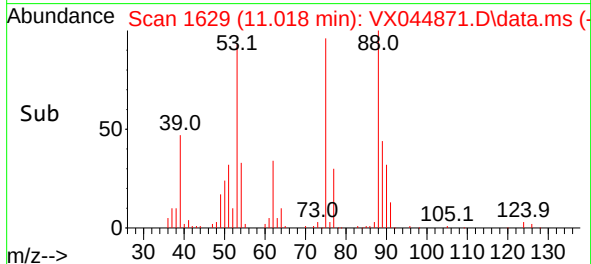
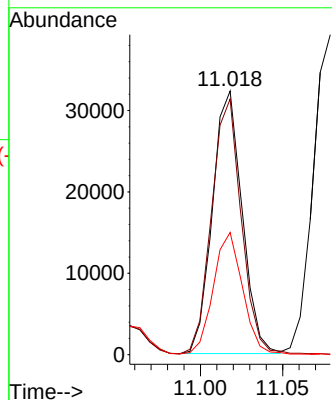
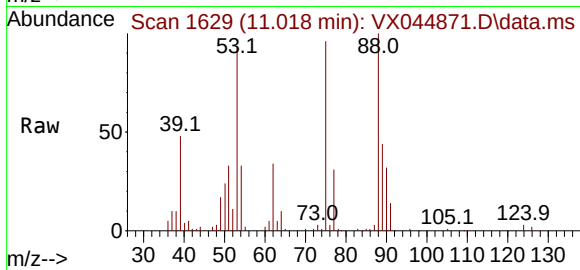




#81
trans-1,4-Dichloro-2-butene
Concen: 50.701 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

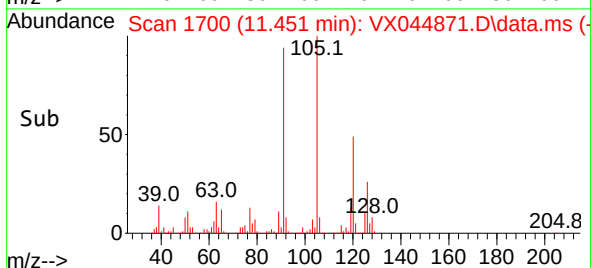
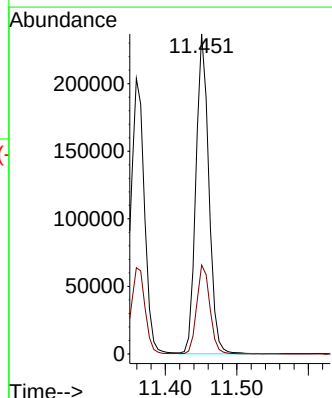
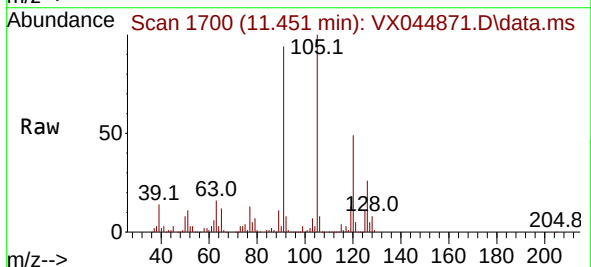
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

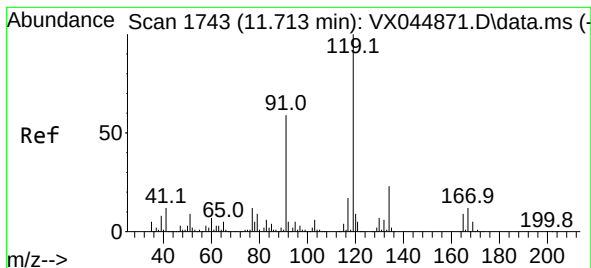
Tgt Ion: 75 Resp: 40487
Ion Ratio Lower Upper
75 100
53 97.5 78.0 117.0
89 45.7 36.6 54.8



#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

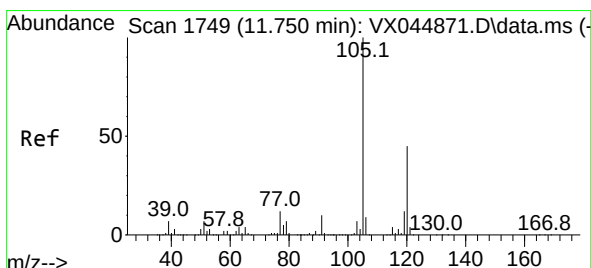
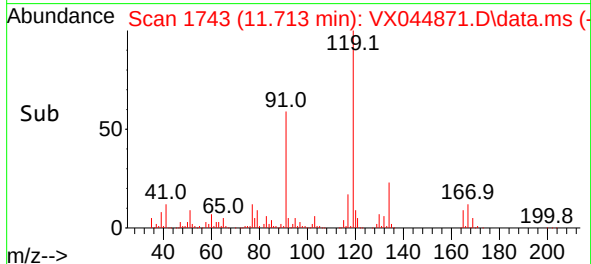
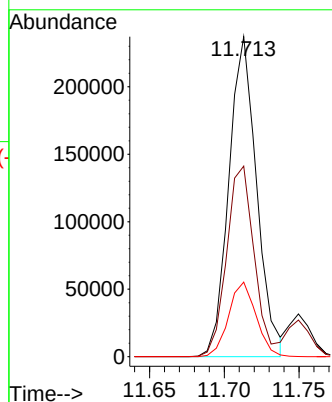
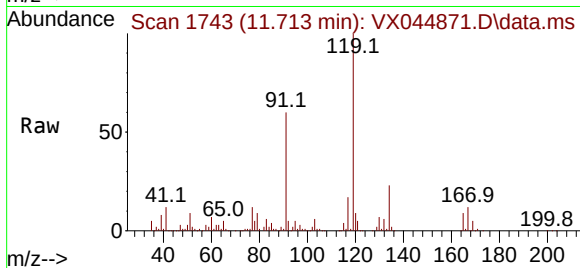
Tgt Ion:119 Resp: 306830

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

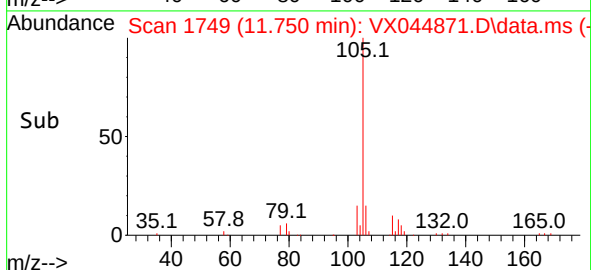
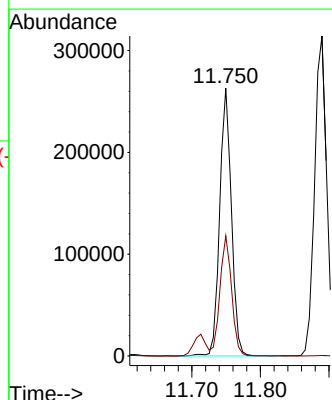
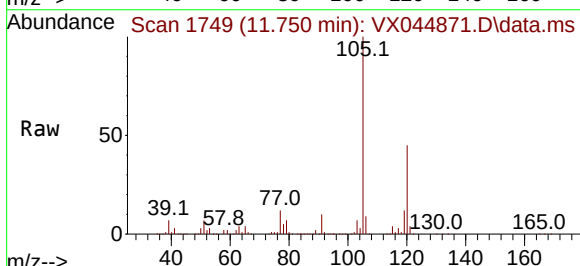
Acq: 10 Feb 2025 11:34

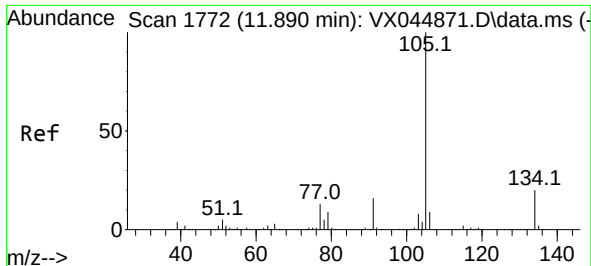
Tgt Ion:105 Resp: 311205

Ion Ratio Lower Upper

105 100

120 44.7 22.4 67.0

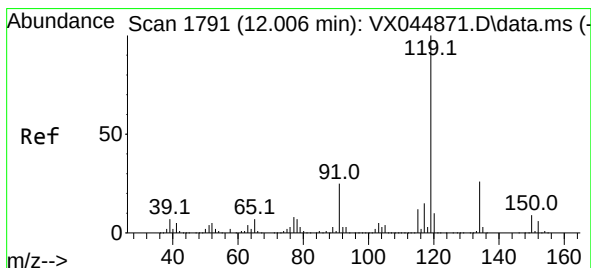
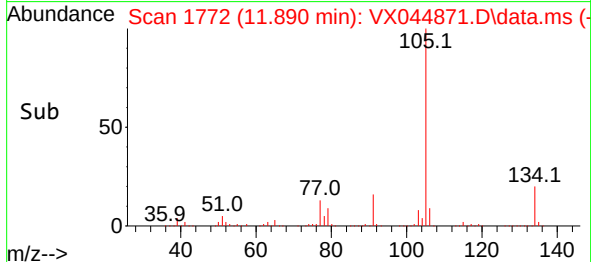
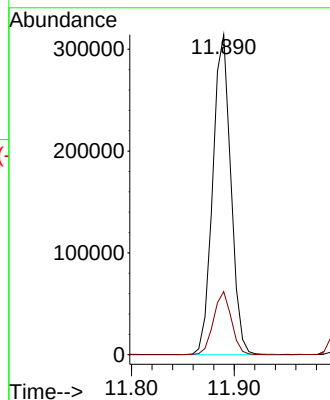
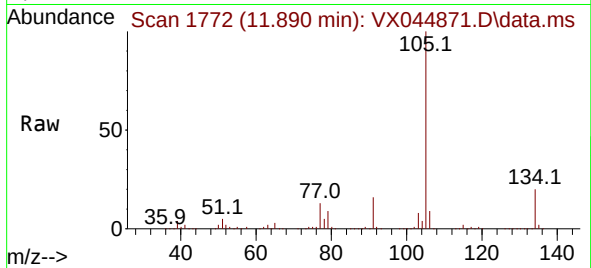




#85
 sec-Butylbenzene
 Concen: 50.657 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

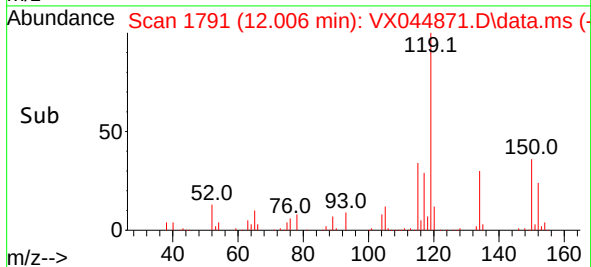
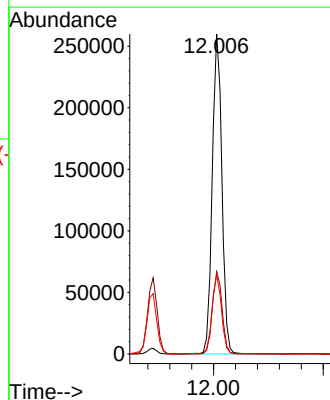
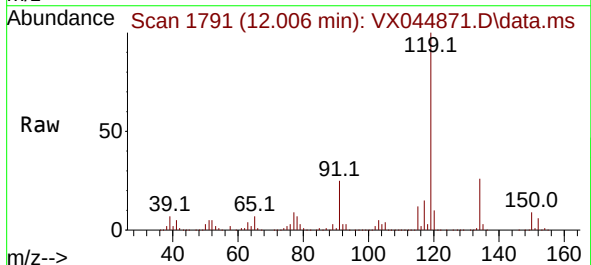
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

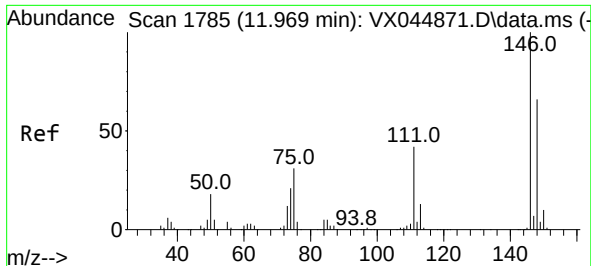
Tgt Ion:105 Resp: 384155
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.3



#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

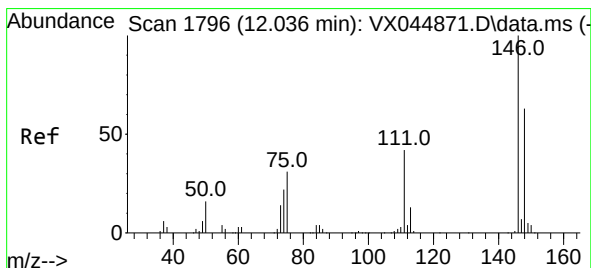
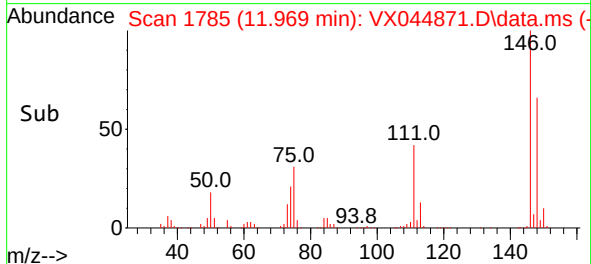
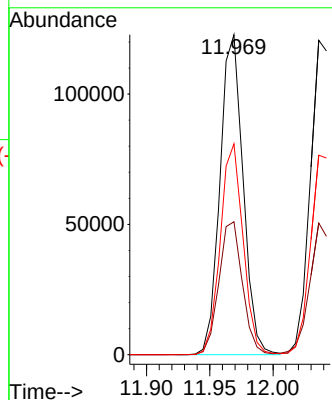
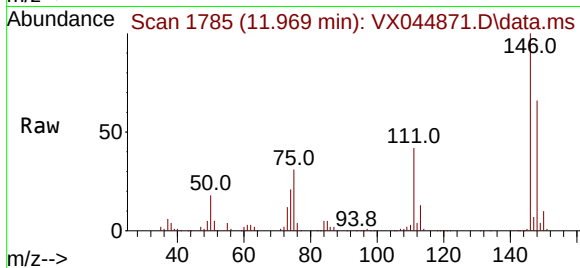
Tgt Ion:146 Resp: 155575

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

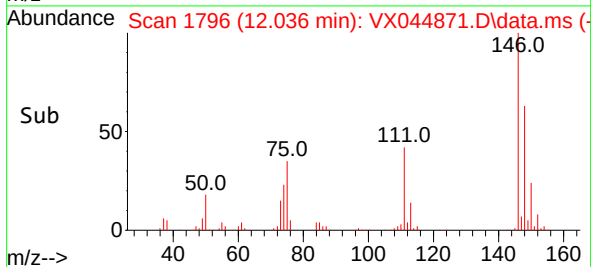
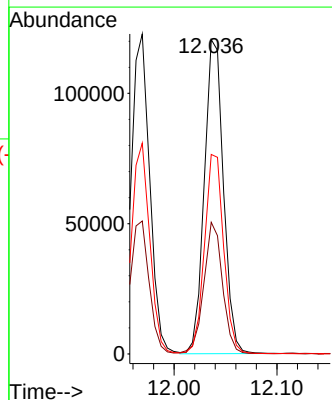
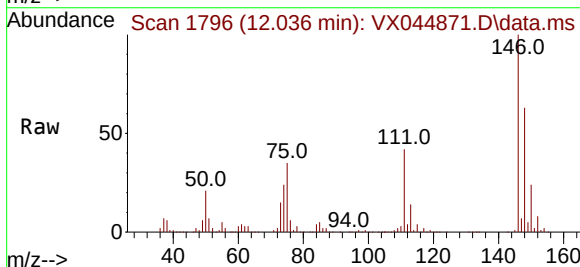
Tgt Ion:146 Resp: 156162

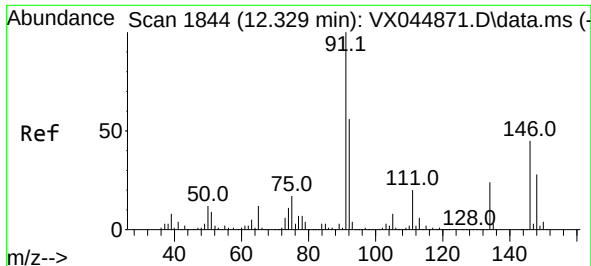
Ion Ratio Lower Upper

146 100

111 40.9 20.4 61.3

148 64.0 32.0 96.0

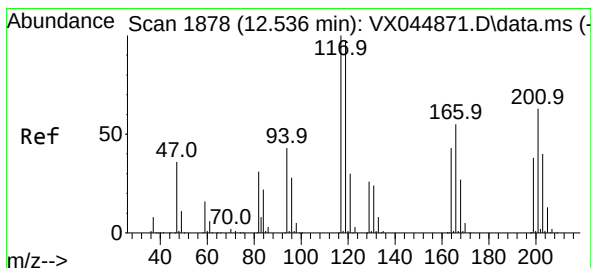
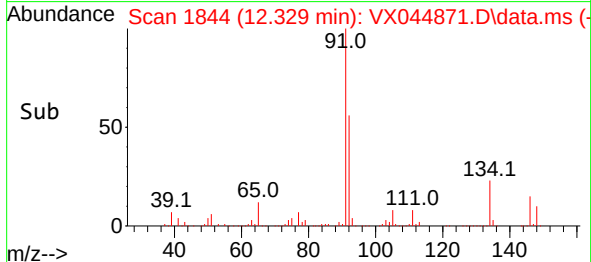
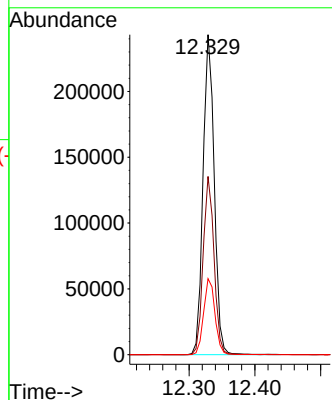
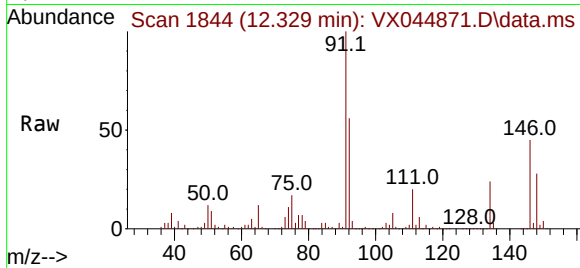




#89
n-Butylbenzene
Concen: 53.315 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

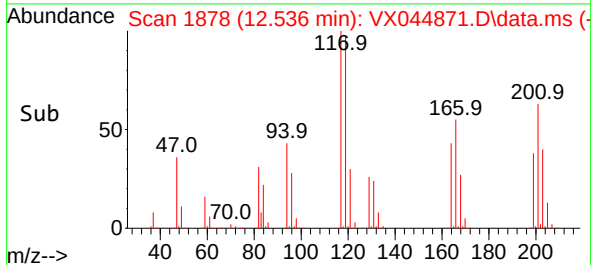
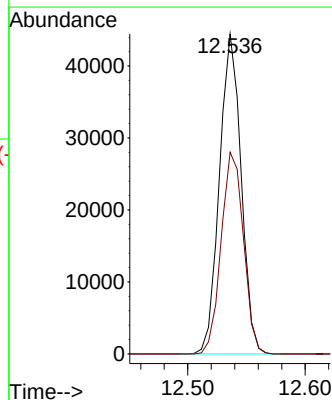
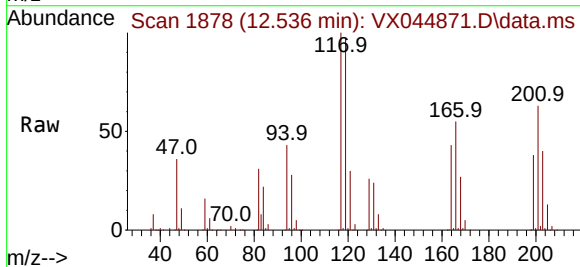
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

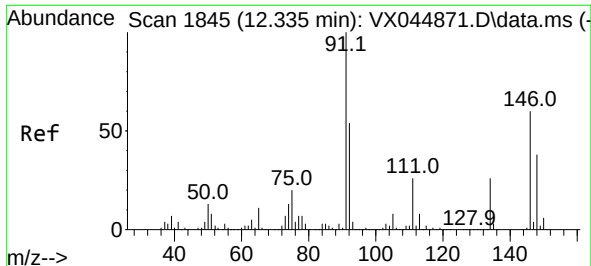
Tgt Ion: 91 Resp: 287649
Ion Ratio Lower Upper
91 100
92 54.4 27.2 81.6
134 24.2 12.1 36.3



#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

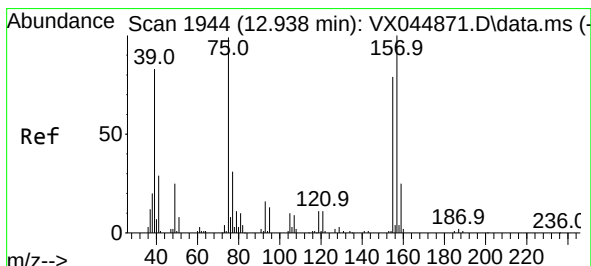
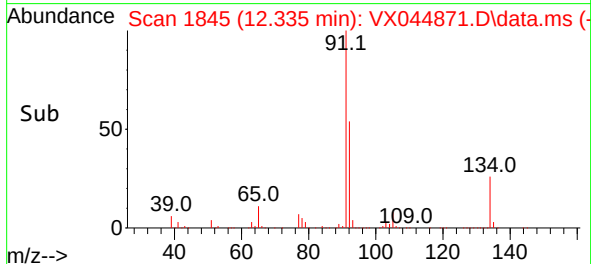
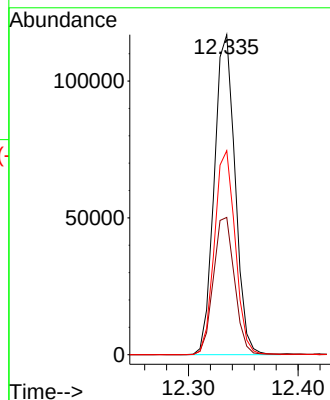
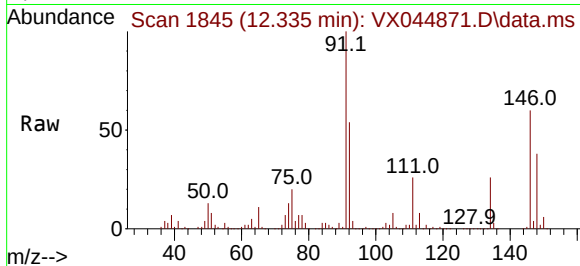




#91
1,2-Dichlorobenzene
Concen: 50.500 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

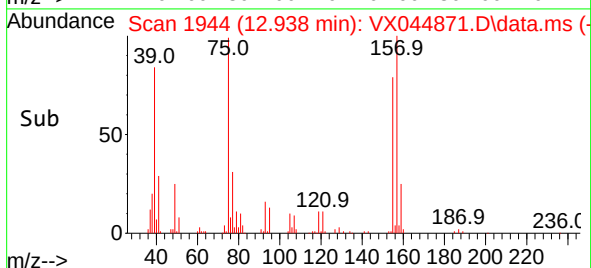
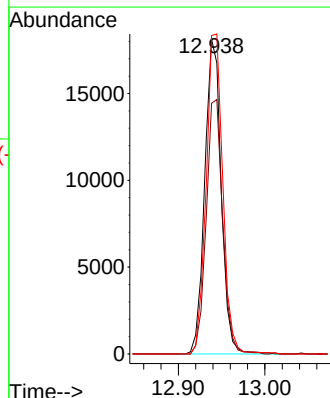
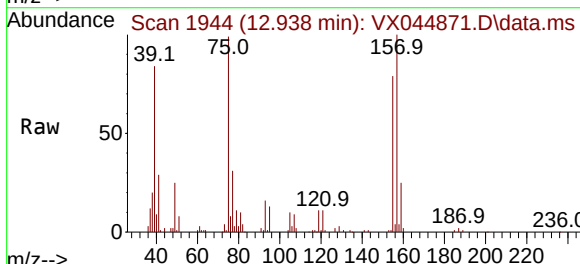
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

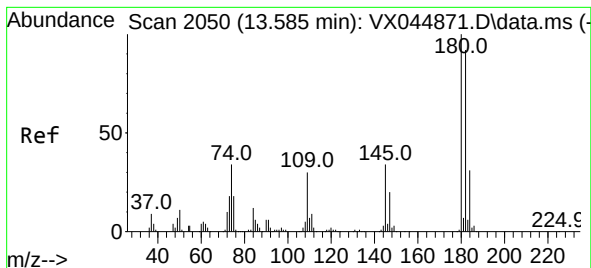
Tgt Ion:146 Resp: 154364
Ion Ratio Lower Upper
146 100
111 43.6 21.8 65.4
148 63.9 31.9 95.9



#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

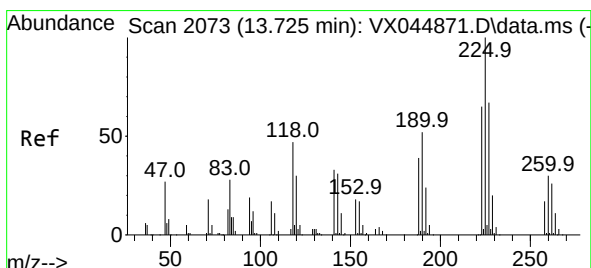
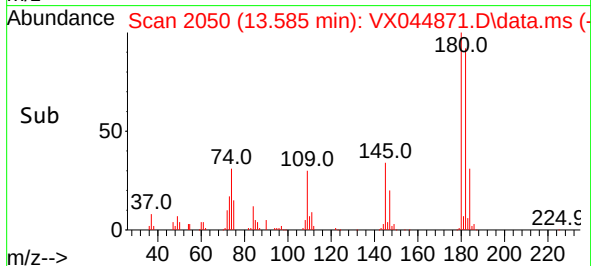
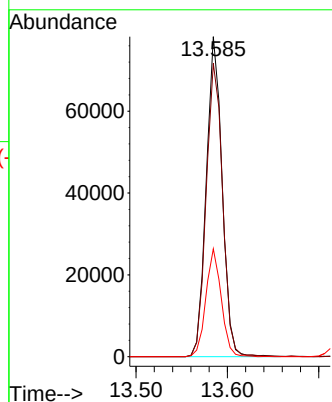
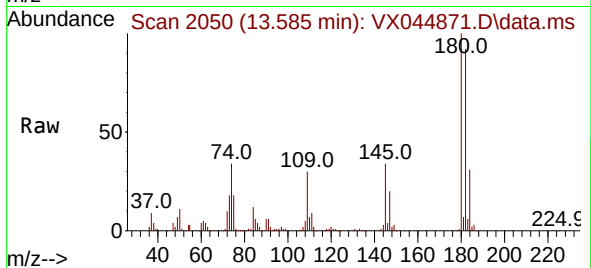
Tgt Ion:180 Resp: 93863

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

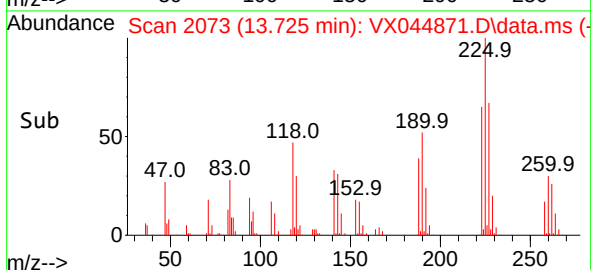
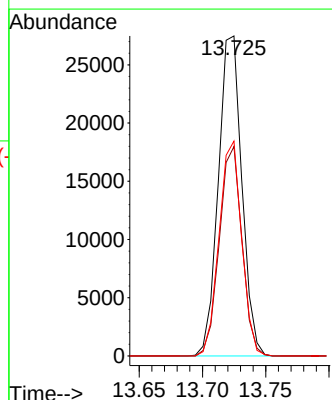
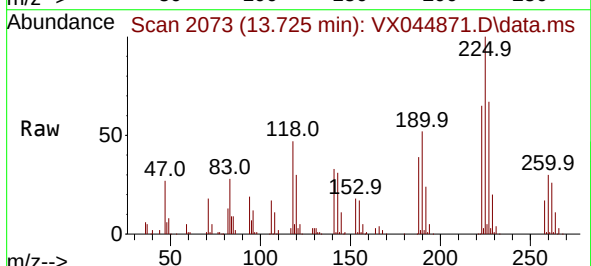
Tgt Ion:225 Resp: 35481

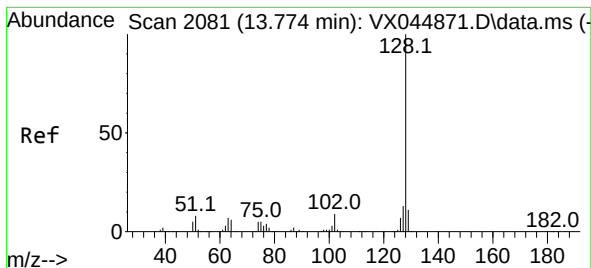
Ion Ratio Lower Upper

225 100

223 62.8 31.4 94.2

227 64.5 32.3 96.8

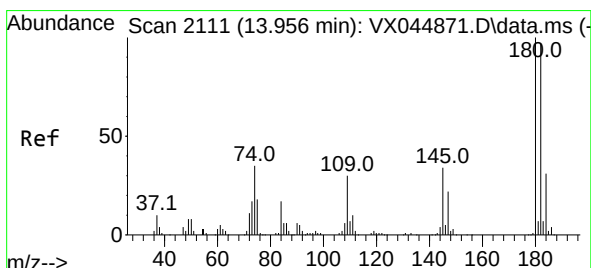
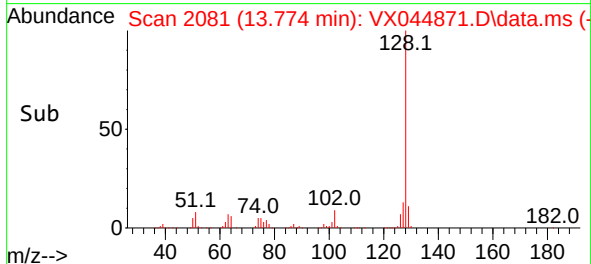
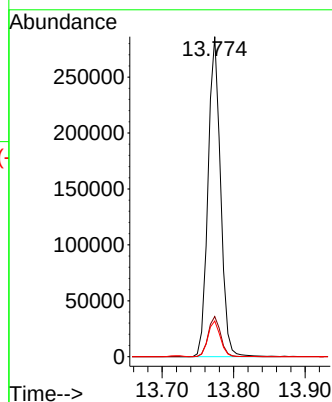
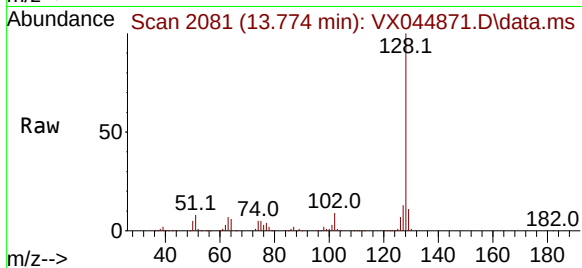




#95
Naphthalene
Concen: 51.995 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

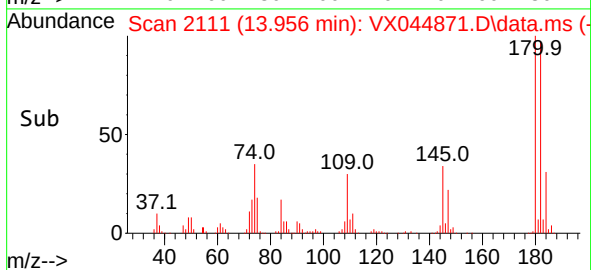
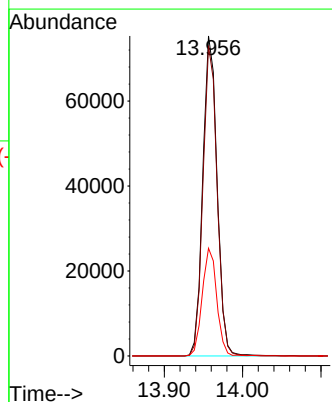
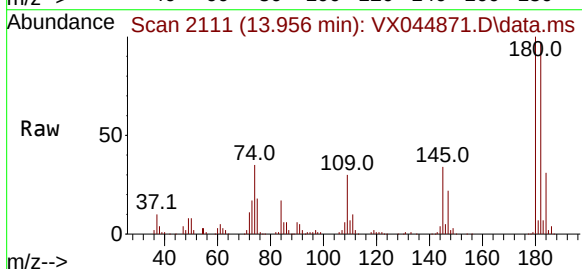
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion	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	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

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

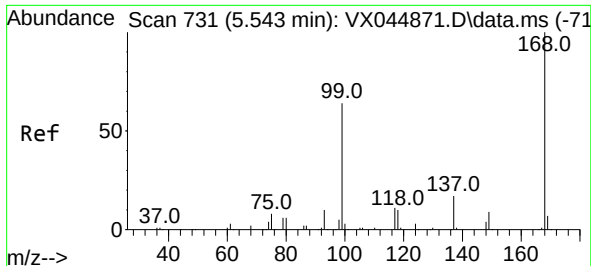
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

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)

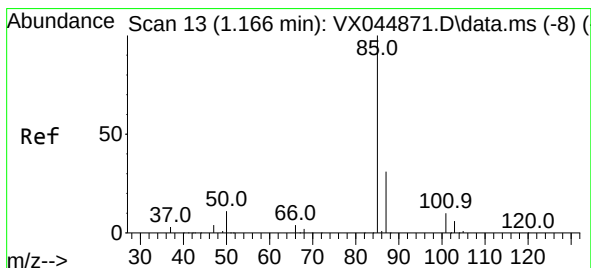
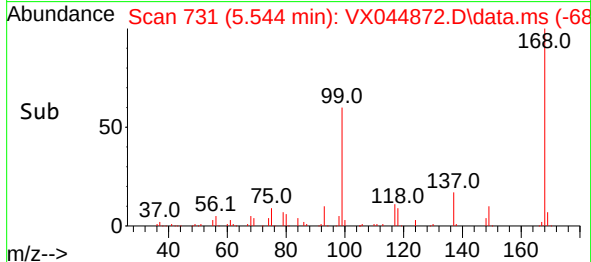
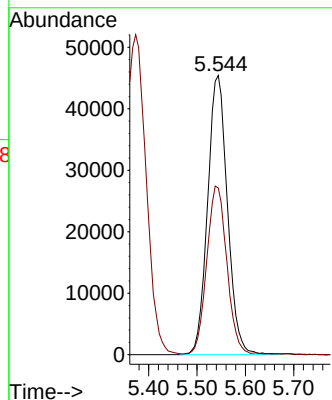
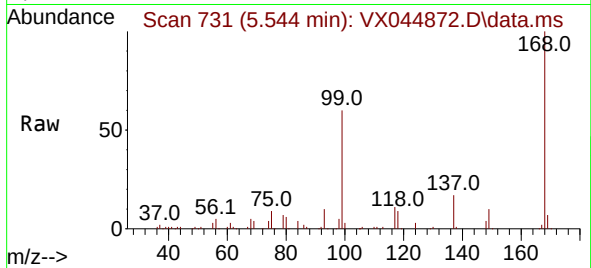
(#) = qualifier out of range (m) = manual integration (+) = signals summed



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

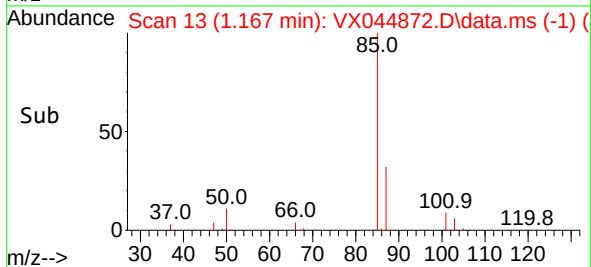
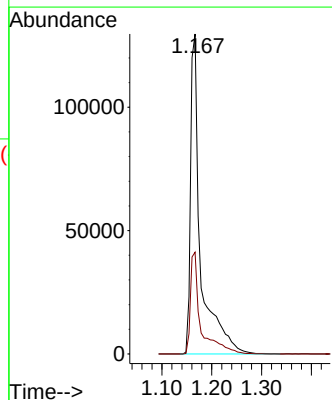
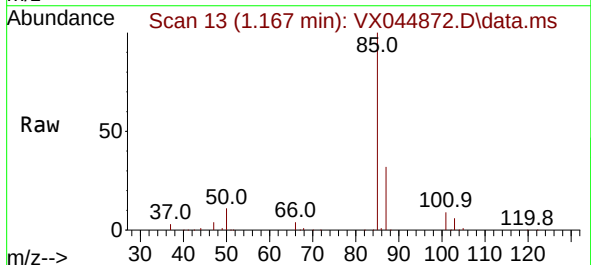
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

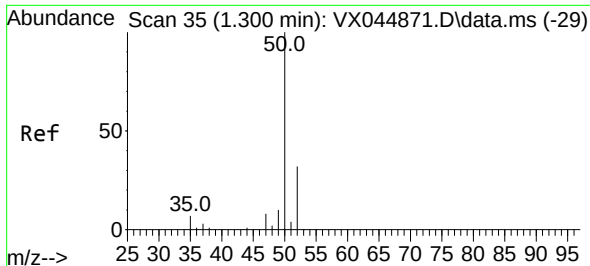
Tgt Ion:168 Resp: 129508
Ion Ratio Lower Upper
168 100
99 59.4 51.2 76.8



#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

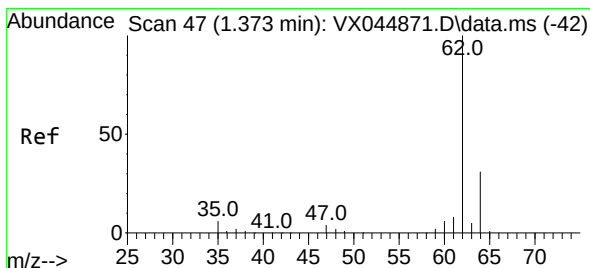
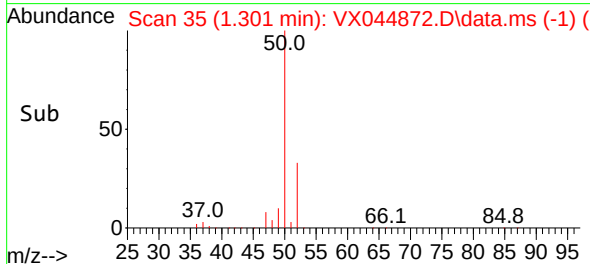
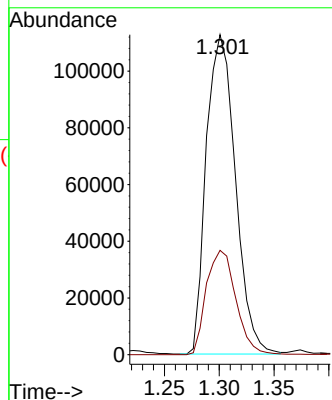
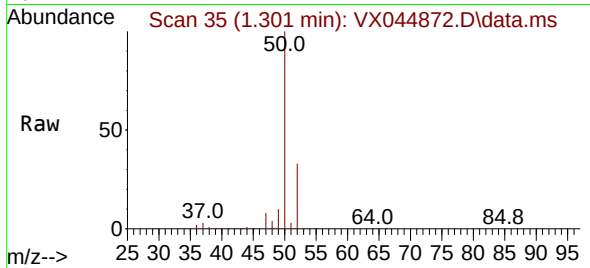




#3
Chloromethane
Concen: 94.275 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

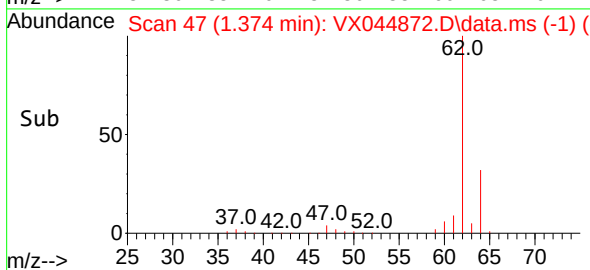
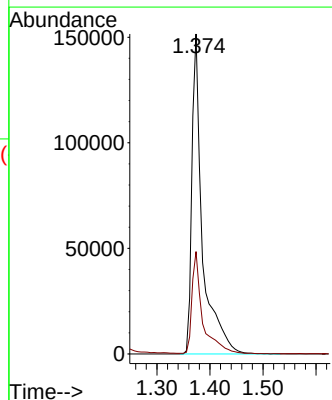
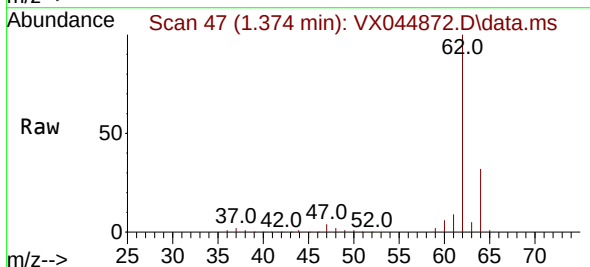
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

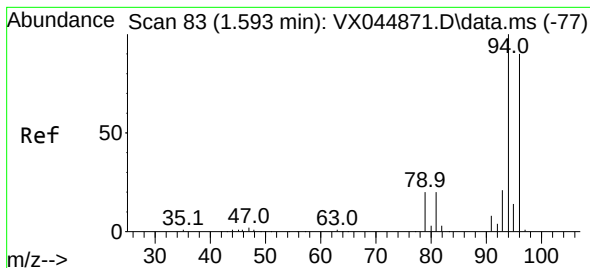
Tgt Ion: 50 Resp: 208416
Ion Ratio Lower Upper
50 100
52 32.7 25.9 38.9



#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 :

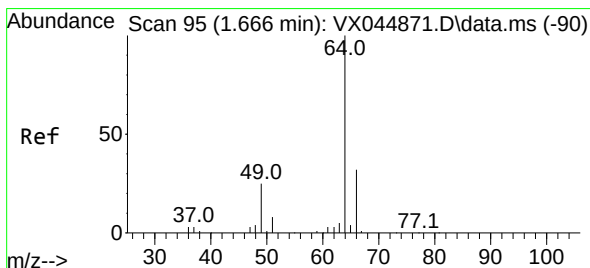
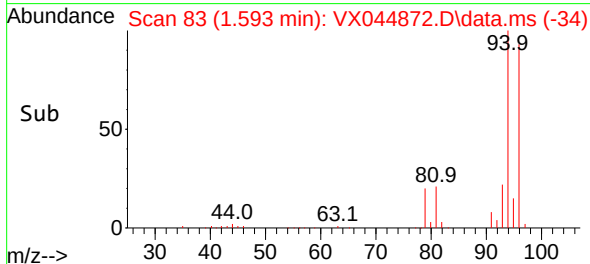
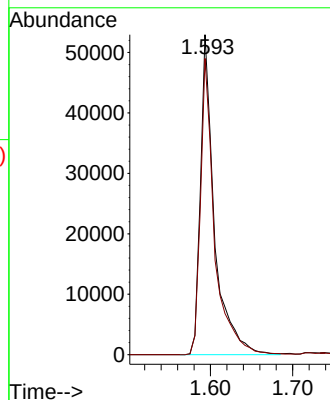
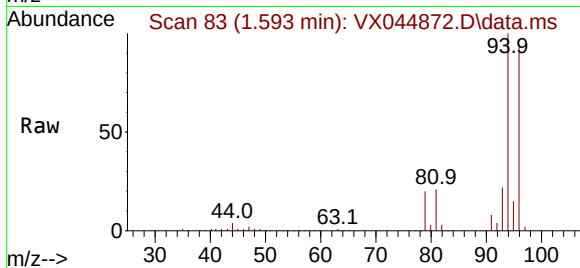
VSTDIC100

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

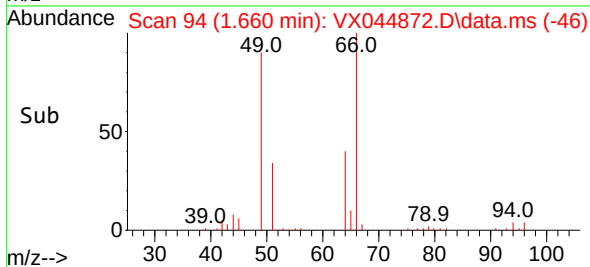
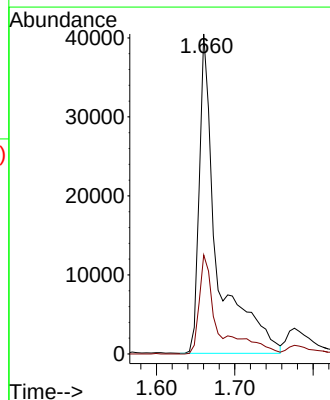
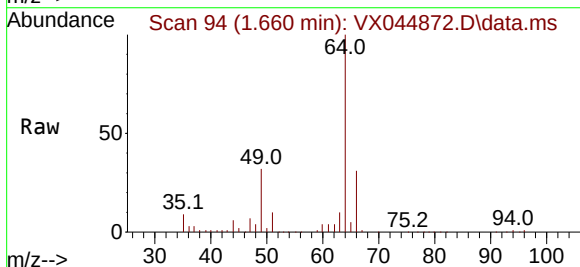
Acq: 10 Feb 2025 12:05

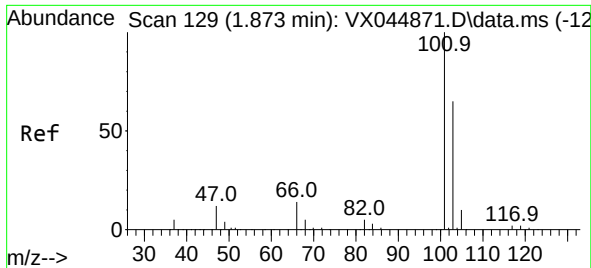
Tgt Ion: 64 Resp: 64581

Ion Ratio Lower Upper

64 100

66 31.0 25.9 38.9

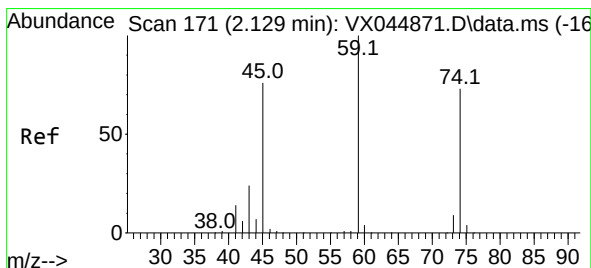
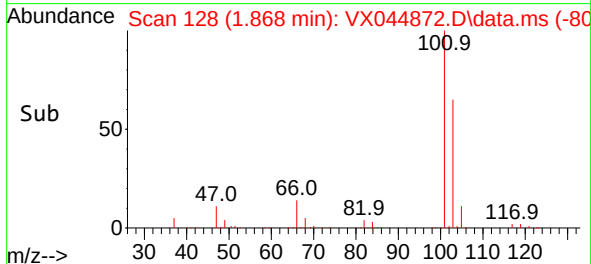
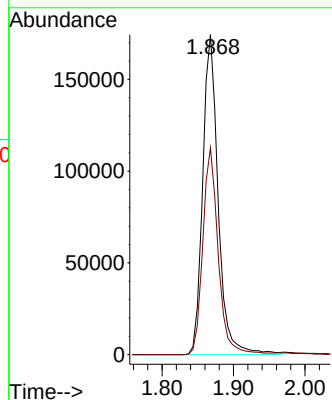
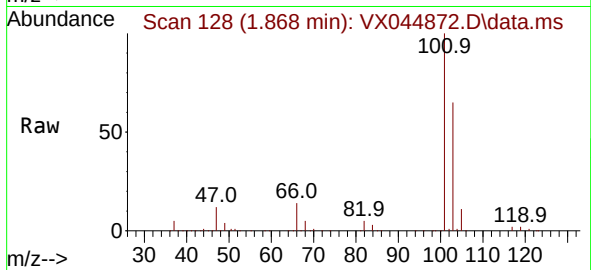




#7
 Trichlorofluoromethane
 Concen: 96.865 ug/l
 RT: 1.868 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

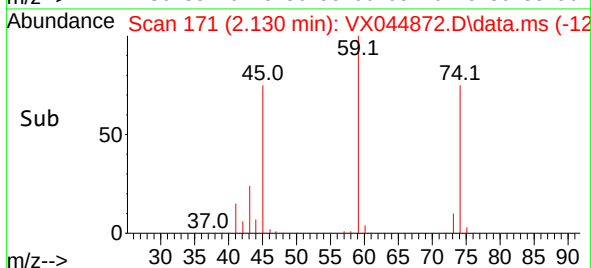
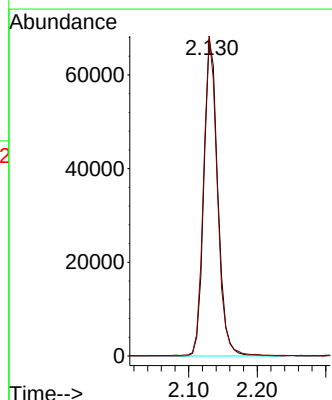
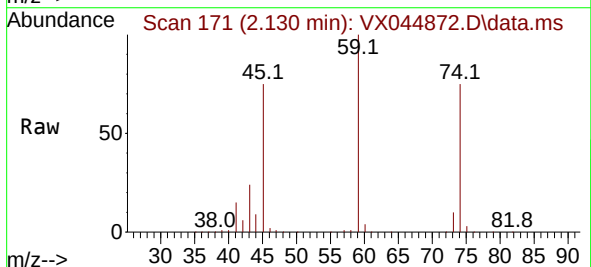
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

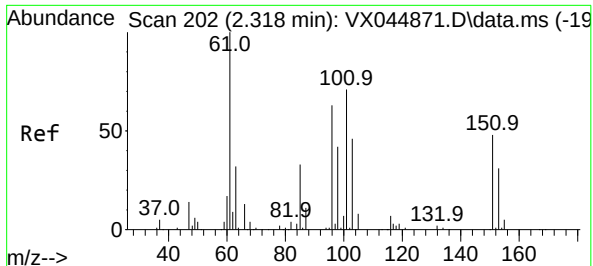
Tgt Ion:101 Resp: 262354
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.4 78.6



#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

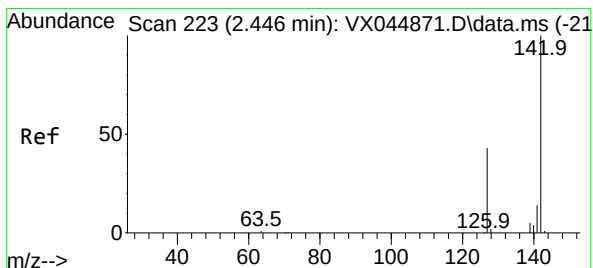
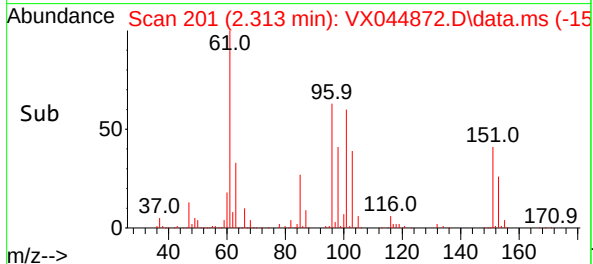
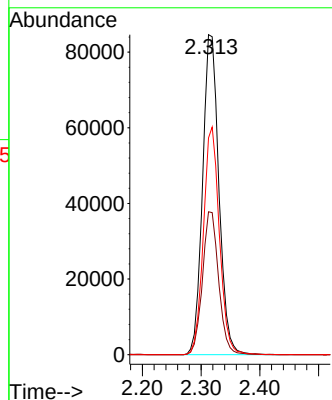
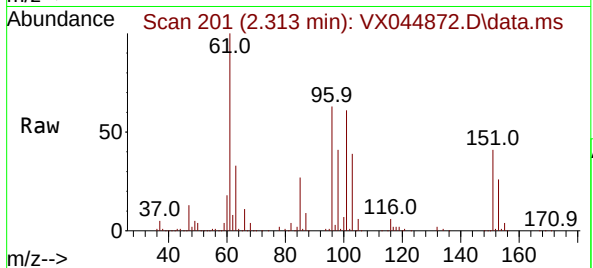




#9
1,1,2-Trichlorotrifluoroethane
Concen: 99.860 ug/l
RT: 2.313 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

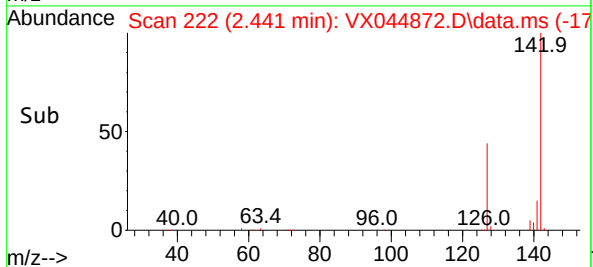
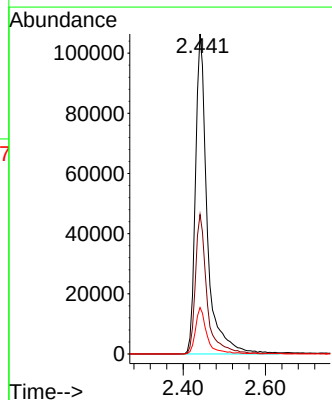
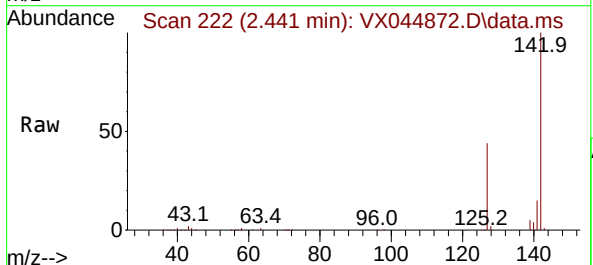
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

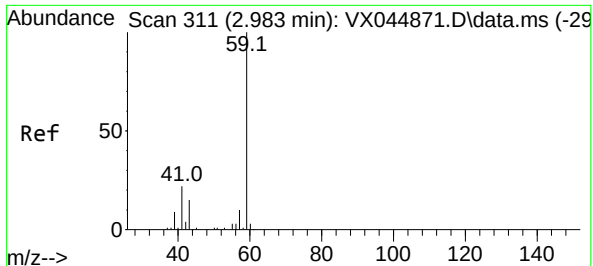
Tgt Ion:101 Resp: 163414
Ion Ratio Lower Upper
101 100
85 44.3 35.7 53.5
151 69.8 56.0 84.0



#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

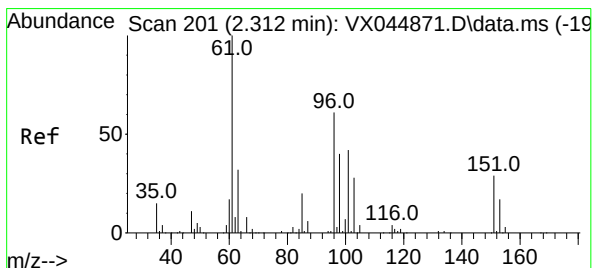
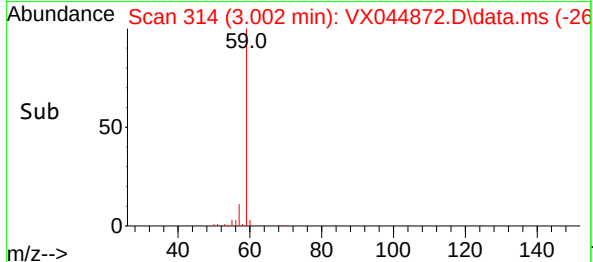
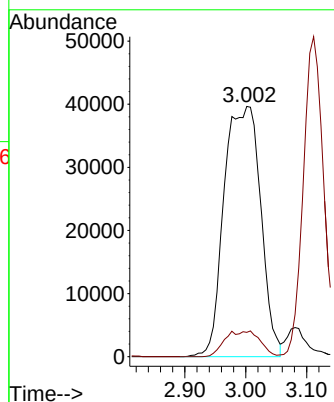
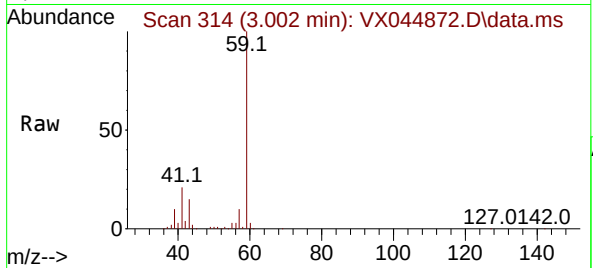




#11
Tert butyl alcohol
Concen: 469.903 ug/l
RT: 3.002 min Scan# 311
Delta R.T. 0.019 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

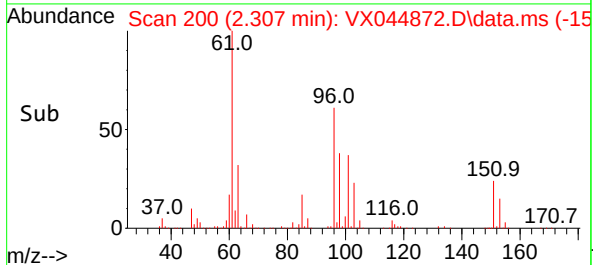
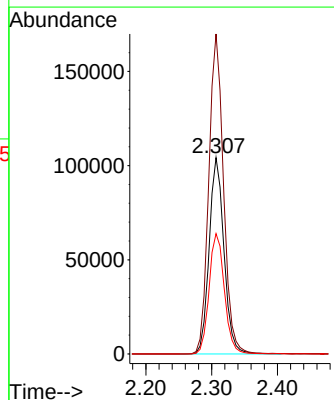
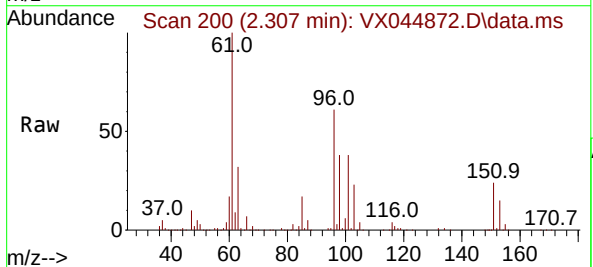
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

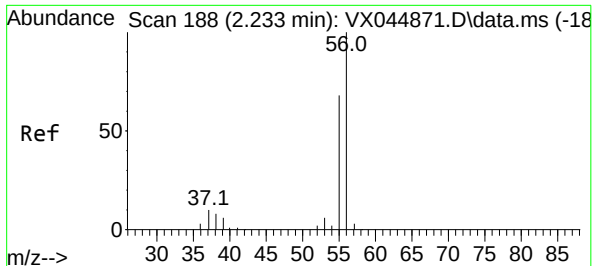
Tgt Ion: 59 Resp: 165263
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#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

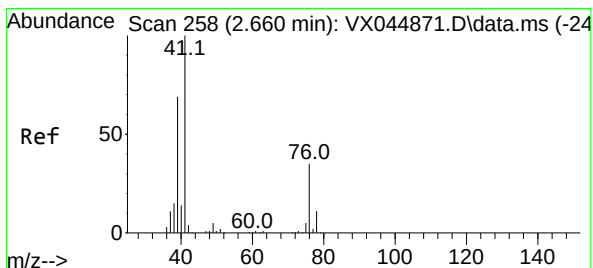
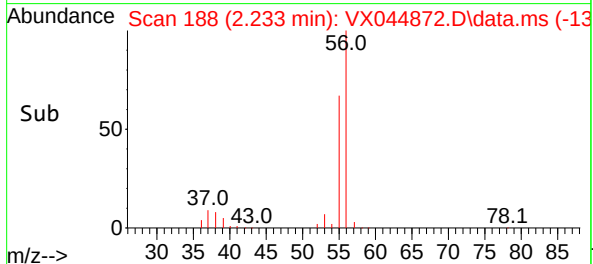
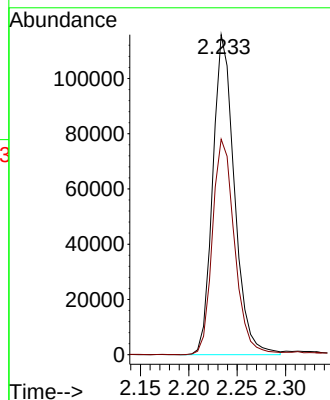
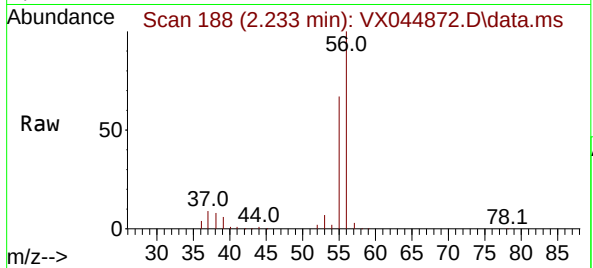




#13
Acrolein
Concen: 497.628 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

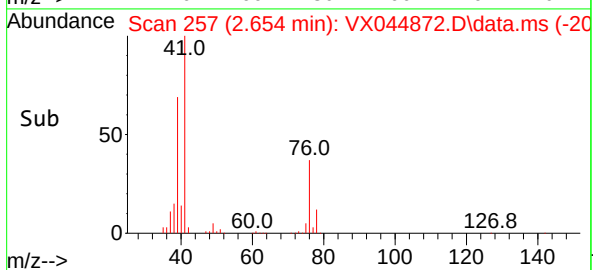
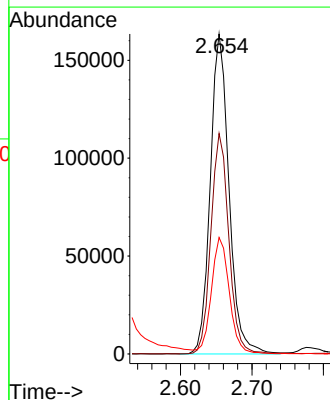
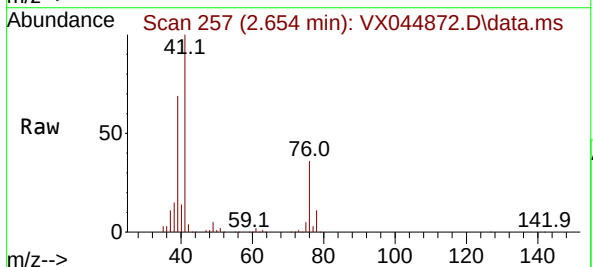
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

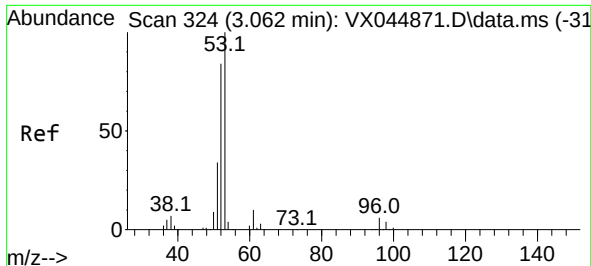
Tgt Ion: 56 Resp: 180570
Ion Ratio Lower Upper
56 100
55 68.9 55.7 83.5



#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

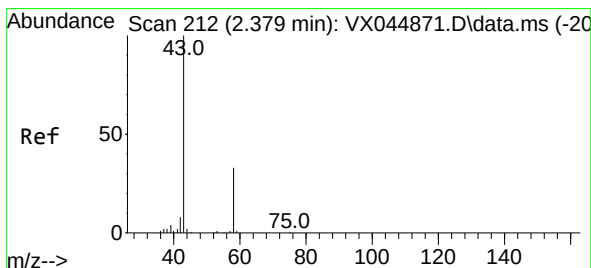
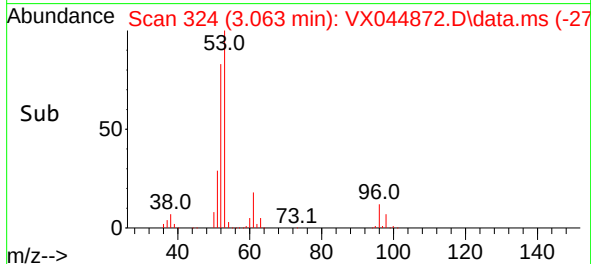
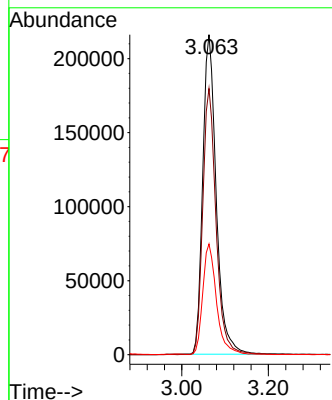
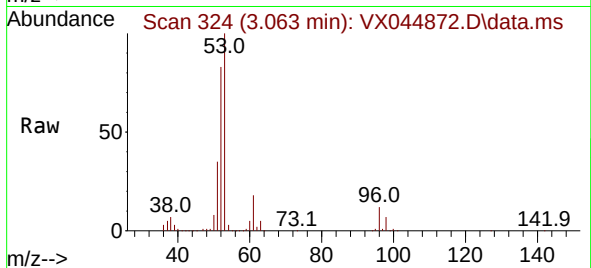




#15
Acrylonitrile
Concen: 497.173 ug/l
RT: 3.063 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

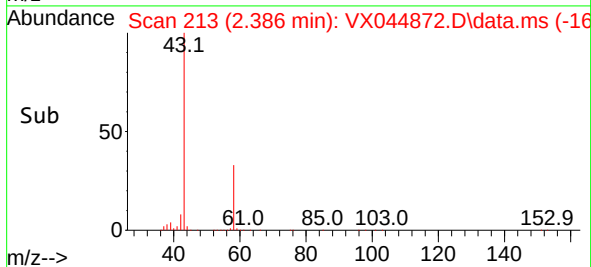
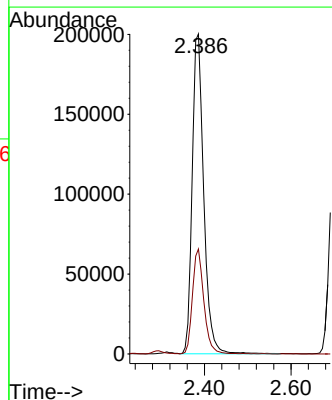
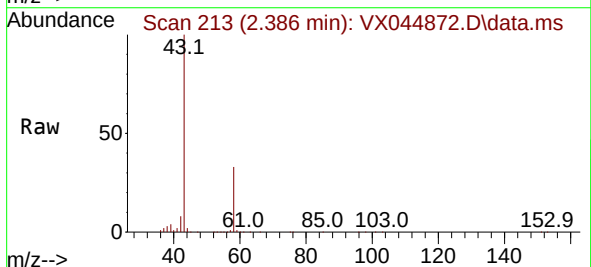
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

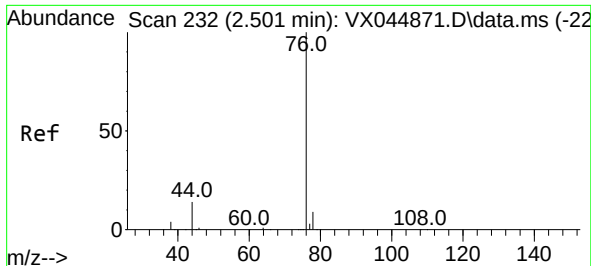
Tgt Ion: 53 Resp: 466855
Ion Ratio Lower Upper
53 100
52 82.4 65.0 97.6
51 34.9 28.0 42.0



#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

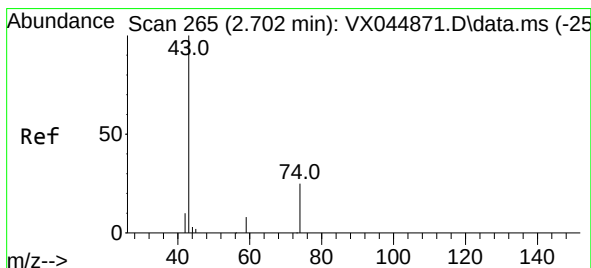
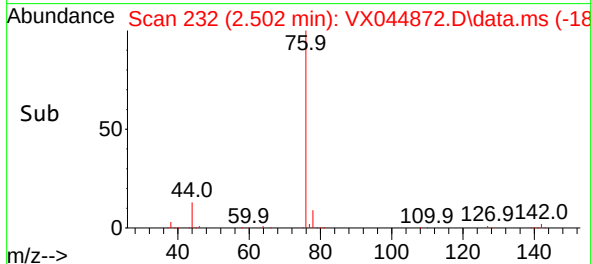
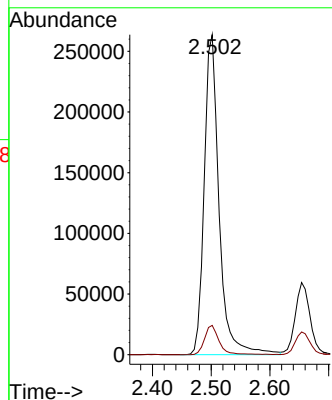
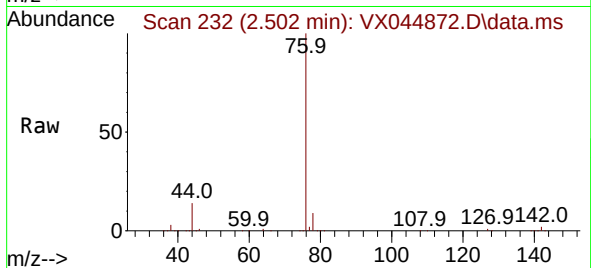




#17
Carbon Disulfide
Concen: 101.216 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

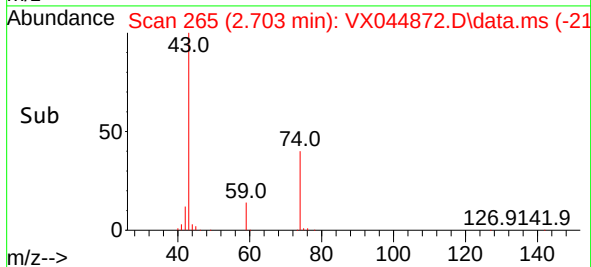
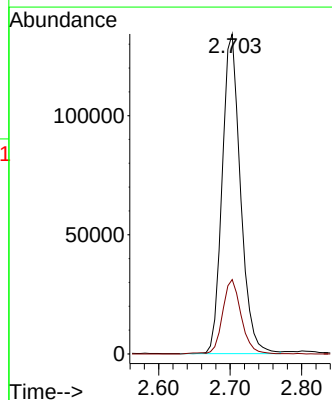
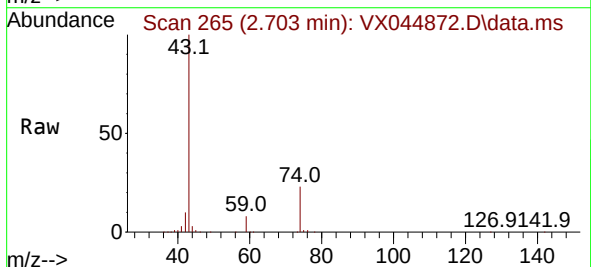
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

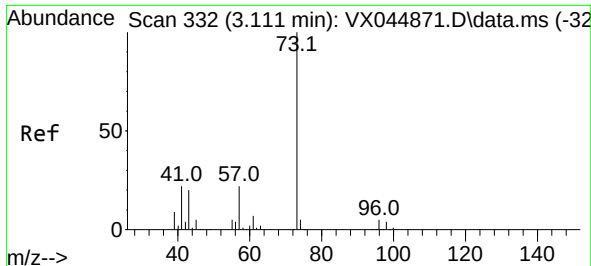
Tgt Ion: 76 Resp: 463308
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4



#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

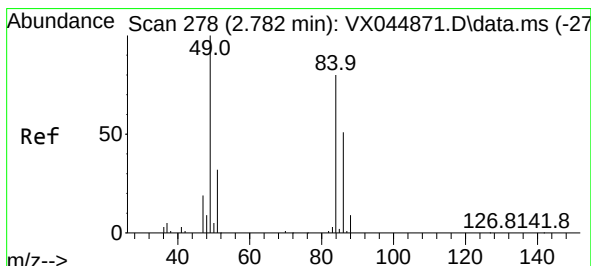
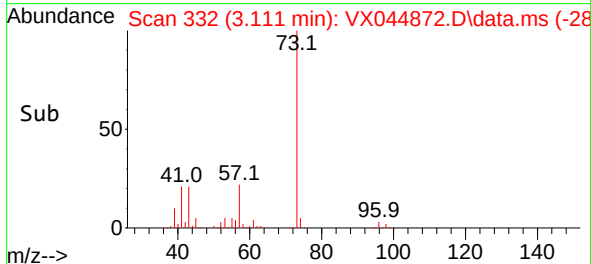
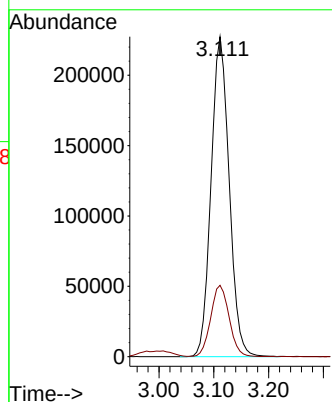
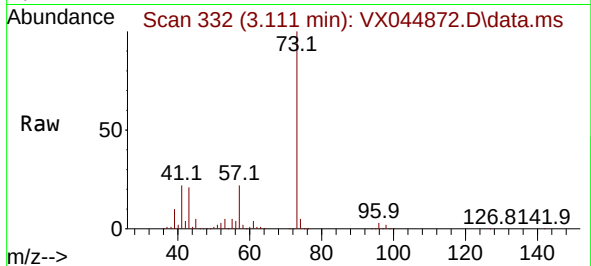




#19
Methyl tert-butyl Ether
Concen: 98.098 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

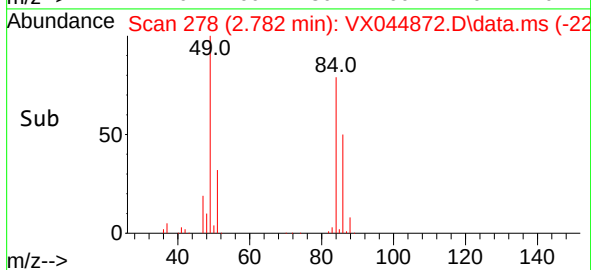
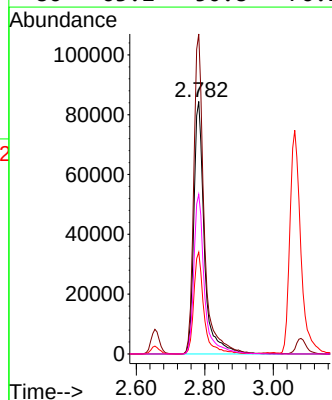
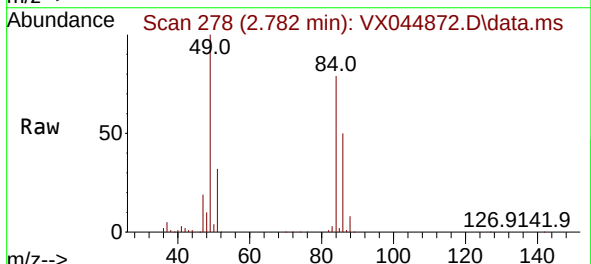
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

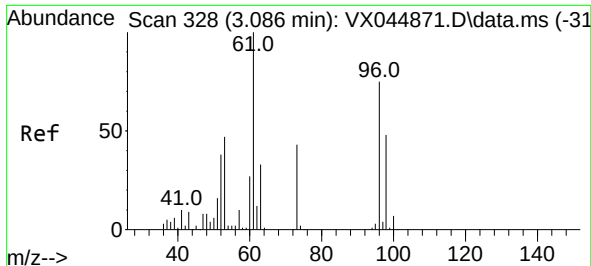
Tgt Ion: 73 Resp: 521003
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9



#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

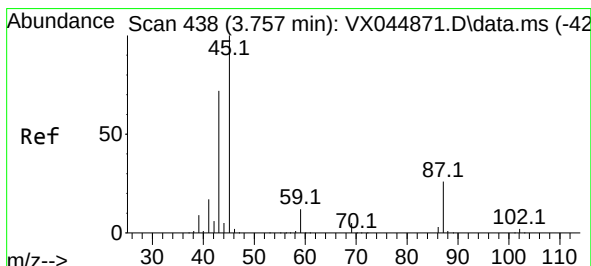
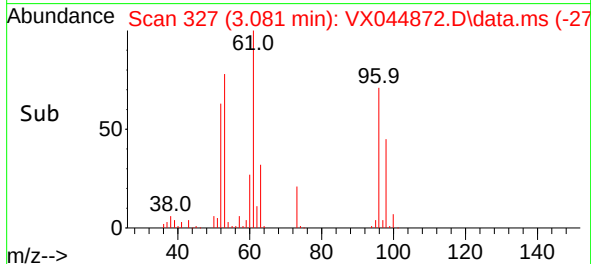
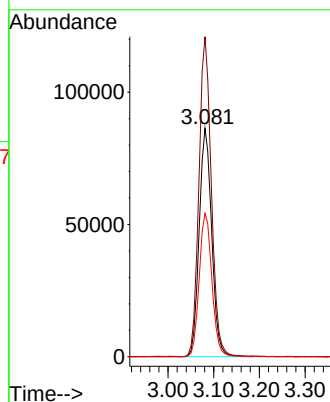
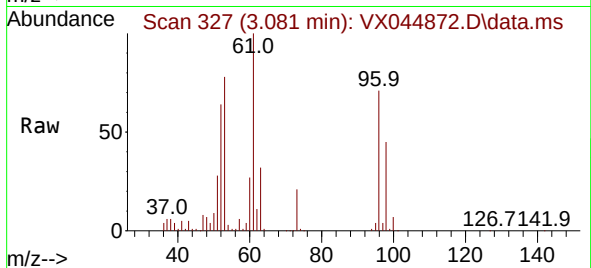




#21
trans-1,2-Dichloroethene
Concen: 99.864 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

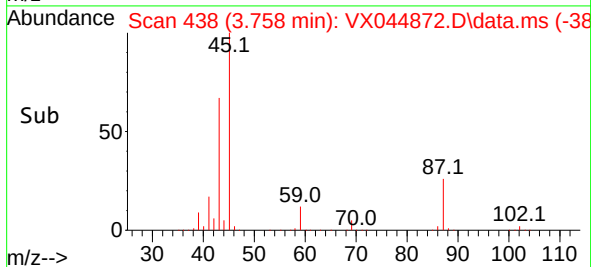
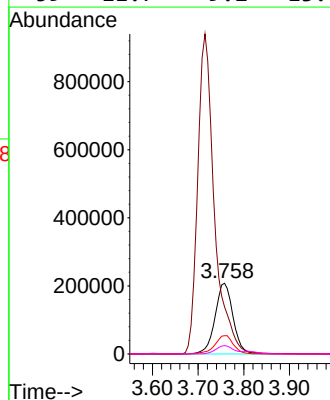
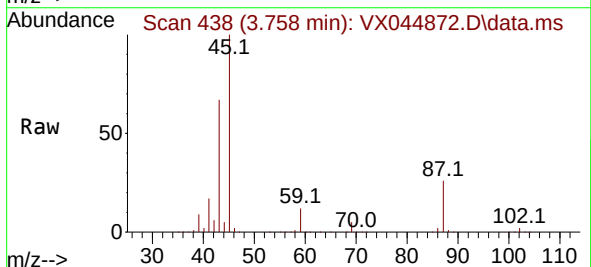
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

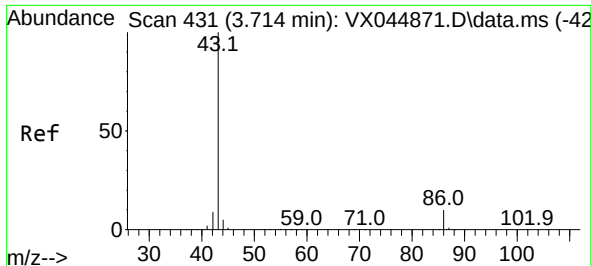
Tgt Ion: 96 Resp: 164067
Ion Ratio Lower Upper
96 100
61 140.2 106.0 159.0
98 62.8 50.6 76.0



#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

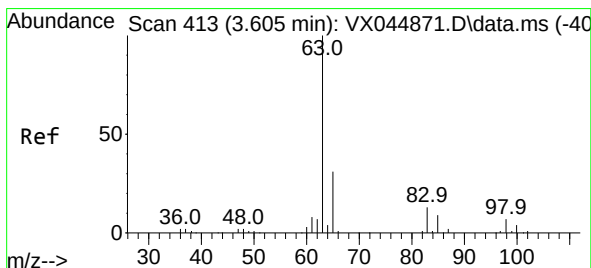
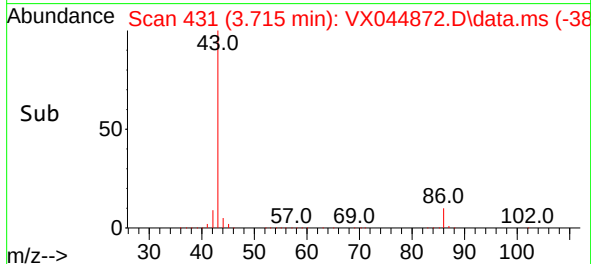
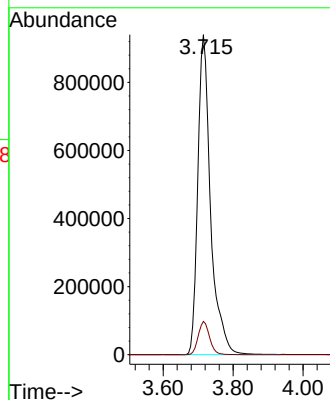
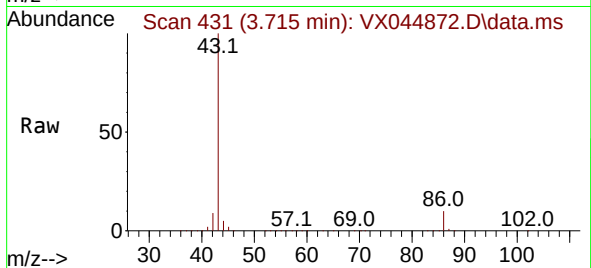




#23
 Vinyl Acetate
 Concen: 513.051 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

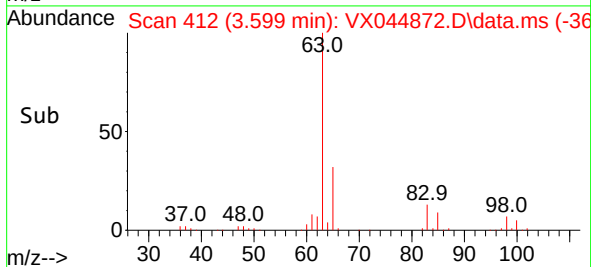
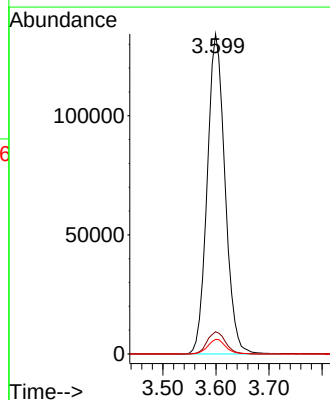
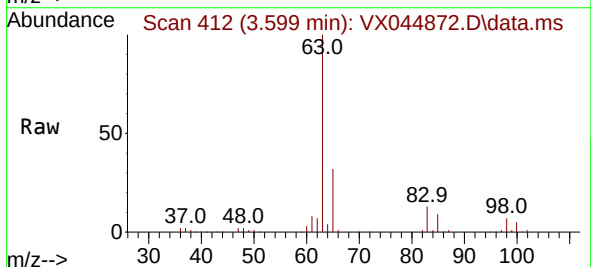
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

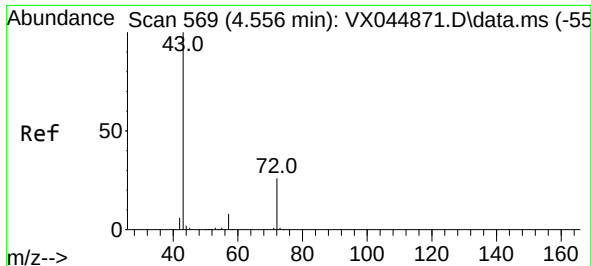
Tgt Ion: 43 Resp: 2387200
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5



#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

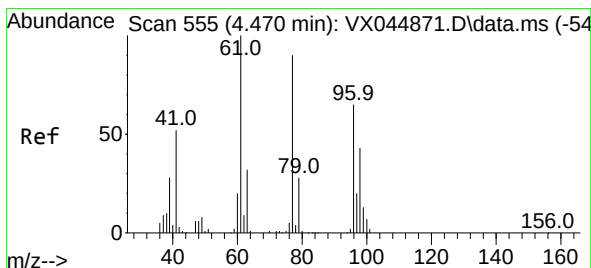
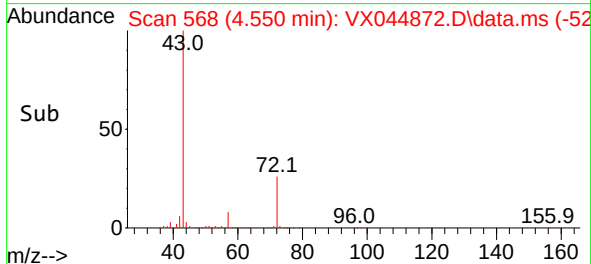
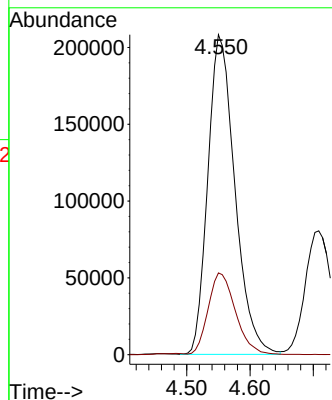
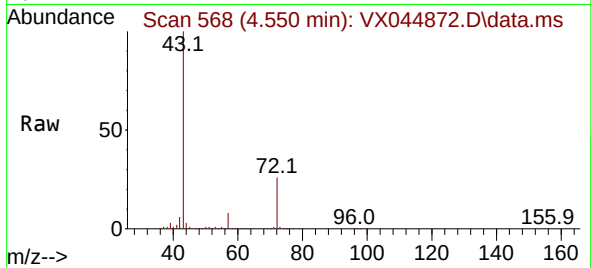




#25
2-Butanone
Concen: 498.801 ug/l
RT: 4.550 min Scan# 568
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

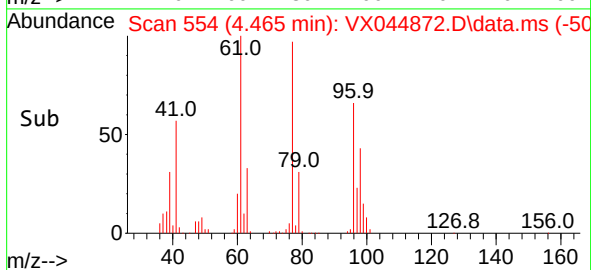
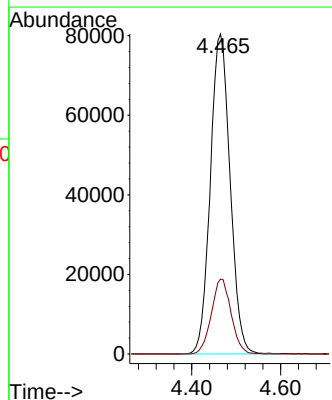
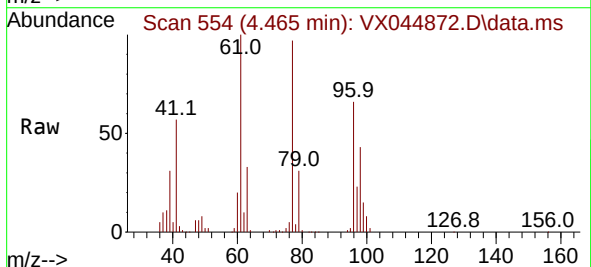
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

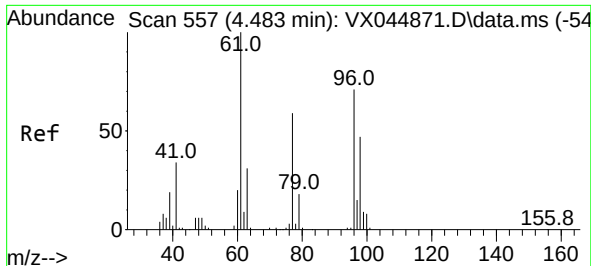
Tgt Ion: 43 Resp: 617283
Ion Ratio Lower Upper
43 100
72 25.4 21.2 31.8



#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 :

VSTDIC100

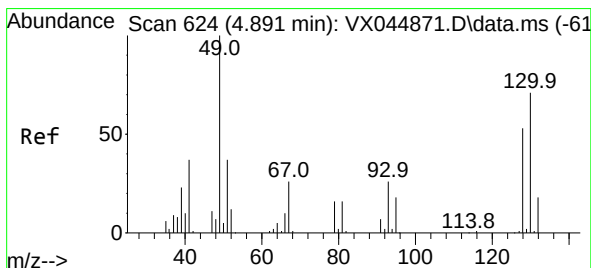
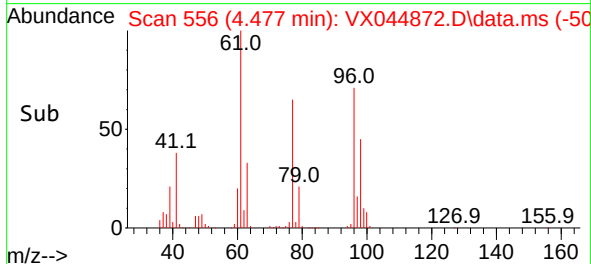
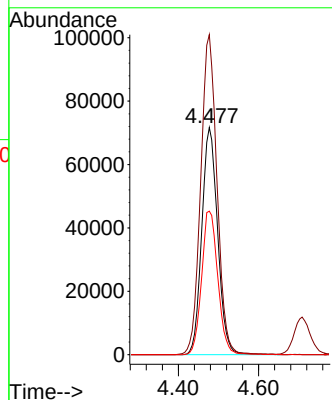
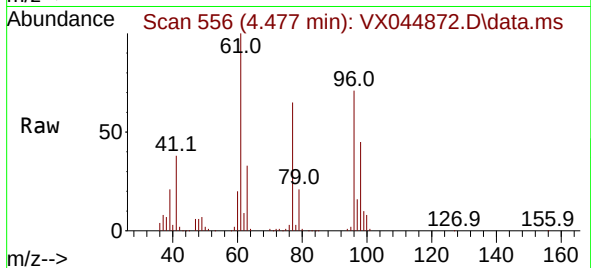
Tgt Ion: 96 Resp: 196381

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

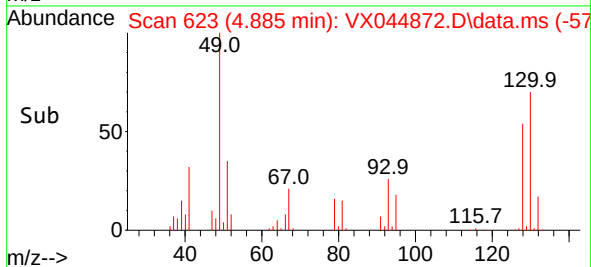
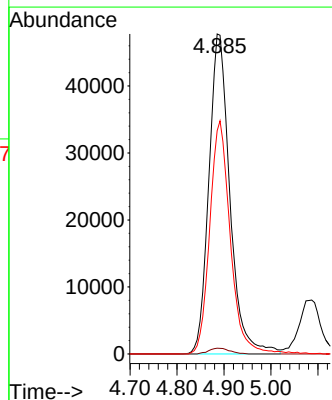
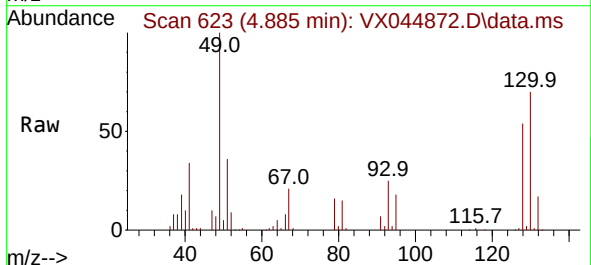
Tgt Ion: 49 Resp: 148137

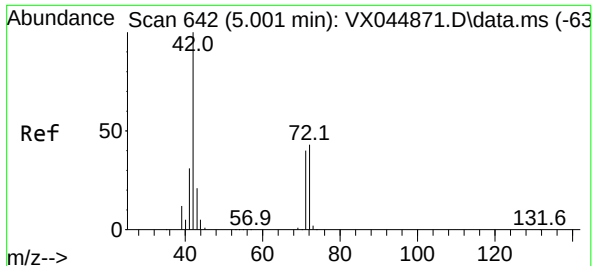
Ion Ratio Lower Upper

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# 641

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

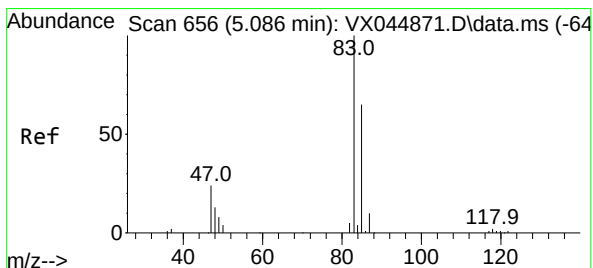
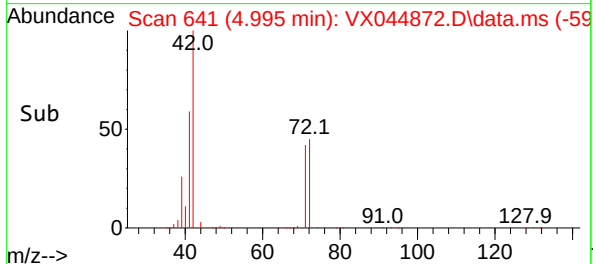
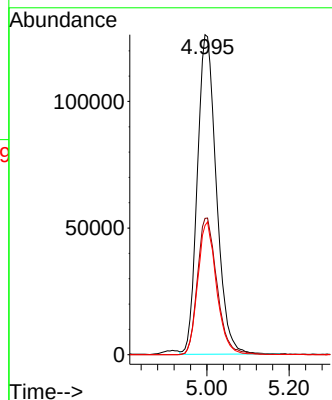
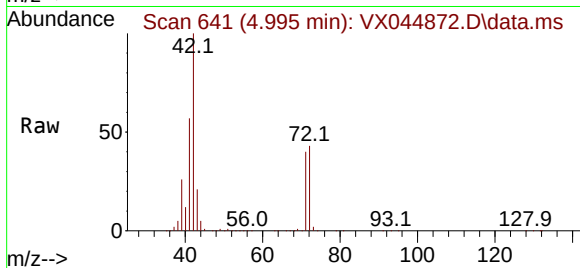
Tgt Ion: 42 Resp: 405208

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

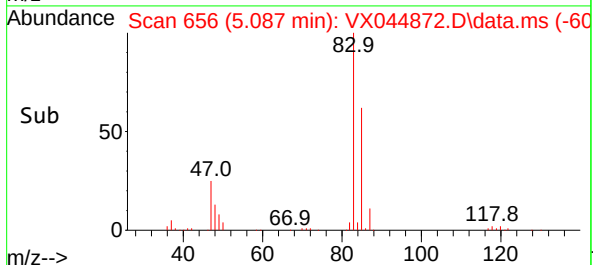
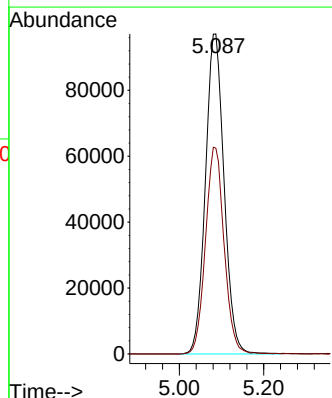
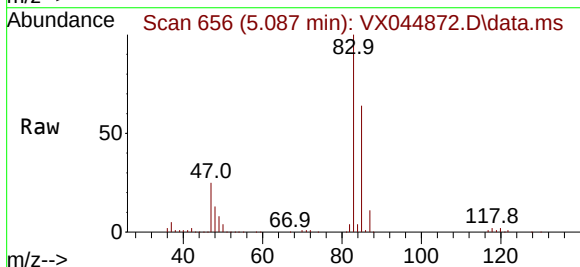
Acq: 10 Feb 2025 12:05

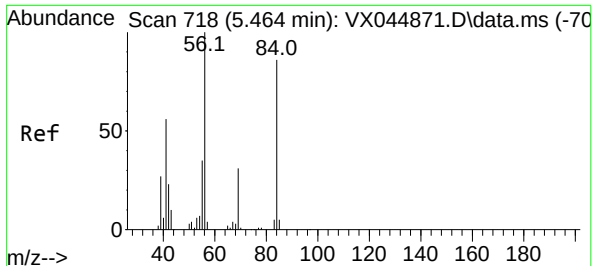
Tgt Ion: 83 Resp: 298690

Ion Ratio Lower Upper

83 100

85 64.3 52.1 78.1

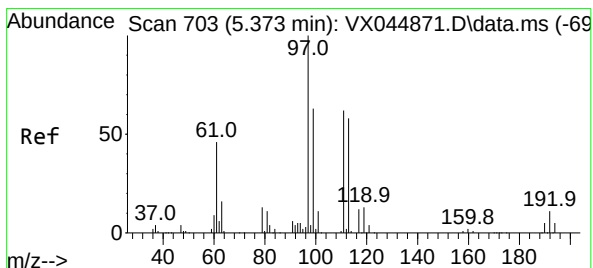
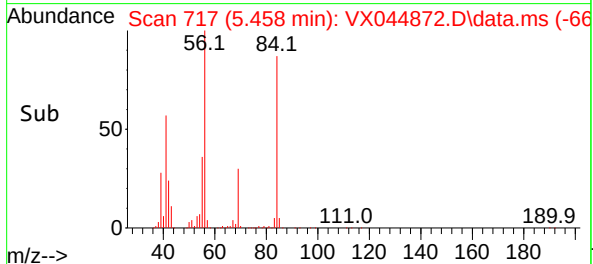
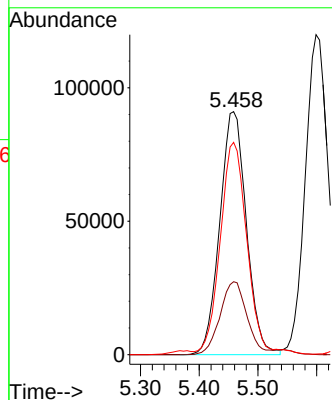
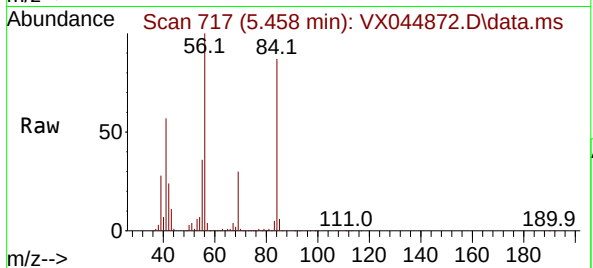




#31
Cyclohexane
Concen: 97.426 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

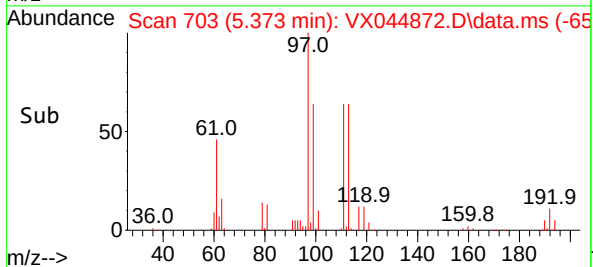
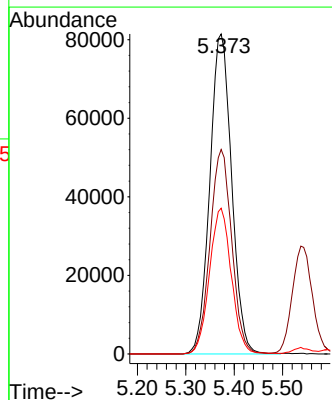
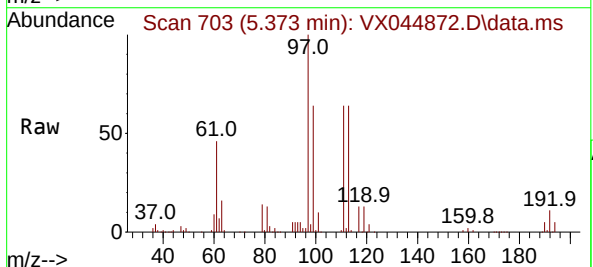
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

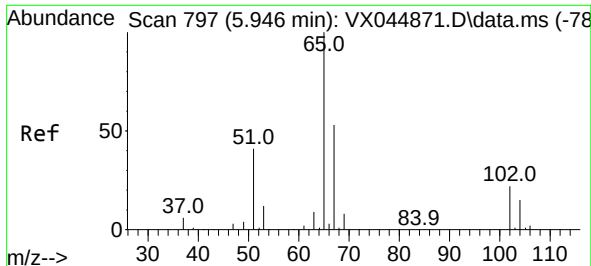
Tgt Ion: 56 Resp: 286830
Ion Ratio Lower Upper
56 100
69 30.0 24.4 36.6
84 85.7 69.0 103.6



#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 :

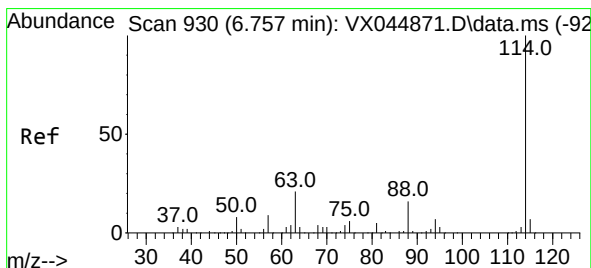
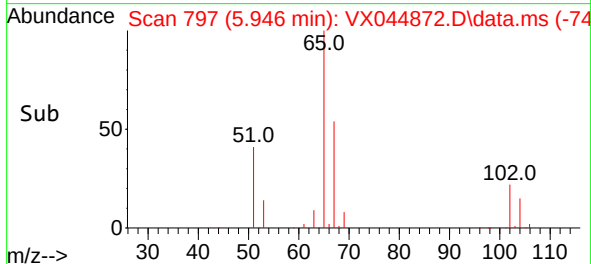
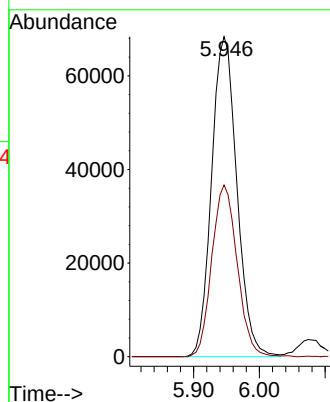
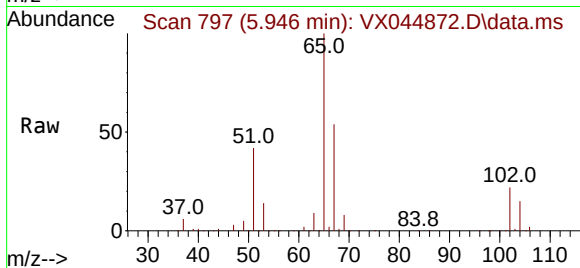
VSTDIC100

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

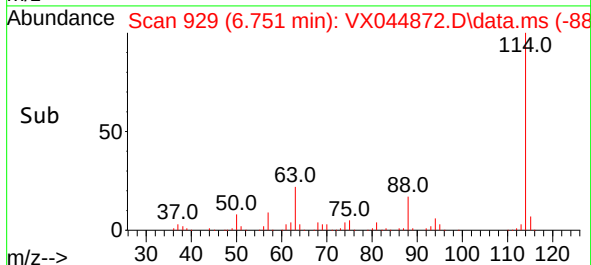
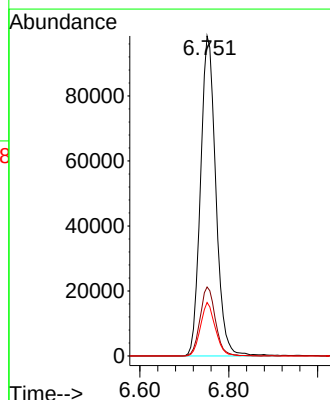
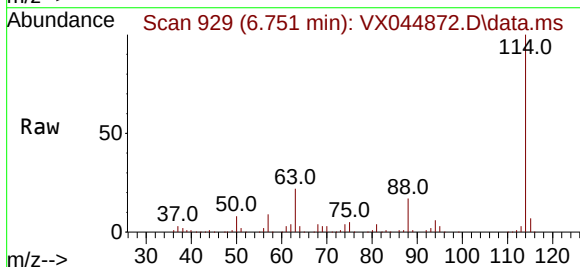
Tgt Ion: 114 Resp: 236372

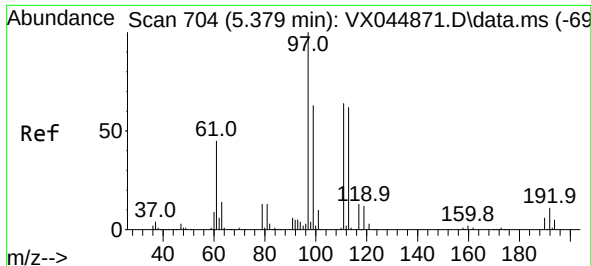
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.4

88 16.7 0.0 31.4

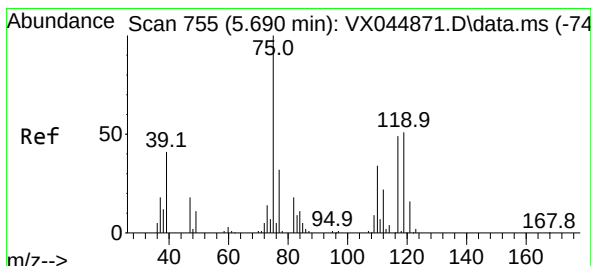
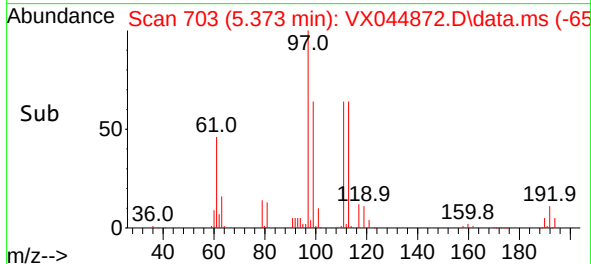
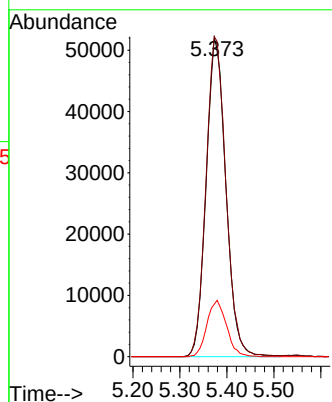
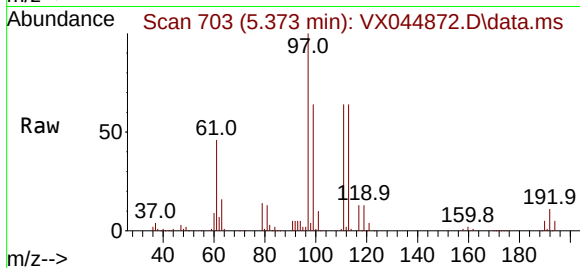




#35
 Dibromofluoromethane
 Concen: 98.404 ug/l
 RT: 5.373 min Scan# 704
 Delta R.T. -0.006 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

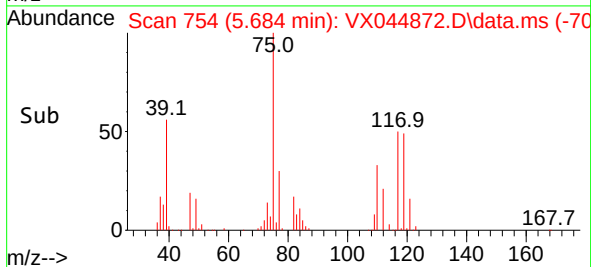
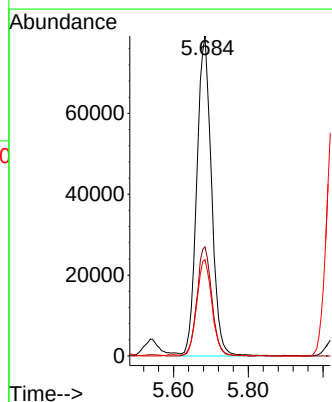
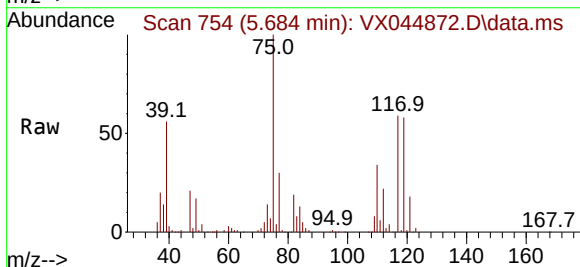
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

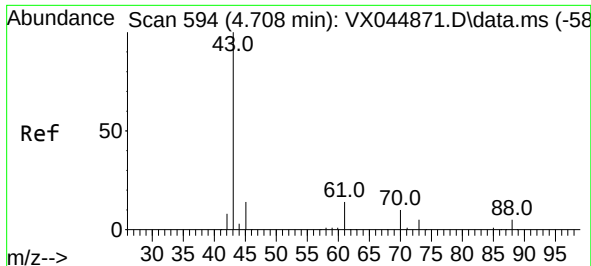
Tgt Ion:113 Resp: 151228
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.5 125.3
 192 17.6 14.4 21.6



#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

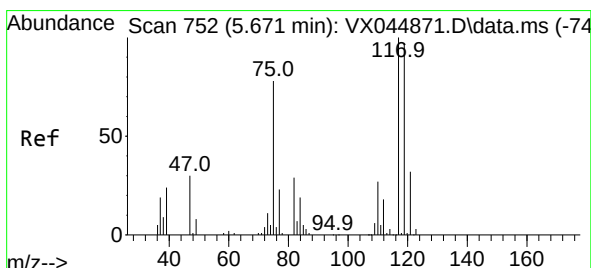
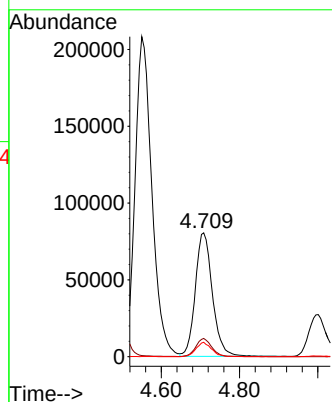
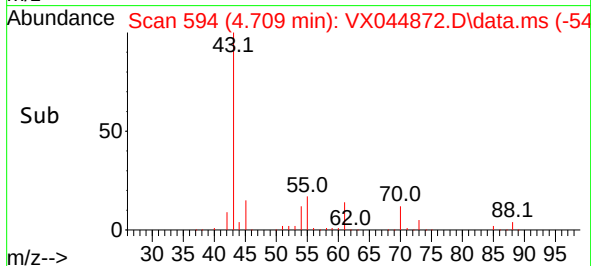
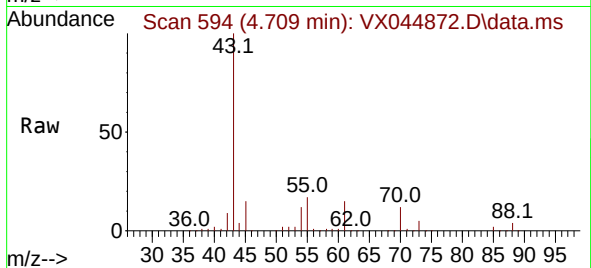




#37
Ethyl Acetate
Concen: 99.005 ug/l
RT: 4.709 min Scan# 594
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

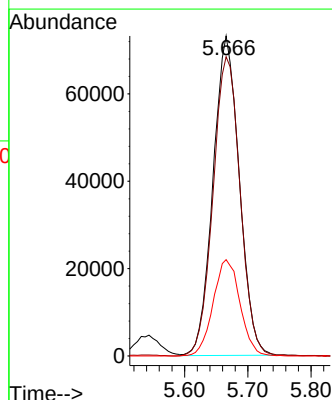
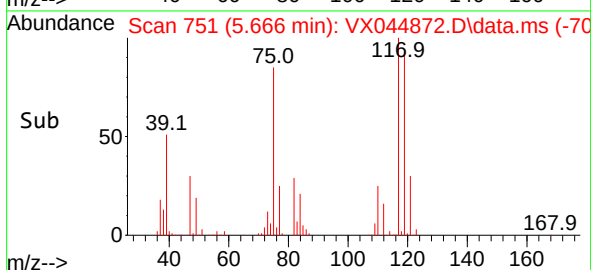
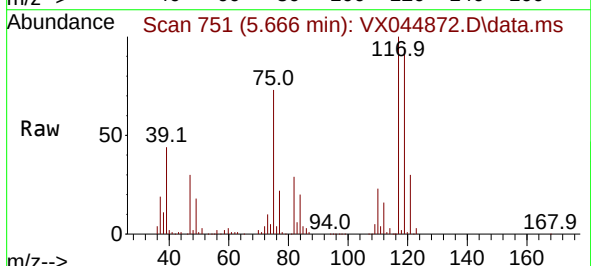
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

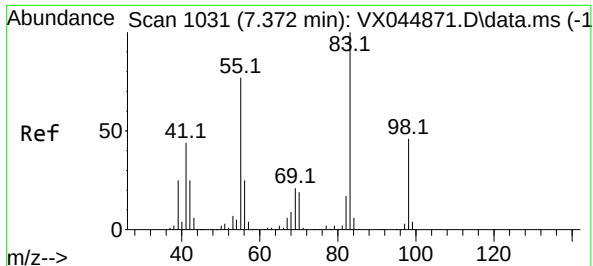
Tgt Ion: 43 Resp: 244164
Ion Ratio Lower Upper
43 100
61 14.0 11.0 16.4
70 10.6 8.2 12.2



#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

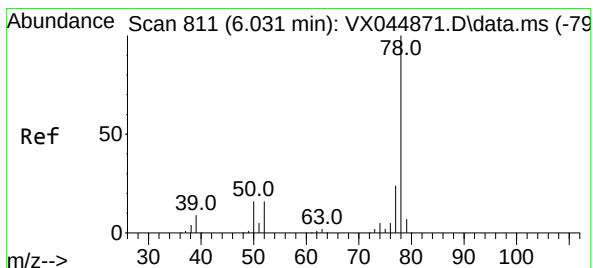
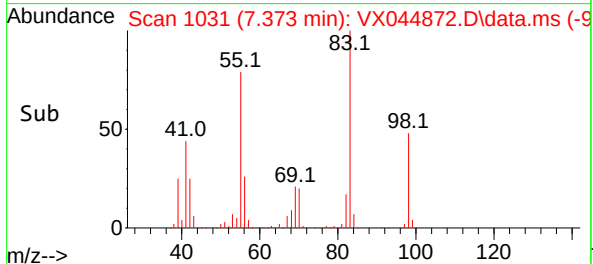
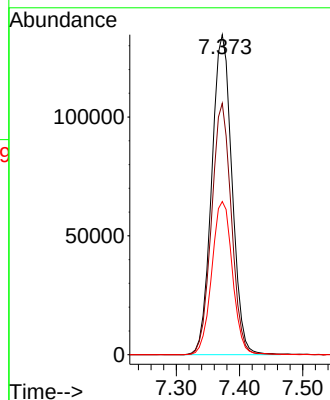
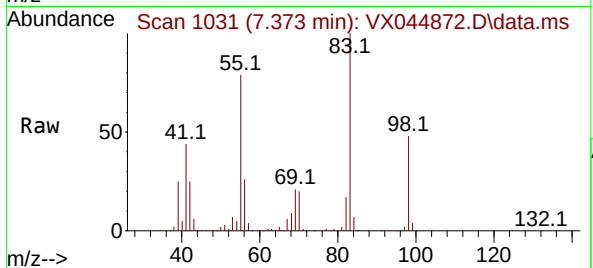
Tgt Ion: 83 Resp: 299703

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

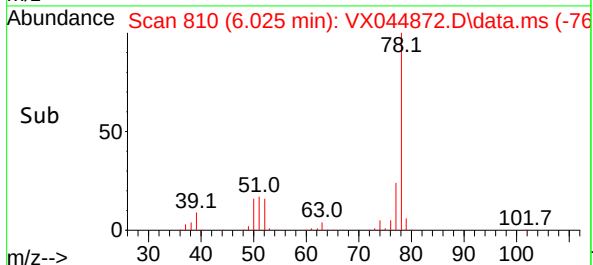
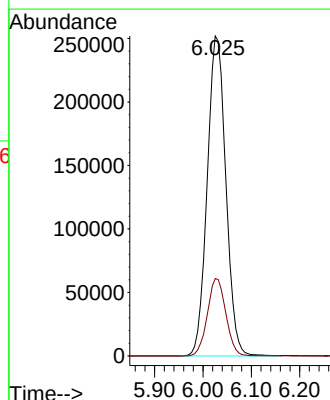
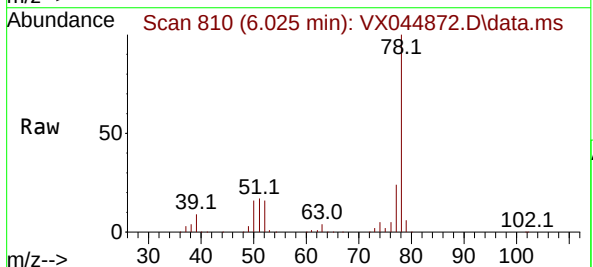
Acq: 10 Feb 2025 12:05

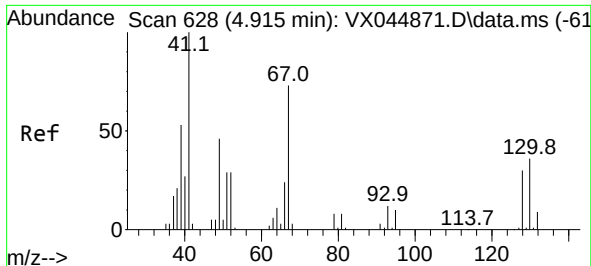
Tgt Ion: 78 Resp: 675556

Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.6

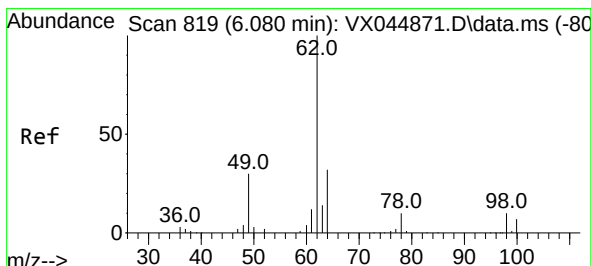
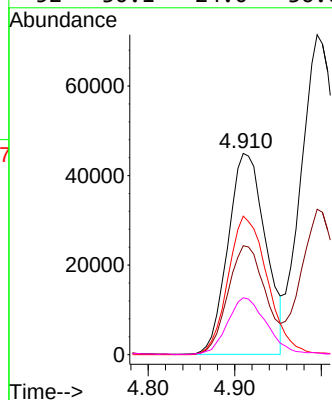
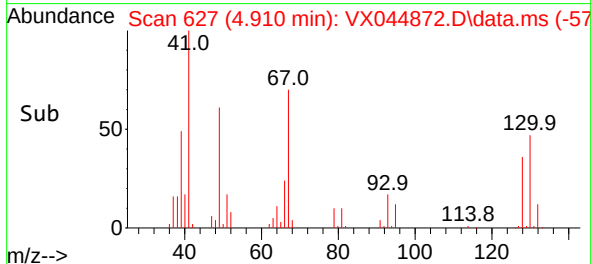
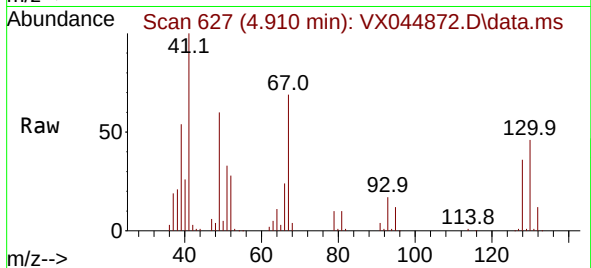




#41
Methacrylonitrile
Concen: 102.745 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

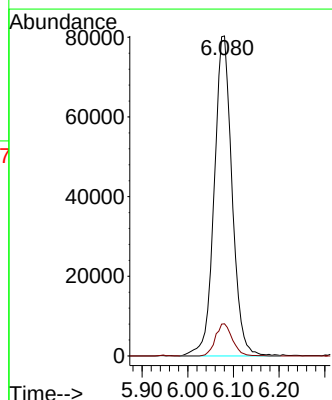
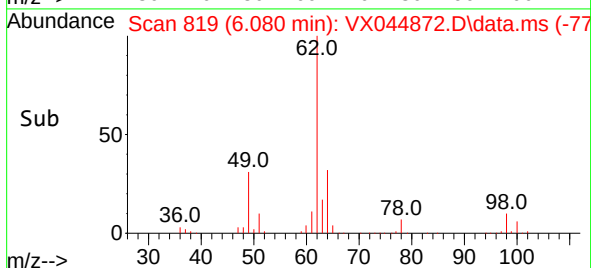
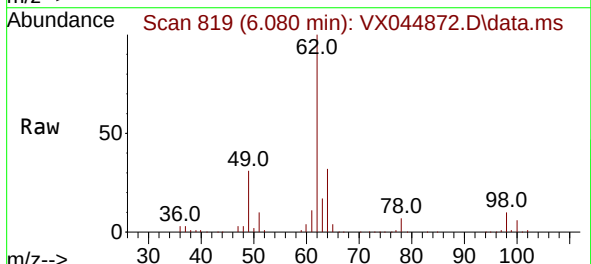
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

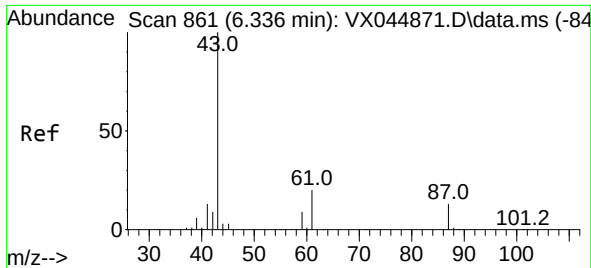
Tgt Ion: 41 Resp: 135629
Ion Ratio Lower Upper
41 100
39 53.9 43.1 64.7
67 72.4 57.0 85.6
52 30.1 24.0 36.0



#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

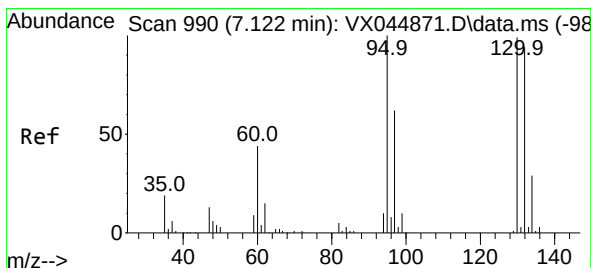
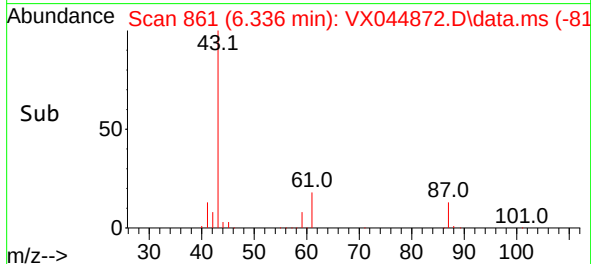
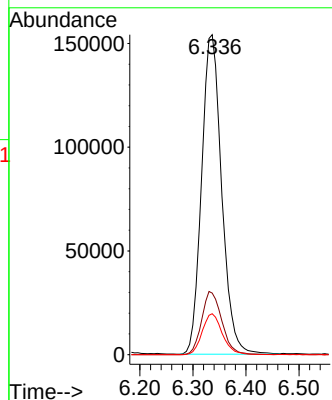
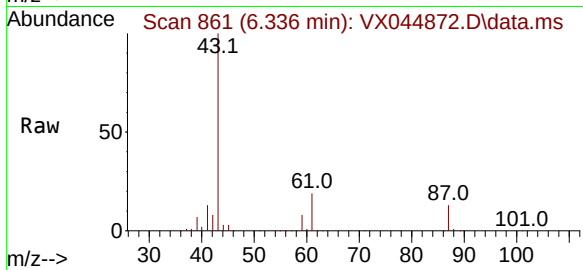




#43
Isopropyl Acetate
Concen: 101.818 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

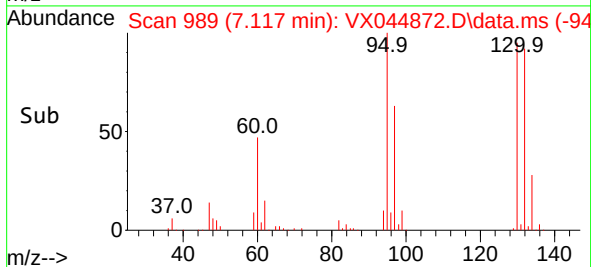
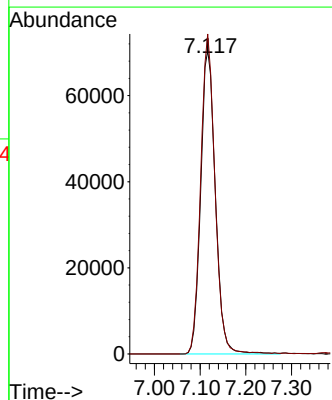
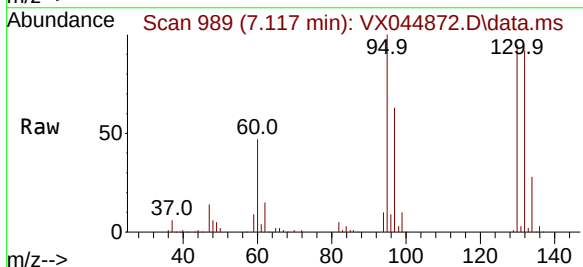
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

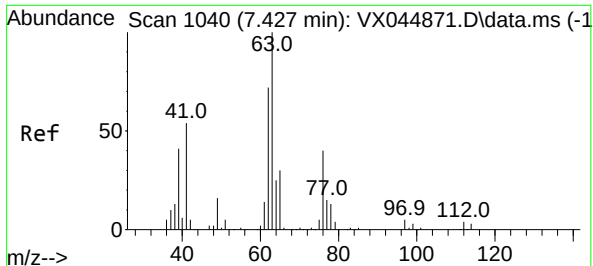
Tgt Ion: 43 Resp: 405489
Ion Ratio Lower Upper
43 100
61 19.9 15.8 23.8
87 12.8 10.0 15.0



#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 :

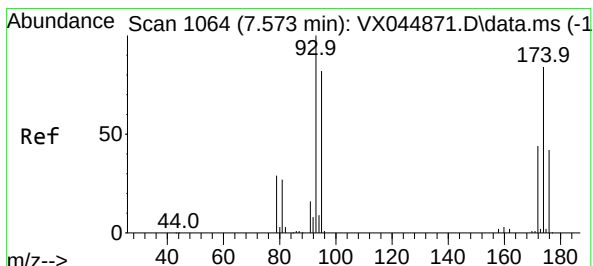
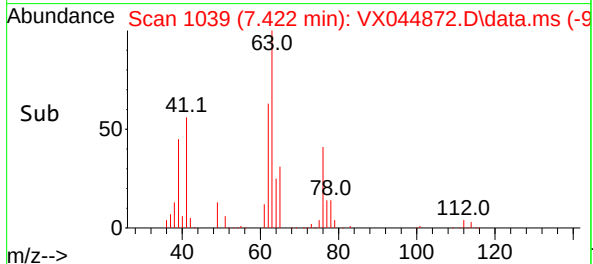
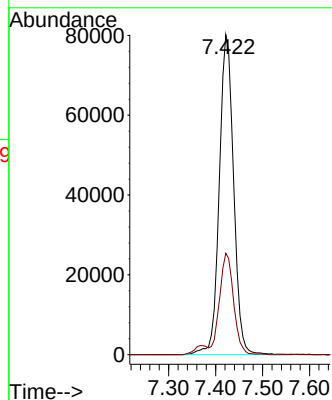
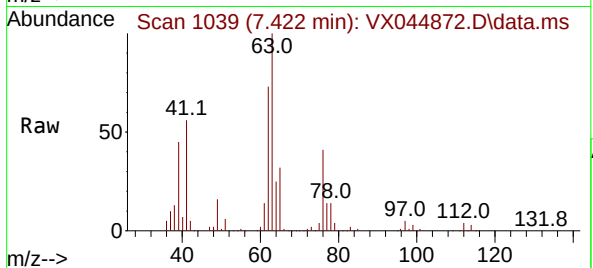
VSTDIC100

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

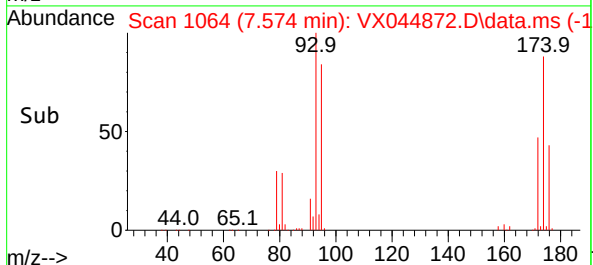
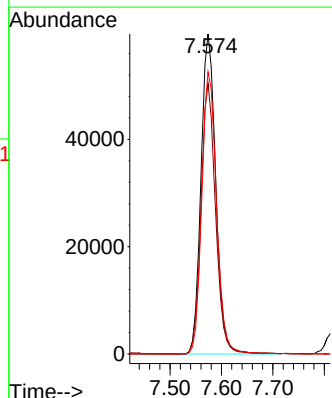
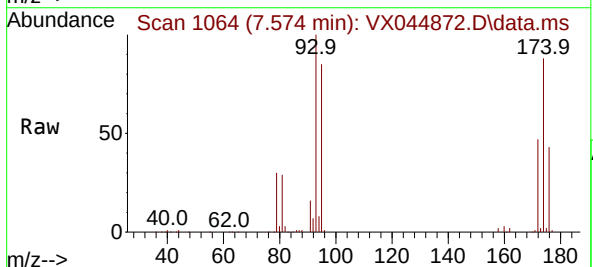
Tgt Ion: 93 Resp: 119149

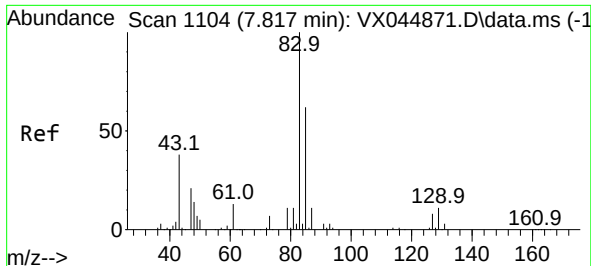
Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.4

174 88.1 69.9 104.9



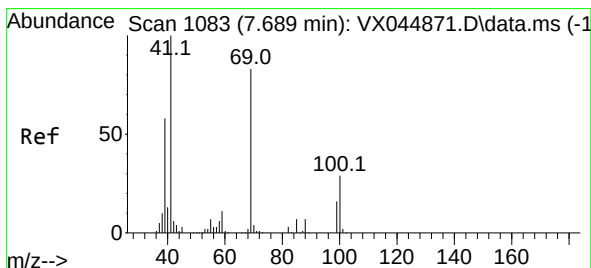
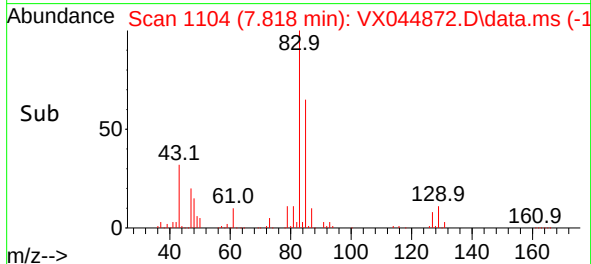
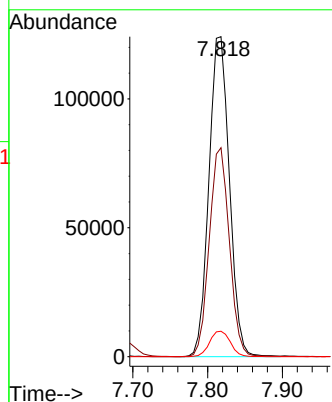
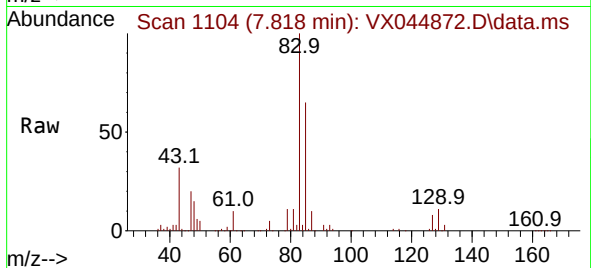


#47
 Bromodichloromethane
 Concen: 102.254 ug/l
 RT: 7.818 min Scan# 1104
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tgt Ion: 83 Resp: 236506

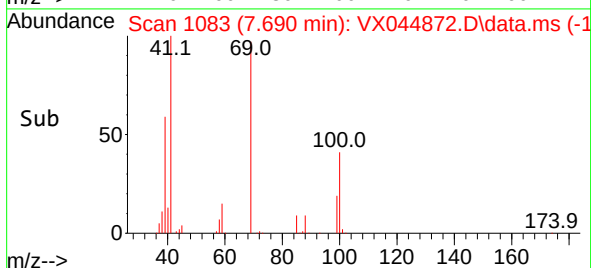
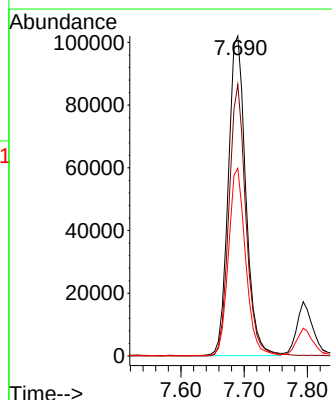
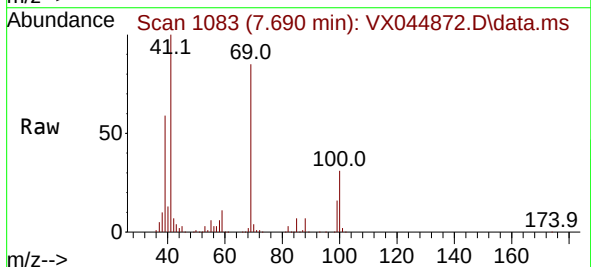
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.0	75.0
127	8.0	6.4	9.6

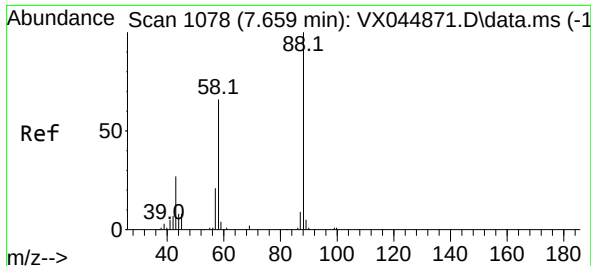


#48
 Methyl methacrylate
 Concen: 104.321 ug/l
 RT: 7.690 min Scan# 1083
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

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 :

VSTDICC100

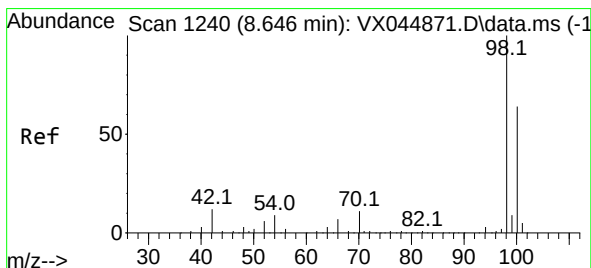
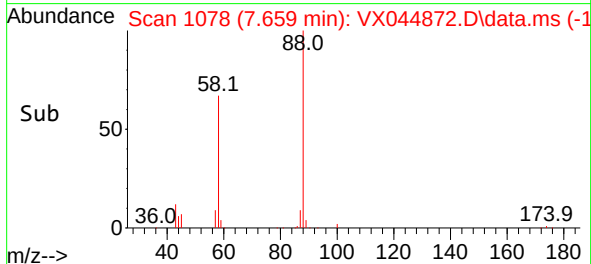
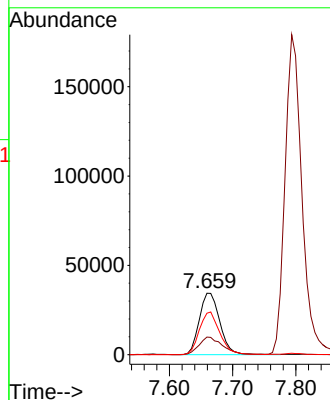
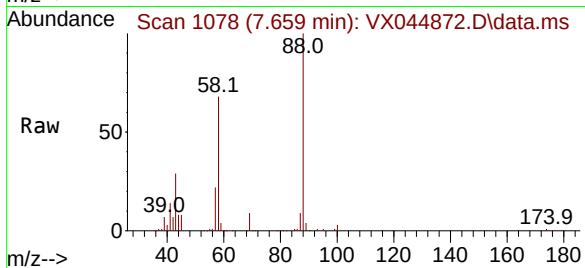
Tgt Ion: 88 Resp: 77816

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

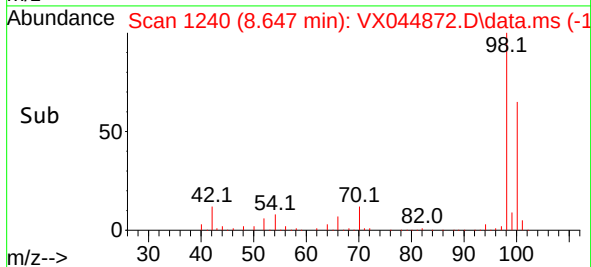
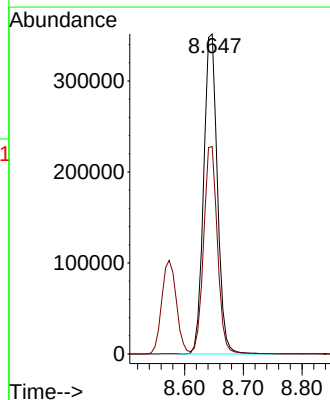
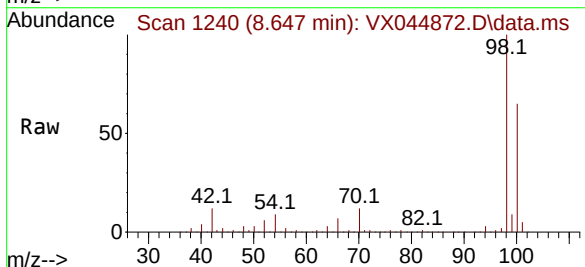
Acq: 10 Feb 2025 12:05

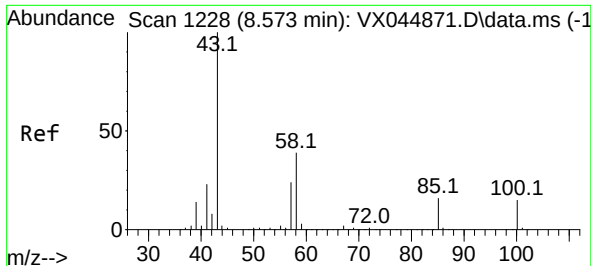
Tgt Ion: 98 Resp: 570976

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1

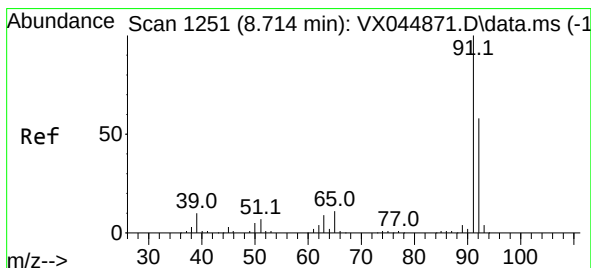
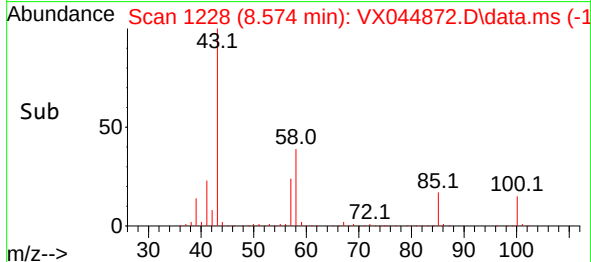
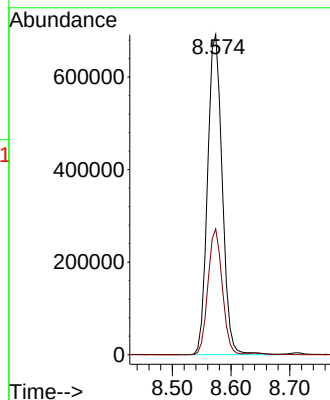
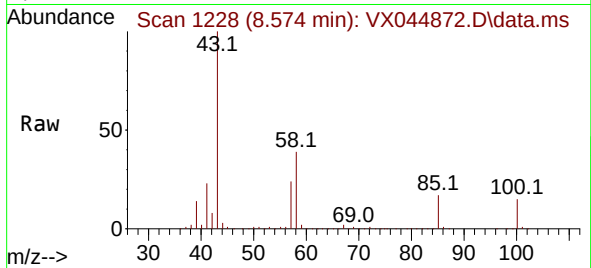




#51
4-Methyl-2-Pentanone
Concen: 494.353 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

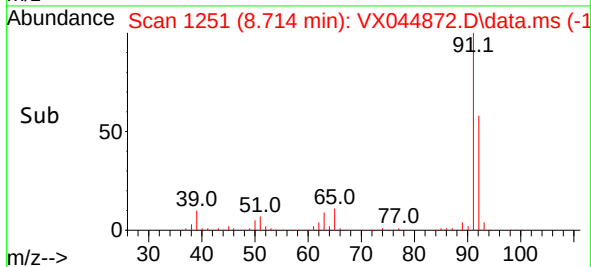
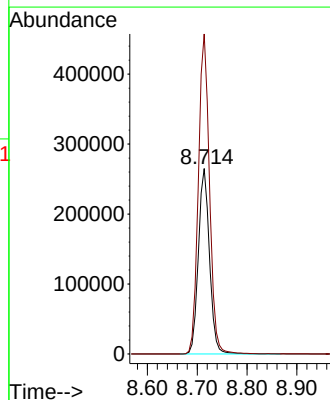
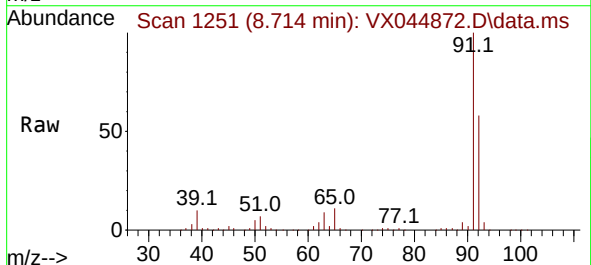
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

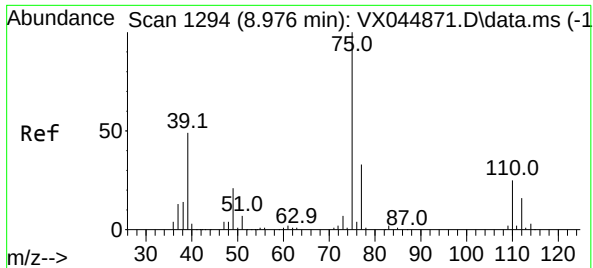
Tgt Ion: 43 Resp: 1196887
Ion Ratio Lower Upper
43 100
58 38.4 30.8 46.2



#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# 1129

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

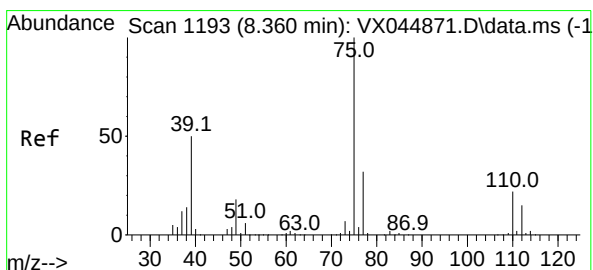
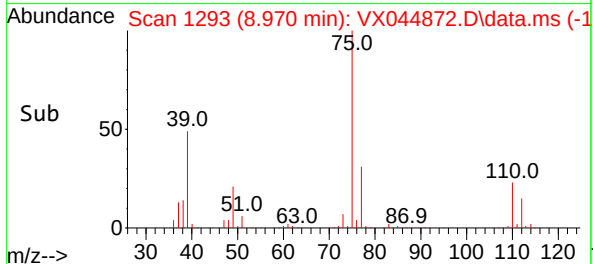
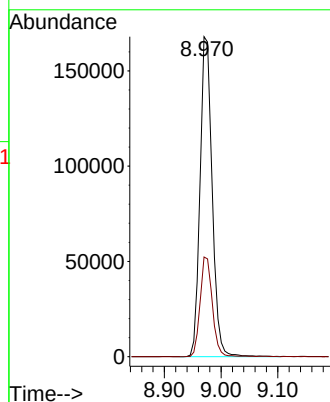
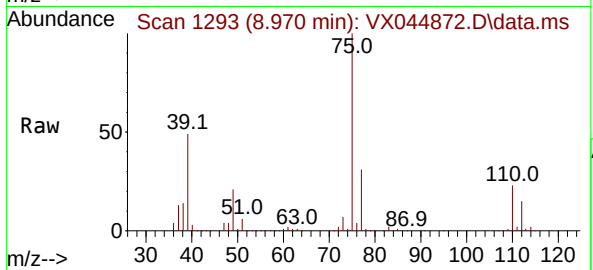
VSTDIC100

Tgt Ion: 75 Resp: 249725

Ion Ratio Lower Upper

75 100

77 31.2 26.0 39.0



#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

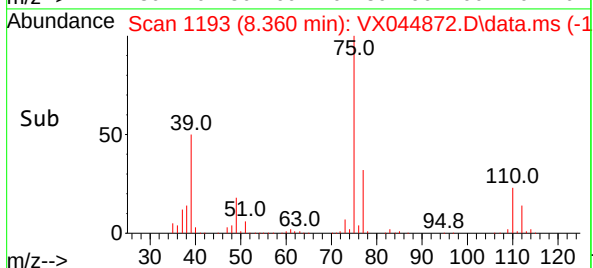
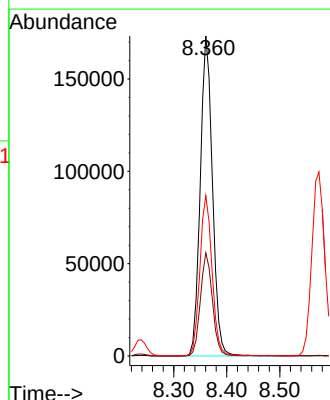
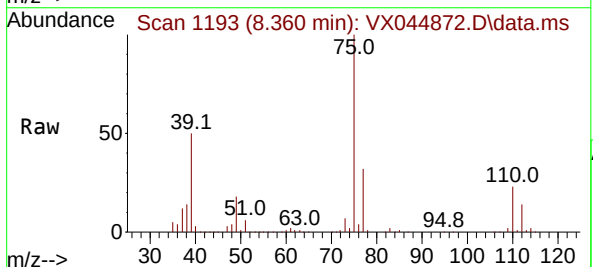
Tgt Ion: 75 Resp: 277371

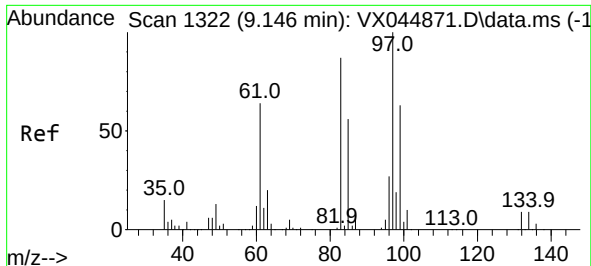
Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9

39 50.1 40.0 60.0

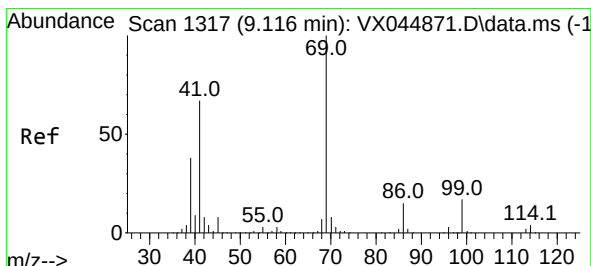
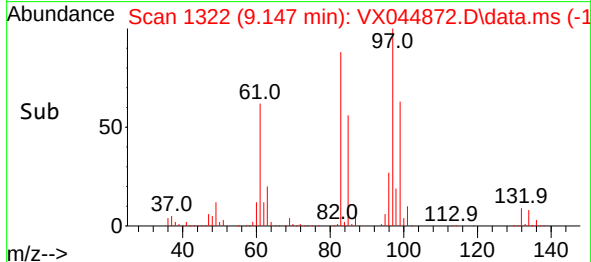
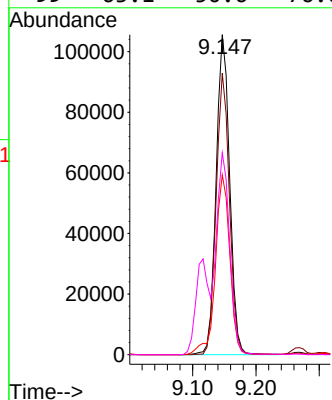
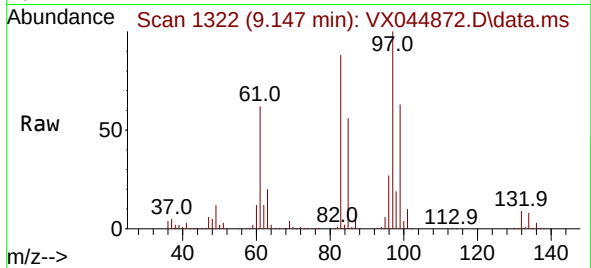




#55
1,1,2-Trichloroethane
Concen: 98.817 ug/l
RT: 9.147 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

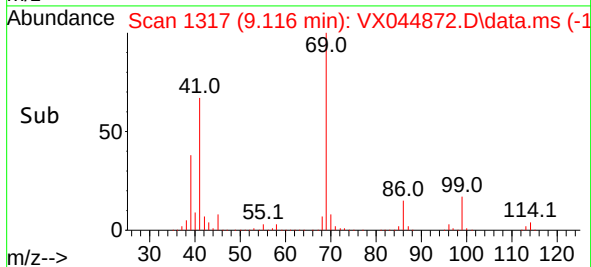
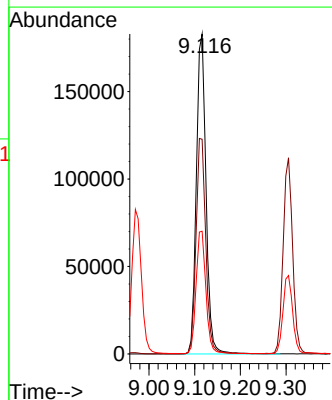
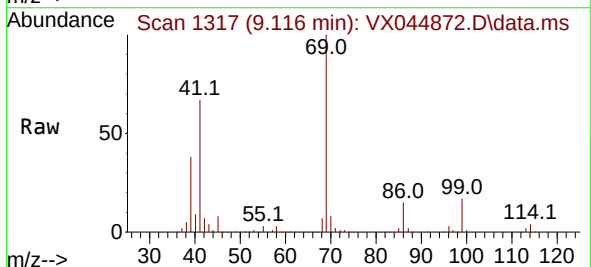
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

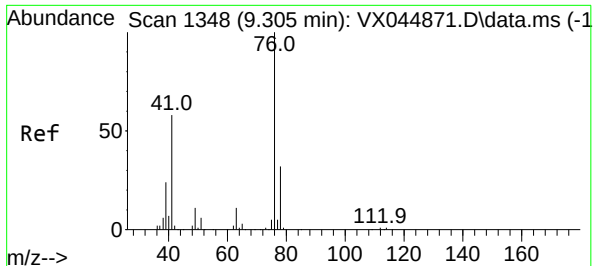
Tgt Ion: 97 Resp: 156629
Ion Ratio Lower Upper
97 100
83 88.0 69.8 104.6
85 56.2 44.8 67.2
99 63.1 50.6 76.0



#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 :

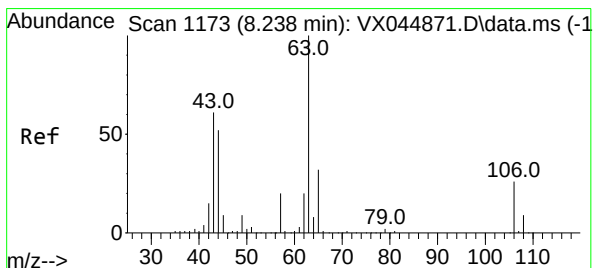
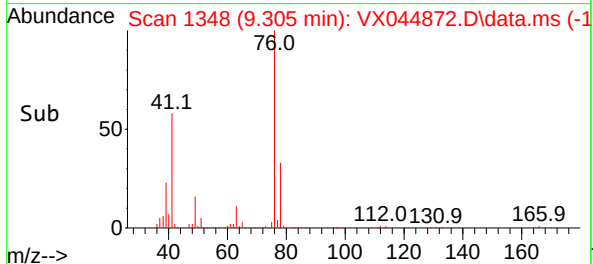
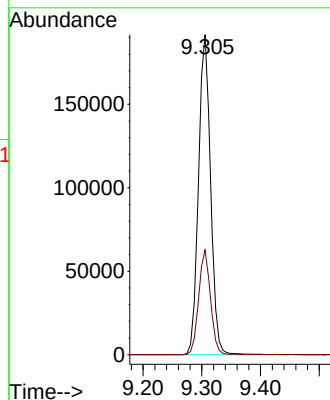
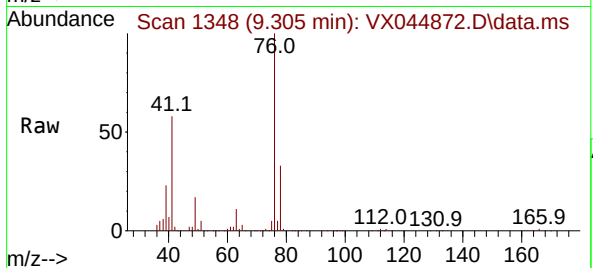
VSTDIC100

Tgt Ion: 76 Resp: 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

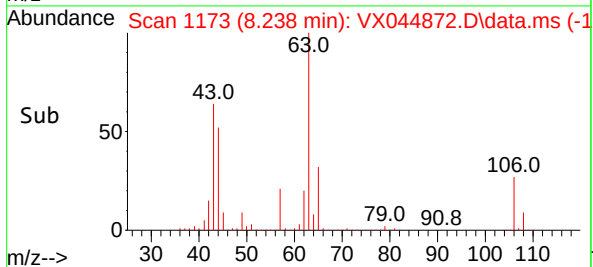
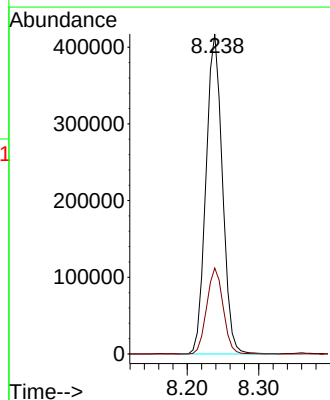
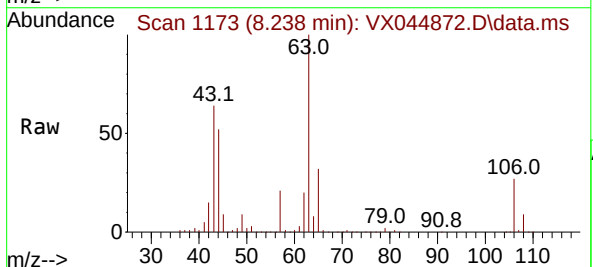
Acq: 10 Feb 2025 12:05

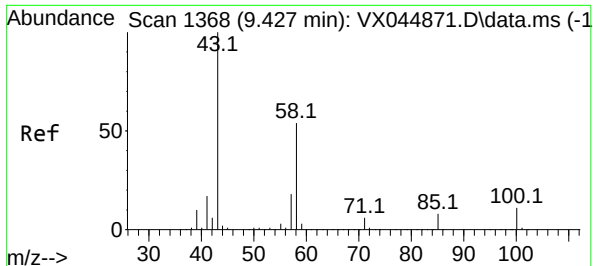
Tgt Ion: 63 Resp: 664198

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 :

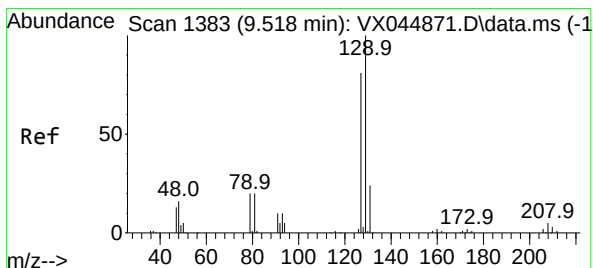
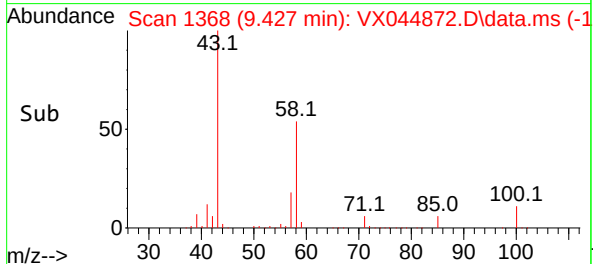
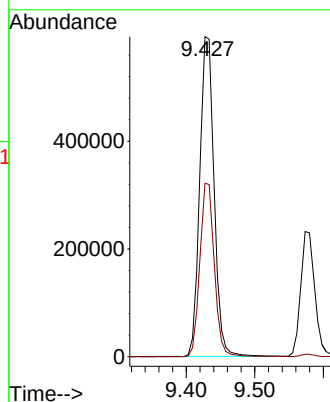
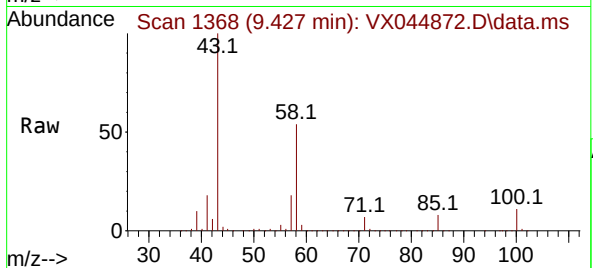
VSTDIC100

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

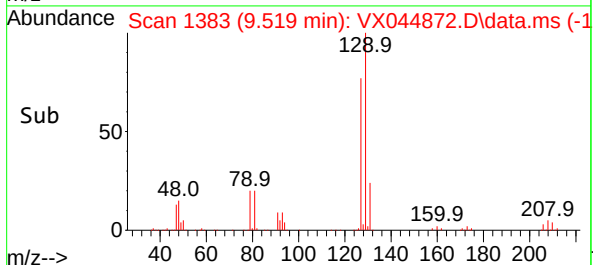
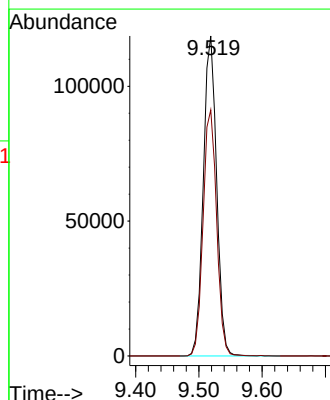
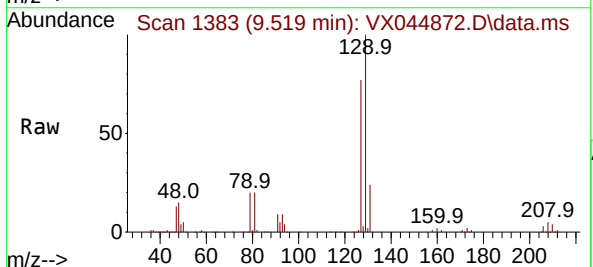
Acq: 10 Feb 2025 12:05

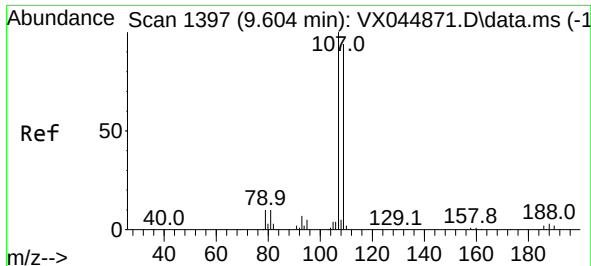
Tgt Ion: 129 Resp: 173848

Ion Ratio Lower Upper

129 100

127 78.3 39.1 117.3

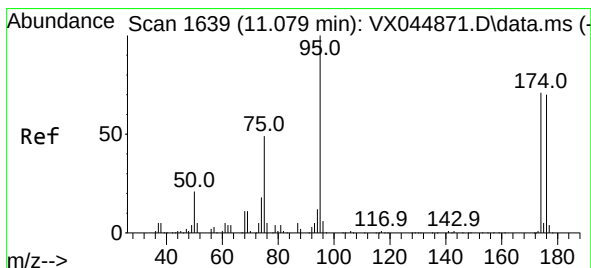
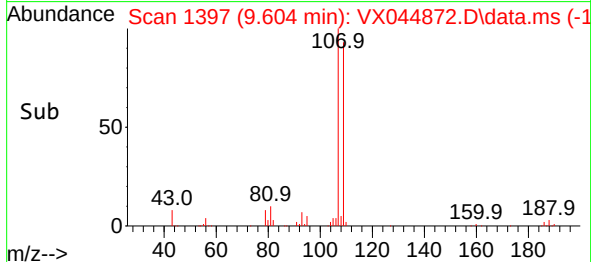
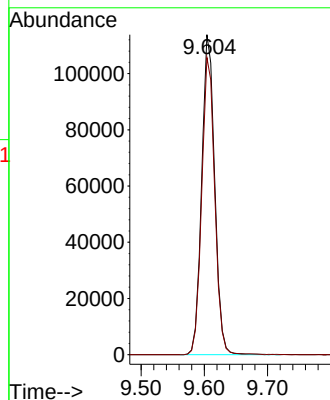
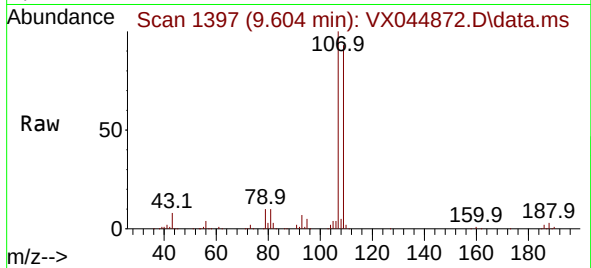




#61
1,2-Dibromoethane
Concen: 101.451 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

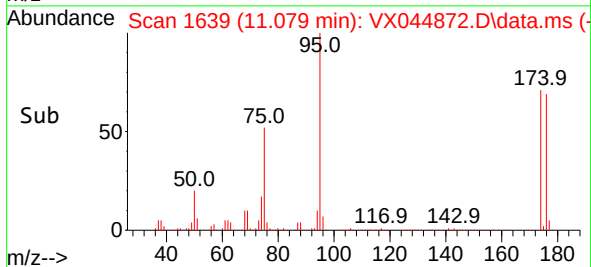
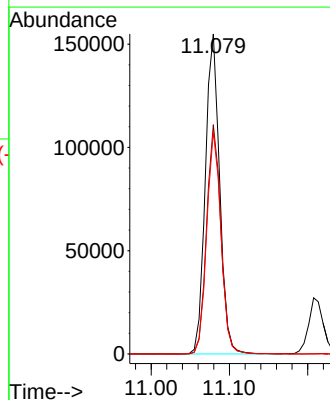
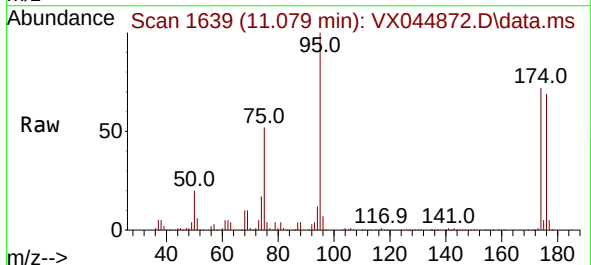
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

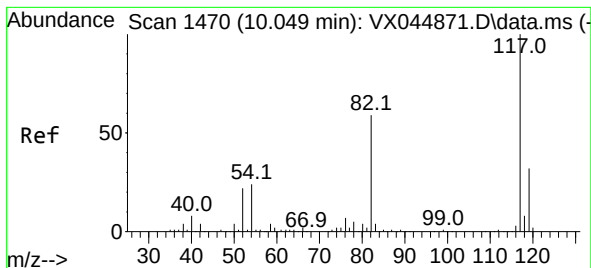
Tgt Ion:107 Resp: 162982
Ion Ratio Lower Upper
107 100
109 93.1 75.9 113.9



#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

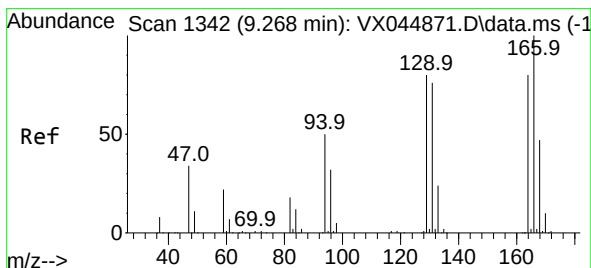
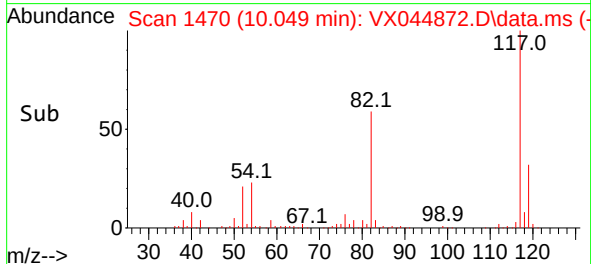
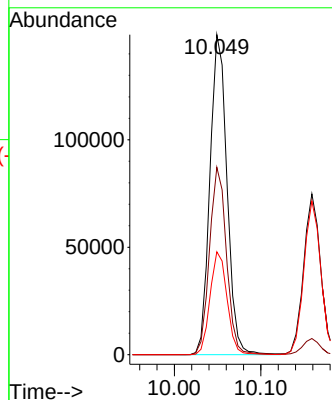
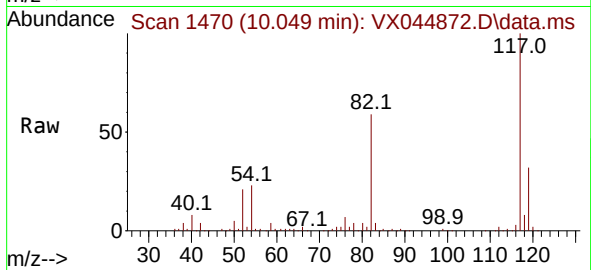




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

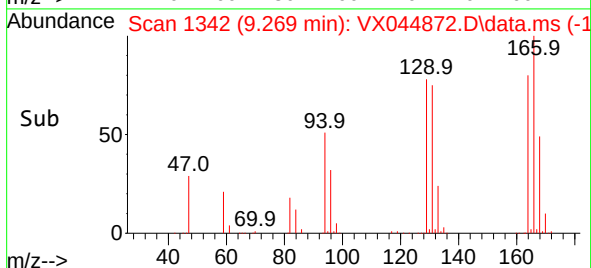
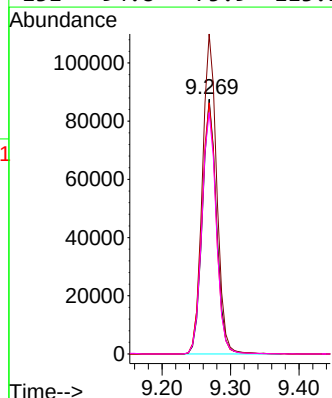
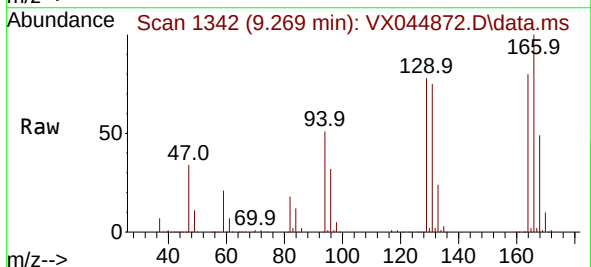
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

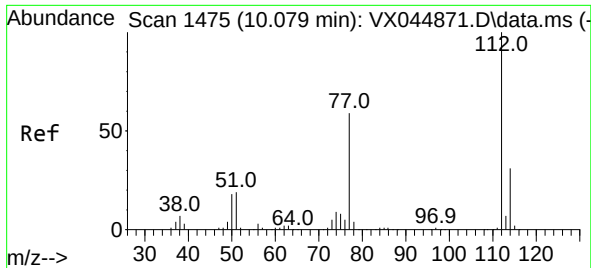
Tgt Ion:117 Resp: 203881
Ion Ratio Lower Upper
117 100
82 58.5 47.5 71.3
119 32.2 25.4 38.0



#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

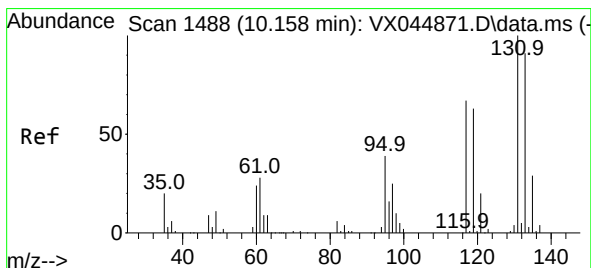
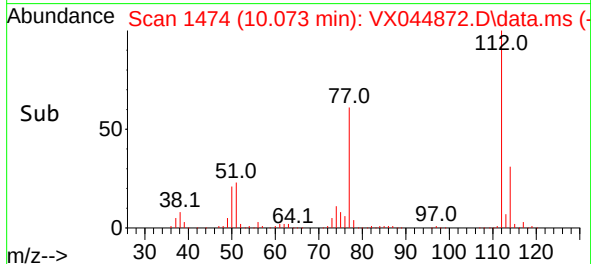
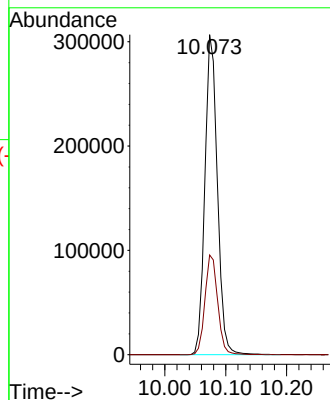
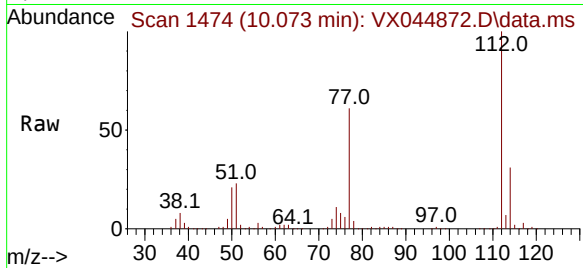




#65
Chlorobenzene
Concen: 99.694 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

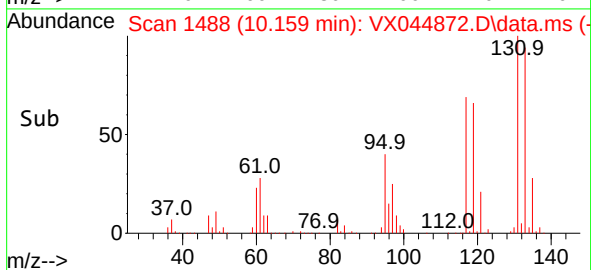
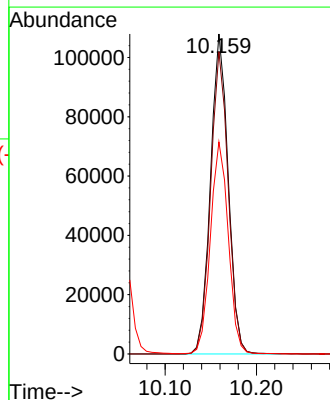
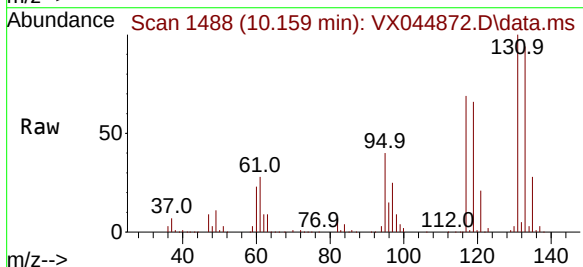
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

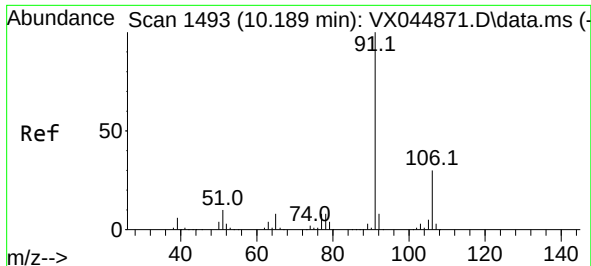
Tgt Ion:112 Resp: 436565
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.6



#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 :

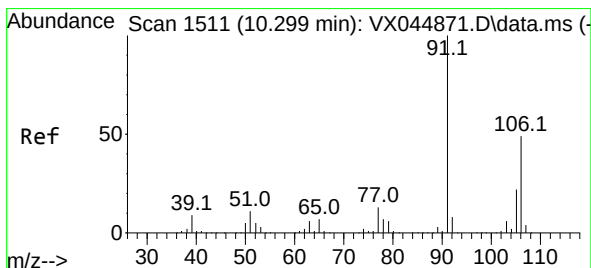
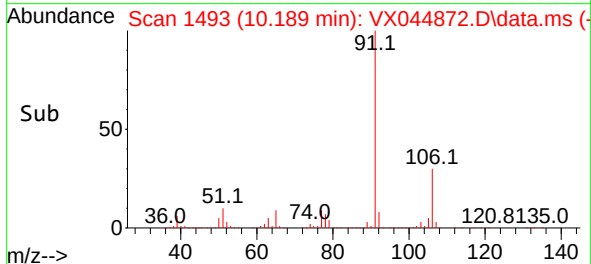
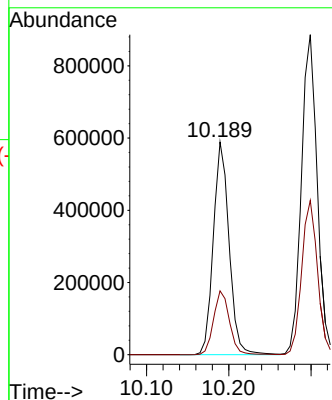
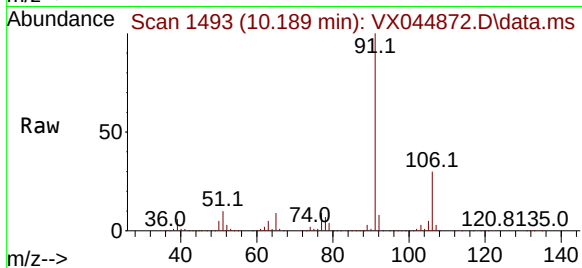
VSTDICC100

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

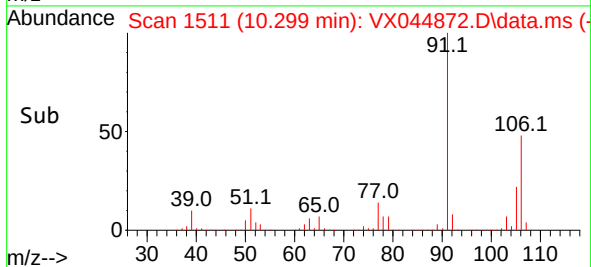
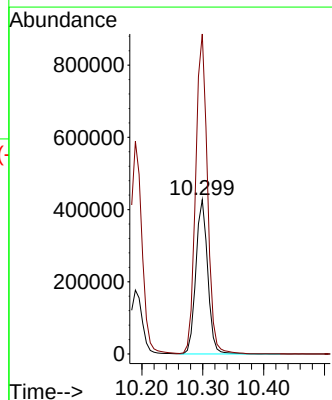
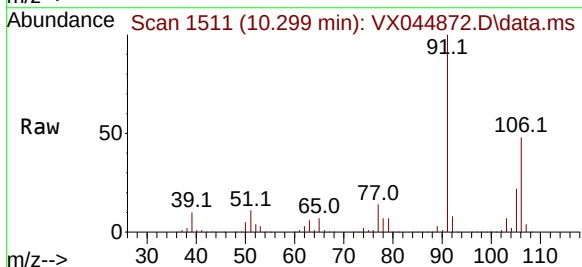
Acq: 10 Feb 2025 12:05

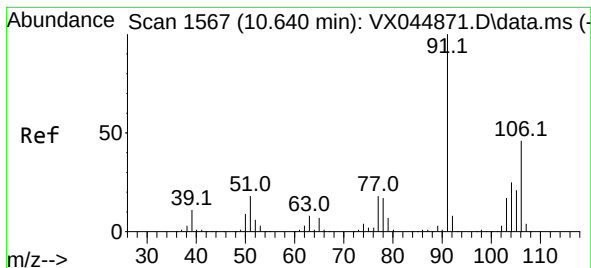
Tgt Ion:106 Resp: 575559

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 :

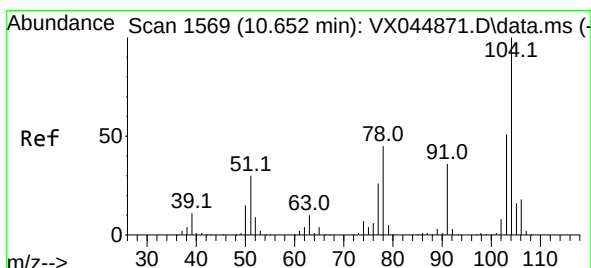
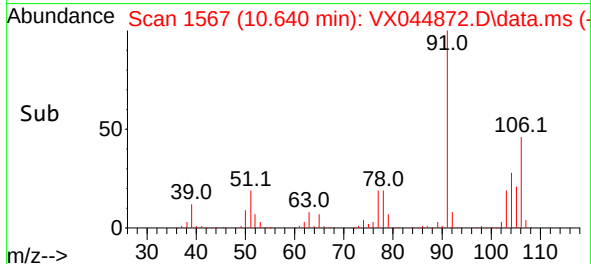
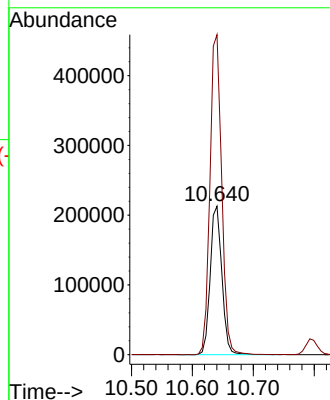
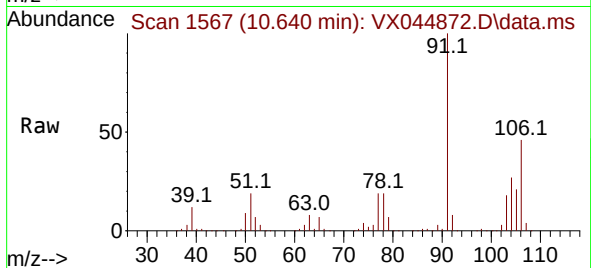
VSTDIC100

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

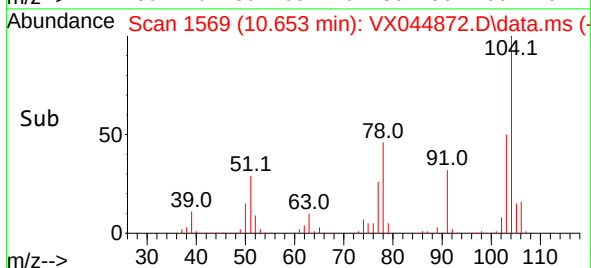
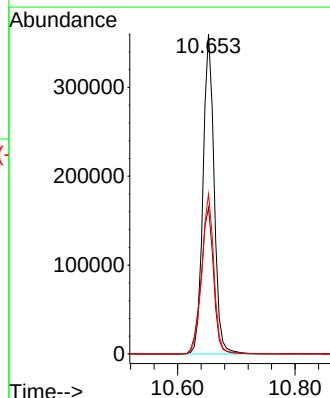
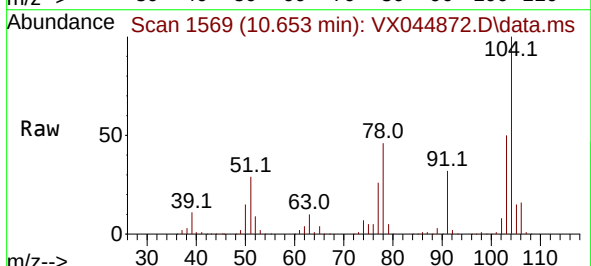
Tgt Ion:104 Resp: 473403

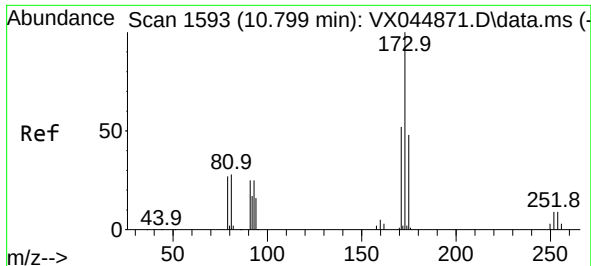
Ion Ratio Lower Upper

104 100

78 51.5 40.5 60.7

103 54.5 43.6 65.4

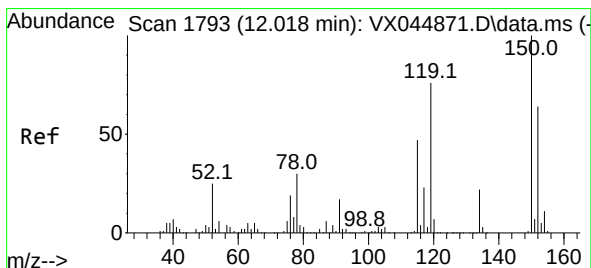
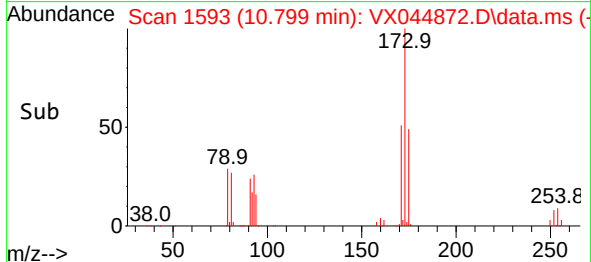
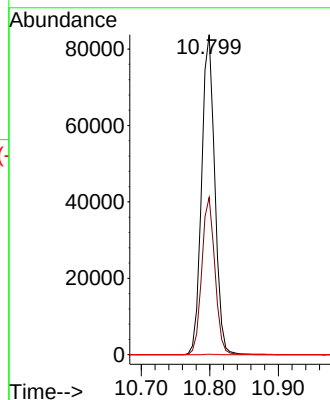
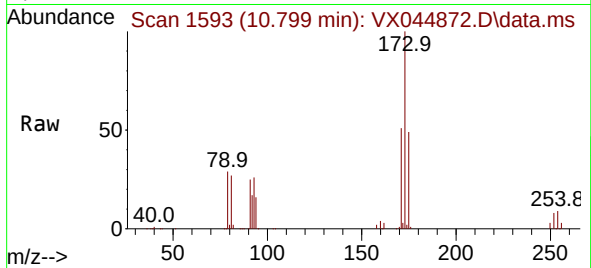




#71
Bromoform
Concen: 106.827 ug/l
RT: 10.799 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

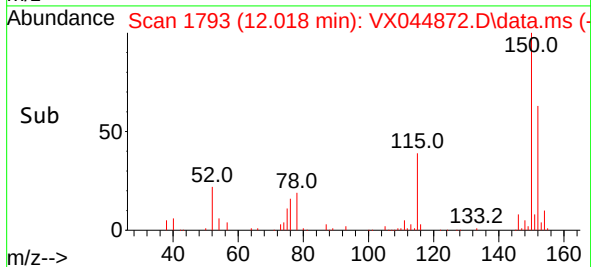
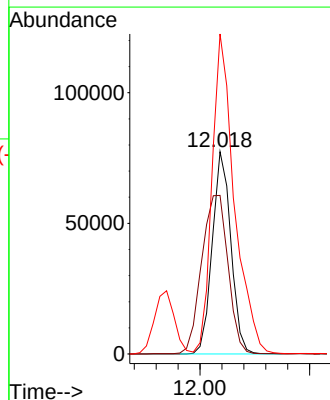
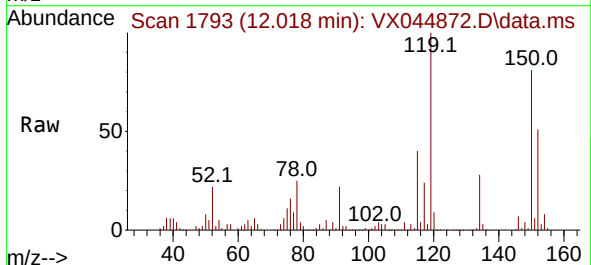
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

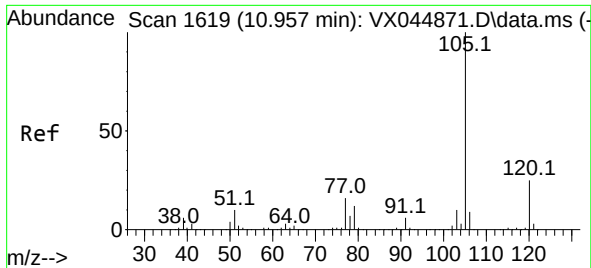
Tgt Ion:173 Resp: 112371
Ion Ratio Lower Upper
173 100
175 49.0 24.3 72.8
254 0.1 0.0 0.0#



#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

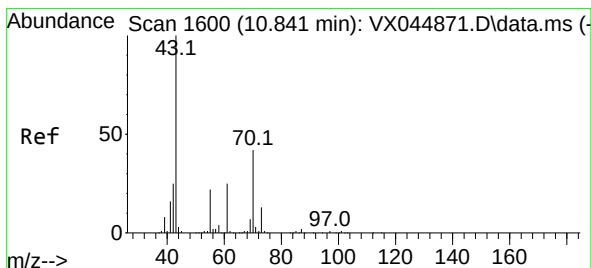
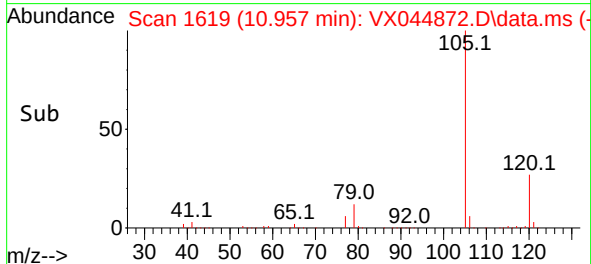
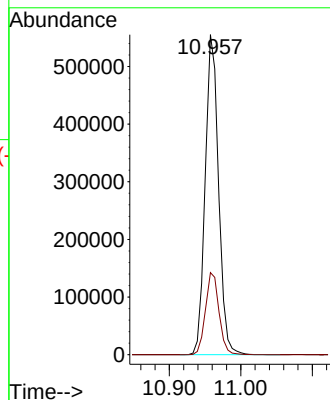
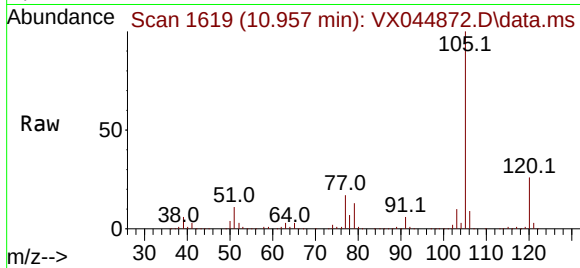




#73
Isopropylbenzene
Concen: 97.854 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

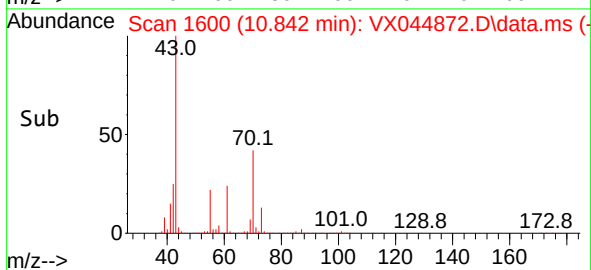
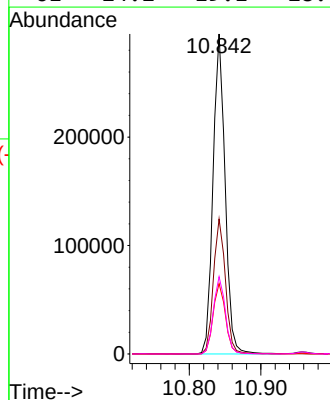
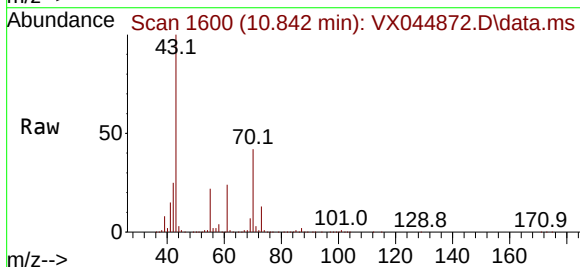
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

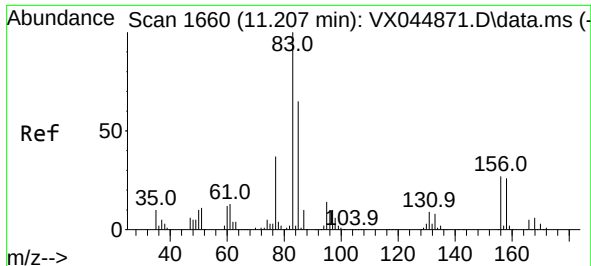
Tgt Ion:105 Resp: 719923
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.5



#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

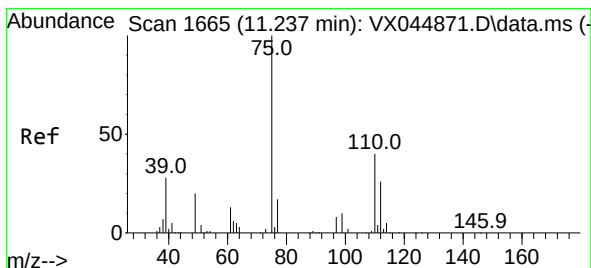
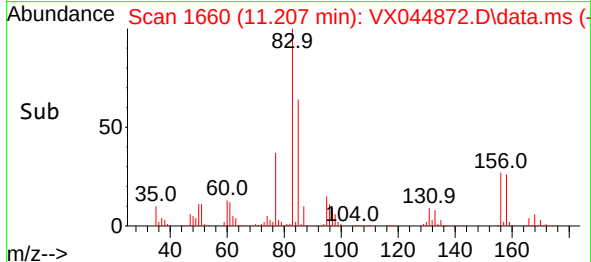
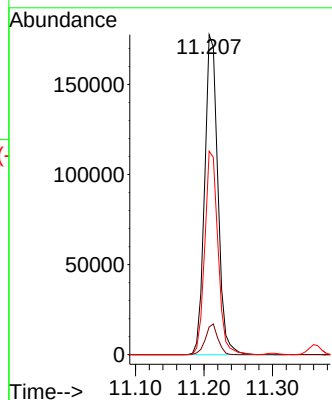
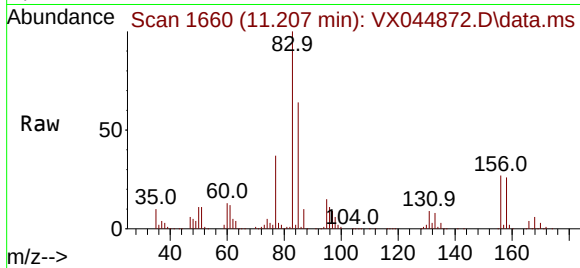




#75
 1,1,2,2-Tetrachloroethane
 Concen: 94.351 ug/l
 RT: 11.207 min Scan# 1660
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

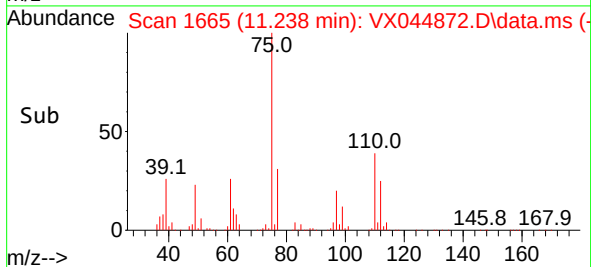
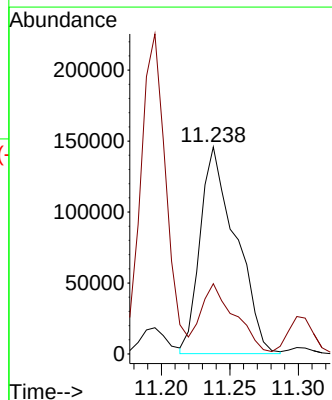
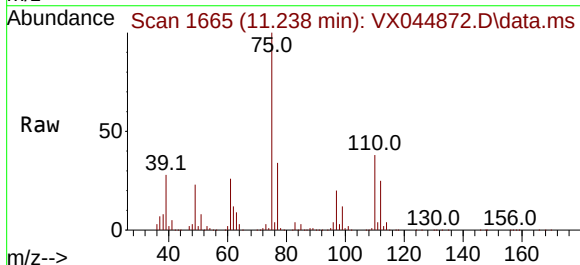
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

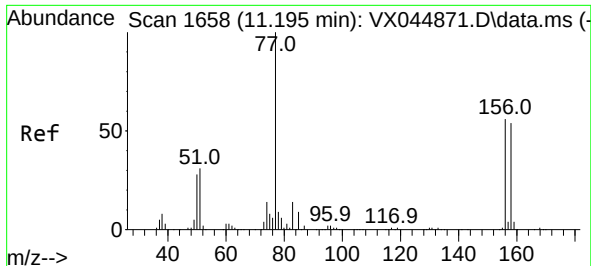
Tgt Ion: 83 Resp: 238529
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.5 13.5
 85 63.9 32.3 96.8



#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

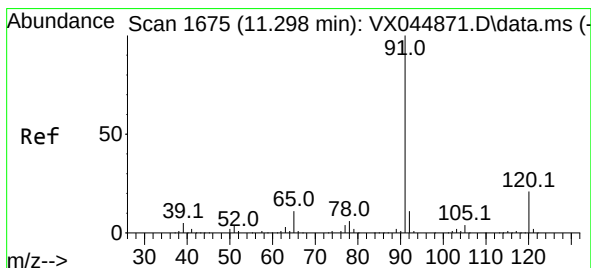
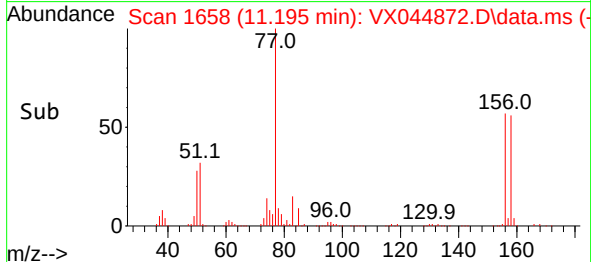
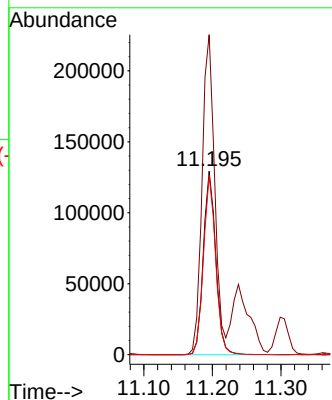
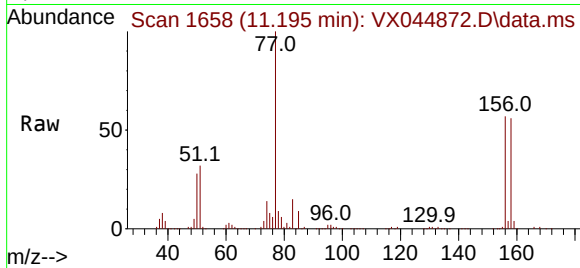




#77
Bromobenzene
Concen: 98.230 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

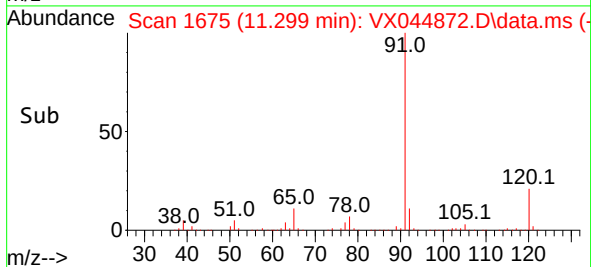
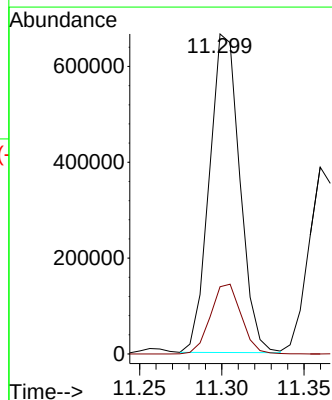
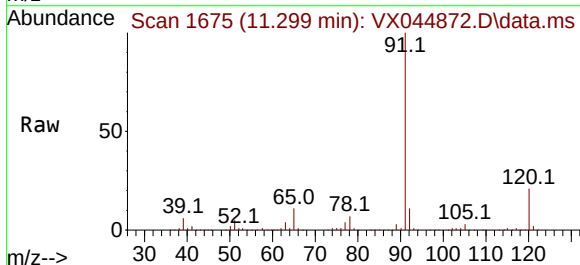
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

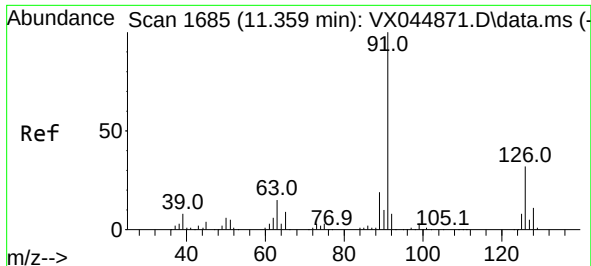
Tgt Ion:156 Resp: 163845
Ion Ratio Lower Upper
156 100
77 176.7 88.4 265.3
158 95.7 48.4 145.2



#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

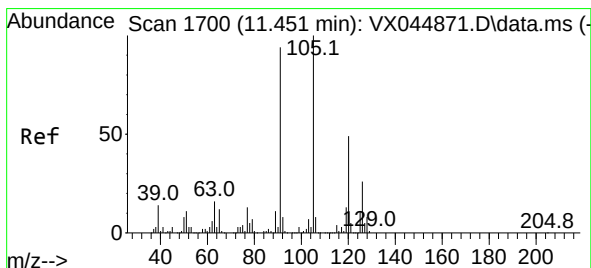
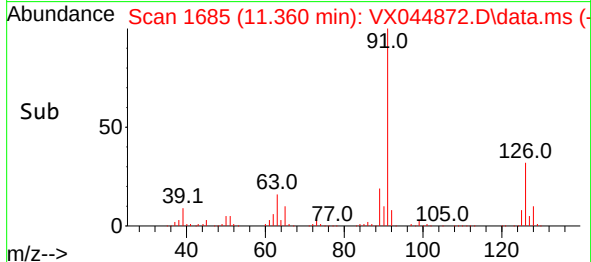
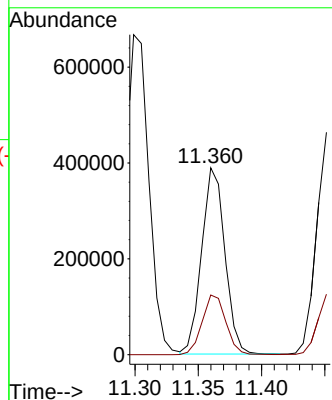
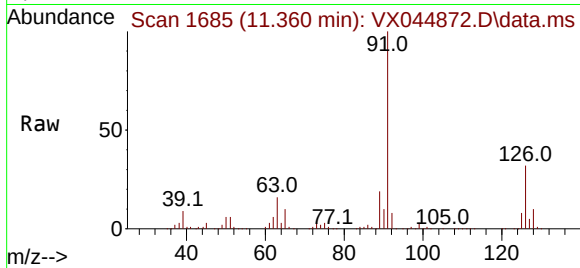




#79
2-Chlorotoluene
Concen: 95.257 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

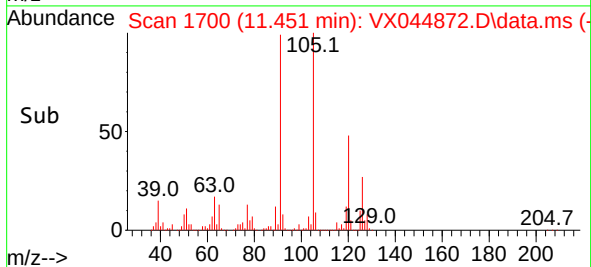
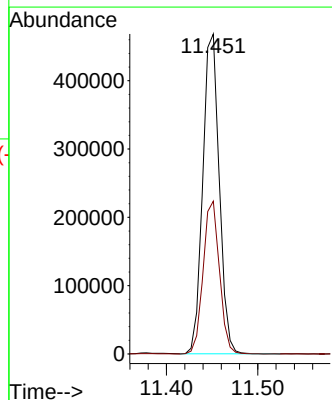
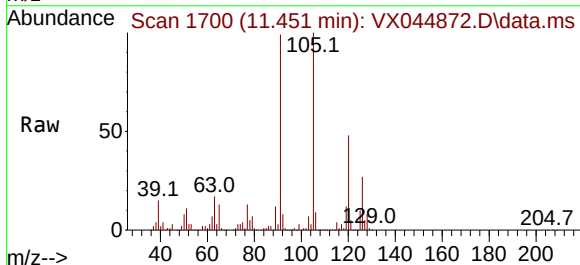
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

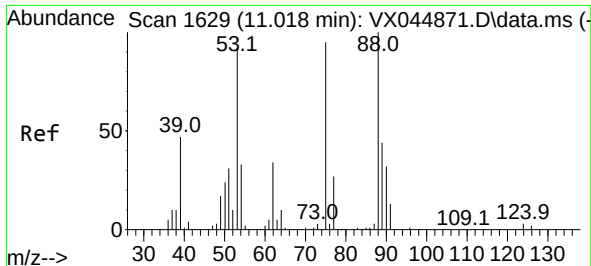
Tgt Ion: 91 Resp: 497149
Ion Ratio Lower Upper
91 100
126 32.8 16.2 48.6



#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

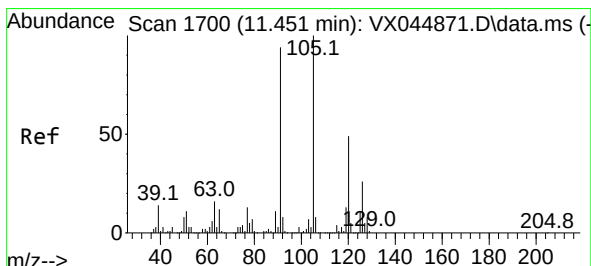
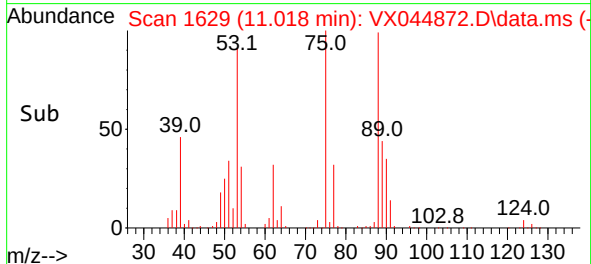
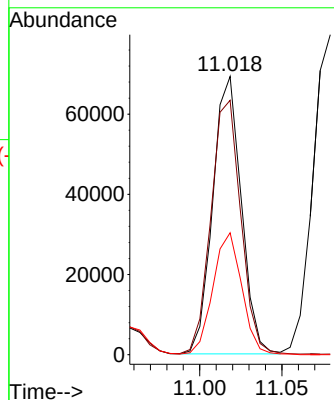
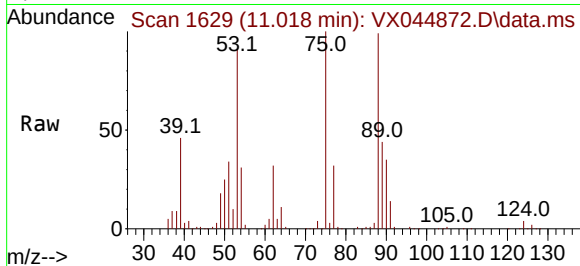




#81
trans-1,4-Dichloro-2-butene
Concen: 106.006 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

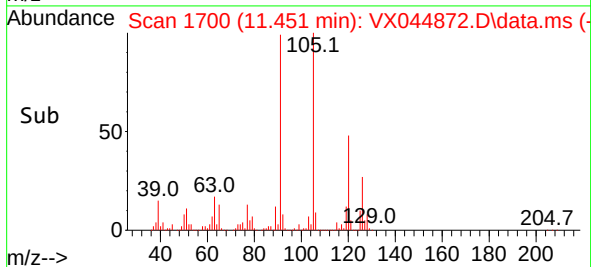
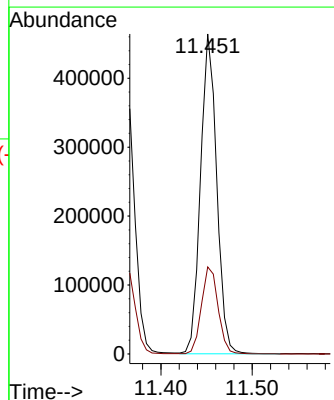
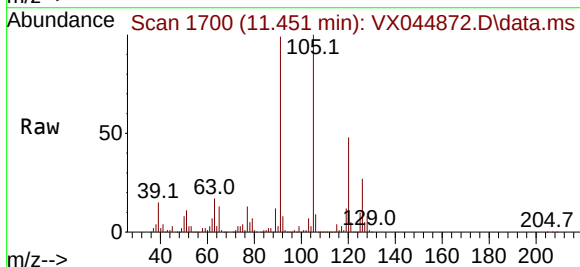
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

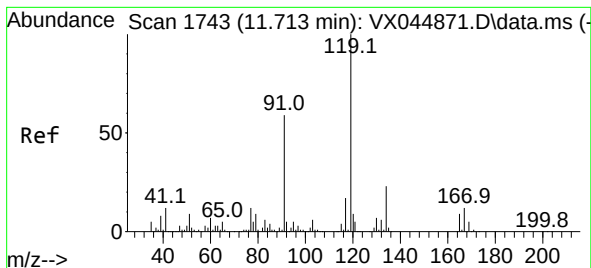
Tgt Ion: 75 Resp: 83483
Ion Ratio Lower Upper
75 100
53 95.9 78.0 117.0
89 44.6 36.6 54.8



#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 :

VSTDICC100

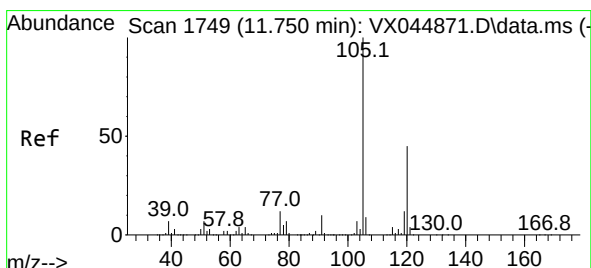
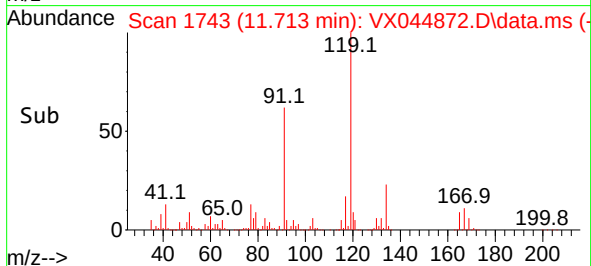
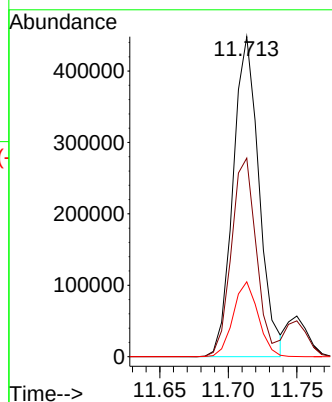
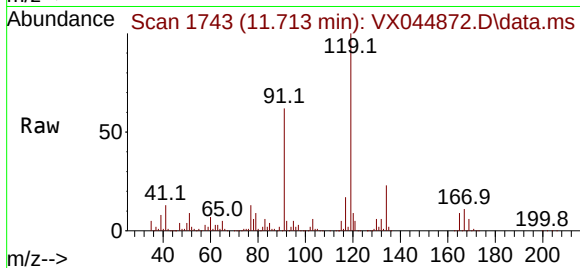
Tgt Ion:119 Resp: 591396

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

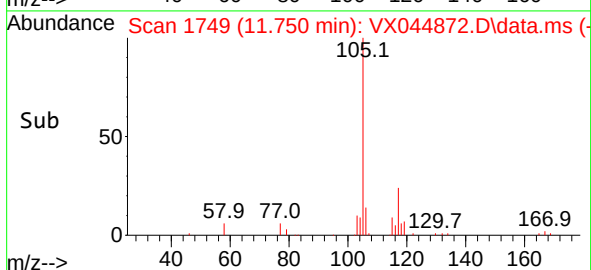
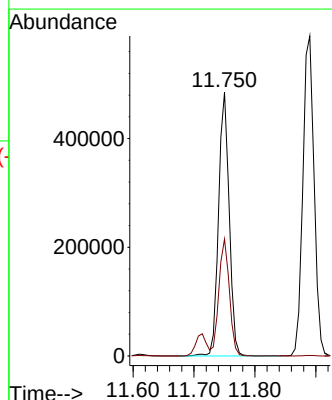
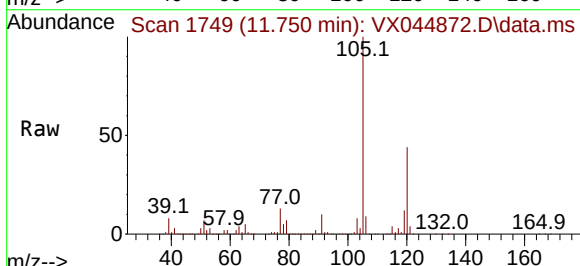
Acq: 10 Feb 2025 12:05

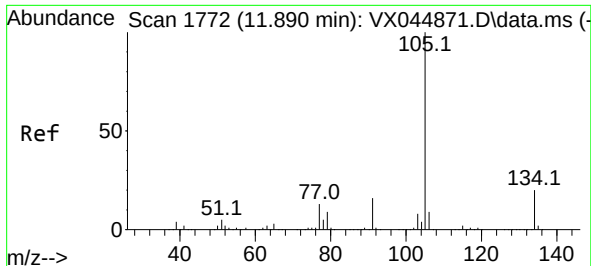
Tgt Ion:105 Resp: 588385

Ion Ratio Lower Upper

105 100

120 44.0 22.4 67.0

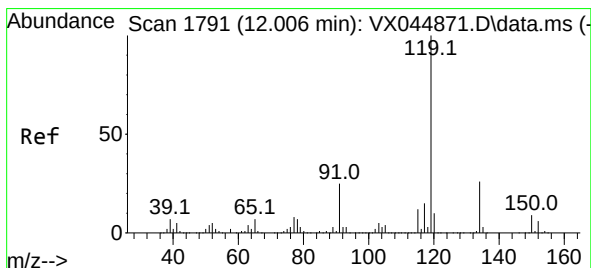
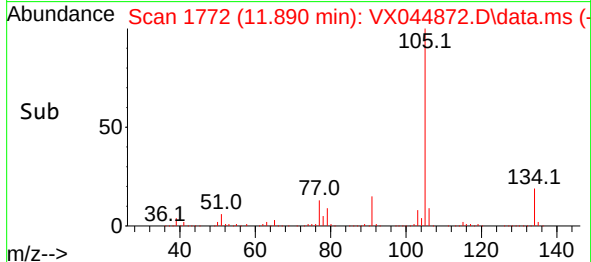
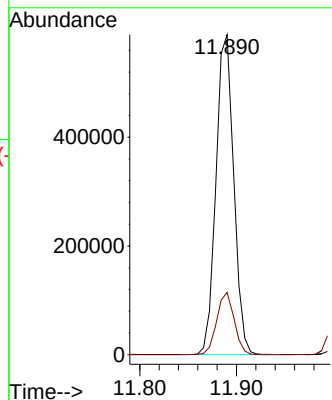
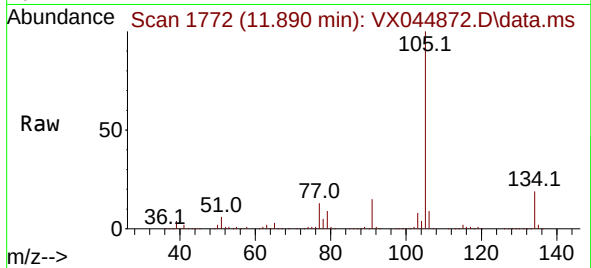




#85
sec-Butylbenzene
Concen: 100.219 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

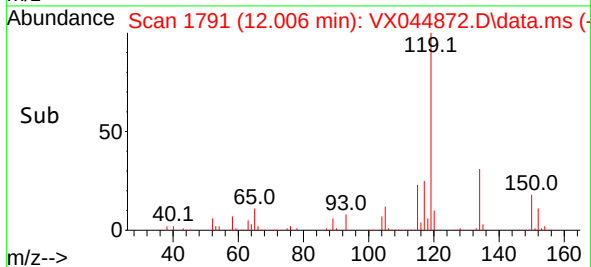
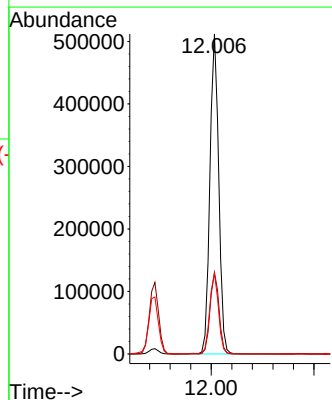
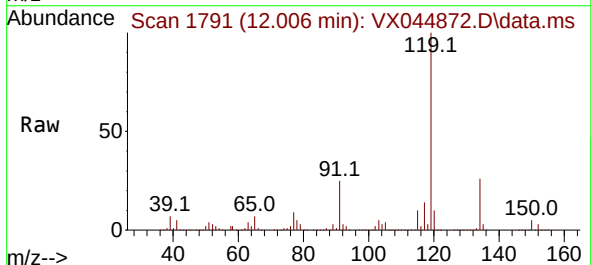
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

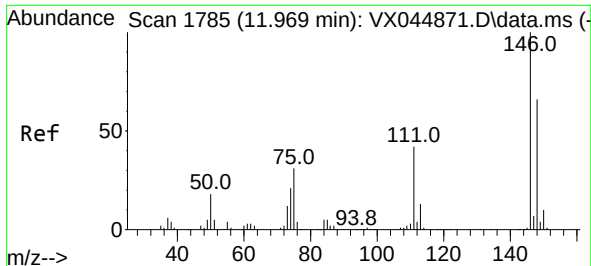
Tgt Ion:105 Resp: 749534
Ion Ratio Lower Upper
105 100
134 19.2 9.8 29.3



#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

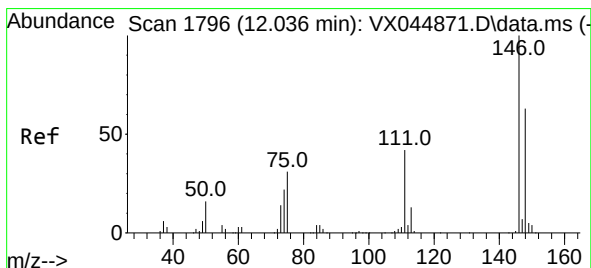
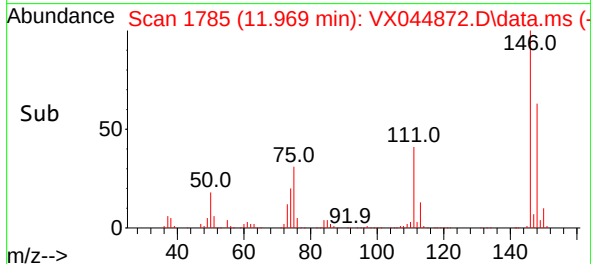
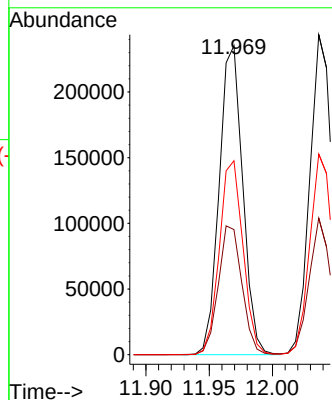
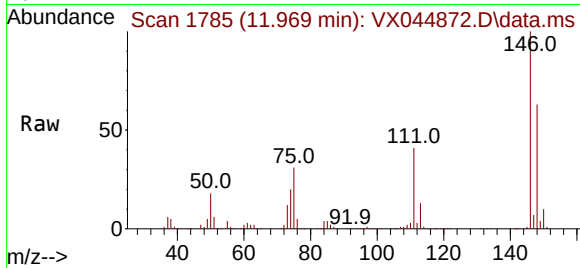




#87
1,3-Dichlorobenzene
Concen: 99.061 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

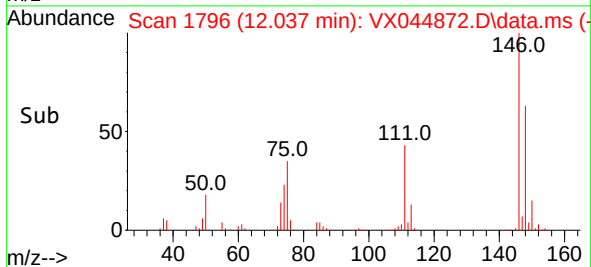
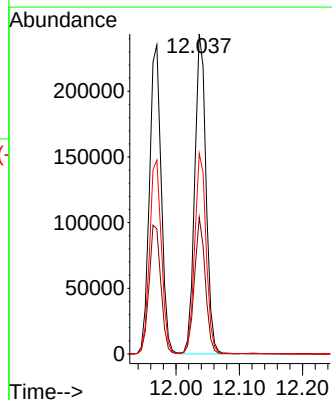
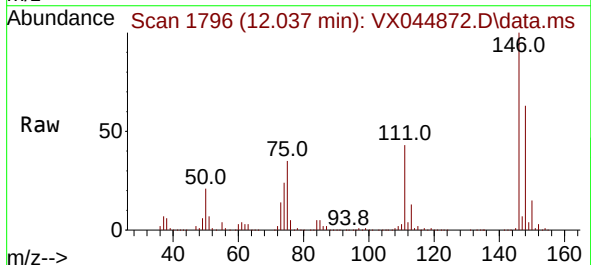
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

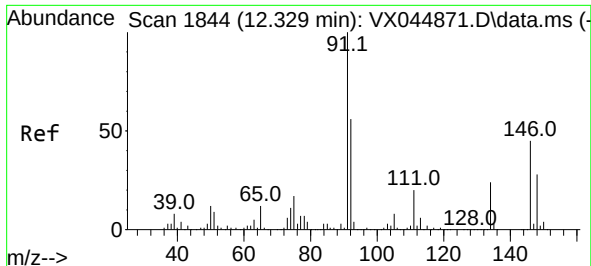
Tgt Ion:146 Resp: 303851
Ion Ratio Lower Upper
146 100
111 42.0 21.2 63.6
148 63.1 32.5 97.5



#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 :

VSTDIC100

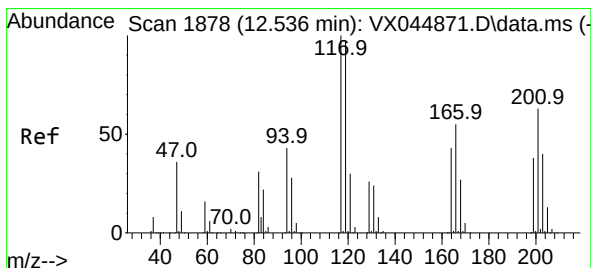
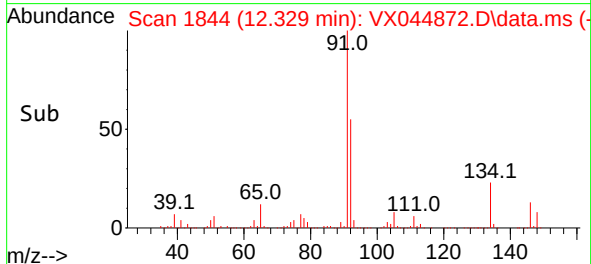
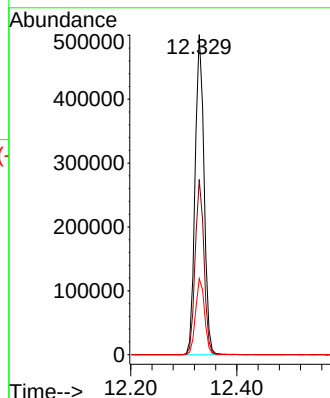
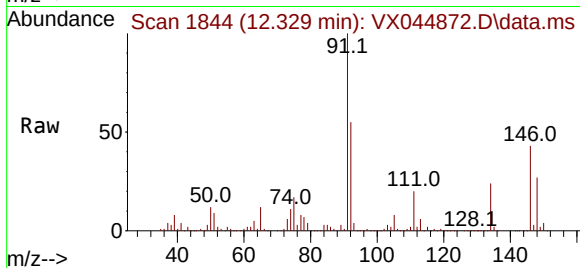
Tgt Ion: 91 Resp: 583634

Ion Ratio Lower Upper

91 100

92 54.2 27.2 81.6

134 24.0 12.1 36.3



#90

Hexachloroethane

Concen: 104.365 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044872.D

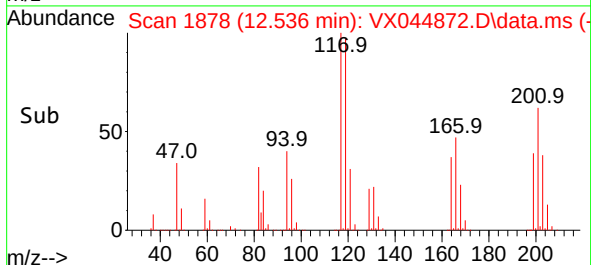
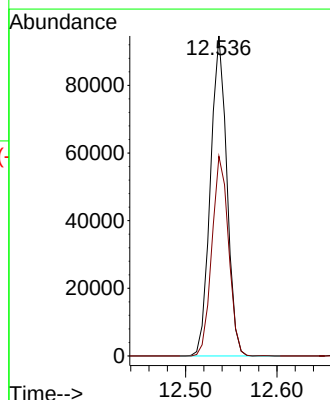
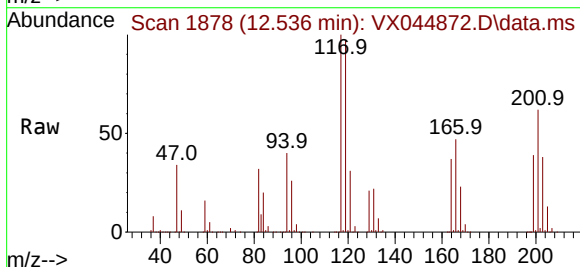
Acq: 10 Feb 2025 12:05

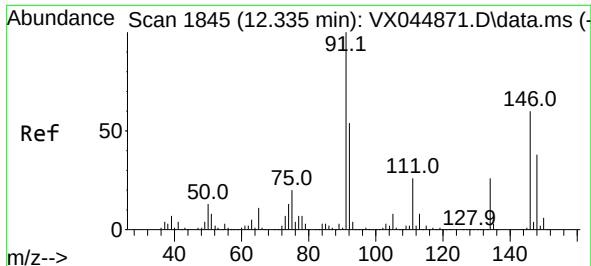
Tgt Ion: 117 Resp: 117533

Ion Ratio Lower Upper

117 100

201 63.4 32.5 97.5

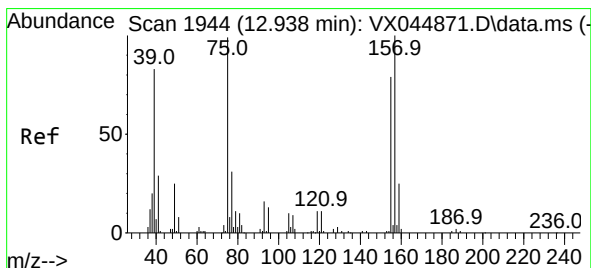
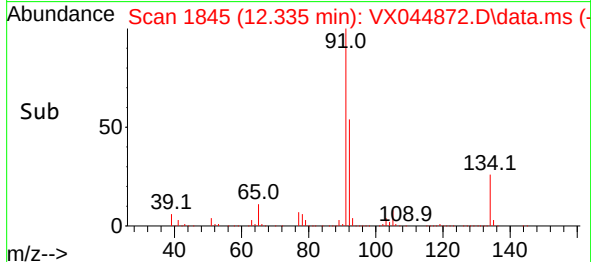
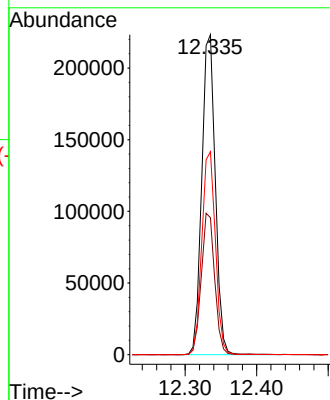
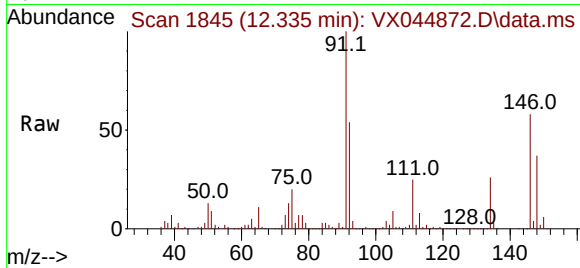




#91
1,2-Dichlorobenzene
Concen: 97.244 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

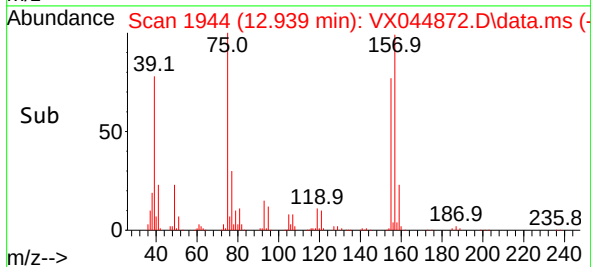
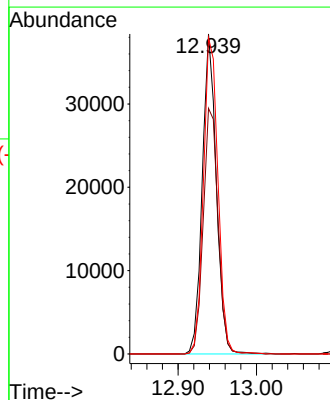
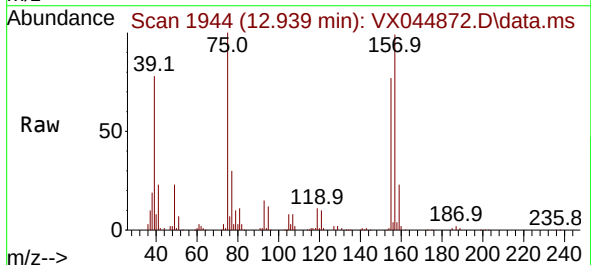
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

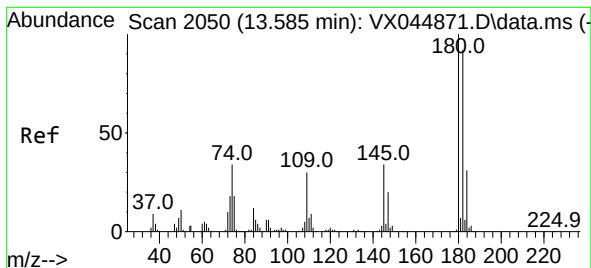
Tgt Ion:146 Resp: 293151
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.4
148 63.9 31.9 95.9



#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

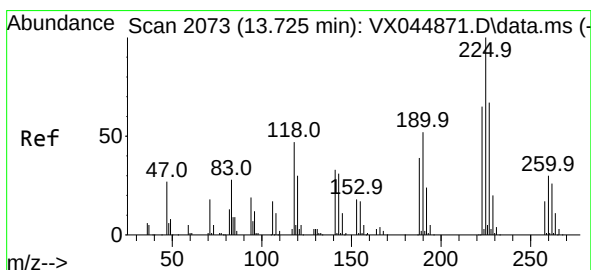
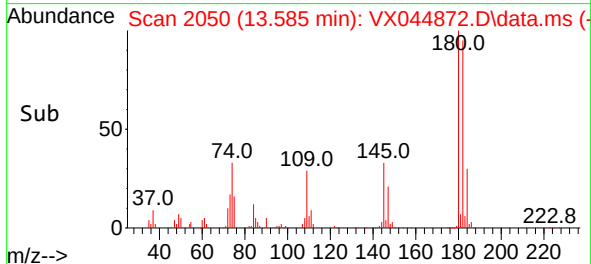
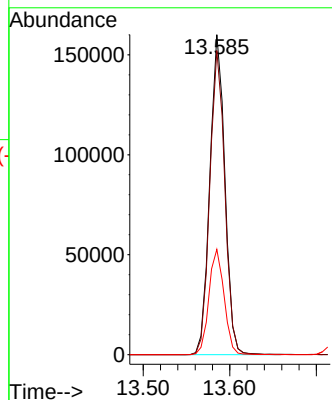
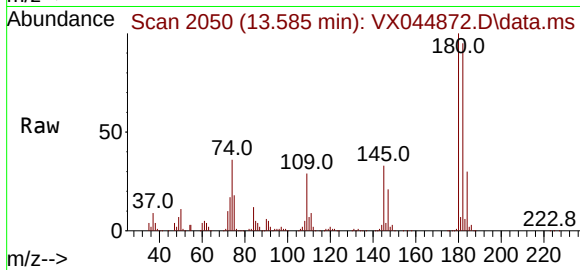
Tgt Ion:180 Resp: 193214

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

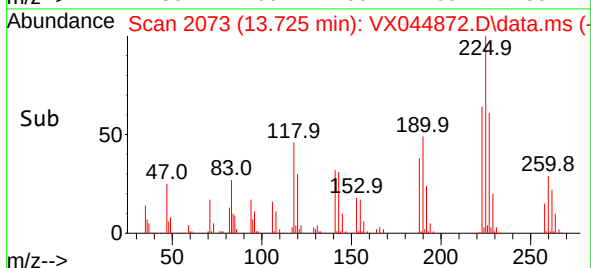
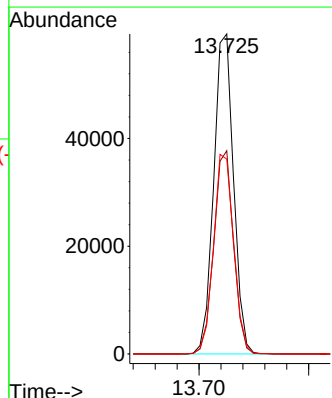
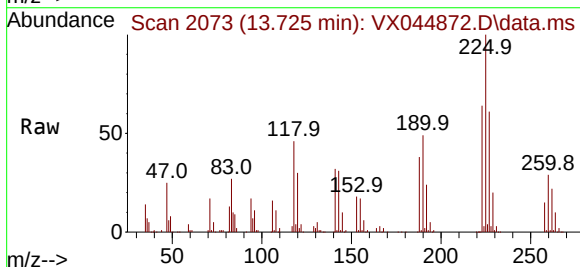
Tgt Ion:225 Resp: 74605

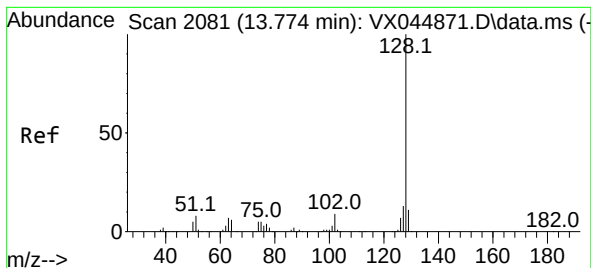
Ion Ratio Lower Upper

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

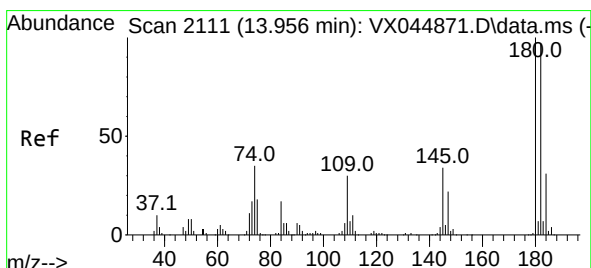
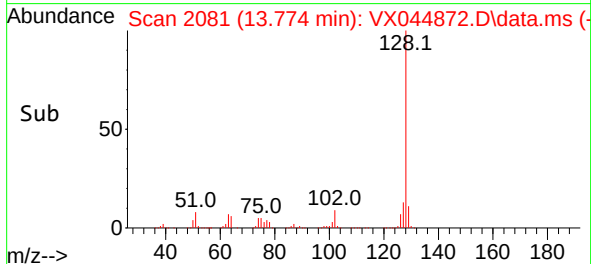
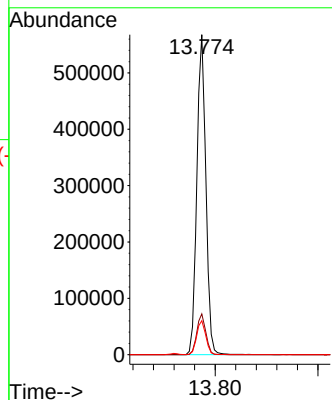
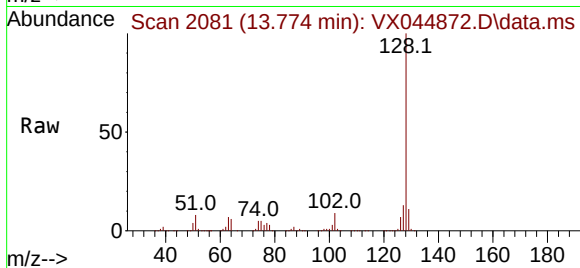
Tgt Ion:128 Resp: 689104

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

129 10.7 8.9 13.3



#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

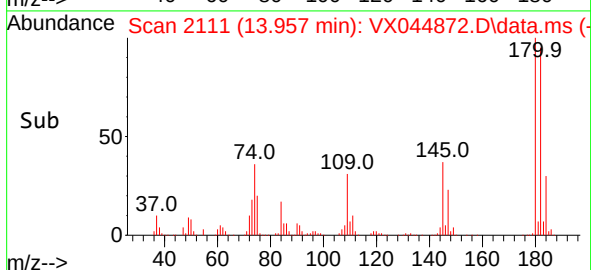
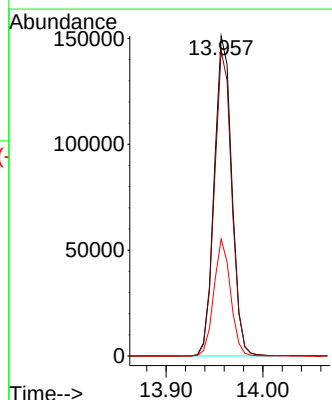
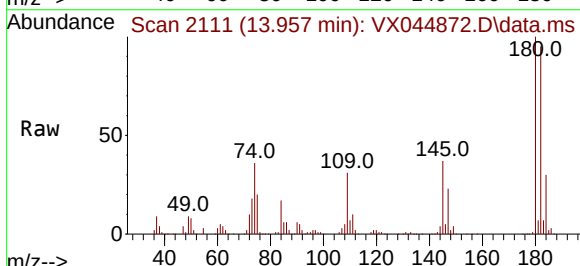
Tgt Ion:180 Resp: 190534

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

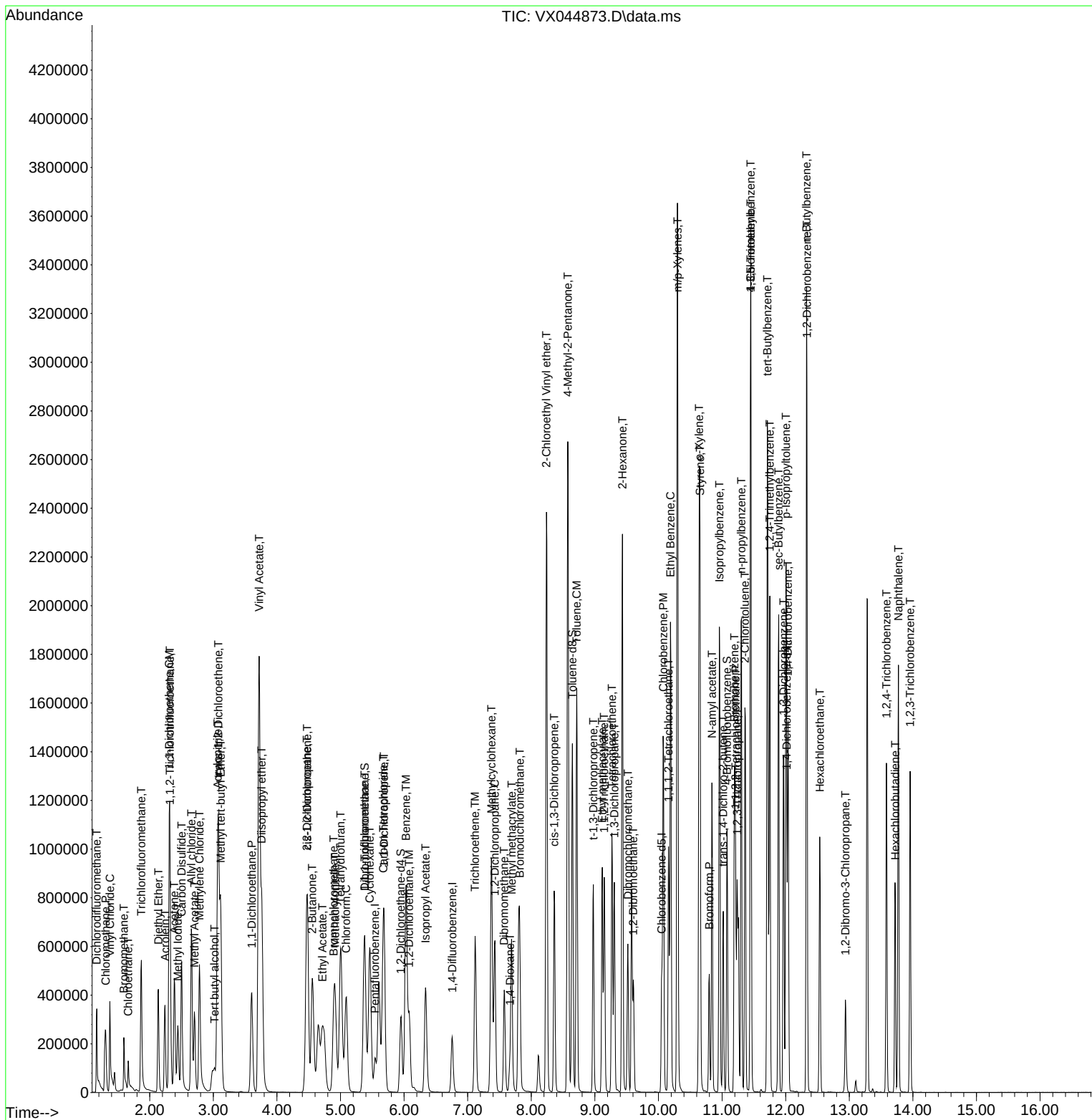
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MSVOA_X
ClientSampleId :
VSTDICC150

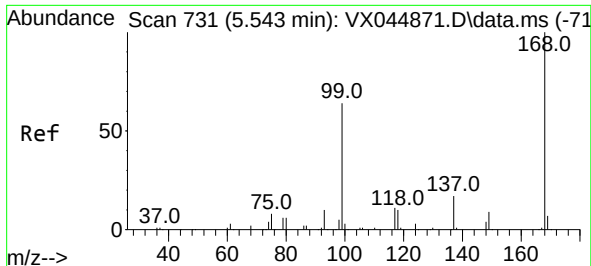
Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

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

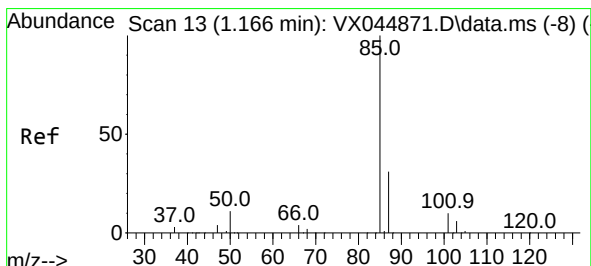
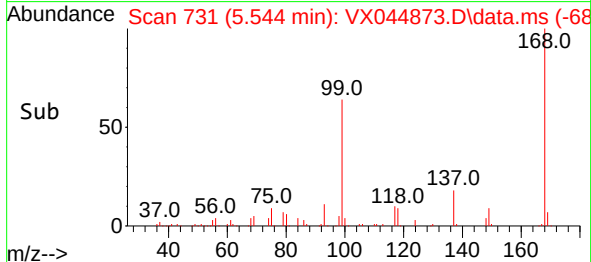
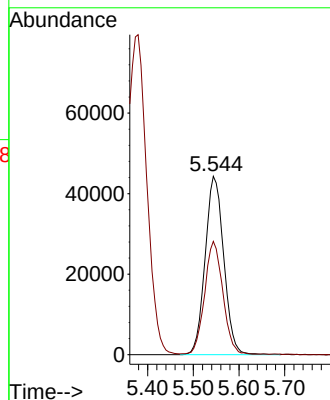
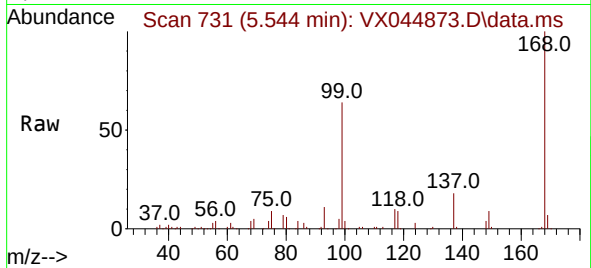




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

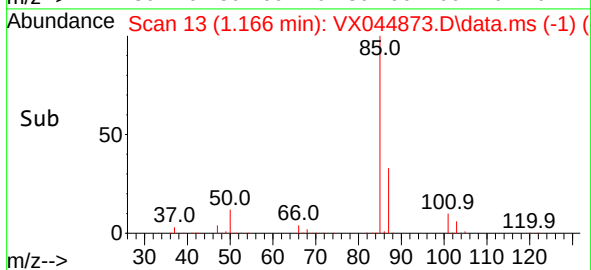
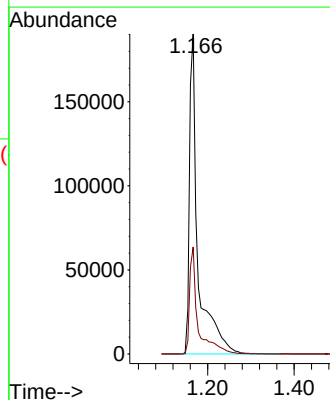
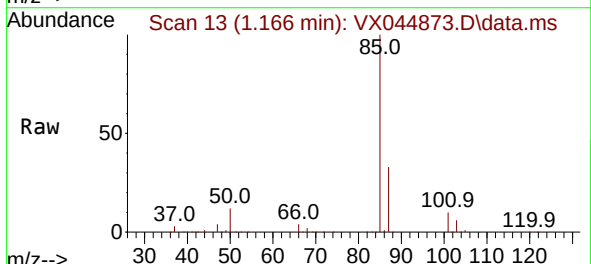
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

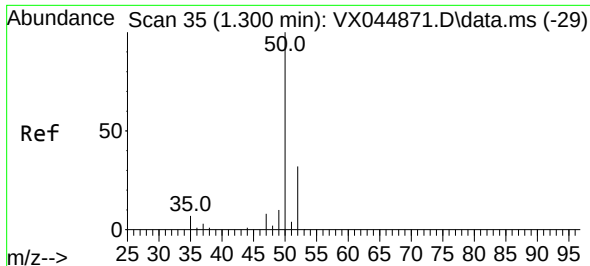
Tgt Ion:168 Resp: 125253
Ion Ratio Lower Upper
168 100
99 63.2 51.2 76.8



#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

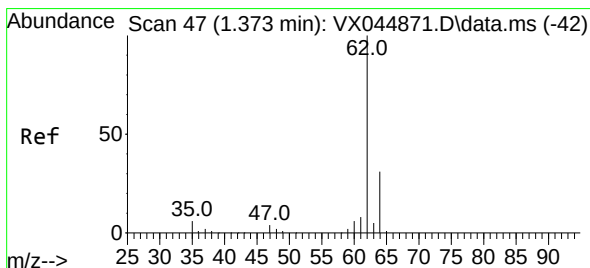
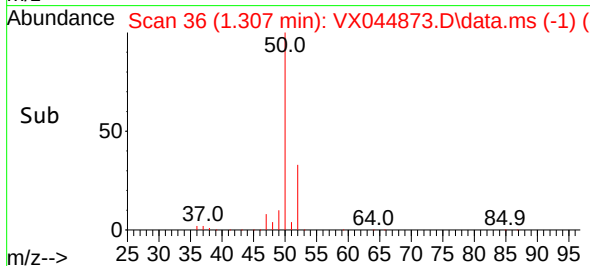
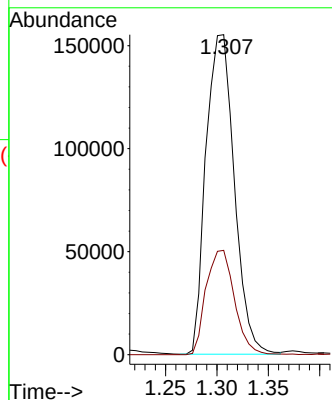
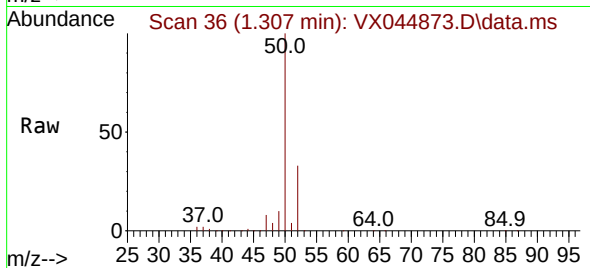




#3
Chloromethane
Concen: 139.361 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

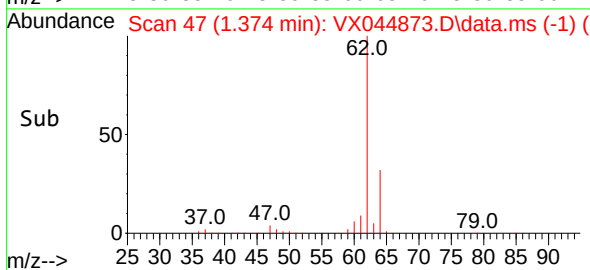
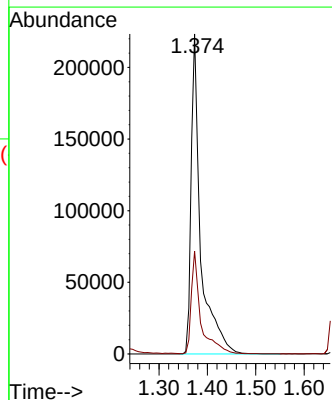
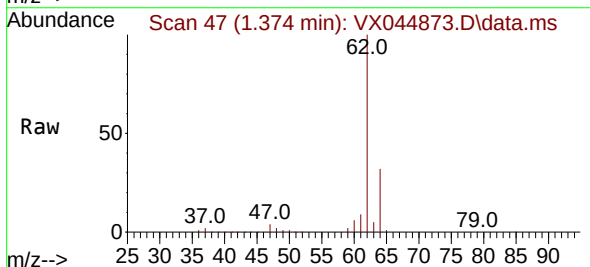
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

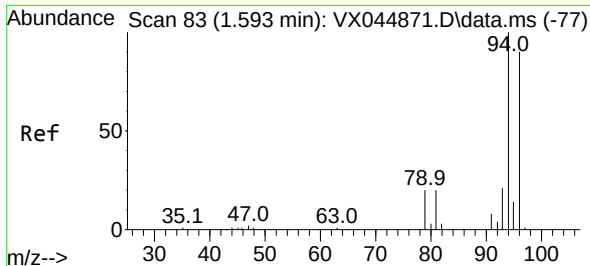
Tgt Ion: 50 Resp: 297968
Ion Ratio Lower Upper
50 100
52 32.7 25.9 38.9



#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

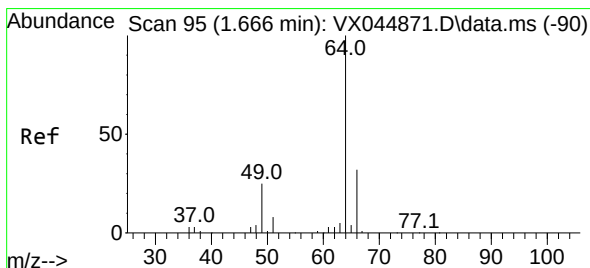
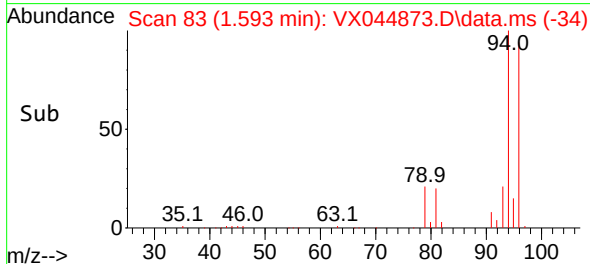
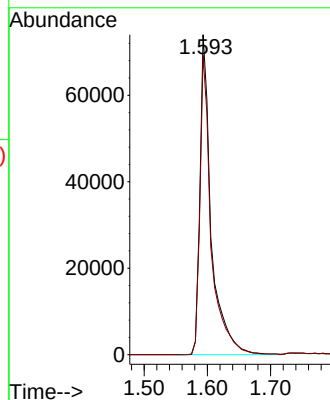
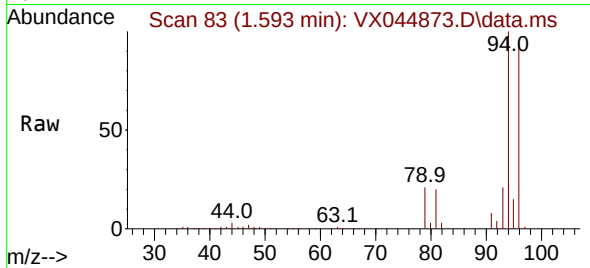




#5
Bromomethane
Concen: 149.071 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

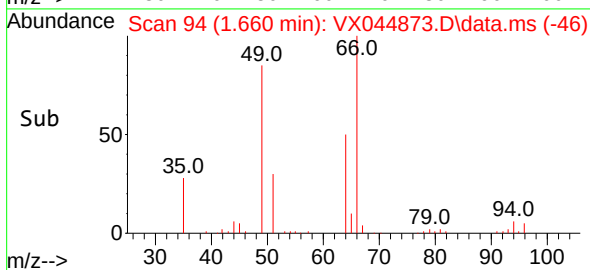
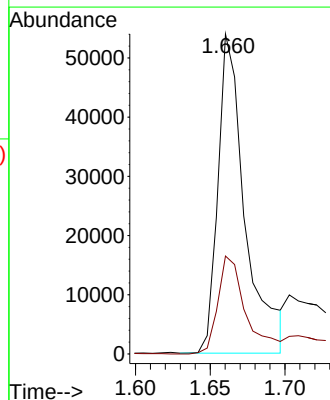
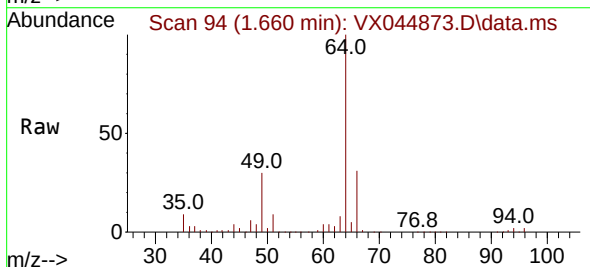
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

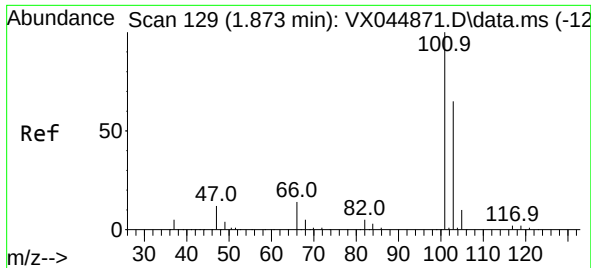
Tgt Ion: 94 Resp: 92399
Ion Ratio Lower Upper
94 100
96 93.6 71.6 107.4



#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

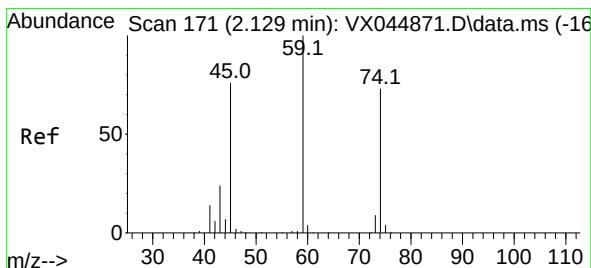
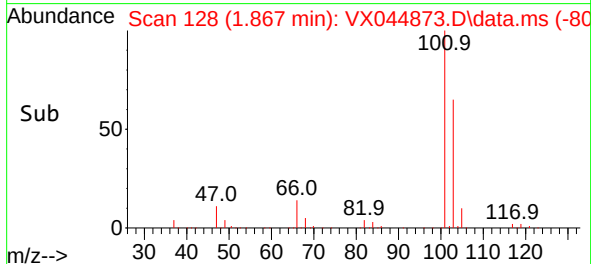
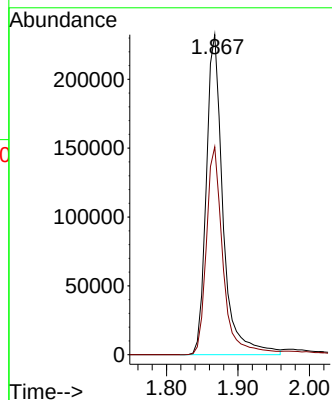
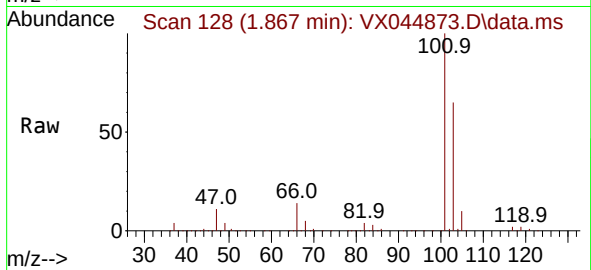




#7
Trichlorofluoromethane
Concen: 144.558 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

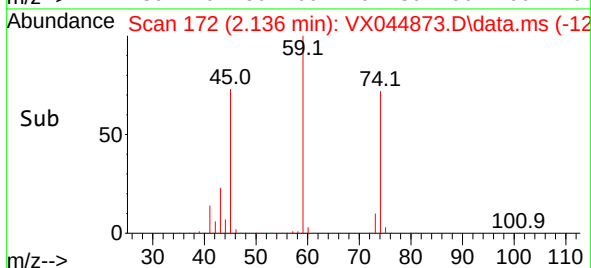
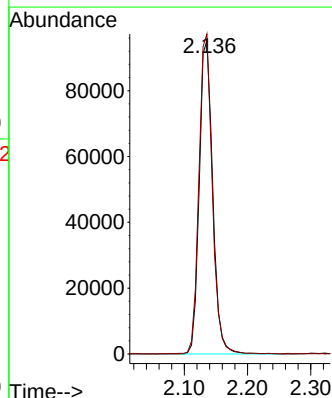
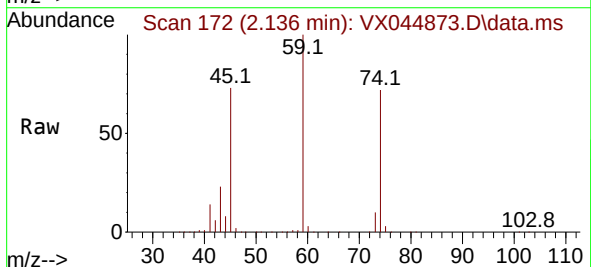
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

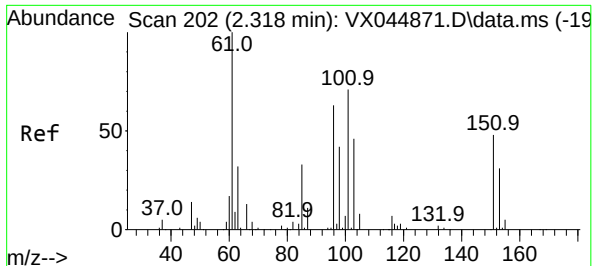
Tgt Ion:101 Resp: 378664
Ion Ratio Lower Upper
101 100
103 65.0 52.4 78.6



#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

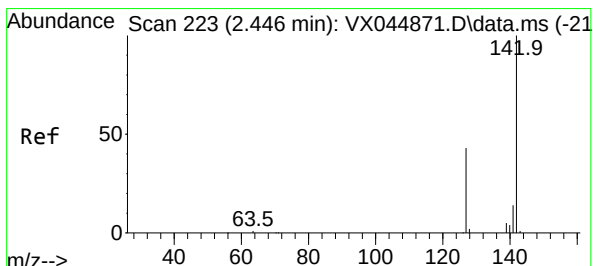
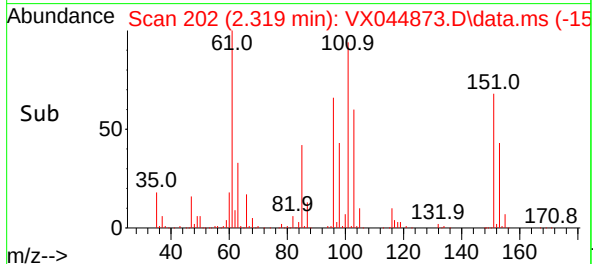
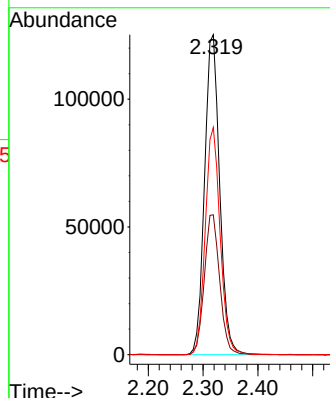
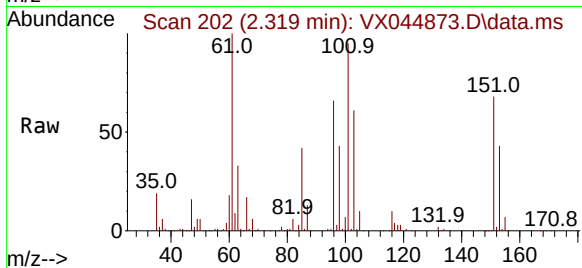




#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.147 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

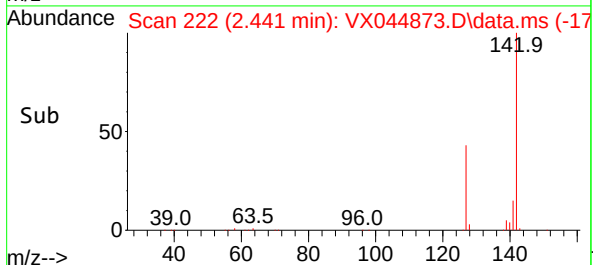
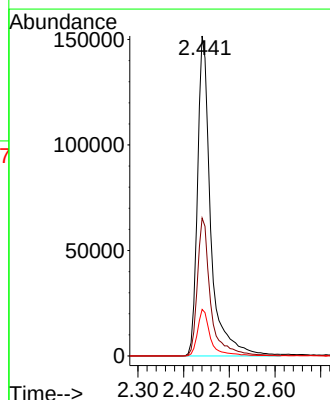
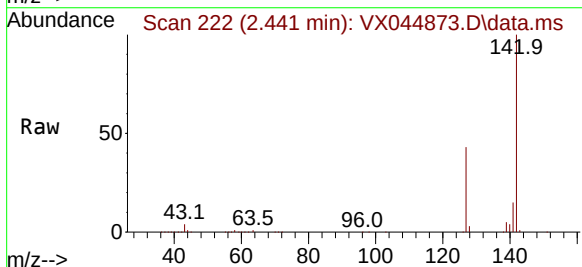
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

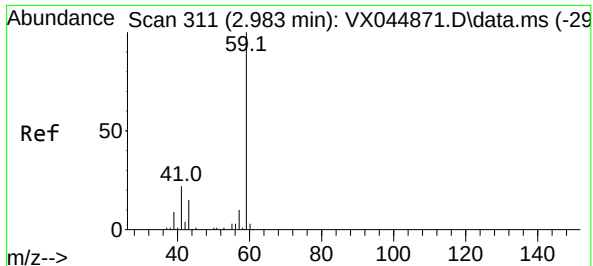
Tgt Ion:101 Resp: 239215
Ion Ratio Lower Upper
101 100
85 44.5 35.7 53.5
151 70.2 56.0 84.0



#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

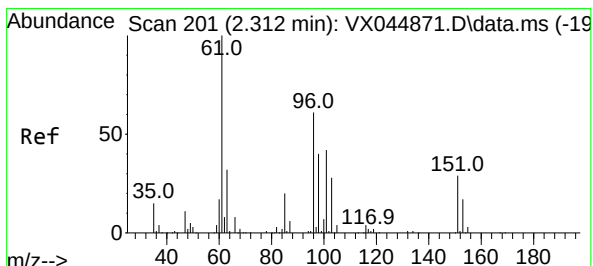
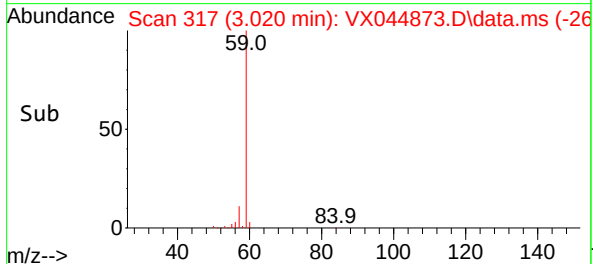
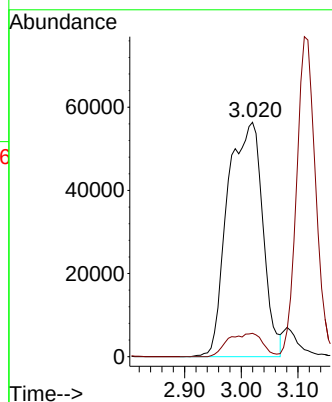
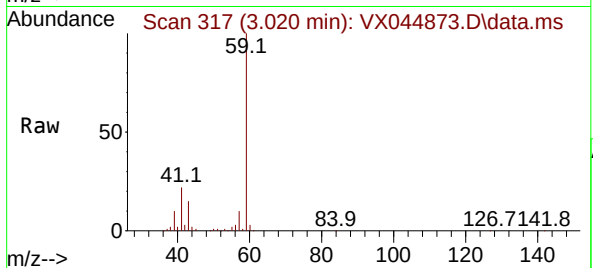




#11
Tert butyl alcohol
Concen: 712.734 ug/l
RT: 3.020 min Scan# 311
Delta R.T. 0.037 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

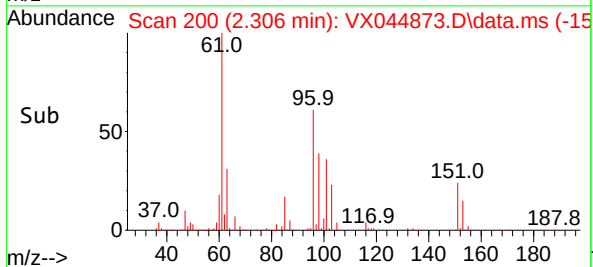
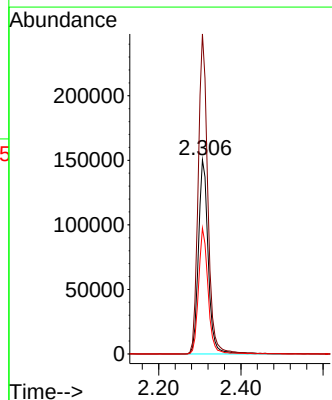
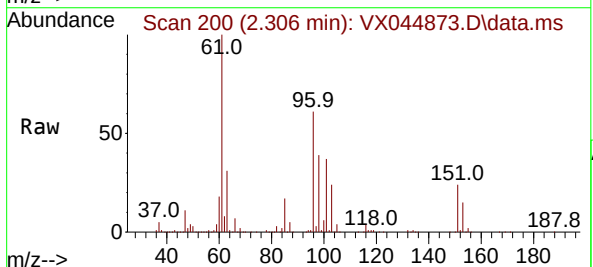
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

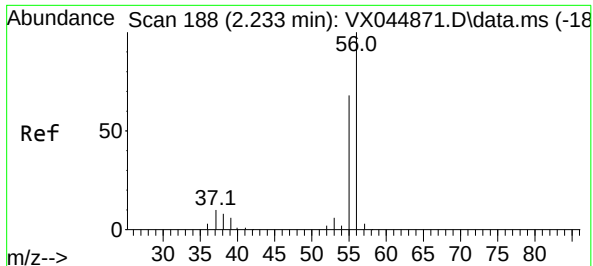
Tgt Ion: 59 Resp: 242430
Ion Ratio Lower Upper
59 100
57 9.9 8.1 12.1



#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

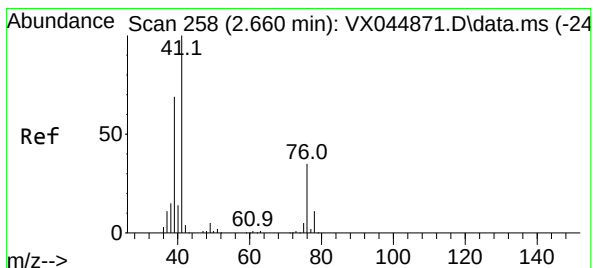
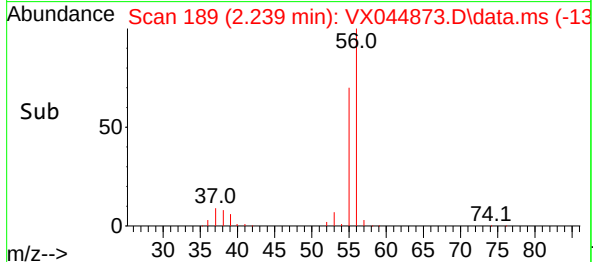
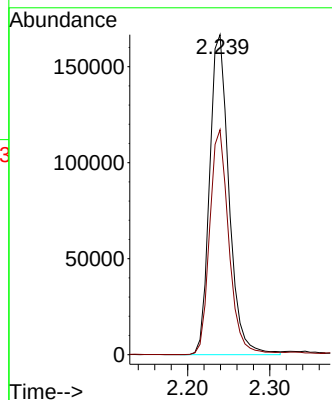
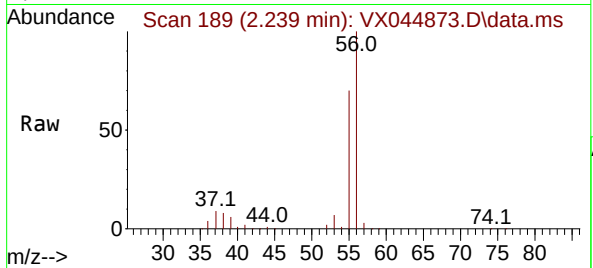




#13
Acrolein
Concen: 778.418 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

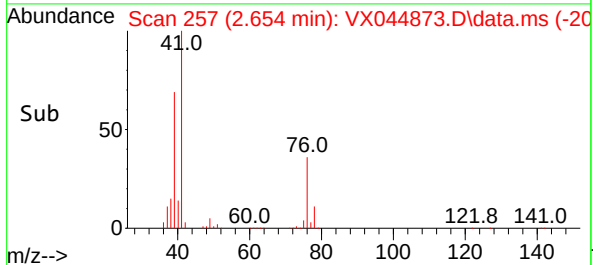
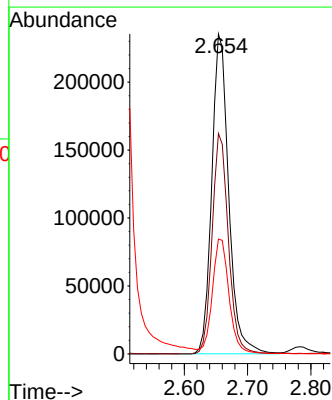
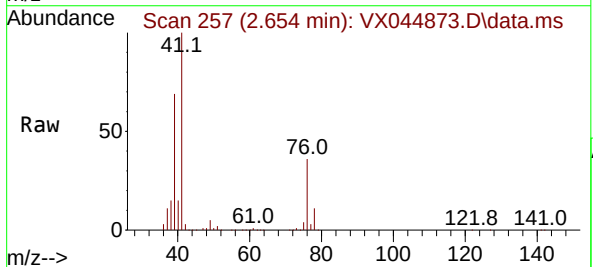
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

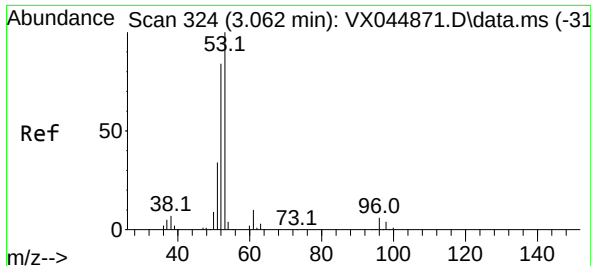
Tgt Ion: 56 Resp: 273178
Ion Ratio Lower Upper
56 100
55 69.6 55.7 83.5



#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 :

VSTDICC150

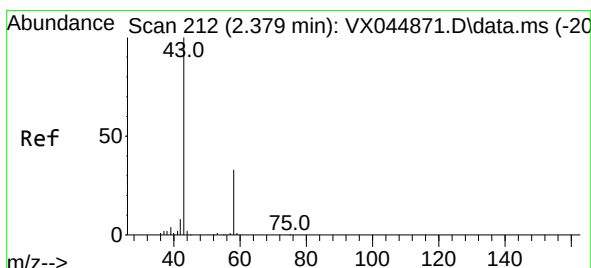
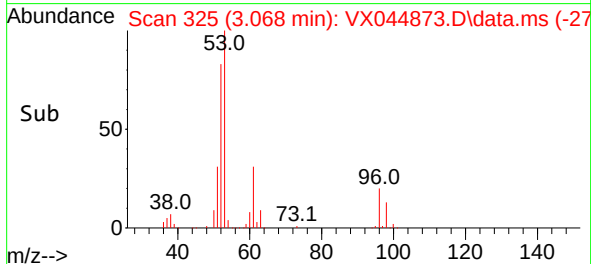
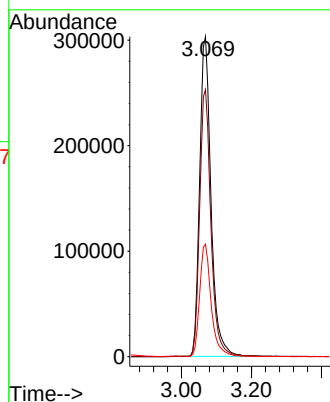
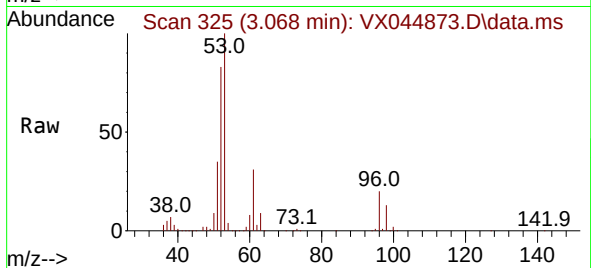
Tgt Ion: 53 Resp: 684234

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

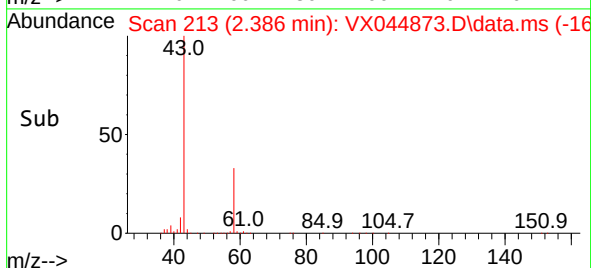
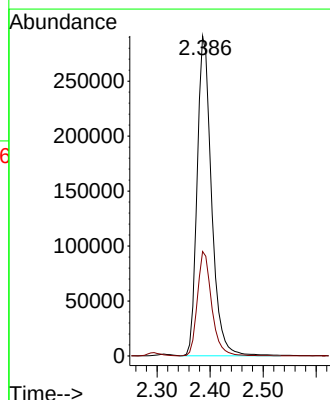
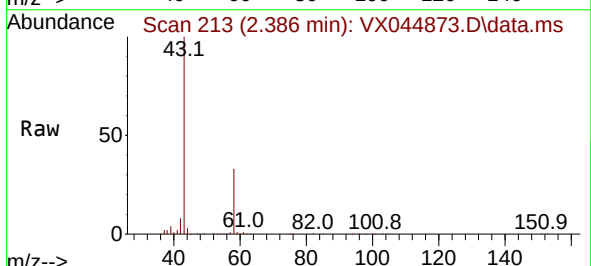
Acq: 10 Feb 2025 12:28

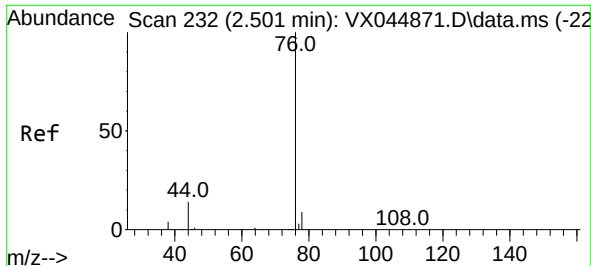
Tgt Ion: 43 Resp: 547939

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 :

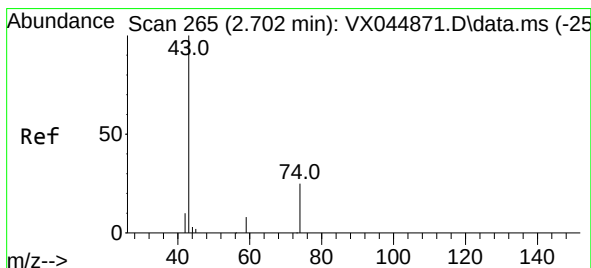
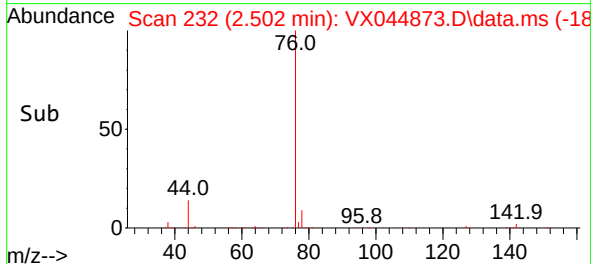
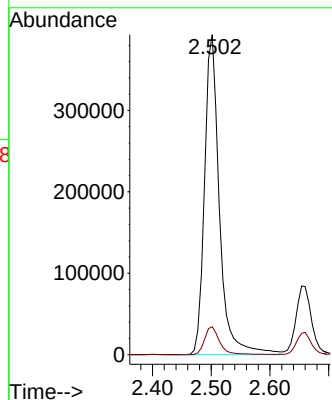
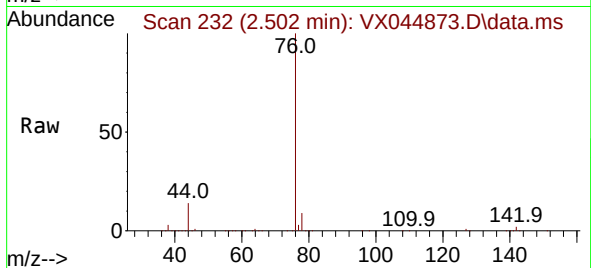
VSTDIC150

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

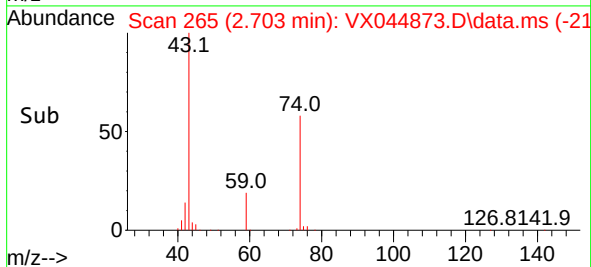
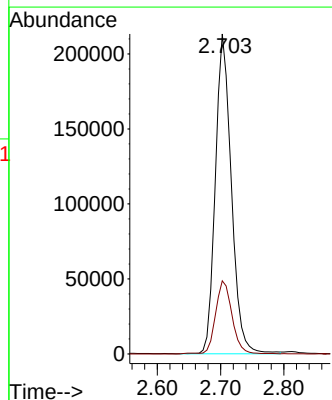
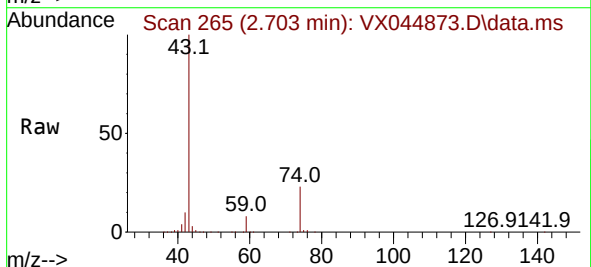
Acq: 10 Feb 2025 12:28

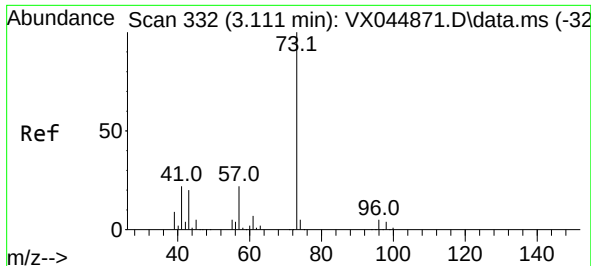
Tgt Ion: 43 Resp: 373877

Ion Ratio Lower Upper

43 100

74 23.7 18.9 28.3

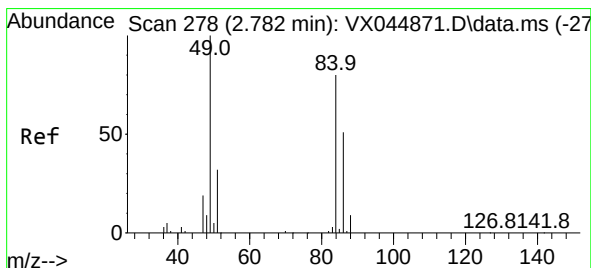
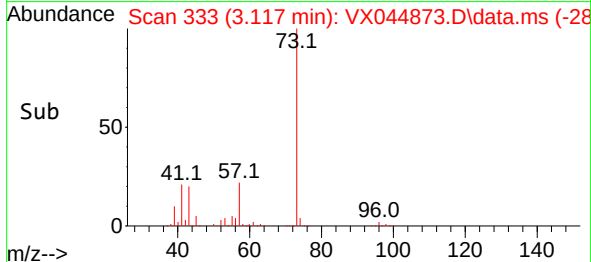
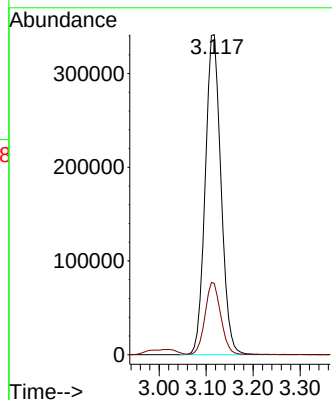
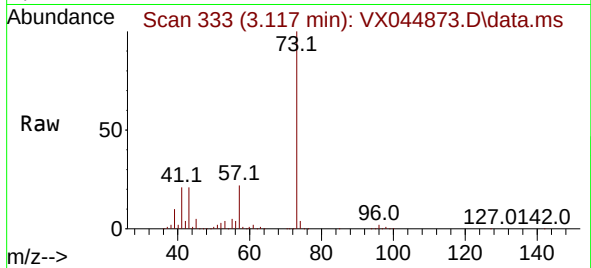




#19
Methyl tert-butyl Ether
Concen: 154.347 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

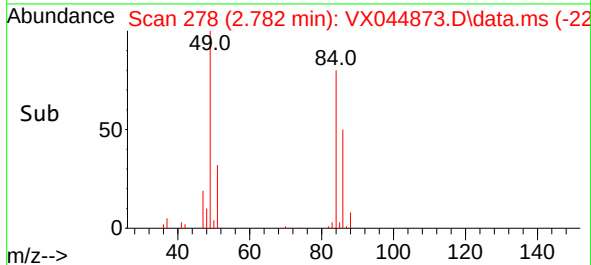
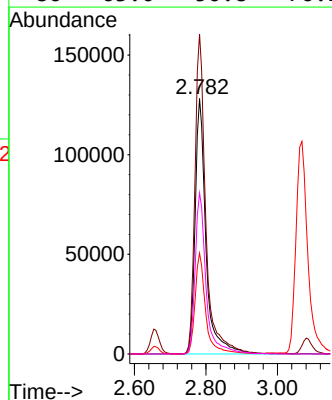
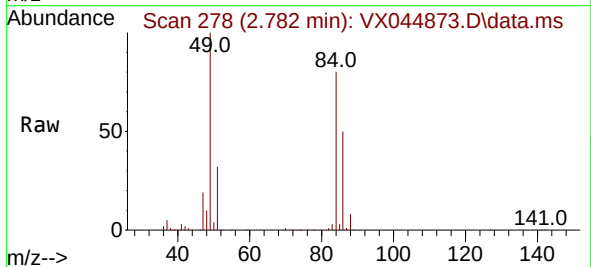
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

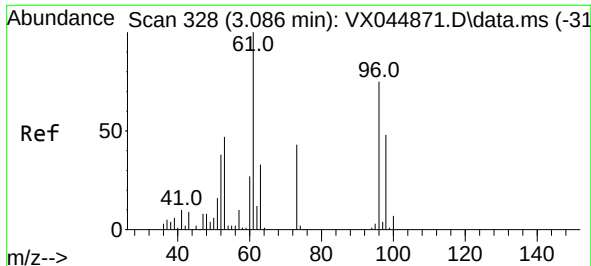
Tgt Ion: 73 Resp: 792810
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9



#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

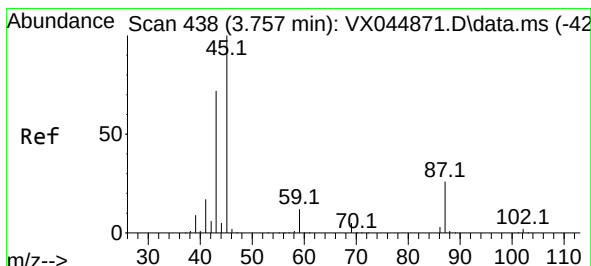
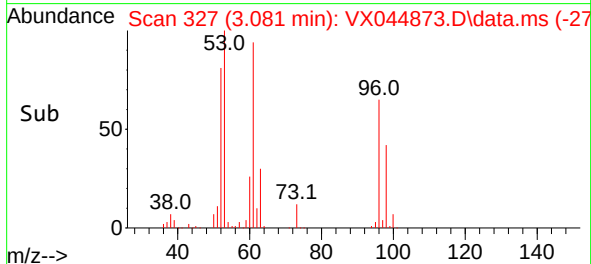
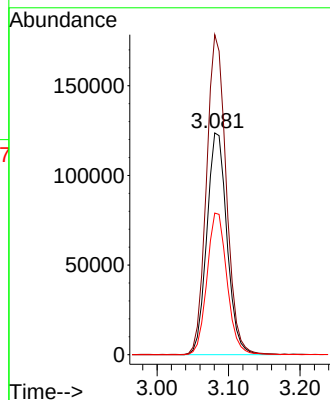
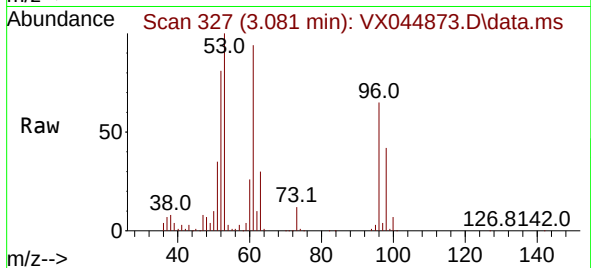




#21
trans-1,2-Dichloroethene
Concen: 152.356 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

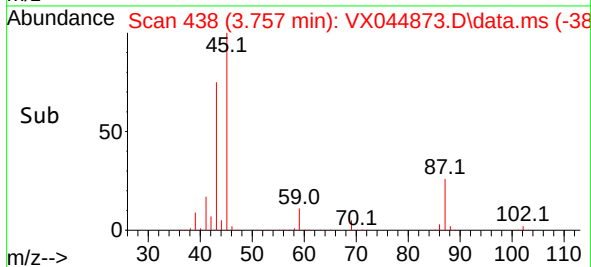
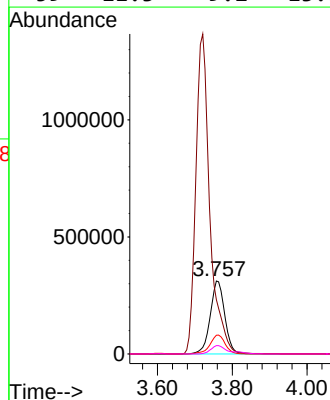
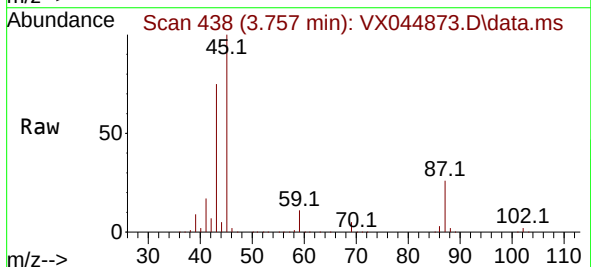
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

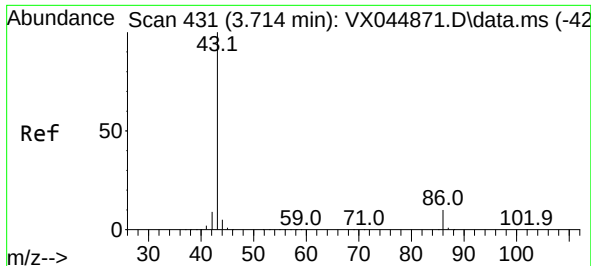
Tgt Ion: 96 Resp: 242082
Ion Ratio Lower Upper
96 100
61 144.2 106.0 159.0
98 63.9 50.6 76.0



#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

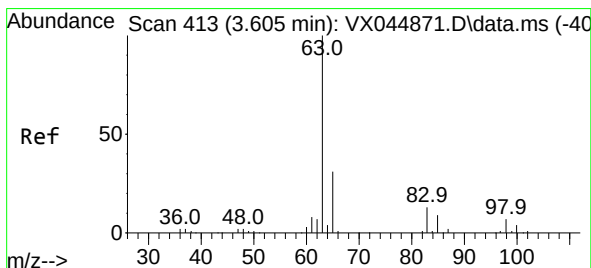
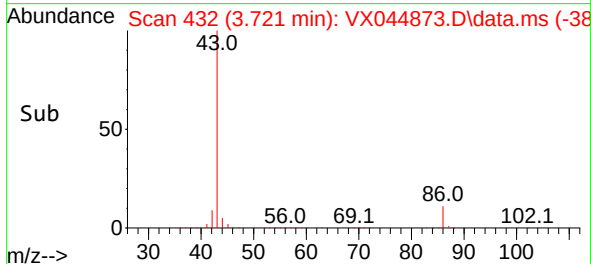
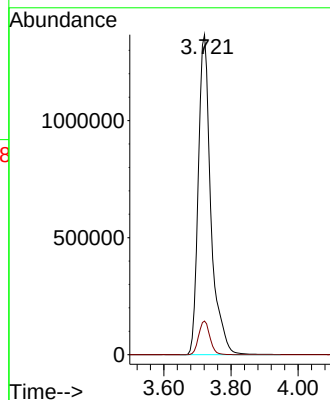
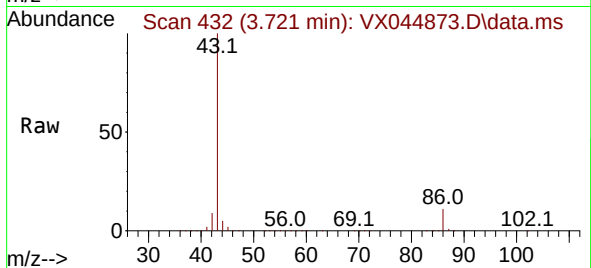




#23
 Vinyl Acetate
 Concen: 789.993 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

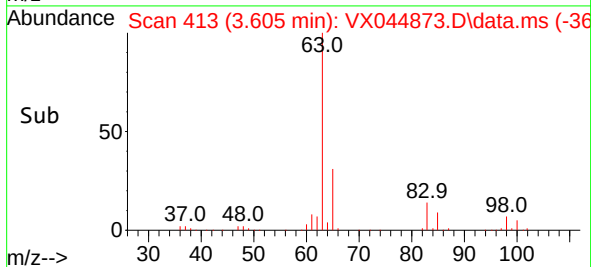
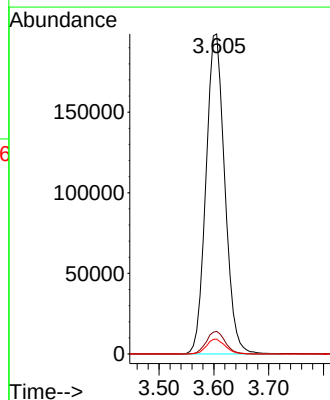
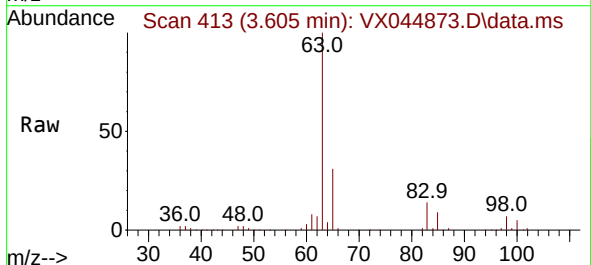
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

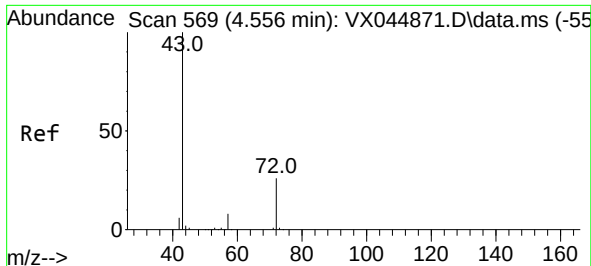
Tgt Ion: 43 Resp: 3555031
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.3 12.5



#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

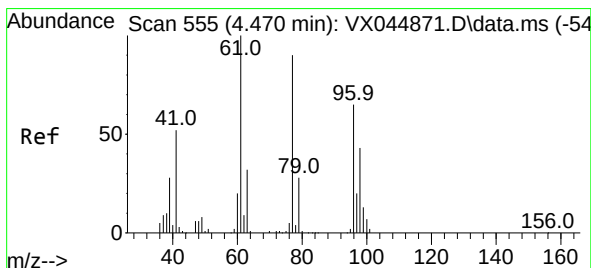
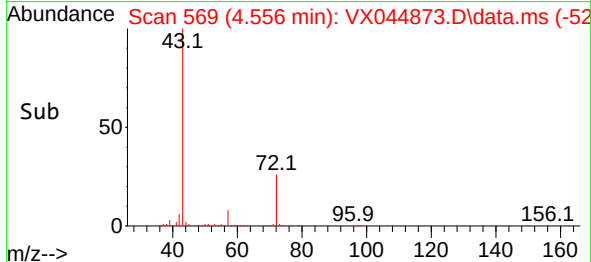
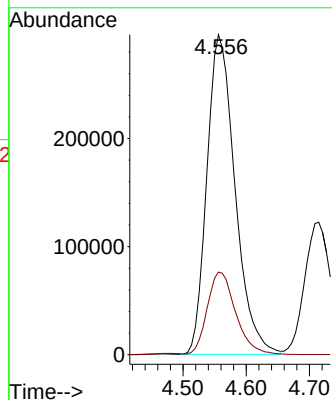
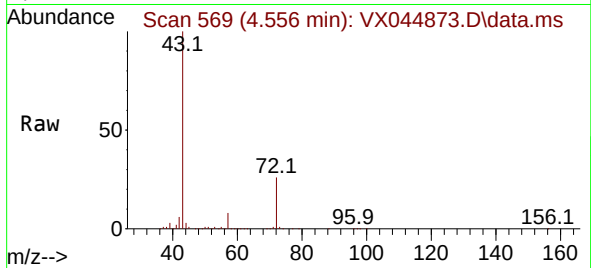




#25
2-Butanone
Concen: 764.276 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

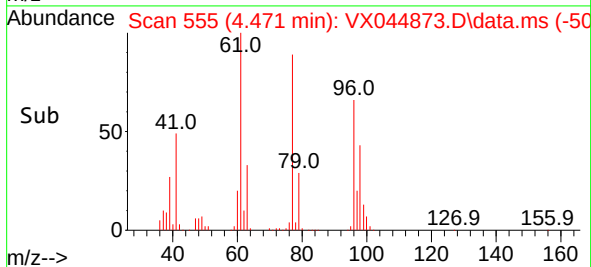
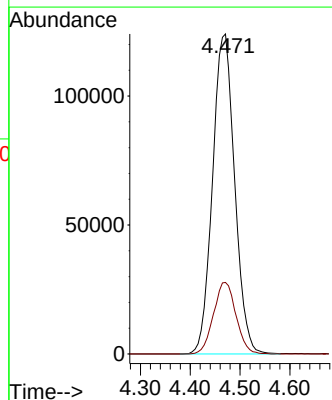
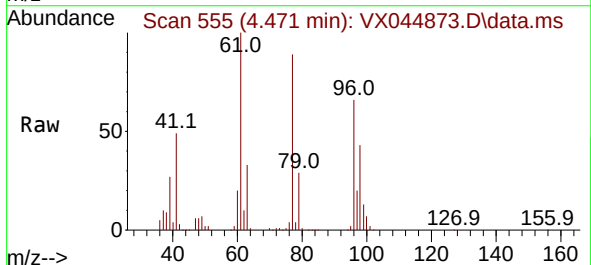
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

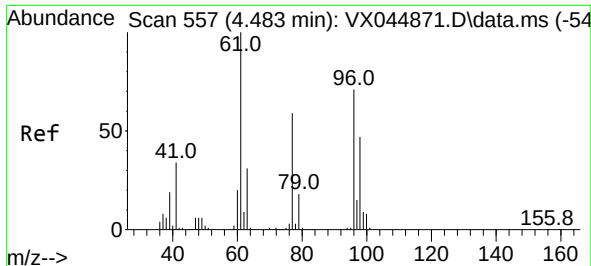
Tgt Ion: 43 Resp: 914741
Ion Ratio Lower Upper
43 100
72 25.6 21.2 31.8



#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

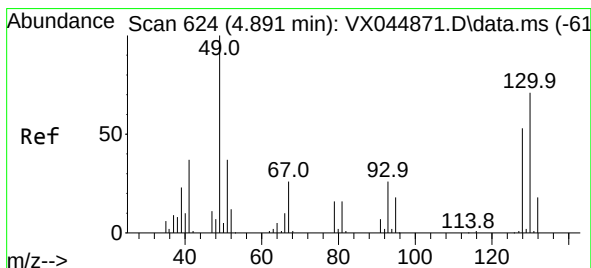
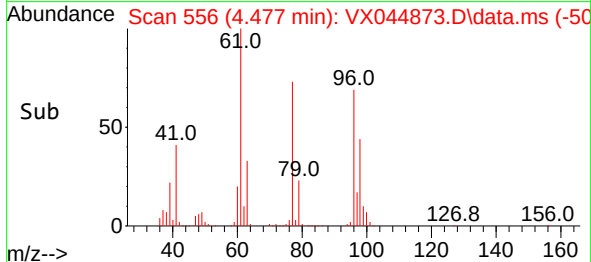
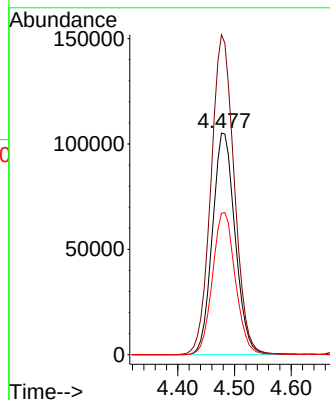
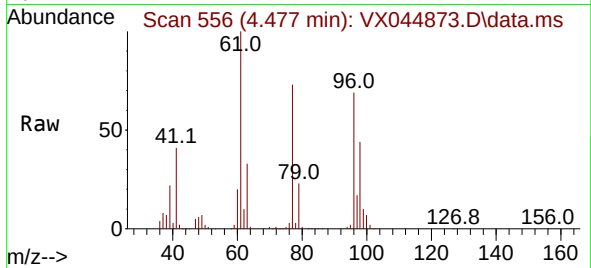
Tgt Ion: 96 Resp: 292864

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

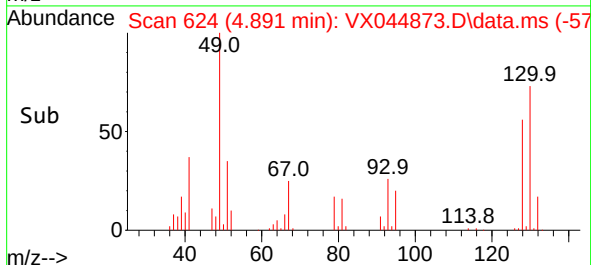
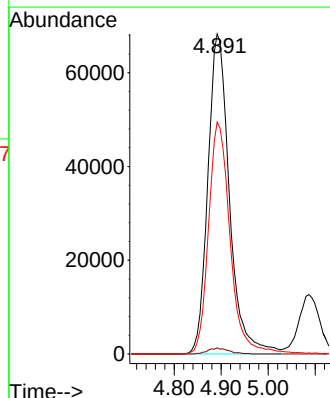
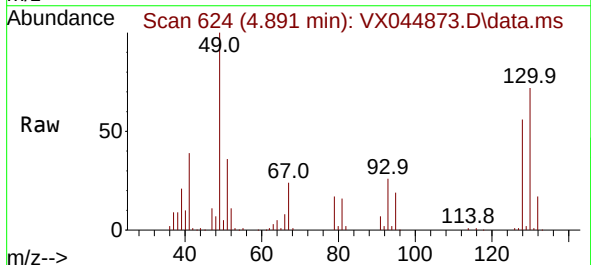
Tgt Ion: 49 Resp: 217387

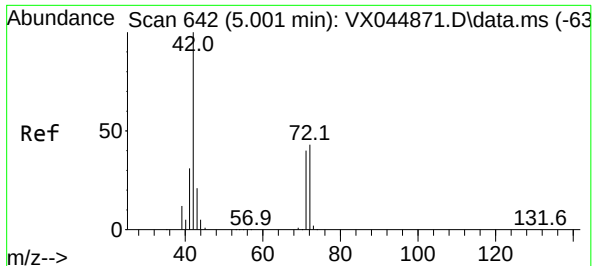
Ion Ratio Lower Upper

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

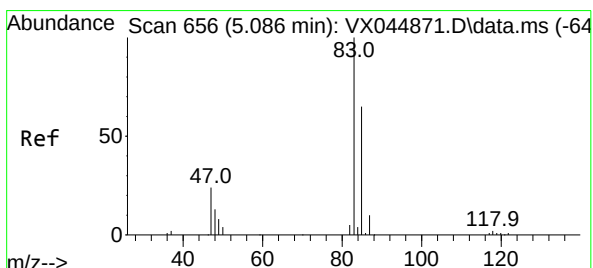
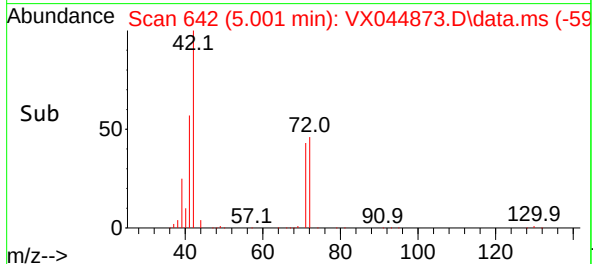
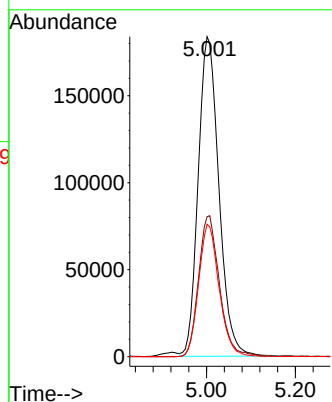
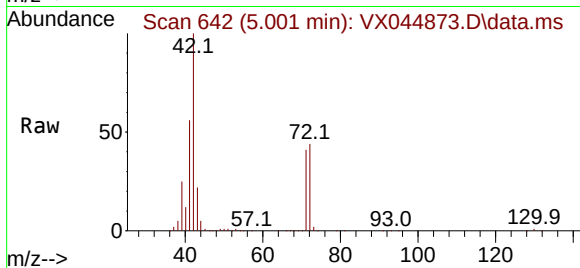
Tgt Ion: 42 Resp: 596045

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

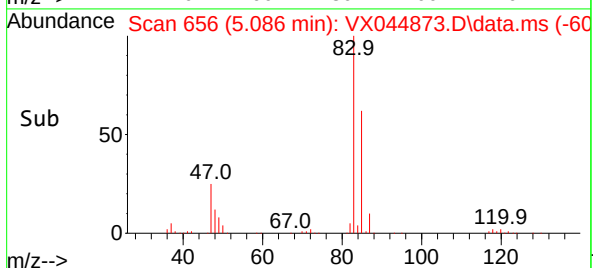
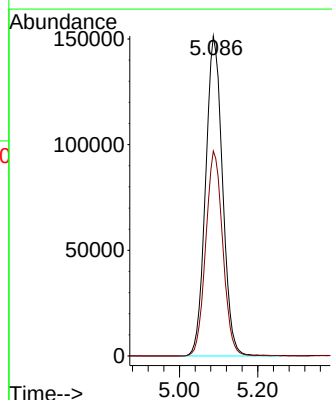
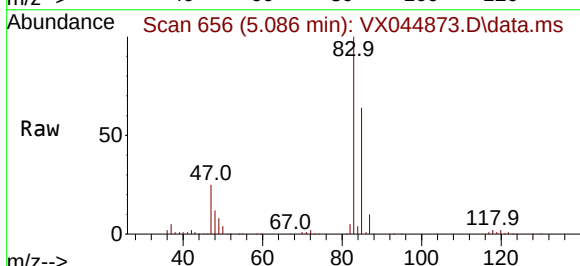
Acq: 10 Feb 2025 12:28

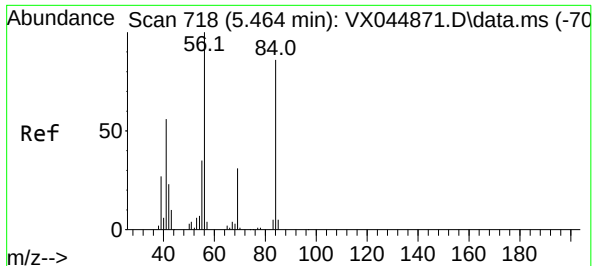
Tgt Ion: 83 Resp: 453809

Ion Ratio Lower Upper

83 100

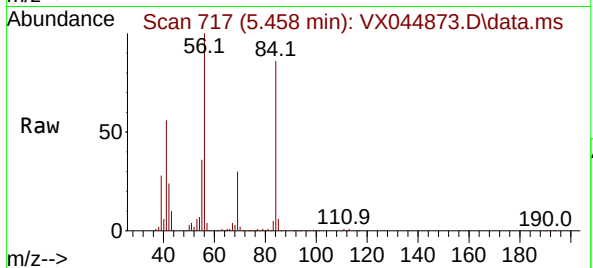
85 64.1 52.1 78.1





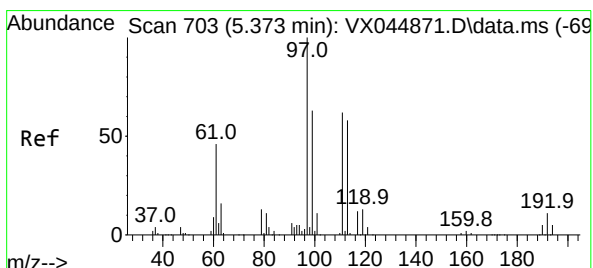
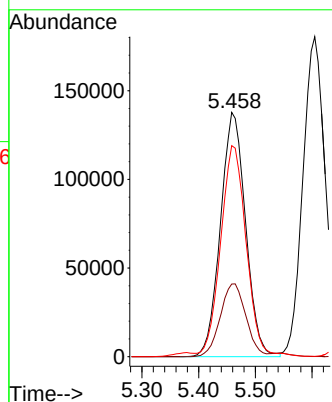
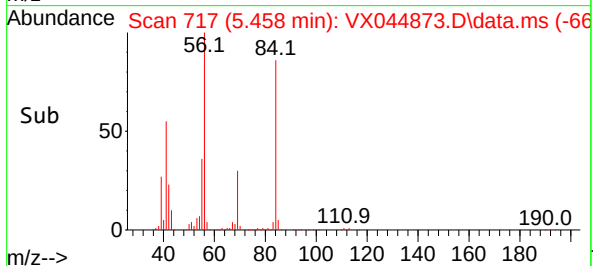
#31
Cyclohexane
Concen: 148.722 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 56 Resp: 423464

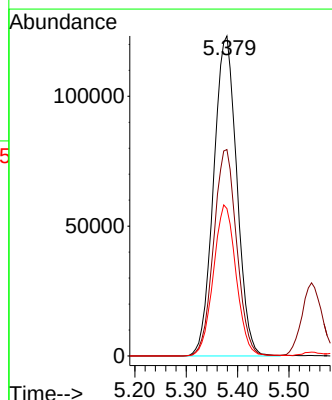
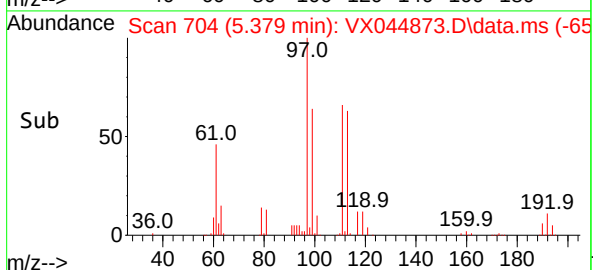
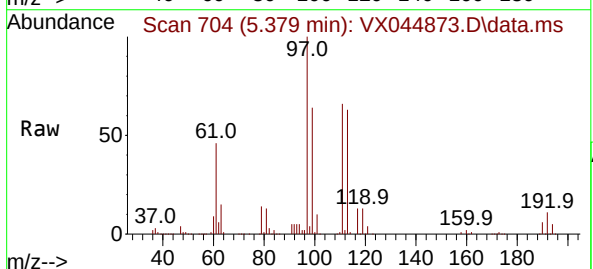
Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.4	36.6
84	85.0	69.0	103.6

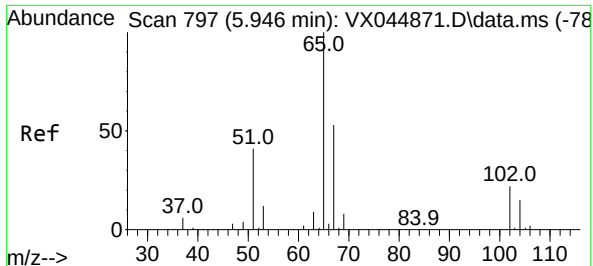


#32
1,1,1-Trichloroethane
Concen: 151.996 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

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

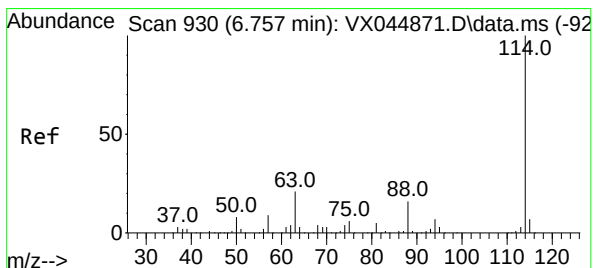
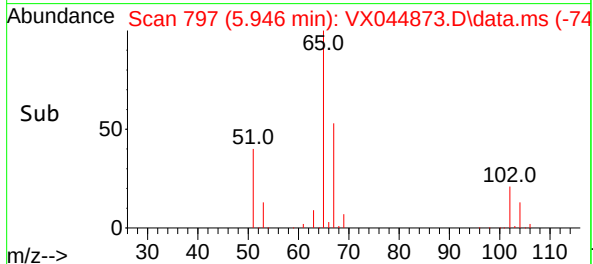
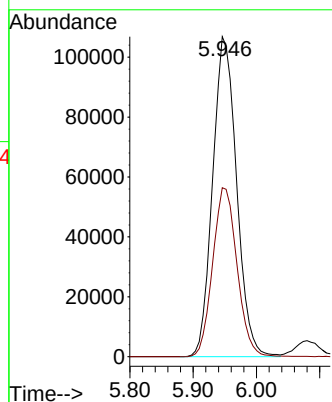
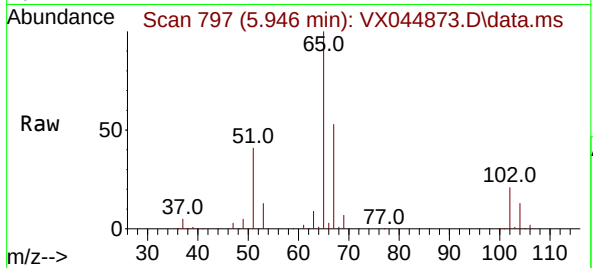




#33
 1,2-Dichloroethane-d4
 Concen: 153.180 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.000 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

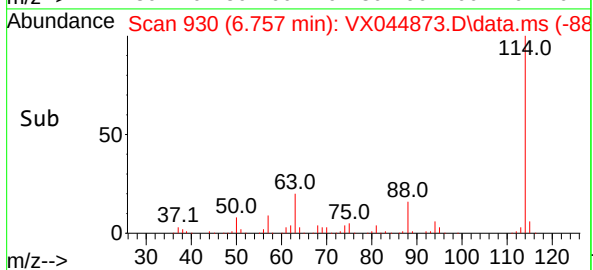
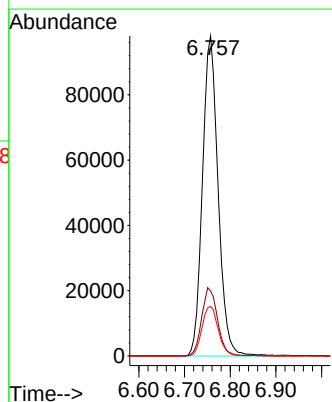
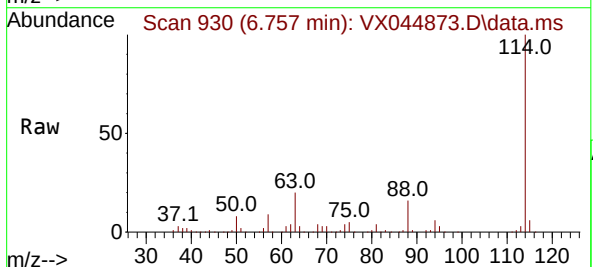
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

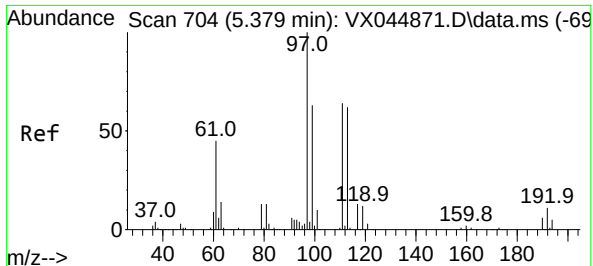
Tgt Ion: 65 Resp: 280853
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 108.2



#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

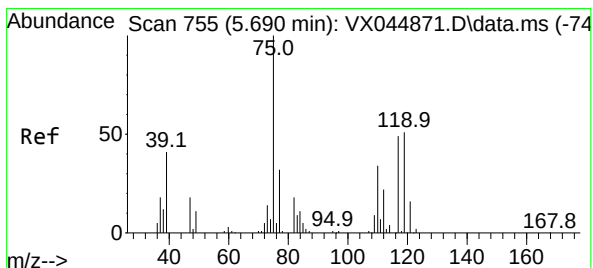
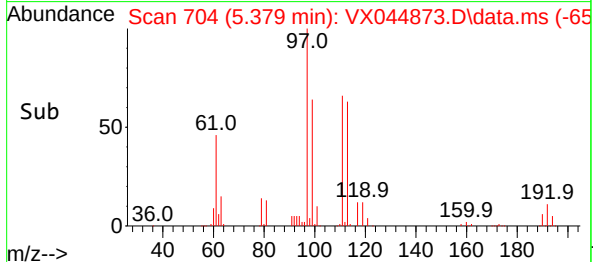
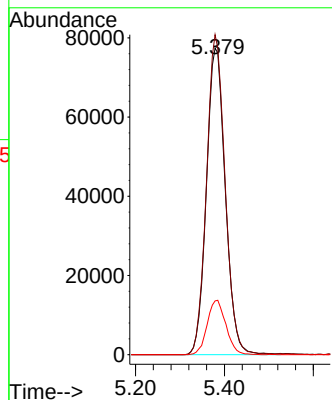
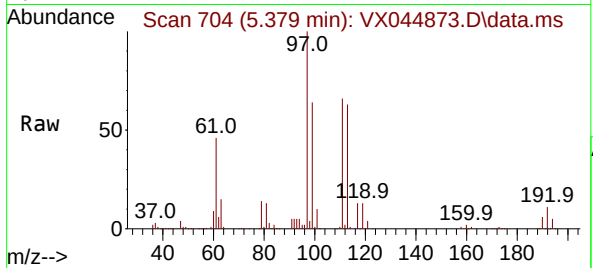




#35
Dibromofluoromethane
Concen: 151.572 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

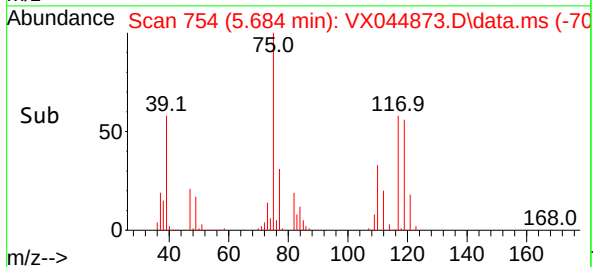
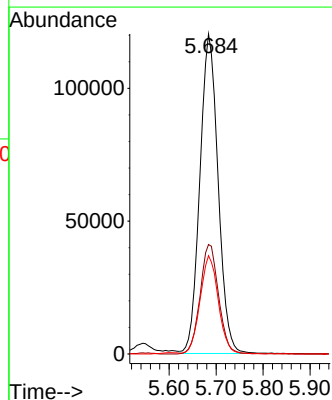
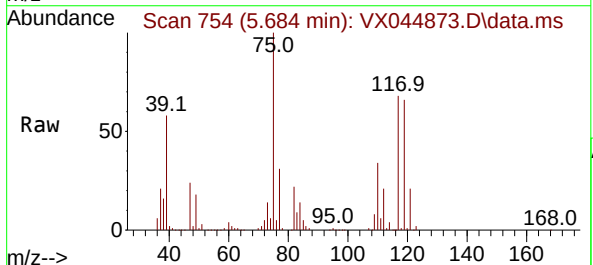
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

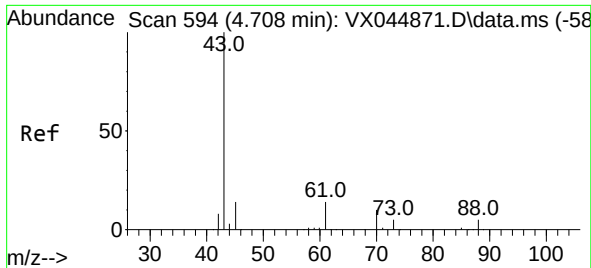
Tgt Ion:113 Resp: 229218
Ion Ratio Lower Upper
113 100
111 102.5 83.5 125.3
192 17.6 14.4 21.6



#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

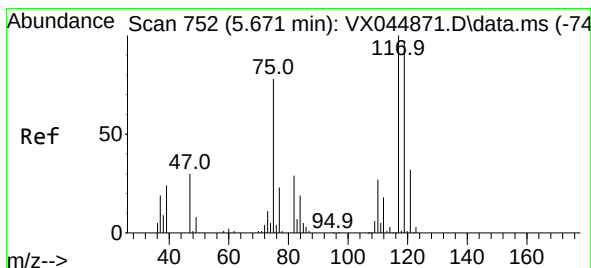
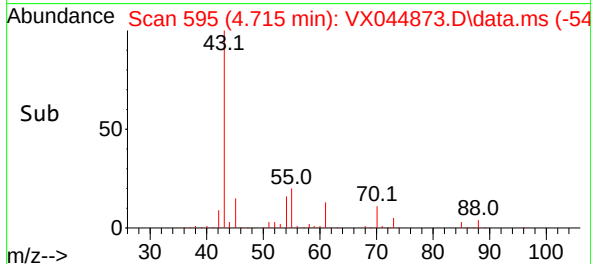
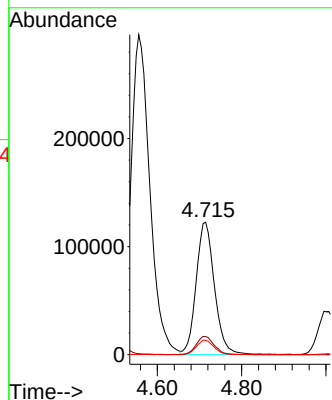
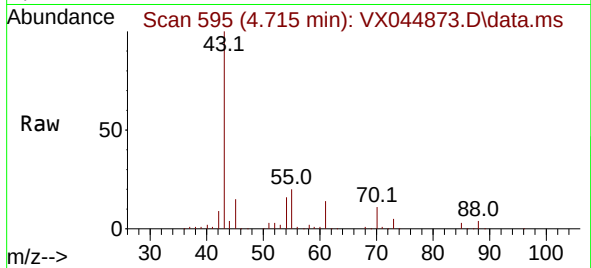




#37
Ethyl Acetate
Concen: 151.956 ug/l
RT: 4.715 min Scan# 594
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

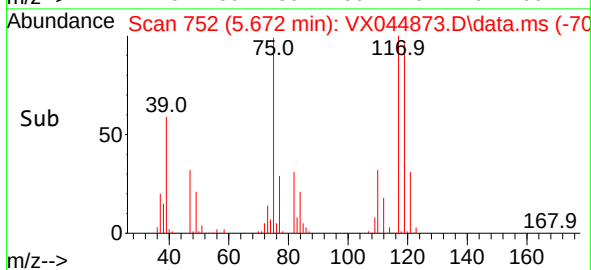
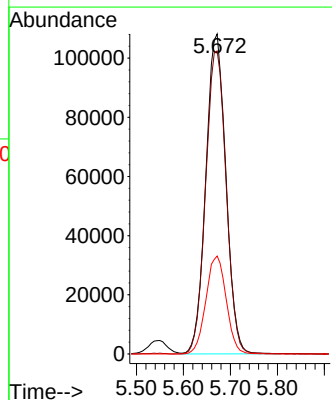
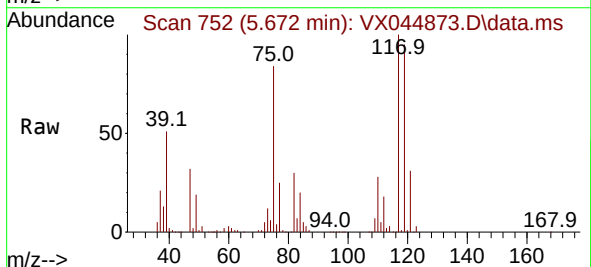
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

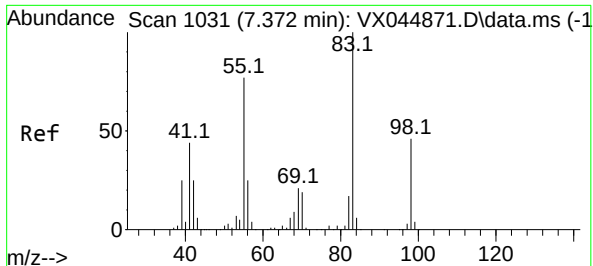
Tgt Ion: 43 Resp: 368763
Ion Ratio Lower Upper
43 100
61 13.5 11.0 16.4
70 10.6 8.2 12.2



#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

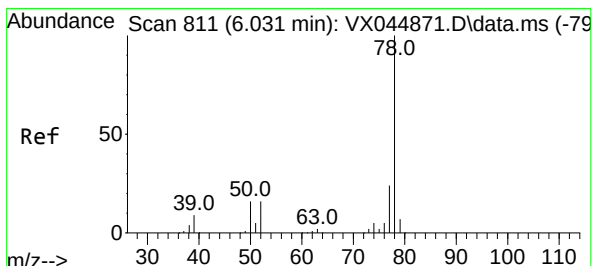
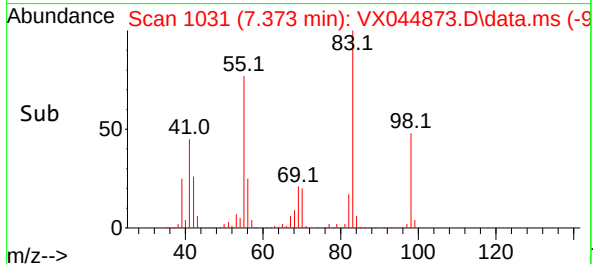
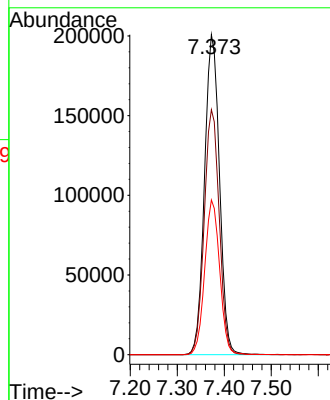
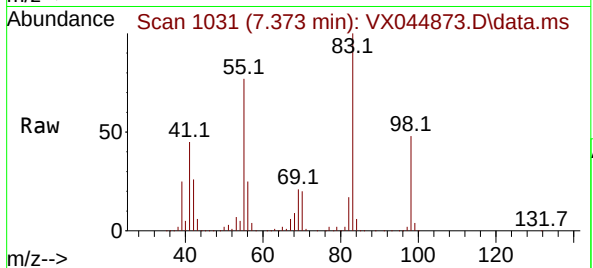
Tgt Ion: 83 Resp: 443218

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

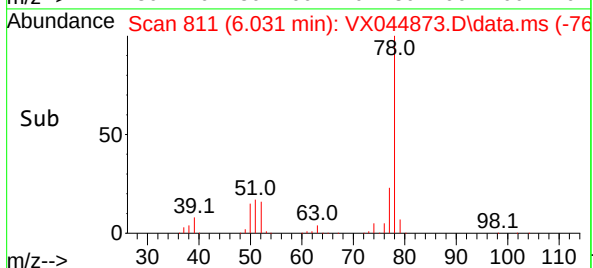
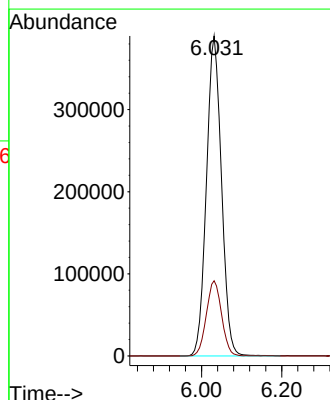
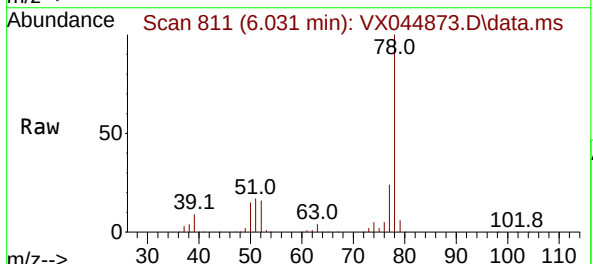
Acq: 10 Feb 2025 12:28

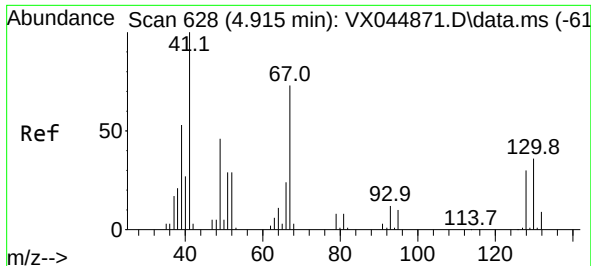
Tgt Ion: 78 Resp: 1014129

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6



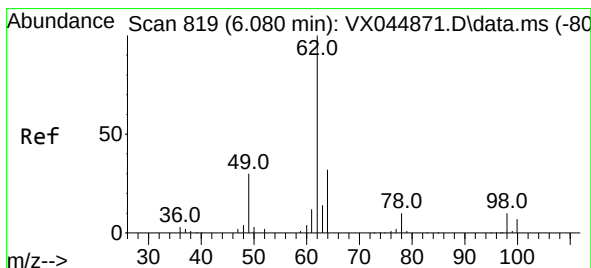
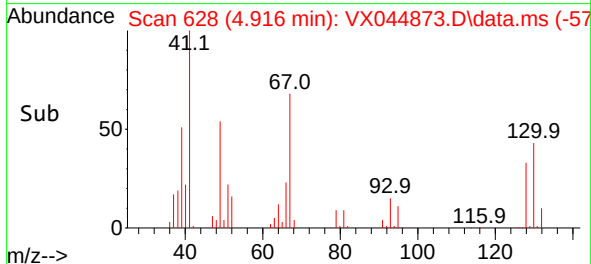
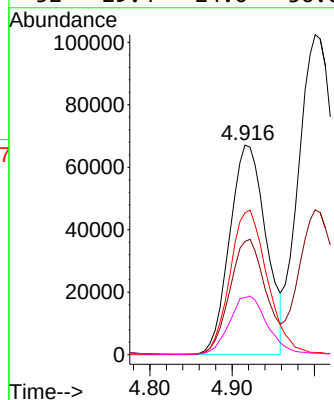
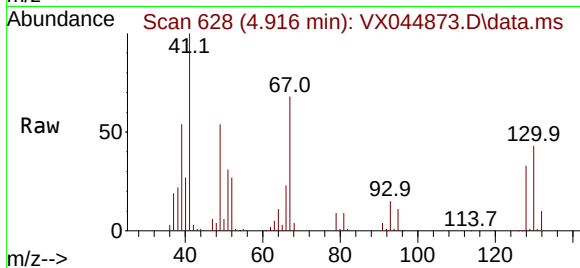


#41
Methacrylonitrile
Concen: 158.707 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 206155

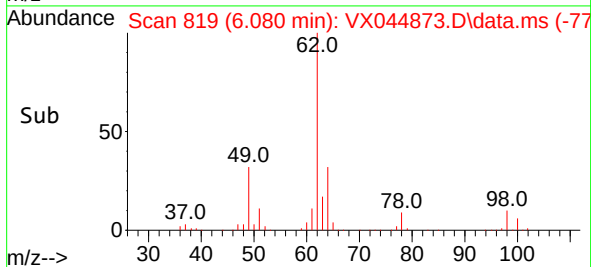
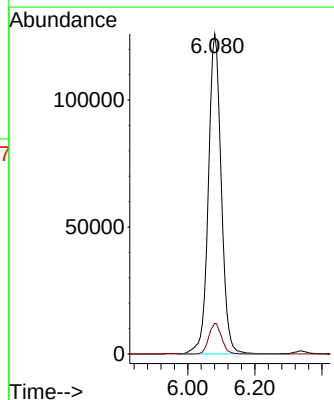
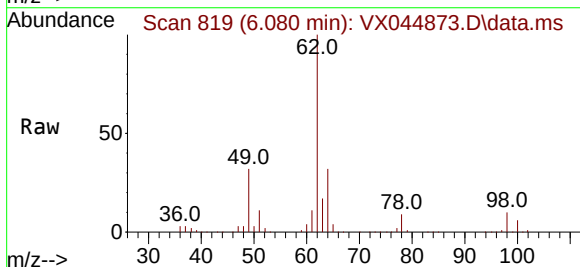
Ion	Ratio	Lower	Upper
41	100		
39	54.2	43.1	64.7
67	71.4	57.0	85.6
52	29.4	24.0	36.0

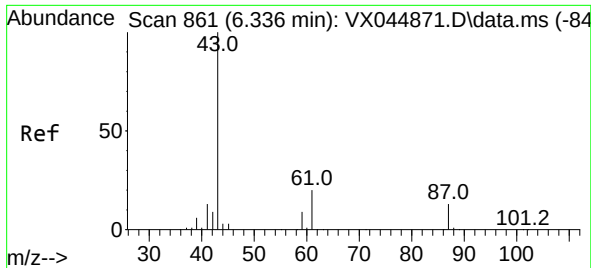


#42
1,2-Dichloroethane
Concen: 154.984 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 62 Resp: 336520

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4

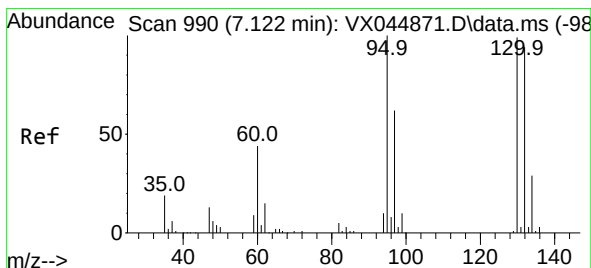
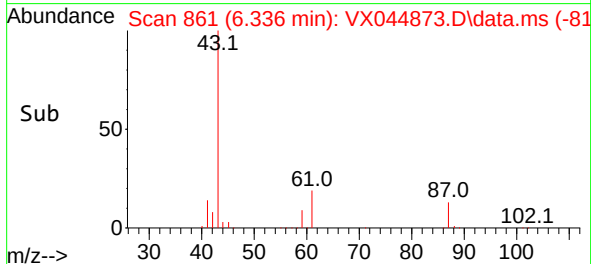
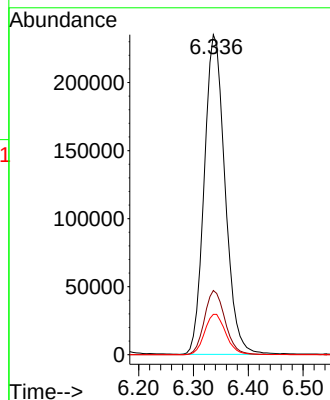
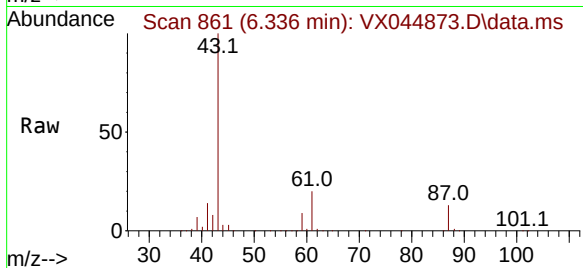




#43
Isopropyl Acetate
Concen: 157.575 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

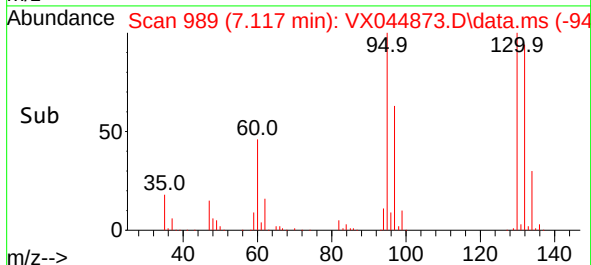
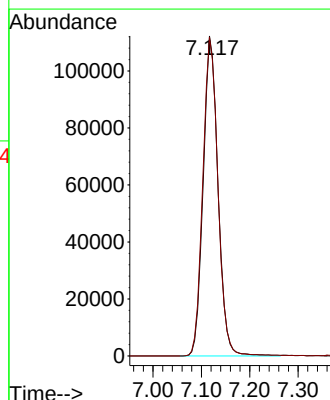
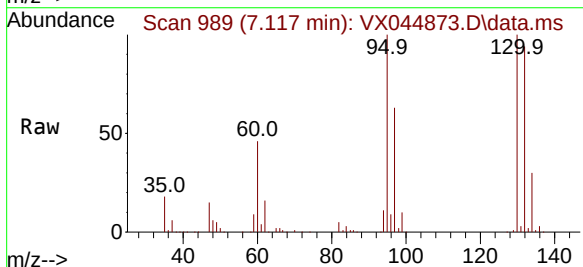
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

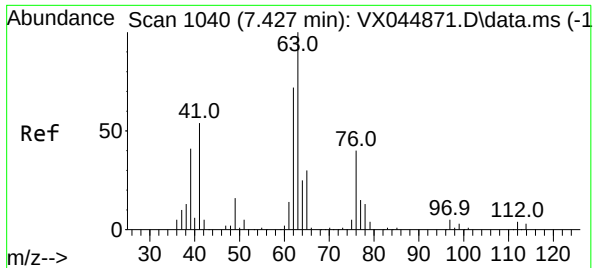
Tgt Ion: 43 Resp: 617516
Ion Ratio Lower Upper
43 100
61 20.1 15.8 23.8
87 12.9 10.0 15.0



#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 :

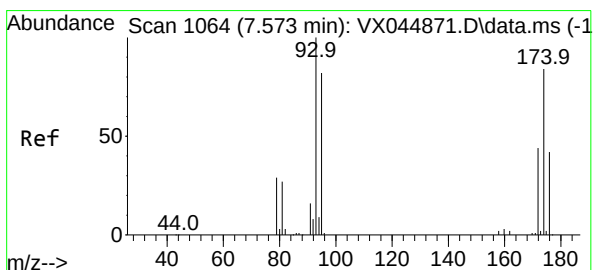
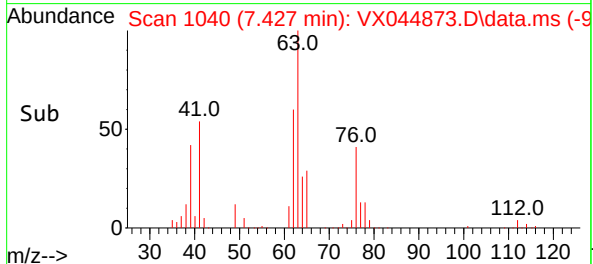
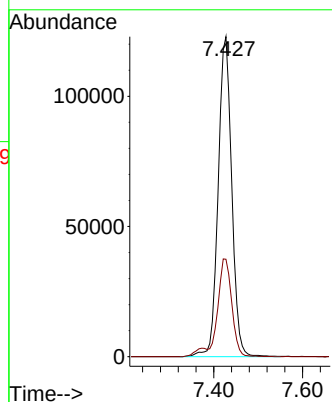
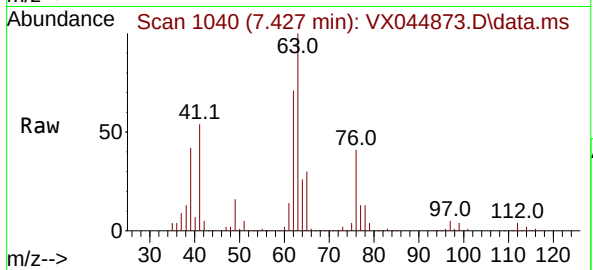
VSTDIC150

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

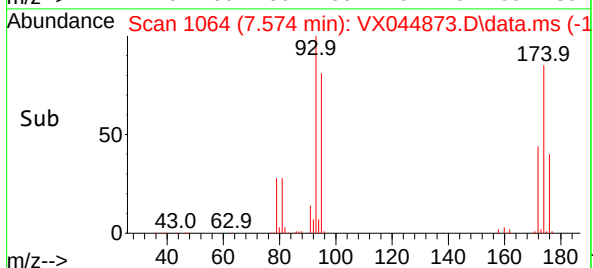
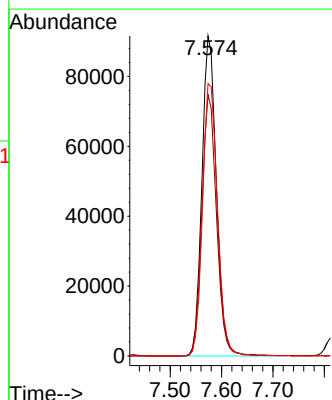
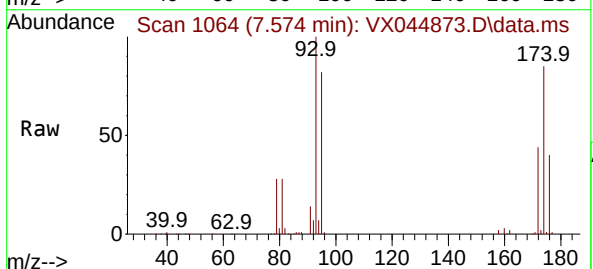
Tgt Ion: 93 Resp: 179689

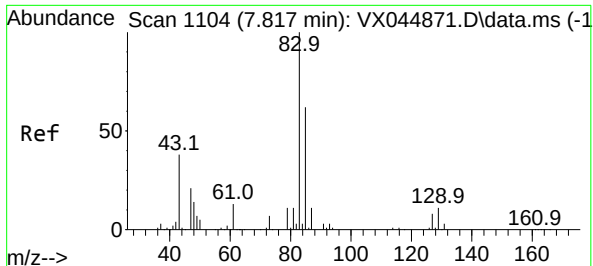
Ion Ratio Lower Upper

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

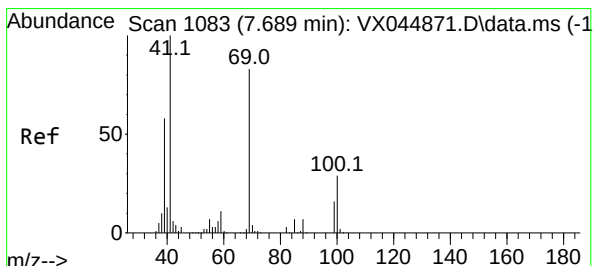
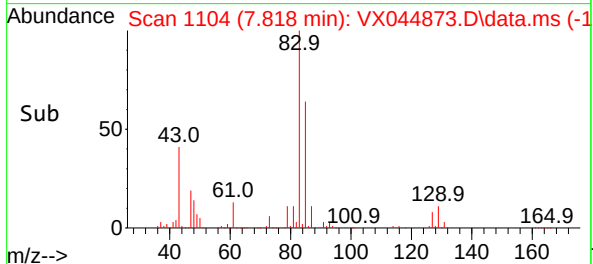
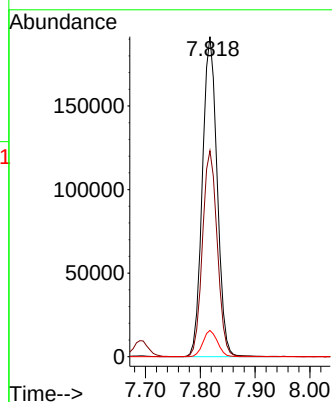
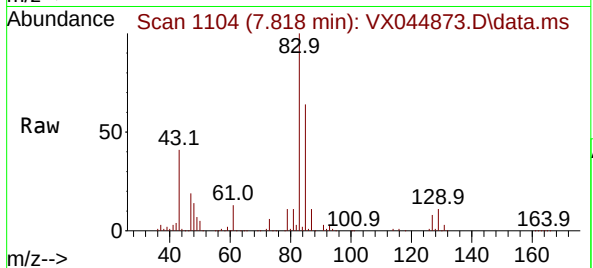
Tgt Ion: 83 Resp: 357623

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

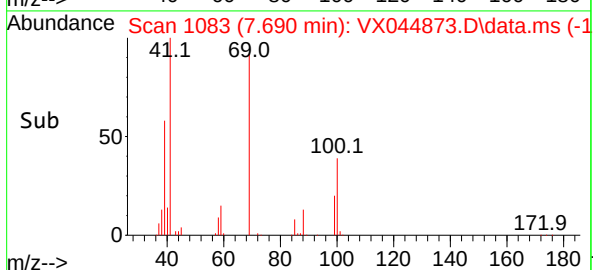
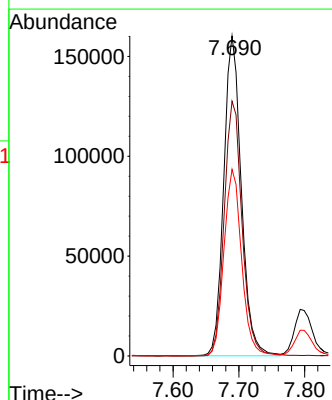
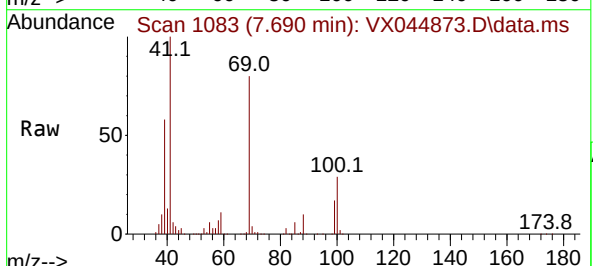
Tgt Ion: 41 Resp: 297931

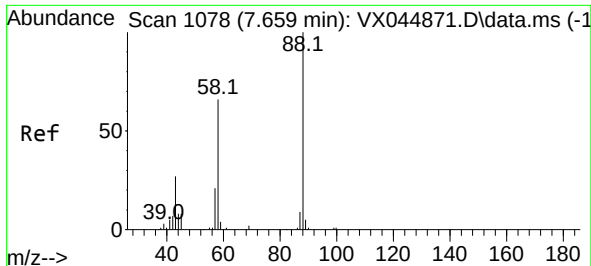
Ion Ratio Lower Upper

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

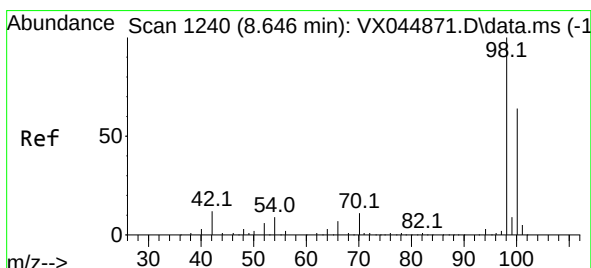
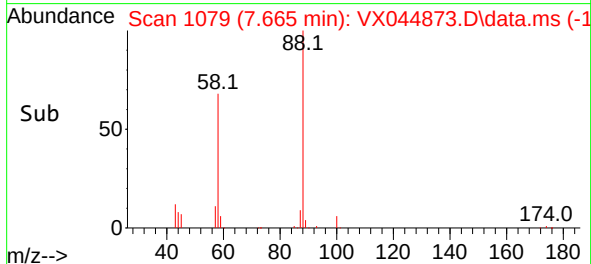
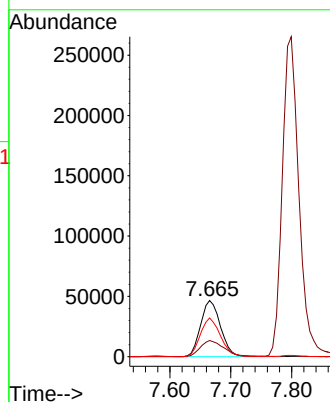
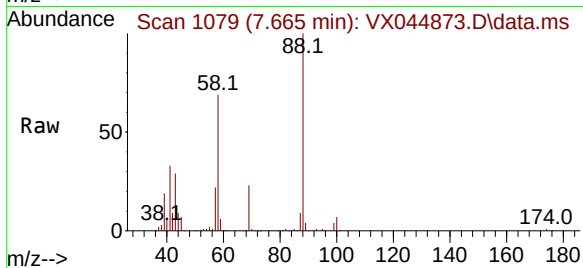
Tgt Ion: 88 Resp: 106175

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

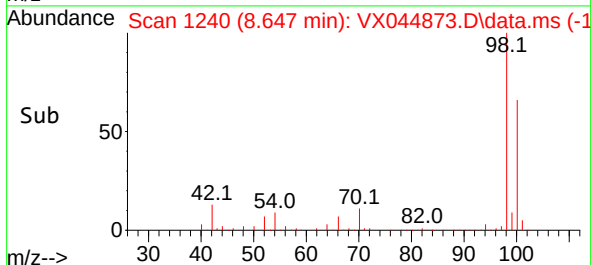
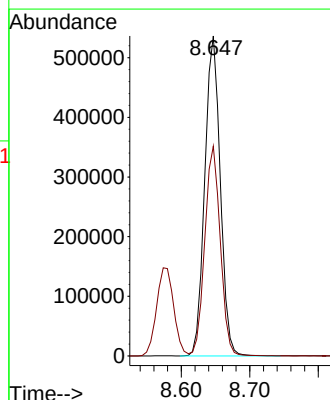
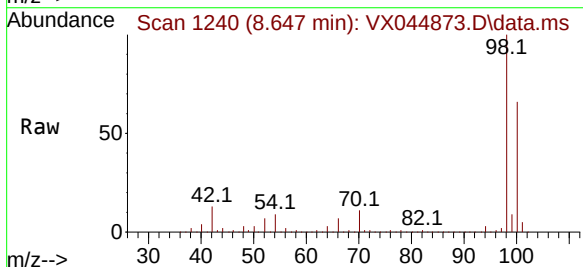
Acq: 10 Feb 2025 12:28

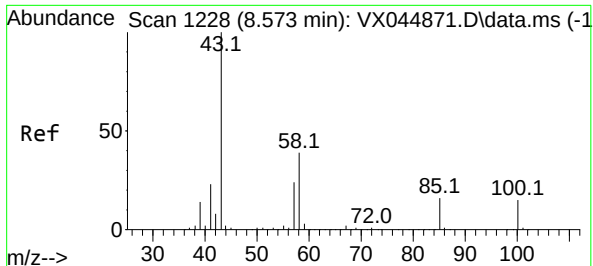
Tgt Ion: 98 Resp: 845632

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1

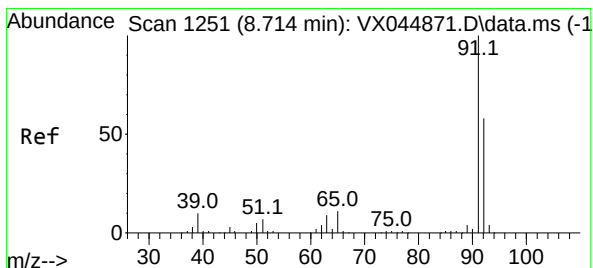
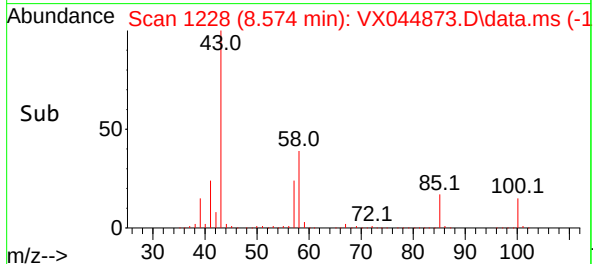
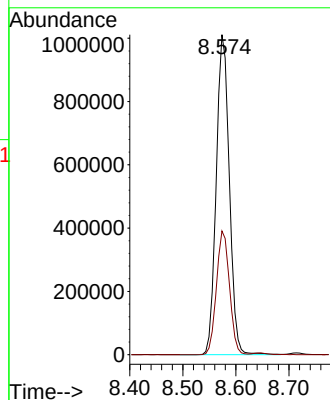
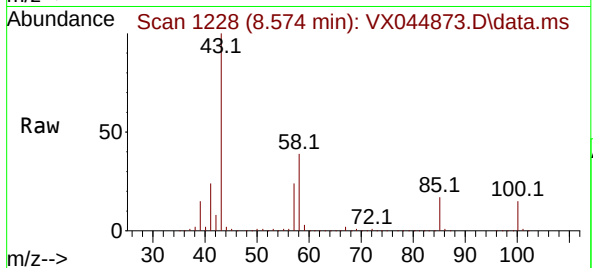




#51
4-Methyl-2-Pentanone
Concen: 728.887 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

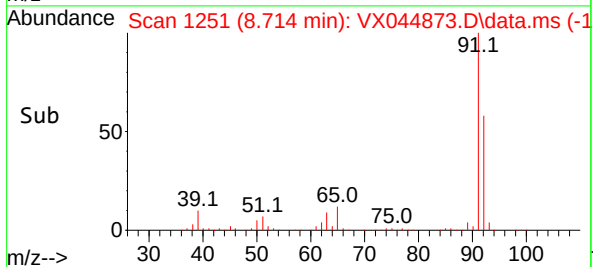
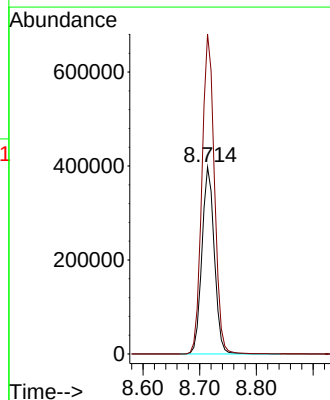
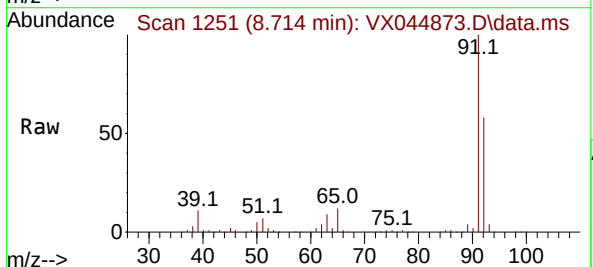
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

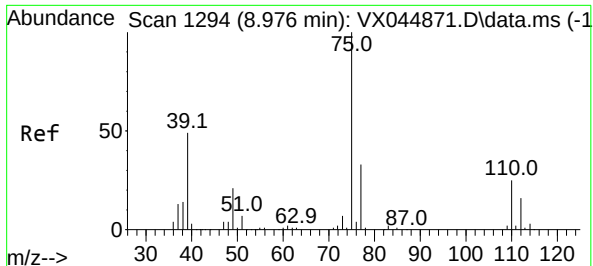
Tgt Ion: 43 Resp: 1736538
Ion Ratio Lower Upper
43 100
58 38.6 30.8 46.2



#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 :

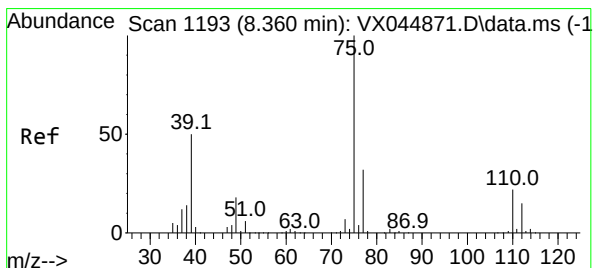
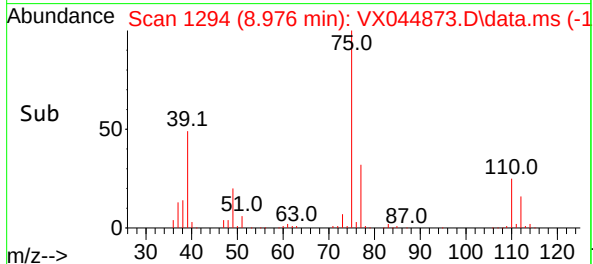
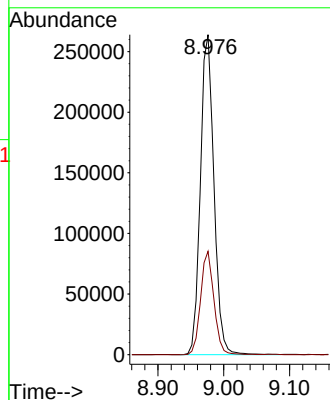
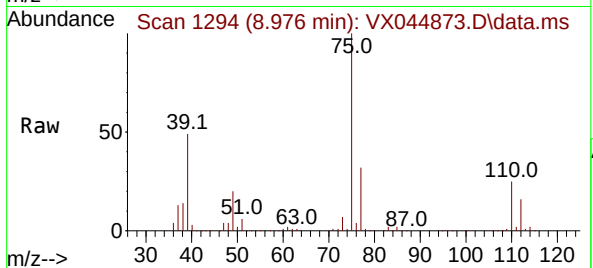
VSTDIC150

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

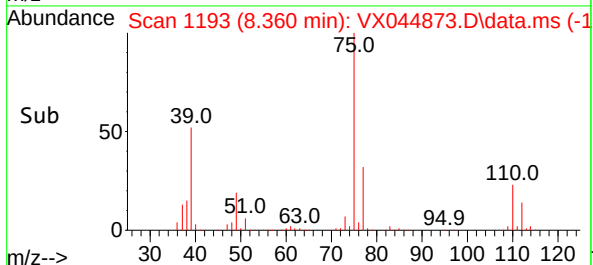
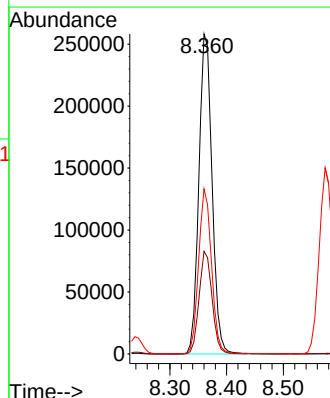
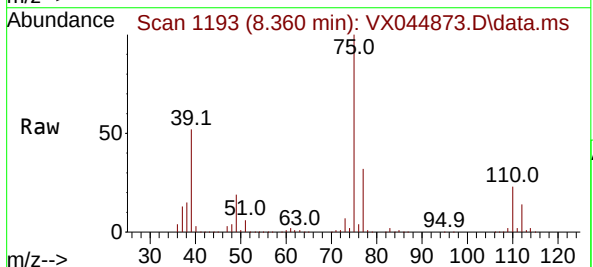
Tgt Ion: 75 Resp: 417724

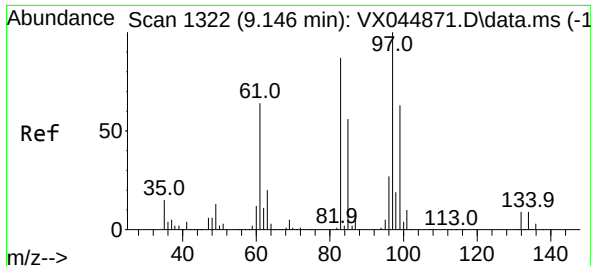
Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

39 51.5 40.0 60.0



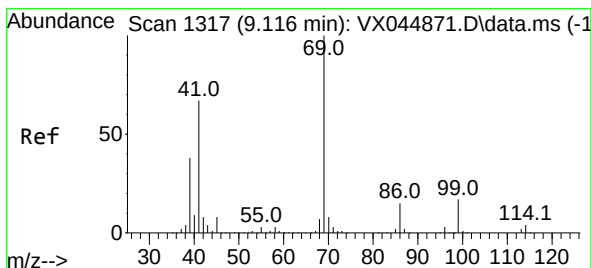
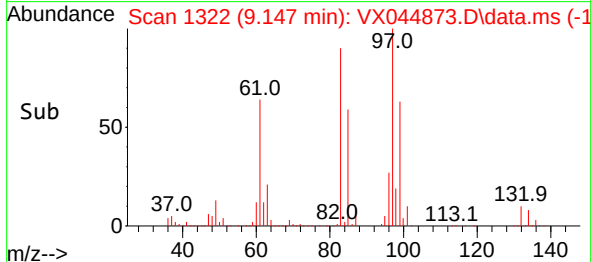
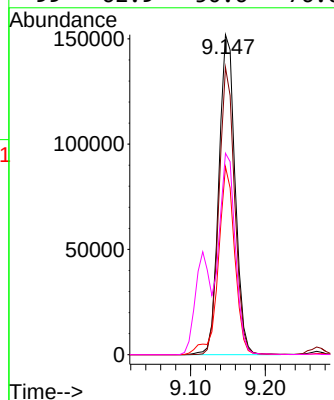
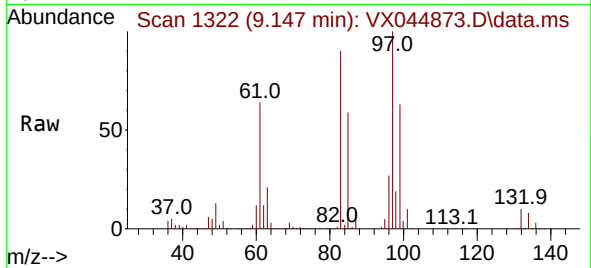


#55
1,1,2-Trichloroethane
Concen: 147.172 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 97 Resp: 229548

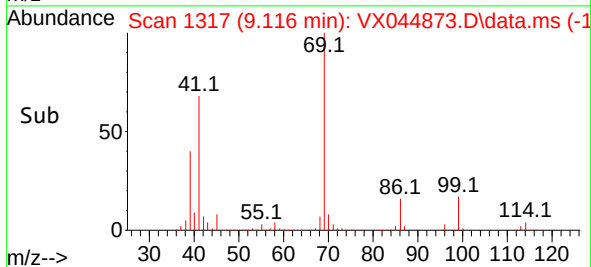
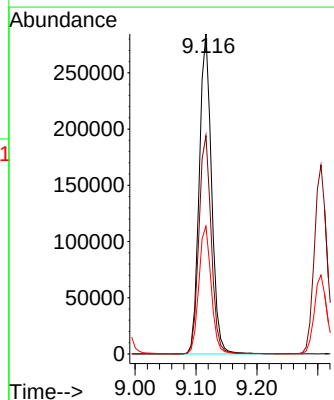
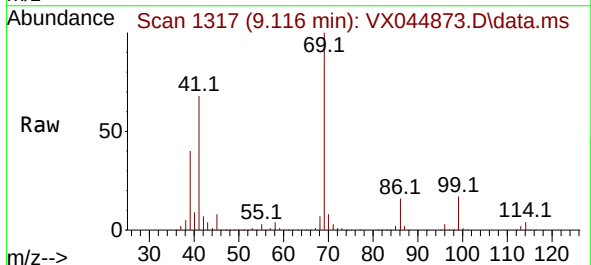
Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.8	104.6
85	58.7	44.8	67.2
99	62.9	50.6	76.0

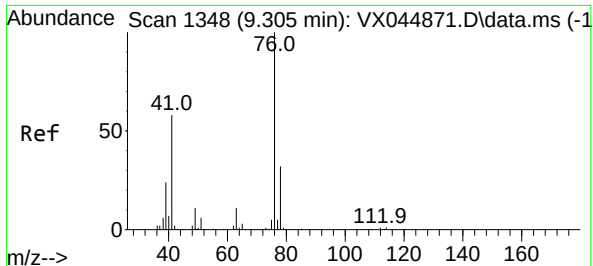


#56
Ethyl methacrylate
Concen: 158.205 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

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 :

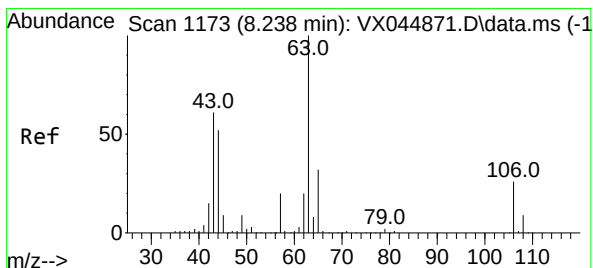
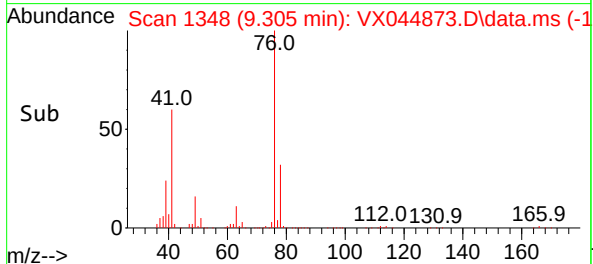
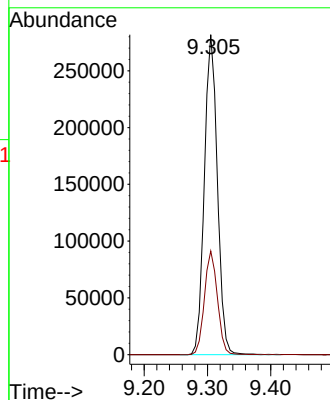
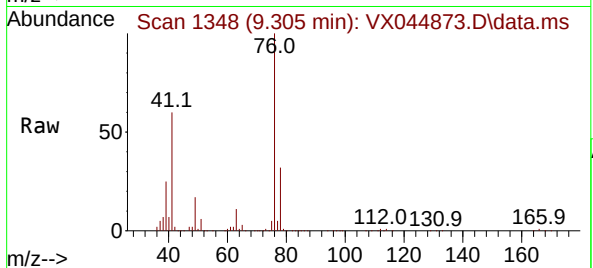
VSTDIC150

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

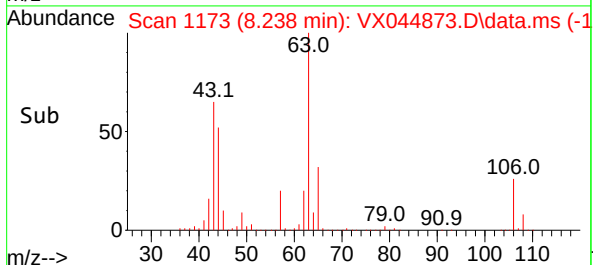
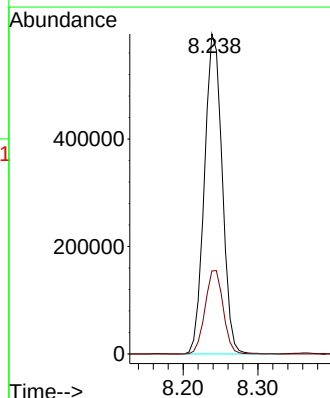
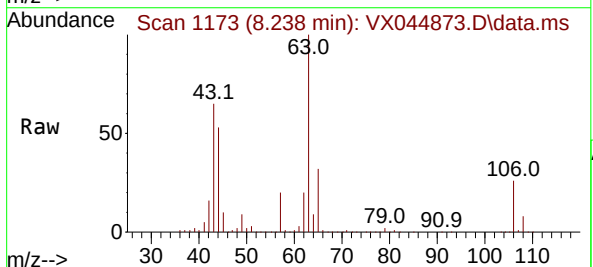
Acq: 10 Feb 2025 12:28

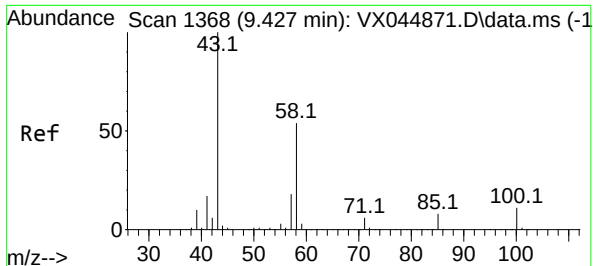
Tgt Ion: 63 Resp: 982120

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9

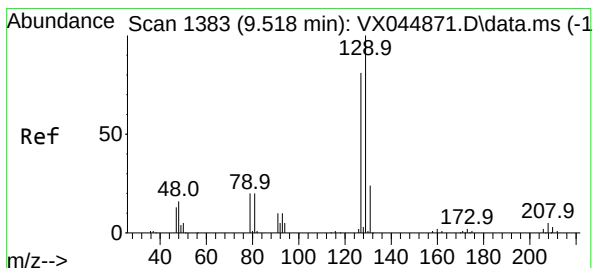
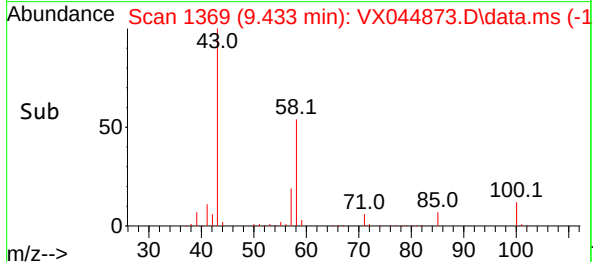
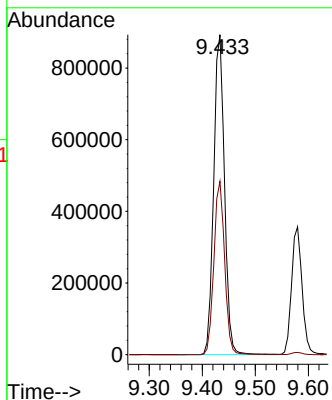
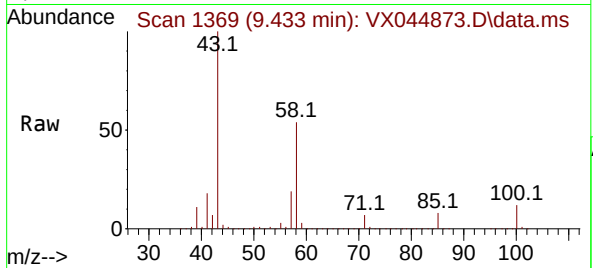




#59
2-Hexanone
Concen: 736.622 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

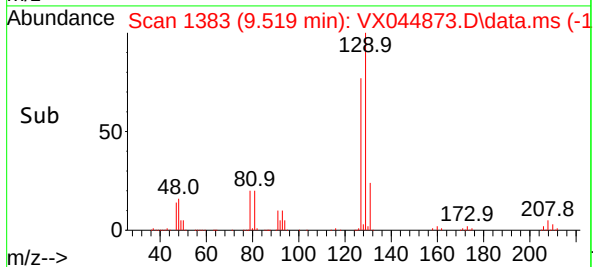
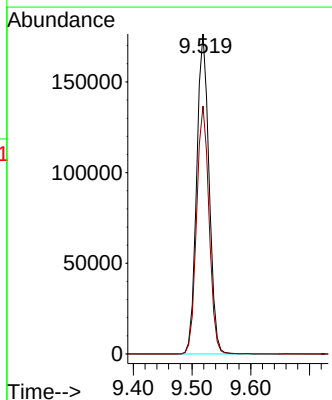
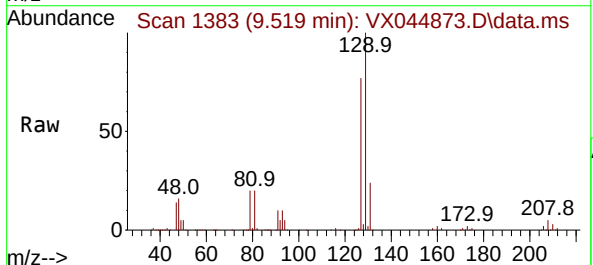
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

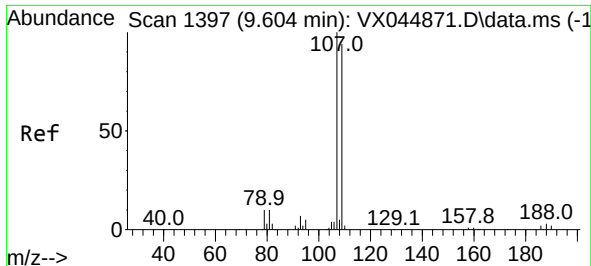
Tgt Ion: 43 Resp: 1264470
Ion Ratio Lower Upper
43 100
58 54.1 27.5 82.4



#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

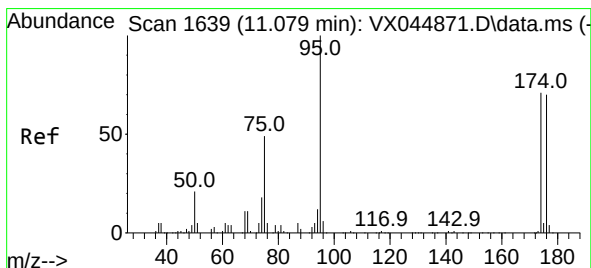
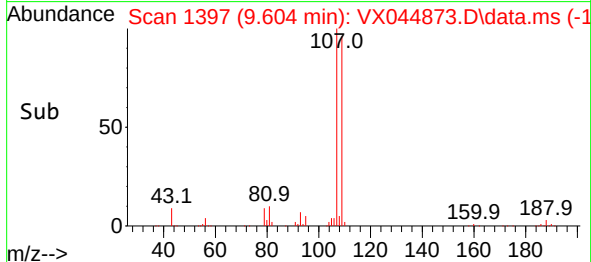
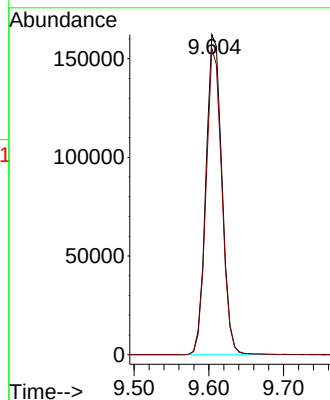
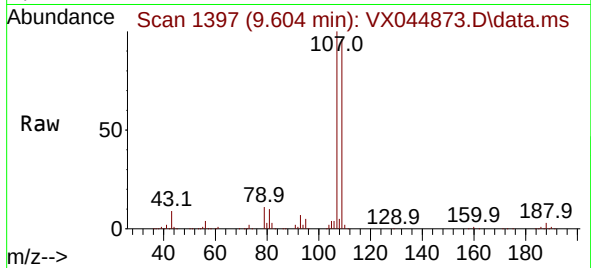




#61
1,2-Dibromoethane
Concen: 152.157 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

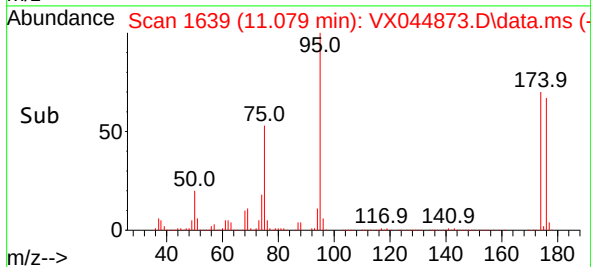
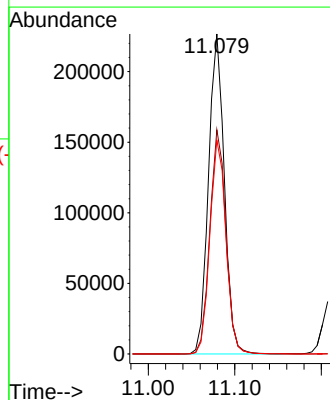
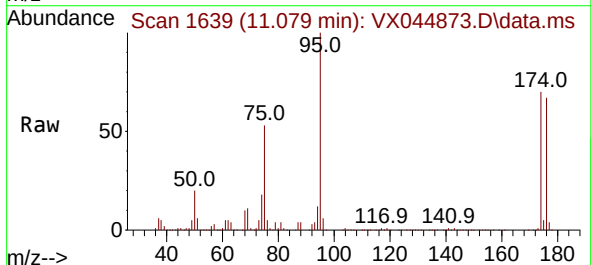
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

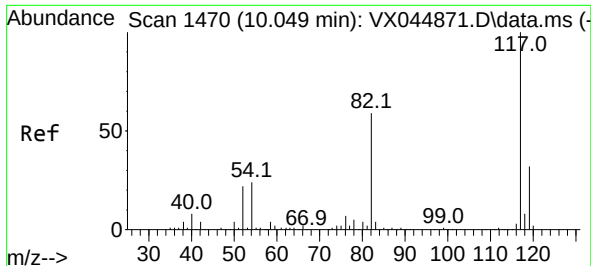
Tgt Ion:107 Resp: 240539
Ion Ratio Lower Upper
107 100
109 94.3 75.9 113.9



#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

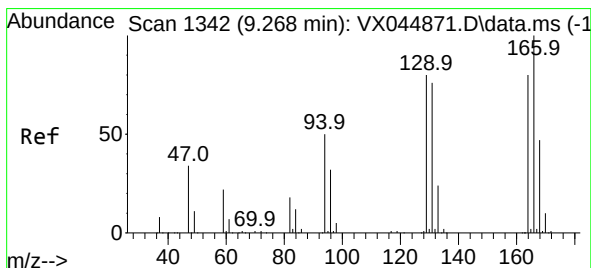
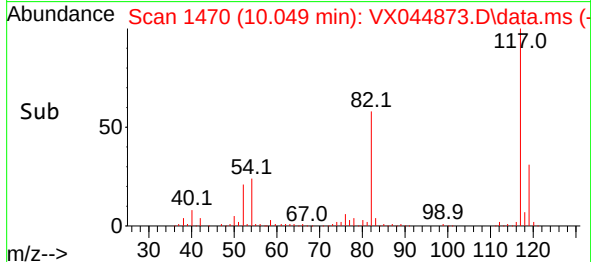
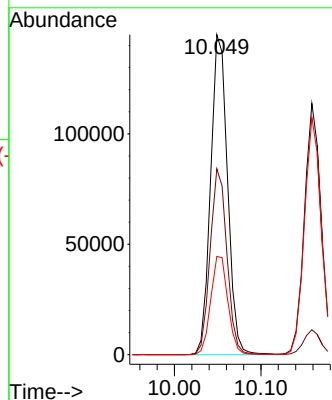
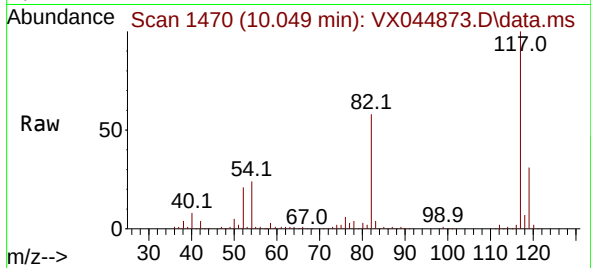




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

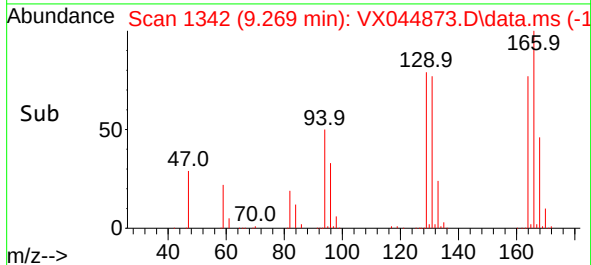
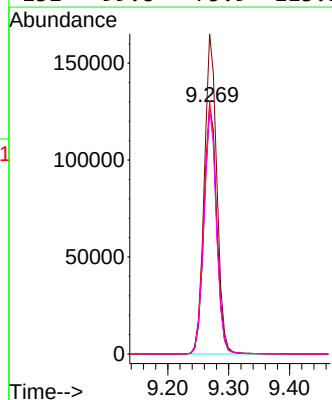
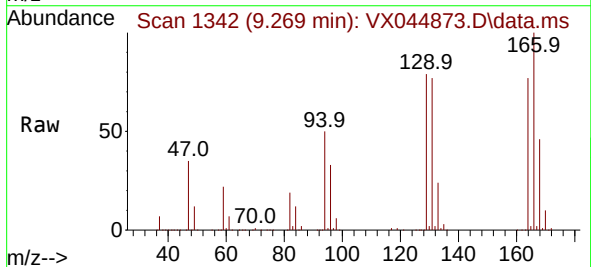
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

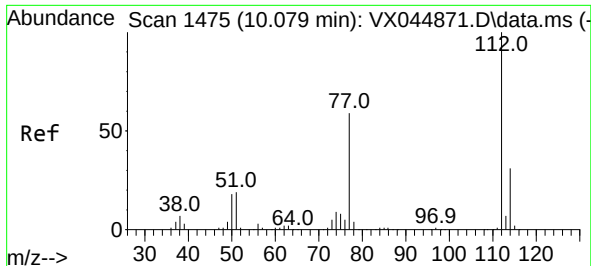
Tgt Ion:117 Resp: 196663
Ion Ratio Lower Upper
117 100
82 58.1 47.5 71.3
119 30.7 25.4 38.0



#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

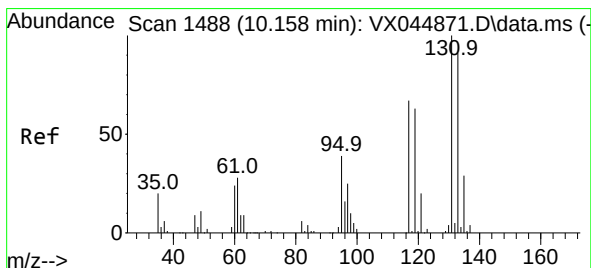
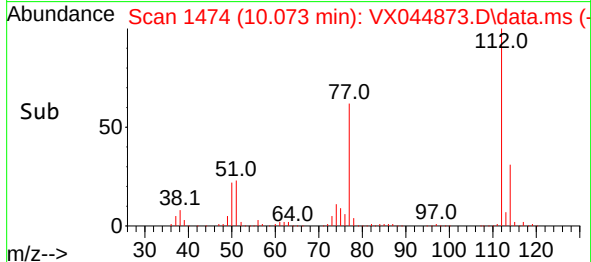
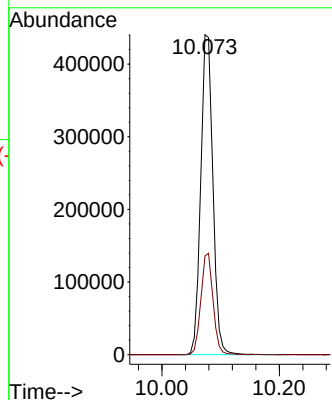
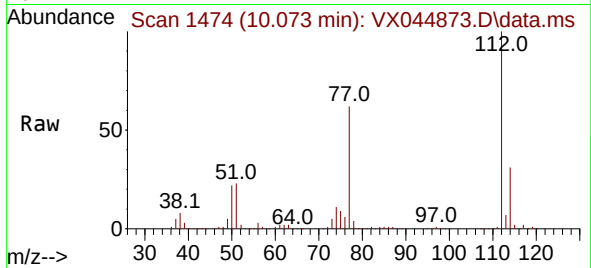




#65
Chlorobenzene
Concen: 150.224 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

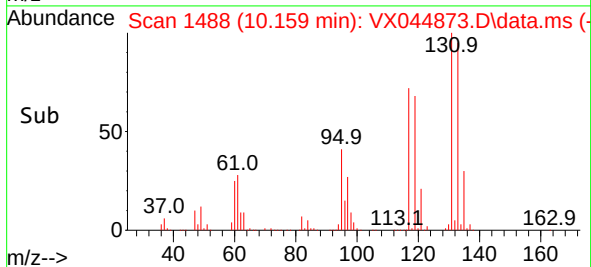
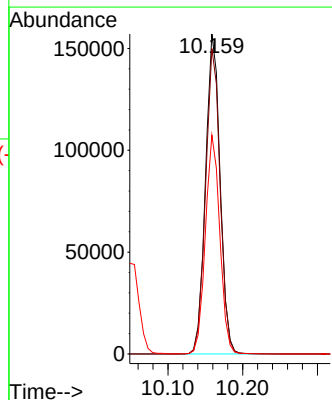
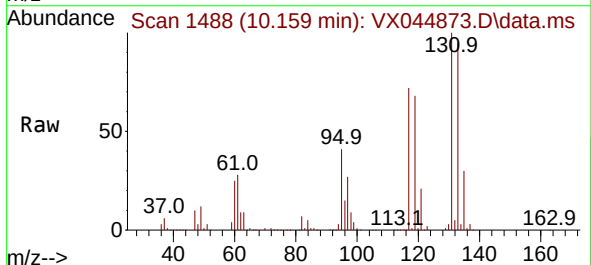
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

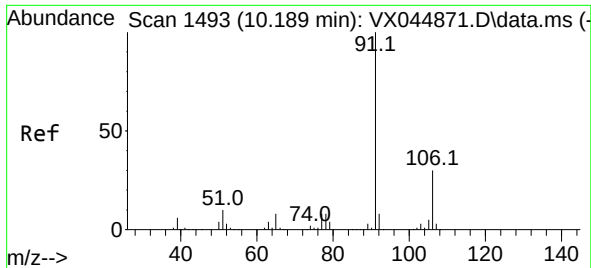
Tgt Ion:112 Resp: 634550
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.6



#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

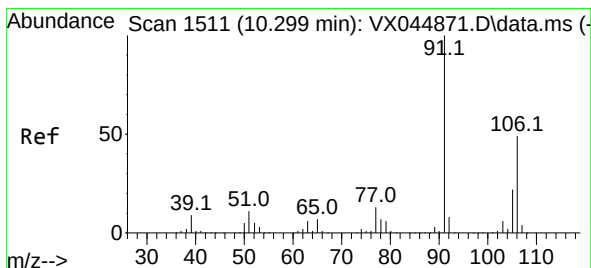
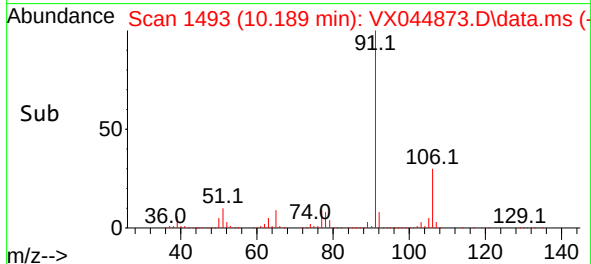
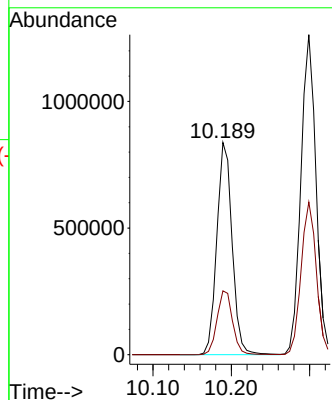
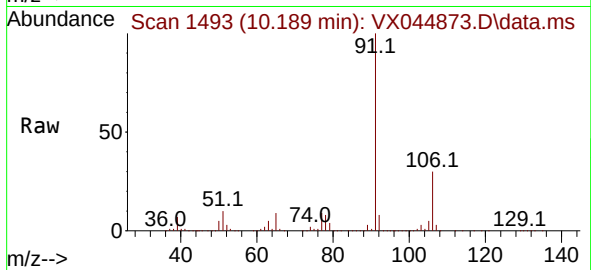




#67
Ethyl Benzene
Concen: 152.647 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

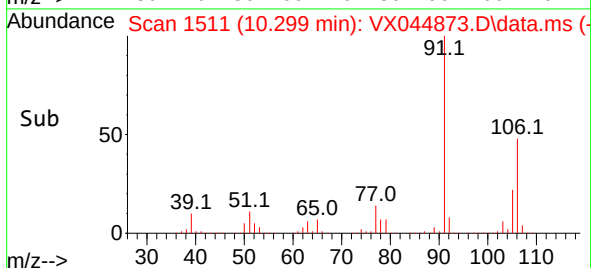
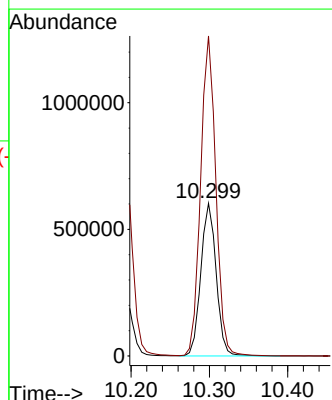
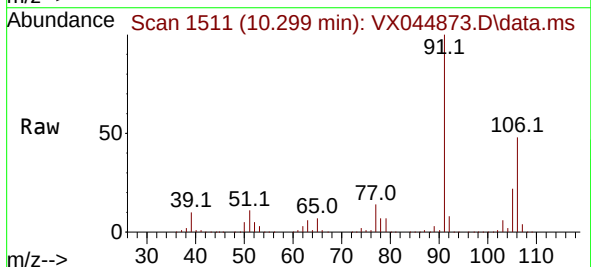
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

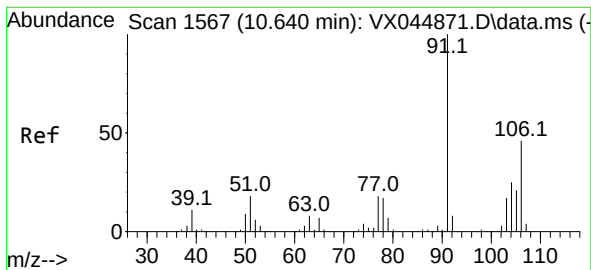
Tgt Ion: 91 Resp: 1137842
Ion Ratio Lower Upper
91 100
106 30.1 23.9 35.9



#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 :

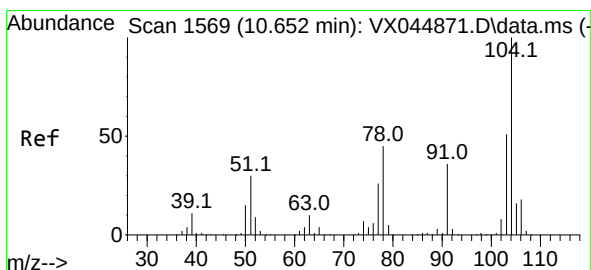
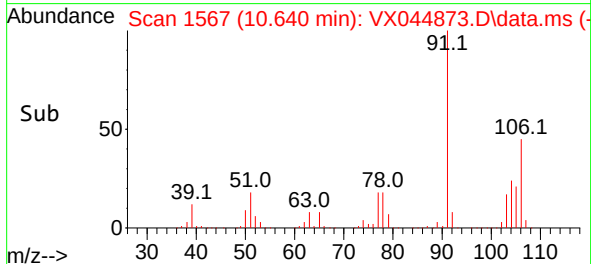
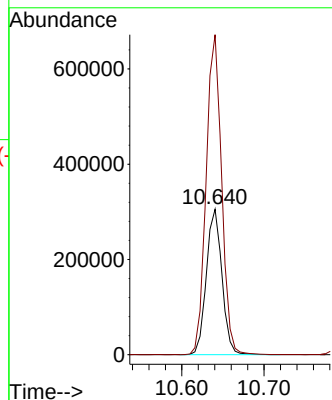
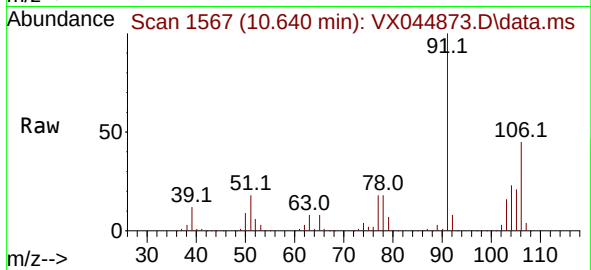
VSTDIC150

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

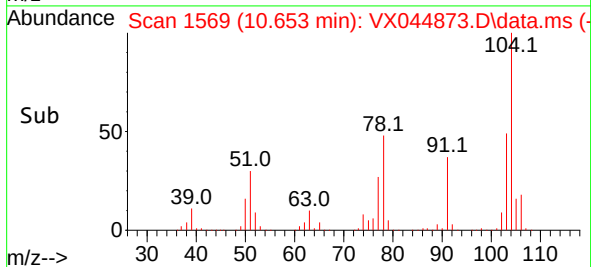
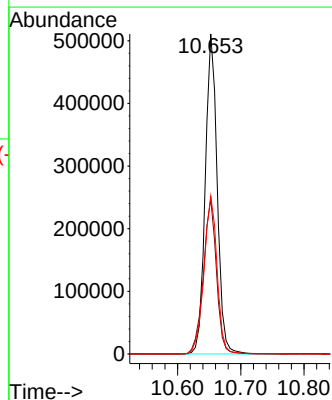
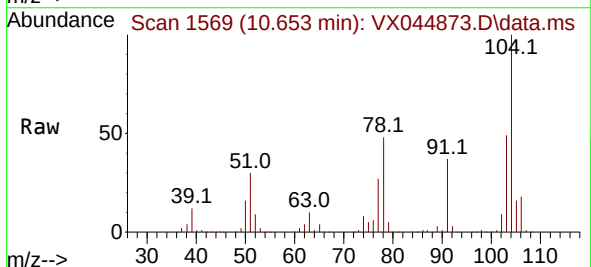
Tgt Ion:104 Resp: 671843

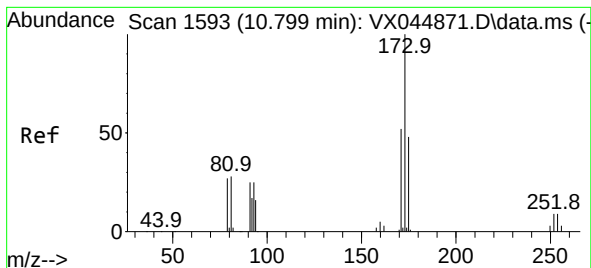
Ion Ratio Lower Upper

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# 1593

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

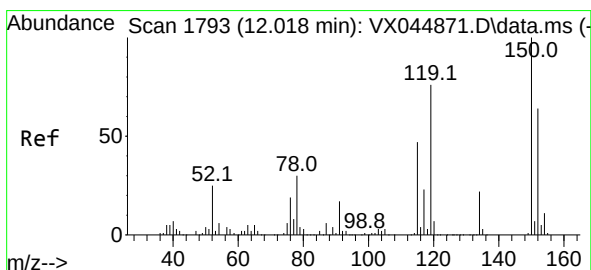
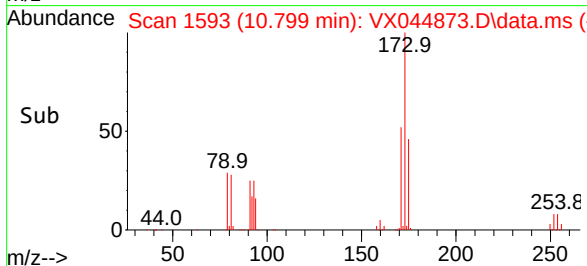
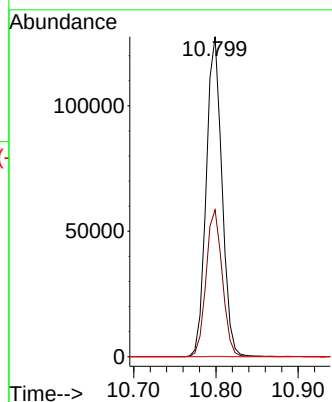
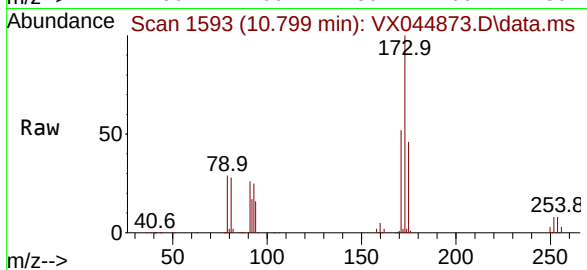
Tgt Ion:173 Resp: 169481

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

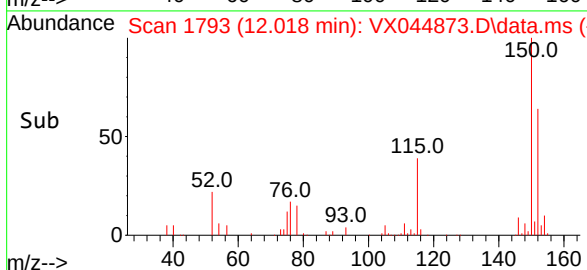
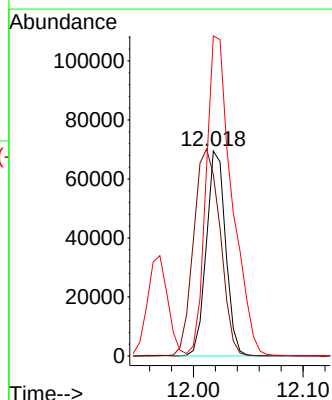
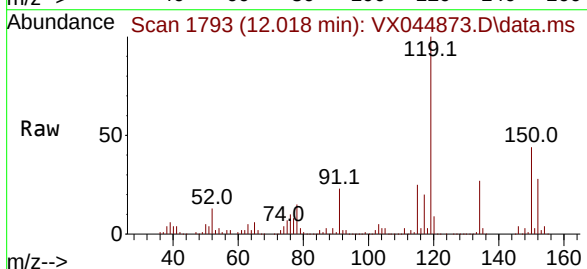
Tgt Ion:152 Resp: 84836

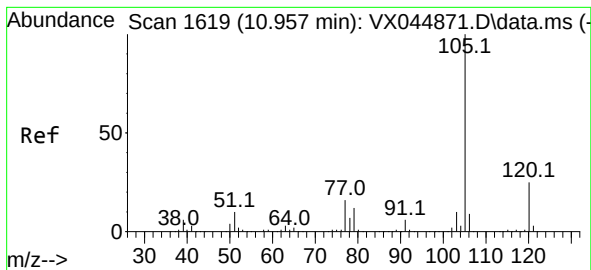
Ion Ratio Lower Upper

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 :

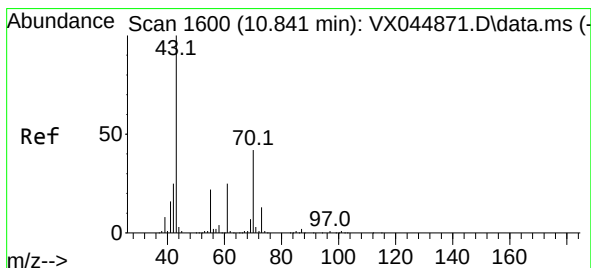
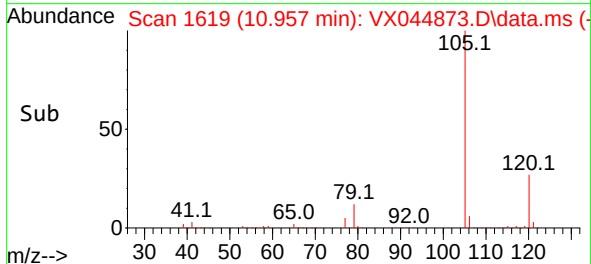
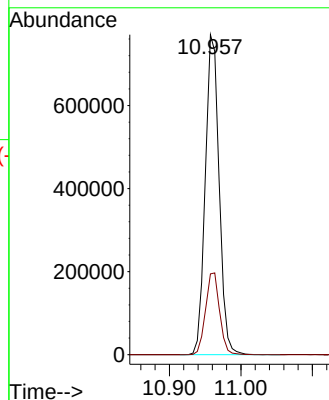
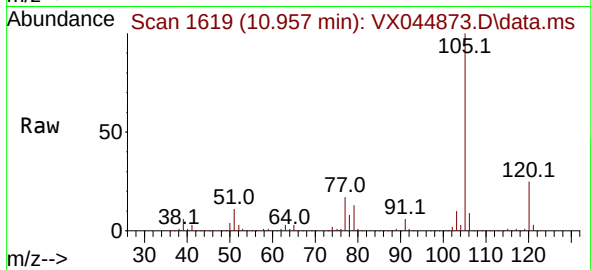
VSTDIC150

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

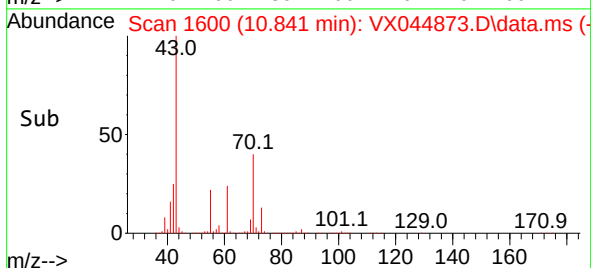
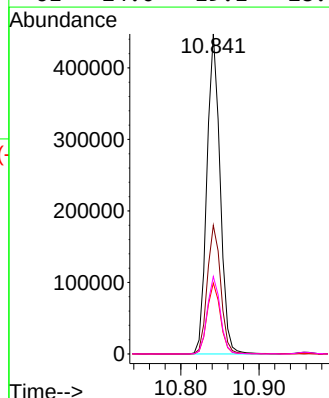
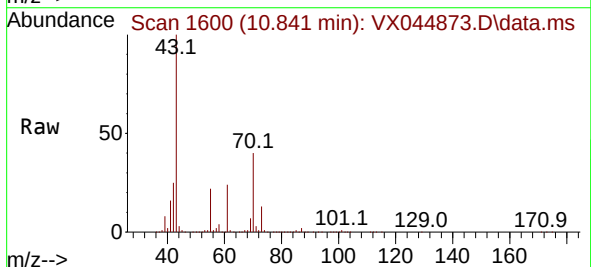
Ion Ratio Lower Upper

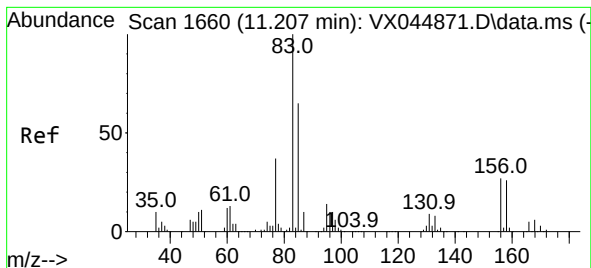
43 100

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# 1

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

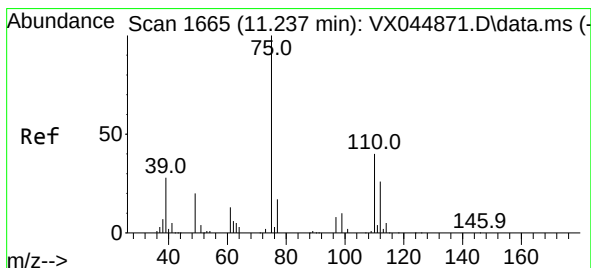
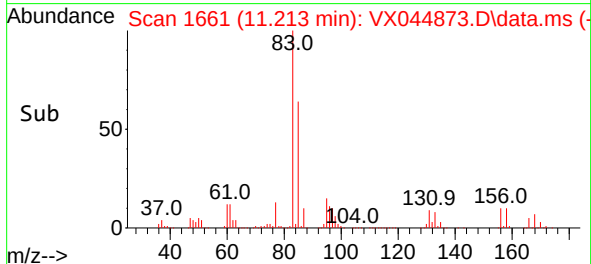
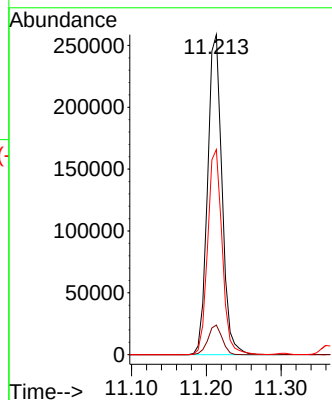
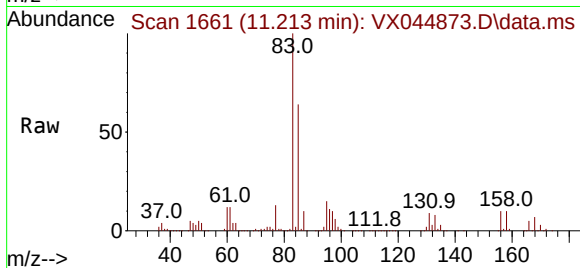
Tgt Ion: 83 Resp: 346013

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

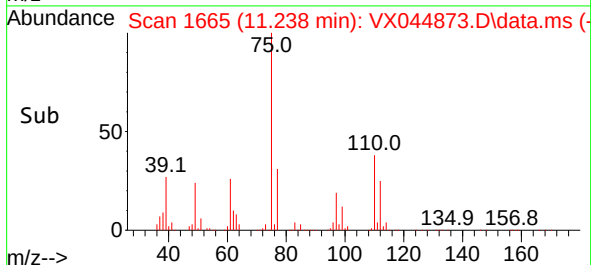
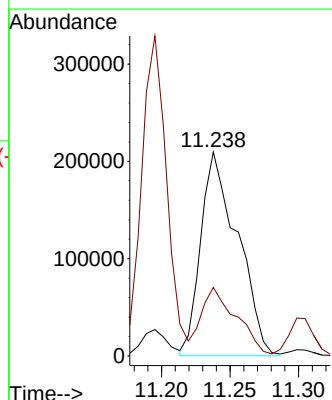
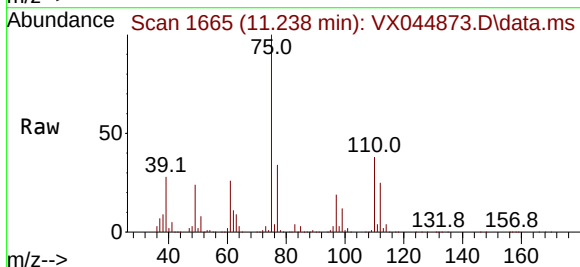
Acq: 10 Feb 2025 12:28

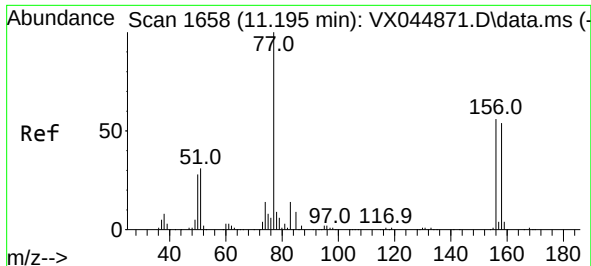
Tgt Ion: 75 Resp: 392008

Ion Ratio Lower Upper

75 100

77 32.2 21.9 65.7

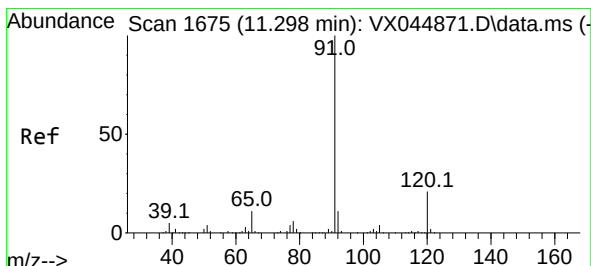
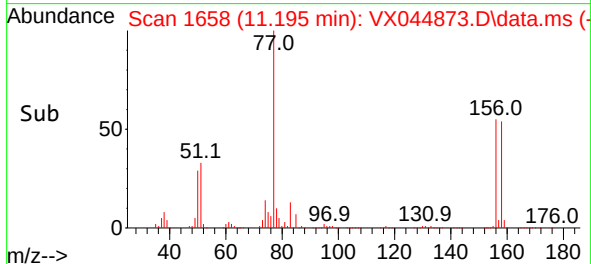
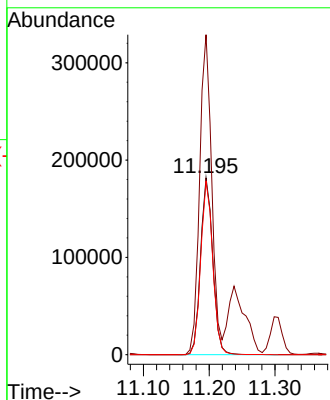
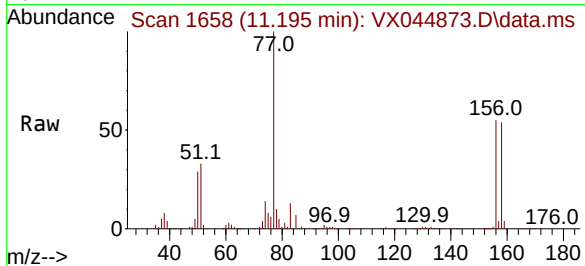




#77
Bromobenzene
Concen: 151.715 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

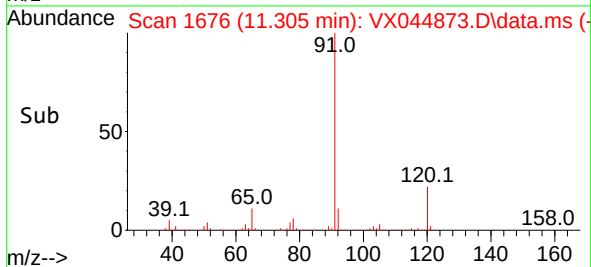
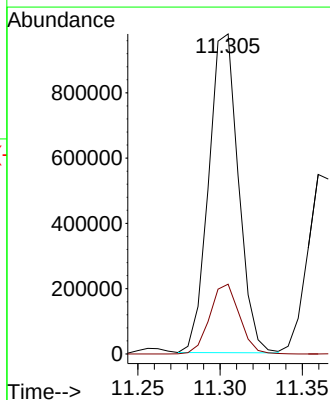
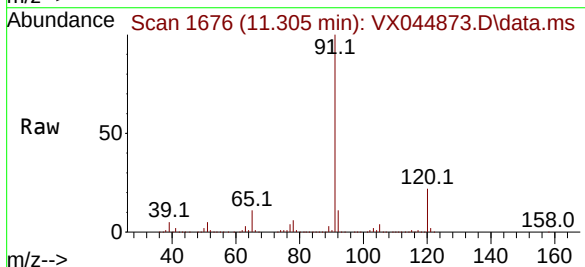
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

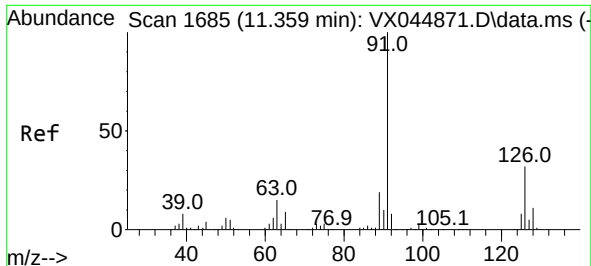
Tgt Ion:156 Resp: 234957
Ion Ratio Lower Upper
156 100
77 179.2 88.4 265.3
158 97.1 48.4 145.2



#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

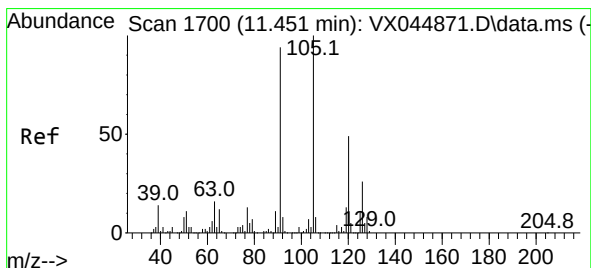
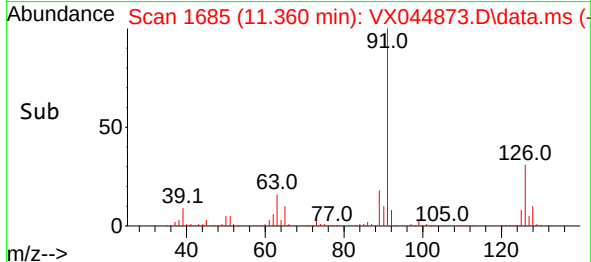
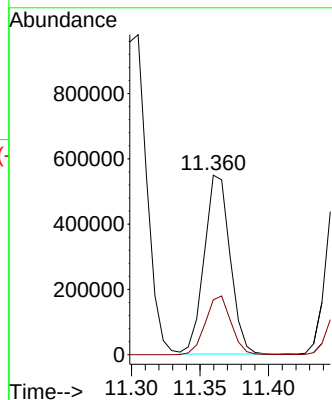
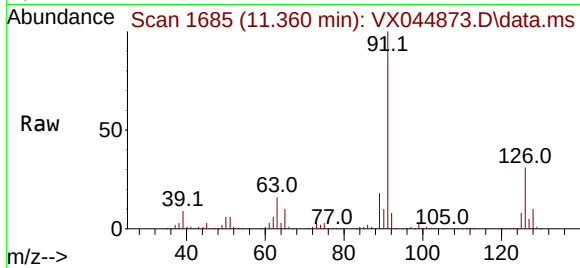




#79
2-Chlorotoluene
Concen: 148.123 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

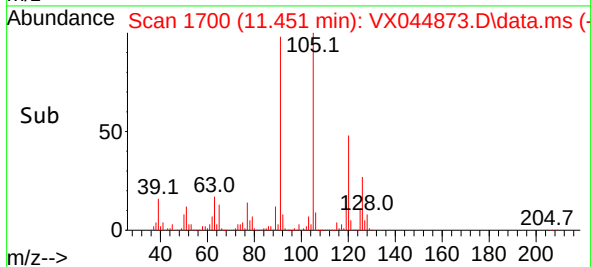
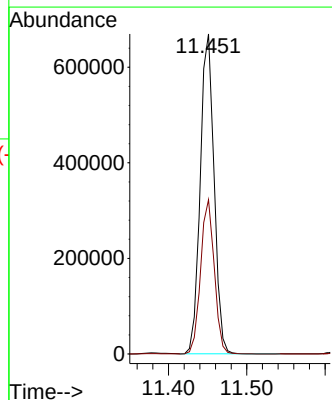
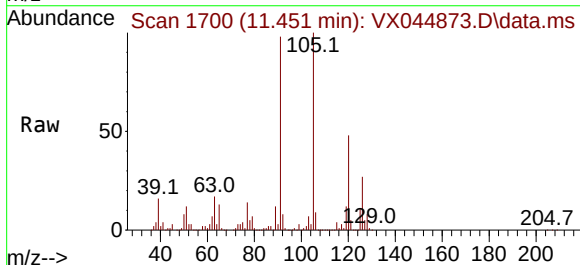
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

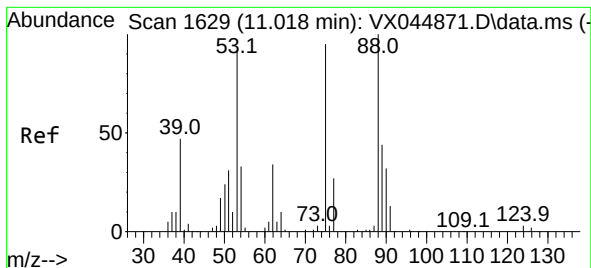
Tgt Ion: 91 Resp: 717766
Ion Ratio Lower Upper
91 100
126 32.5 16.2 48.6



#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

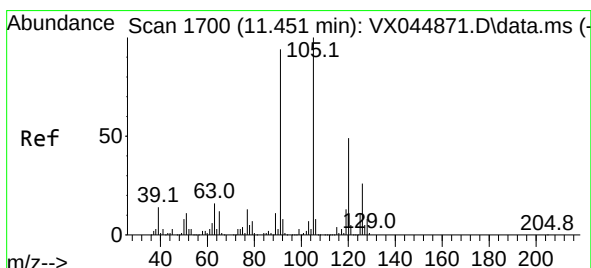
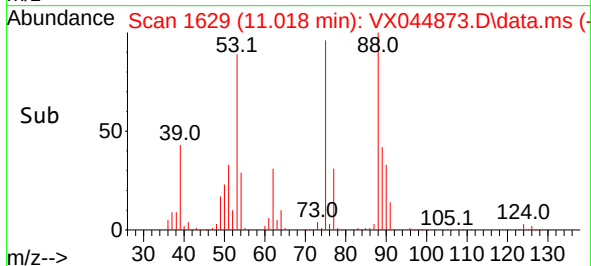
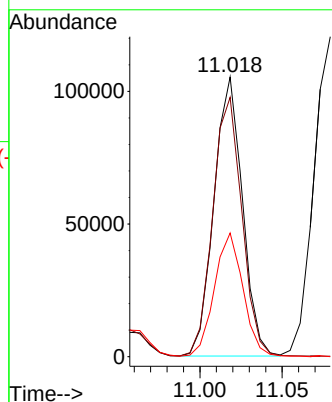
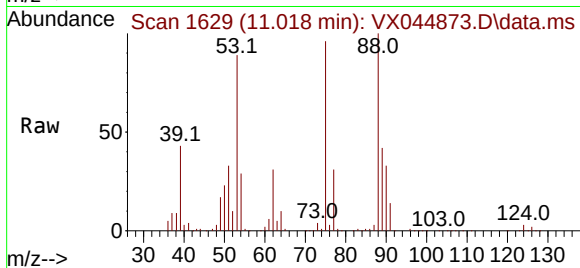




#81
 trans-1,4-Dichloro-2-butene
 Concen: 173.221 ug/l
 RT: 11.018 min Scan# 1629
 Delta R.T. 0.000 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

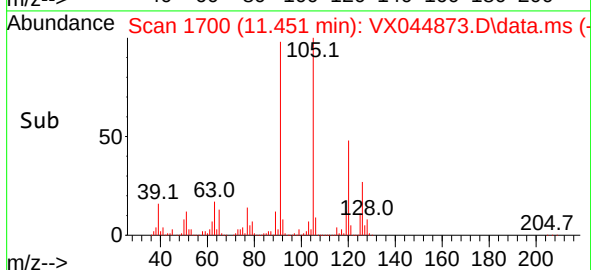
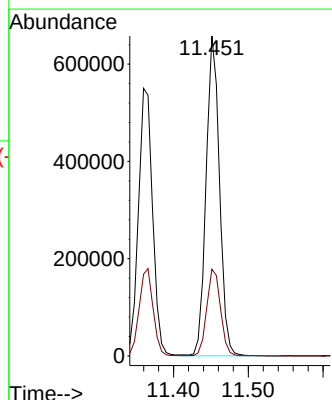
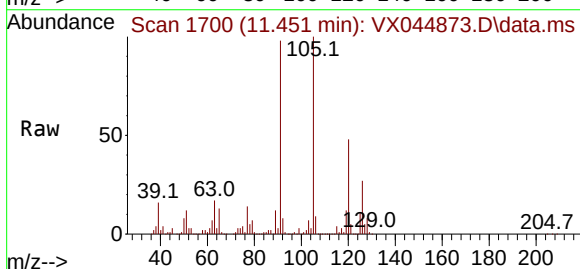
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

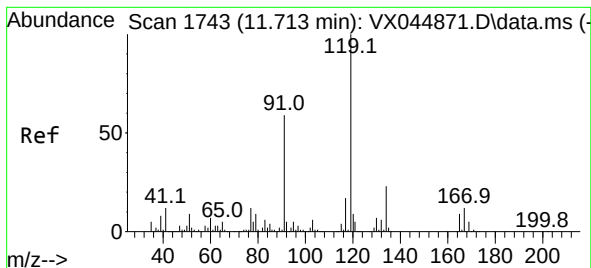
Tgt Ion: 75 Resp: 126660
 Ion Ratio Lower Upper
 75 100
 53 95.2 78.0 117.0
 89 44.7 36.6 54.8



#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

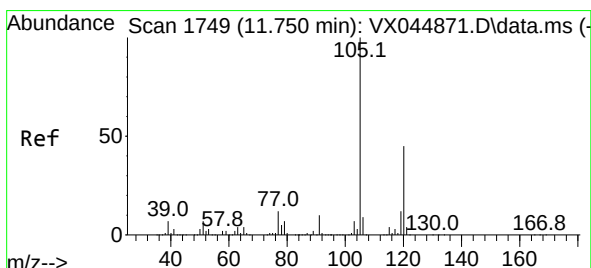
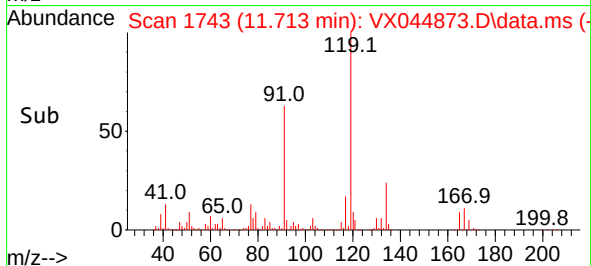
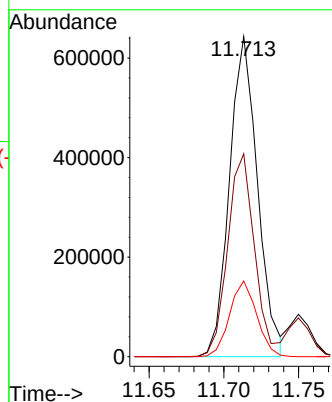
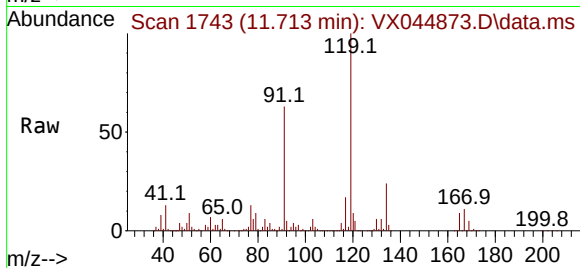




#83
tert-Butylbenzene
Concen: 149.610 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

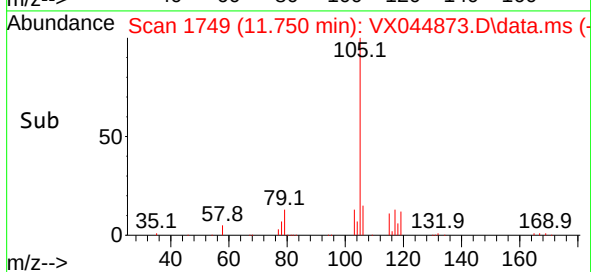
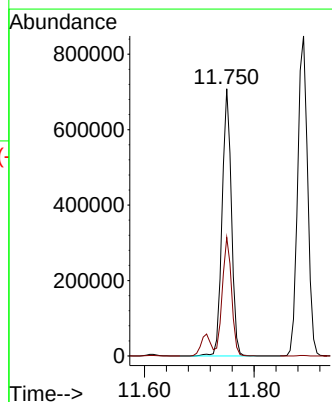
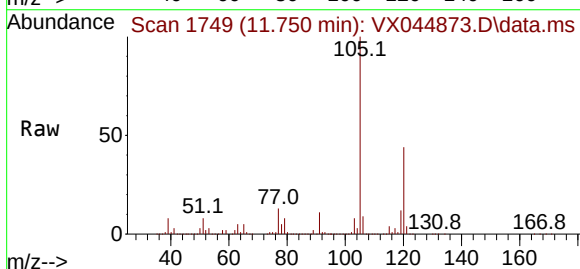
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

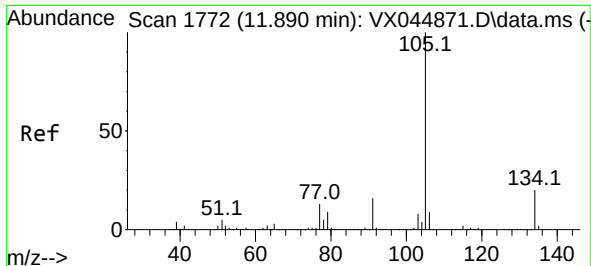
Tgt Ion:119 Resp: 838979
Ion Ratio Lower Upper
119 100
91 61.1 29.1 87.4
134 22.9 11.5 34.5



#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

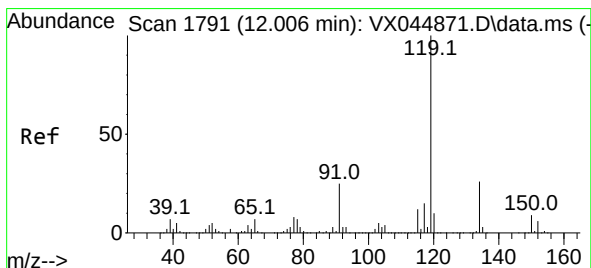
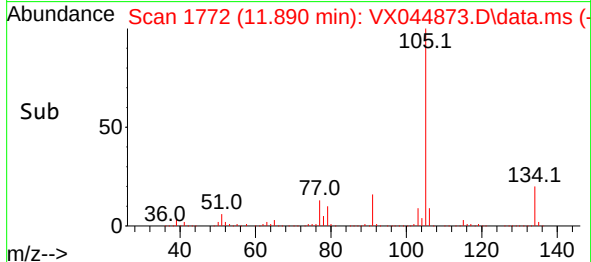
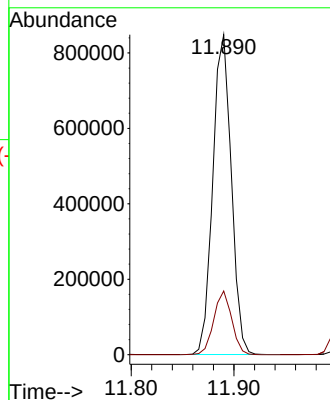
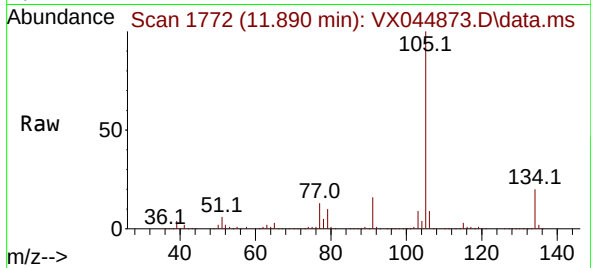




#85
 sec-Butylbenzene
 Concen: 152.806 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

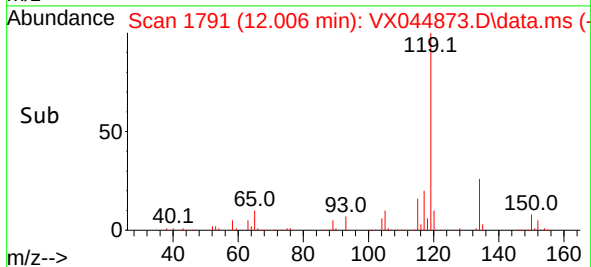
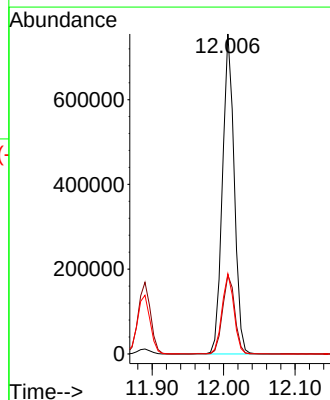
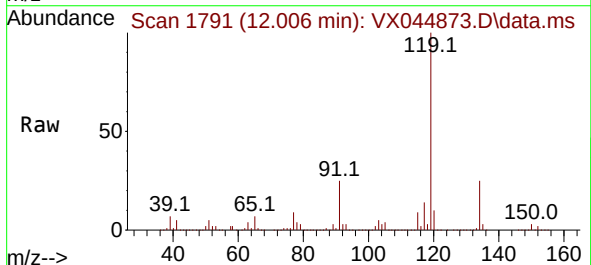
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

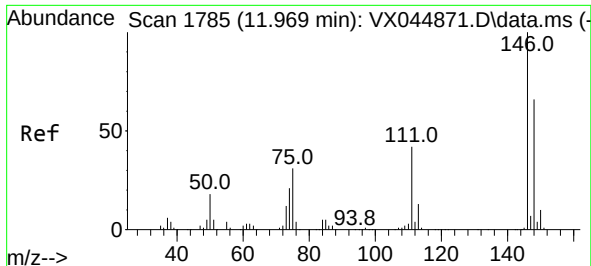
Tgt Ion:105 Resp: 1061101
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.3



#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

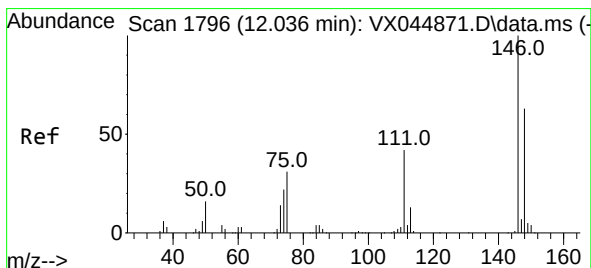
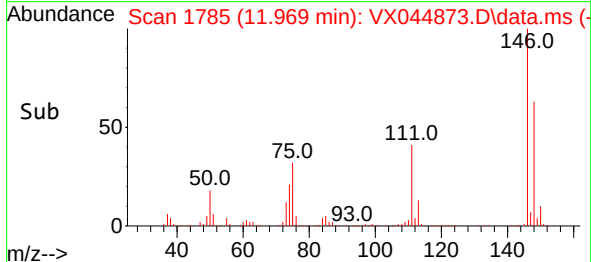
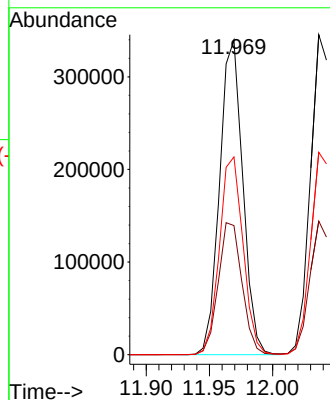
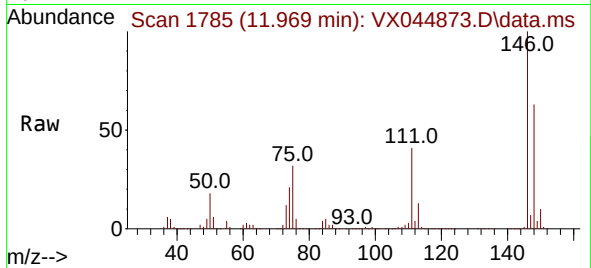




#87
1,3-Dichlorobenzene
Concen: 152.175 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

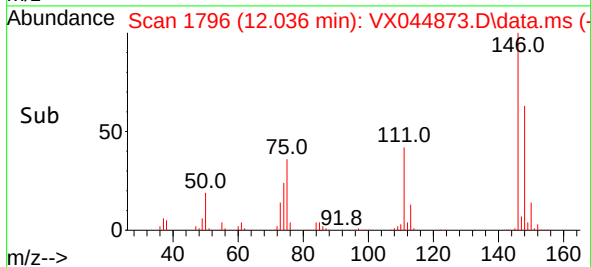
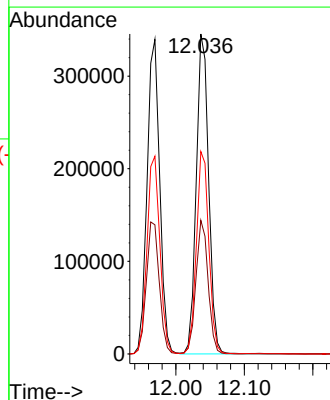
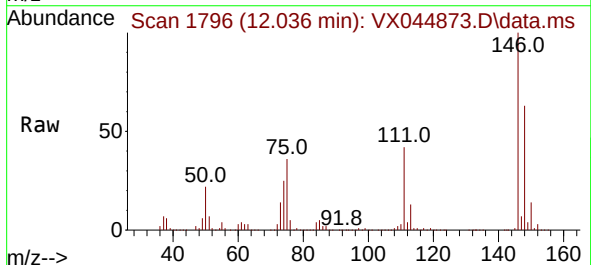
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

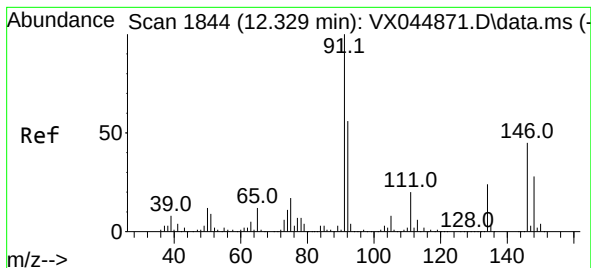
Tgt Ion:146 Resp: 433384
Ion Ratio Lower Upper
146 100
111 43.0 21.2 63.6
148 63.9 32.5 97.5



#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 :

VSTDIC150

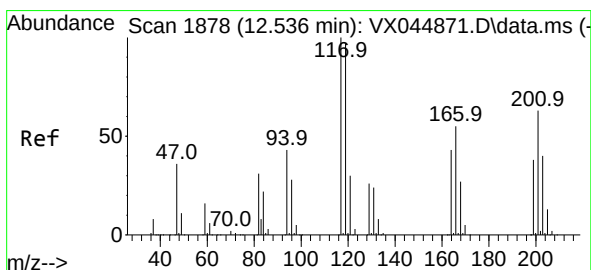
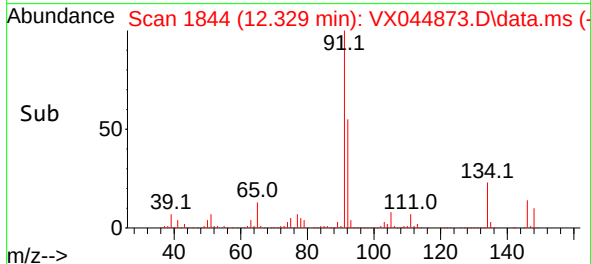
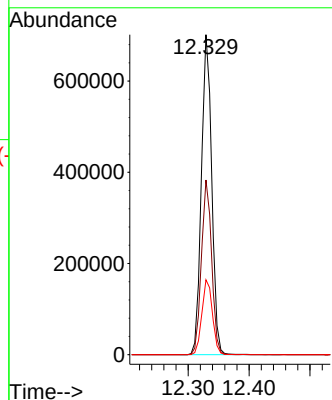
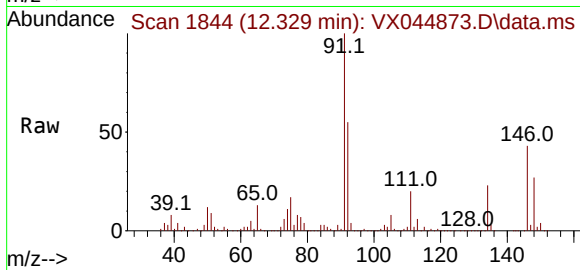
Tgt Ion: 91 Resp: 827359

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

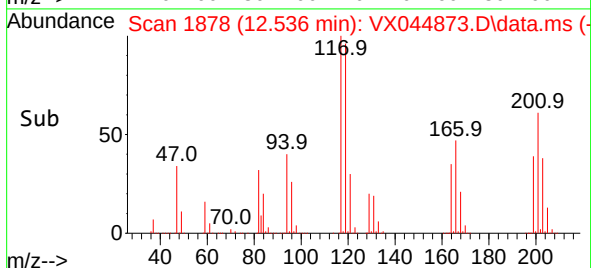
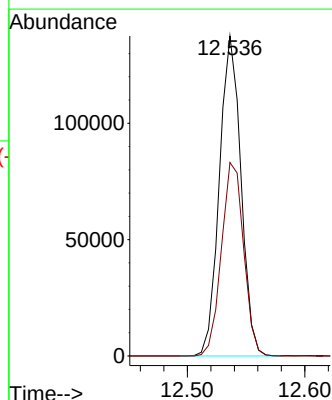
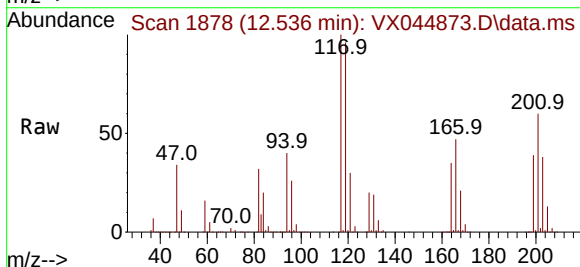
Acq: 10 Feb 2025 12:28

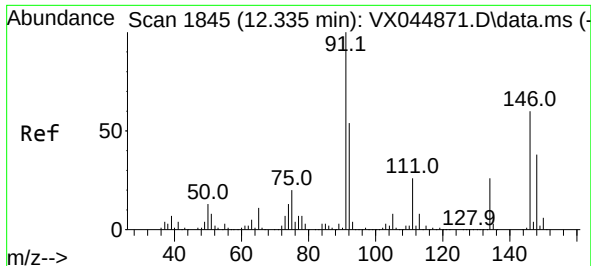
Tgt Ion: 117 Resp: 175414

Ion Ratio Lower Upper

117 100

201 62.4 32.5 97.5

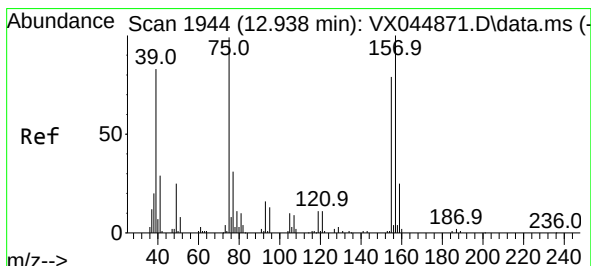
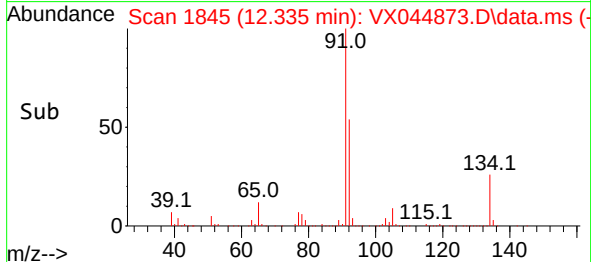
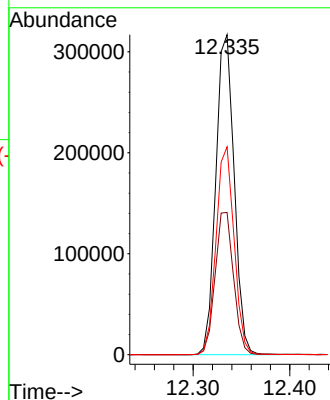
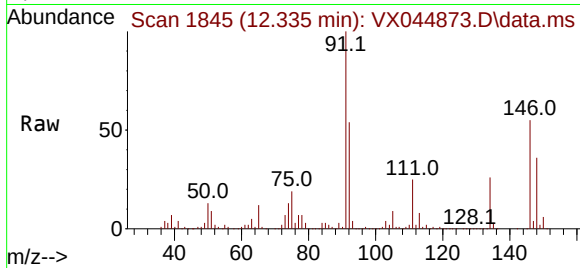




#91
 1,2-Dichlorobenzene
 Concen: 149.042 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

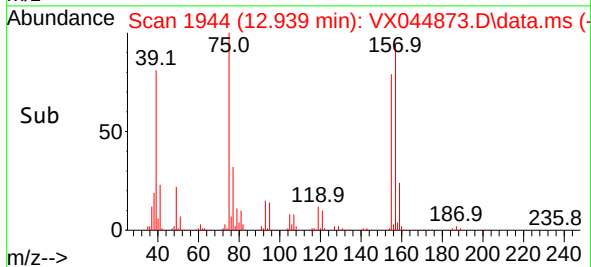
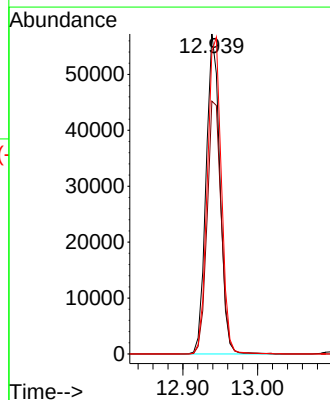
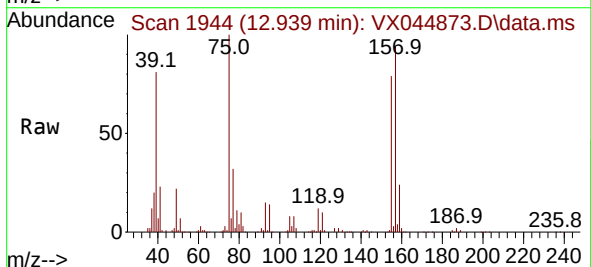
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

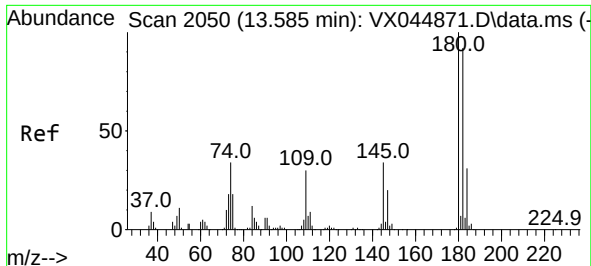
Tgt Ion:146 Resp: 417167
 Ion Ratio Lower Upper
 146 100
 111 44.9 21.8 65.4
 148 64.1 31.9 95.9



#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

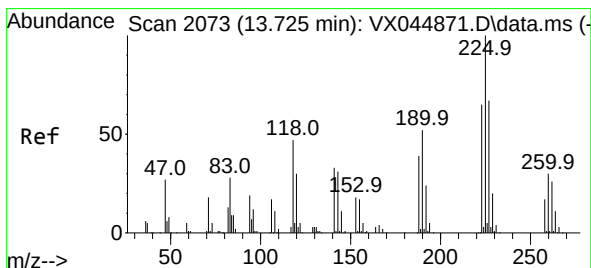
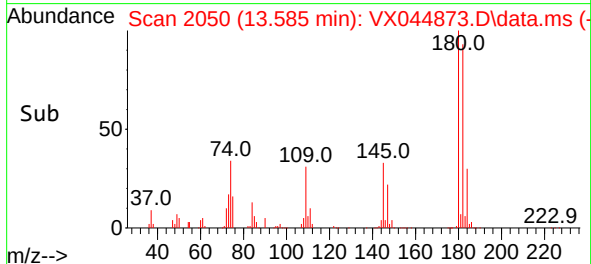
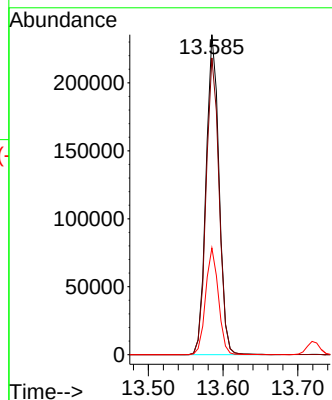
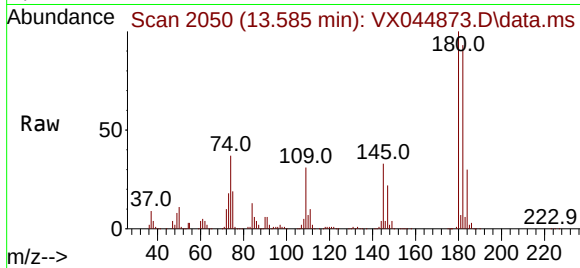




#93
1,2,4-Trichlorobenzene
Concen: 167.095 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

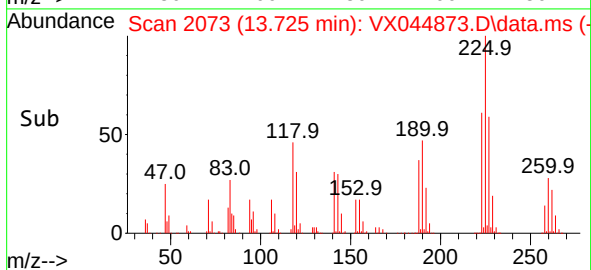
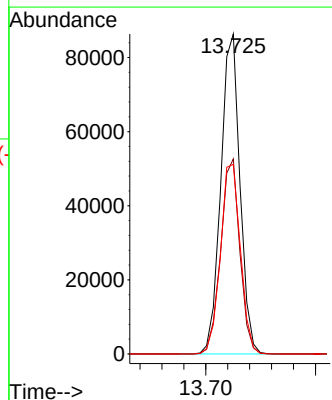
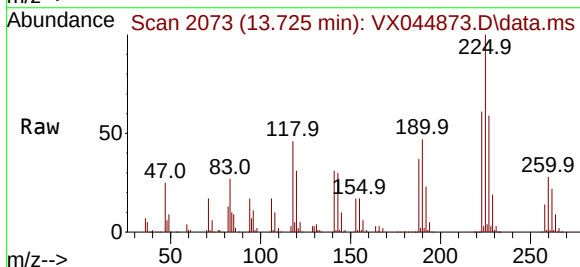
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

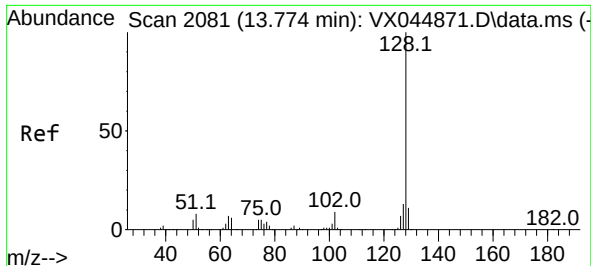
Tgt Ion:180 Resp: 283004
Ion Ratio Lower Upper
180 100
182 93.2 47.6 142.8
145 32.8 16.4 49.1



#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

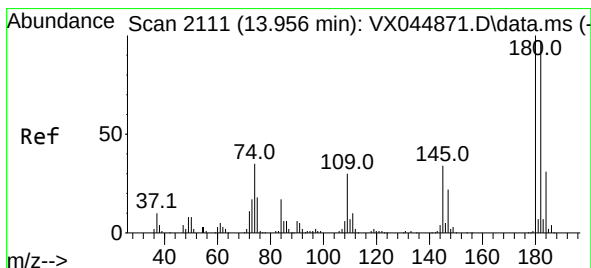
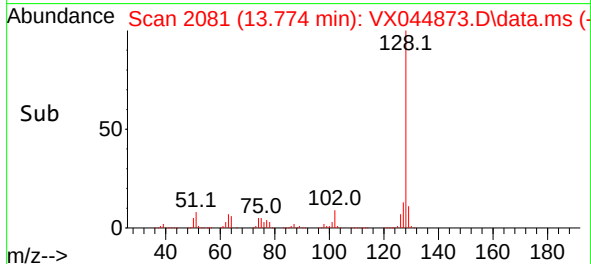
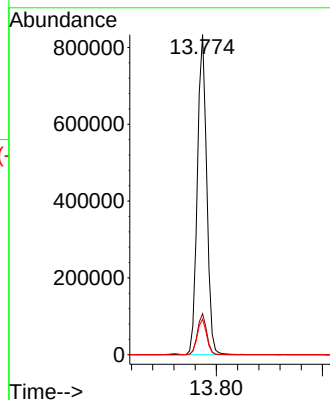
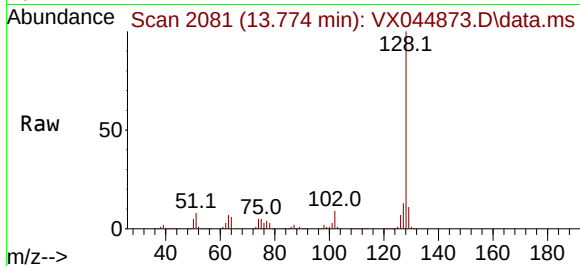




#95
Naphthalene
Concen: 165.916 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

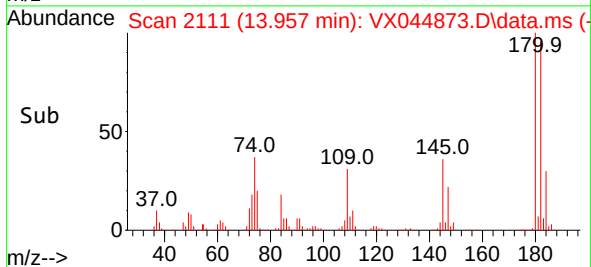
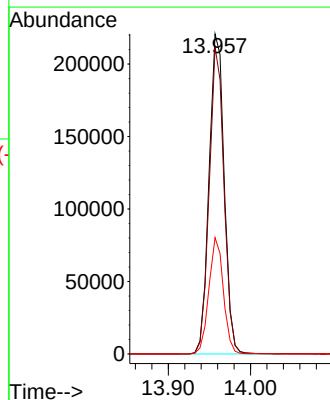
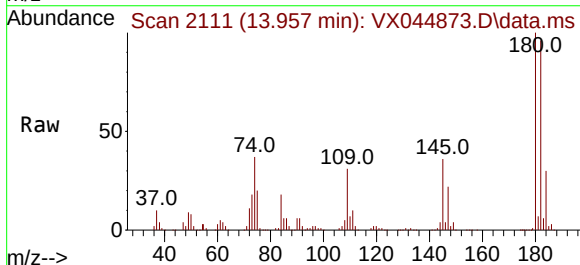
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

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\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)

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

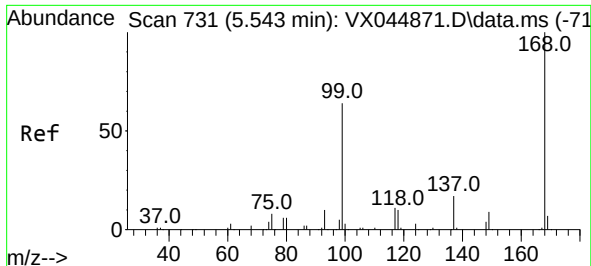
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Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

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)

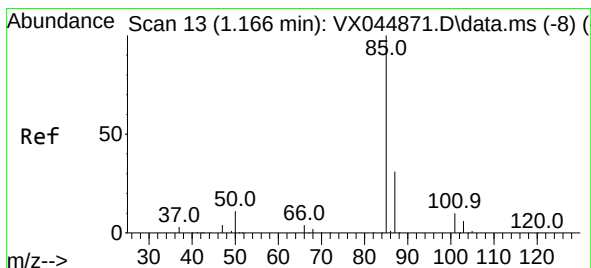
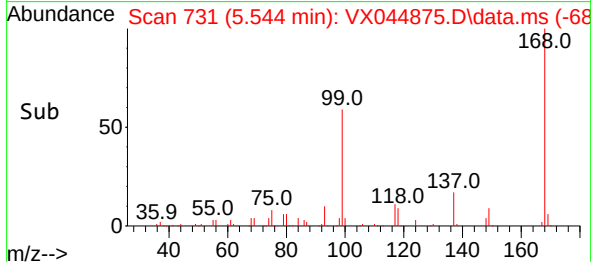
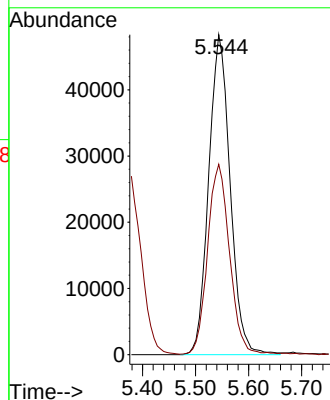
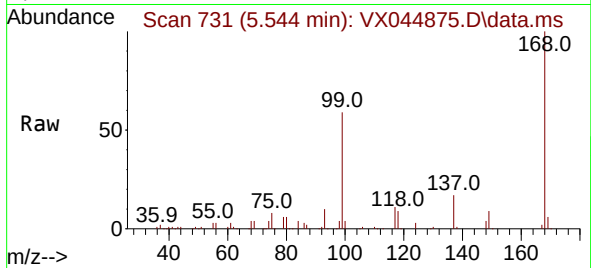
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

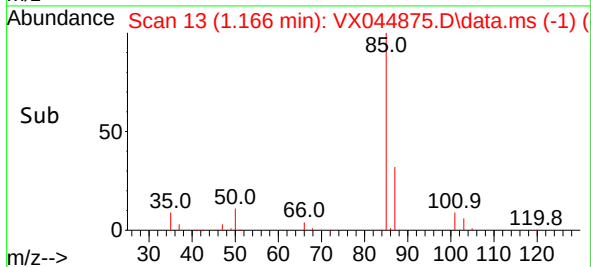
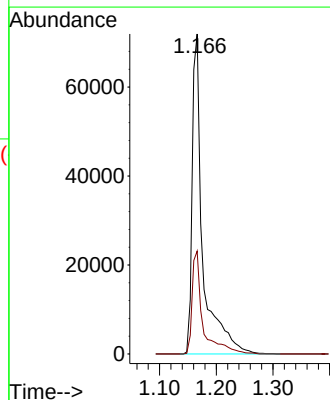
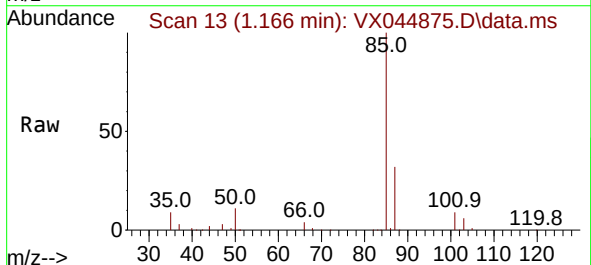
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

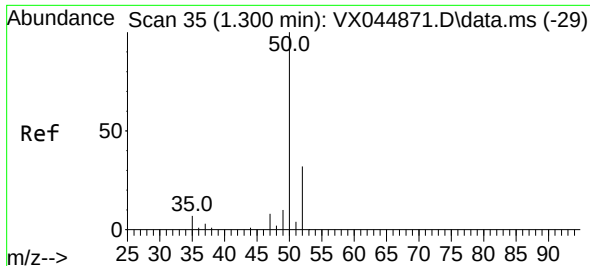
Tgt Ion:168 Resp: 135936
Ion Ratio Lower Upper
168 100
99 59.3 51.2 76.8



#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

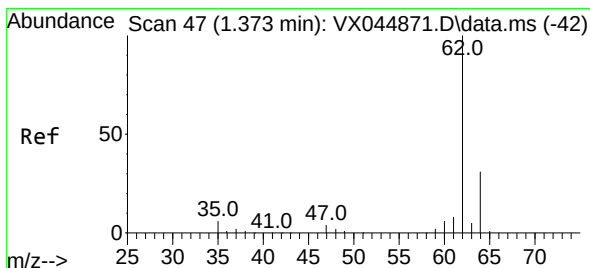
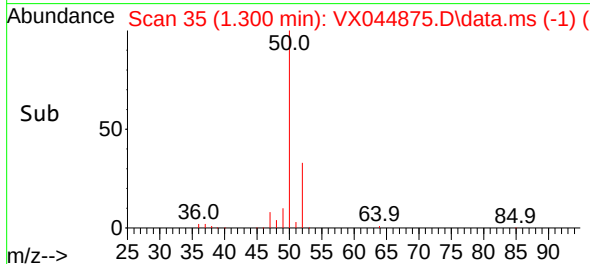
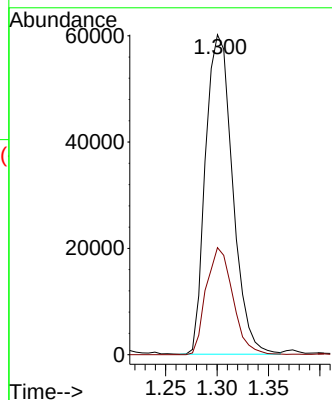
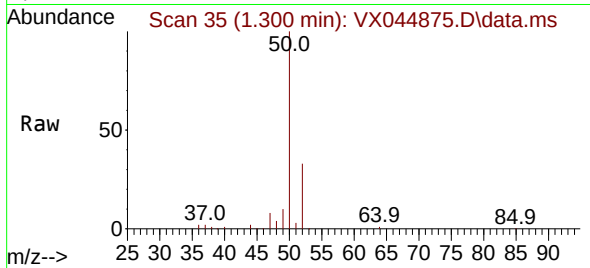




#3
Chloromethane
Concen: 47.590 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

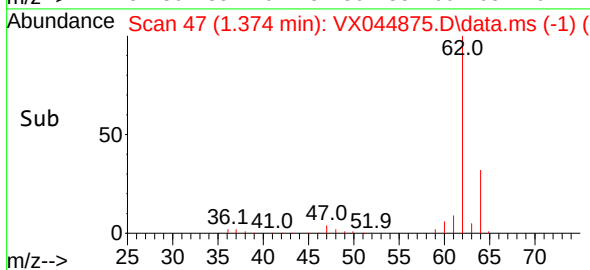
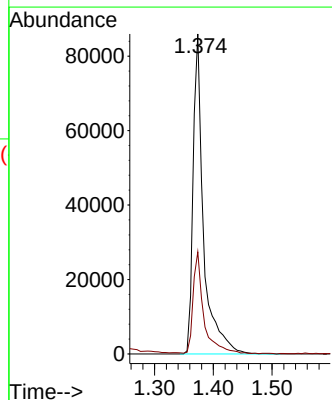
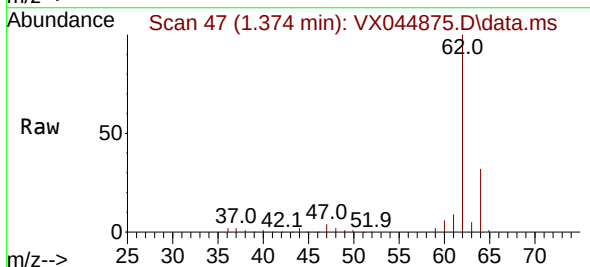
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ClientSampleId :
ICVVX021025

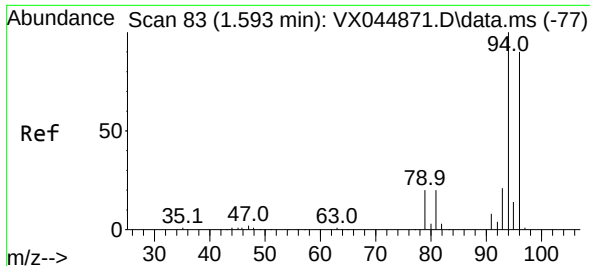
Tgt Ion: 50 Resp: 110431
Ion Ratio Lower Upper
50 100
52 33.5 25.9 38.9



#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

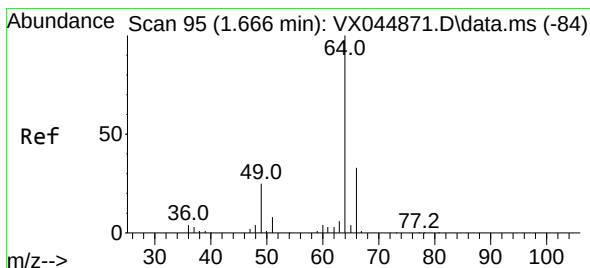
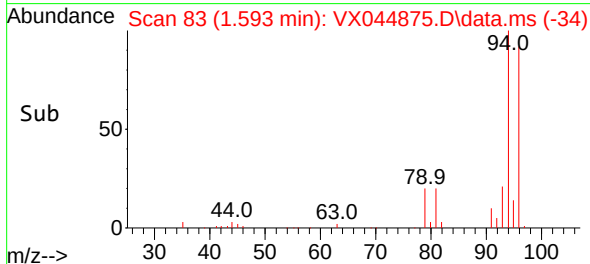
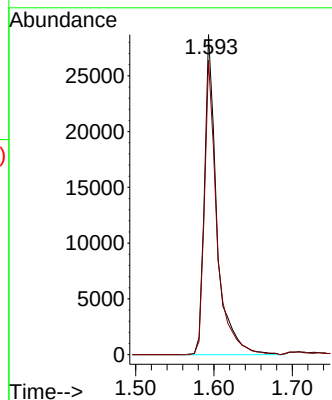
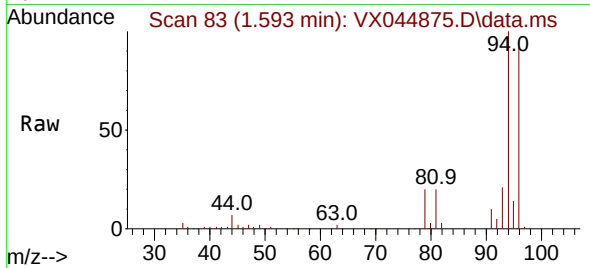




#5
Bromomethane
Concen: 46.719 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

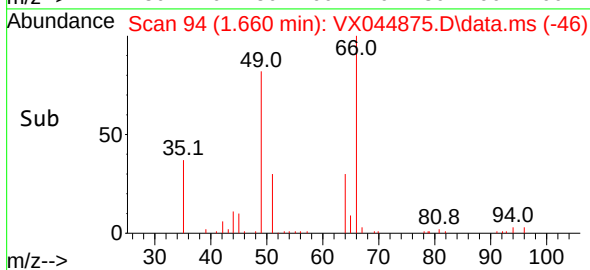
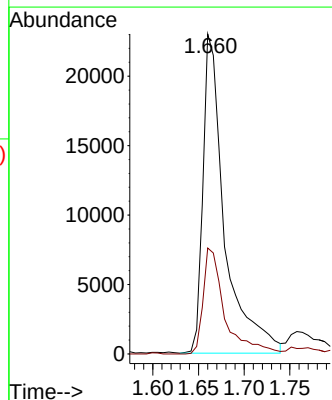
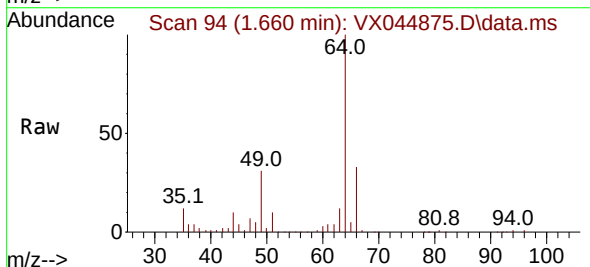
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

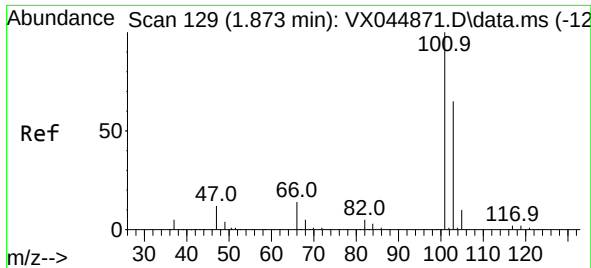
Tgt Ion: 94 Resp: 31428
Ion Ratio Lower Upper
94 100
96 92.0 71.6 107.4



#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

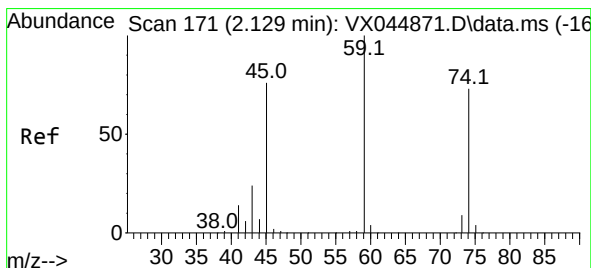
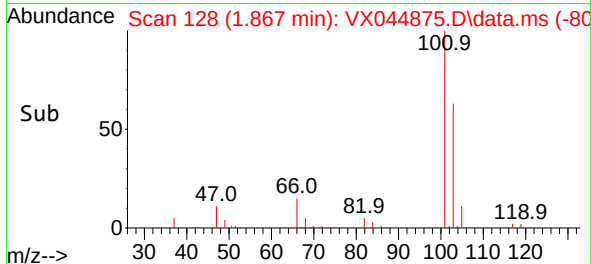
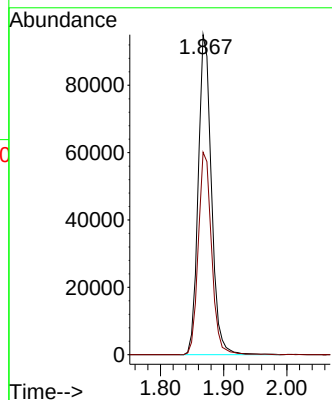
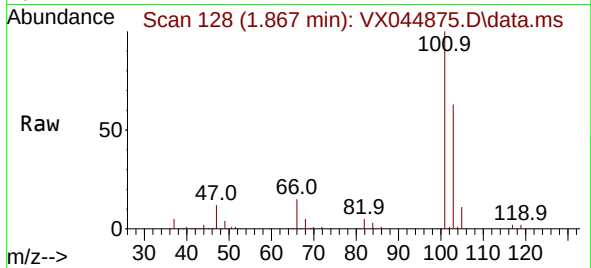




#7
 Trichlorofluoromethane
 Concen: 48.558 ug/l
 RT: 1.867 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

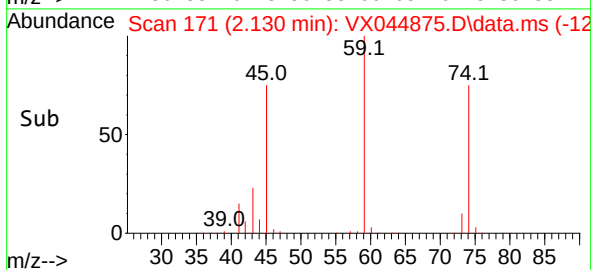
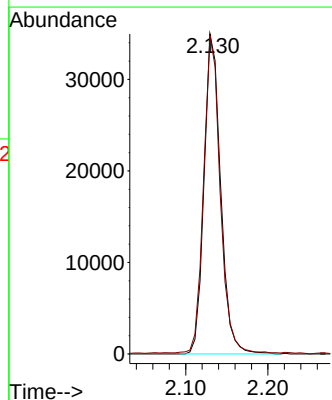
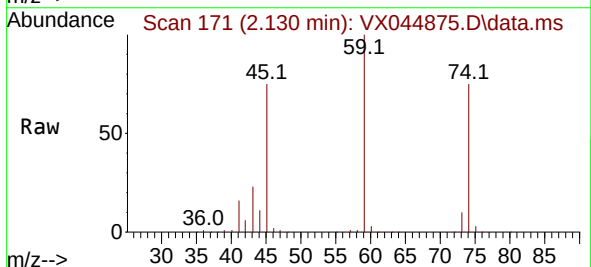
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

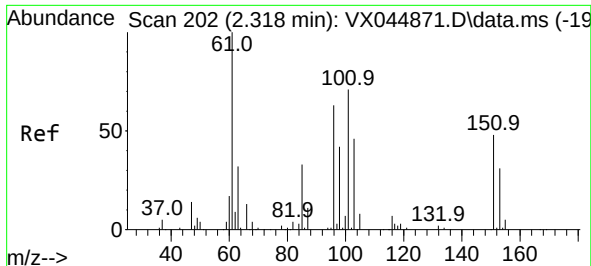
Tgt Ion:101 Resp: 138044
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.4 78.6



#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

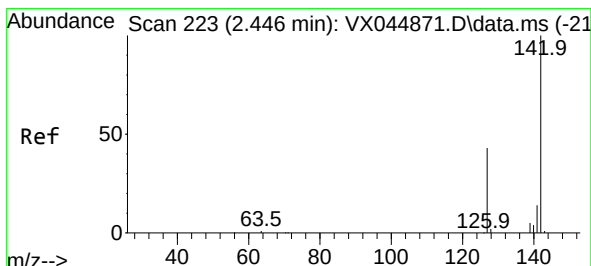
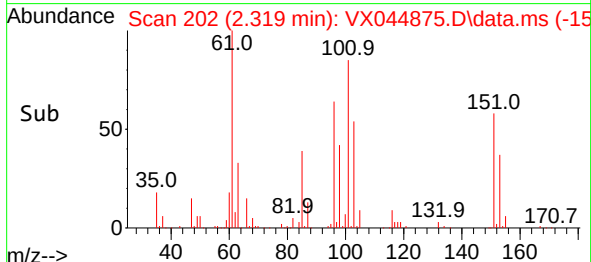
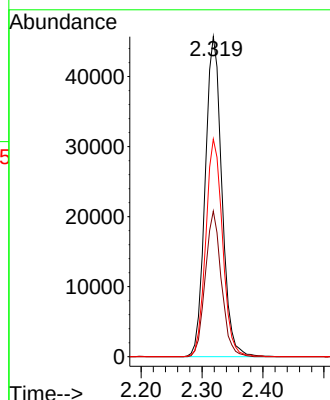
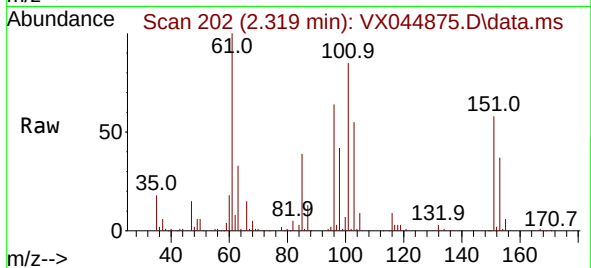




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.588 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

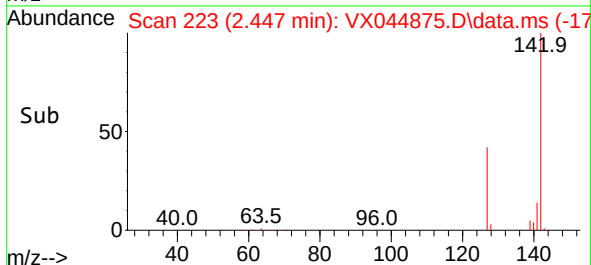
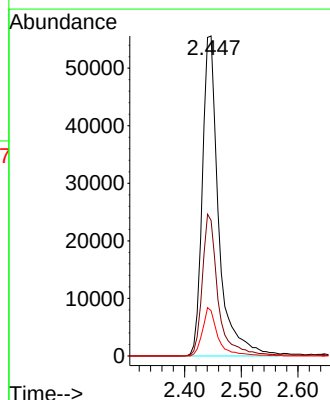
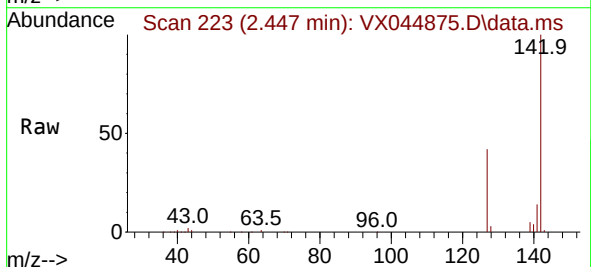
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

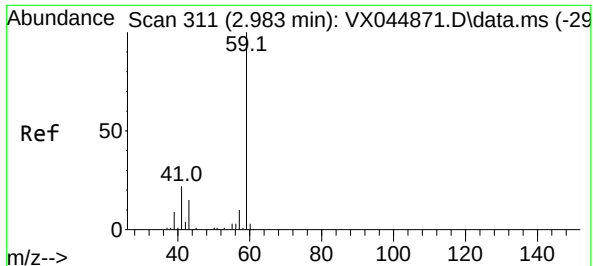
Tgt Ion:101 Resp: 86892
Ion Ratio Lower Upper
101 100
85 43.9 35.7 53.5
151 68.4 56.0 84.0



#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

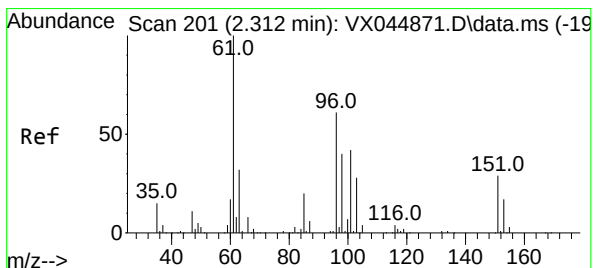
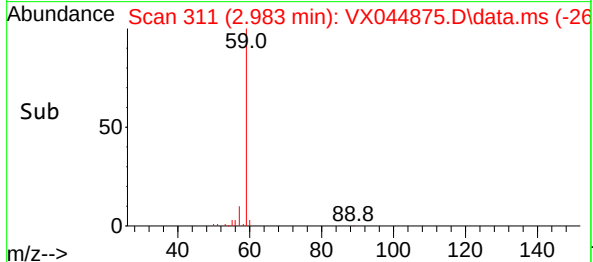
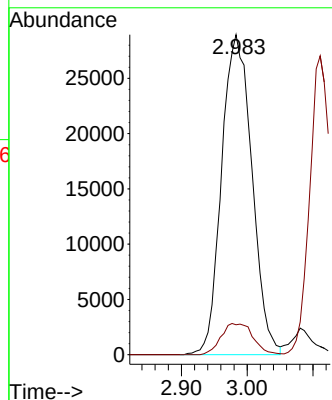
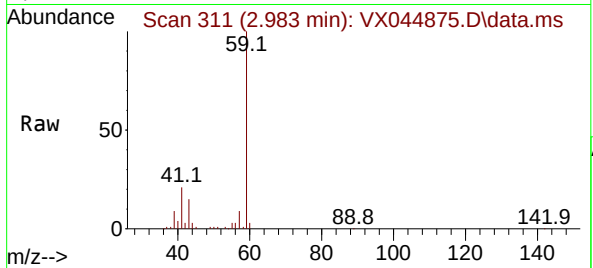




#11
Tert butyl alcohol
Concen: 251.791 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

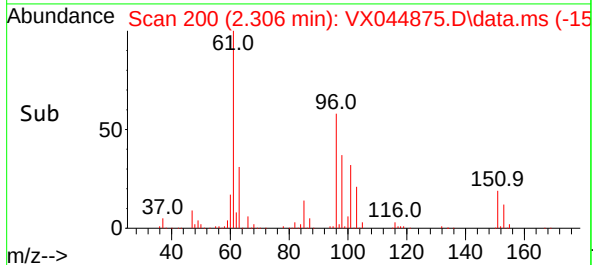
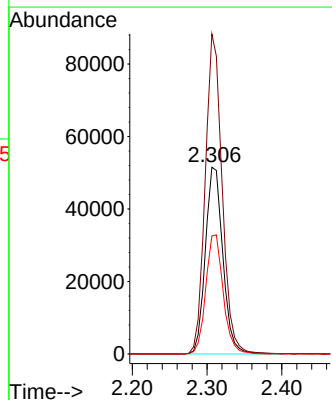
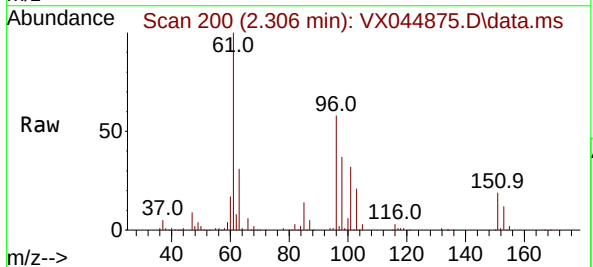
Instrument :
MSVOA_X
ClientSampleId :
ICVX021025

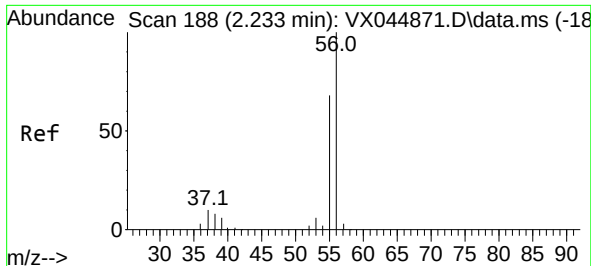
Tgt Ion: 59 Resp: 92949
Ion Ratio Lower Upper
59 100
57 10.3 8.1 12.1



#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

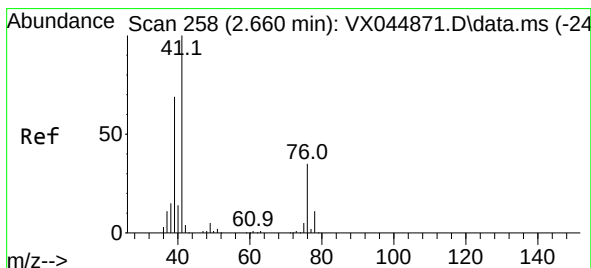
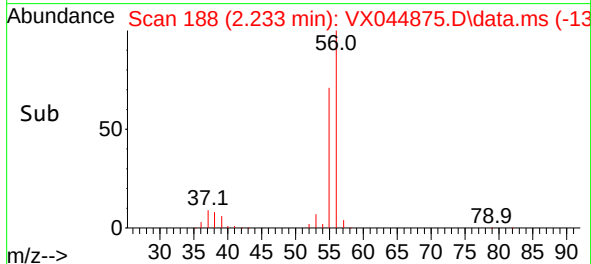
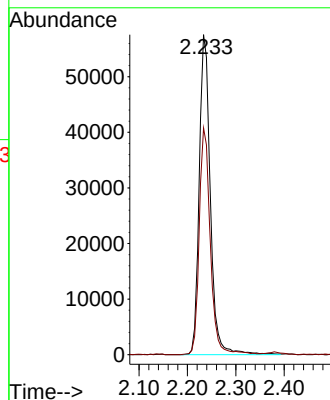
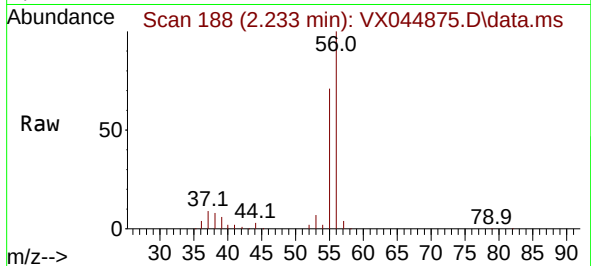




#13
Acrolein
Concen: 240.879 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

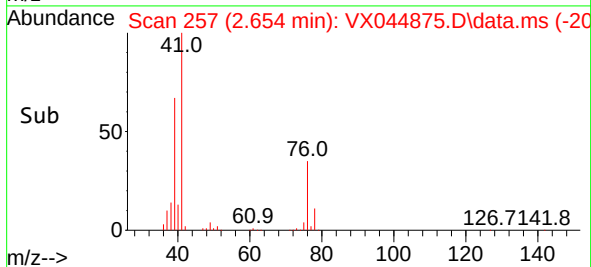
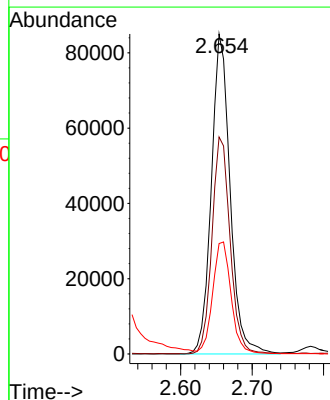
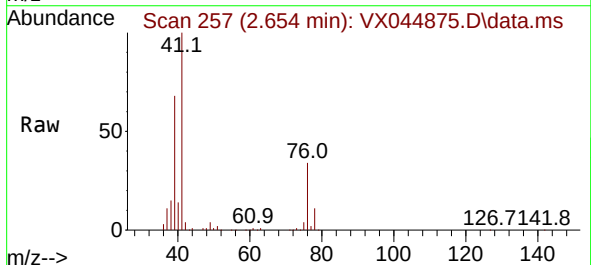
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

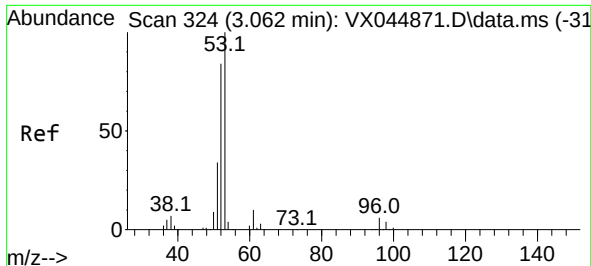
Tgt Ion: 56 Resp: 91744
Ion Ratio Lower Upper
56 100
55 71.0 55.7 83.5



#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

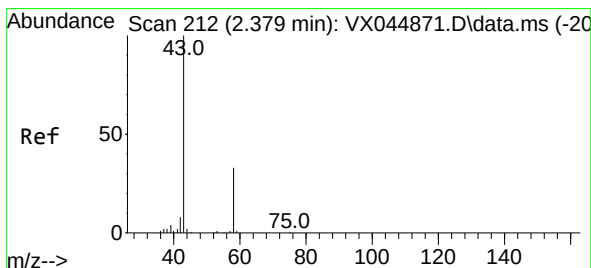
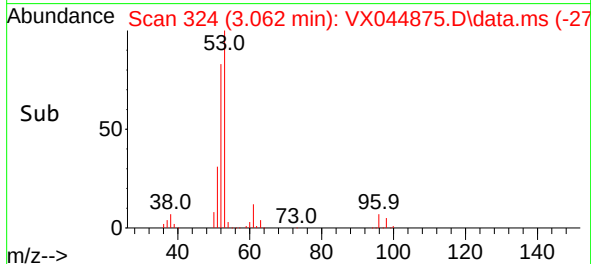
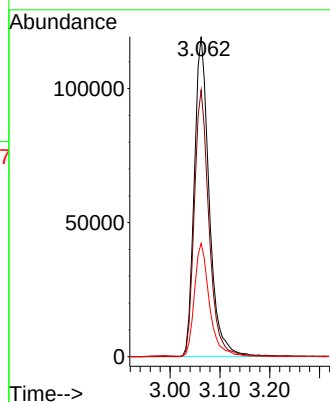
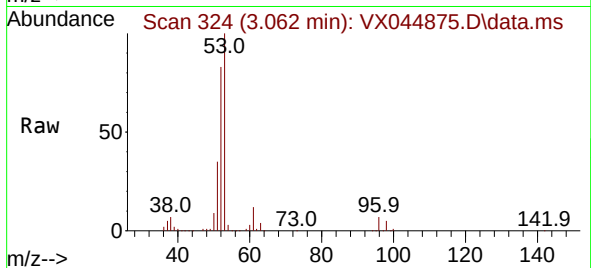




#15
Acrylonitrile
Concen: 251.537 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

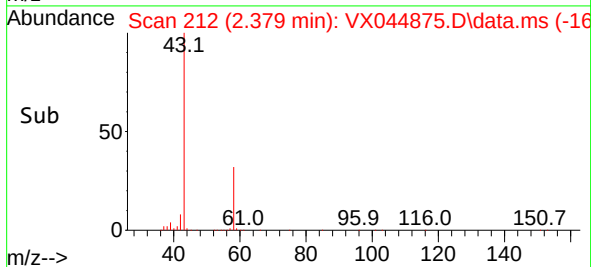
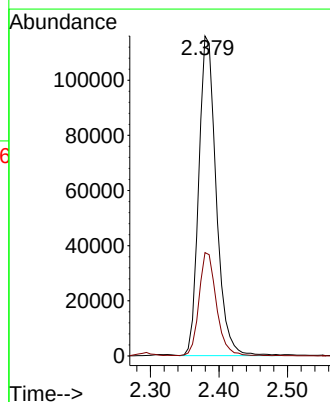
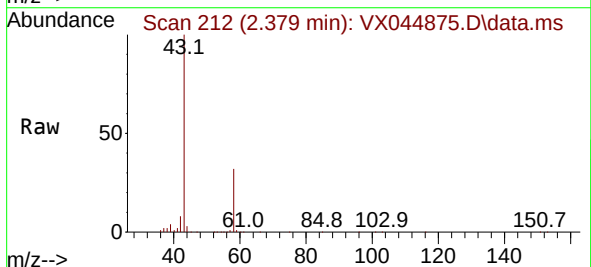
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

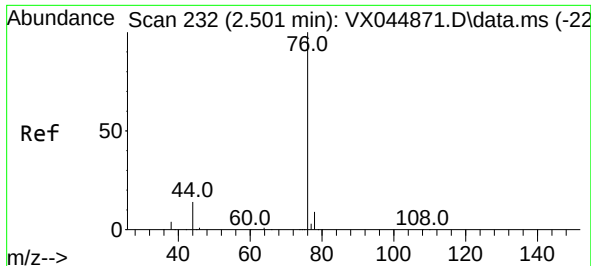
Tgt Ion: 53 Resp: 247921
Ion Ratio Lower Upper
53 100
52 82.3 65.0 97.6
51 35.7 28.0 42.0



#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

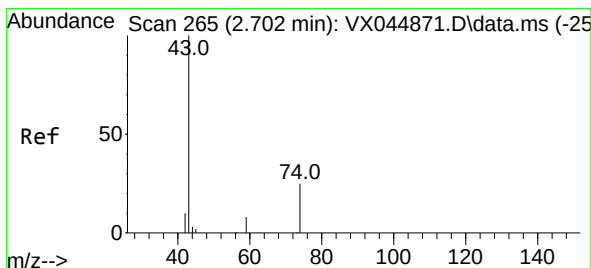
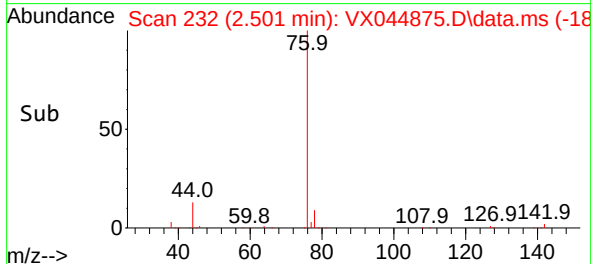
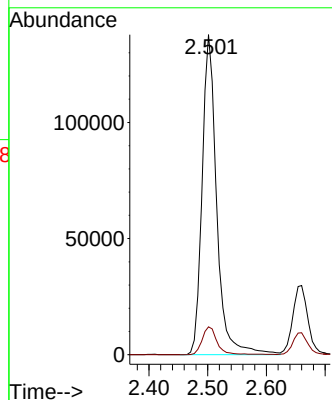
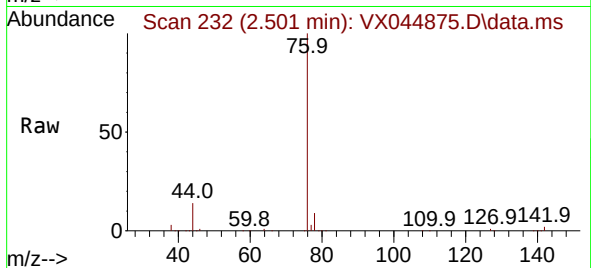




#17
Carbon Disulfide
Concen: 49.472 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

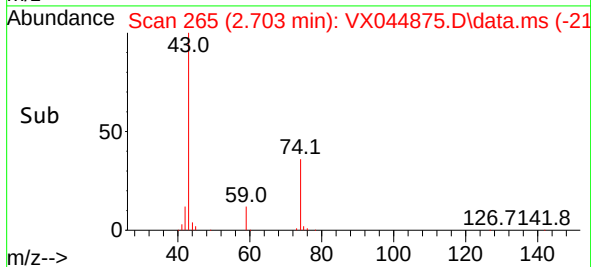
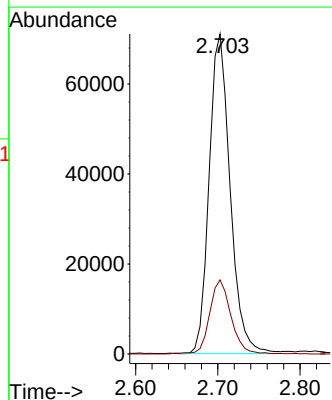
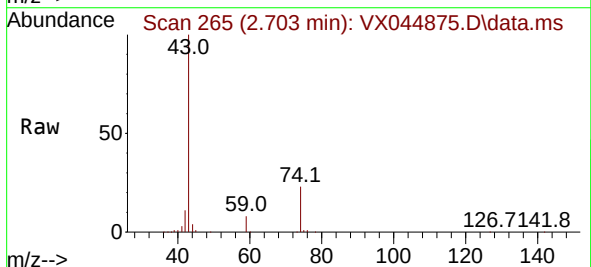
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

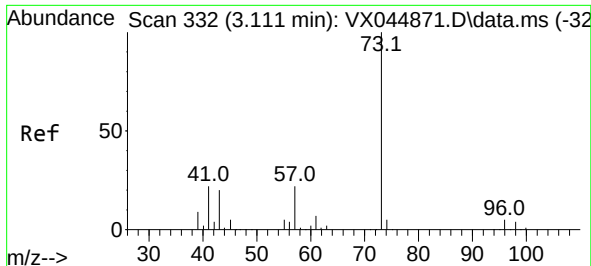
Tgt Ion: 76 Resp: 237694
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#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

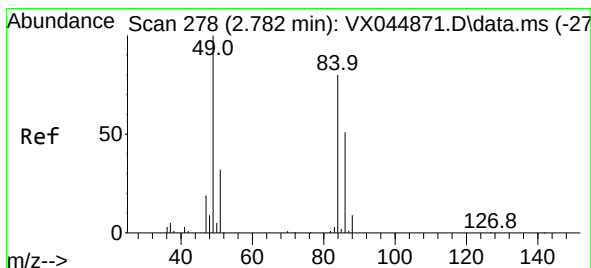
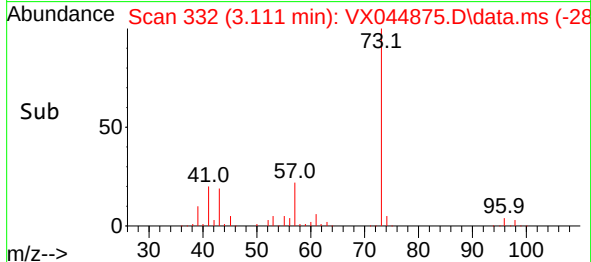
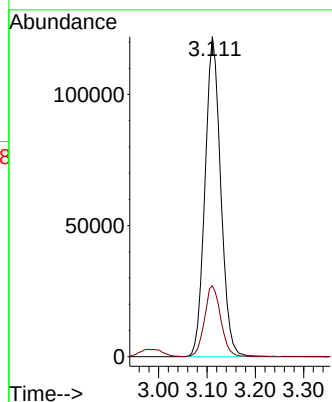
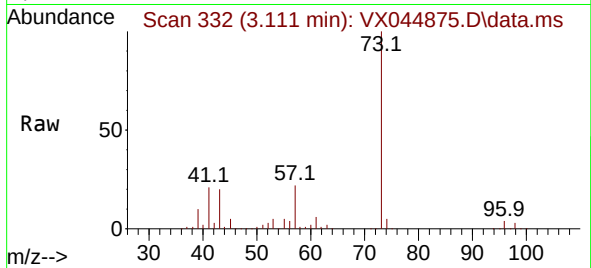




#19
Methyl tert-butyl Ether
Concen: 49.453 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

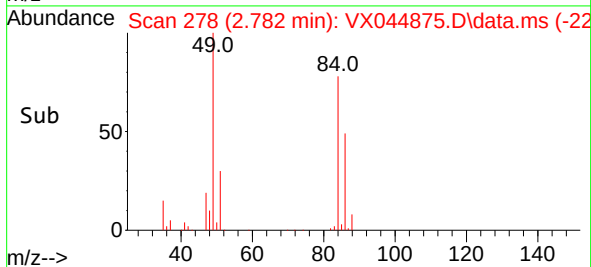
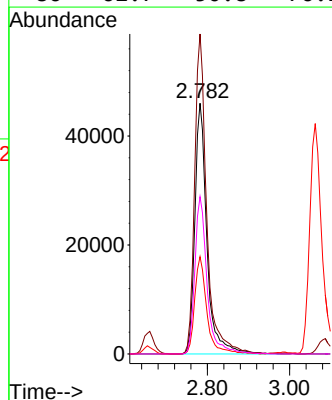
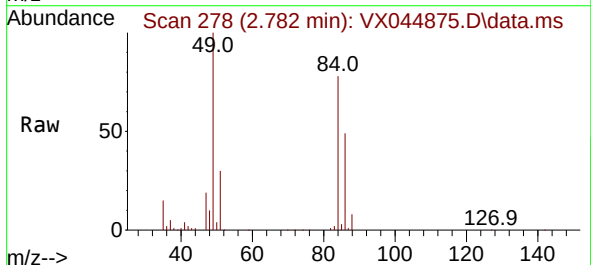
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

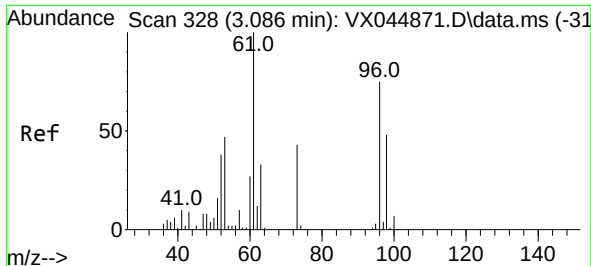
Tgt Ion: 73 Resp: 275685
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9



#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

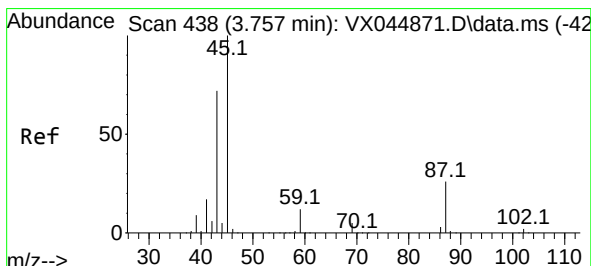
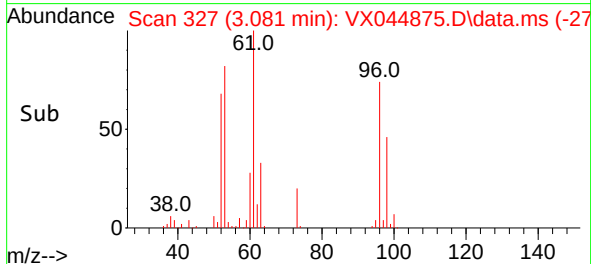
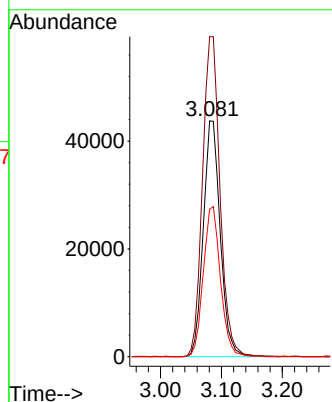
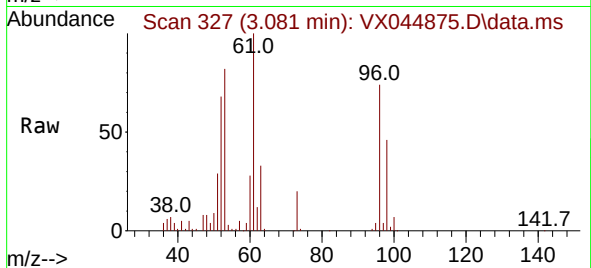




#21
trans-1,2-Dichloroethene
Concen: 49.129 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

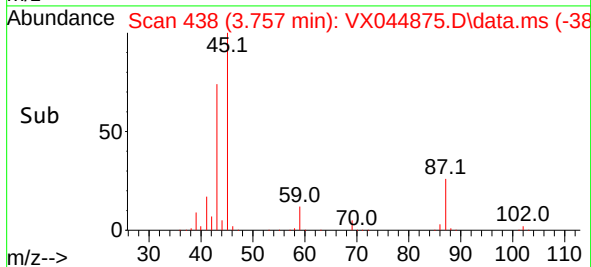
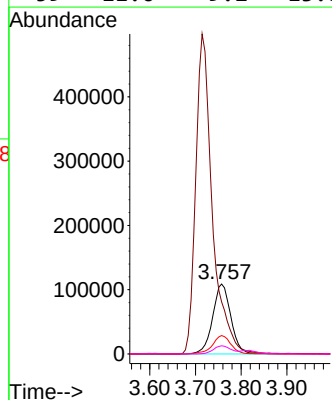
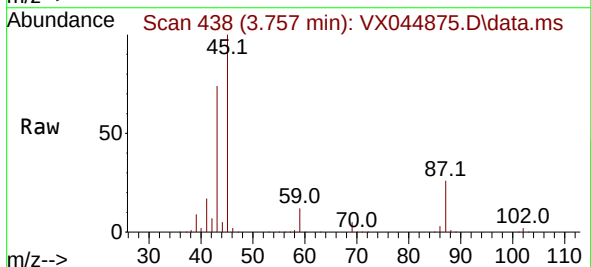
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

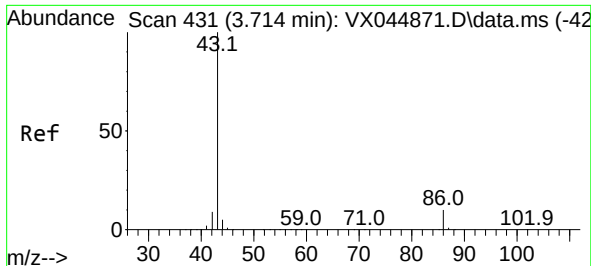
Tgt Ion: 96 Resp: 84720
Ion Ratio Lower Upper
96 100
61 135.7 106.0 159.0
98 62.5 50.6 76.0



#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

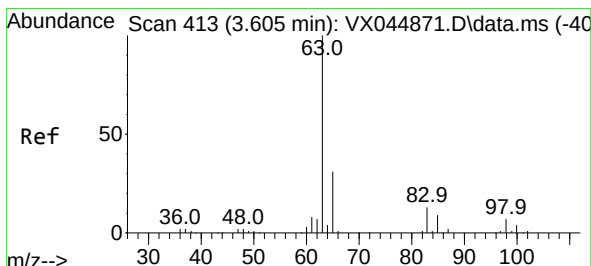
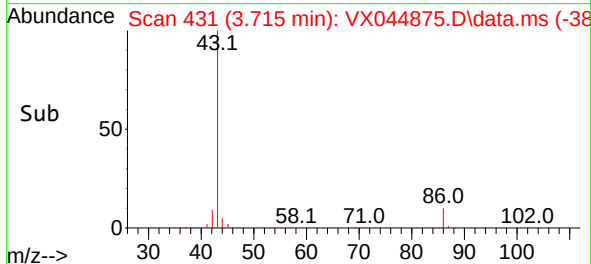
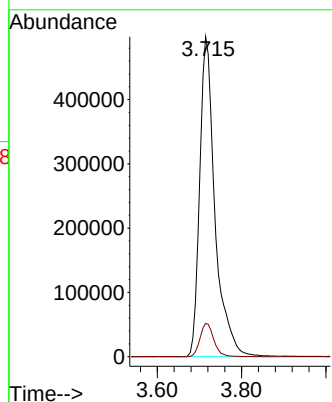
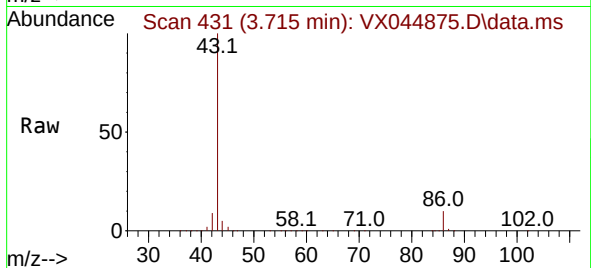




#23
 Vinyl Acetate
 Concen: 257.465 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

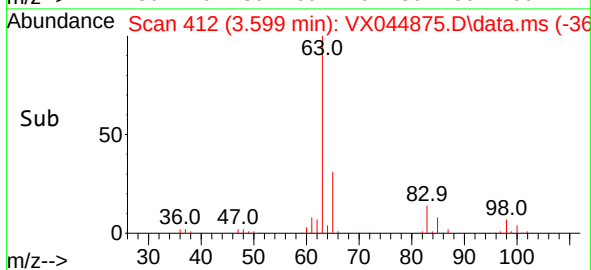
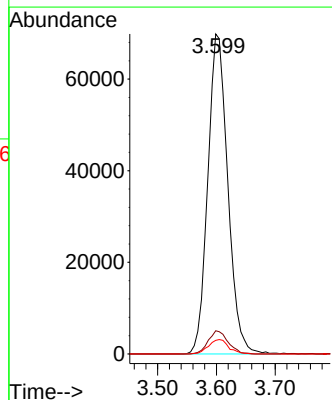
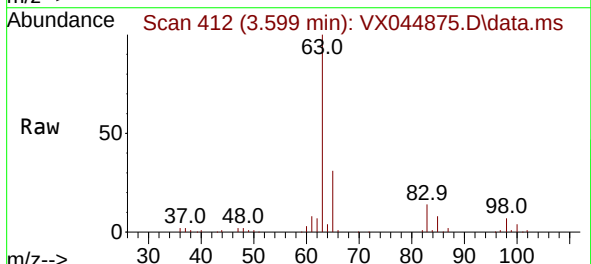
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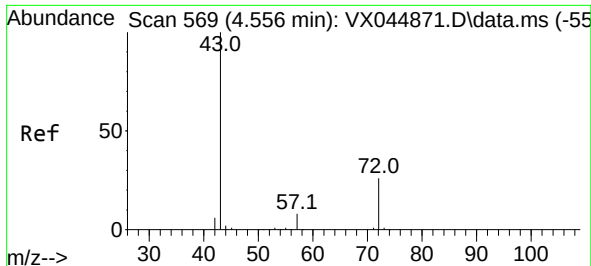
Tgt Ion: 43 Resp: 1257431
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5



#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

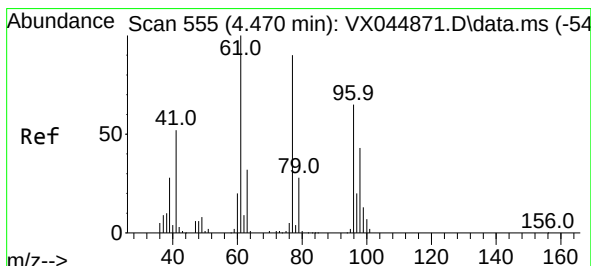
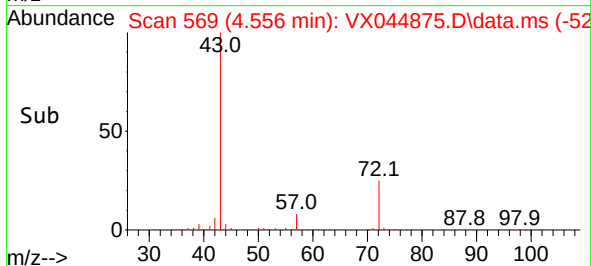
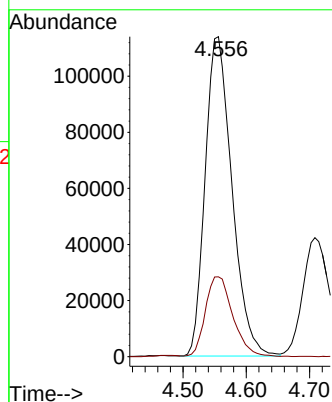
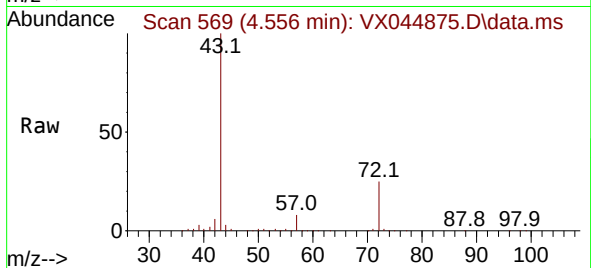




#25
2-Butanone
Concen: 258.175 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

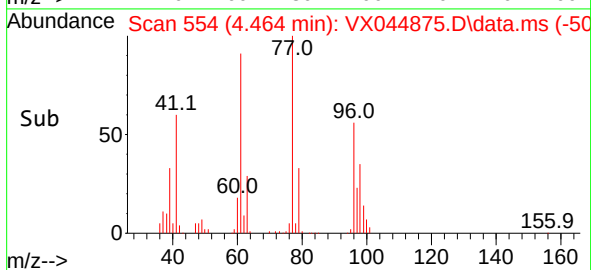
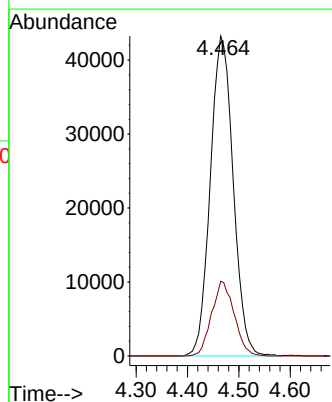
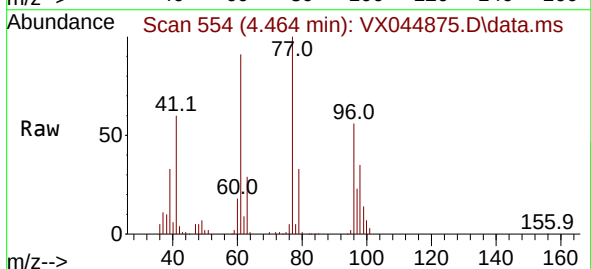
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

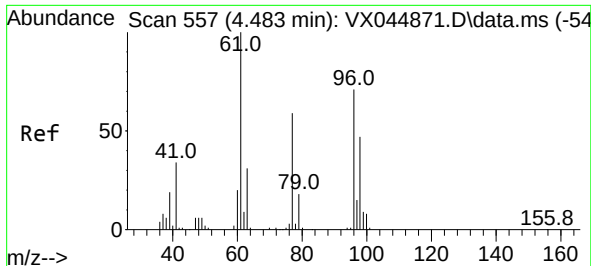
Tgt Ion: 43 Resp: 335358
Ion Ratio Lower Upper
43 100
72 24.9 21.2 31.8



#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# 556

Delta R.T. -0.006 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

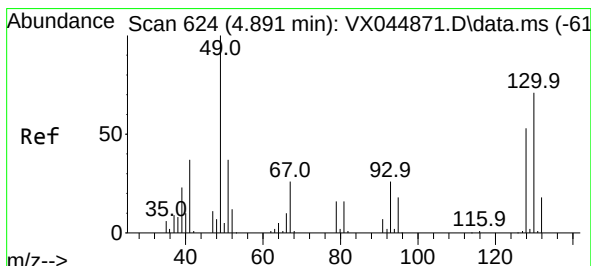
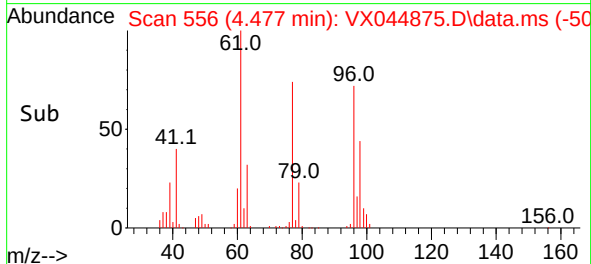
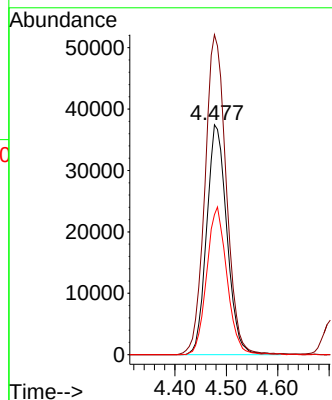
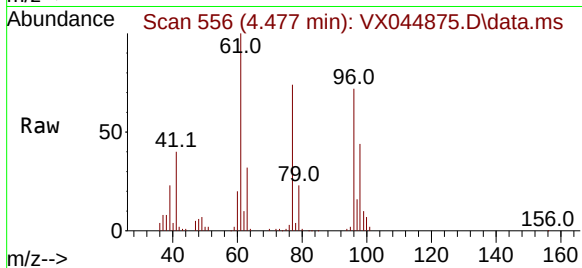
Tgt Ion: 96 Resp: 102518

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

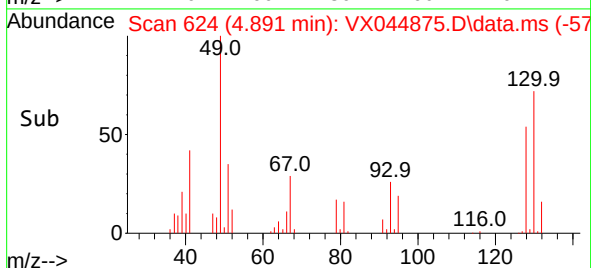
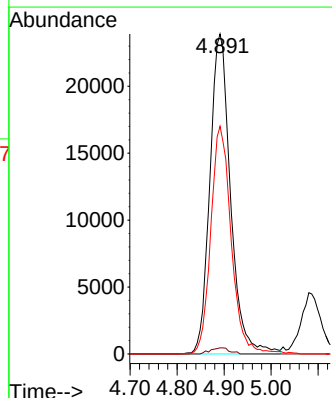
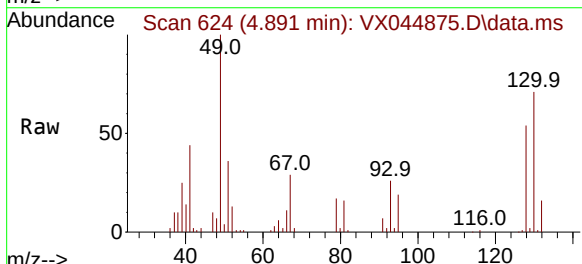
Tgt Ion: 49 Resp: 72893

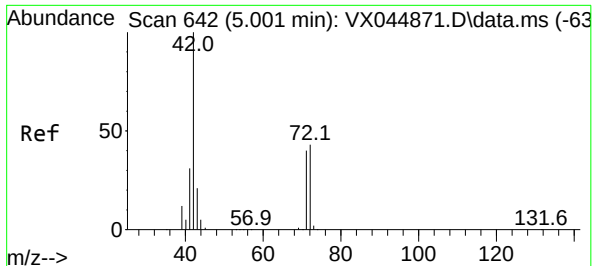
Ion Ratio Lower Upper

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 :

ICVX021025

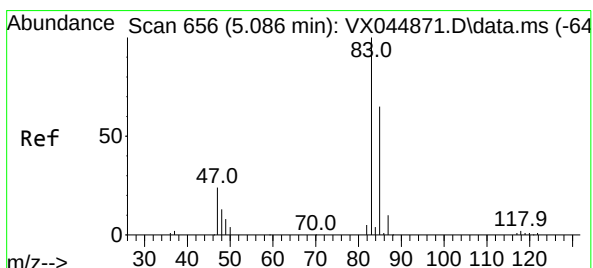
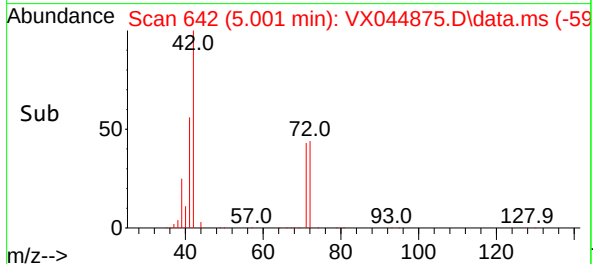
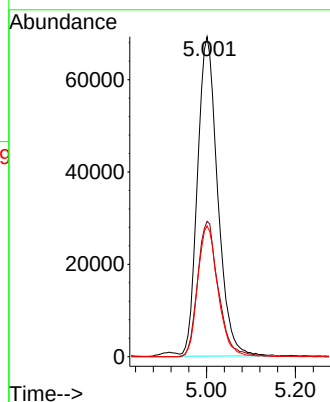
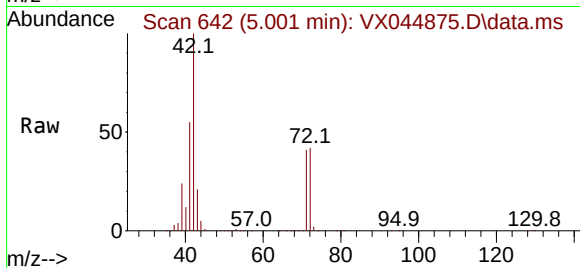
Tgt Ion: 42 Resp: 218496

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

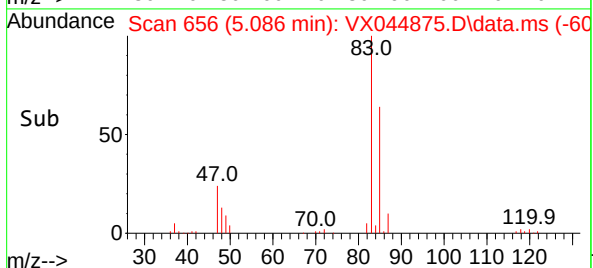
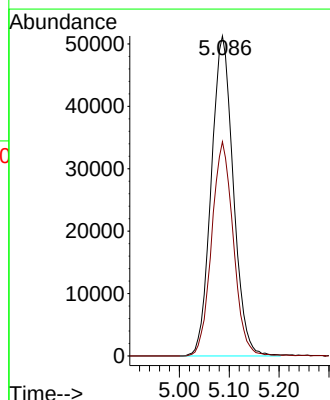
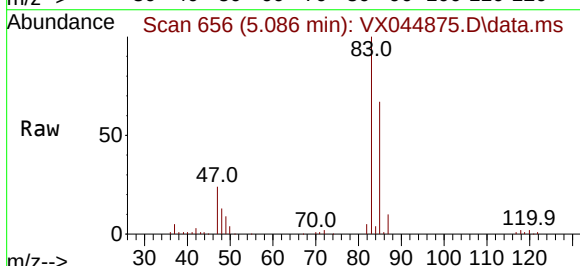
Acq: 10 Feb 2025 13:15

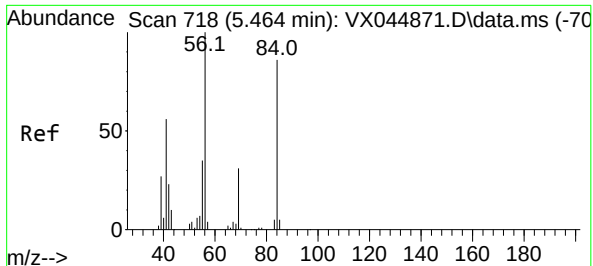
Tgt Ion: 83 Resp: 157312

Ion Ratio Lower Upper

83 100

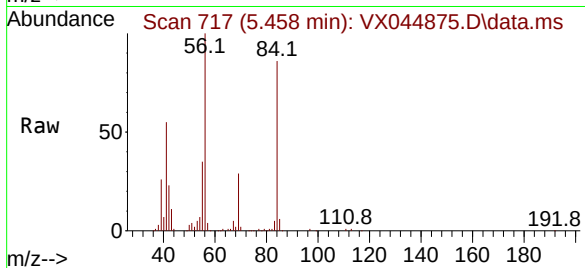
85 66.9 52.1 78.1



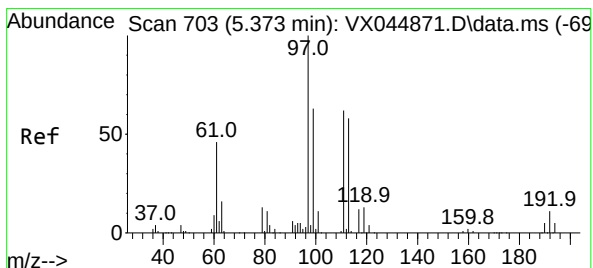
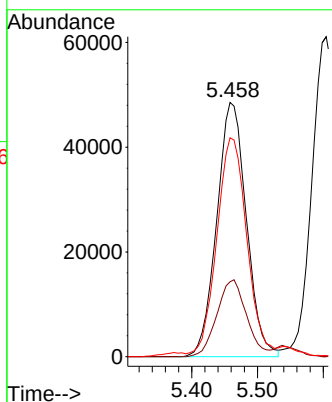
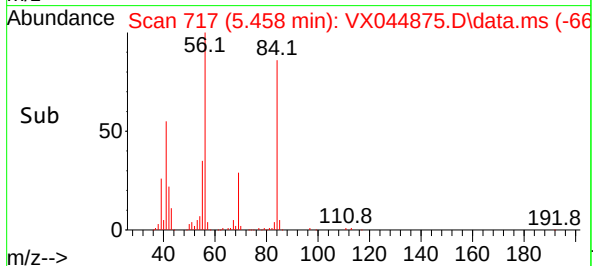


#31
Cyclohexane
Concen: 49.211 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

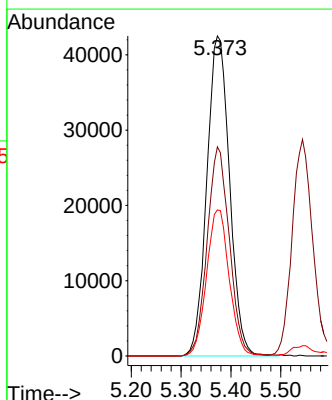
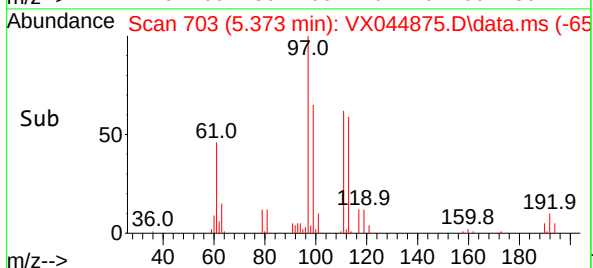
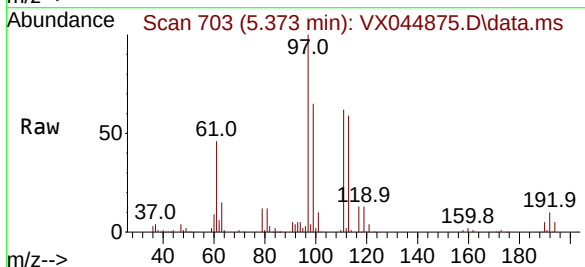


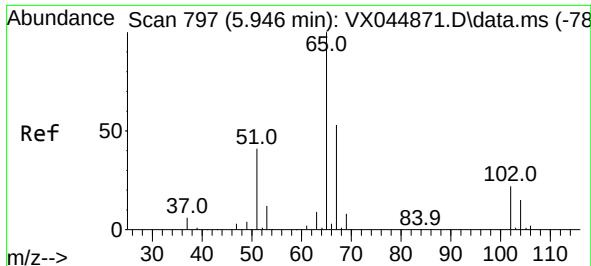
Tgt Ion: 56 Resp: 152073
Ion Ratio Lower Upper
56 100
69 29.4 24.4 36.6
84 84.6 69.0 103.6



#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

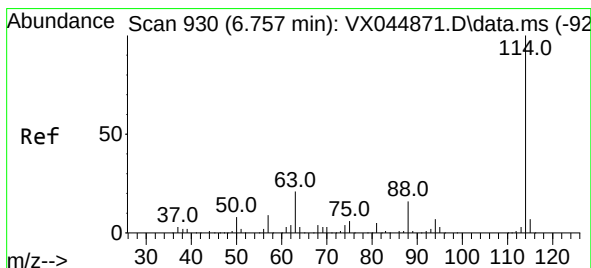
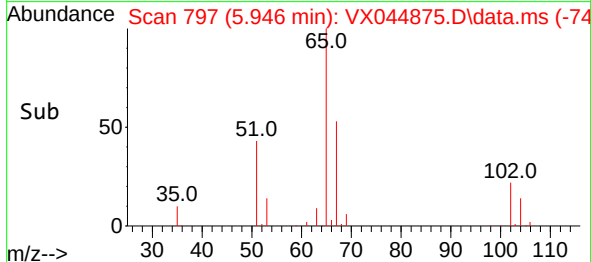
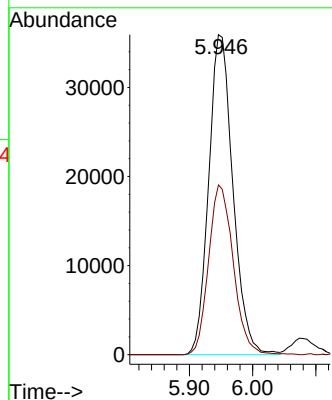
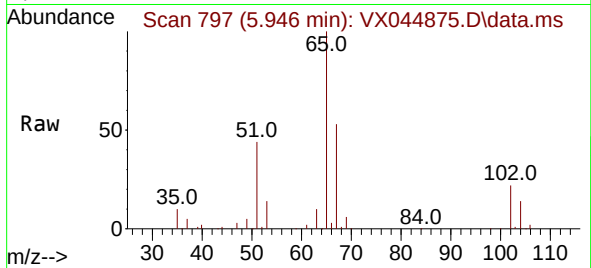




#33
 1,2-Dichloroethane-d4
 Concen: 48.061 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

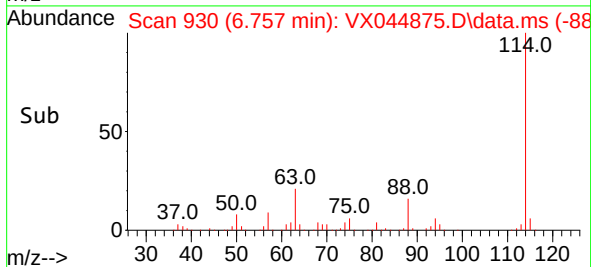
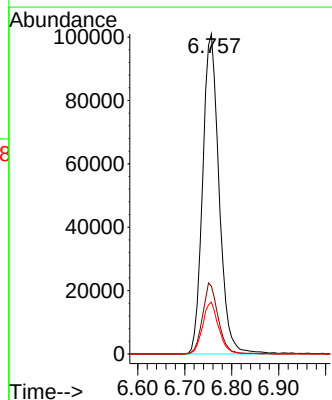
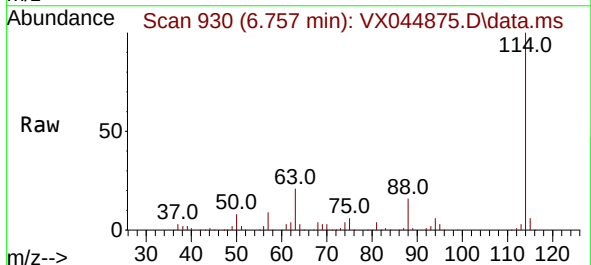
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

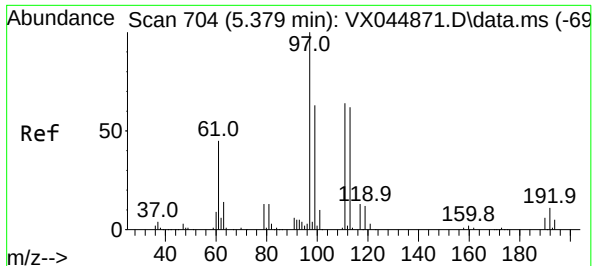
Tgt Ion: 65 Resp: 95635
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.2



#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

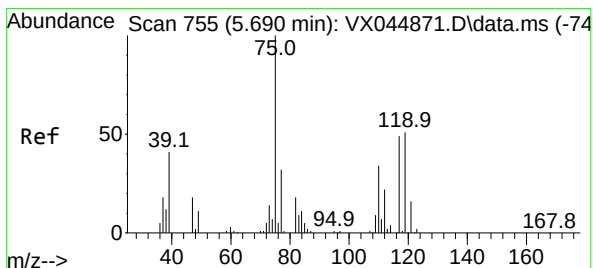
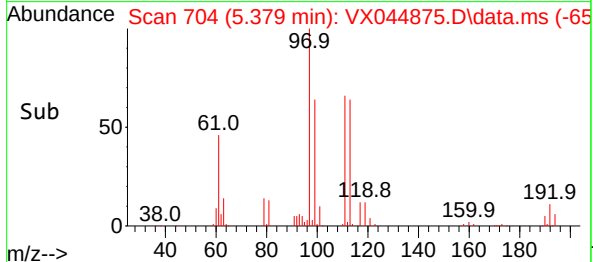
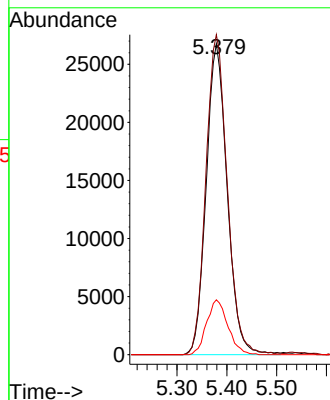
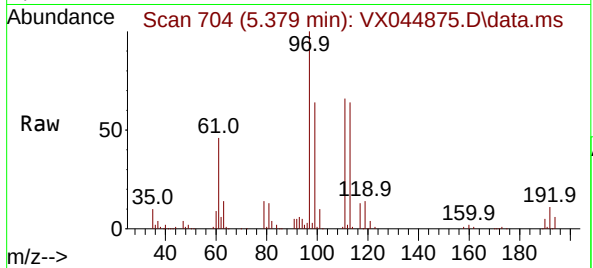




#35
Dibromofluoromethane
Concen: 49.173 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

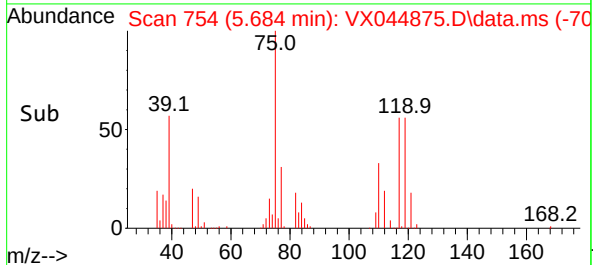
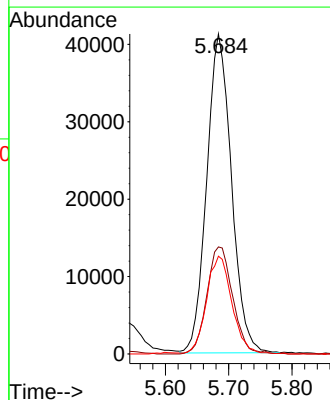
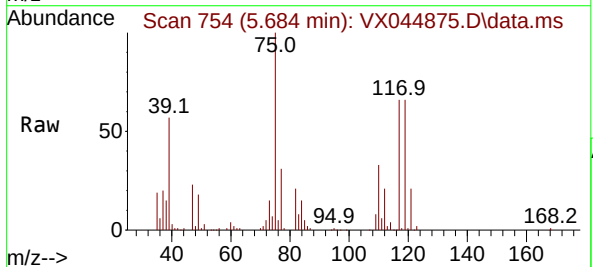
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

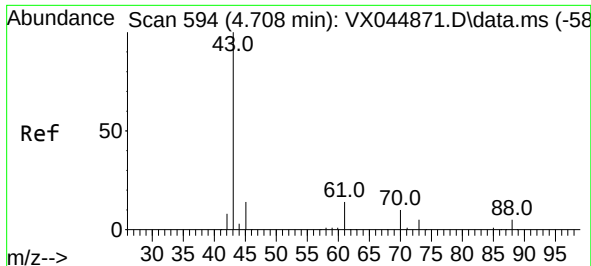
Tgt Ion:113 Resp: 78360
Ion Ratio Lower Upper
113 100
111 104.4 83.5 125.3
192 17.9 14.4 21.6



#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

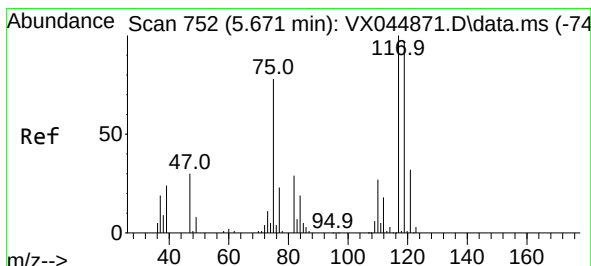
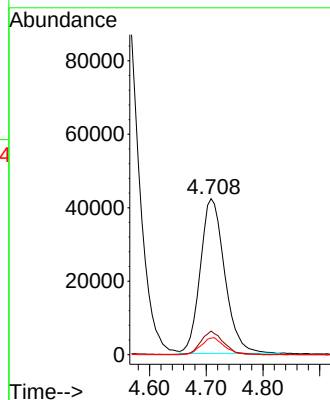
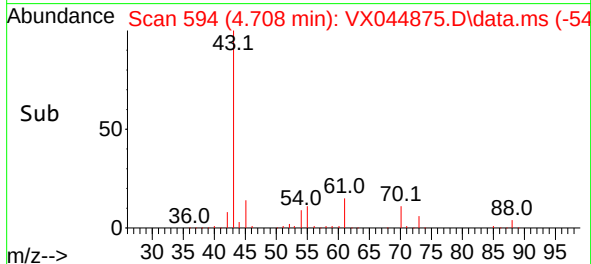
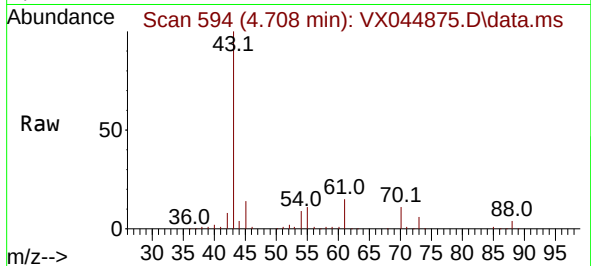




#37
Ethyl Acetate
Concen: 49.300 ug/l
RT: 4.708 min Scan# 594
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

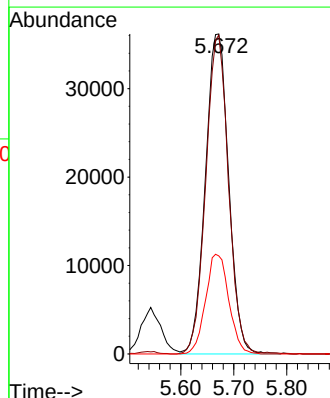
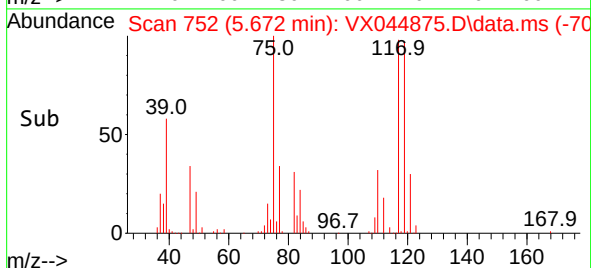
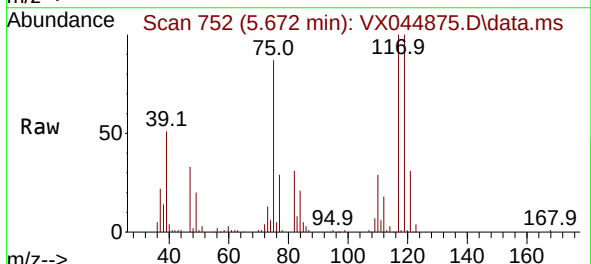
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

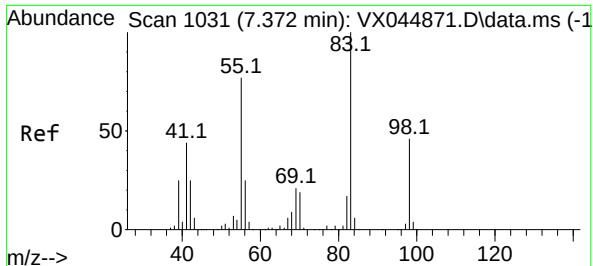
Tgt Ion: 43 Resp: 126071
Ion Ratio Lower Upper
43 100
61 14.3 11.0 16.4
70 10.4 8.2 12.2



#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

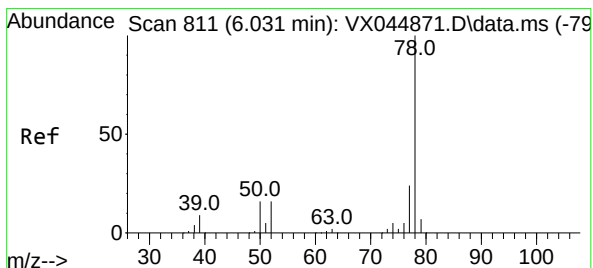
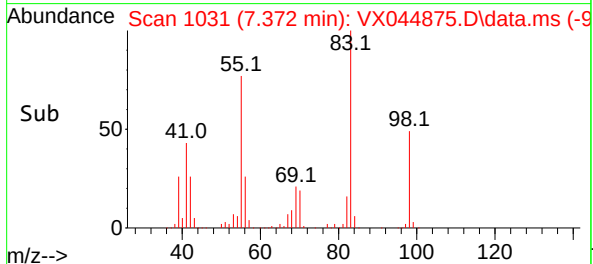
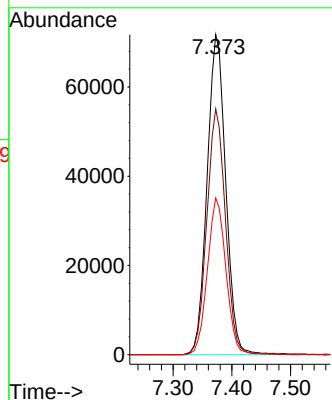
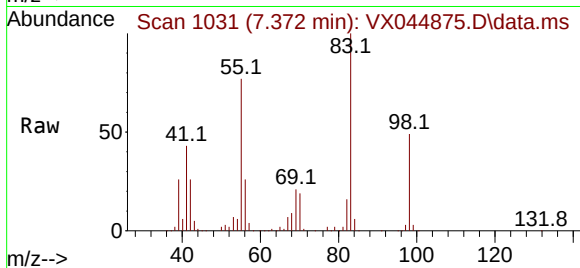
Tgt Ion: 83 Resp: 158289

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

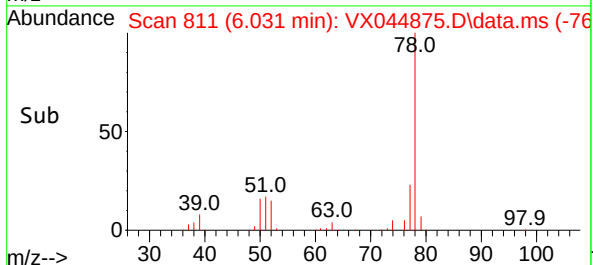
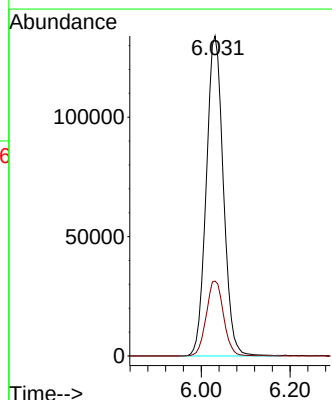
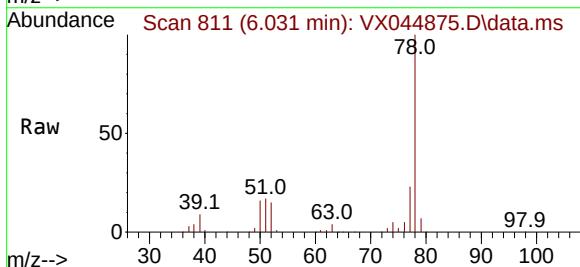
Acq: 10 Feb 2025 13:15

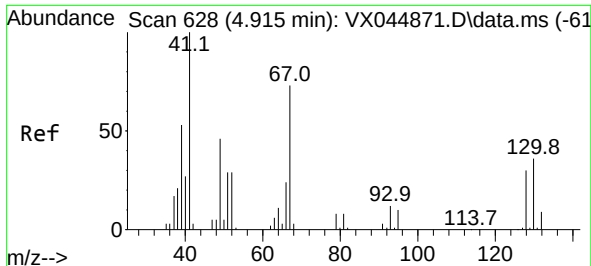
Tgt Ion: 78 Resp: 358365

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.6



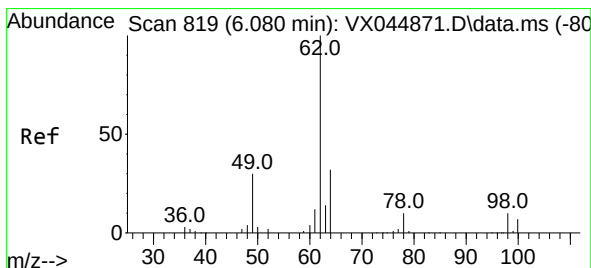
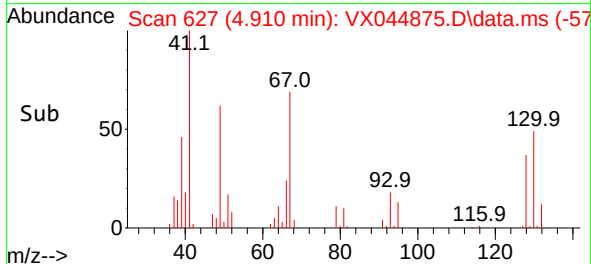
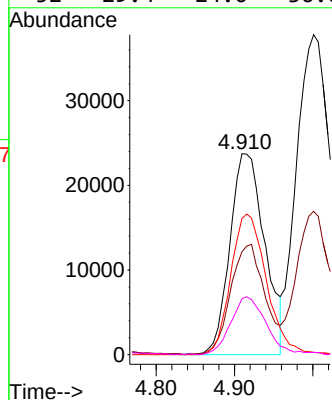
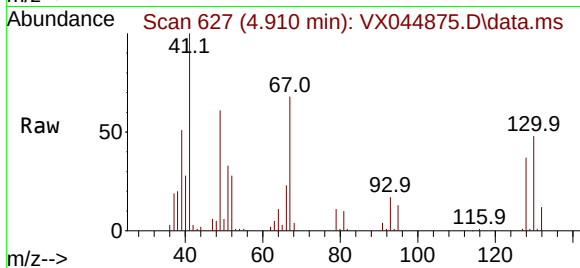


#41
Methacrylonitrile
Concen: 53.741 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVX021025

Tgt Ion: 41 Resp: 73559

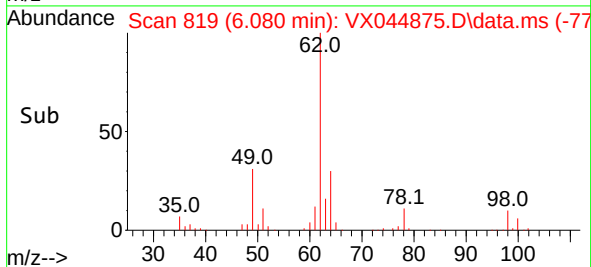
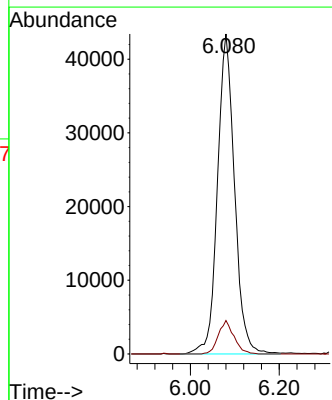
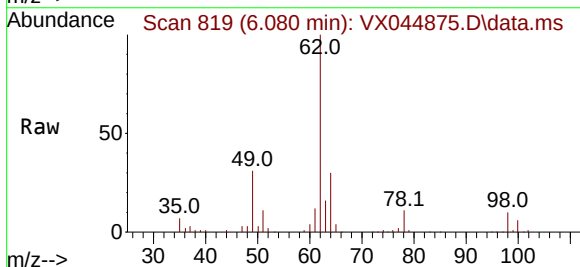
Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.1	64.7
67	71.9	57.0	85.6
52	29.4	24.0	36.0

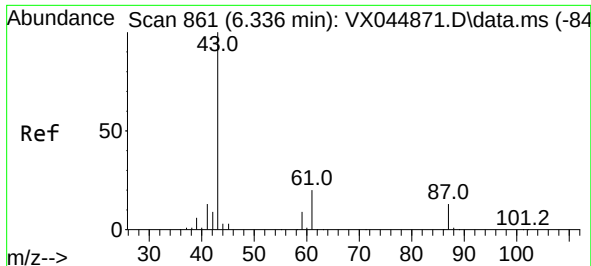


#42
1,2-Dichloroethane
Concen: 50.410 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 62 Resp: 115339

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4

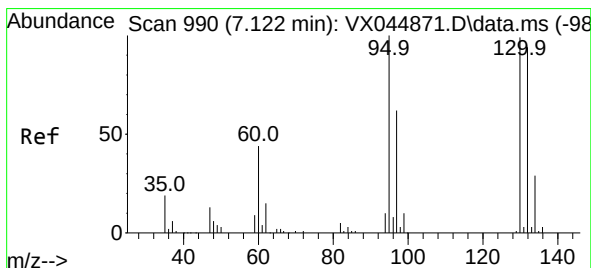
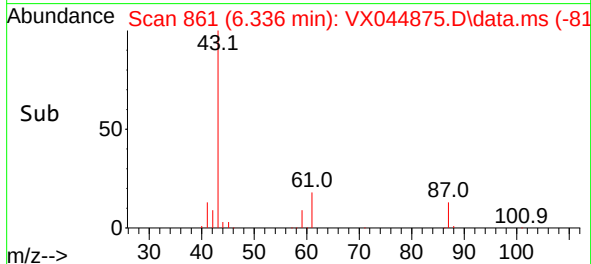
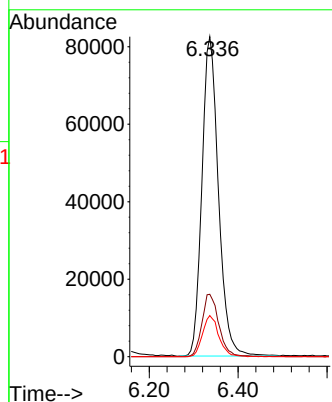
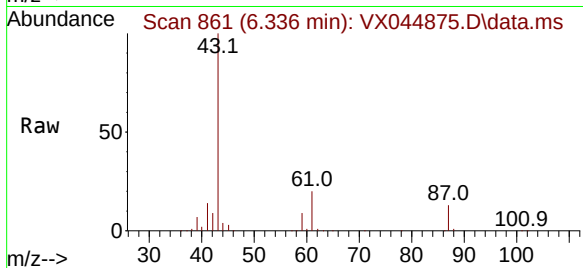




#43
Isopropyl Acetate
Concen: 51.798 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

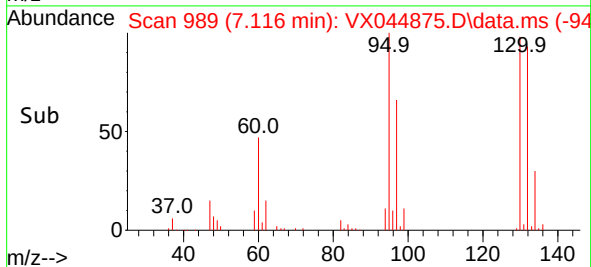
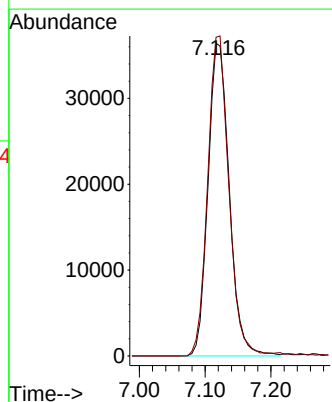
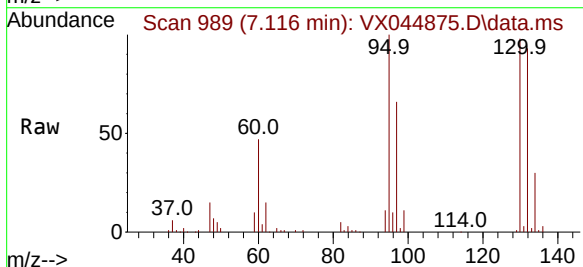
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

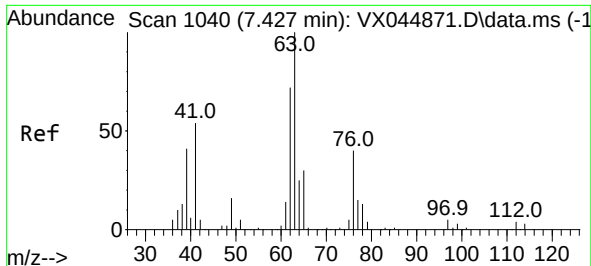
Tgt Ion: 43 Resp: 213901
Ion Ratio Lower Upper
43 100
61 19.9 15.8 23.8
87 12.6 10.0 15.0



#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

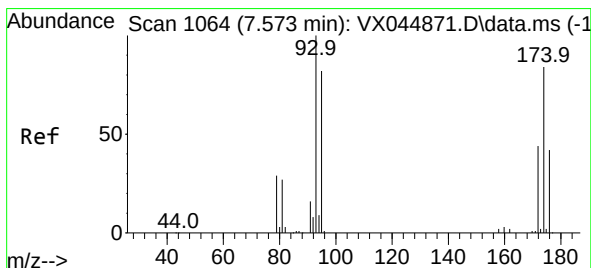
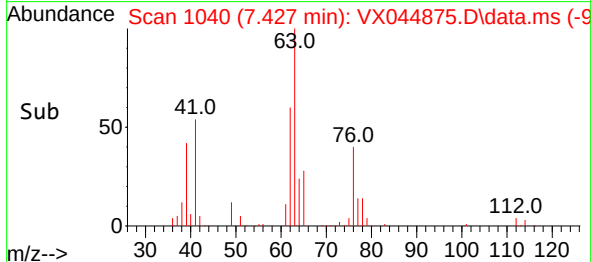
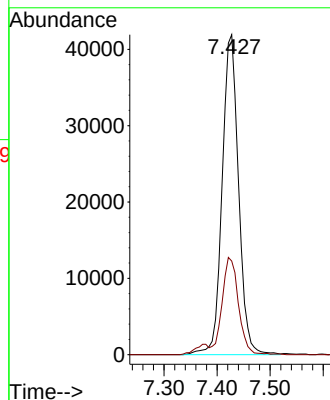
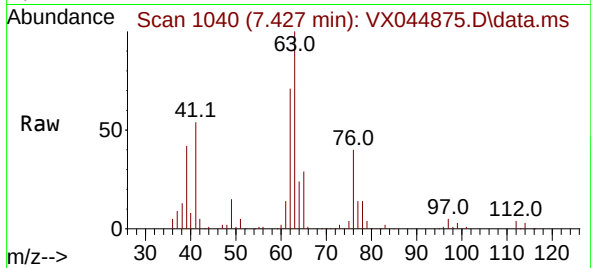




#45
1,2-Dichloropropane
Concen: 50.387 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

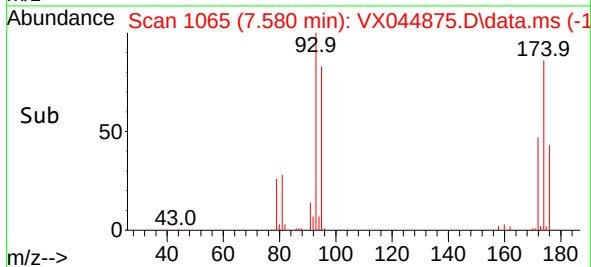
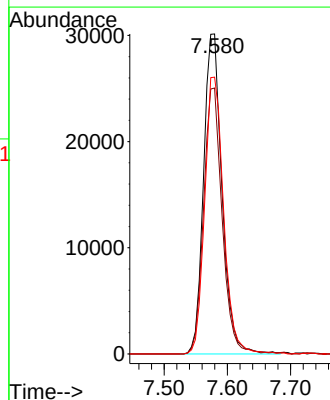
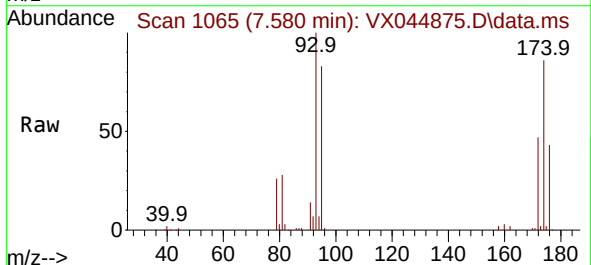
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

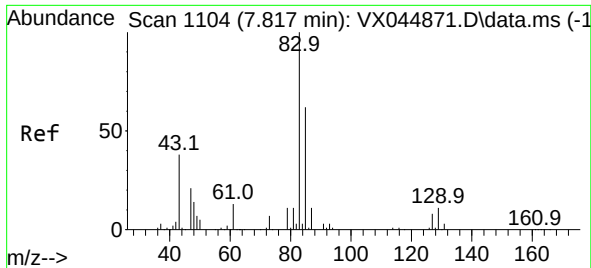
Tgt Ion: 63 Resp: 89992
Ion Ratio Lower Upper
63 100
65 29.3 24.2 36.4



#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

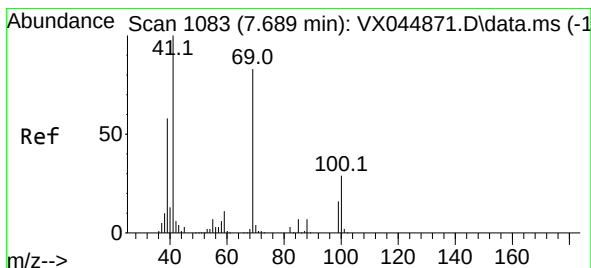
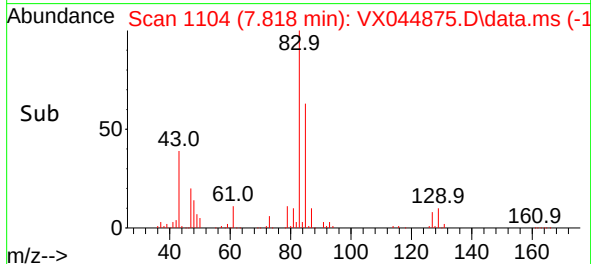
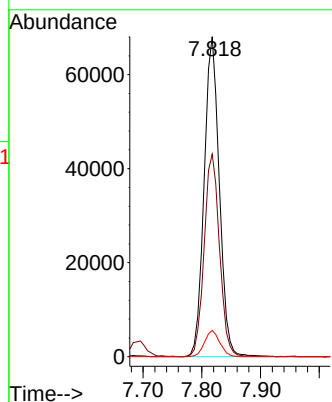
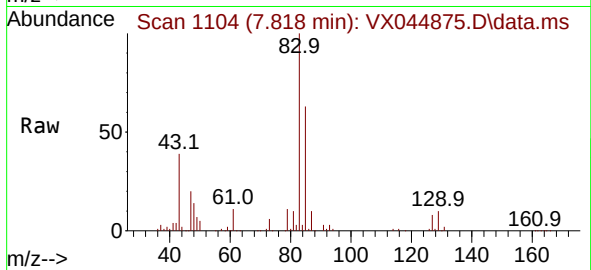




#47
Bromodichloromethane
Concen: 50.980 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

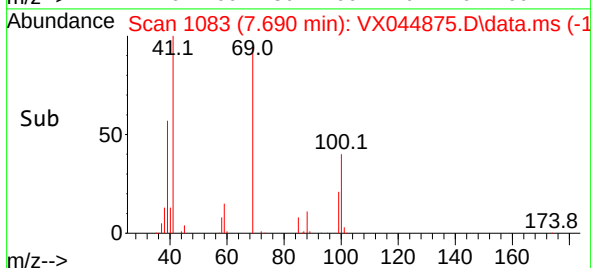
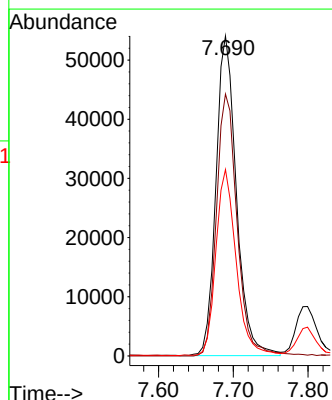
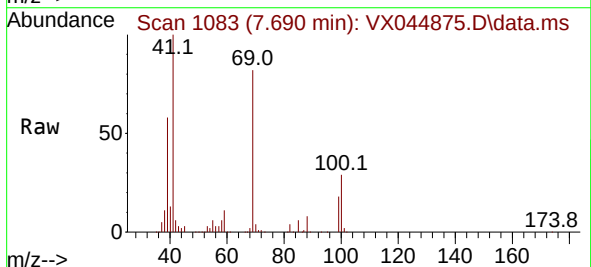
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

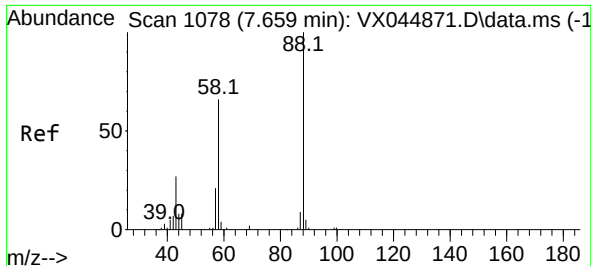
Tgt Ion: 83 Resp: 122265
Ion Ratio Lower Upper
83 100
85 63.3 50.0 75.0
127 8.2 6.4 9.6



#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



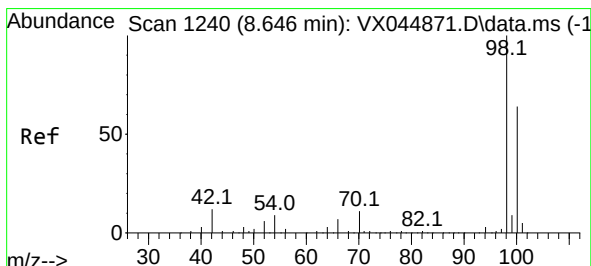
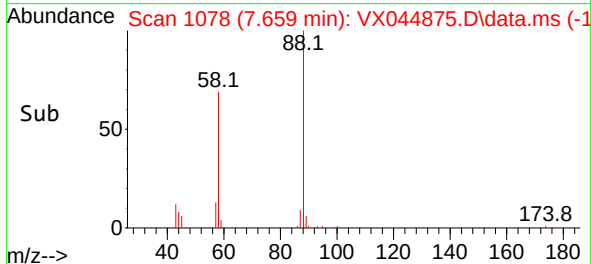
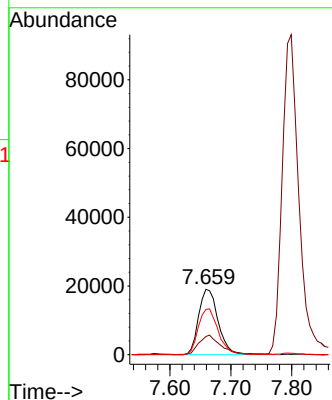
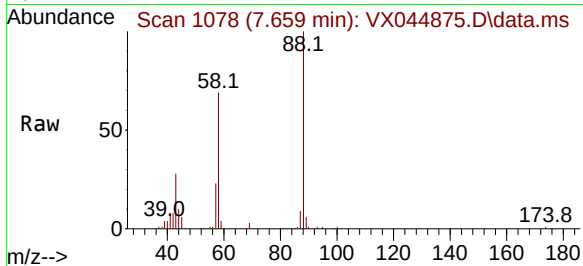


#49
1,4-Dioxane
Concen: 1021.138 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 88 Resp: 42658

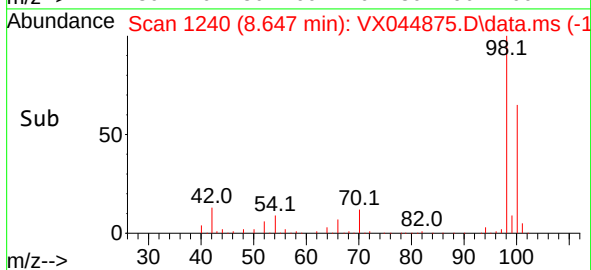
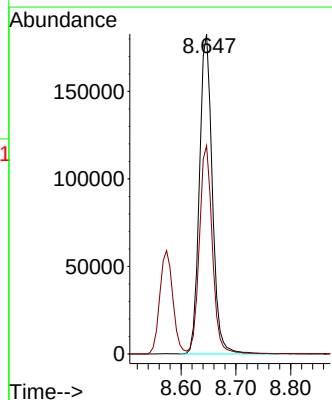
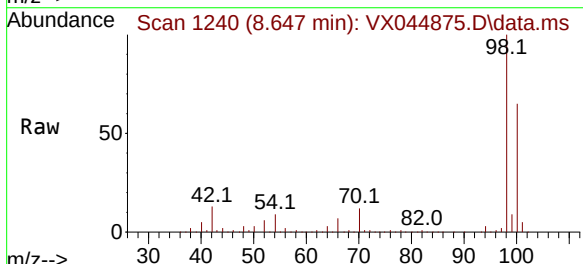
Ion	Ratio	Lower	Upper
88	100		
43	32.2	26.6	39.8
58	71.2	55.9	83.9

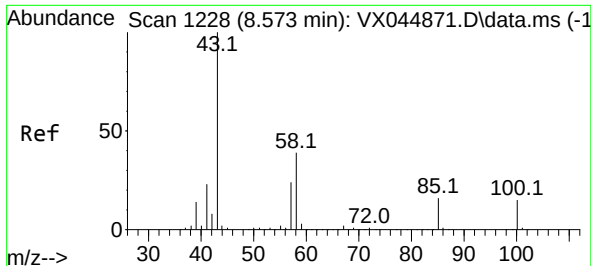


#50
Toluene-d8
Concen: 49.649 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 98 Resp: 299178

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1

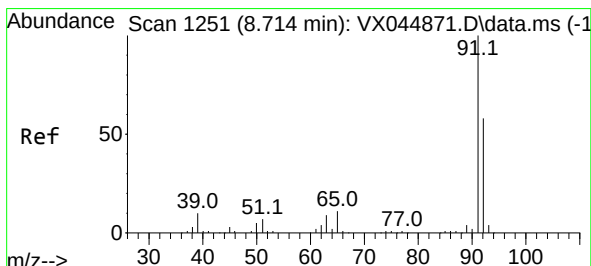
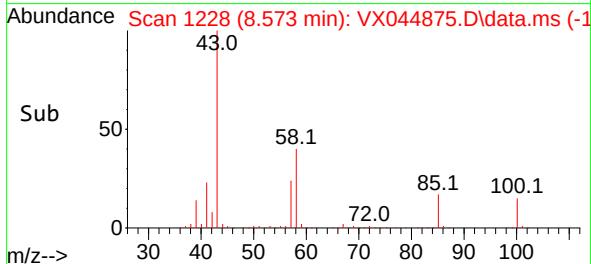
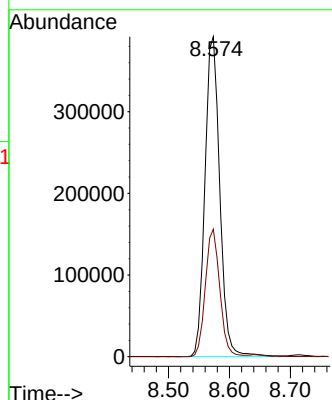
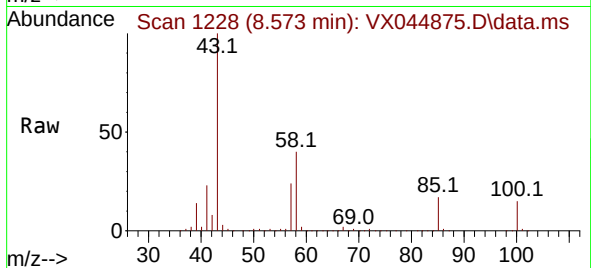




#51
4-Methyl-2-Pentanone
Concen: 265.112 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

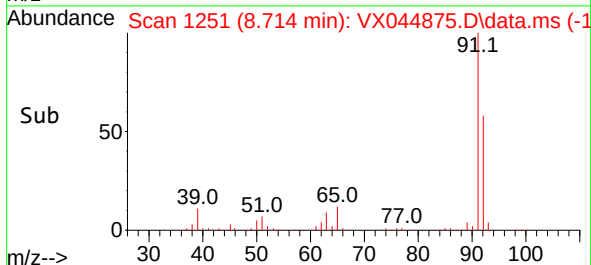
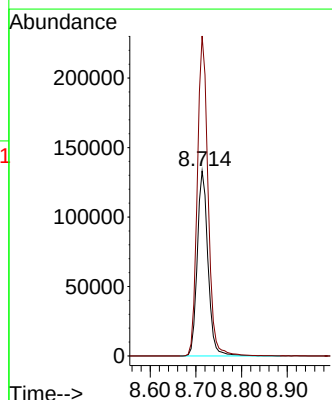
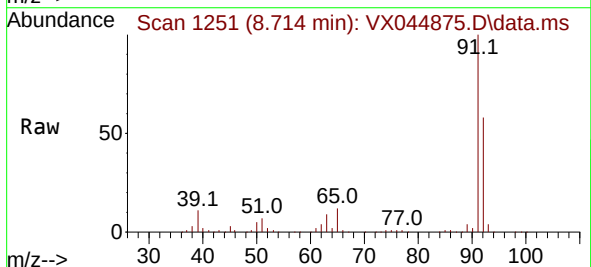
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

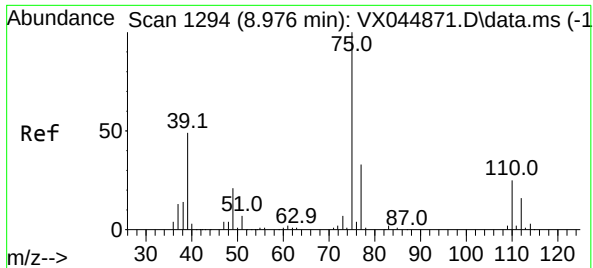
Tgt Ion: 43 Resp: 665564
Ion Ratio Lower Upper
43 100
58 38.7 30.8 46.2



#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 :

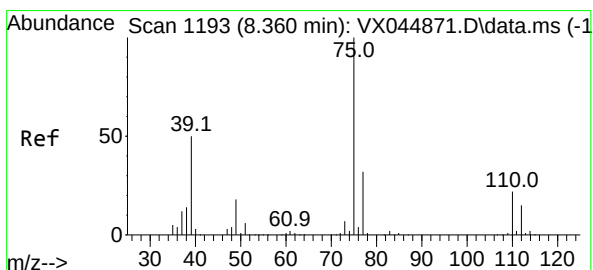
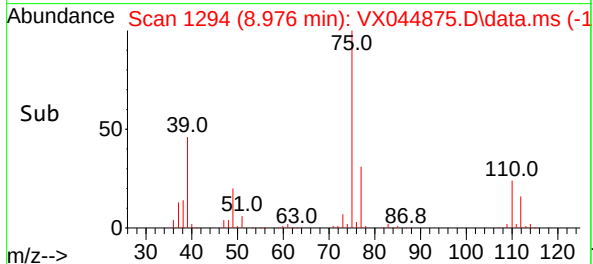
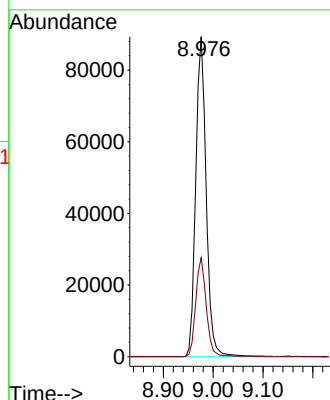
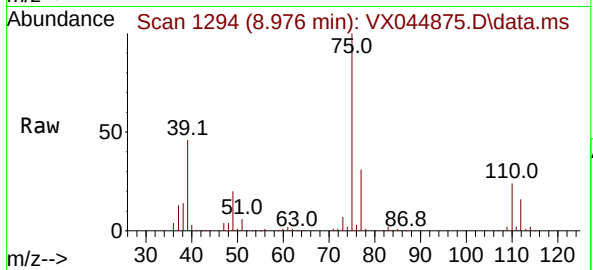
ICVVX021025

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

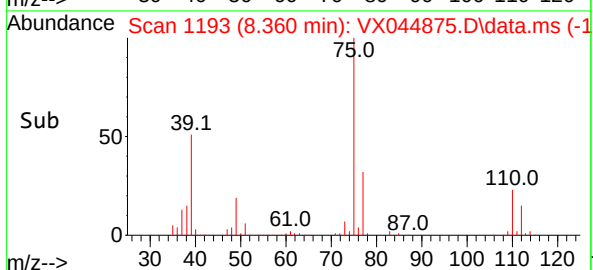
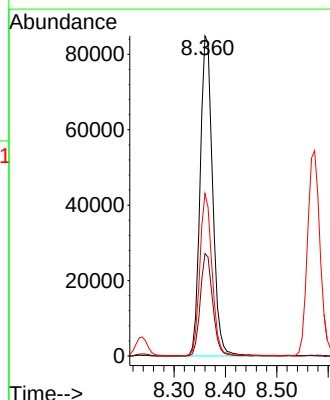
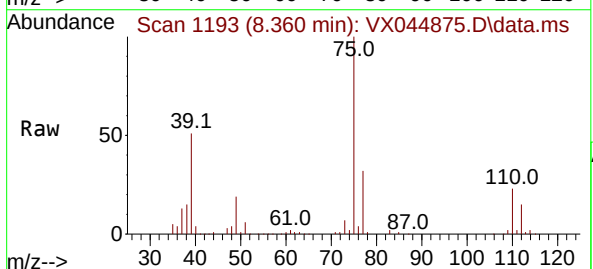
Tgt Ion: 75 Resp: 143379

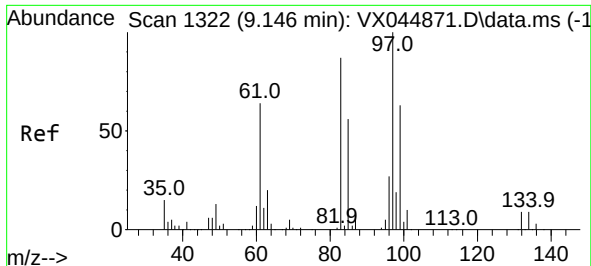
Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

39 50.6 40.0 60.0

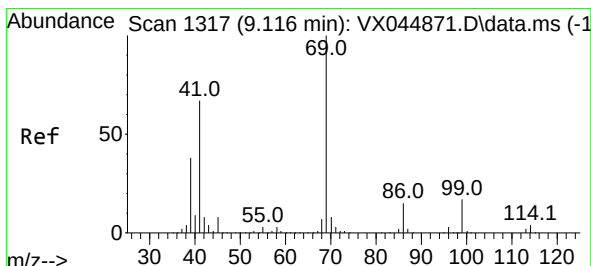
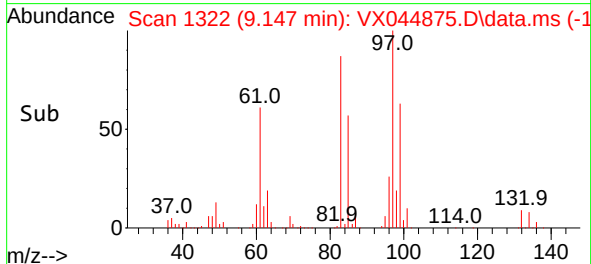
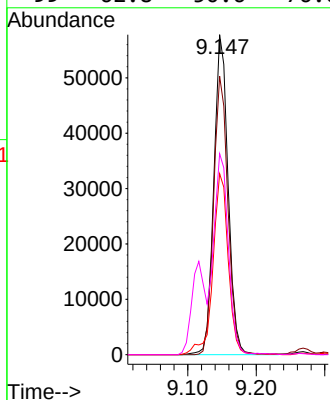
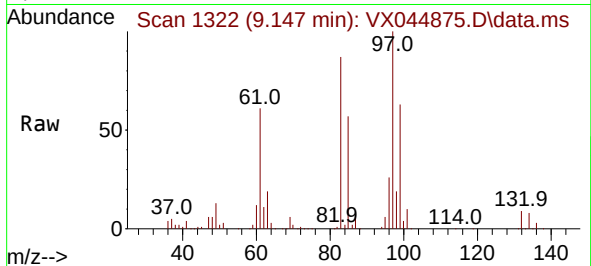




#55
 1,1,2-Trichloroethane
 Concen: 50.811 ug/l
 RT: 9.147 min Scan# 1322
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

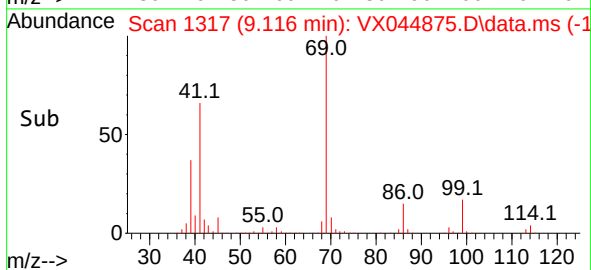
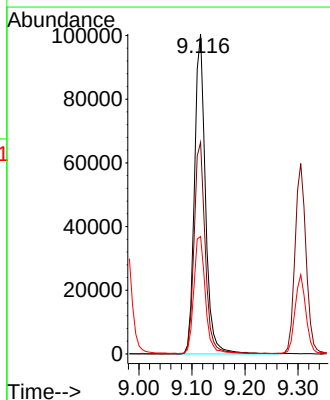
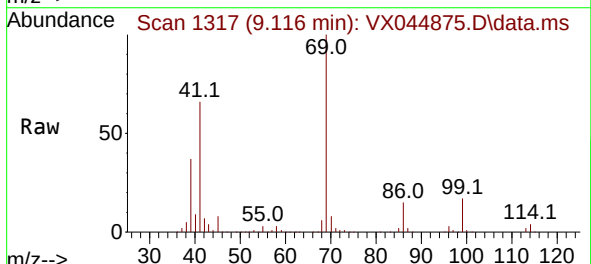
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

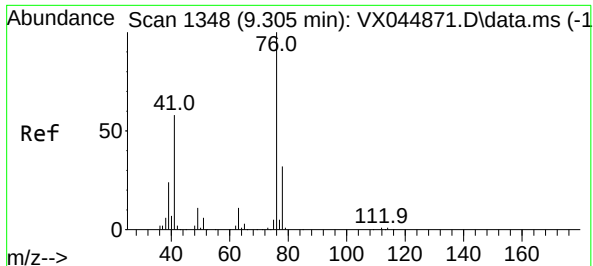
Tgt Ion:	97	Resp:	83510
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.8	104.6
85	56.6	44.8	67.2
99	62.8	50.6	76.0



#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 :

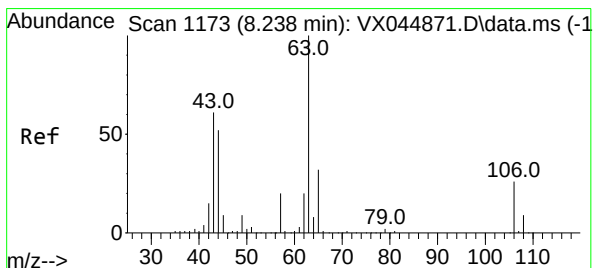
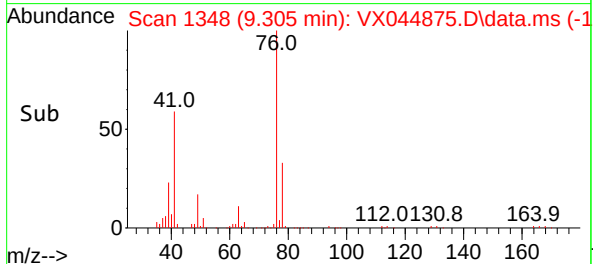
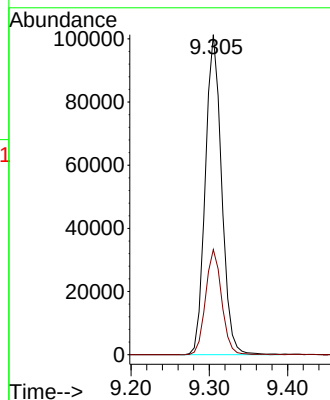
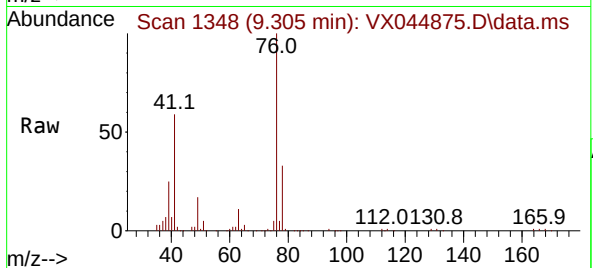
ICVVX021025

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

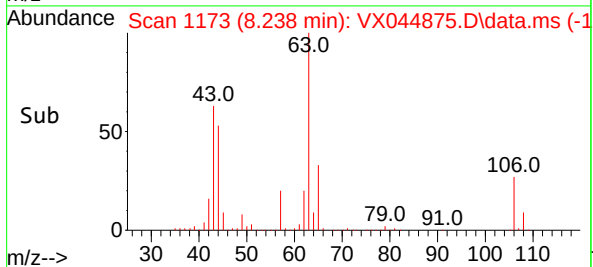
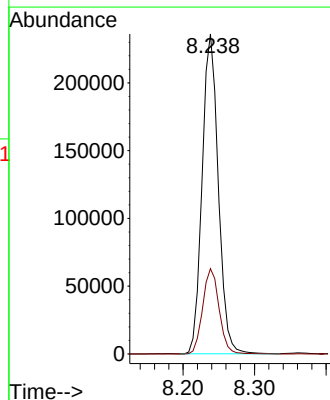
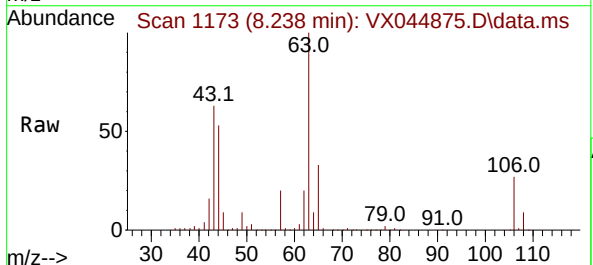
Acq: 10 Feb 2025 13:15

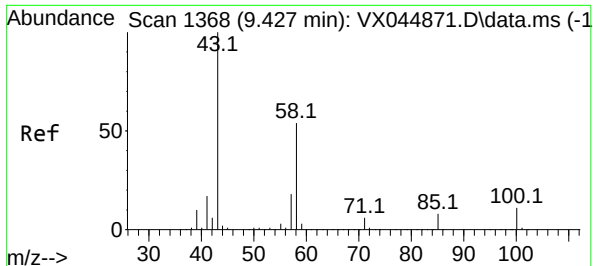
Tgt Ion: 63 Resp: 370622

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 :

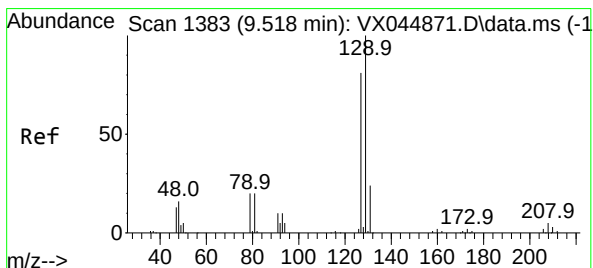
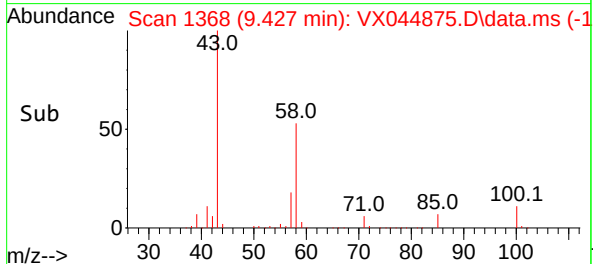
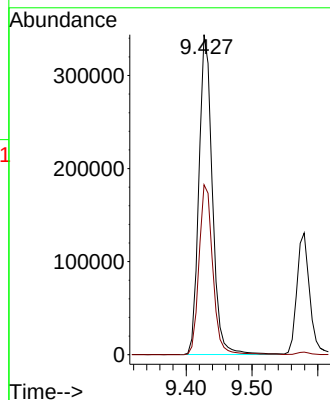
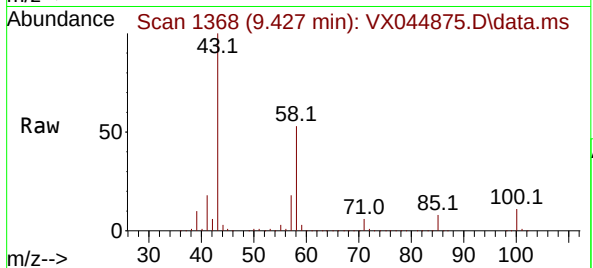
ICVX021025

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

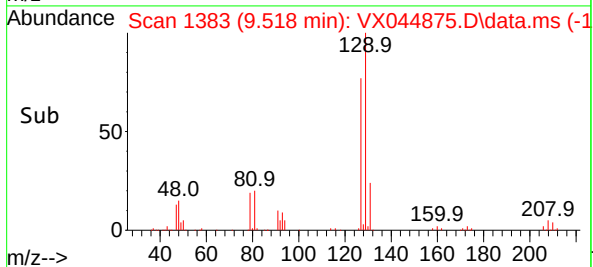
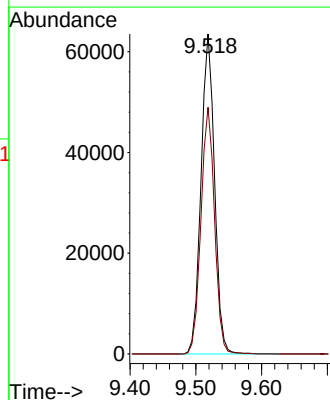
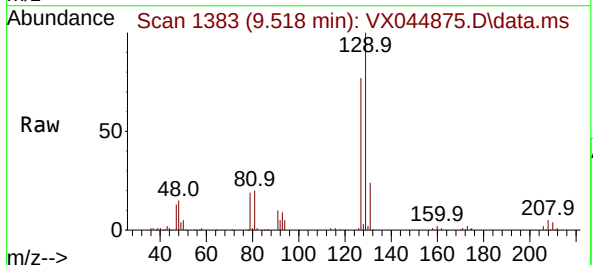
Acq: 10 Feb 2025 13:15

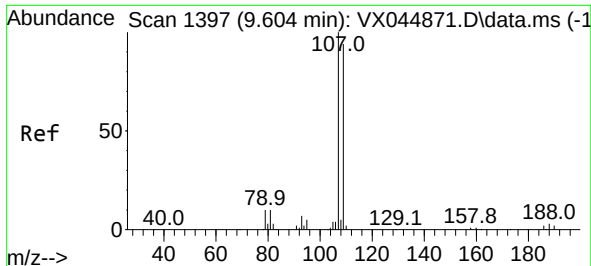
Tgt Ion: 129 Resp: 90826

Ion Ratio Lower Upper

129 100

127 77.5 39.1 117.3

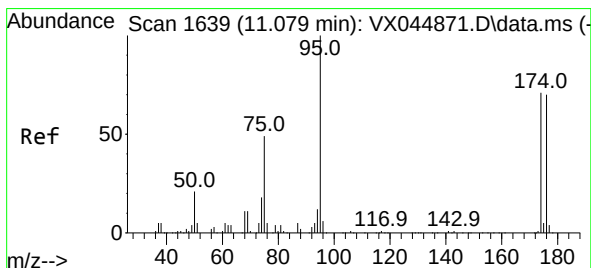
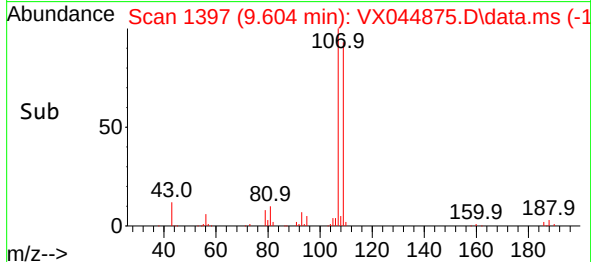
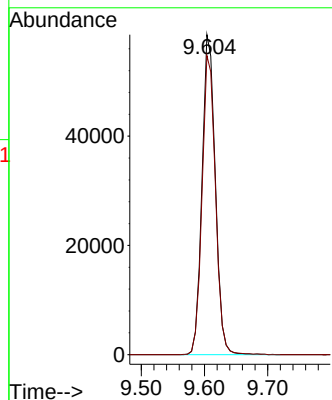
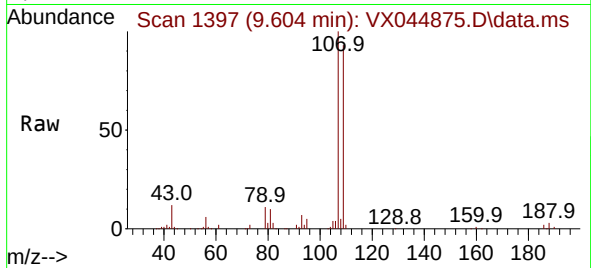




#61
1,2-Dibromoethane
Concen: 51.436 ug/l
RT: 9.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

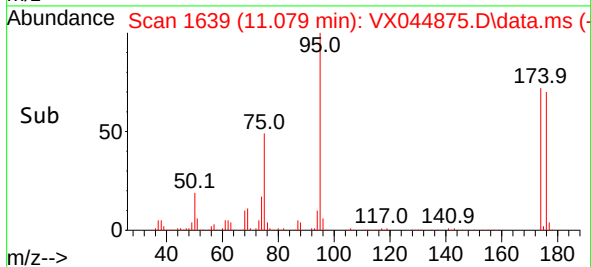
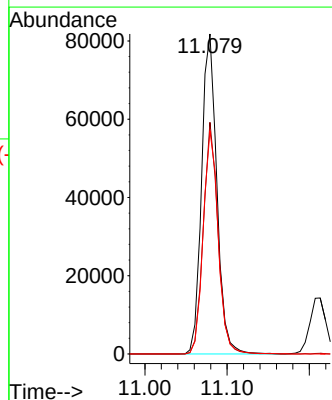
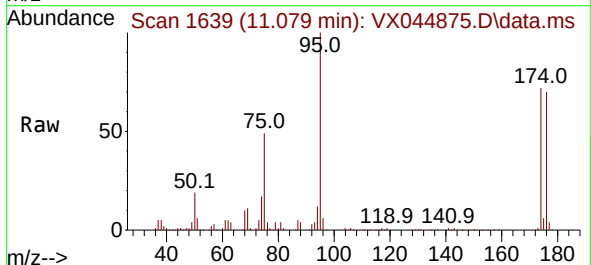
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

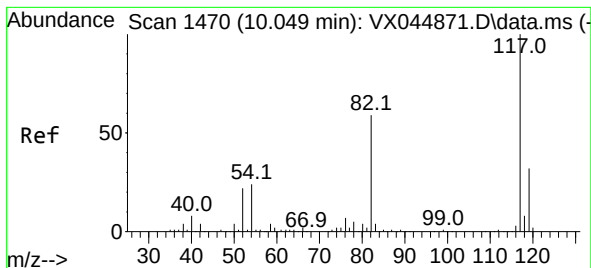
Tgt Ion:107 Resp: 85683
Ion Ratio Lower Upper
107 100
109 94.5 75.9 113.9



#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

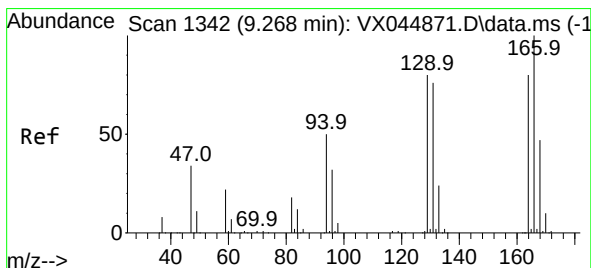
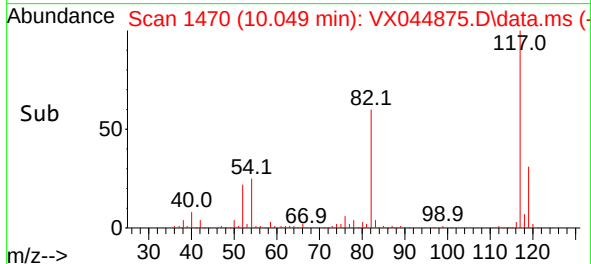
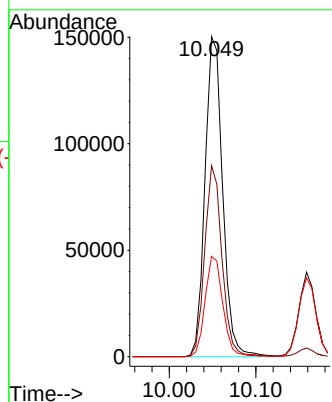
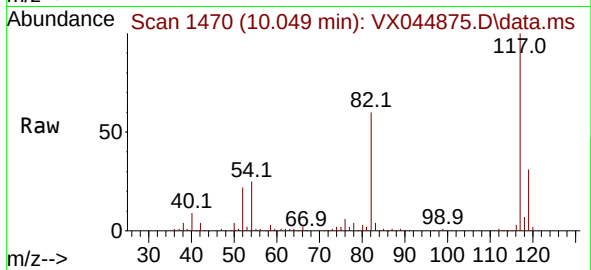




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

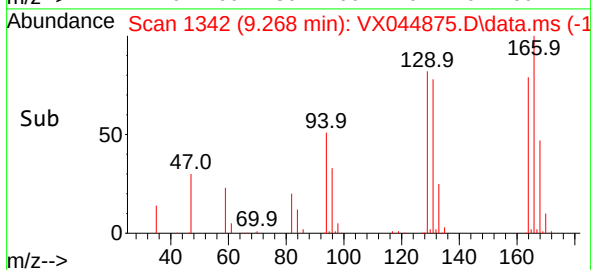
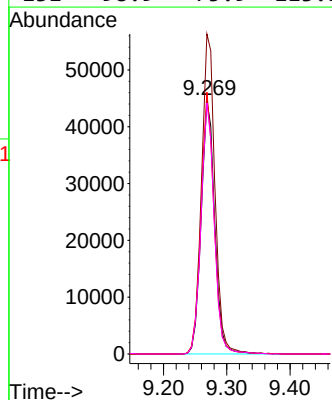
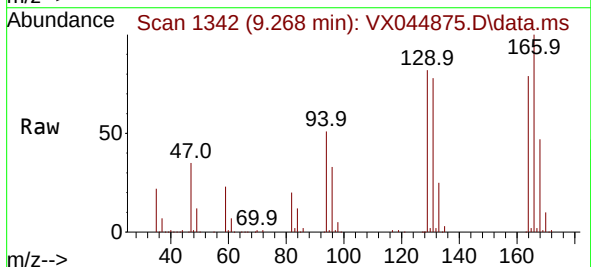
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

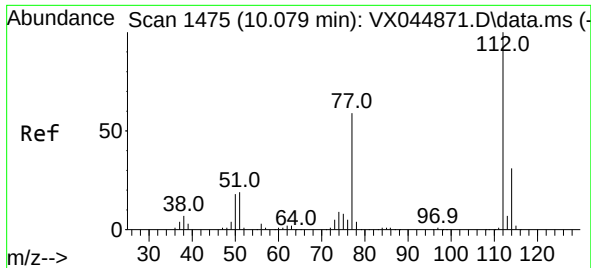
Tgt Ion:117 Resp: 213248
Ion Ratio Lower Upper
117 100
82 59.7 47.5 71.3
119 31.3 25.4 38.0



#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

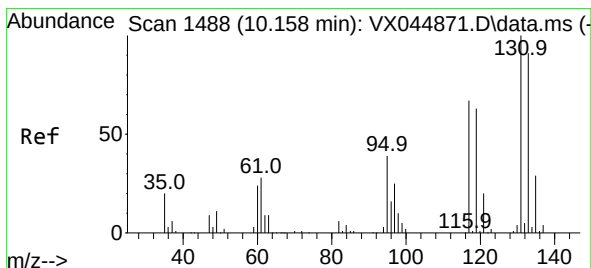
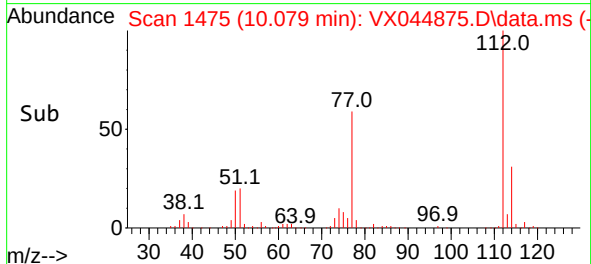
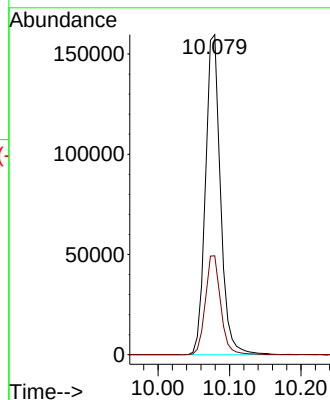
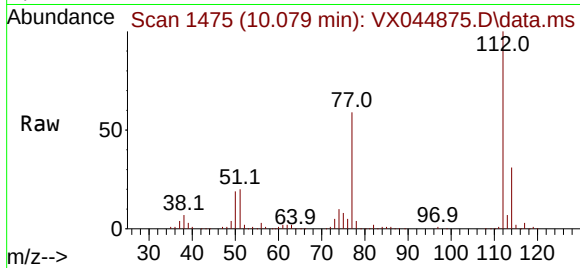




#65
Chlorobenzene
Concen: 50.952 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

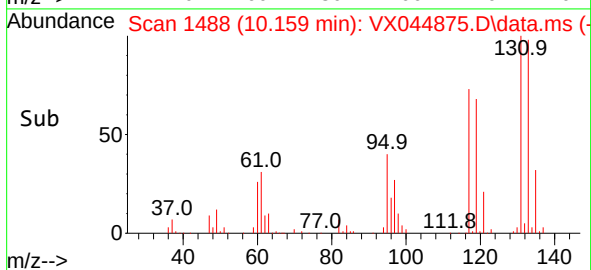
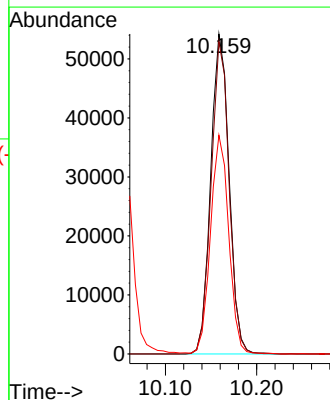
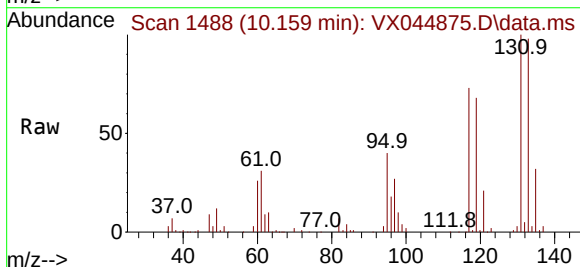
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

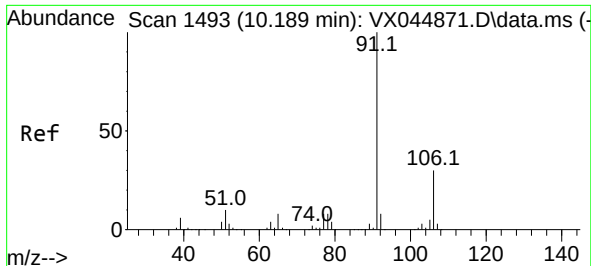
Tgt Ion:112 Resp: 233373
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.6



#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 :

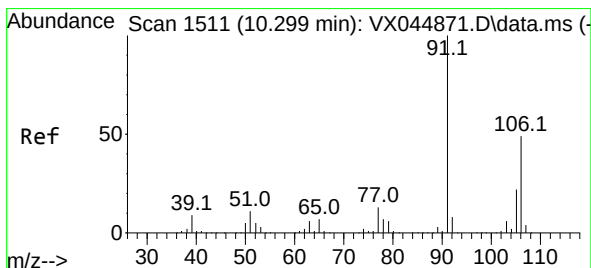
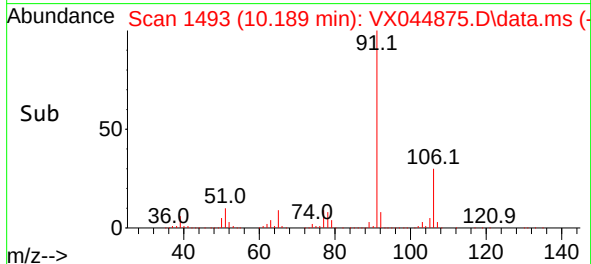
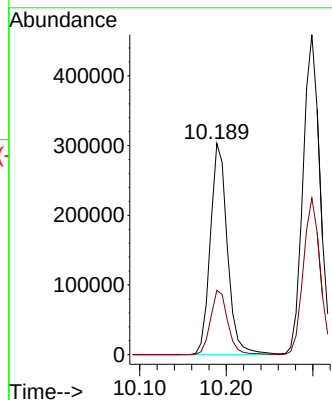
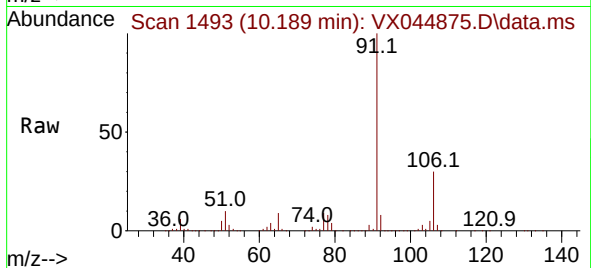
ICVVX021025

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

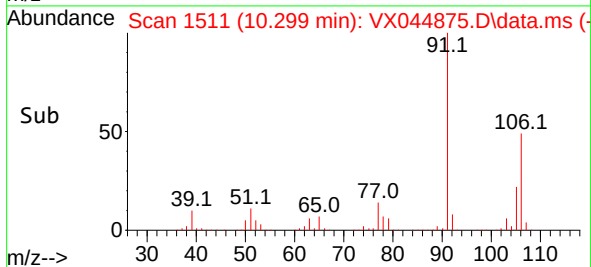
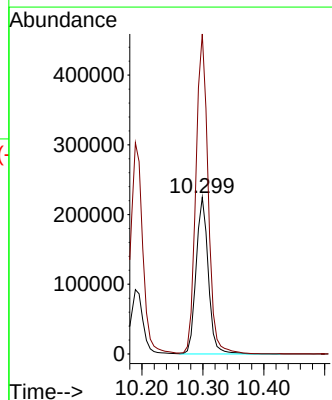
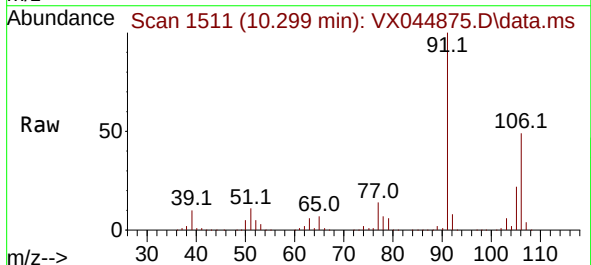
Acq: 10 Feb 2025 13:15

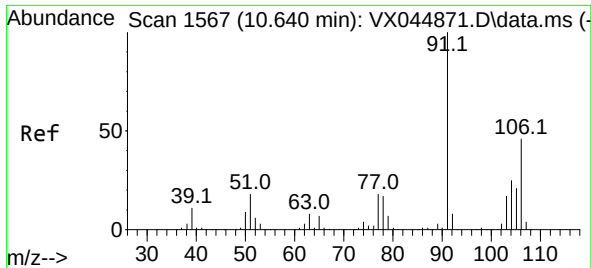
Tgt Ion:106 Resp: 310925

Ion Ratio Lower Upper

106 100

91 205.2 164.3 246.5

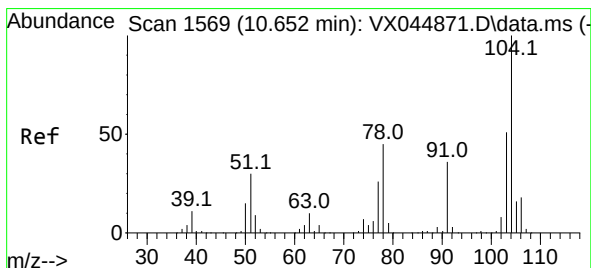
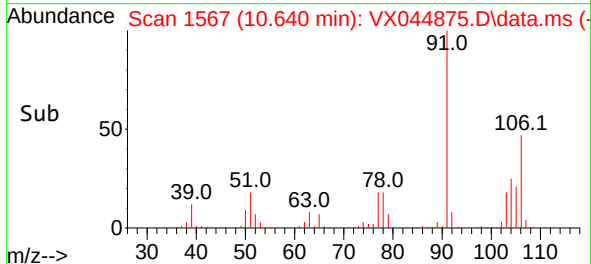
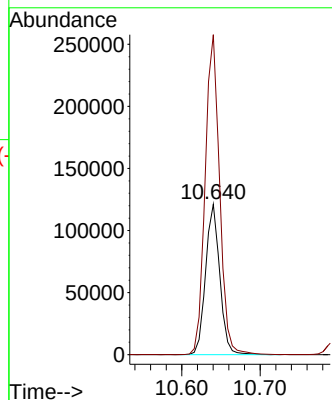
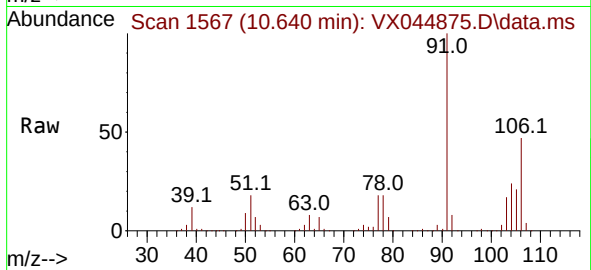




#69
o-Xylene
Concen: 50.804 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

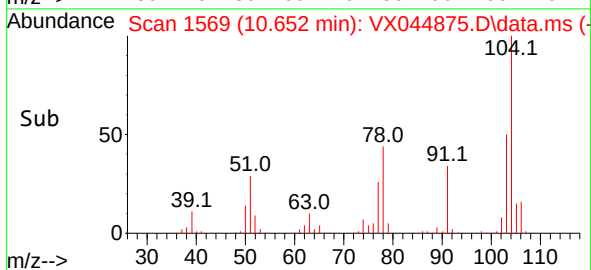
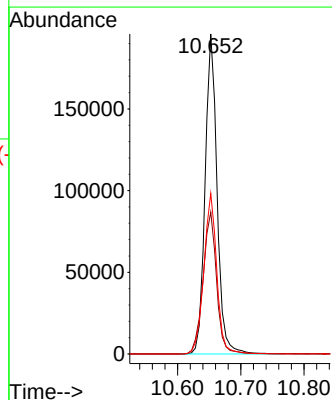
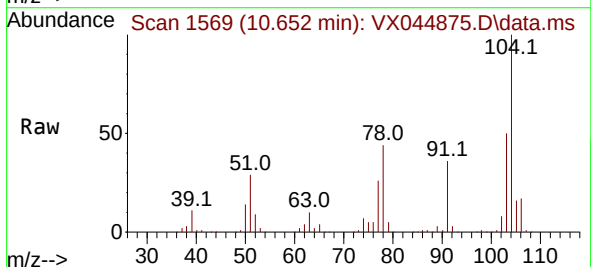
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

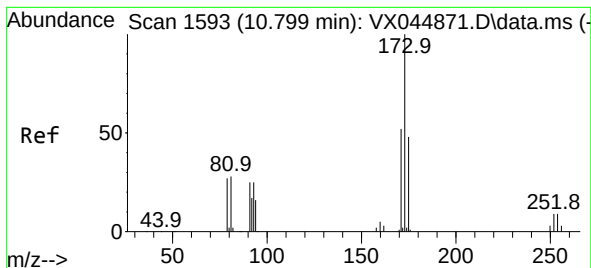
Tgt Ion:106 Resp: 151995
Ion Ratio Lower Upper
106 100
91 217.1 108.5 325.5



#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

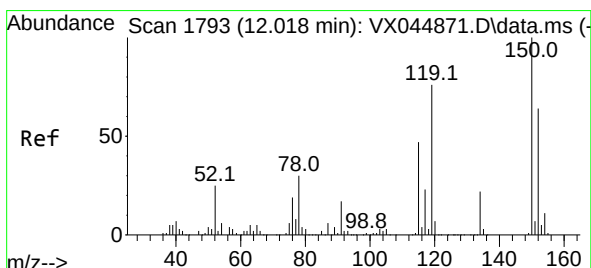
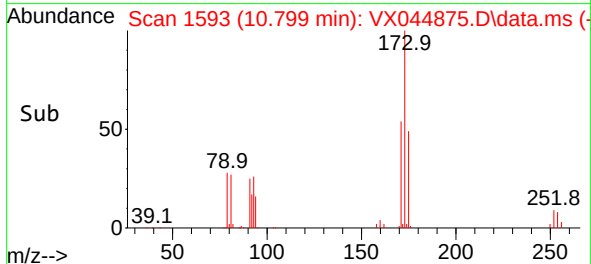
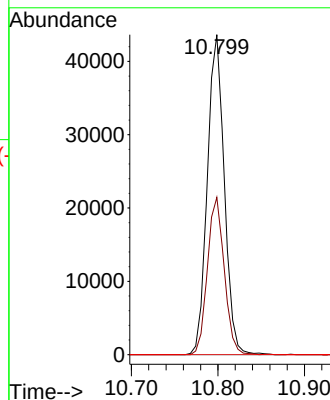
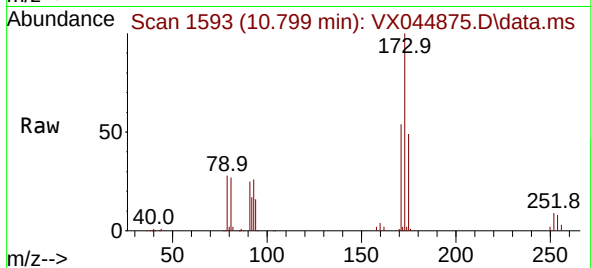
Tgt Ion:173 Resp: 59409

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

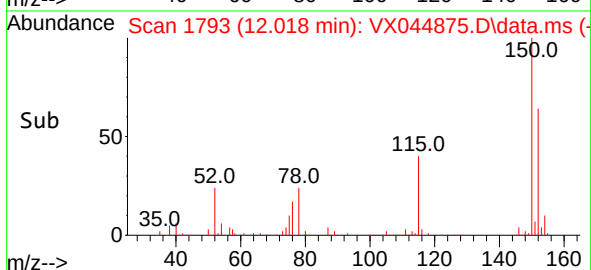
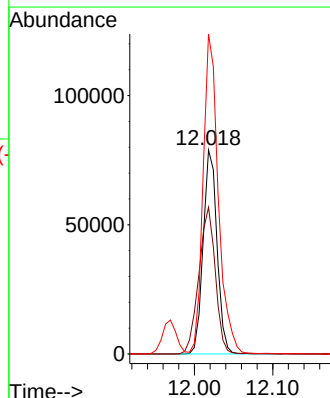
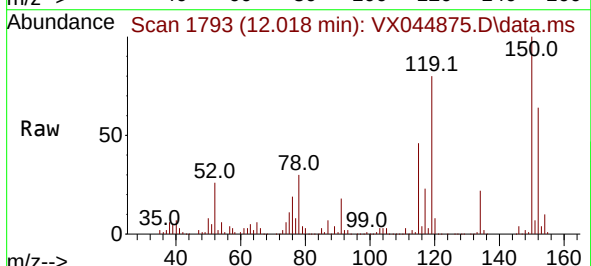
Tgt Ion:152 Resp: 97087

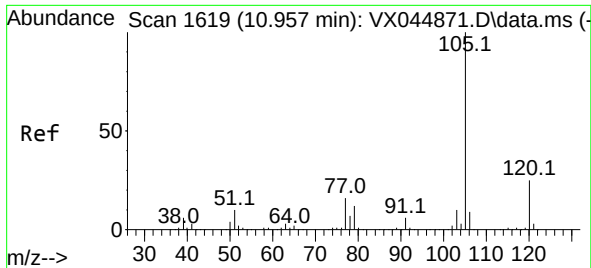
Ion Ratio Lower Upper

152 100

115 85.5 43.4 130.1

150 171.8 0.0 350.4

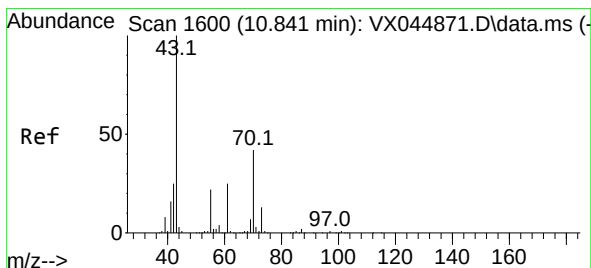
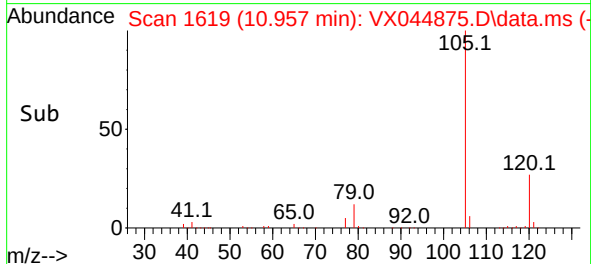
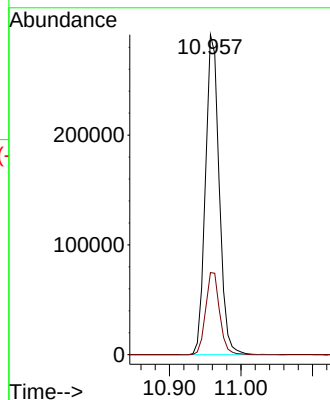
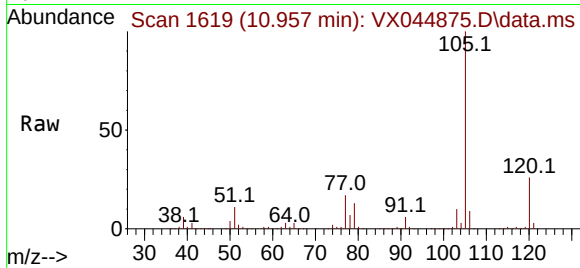




#73
Isopropylbenzene
Concen: 49.921 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

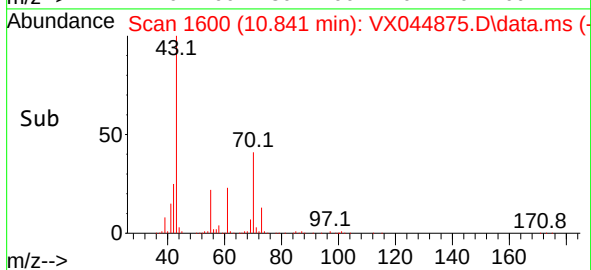
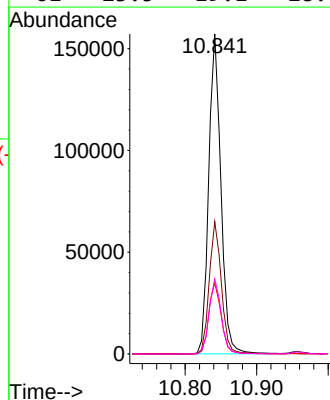
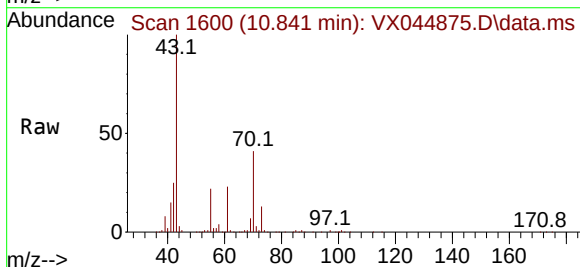
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

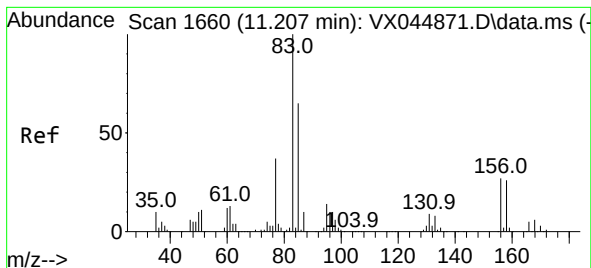
Tgt Ion:105 Resp: 390246
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.5



#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

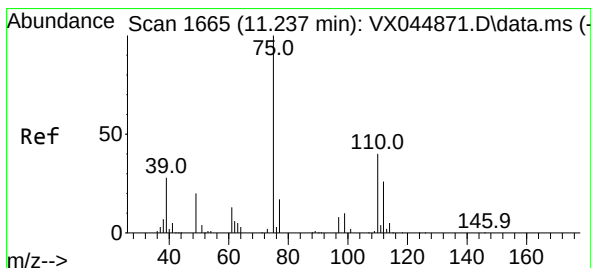
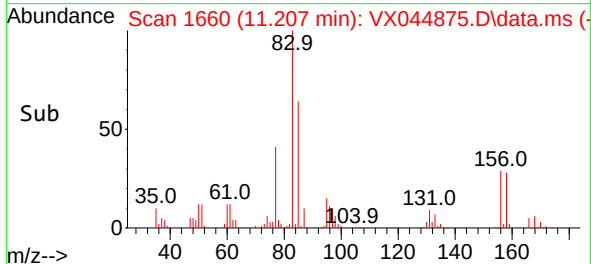
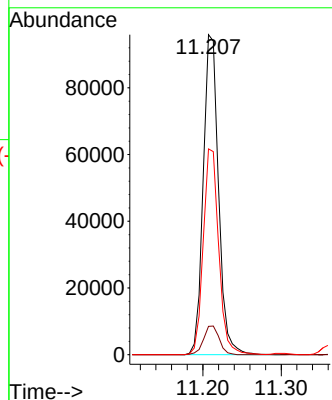
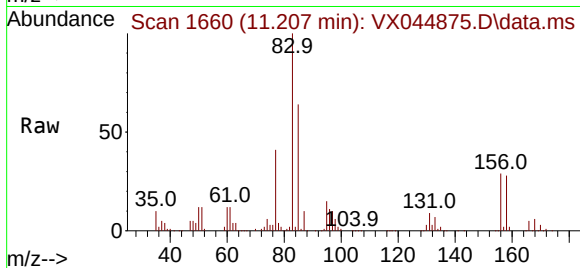




#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.331 ug/l
 RT: 11.207 min Scan# 1660
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

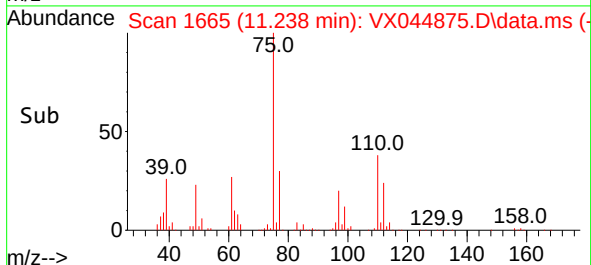
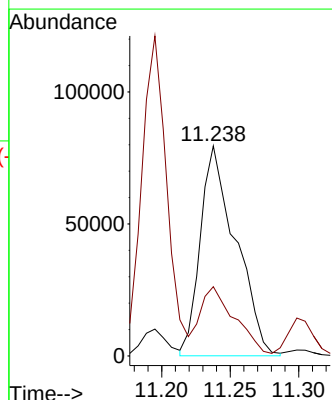
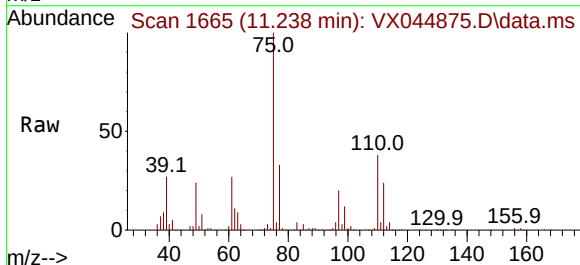
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

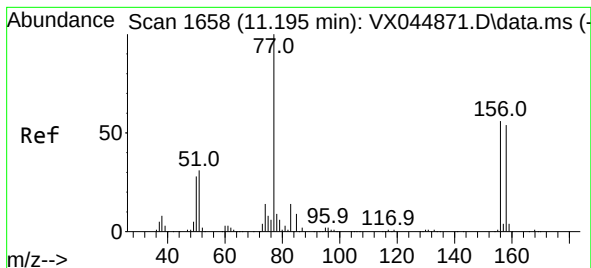
Tgt Ion: 83 Resp: 129829
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.5 13.5
 85 65.1 32.3 96.8



#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

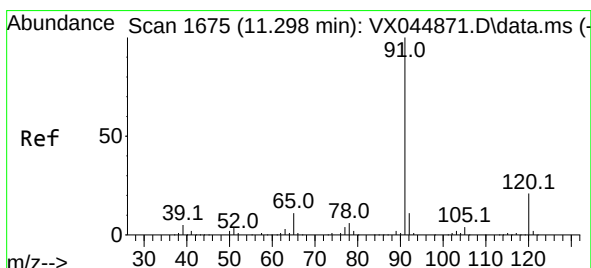
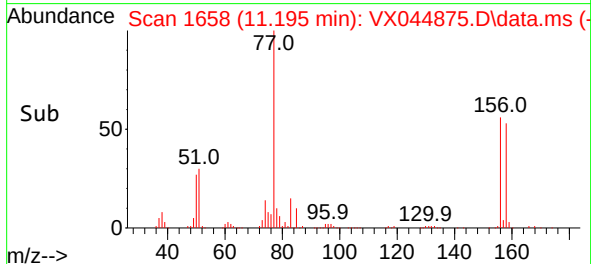
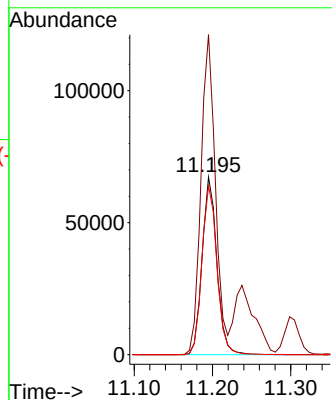
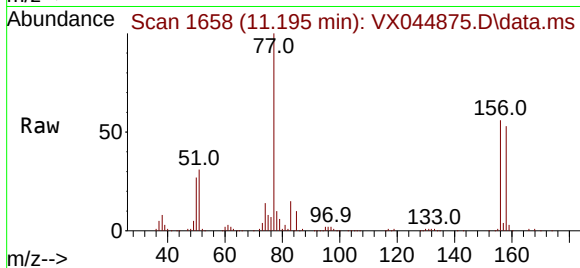
Tgt Ion:156 Resp: 88129

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

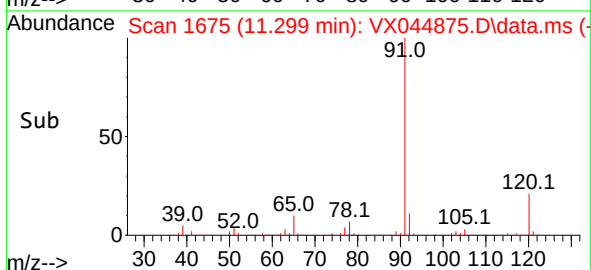
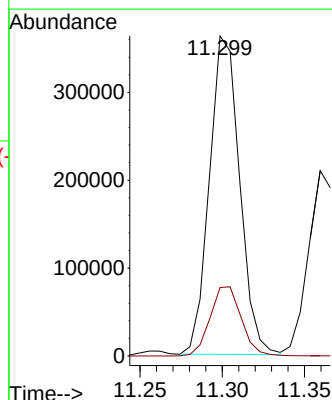
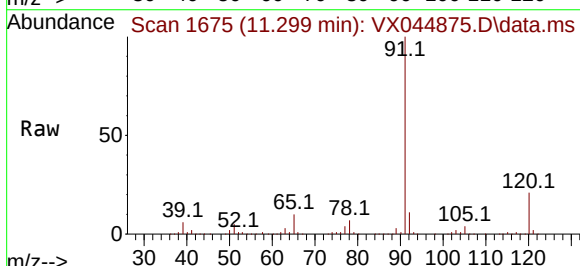
Acq: 10 Feb 2025 13:15

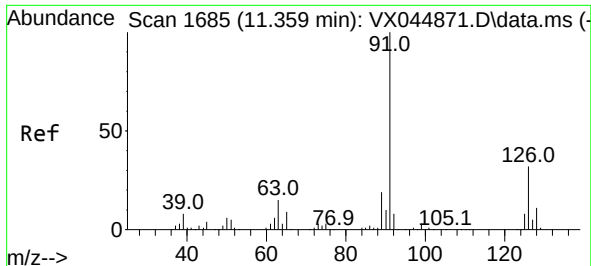
Tgt Ion: 91 Resp: 463655

Ion Ratio Lower Upper

91 100

120 22.5 11.1 33.3

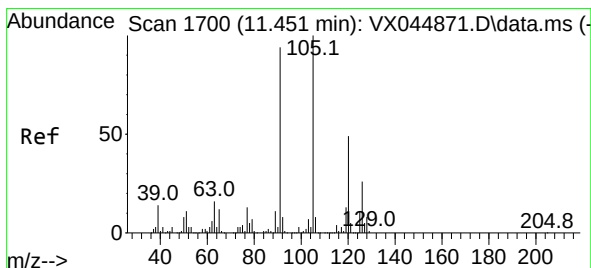
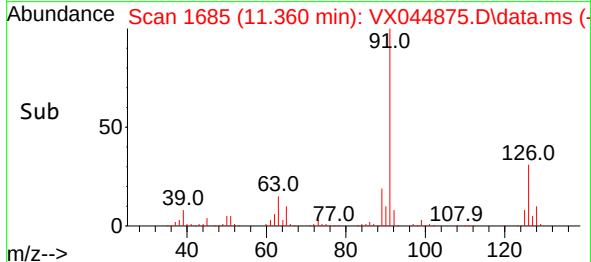
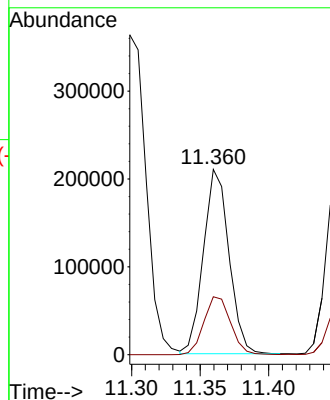
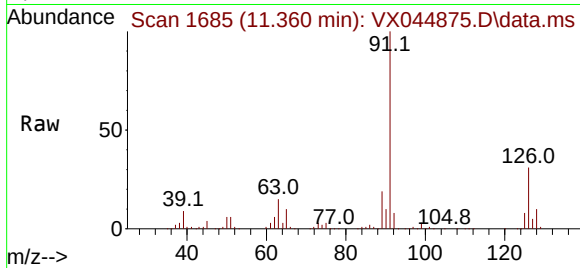




#79
2-Chlorotoluene
Concen: 49.065 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

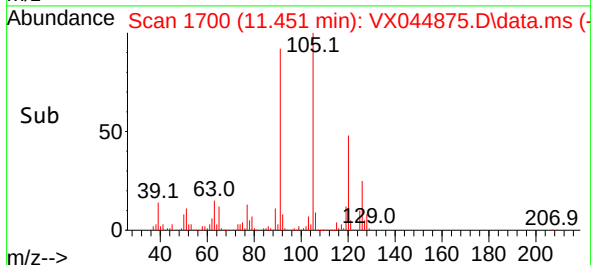
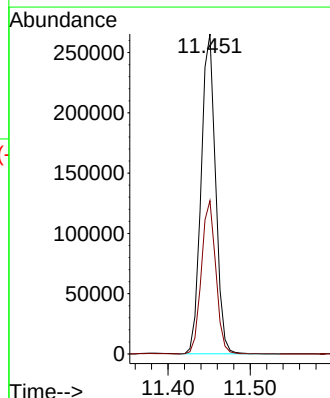
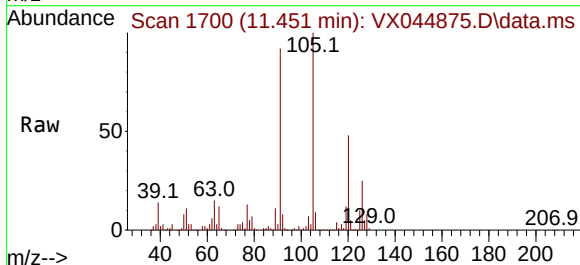
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

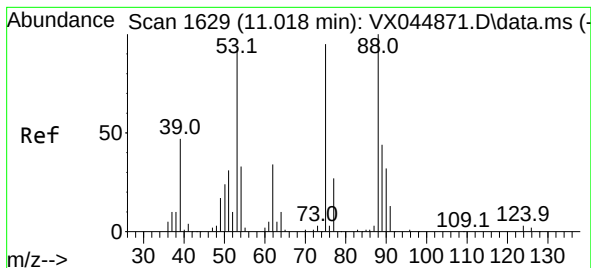
Tgt Ion: 91 Resp: 272091
Ion Ratio Lower Upper
91 100
126 33.0 16.2 48.6



#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

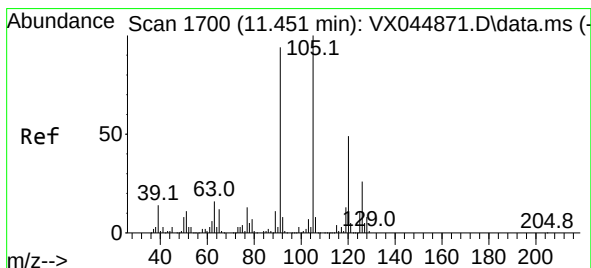
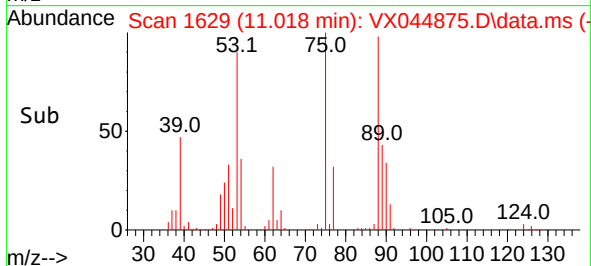
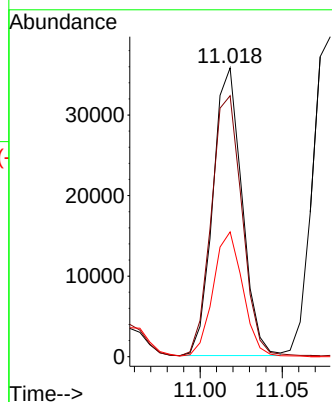
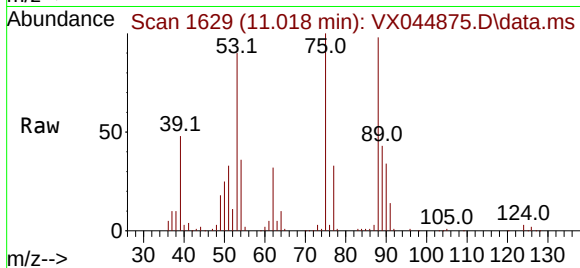




#81
trans-1,4-Dichloro-2-butene
Concen: 52.665 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

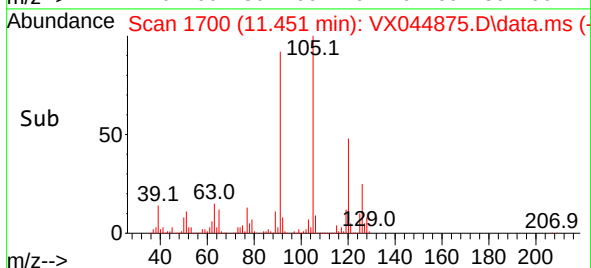
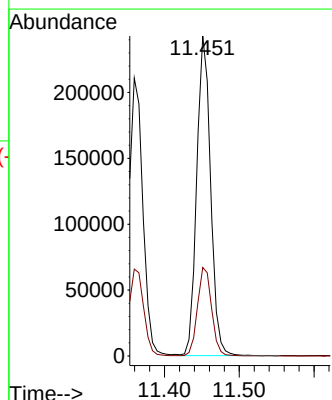
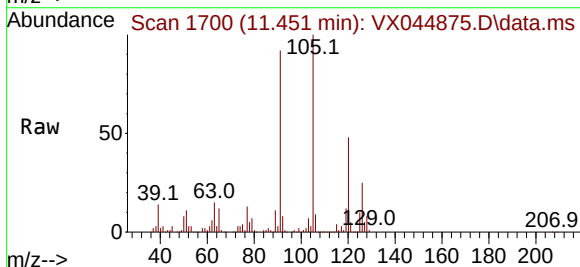
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

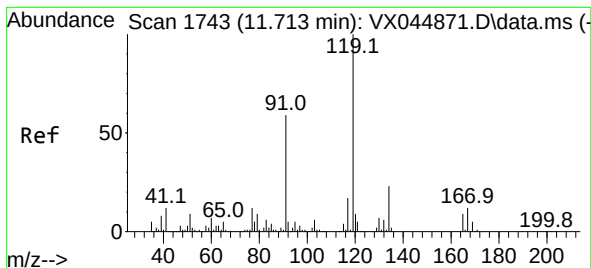
Tgt Ion: 75 Resp: 44070
Ion Ratio Lower Upper
75 100
53 96.9 78.0 117.0
89 44.3 36.6 54.8



#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# 11

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

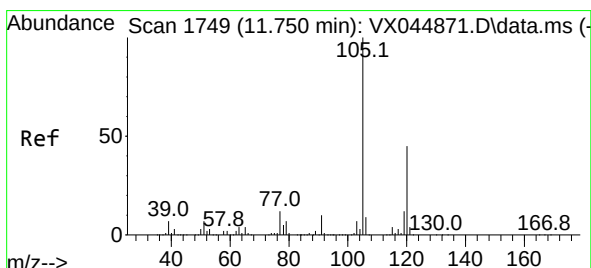
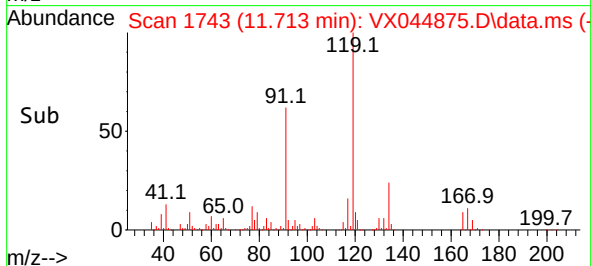
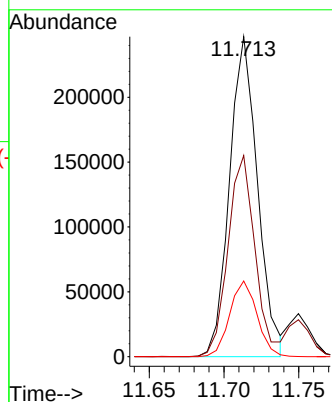
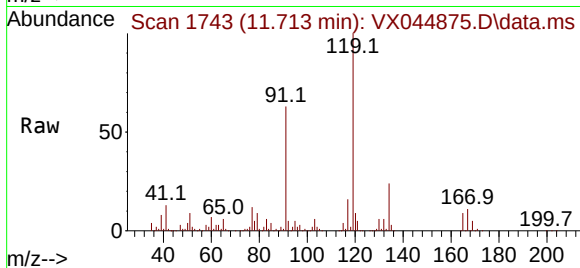
Tgt Ion:119 Resp: 321772

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

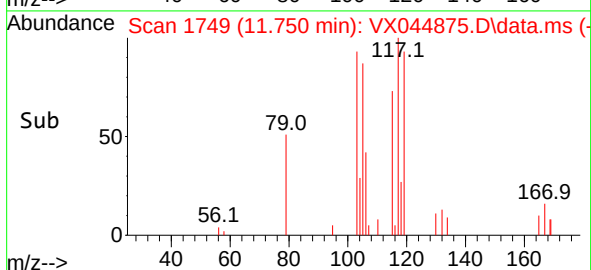
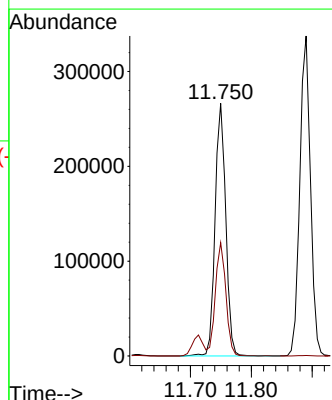
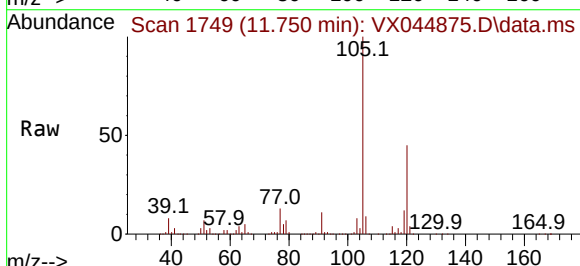
Acq: 10 Feb 2025 13:15

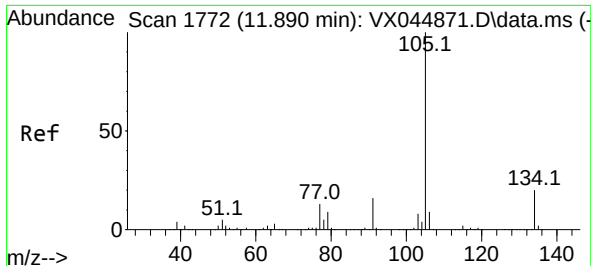
Tgt Ion:105 Resp: 323035

Ion Ratio Lower Upper

105 100

120 44.4 22.4 67.0

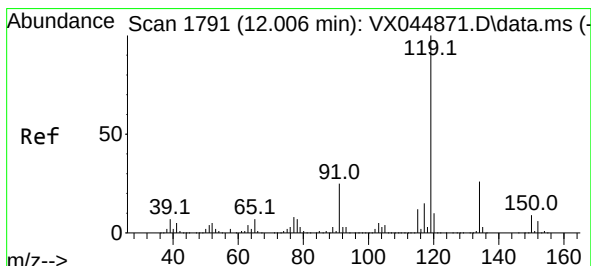
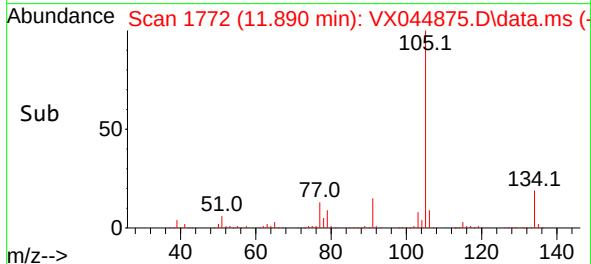
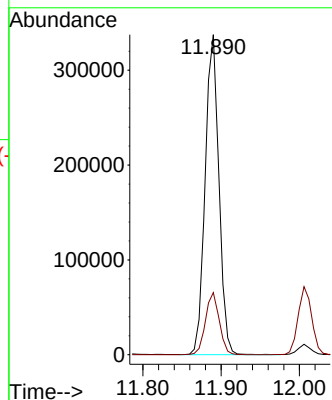
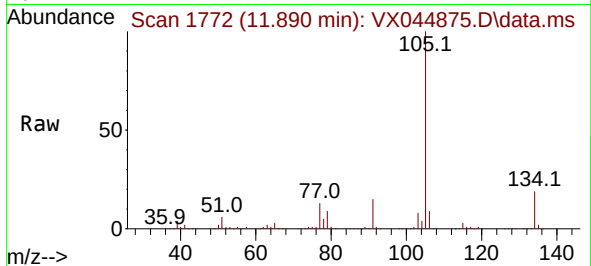




#85
 sec-Butylbenzene
 Concen: 51.617 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

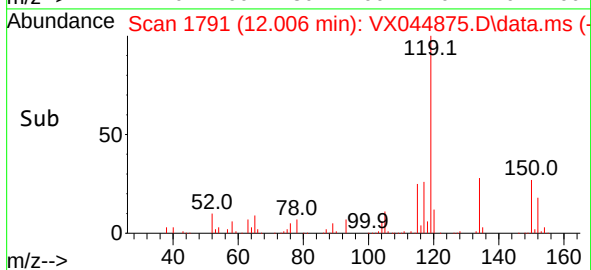
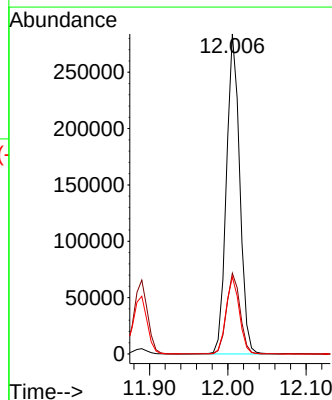
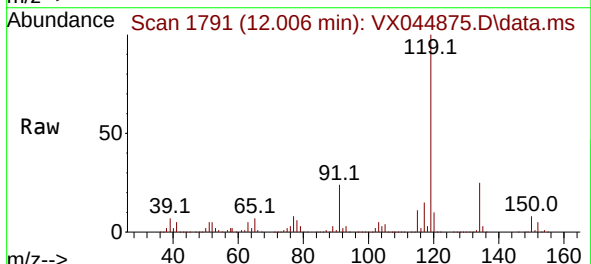
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

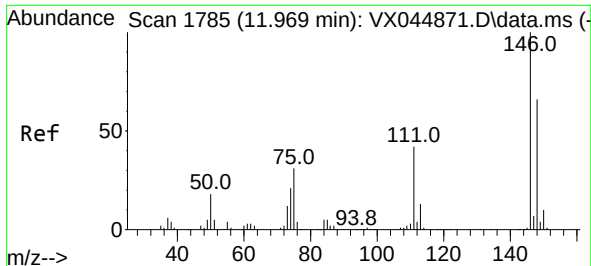
Tgt Ion:105 Resp: 410197
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.3



#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

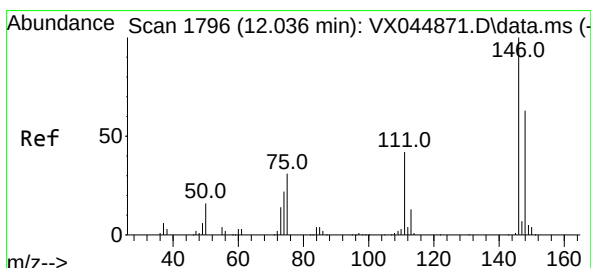
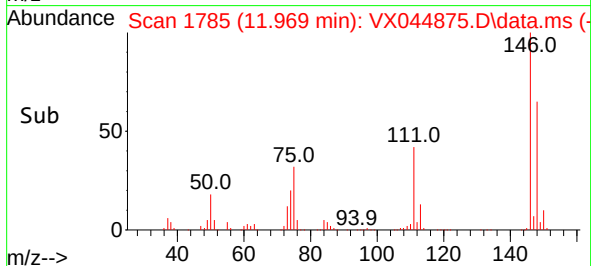
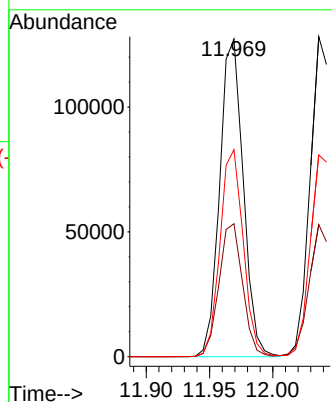
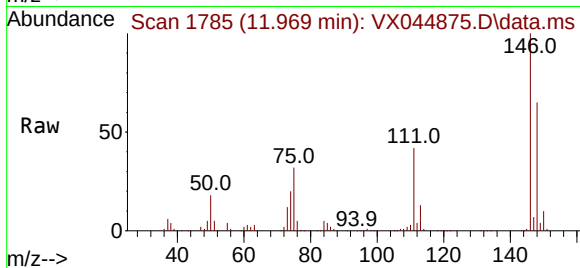
Tgt Ion:146 Resp: 164508

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

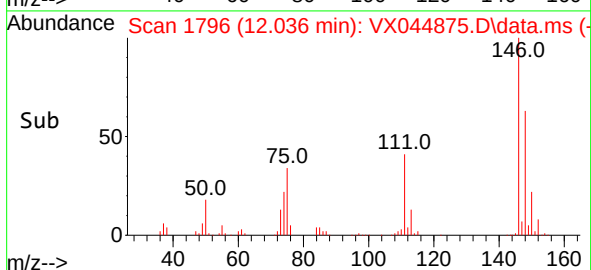
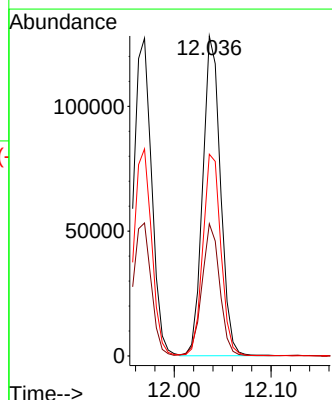
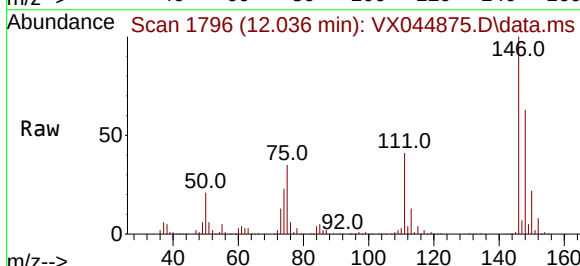
Tgt Ion:146 Resp: 163203

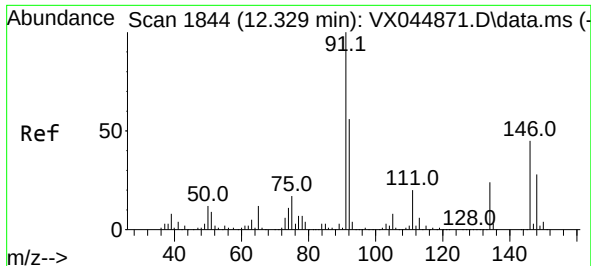
Ion Ratio Lower Upper

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 :

ICVVX021025

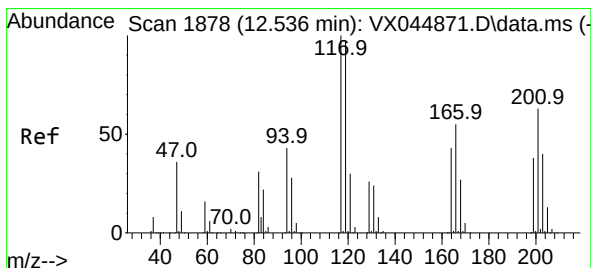
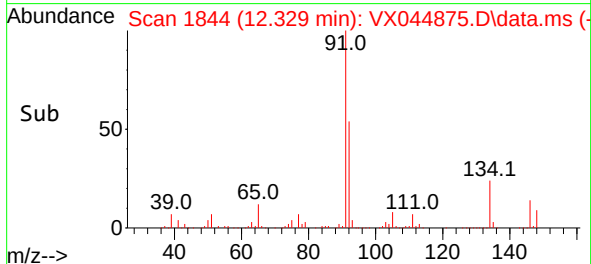
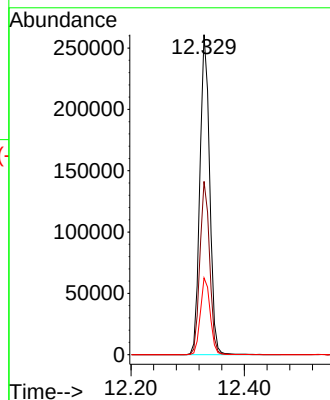
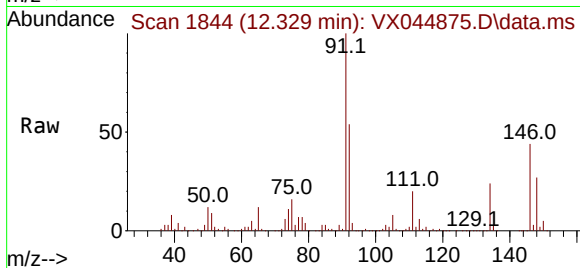
Tgt Ion: 91 Resp: 311764

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

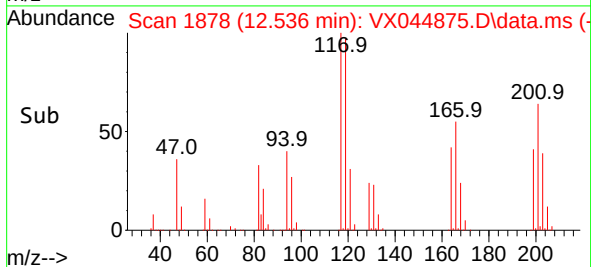
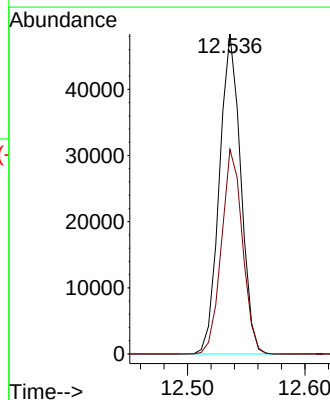
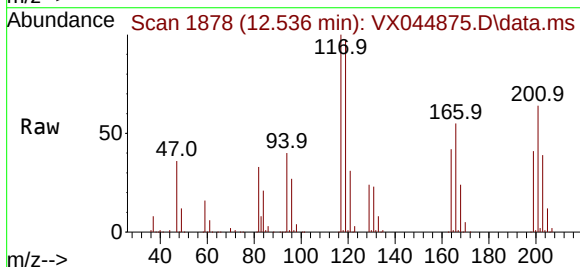
Acq: 10 Feb 2025 13:15

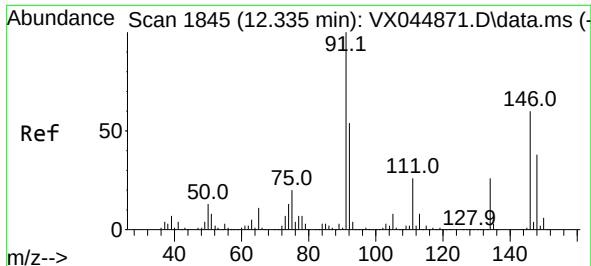
Tgt Ion: 117 Resp: 61016

Ion Ratio Lower Upper

117 100

201 63.1 32.5 97.5

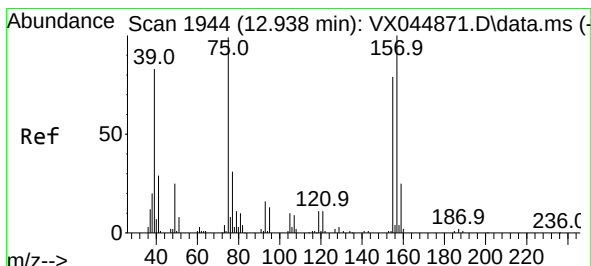
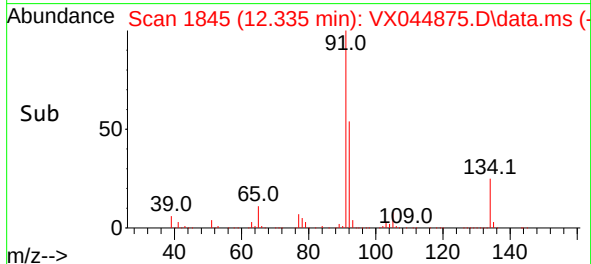
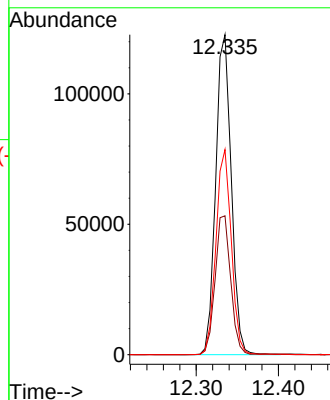
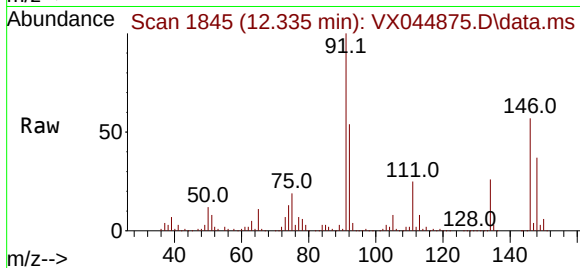




#91
1,2-Dichlorobenzene
Concen: 50.447 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

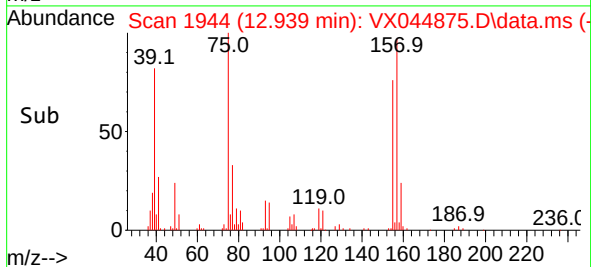
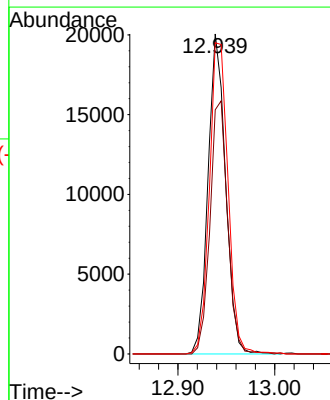
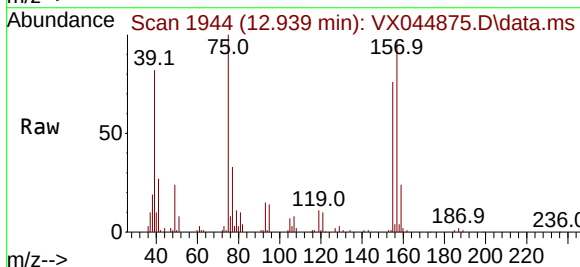
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

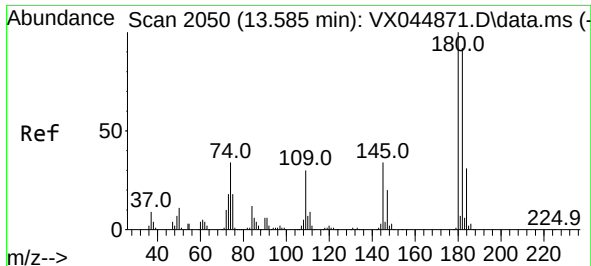
Tgt Ion:146 Resp: 161590
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.4
148 63.3 31.9 95.9



#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

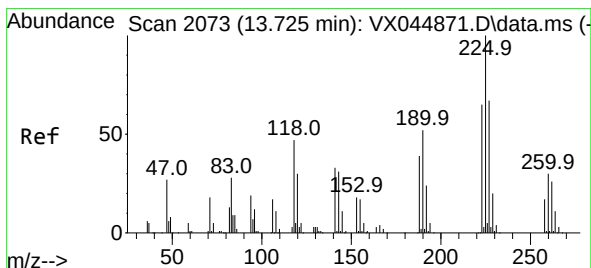
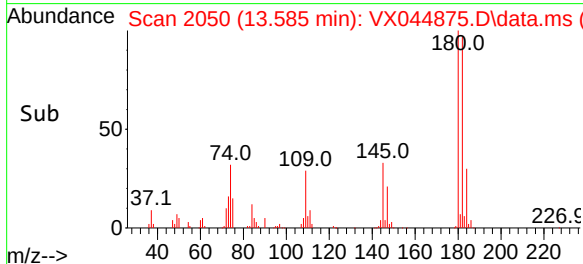
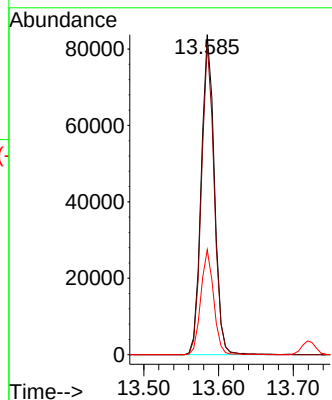
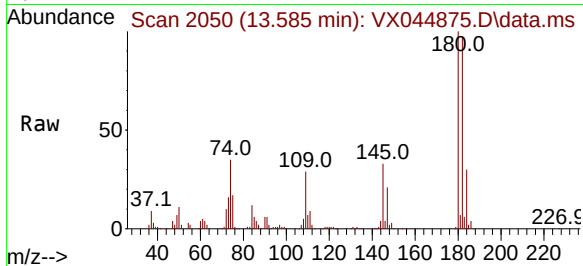




#93
1,2,4-Trichlorobenzene
Concen: 52.726 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

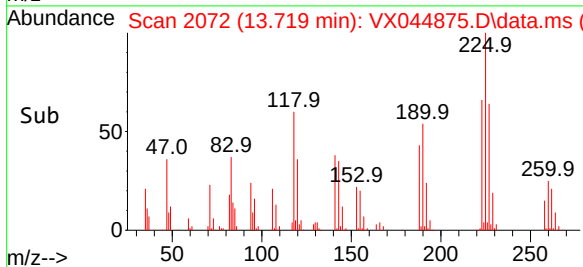
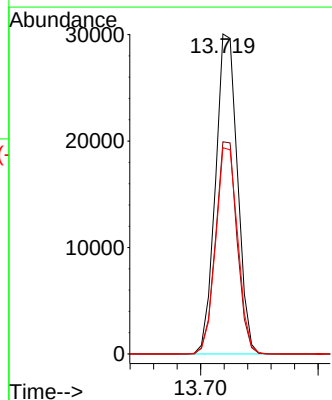
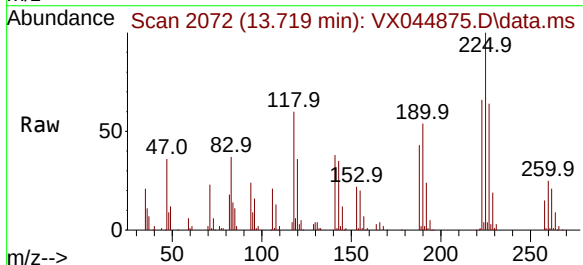
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

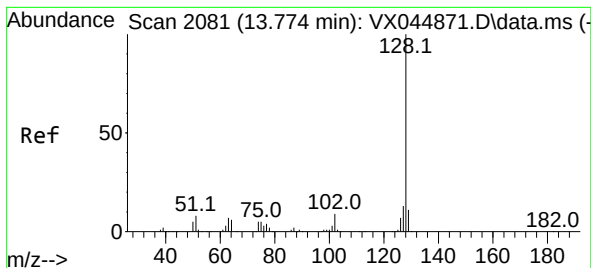
Tgt Ion:180 Resp: 102197
Ion Ratio Lower Upper
180 100
182 94.1 47.6 142.8
145 31.9 16.4 49.1



#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

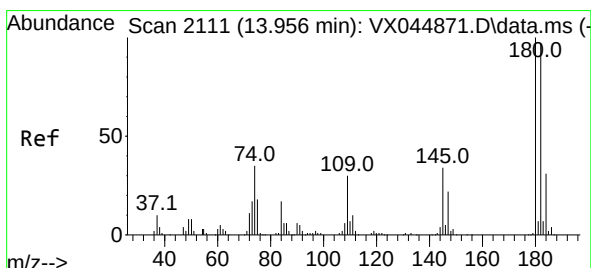
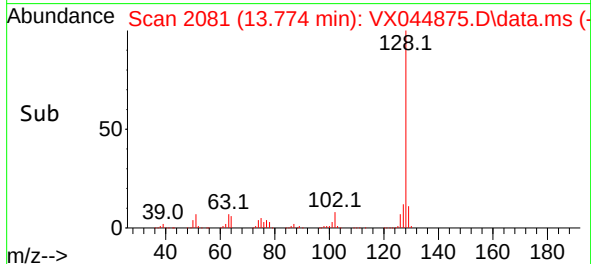
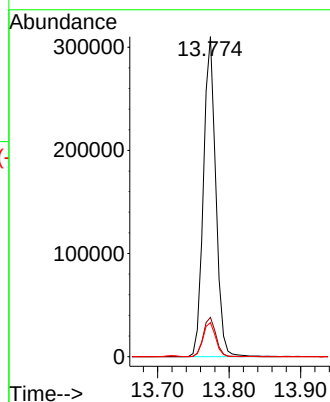
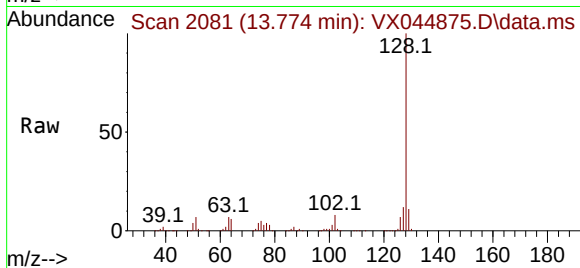
Tgt Ion:128 Resp: 371576

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

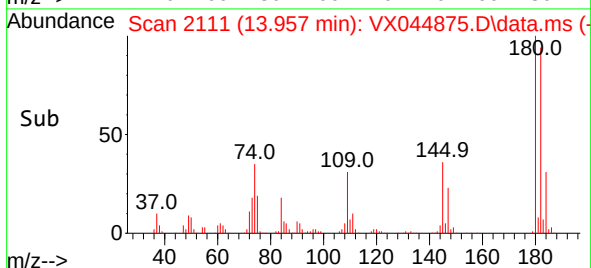
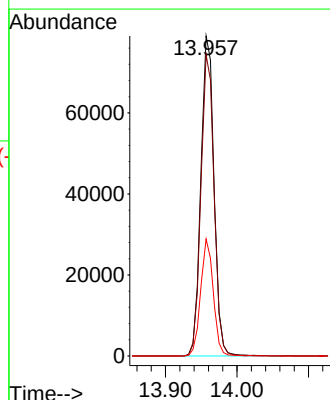
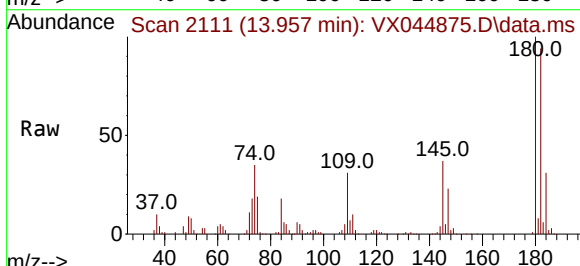
Tgt Ion:180 Resp: 100730

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\VX021125\
 Data File : VX044893.D
 Acq On : 11 Feb 2025 10:09
 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 12 02:36:31 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	5.544	168	125474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	221806	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	200705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	89456	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	89338	48.640	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.280%
35) Dibromofluoromethane	5.373	113	71680	49.705	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.420%
50) Toluene-d8	8.641	98	272926	50.049	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.100%
62) 4-Bromofluorobenzene	11.079	95	94539	51.425	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.840%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	83442	47.415	ug/l	96
3) Chloromethane	1.300	50	96511	45.059	ug/l	97
4) Vinyl Chloride	1.374	62	94484	45.534	ug/l	100
5) Bromomethane	1.593	94	30080	48.444	ug/l	96
6) Chloroethane	1.666	64	41236	51.506	ug/l	98
7) Trichlorofluoromethane	1.874	101	125214	47.717	ug/l	99
8) Diethyl Ether	2.130	74	48238	50.688	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	76116	48.009	ug/l	98
10) Methyl Iodide	2.447	142	99655	48.499	ug/l	99
11) Tert butyl alcohol	2.989	59	81125	238.084	ug/l	99
12) 1,1-Dichloroethene	2.312	96	74712	46.197	ug/l	97
13) Acrolein	2.233	56	87432	248.698	ug/l	99
14) Allyl chloride	2.654	41	138850	47.506	ug/l	98
15) Acrylonitrile	3.056	53	218594	240.274	ug/l	99
16) Acetone	2.380	43	173556	235.052	ug/l	98
17) Carbon Disulfide	2.501	76	204689	46.155	ug/l	98
18) Methyl Acetate	2.697	43	111028	47.651	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	251205	48.819	ug/l	100
20) Methylene Chloride	2.782	84	84927	46.958	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	74888	47.048	ug/l	92
22) Diisopropyl ether	3.751	45	275541	49.830	ug/l	93
23) Vinyl Acetate	3.715	43	1147936	254.643	ug/l	100
24) 1,1-Dichloroethane	3.599	63	147936	47.814	ug/l	98
25) 2-Butanone	4.550	43	292704	244.126	ug/l	96
26) 2,2-Dichloropropane	4.465	77	118943	48.476	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	91876	48.054	ug/l	99
28) Bromochloromethane	4.885	49	63054	42.406	ug/l	98
29) Tetrahydrofuran	4.995	42	192811	242.178	ug/l	99
30) Chloroform	5.086	83	143782	47.919	ug/l	100
31) Cyclohexane	5.458	56	135237	47.412	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	121149	47.601	ug/l	98
36) 1,1-Dichloropropene	5.684	75	99764	47.950	ug/l	99
37) Ethyl Acetate	4.708	43	113342	48.977	ug/l	99
38) Carbon Tetrachloride	5.666	117	99680	48.890	ug/l	97
39) Methylcyclohexane	7.373	83	141217	52.500	ug/l	97
40) Benzene	6.025	78	321371	49.466	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044893.D
 Acq On : 11 Feb 2025 10:09
 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 12 02:36:31 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	4.916	41	64313	51.920	ug/l	99
42) 1,2-Dichloroethane	6.074	62	106806	51.582	ug/l	100
43) Isopropyl Acetate	6.330	43	192468	51.503	ug/l	99
44) Trichloroethene	7.116	130	74009	49.838	ug/l	98
45) 1,2-Dichloropropane	7.421	63	82208	50.862	ug/l	99
46) Dibromomethane	7.574	93	56698	50.583	ug/l	99
47) Bromodichloromethane	7.811	83	114110	52.576	ug/l	98
48) Methyl methacrylate	7.683	41	91692	52.037	ug/l	99
49) 1,4-Dioxane	7.659	88	38686	1023.303	ug/l	99
51) 4-Methyl-2-Pentanone	8.567	43	588239	258.917	ug/l	99
52) Toluene	8.714	92	198031	51.182	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	116558	53.069	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	129895	53.044	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	76273	51.281	ug/l	98
56) Ethyl methacrylate	9.110	69	126768	52.771	ug/l	99
57) 1,3-Dichloropropane	9.305	76	133222	51.191	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	361927	306.841	ug/l	99
59) 2-Hexanone	9.427	43	425326	259.830	ug/l	99
60) Dibromochloromethane	9.518	129	83627	52.573	ug/l	100
61) 1,2-Dibromoethane	9.604	107	77591	51.469	ug/l	100
64) Tetrachloroethene	9.269	164	60113	47.492	ug/l	99
65) Chlorobenzene	10.073	112	210623	48.859	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	68219	49.166	ug/l	99
67) Ethyl Benzene	10.189	91	377075	49.568	ug/l	100
68) m/p-Xylenes	10.299	106	280582	99.986	ug/l	99
69) o-Xylene	10.640	106	138735	49.270	ug/l	100
70) Styrene	10.652	104	230163	50.735	ug/l	99
71) Bromoform	10.799	173	53037	51.218	ug/l #	99
73) Isopropylbenzene	10.957	105	354838	49.263	ug/l	99
74) N-amyl acetate	10.841	43	166229	51.000	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	117303	47.393	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	125348	63.199	ug/l	83
77) Bromobenzene	11.195	156	79799	48.866	ug/l	99
78) n-propylbenzene	11.299	91	420391	50.565	ug/l	100
79) 2-Chlorotoluene	11.360	91	243433	47.642	ug/l	98
80) 1,3,5-Trimethylbenzene	11.445	105	288797	49.408	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	37854	49.096	ug/l	99
82) 4-Chlorotoluene	11.451	91	277142	49.026	ug/l	99
83) tert-Butylbenzene	11.713	119	294574	49.817	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	291318	50.496	ug/l	99
85) sec-Butylbenzene	11.884	105	368710	50.355	ug/l	100
86) p-Isopropyltoluene	12.006	119	301888	51.268	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	148060	49.304	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	146583	48.277	ug/l	99
89) n-Butylbenzene	12.329	91	278914	53.540	ug/l	100
90) Hexachloroethane	12.536	117	55271	50.129	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	144478	48.952	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22187	49.115	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	90876	50.885	ug/l	100
94) Hexachlorobutadiene	13.719	225	35673	50.316	ug/l	99
95) Naphthalene	13.774	128	325482	50.417	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	89533	49.753	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044893.D
Acq On : 11 Feb 2025 10:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

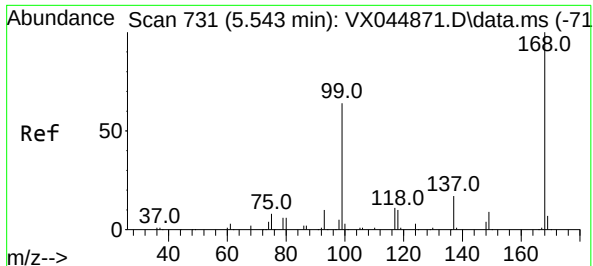
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

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

Quant Time: Feb 12 02:36:31 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

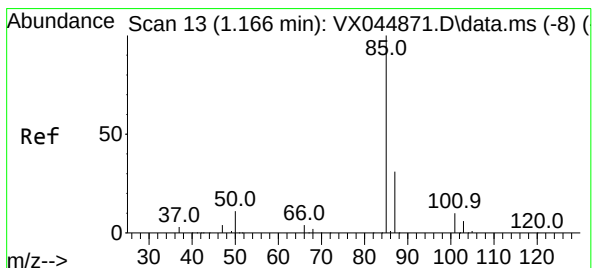
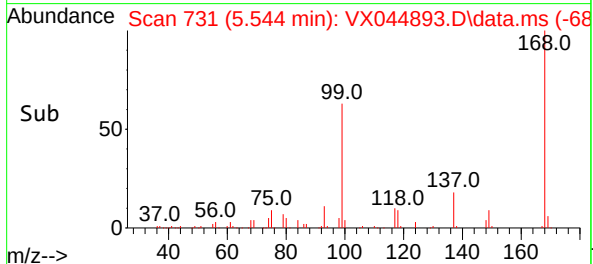
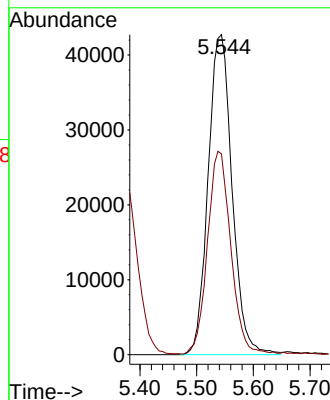
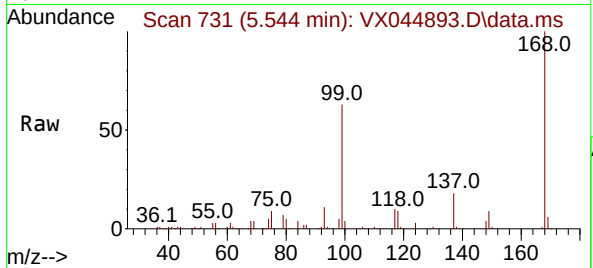




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

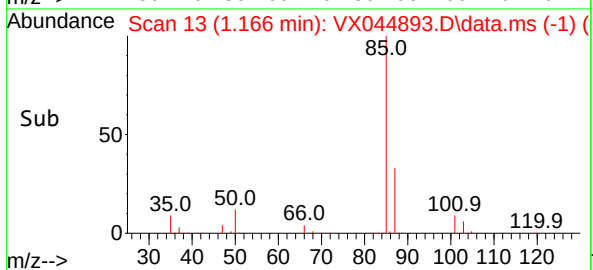
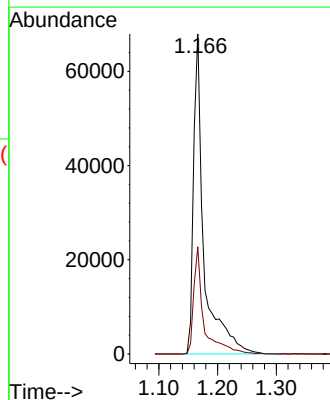
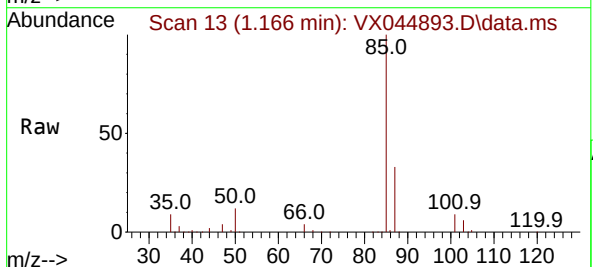
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

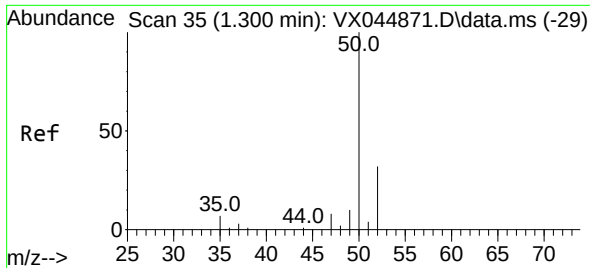
Tgt Ion:168 Resp: 125474
Ion Ratio Lower Upper
168 100
99 62.4 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 47.415 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 85 Resp: 83442
Ion Ratio Lower Upper
85 100
87 33.5 15.8 47.3

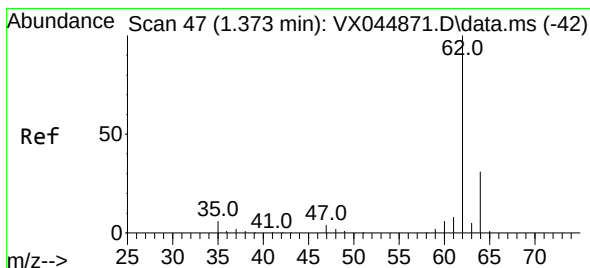
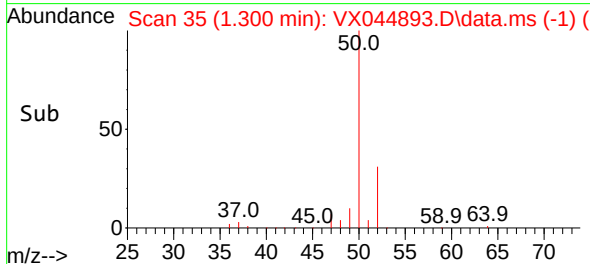
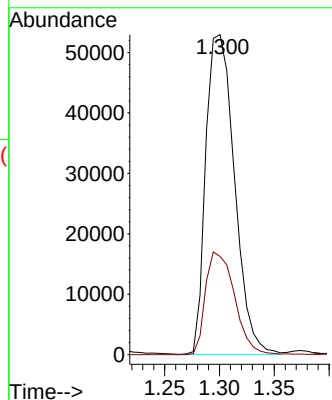
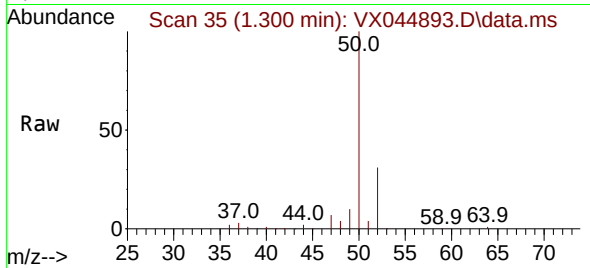




#3
Chloromethane
Concen: 45.059 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

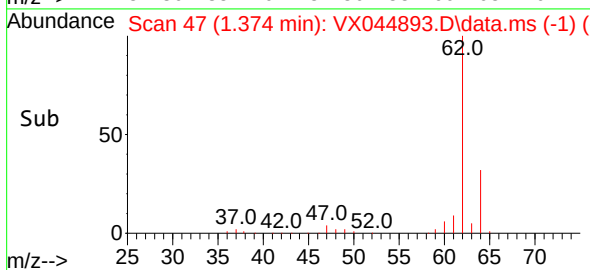
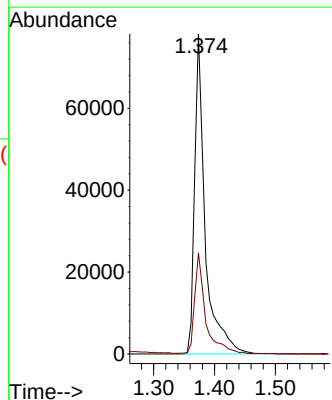
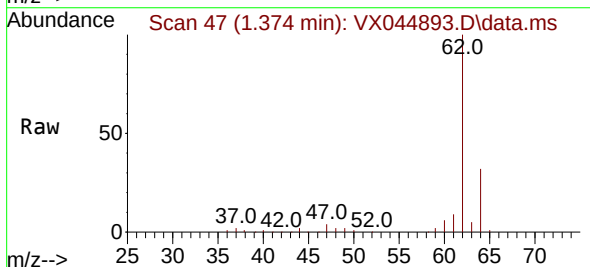
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

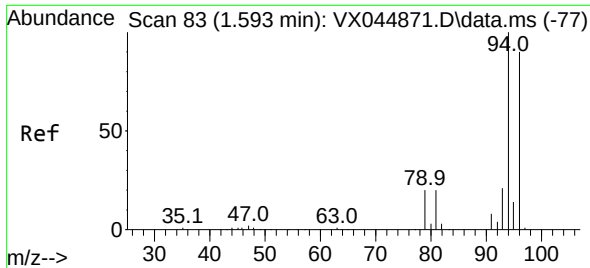
Tgt Ion: 50 Resp: 96511
Ion Ratio Lower Upper
50 100
52 30.7 25.9 38.9



#4
Vinyl Chloride
Concen: 45.534 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 62 Resp: 94484
Ion Ratio Lower Upper
62 100
64 31.6 25.4 38.0

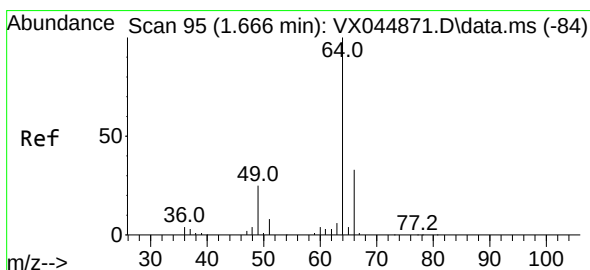
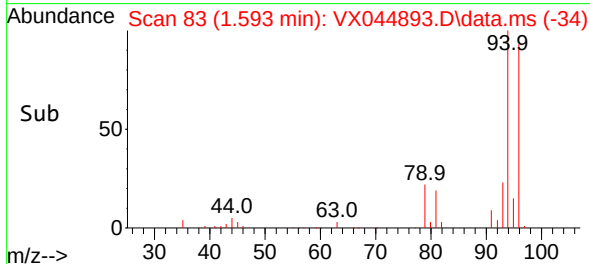
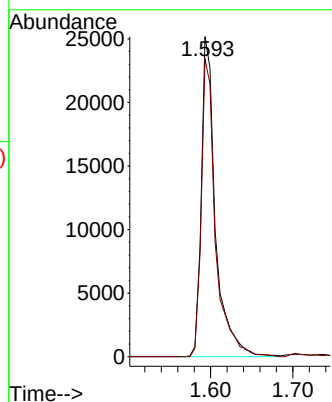
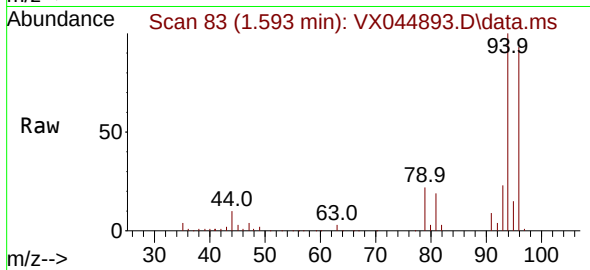




#5
 Bromomethane
 Concen: 48.444 ug/l
 RT: 1.593 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VX044893.D
 Acq: 11 Feb 2025 10:09

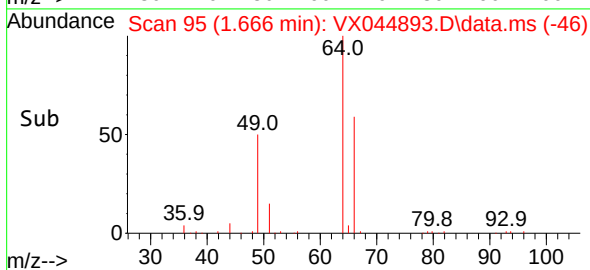
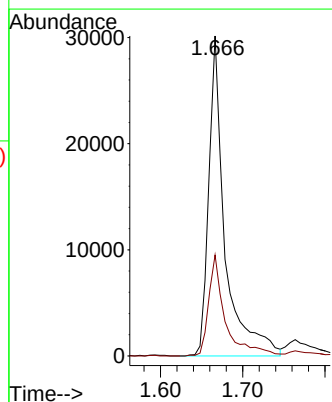
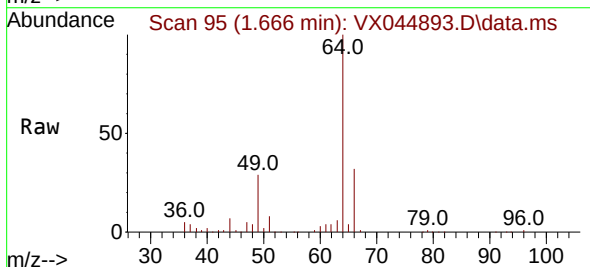
Instrument :
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 ClientSampleId :
 VSTDCCC050

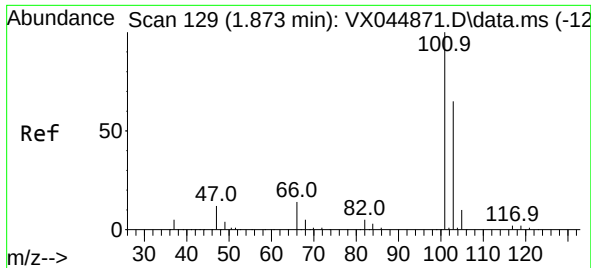
Tgt Ion: 94 Resp: 30080
 Ion Ratio Lower Upper
 94 100
 96 93.0 71.6 107.4



#6
 Chloroethane
 Concen: 51.506 ug/l
 RT: 1.666 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: VX044893.D
 Acq: 11 Feb 2025 10:09

Tgt Ion: 64 Resp: 41236
 Ion Ratio Lower Upper
 64 100
 66 31.6 25.9 38.9

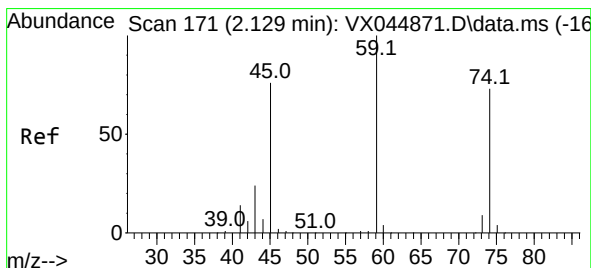
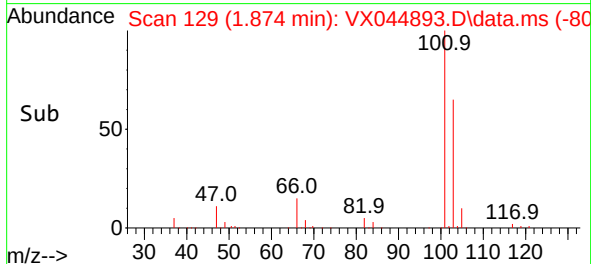
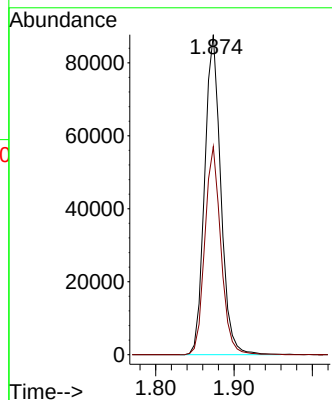
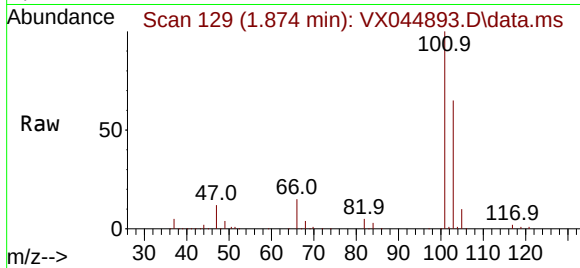




#7
 Trichlorofluoromethane
 Concen: 47.717 ug/l
 RT: 1.874 min Scan# 11
 Delta R.T. 0.001 min
 Lab File: VX044893.D
 Acq: 11 Feb 2025 10:09

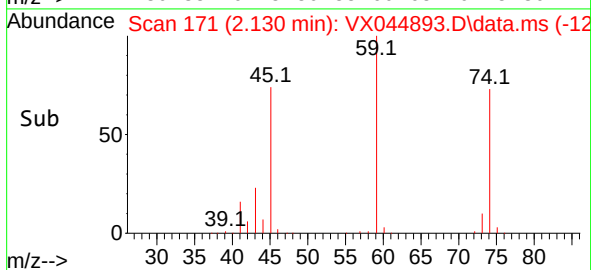
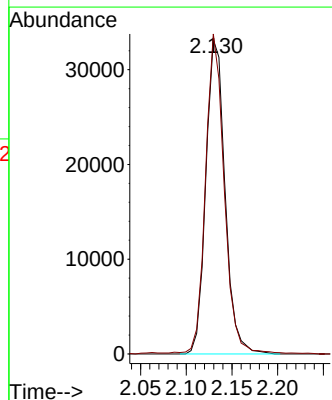
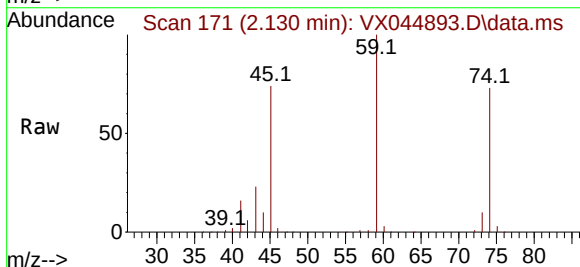
Instrument :
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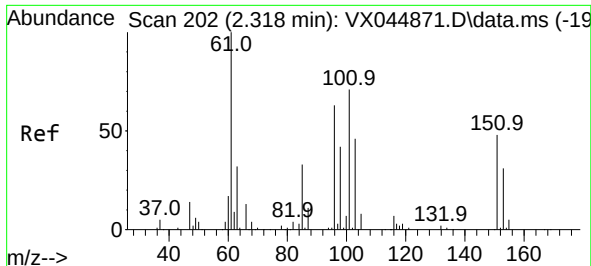
Tgt Ion:101 Resp: 125214
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.4 78.6



#8
 Diethyl Ether
 Concen: 50.688 ug/l
 RT: 2.130 min Scan# 171
 Delta R.T. 0.001 min
 Lab File: VX044893.D
 Acq: 11 Feb 2025 10:09

Tgt Ion: 74 Resp: 48238
 Ion Ratio Lower Upper
 74 100
 45 100.0 51.1 153.4

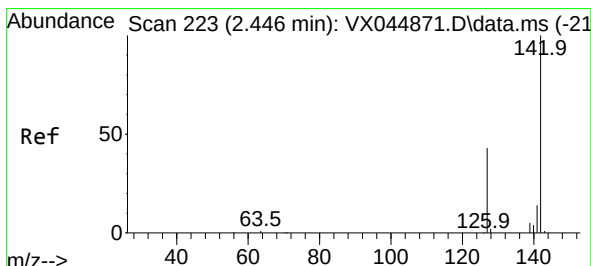
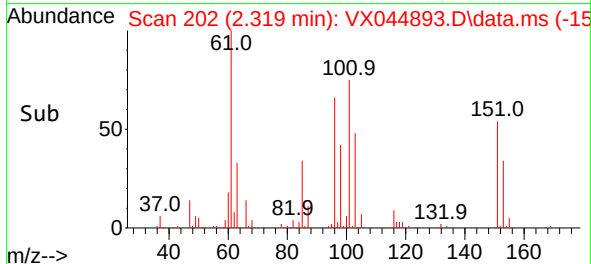
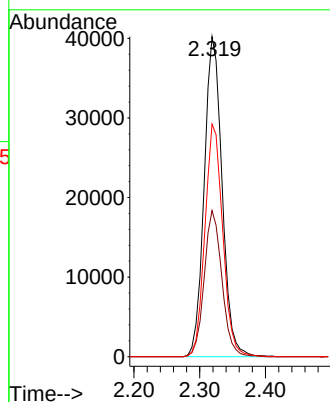
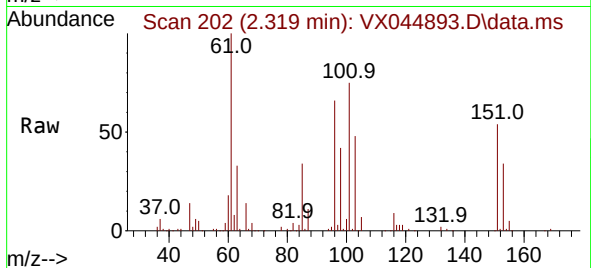




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.009 ug/l
 RT: 2.319 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX044893.D
 Acq: 11 Feb 2025 10:09

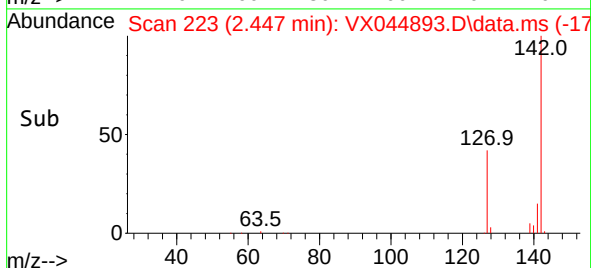
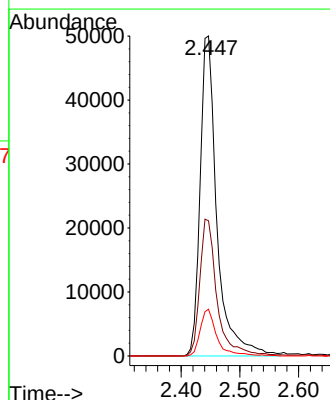
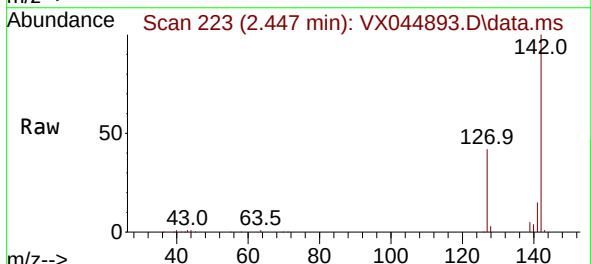
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

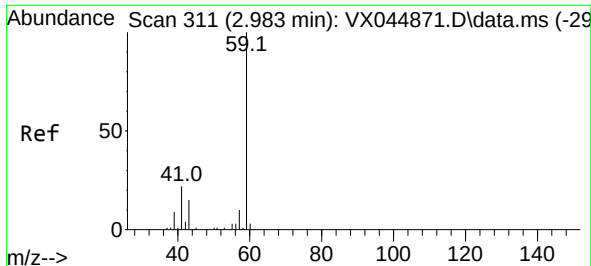
Tgt Ion:101 Resp: 76116
 Ion Ratio Lower Upper
 101 100
 85 45.1 35.7 53.5
 151 72.4 56.0 84.0



#10
 Methyl Iodide
 Concen: 48.499 ug/l
 RT: 2.447 min Scan# 223
 Delta R.T. 0.000 min
 Lab File: VX044893.D
 Acq: 11 Feb 2025 10:09

Tgt Ion:142 Resp: 99655
 Ion Ratio Lower Upper
 142 100
 127 43.9 34.3 51.5
 141 14.5 11.4 17.2

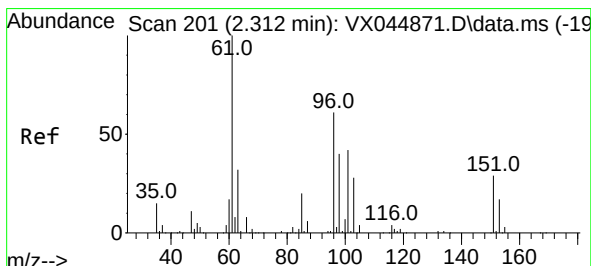
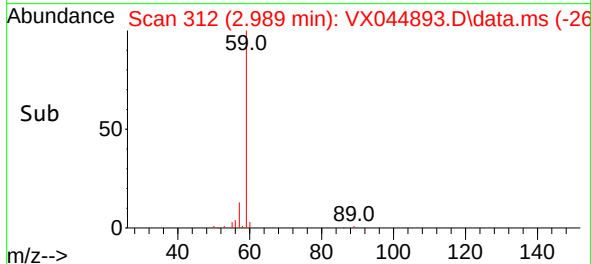
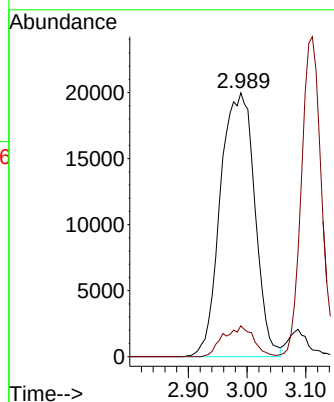
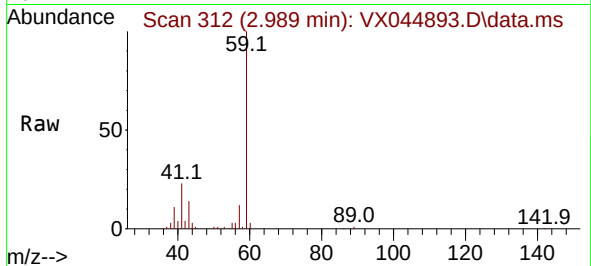




#11
Tert butyl alcohol
Concen: 238.084 ug/l
RT: 2.989 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

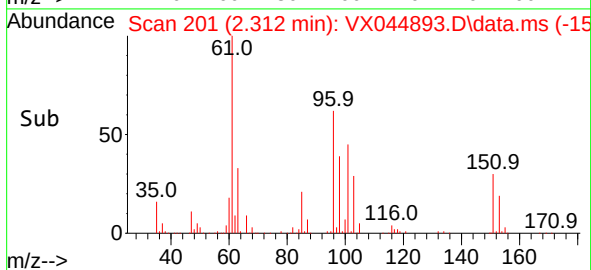
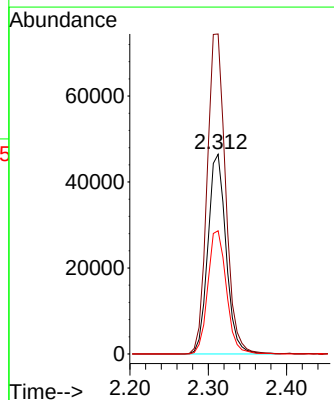
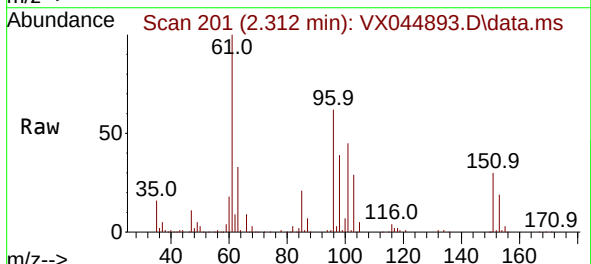
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

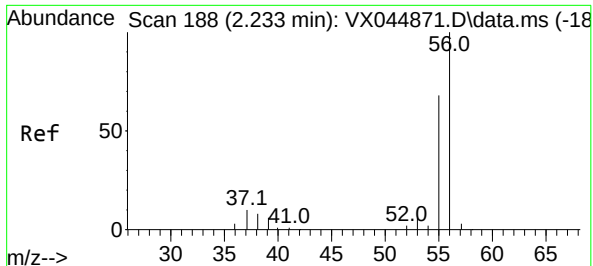
Tgt Ion: 59 Resp: 81125
Ion Ratio Lower Upper
59 100
57 10.3 8.1 12.1



#12
1,1-Dichloroethene
Concen: 46.197 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 96 Resp: 74712
Ion Ratio Lower Upper
96 100
61 160.2 130.2 195.4
98 61.7 52.2 78.4

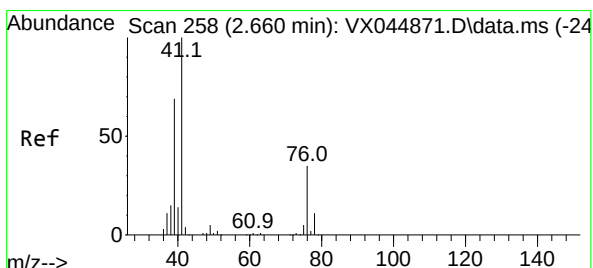
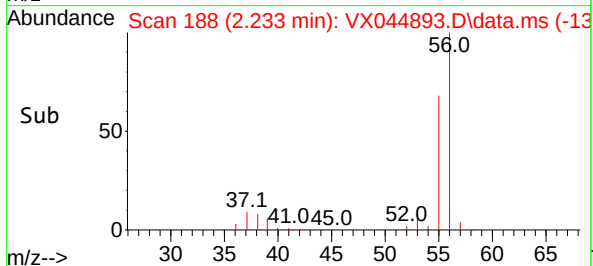
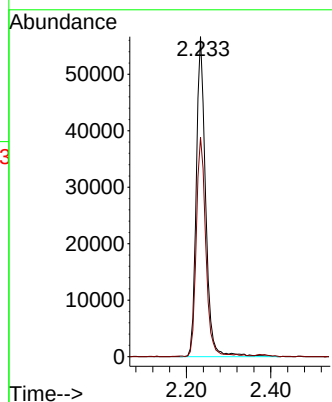
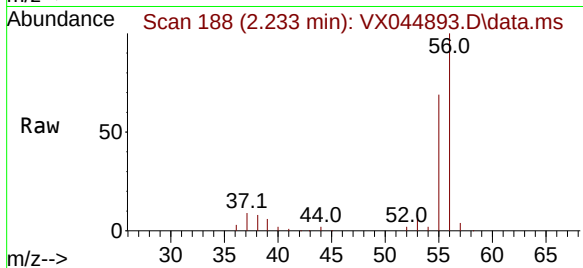




#13
Acrolein
Concen: 248.698 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

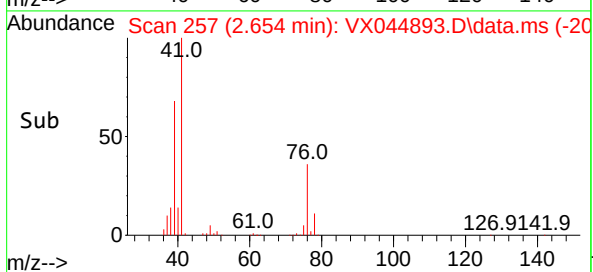
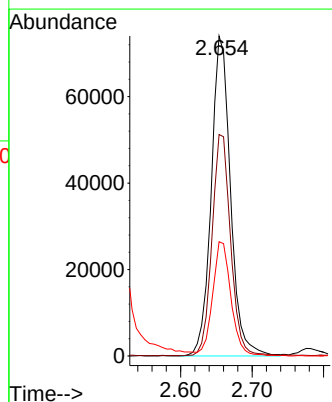
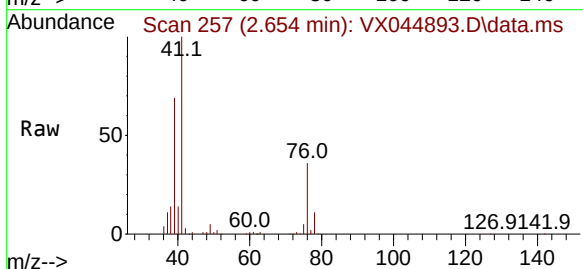
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

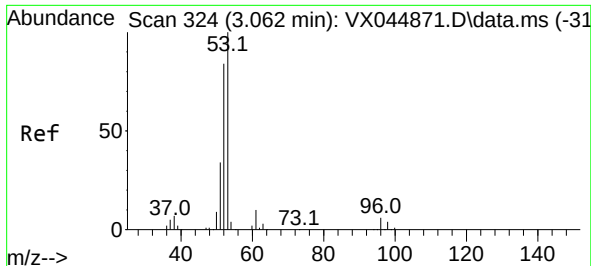
Tgt Ion: 56 Resp: 87432
Ion Ratio Lower Upper
56 100
55 70.5 55.7 83.5



#14
Allyl chloride
Concen: 47.506 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 41 Resp: 138850
Ion Ratio Lower Upper
41 100
39 66.6 51.4 77.2
76 34.0 27.0 40.4

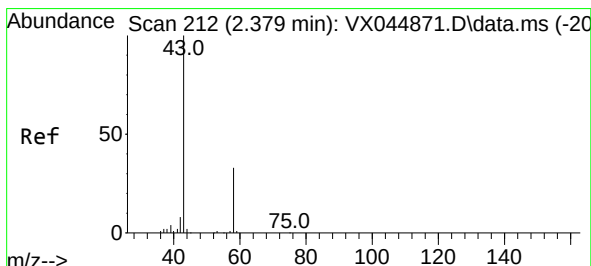
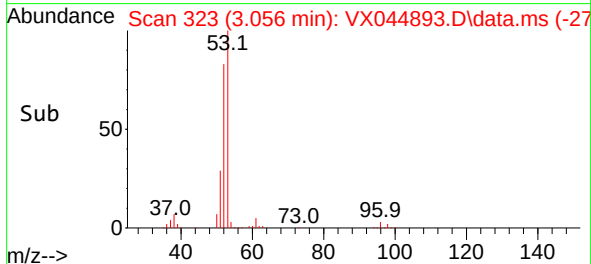
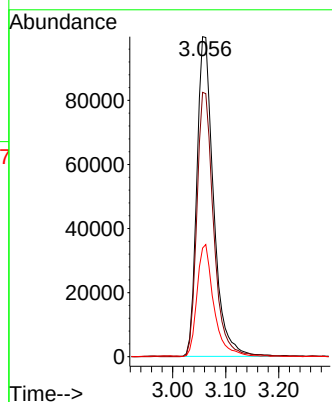
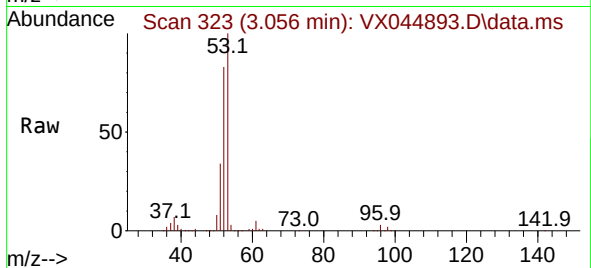




#15
Acrylonitrile
Concen: 240.274 ug/l
RT: 3.056 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

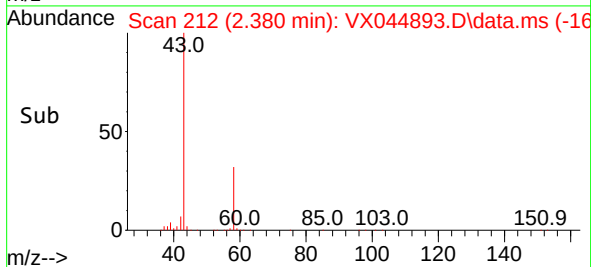
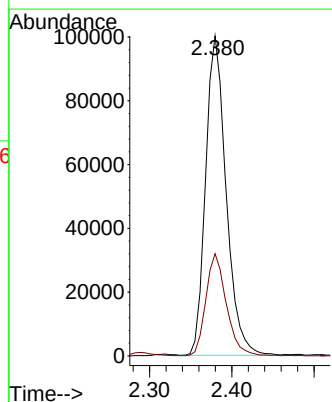
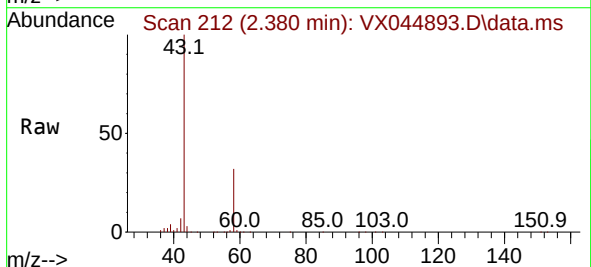
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

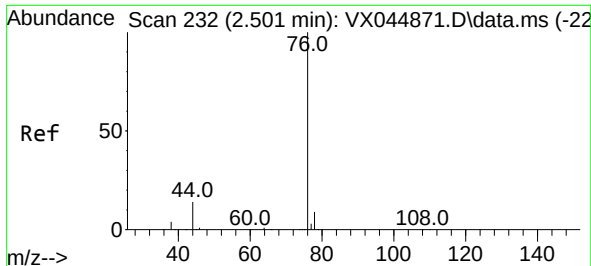
Tgt Ion: 53 Resp: 218594
Ion Ratio Lower Upper
53 100
52 83.0 65.0 97.6
51 34.9 28.0 42.0



#16
Acetone
Concen: 235.052 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 43 Resp: 173556
Ion Ratio Lower Upper
43 100
58 31.9 26.5 39.7

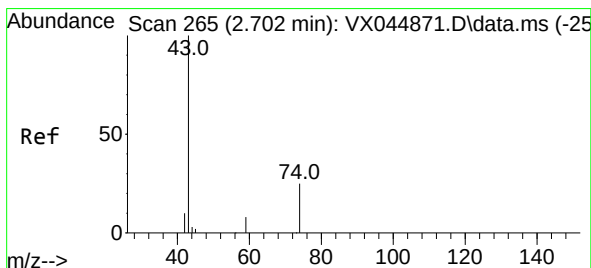
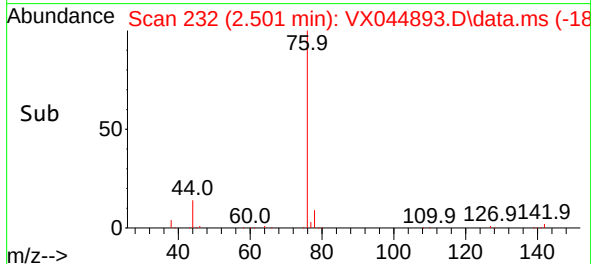
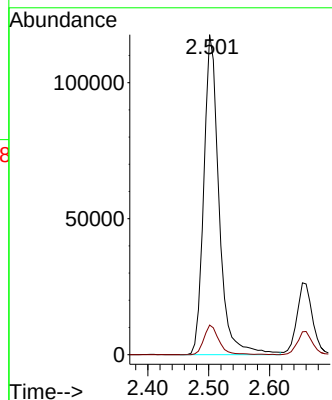
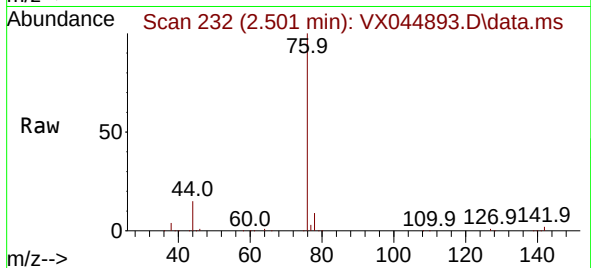




#17
Carbon Disulfide
Concen: 46.155 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

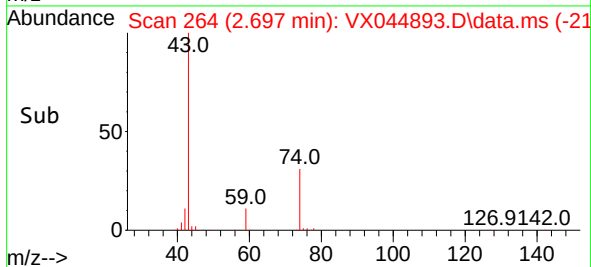
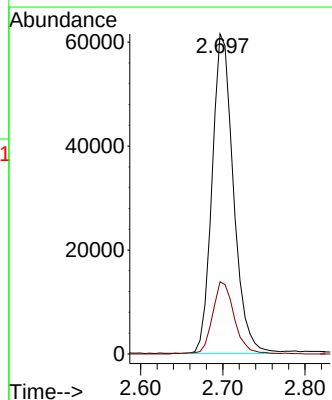
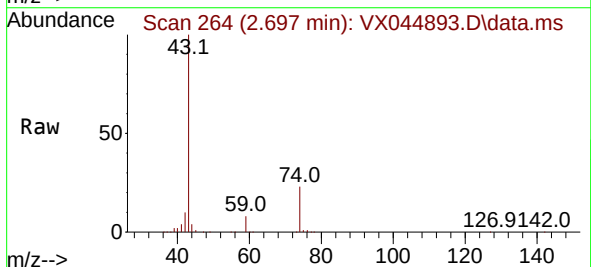
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

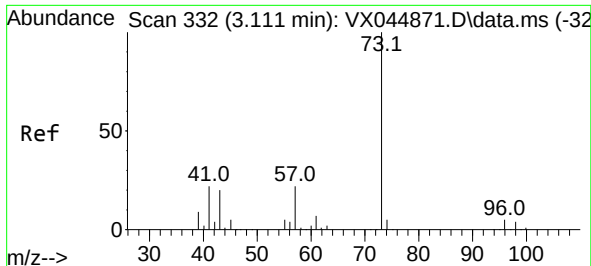
Tgt Ion: 76 Resp: 204689
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4



#18
Methyl Acetate
Concen: 47.651 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 43 Resp: 111028
Ion Ratio Lower Upper
43 100
74 23.2 18.9 28.3

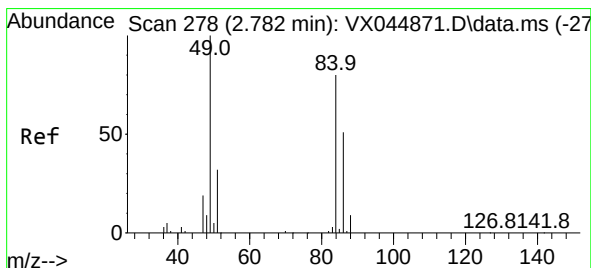
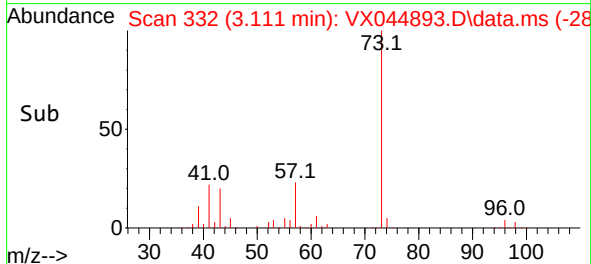
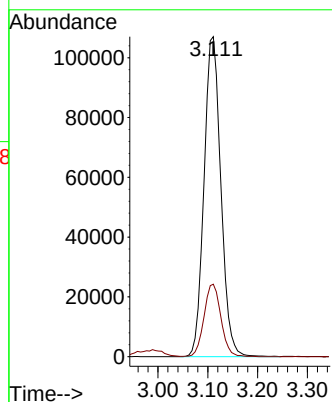
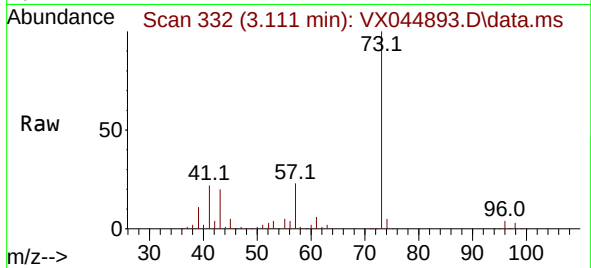




#19
Methyl tert-butyl Ether
Concen: 48.819 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

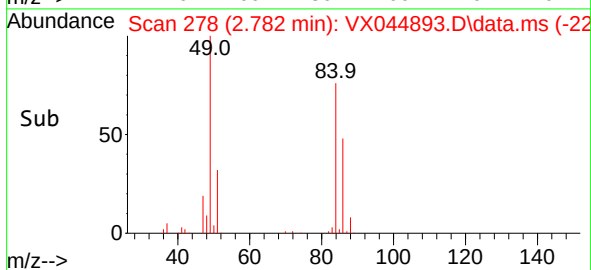
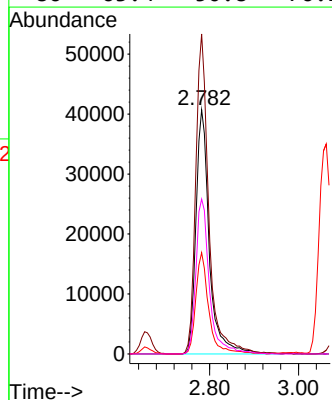
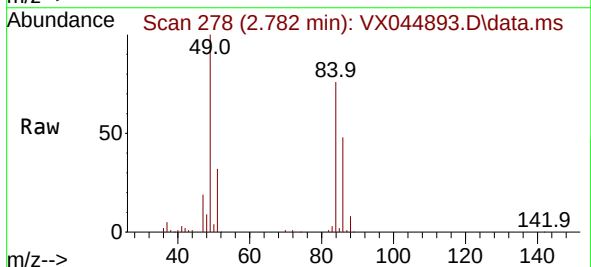
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

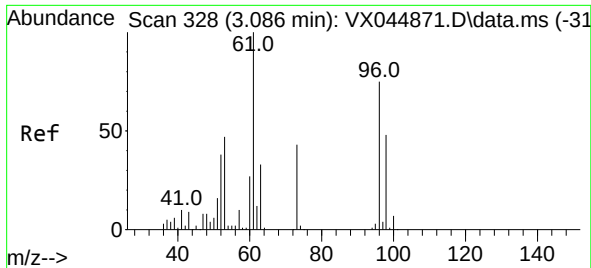
Tgt Ion: 73 Resp: 251205
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9



#20
Methylene Chloride
Concen: 46.958 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 84 Resp: 84927
Ion Ratio Lower Upper
84 100
49 131.1 100.1 150.1
51 41.5 31.7 47.5
86 63.4 50.8 76.2

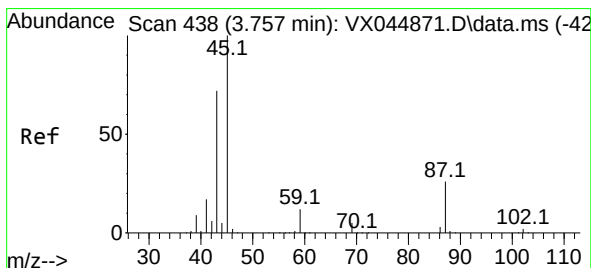
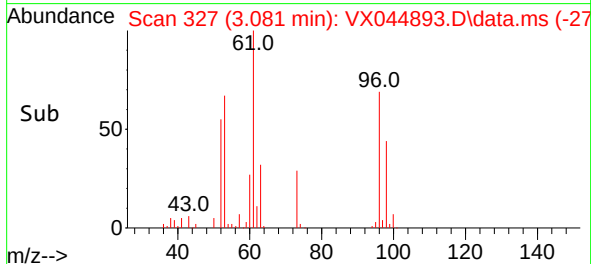
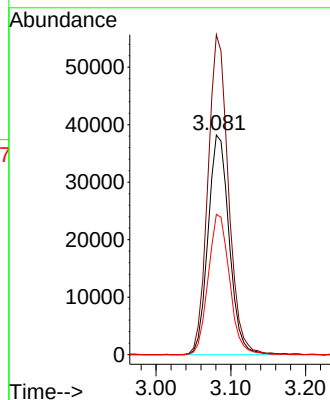
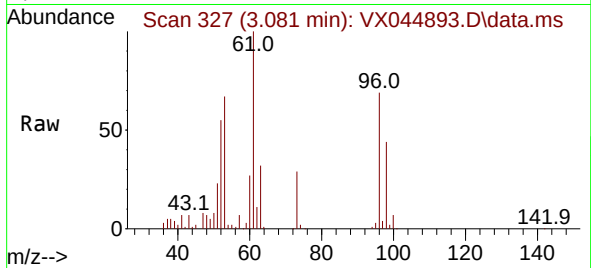




#21
trans-1,2-Dichloroethene
Concen: 47.048 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

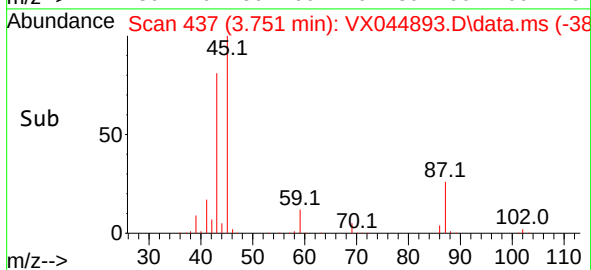
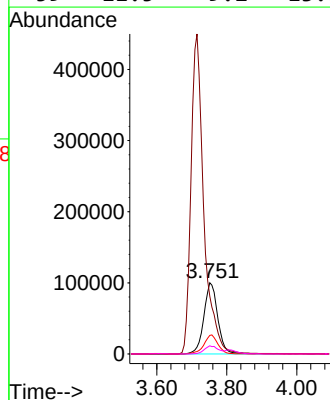
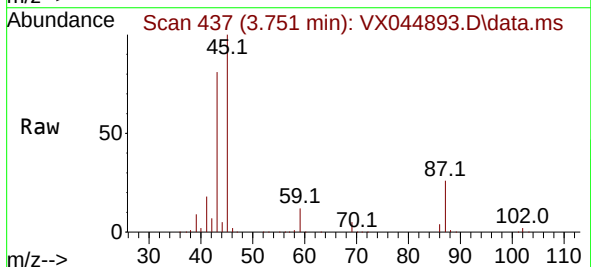
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

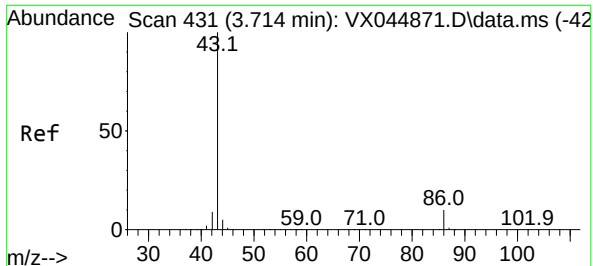
Tgt Ion: 96 Resp: 74888
Ion Ratio Lower Upper
96 100
61 145.6 106.0 159.0
98 63.8 50.6 76.0



#22
Diisopropyl ether
Concen: 49.830 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 45 Resp: 275541
Ion Ratio Lower Upper
45 100
43 80.9 58.0 87.0
87 26.0 20.7 31.1
59 11.5 9.2 13.8

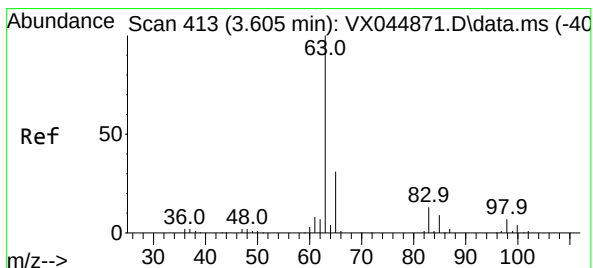
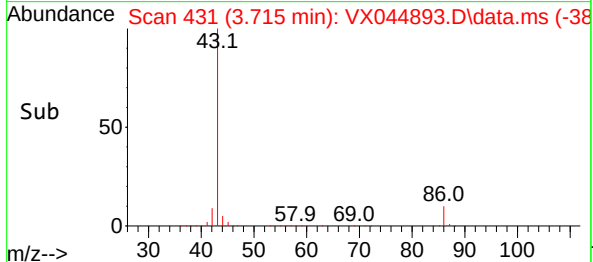
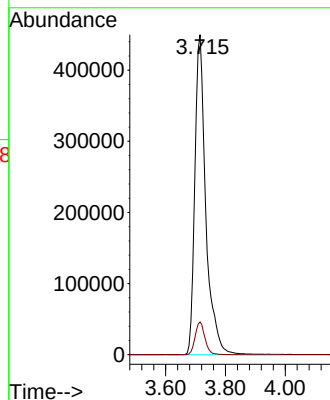
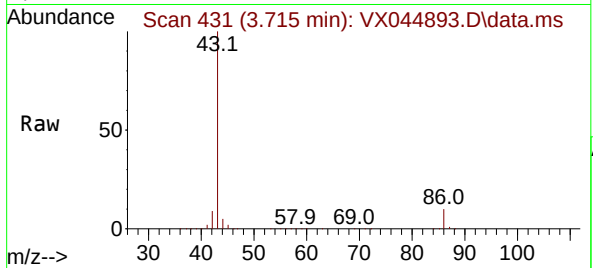




#23
 Vinyl Acetate
 Concen: 254.643 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX044893.D
 Acq: 11 Feb 2025 10:09

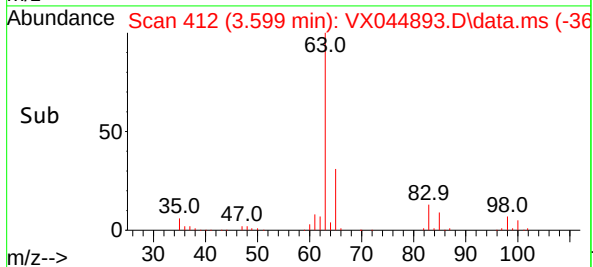
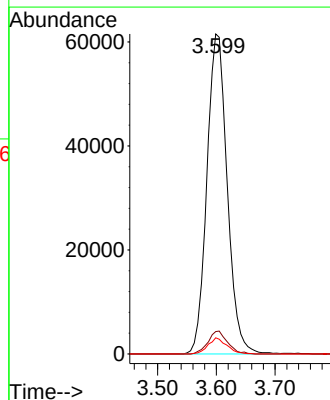
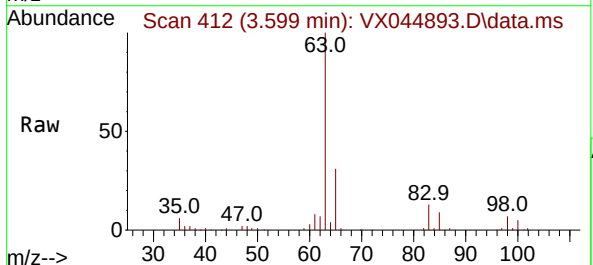
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

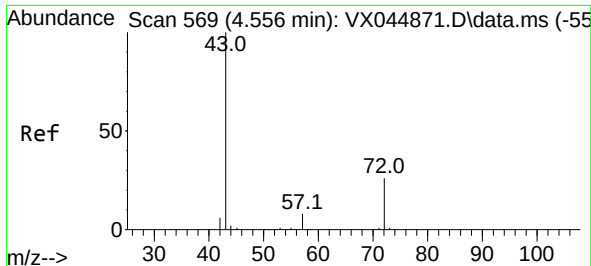
Tgt Ion: 43 Resp: 1147936
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 47.814 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.006 min
 Lab File: VX044893.D
 Acq: 11 Feb 2025 10:09

Tgt Ion: 63 Resp: 147936
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.9
 100 5.0 2.1 6.5

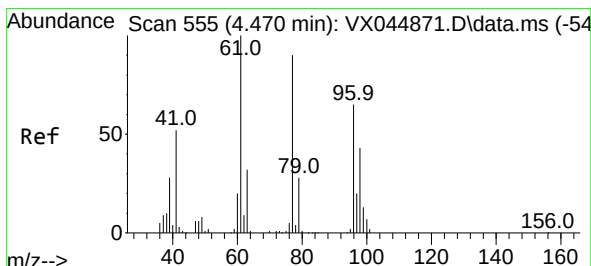
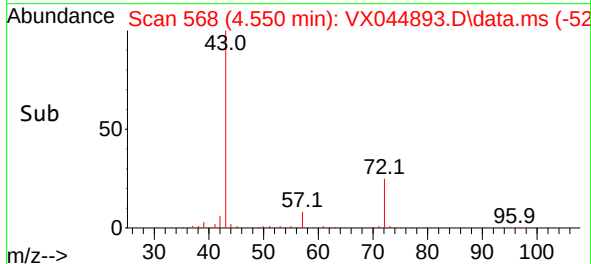
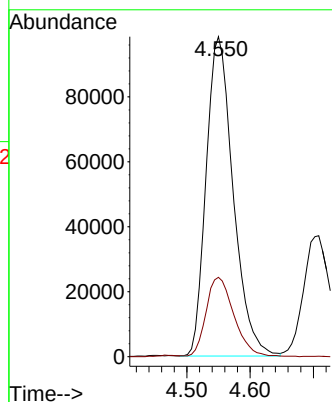
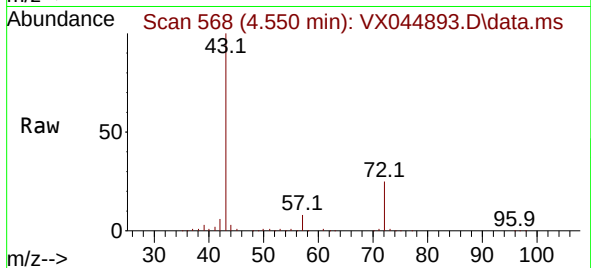




#25
2-Butanone
Concen: 244.126 ug/l
RT: 4.550 min Scan# 569
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

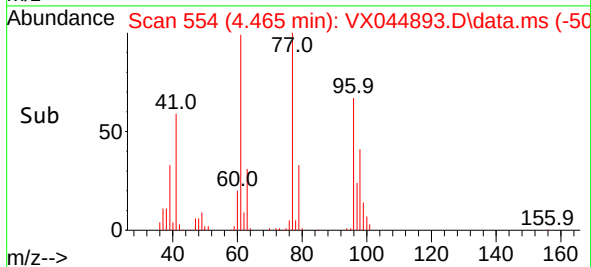
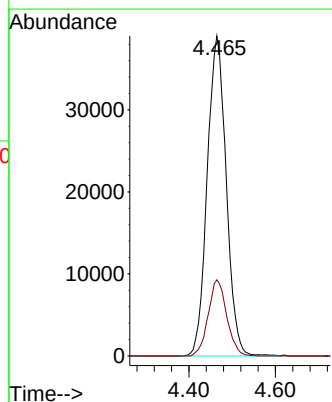
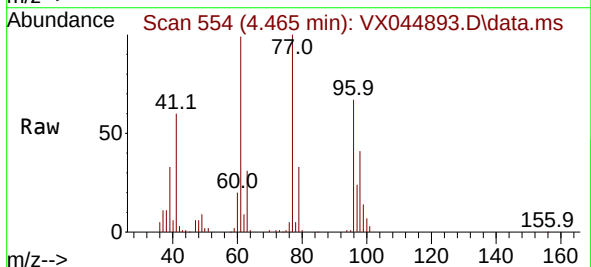
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

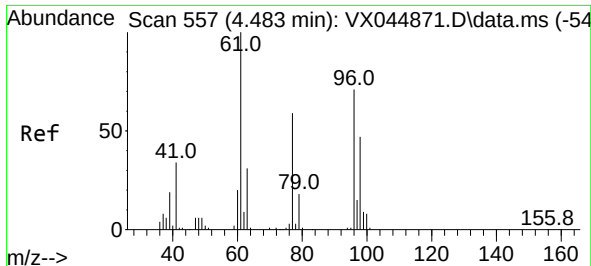
Tgt Ion: 43 Resp: 292704
Ion Ratio Lower Upper
43 100
72 24.6 21.2 31.8



#26
2,2-Dichloropropane
Concen: 48.476 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 77 Resp: 118943
Ion Ratio Lower Upper
77 100
97 23.2 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.054 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

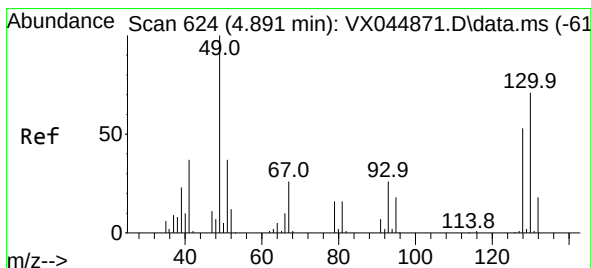
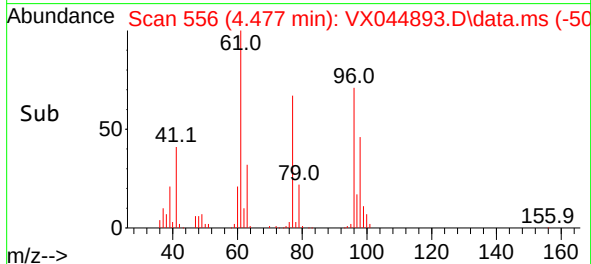
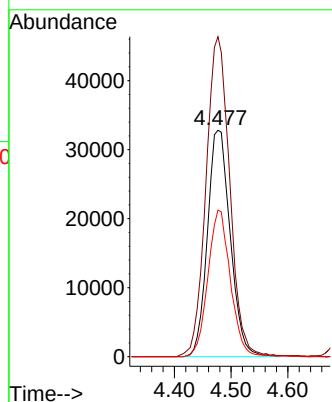
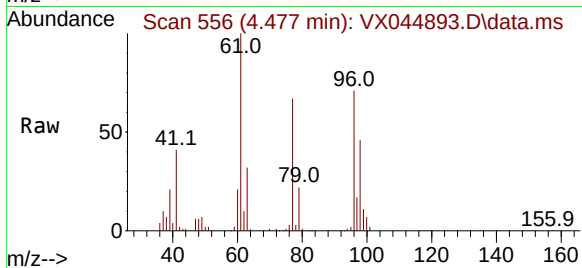
Tgt Ion: 96 Resp: 91876

Ion Ratio Lower Upper

96 100

61 147.0 0.0 294.0

98 63.6 0.0 131.2



#28

Bromochloromethane

Concen: 42.406 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

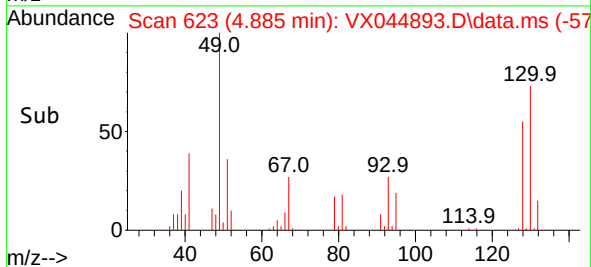
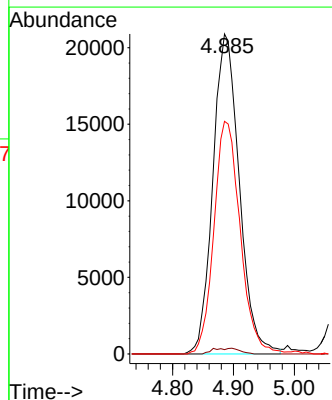
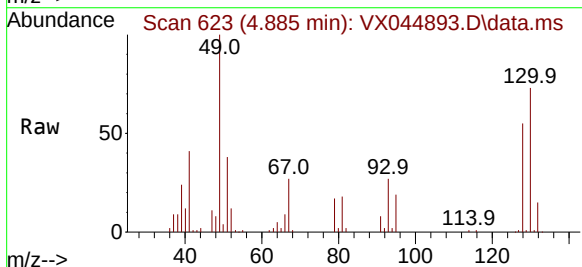
Tgt Ion: 49 Resp: 63054

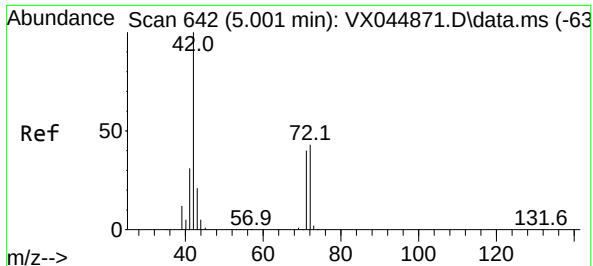
Ion Ratio Lower Upper

49 100

129 0.9 0.0 3.6

130 72.3 56.7 85.1





#29

Tetrahydrofuran

Concen: 242.178 ug/l

RT: 4.995 min Scan# 641

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

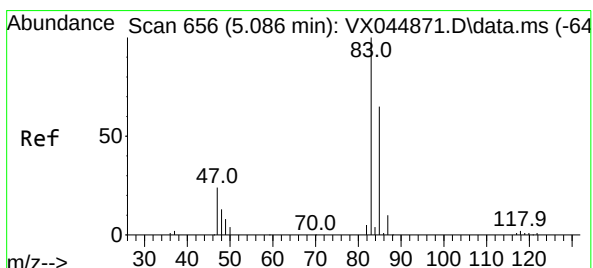
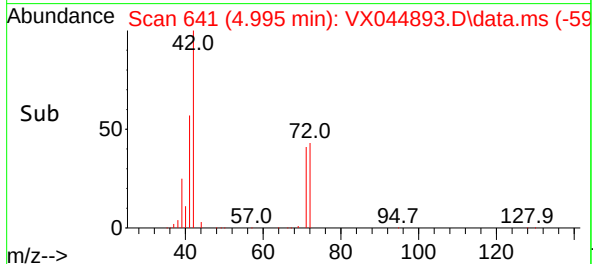
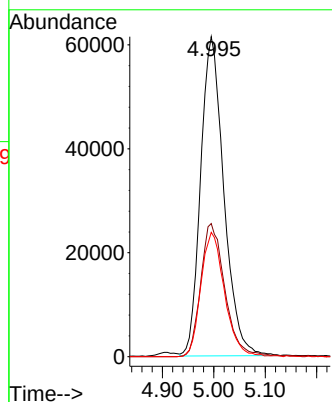
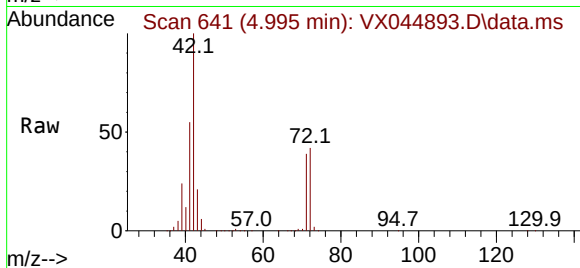
Tgt Ion: 42 Resp: 192811

Ion Ratio Lower Upper

42 100

72 43.3 35.0 52.4

71 39.6 32.6 48.8



#30

Chloroform

Concen: 47.919 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044893.D

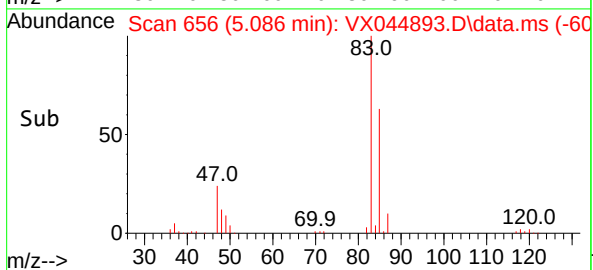
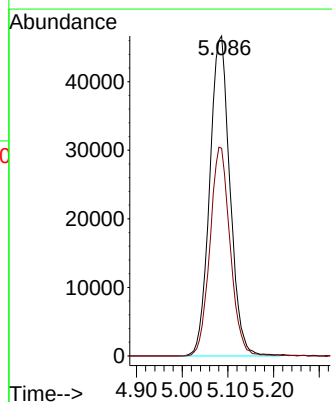
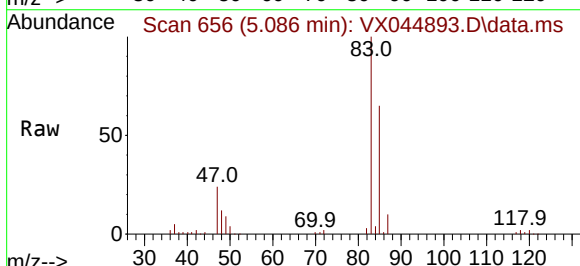
Acq: 11 Feb 2025 10:09

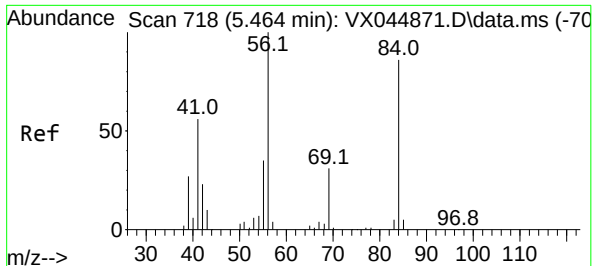
Tgt Ion: 83 Resp: 143782

Ion Ratio Lower Upper

83 100

85 64.9 52.1 78.1

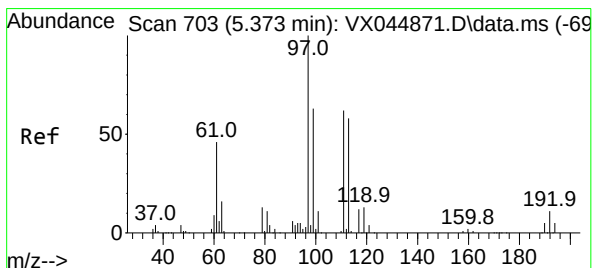
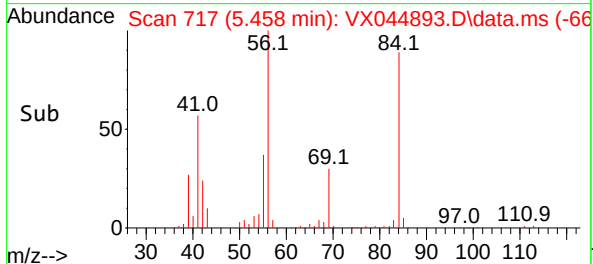
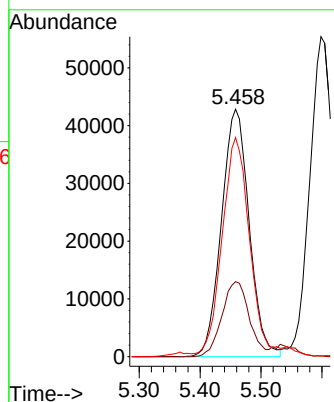
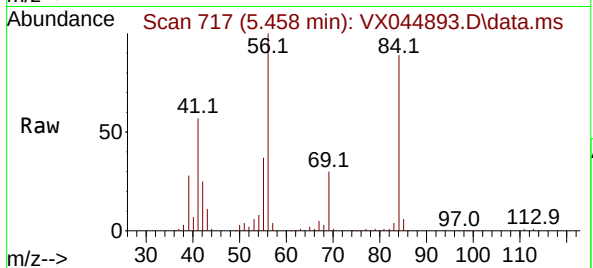




#31
Cyclohexane
Concen: 47.412 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

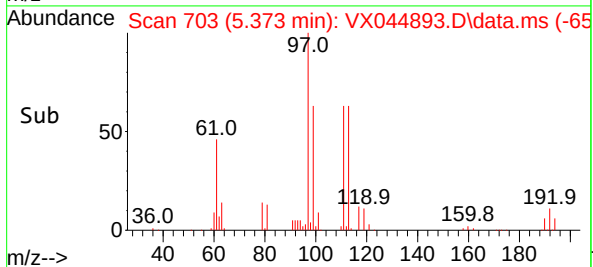
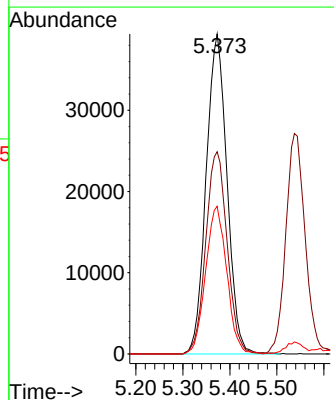
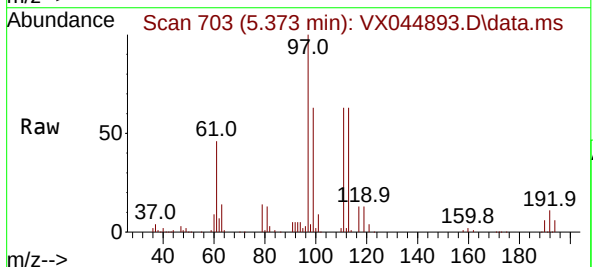
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

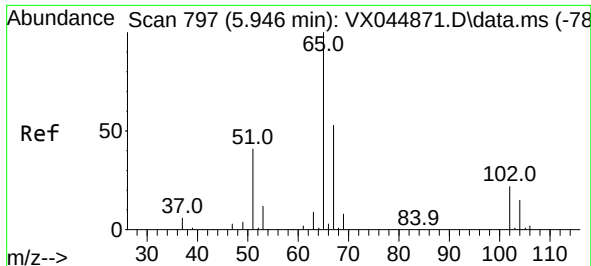
Tgt Ion: 56 Resp: 135237
Ion Ratio Lower Upper
56 100
69 30.3 24.4 36.6
84 86.7 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 47.601 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 97 Resp: 121149
Ion Ratio Lower Upper
97 100
99 64.9 51.0 76.6
61 46.9 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 48.640 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

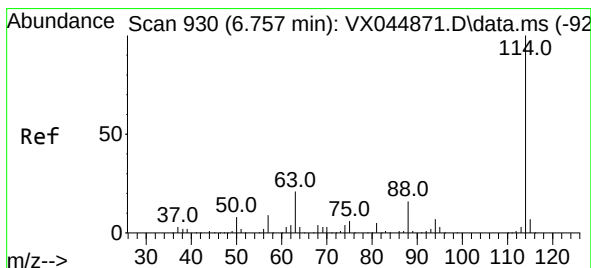
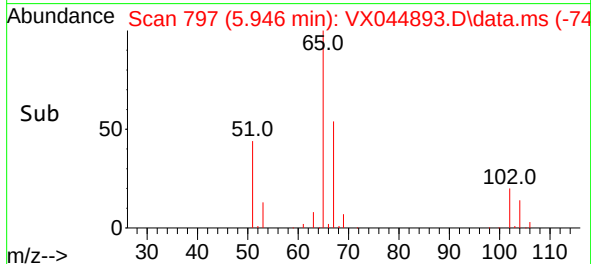
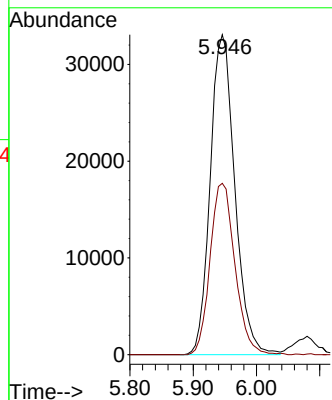
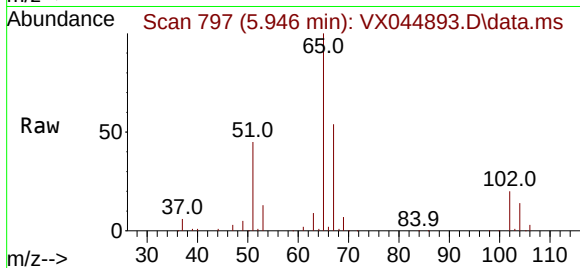
VSTDCCC050

Tgt Ion: 65 Resp: 89338

Ion Ratio Lower Upper

65 100

67 54.2 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: VX044893.D

Acq: 11 Feb 2025 10:09

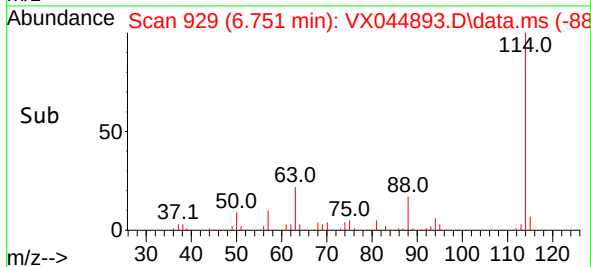
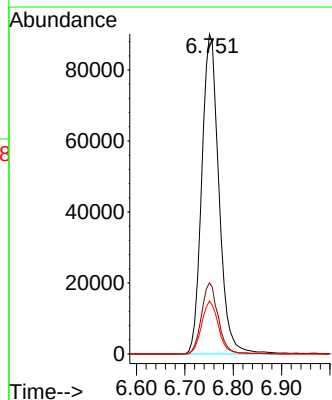
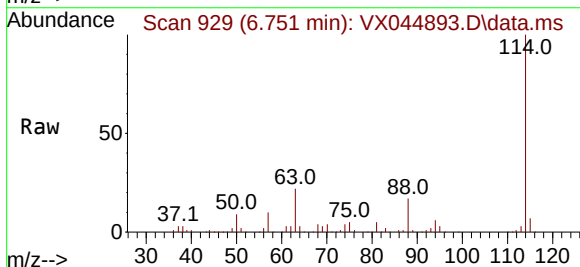
Tgt Ion: 114 Resp: 221806

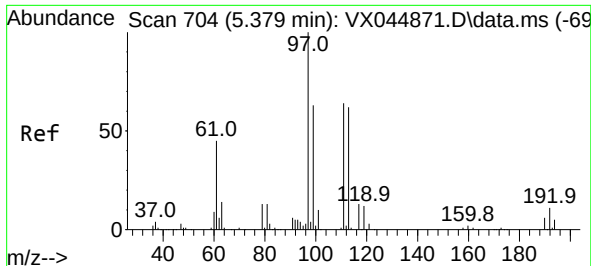
Ion Ratio Lower Upper

114 100

63 22.3 0.0 42.4

88 16.6 0.0 31.4

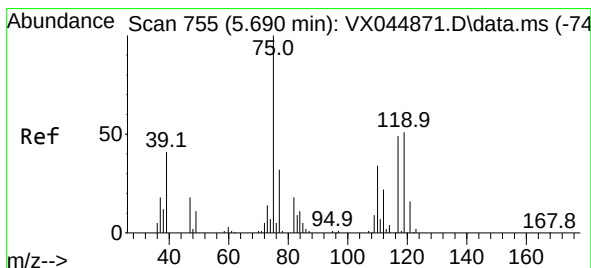
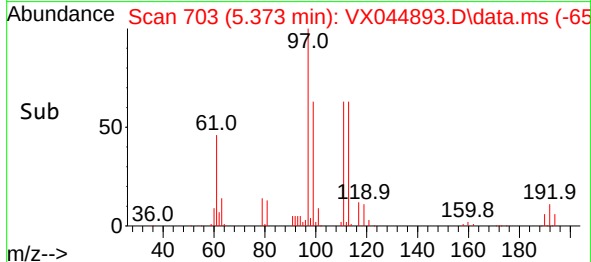
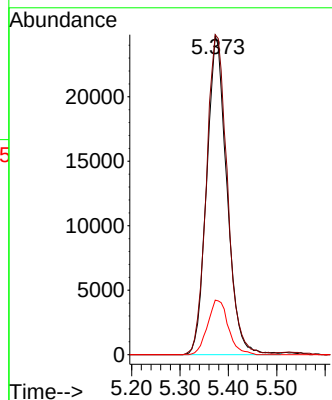
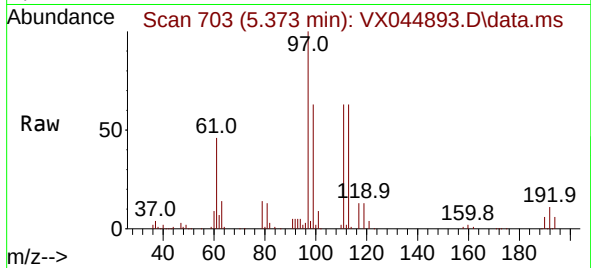




#35
Dibromofluoromethane
Concen: 49.705 ug/l
RT: 5.373 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

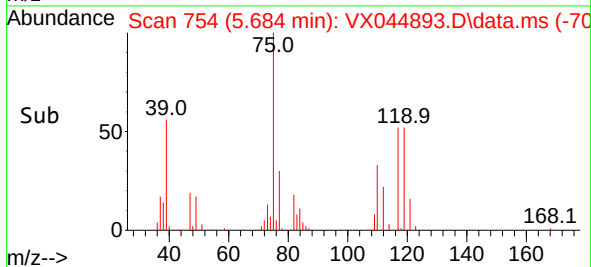
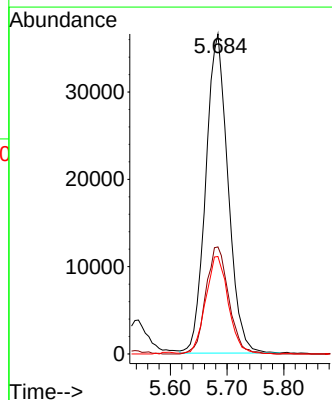
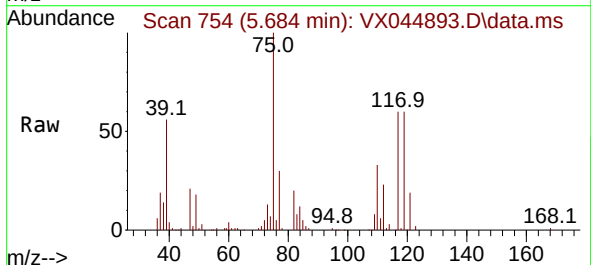
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

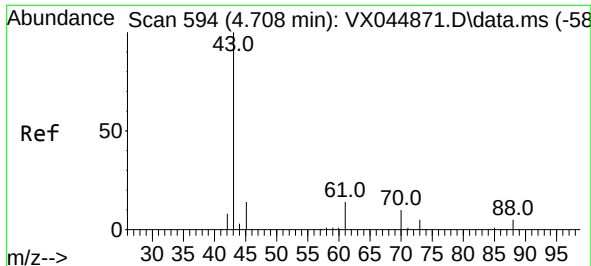
Tgt Ion:113 Resp: 71680
Ion Ratio Lower Upper
113 100
111 103.9 83.5 125.3
192 17.6 14.4 21.6



#36
1,1-Dichloropropene
Concen: 47.950 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 75 Resp: 99764
Ion Ratio Lower Upper
75 100
110 34.6 17.2 51.6
77 31.2 24.6 37.0

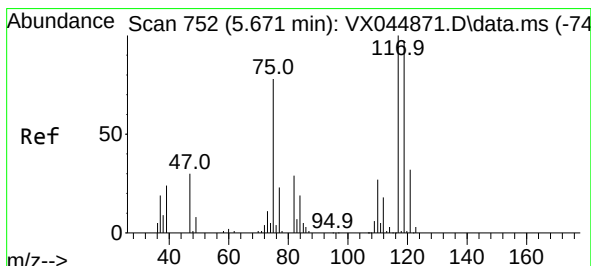
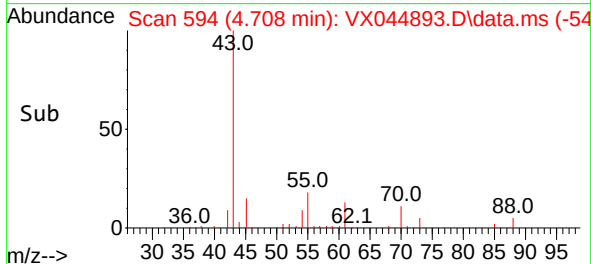
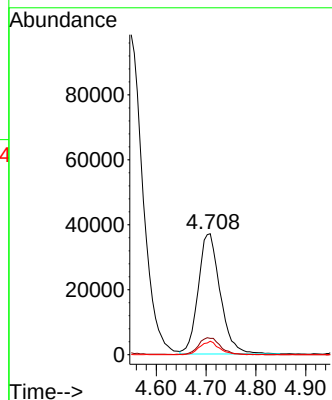
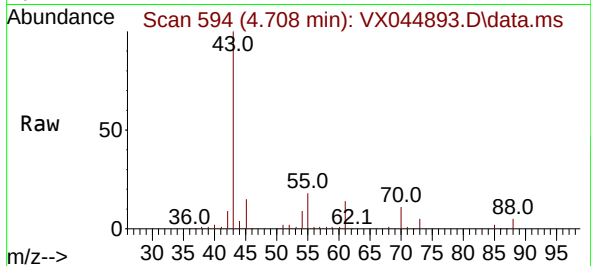




#37
Ethyl Acetate
Concen: 48.977 ug/l
RT: 4.708 min Scan# 594
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

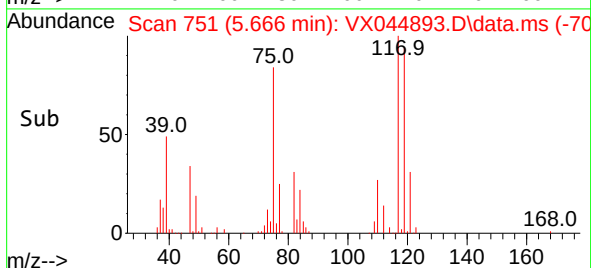
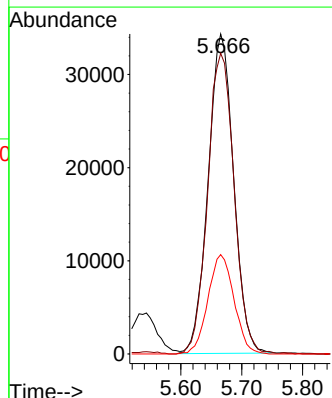
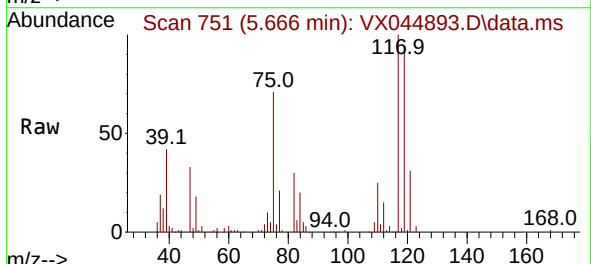
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

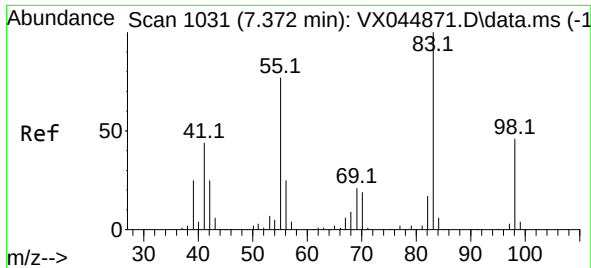
Tgt Ion: 43 Resp: 113342
Ion Ratio Lower Upper
43 100
61 14.1 11.0 16.4
70 9.9 8.2 12.2



#38
Carbon Tetrachloride
Concen: 48.890 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 117 Resp: 99680
Ion Ratio Lower Upper
117 100
119 93.9 77.5 116.3
121 31.1 25.6 38.4





#39

Methylcyclohexane

Concen: 52.500 ug/l

RT: 7.373 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

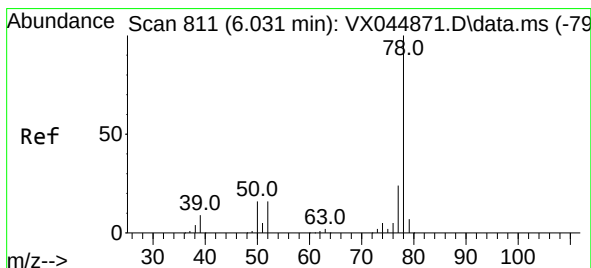
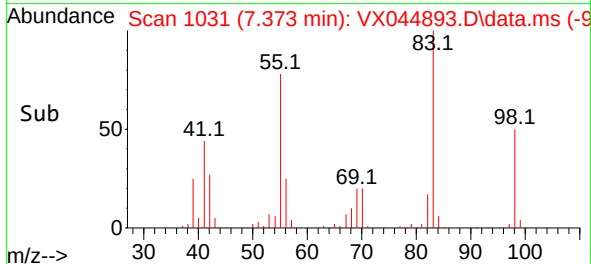
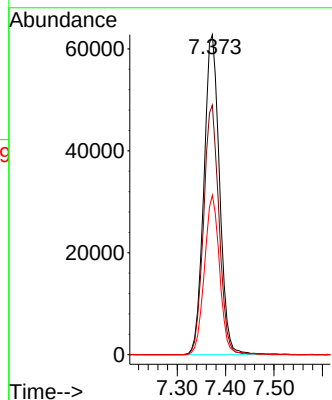
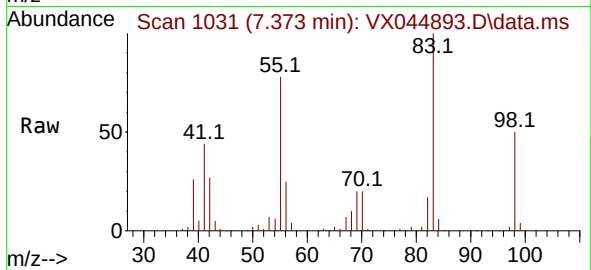
Tgt Ion: 83 Resp: 141217

Ion Ratio Lower Upper

83 100

55 78.0 61.3 91.9

98 49.8 37.0 55.6



#40

Benzene

Concen: 49.466 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX044893.D

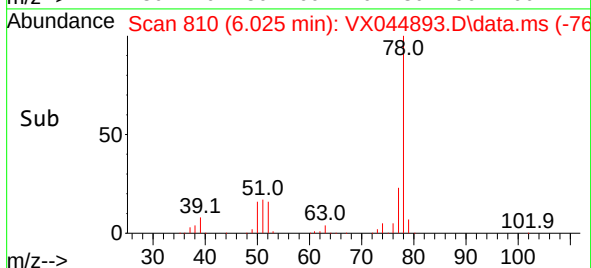
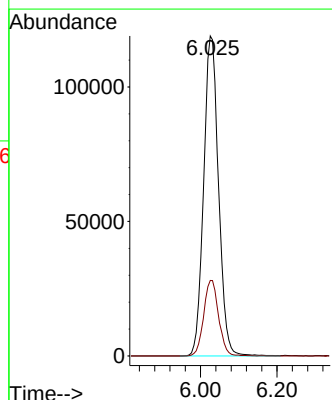
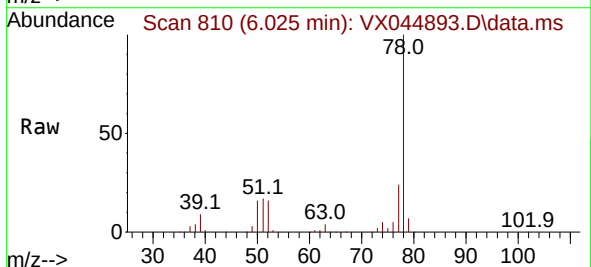
Acq: 11 Feb 2025 10:09

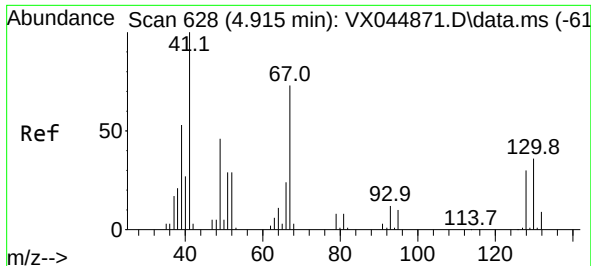
Tgt Ion: 78 Resp: 321371

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.6

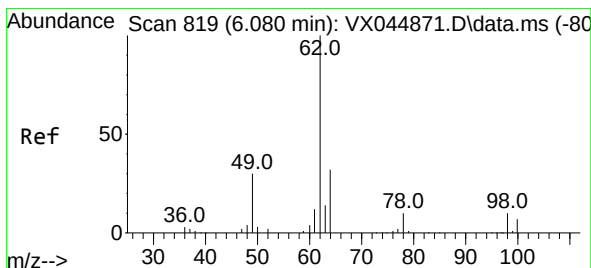
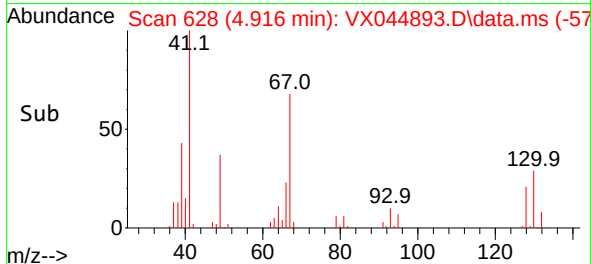
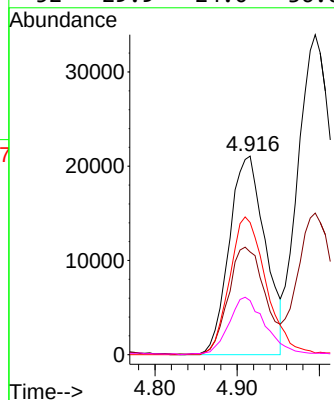
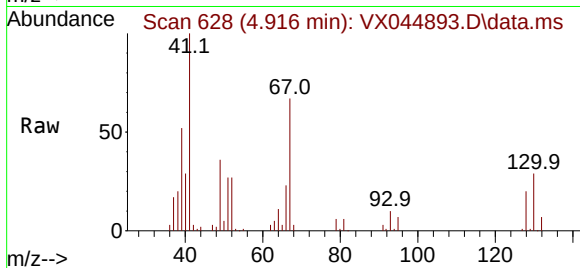




#41
Methacrylonitrile
Concen: 51.920 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

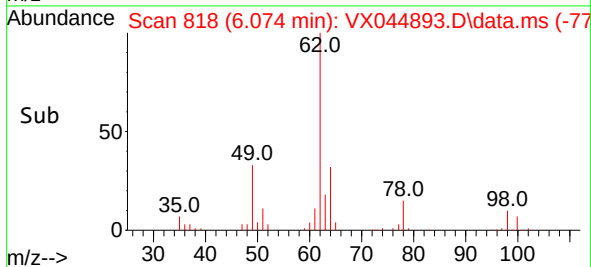
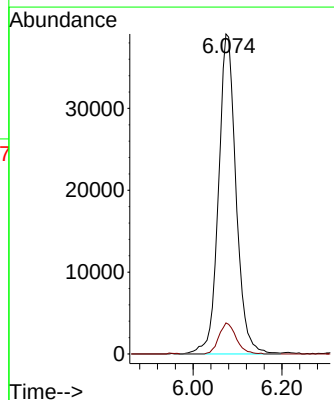
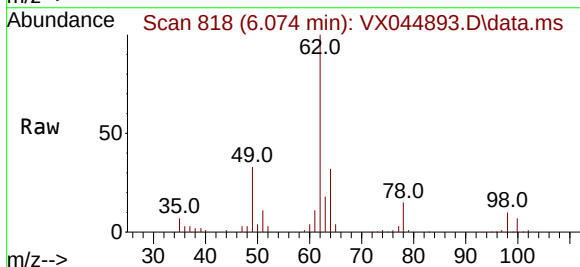
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

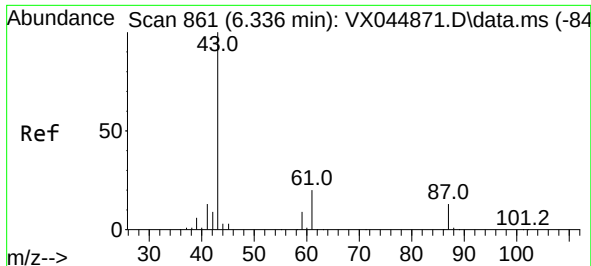
Tgt Ion:	41	Resp:	64313
Ion	Ratio	Lower	Upper
41	100		
39	54.4	43.1	64.7
67	70.9	57.0	85.6
52	29.9	24.0	36.0



#42
1,2-Dichloroethane
Concen: 51.582 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:	62	Resp:	106806
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4

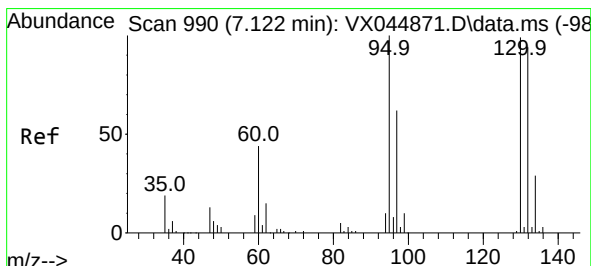
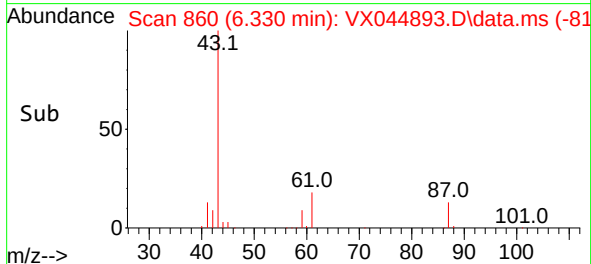
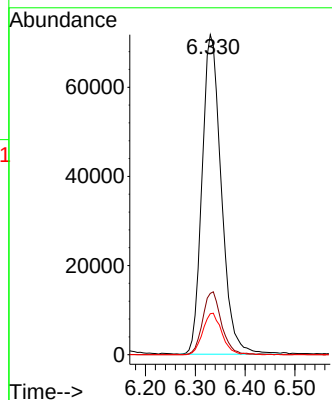
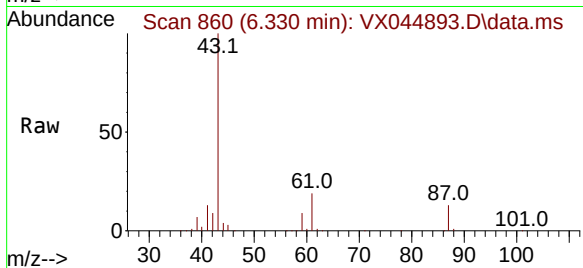




#43
Isopropyl Acetate
Concen: 51.503 ug/l
RT: 6.330 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

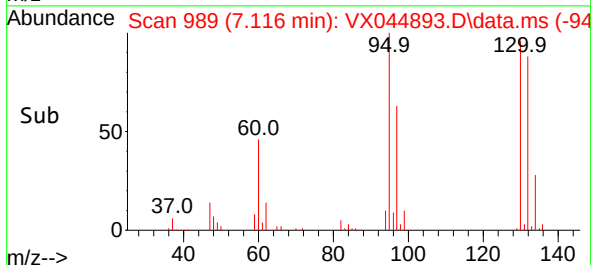
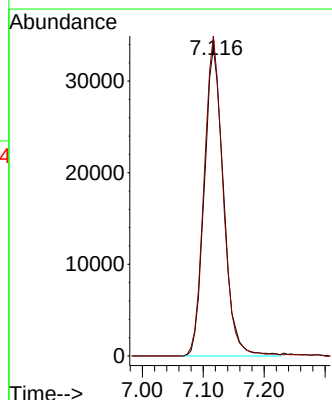
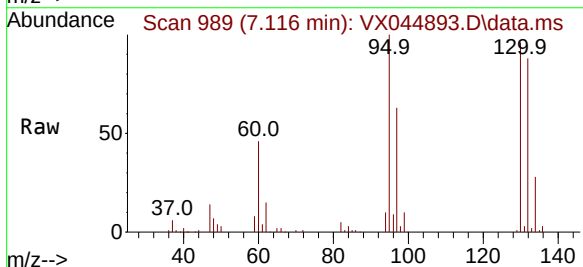
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

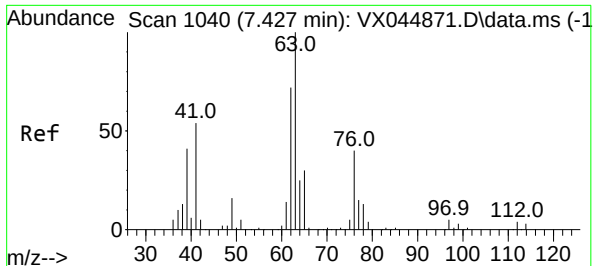
Tgt Ion: 43 Resp: 192468
Ion Ratio Lower Upper
43 100
61 19.2 15.8 23.8
87 12.9 10.0 15.0



#44
Trichloroethene
Concen: 49.838 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:130 Resp: 74009
Ion Ratio Lower Upper
130 100
95 103.7 0.0 202.4





#45

1,2-Dichloropropane

Concen: 50.862 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

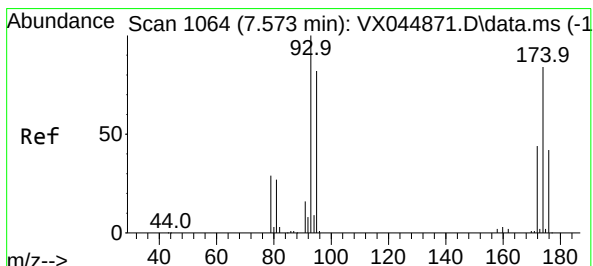
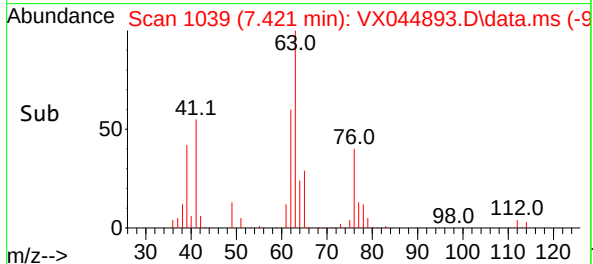
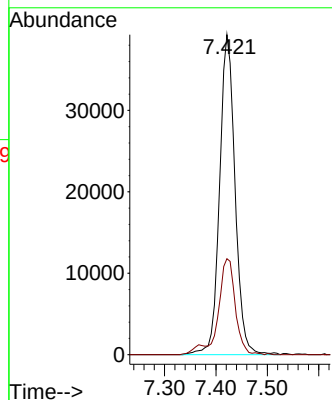
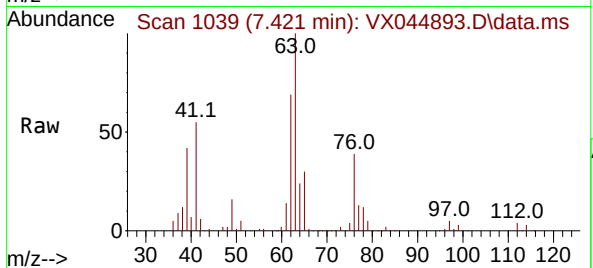
VSTDCCC050

Tgt Ion: 63 Resp: 82208

Ion Ratio Lower Upper

63 100

65 30.0 24.2 36.4



#46

Dibromomethane

Concen: 50.583 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

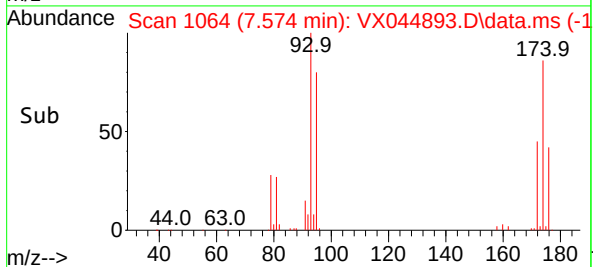
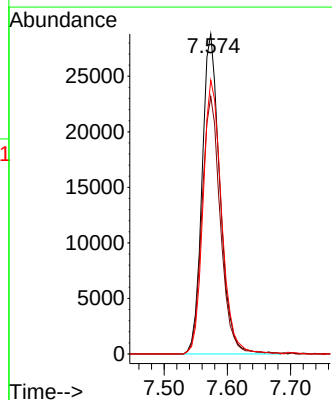
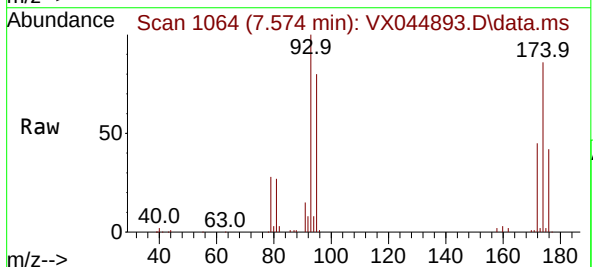
Tgt Ion: 93 Resp: 56698

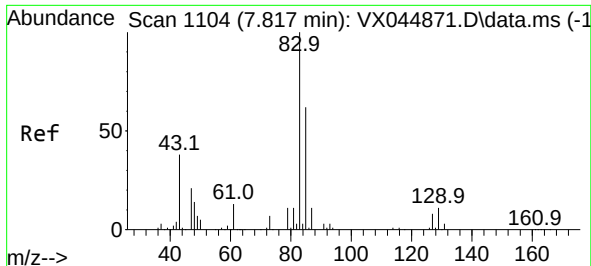
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

174 88.6 69.9 104.9

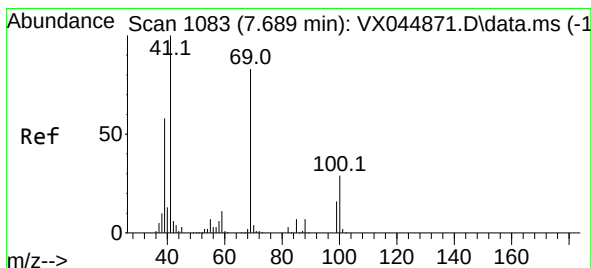
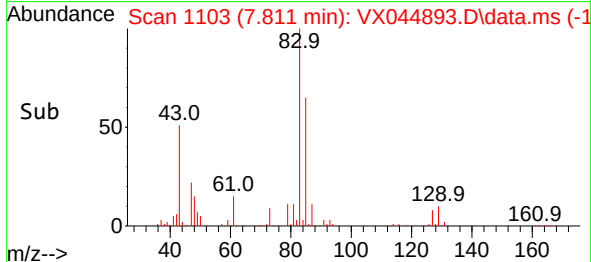
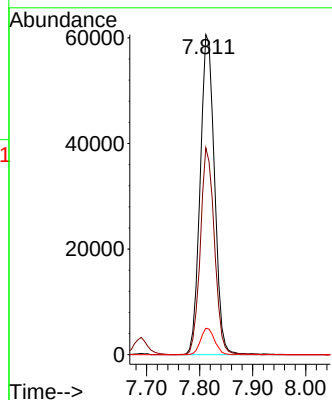
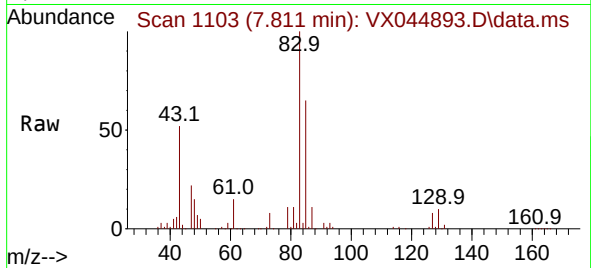




#47
Bromodichloromethane
Concen: 52.576 ug/l
RT: 7.811 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

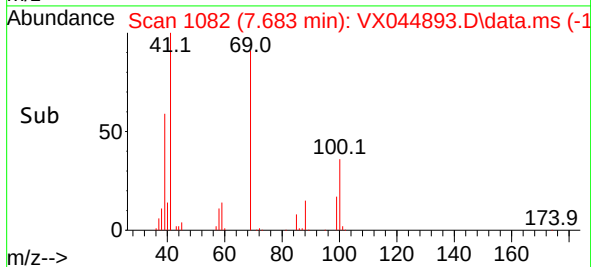
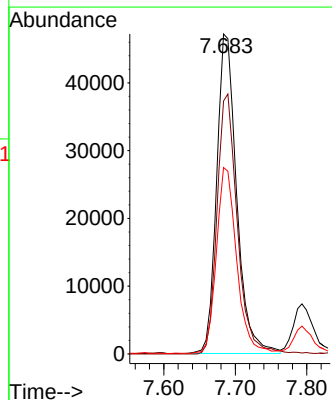
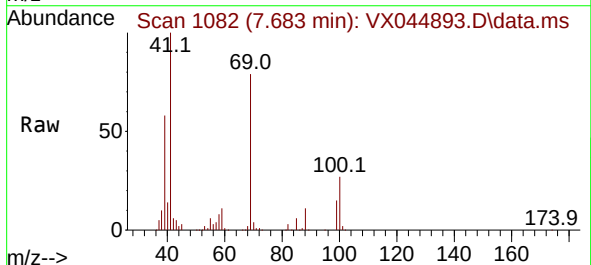
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

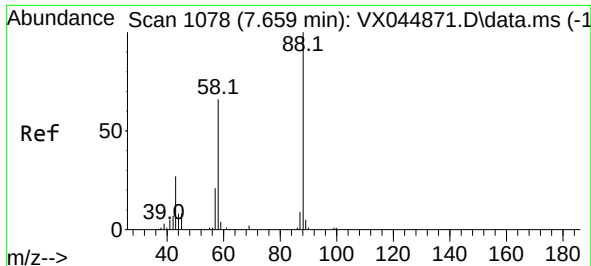
Tgt Ion: 83 Resp: 114110
Ion Ratio Lower Upper
83 100
85 64.5 50.0 75.0
127 8.3 6.4 9.6



#48
Methyl methacrylate
Concen: 52.037 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 41 Resp: 91692
Ion Ratio Lower Upper
41 100
69 82.6 65.8 98.8
39 58.8 46.4 69.6





#49

1,4-Dioxane

Concen: 1023.303 ug/l

RT: 7.659 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

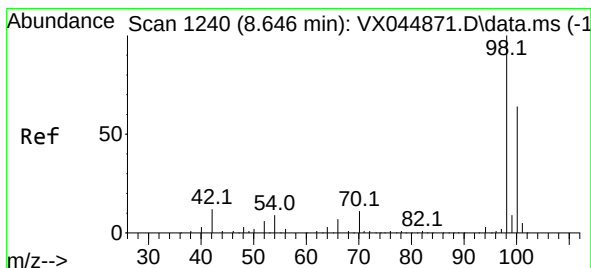
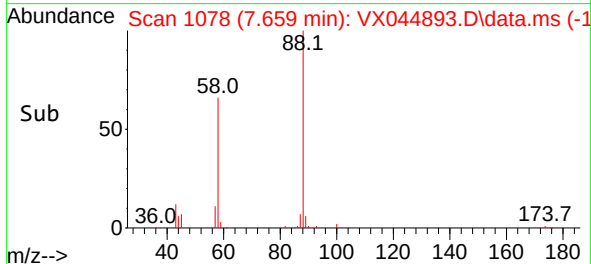
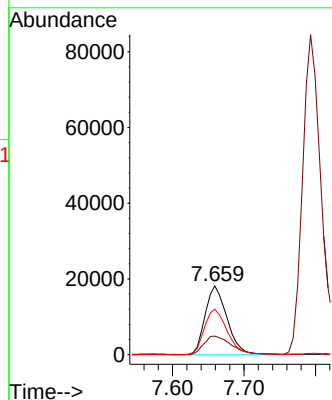
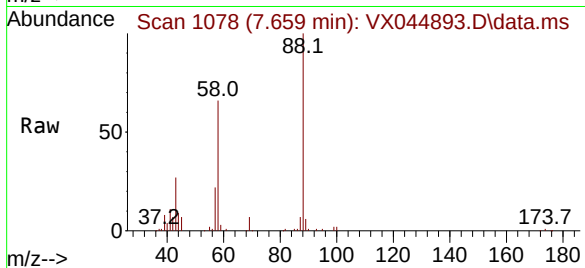
Tgt Ion: 88 Resp: 38686

Ion Ratio Lower Upper

88 100

43 34.4 26.6 39.8

58 69.4 55.9 83.9



#50

Toluene-d8

Concen: 50.049 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX044893.D

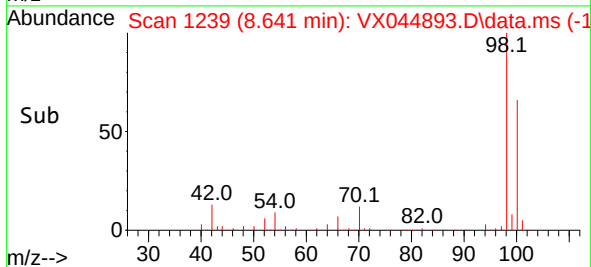
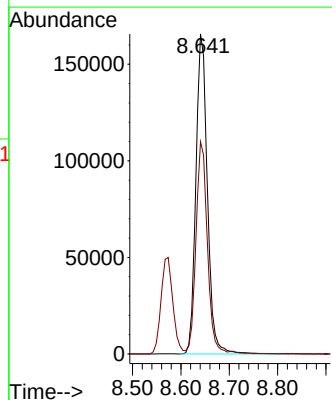
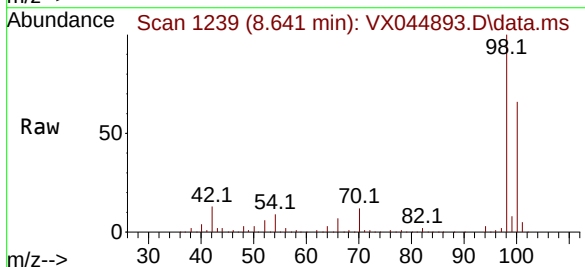
Acq: 11 Feb 2025 10:09

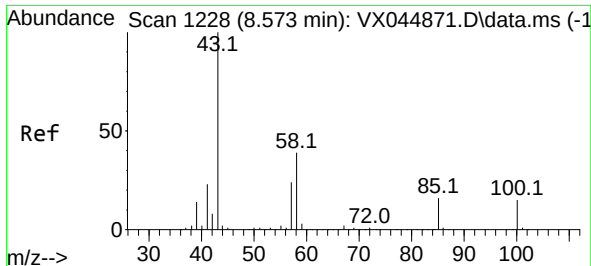
Tgt Ion: 98 Resp: 272926

Ion Ratio Lower Upper

98 100

100 66.2 52.7 79.1

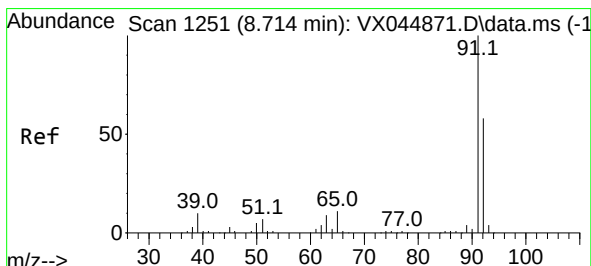
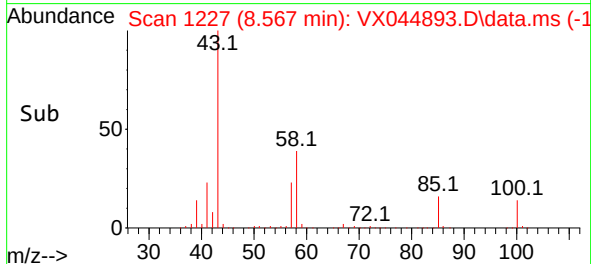
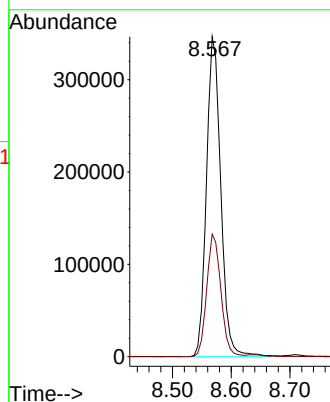
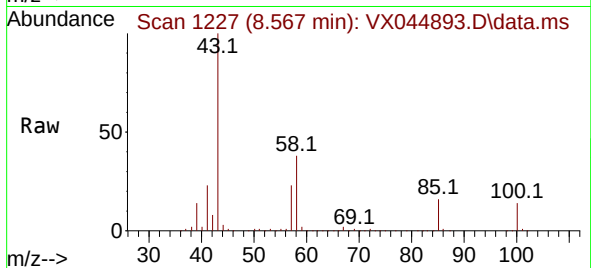




#51
4-Methyl-2-Pentanone
Concen: 258.917 ug/l
RT: 8.567 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

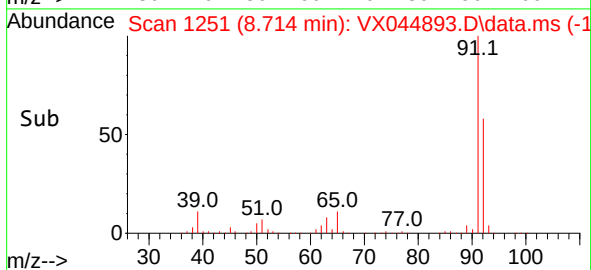
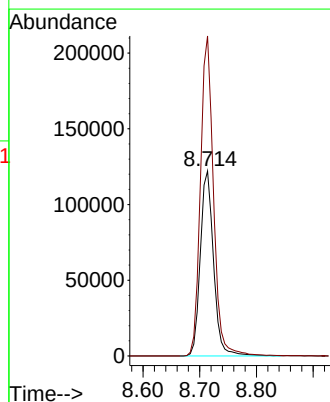
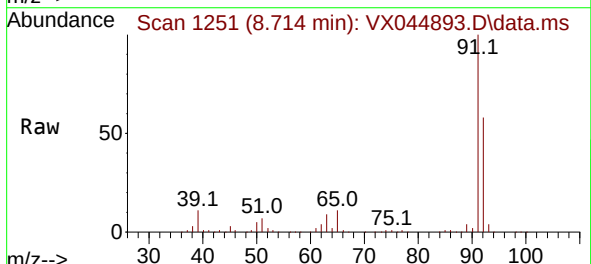
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

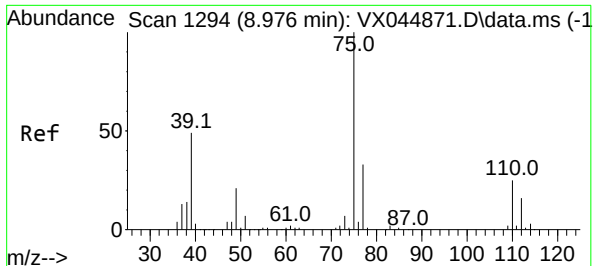
Tgt Ion: 43 Resp: 588239
Ion Ratio Lower Upper
43 100
58 37.8 30.8 46.2



#52
Toluene
Concen: 51.182 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 92 Resp: 198031
Ion Ratio Lower Upper
92 100
91 170.6 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 53.069 ug/l

RT: 8.970 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

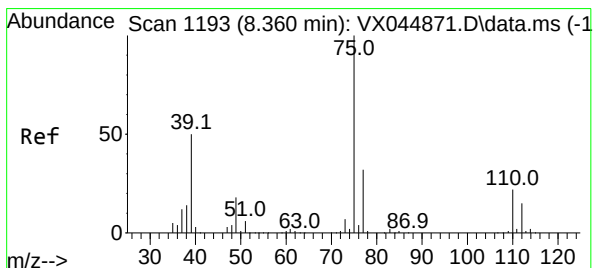
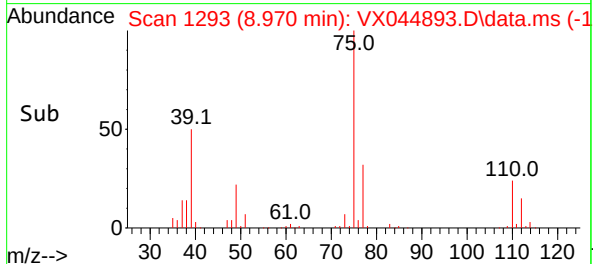
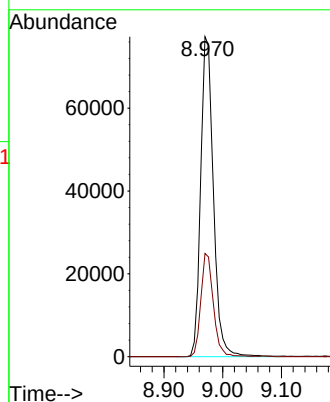
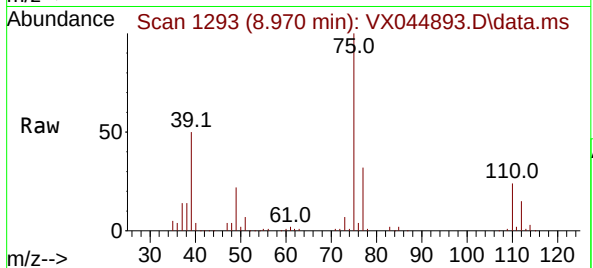
VSTDCCC050

Tgt Ion: 75 Resp: 116558

Ion Ratio Lower Upper

75 100

77 32.3 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 53.044 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

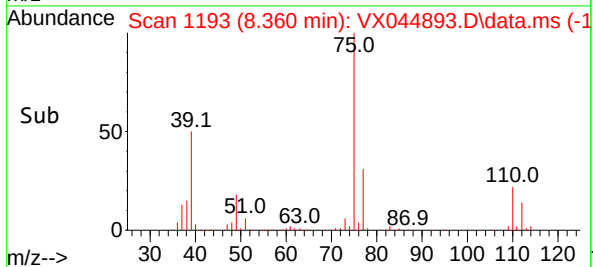
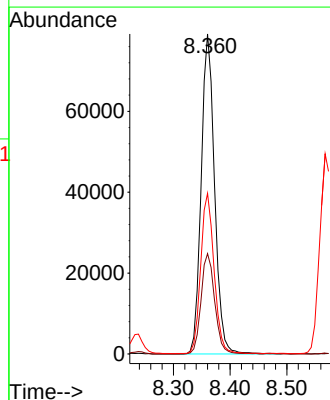
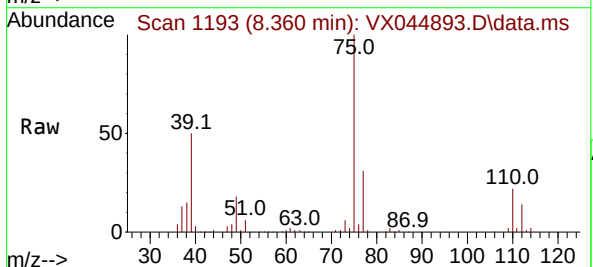
Tgt Ion: 75 Resp: 129895

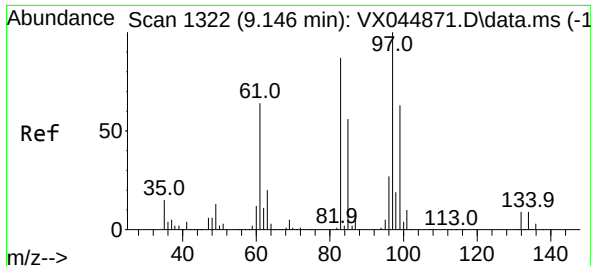
Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9

39 50.1 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 51.281 ug/l

RT: 9.147 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 76273

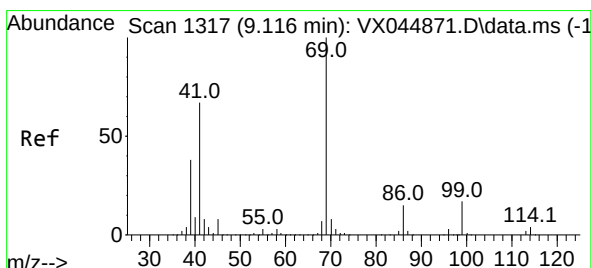
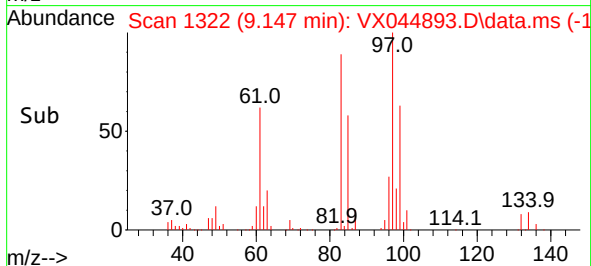
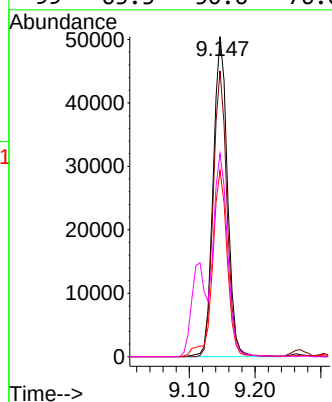
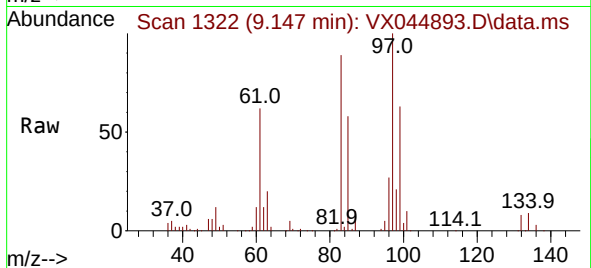
Ion Ratio Lower Upper

97 100

83 89.3 69.8 104.6

85 58.2 44.8 67.2

99 63.3 50.6 76.0



#56

Ethyl methacrylate

Concen: 52.771 ug/l

RT: 9.110 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

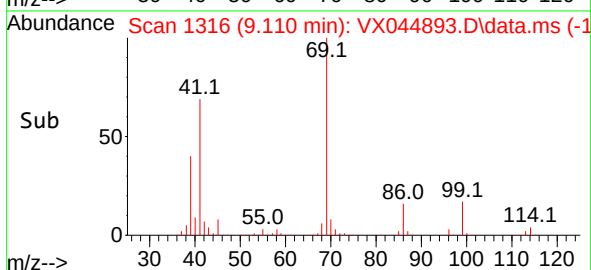
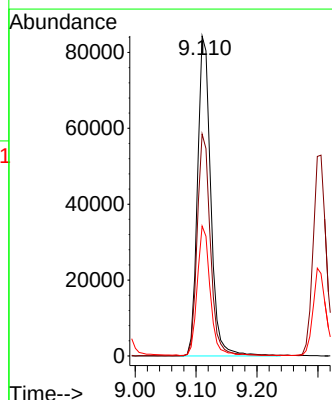
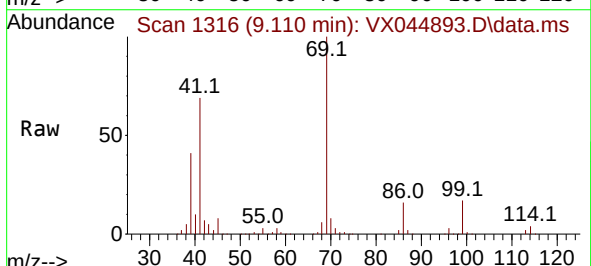
Tgt Ion: 69 Resp: 126768

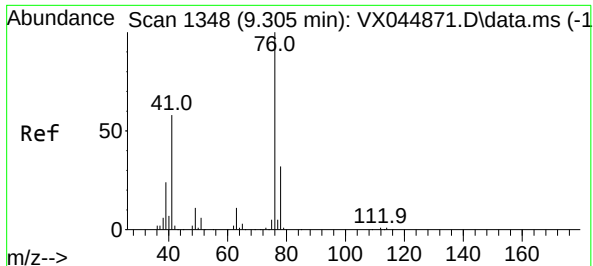
Ion Ratio Lower Upper

69 100

41 69.0 55.2 82.8

39 39.6 30.8 46.2





#57

1,3-Dichloropropane

Concen: 51.191 ug/l

RT: 9.305 min Scan# 1134

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

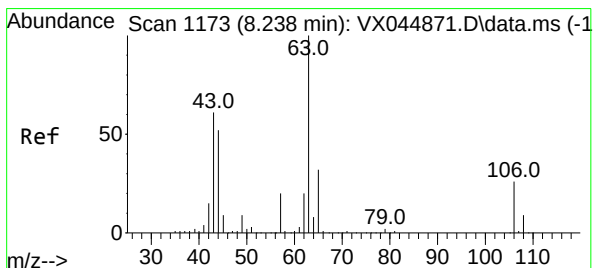
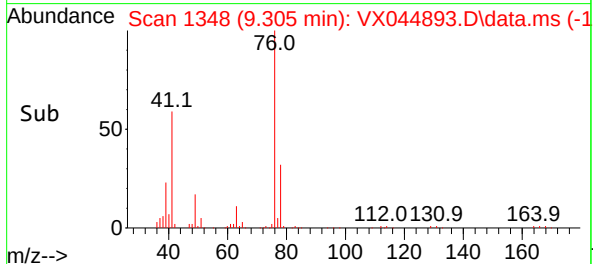
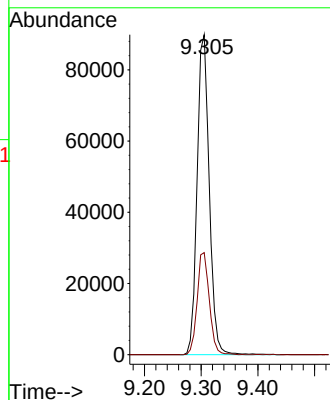
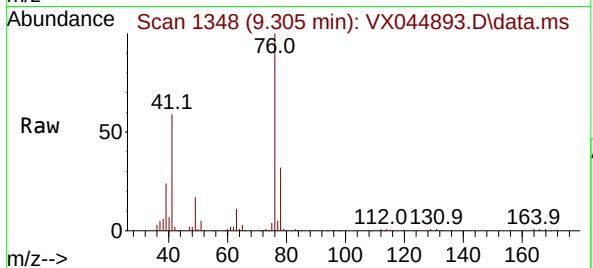
VSTDCCC050

Tgt Ion: 76 Resp: 133222

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 306.841 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044893.D

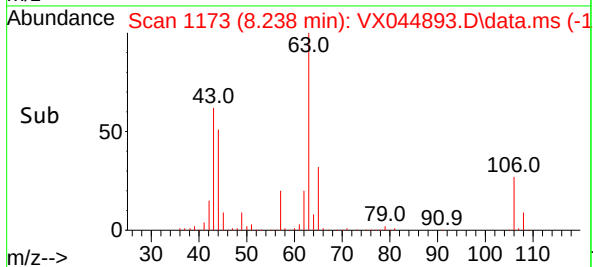
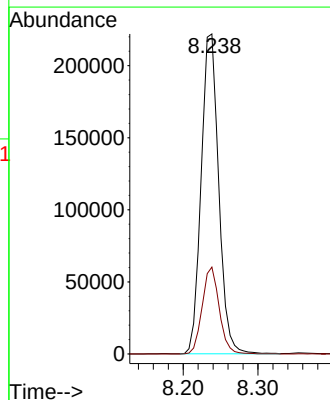
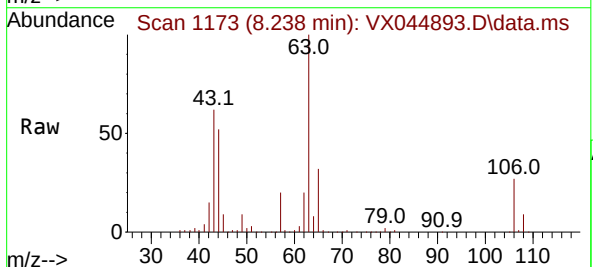
Acq: 11 Feb 2025 10:09

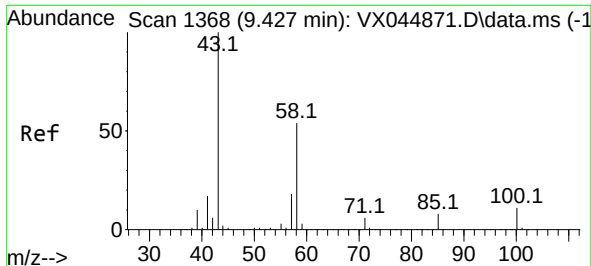
Tgt Ion: 63 Resp: 361927

Ion Ratio Lower Upper

63 100

106 26.3 21.3 31.9





#59

2-Hexanone

Concen: 259.830 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

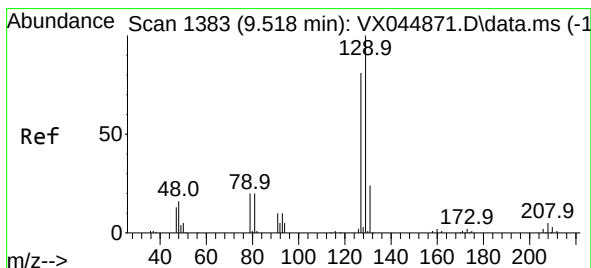
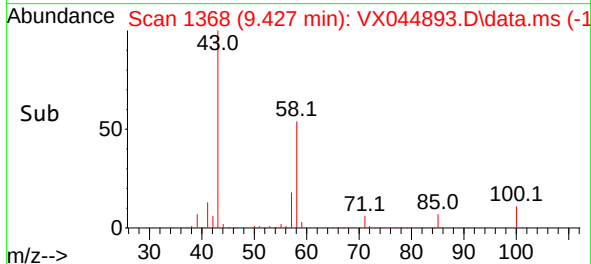
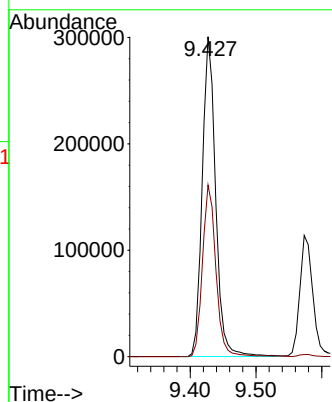
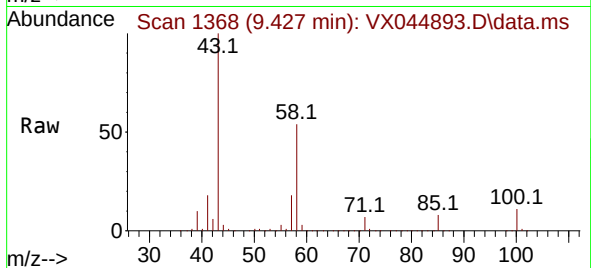
VSTDCCC050

Tgt Ion: 43 Resp: 425326

Ion Ratio Lower Upper

43 100

58 54.1 27.5 82.4



#60

Dibromochloromethane

Concen: 52.573 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044893.D

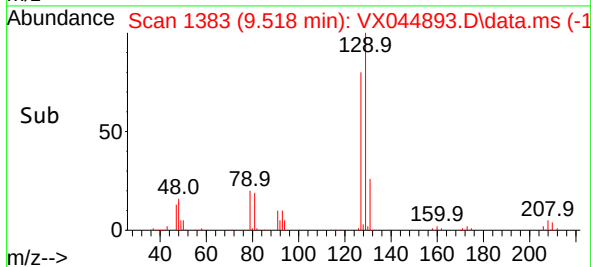
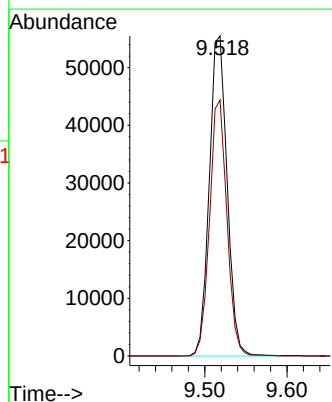
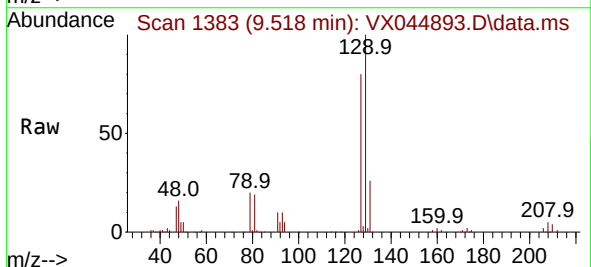
Acq: 11 Feb 2025 10:09

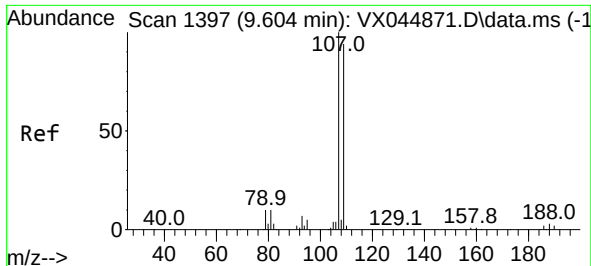
Tgt Ion: 129 Resp: 83627

Ion Ratio Lower Upper

129 100

127 77.9 39.1 117.3

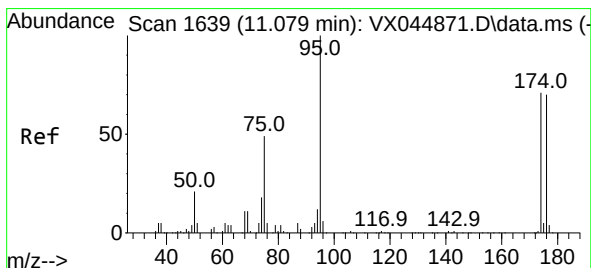
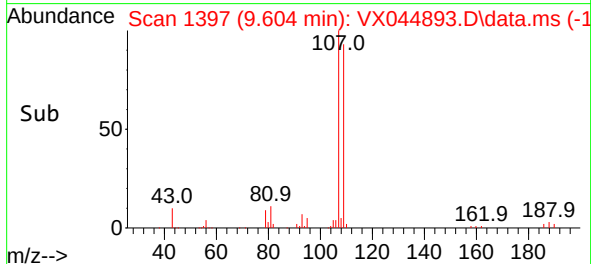
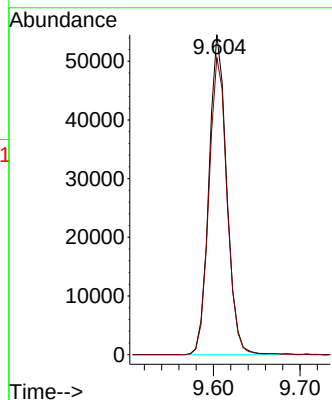
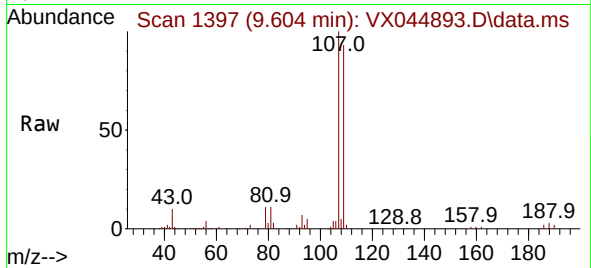




#61
1,2-Dibromoethane
Concen: 51.469 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

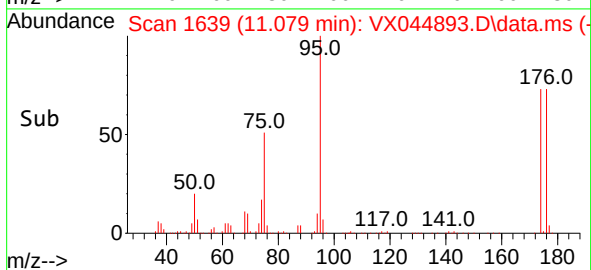
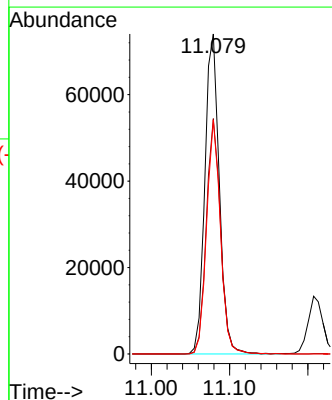
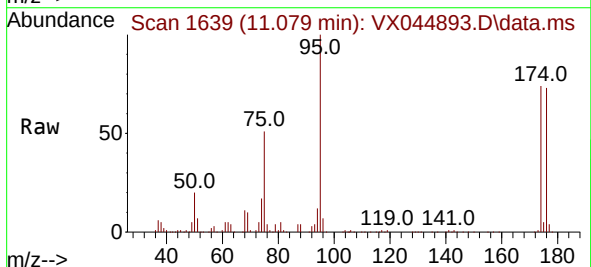
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

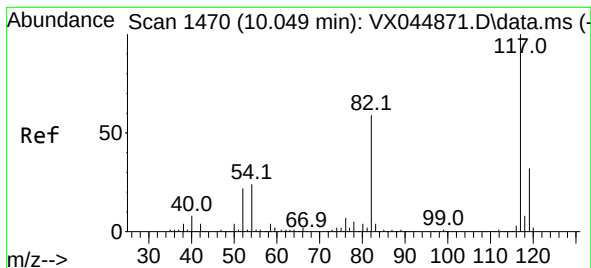
Tgt Ion:107 Resp: 77591
Ion Ratio Lower Upper
107 100
109 94.9 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 51.425 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 95 Resp: 94539
Ion Ratio Lower Upper
95 100
174 72.5 0.0 142.6
176 70.1 0.0 141.6

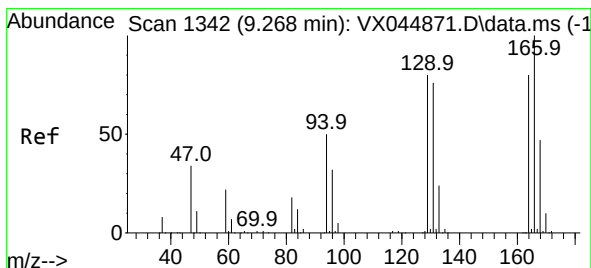
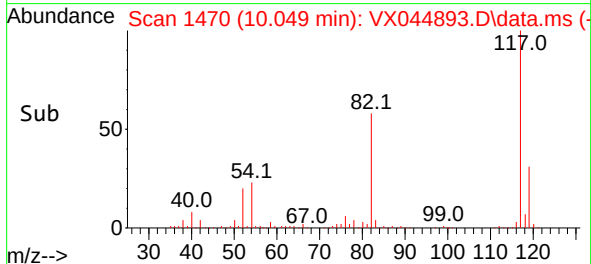
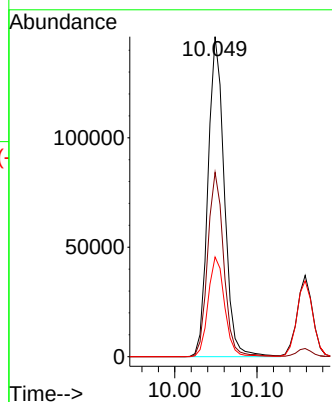
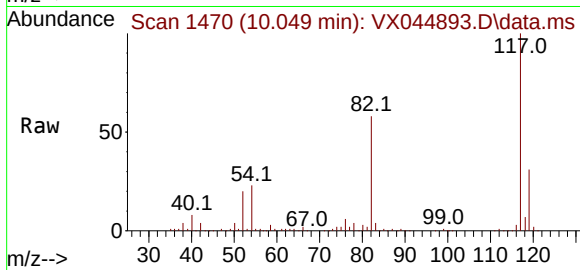




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

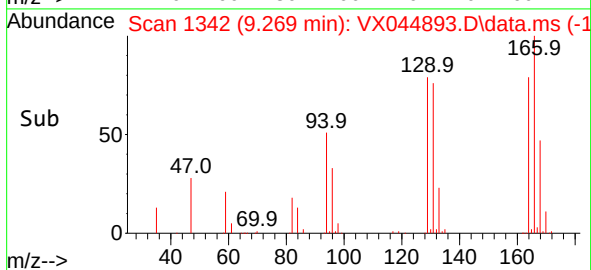
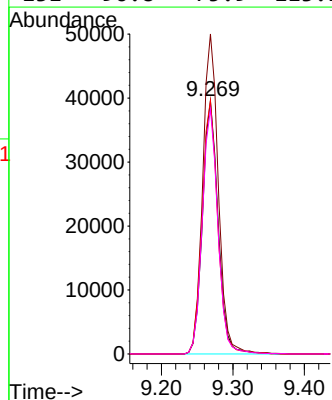
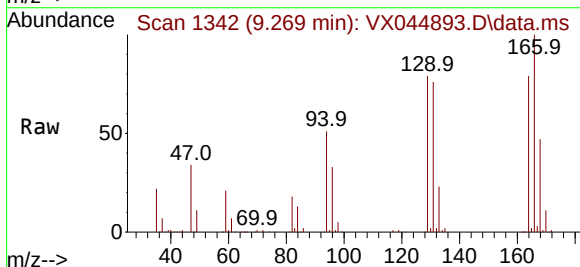
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

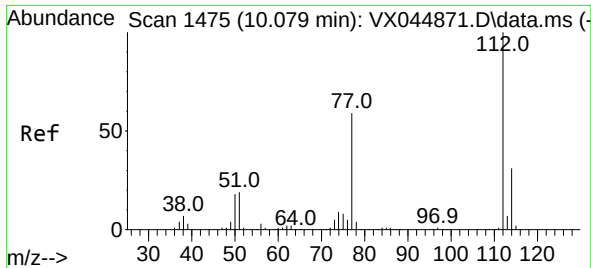
Tgt Ion:117 Resp: 200705
Ion Ratio Lower Upper
117 100
82 57.6 47.5 71.3
119 31.1 25.4 38.0



#64
Tetrachloroethene
Concen: 47.492 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:164 Resp: 60113
Ion Ratio Lower Upper
164 100
166 126.5 100.4 150.6
129 100.3 79.9 119.9
131 96.8 75.9 113.9

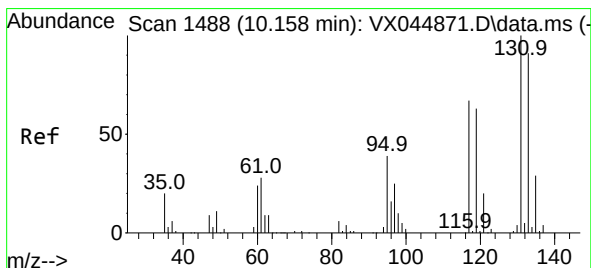
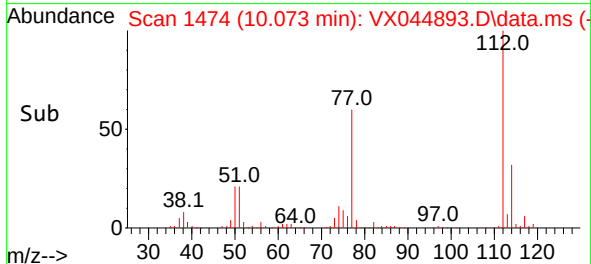
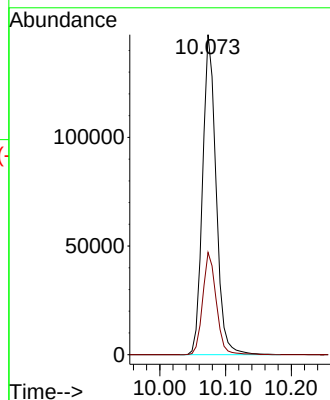
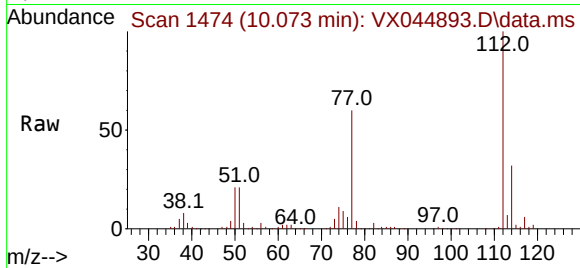




#65
Chlorobenzene
Concen: 48.859 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

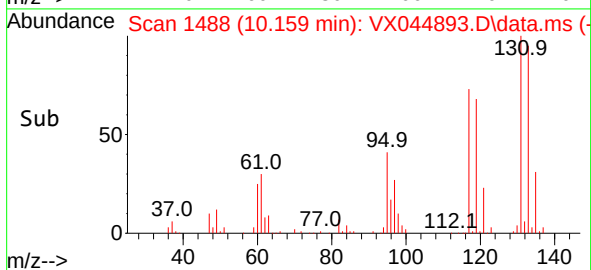
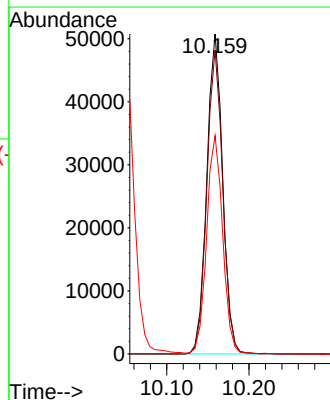
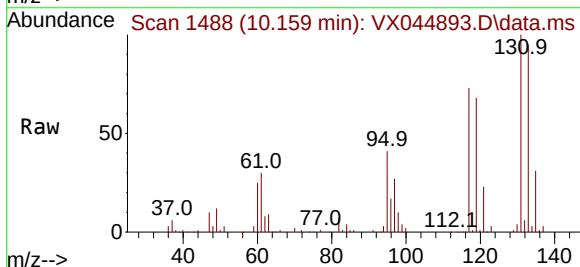
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

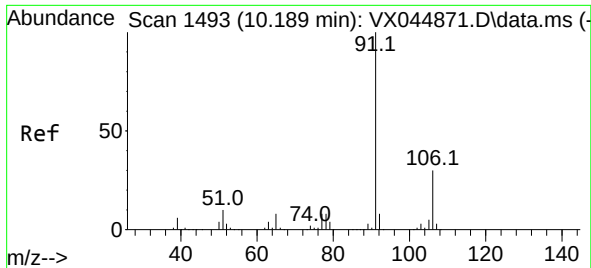
Tgt Ion:112 Resp: 210623
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.166 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:131 Resp: 68219
Ion Ratio Lower Upper
131 100
133 94.9 47.1 141.3
119 69.0 33.6 100.6

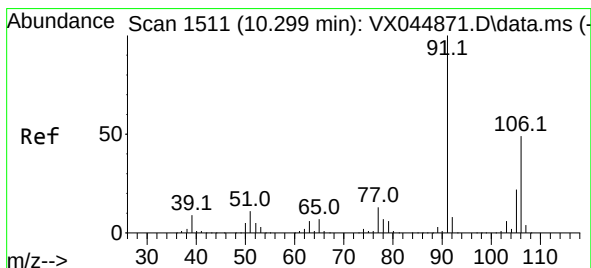
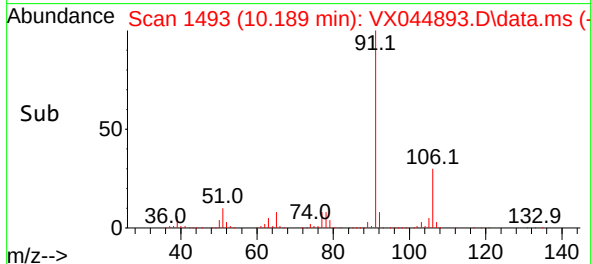
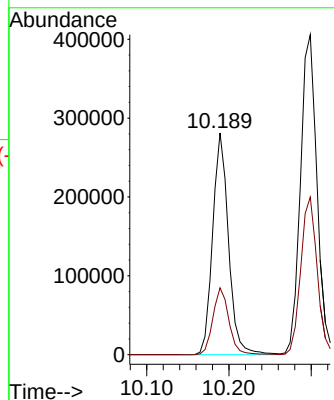
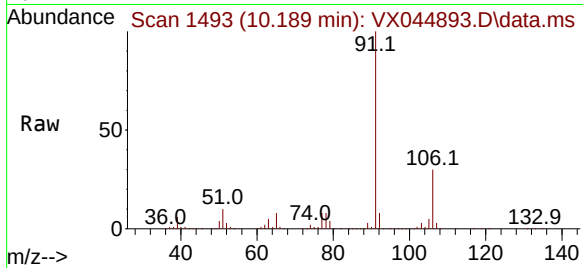




#67
Ethyl Benzene
Concen: 49.568 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

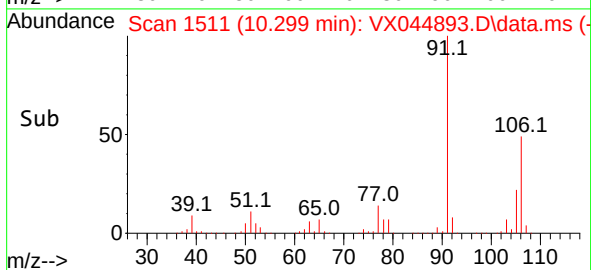
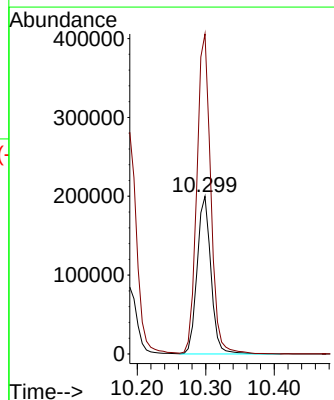
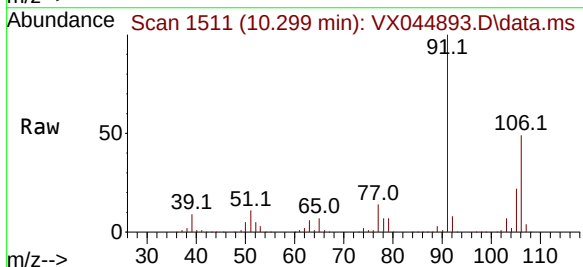
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

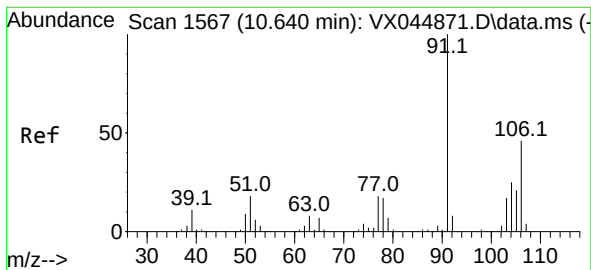
Tgt Ion: 91 Resp: 377075
Ion Ratio Lower Upper
91 100
106 30.1 23.9 35.9



#68
m/p-Xylenes
Concen: 99.986 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:106 Resp: 280582
Ion Ratio Lower Upper
106 100
91 204.3 164.3 246.5

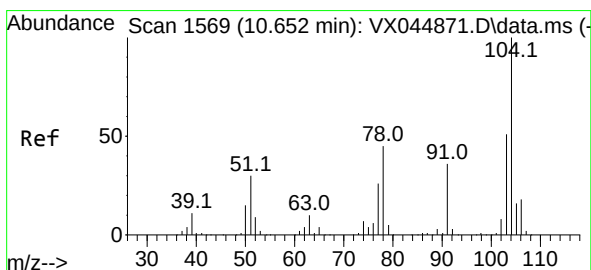
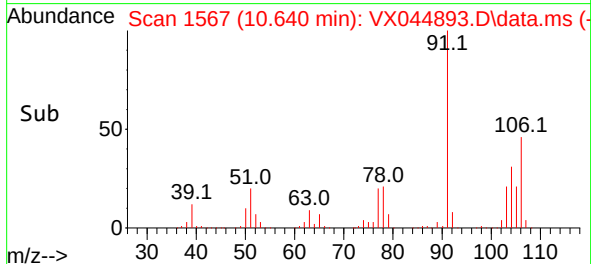
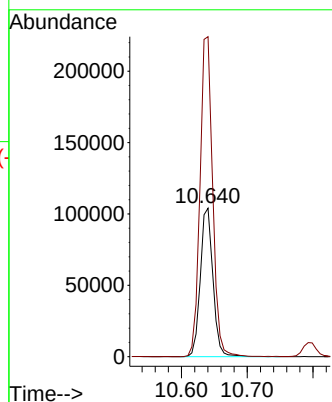
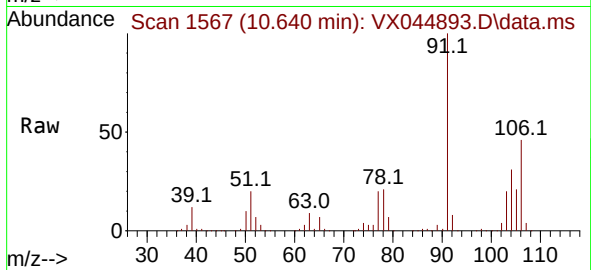




#69
o-Xylene
Concen: 49.270 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

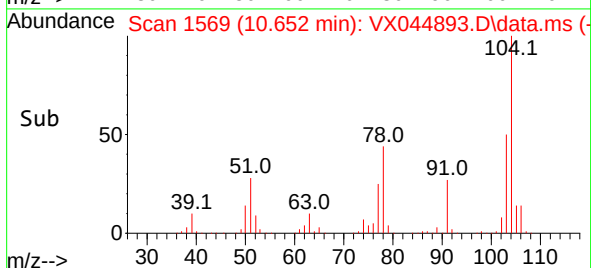
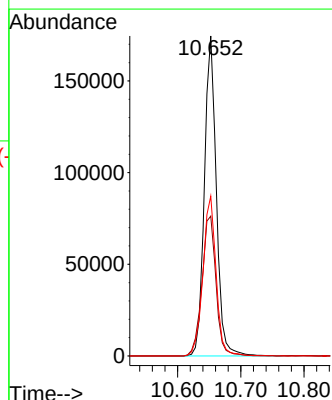
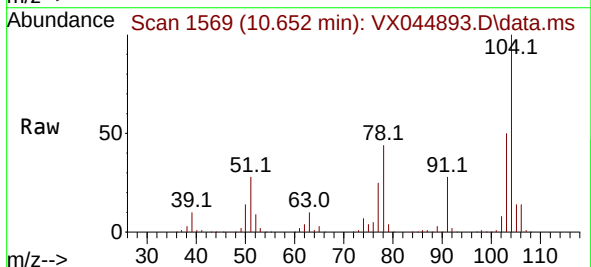
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

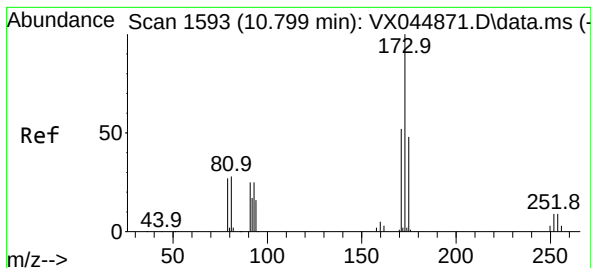
Tgt Ion:106 Resp: 138735
Ion Ratio Lower Upper
106 100
91 216.9 108.5 325.5



#70
Styrene
Concen: 50.735 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:104 Resp: 230163
Ion Ratio Lower Upper
104 100
78 51.3 40.5 60.7
103 54.8 43.6 65.4





#71

Bromoform

Concen: 51.218 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

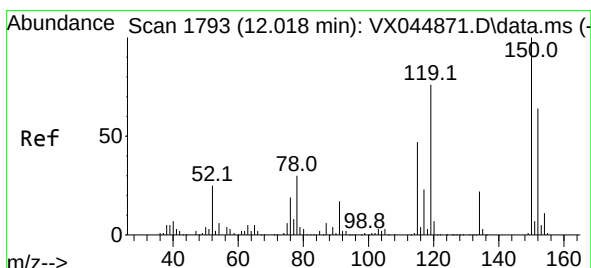
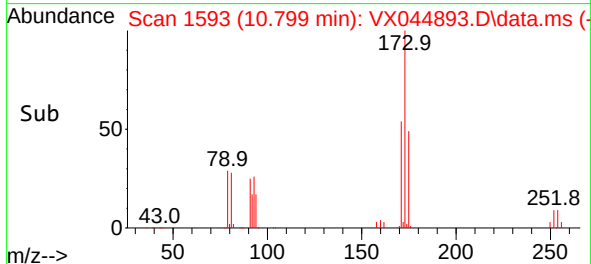
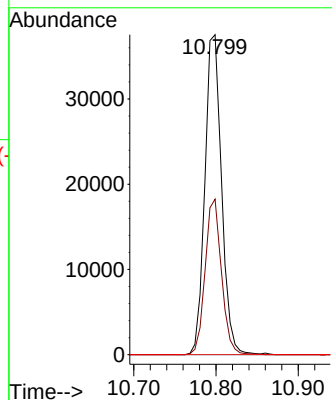
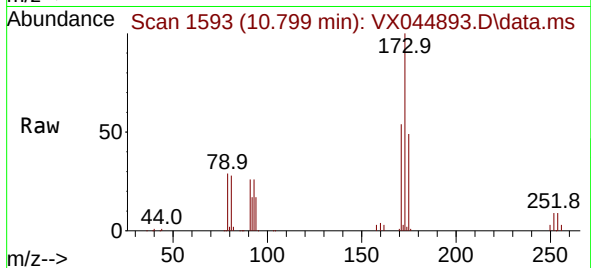
Tgt Ion:173 Resp: 53037

Ion Ratio Lower Upper

173 100

175 47.6 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: VX044893.D

Acq: 11 Feb 2025 10:09

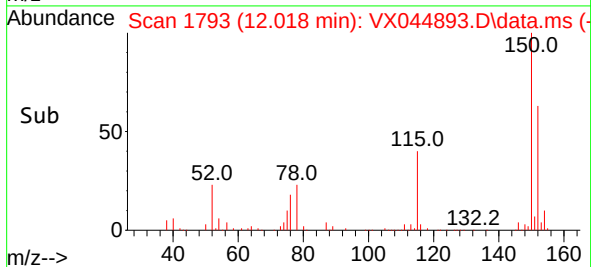
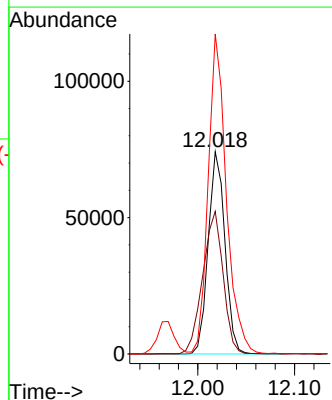
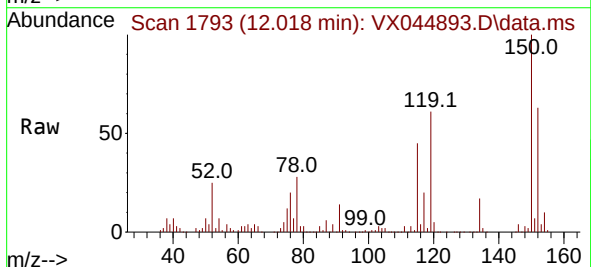
Tgt Ion:152 Resp: 89456

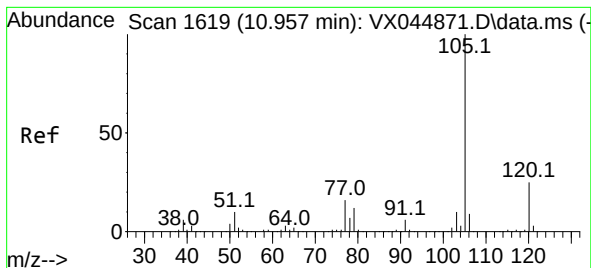
Ion Ratio Lower Upper

152 100

115 86.1 43.4 130.1

150 170.8 0.0 350.4





#73

Isopropylbenzene

Concen: 49.263 ug/l

RT: 10.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

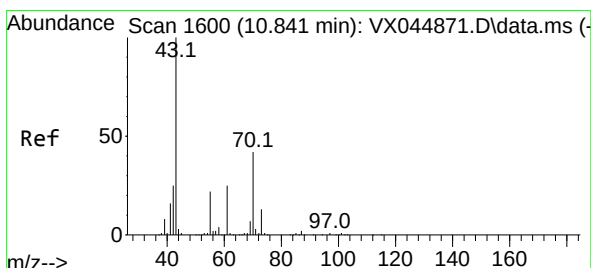
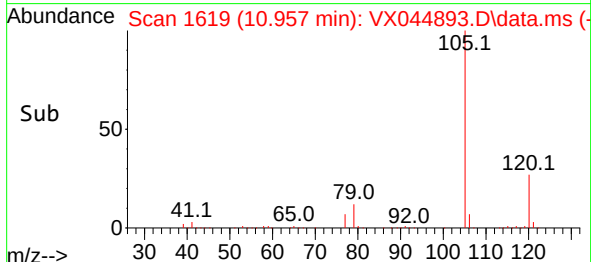
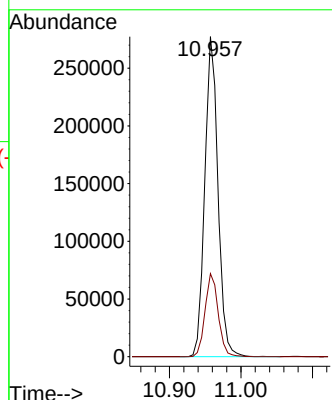
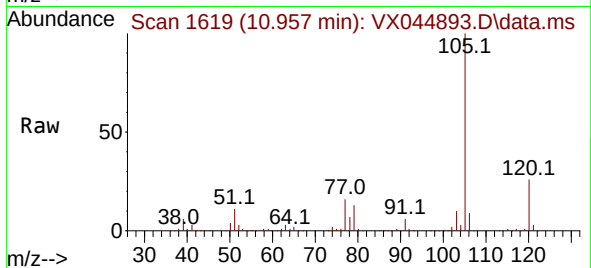
VSTDCCC050

Tgt Ion:105 Resp: 354838

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.5



#74

N-ethyl acetate

Concen: 51.000 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Tgt Ion: 43 Resp: 166229

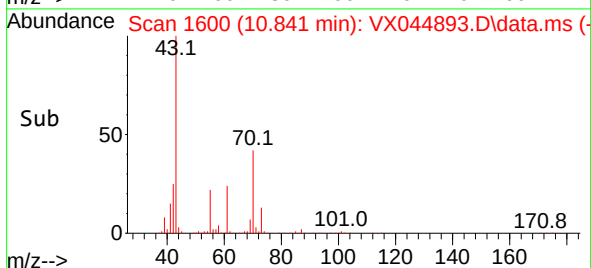
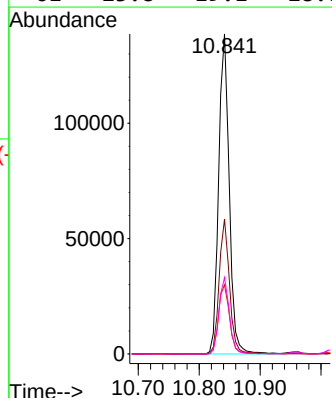
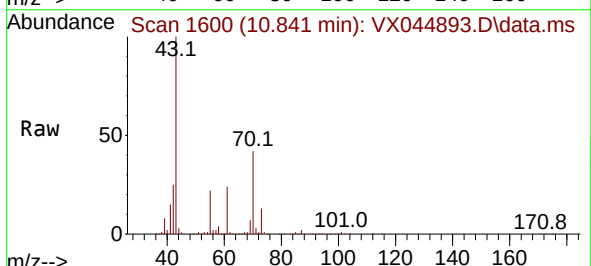
Ion Ratio Lower Upper

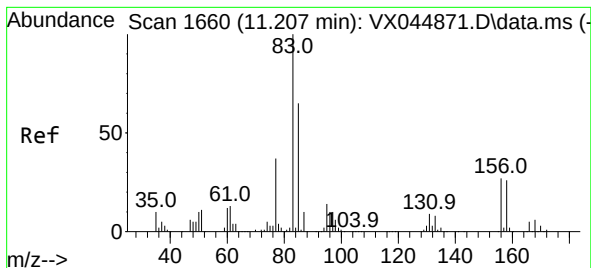
43 100

70 41.6 33.7 50.5

55 22.6 18.6 27.8

61 23.8 19.1 28.7

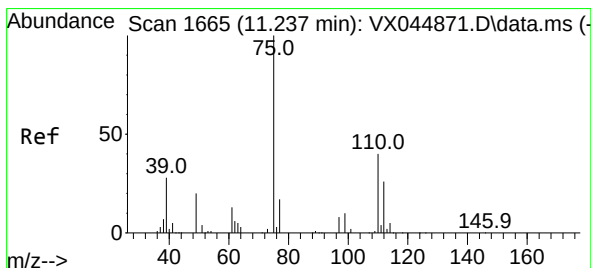
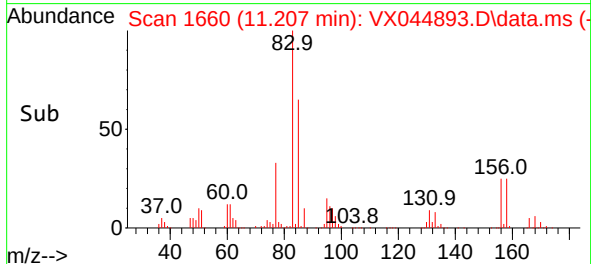
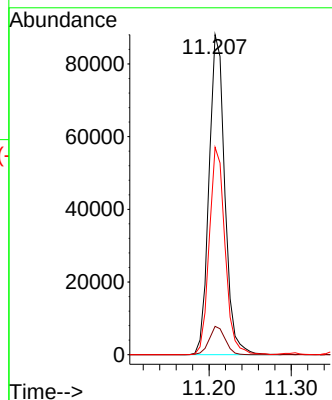
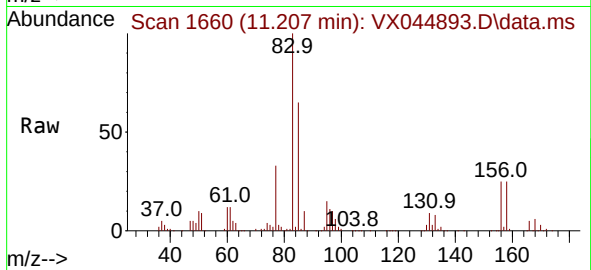




#75
1,1,2,2-Tetrachloroethane
Concen: 47.393 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

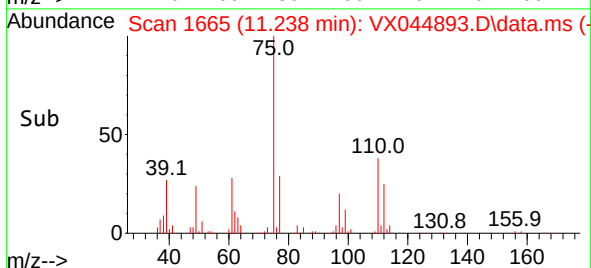
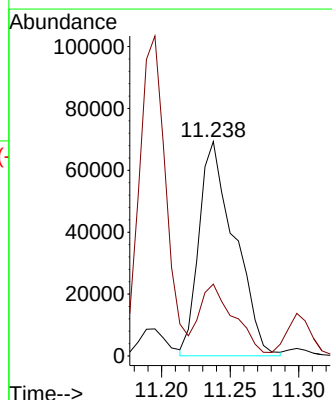
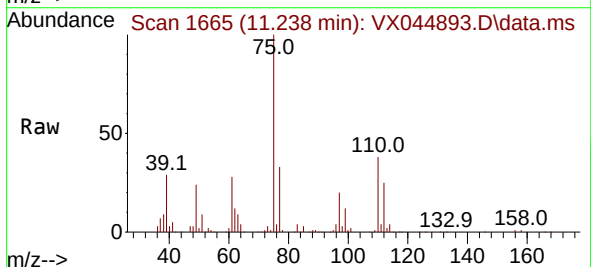
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

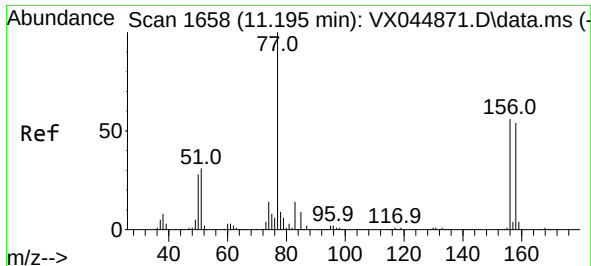
Tgt Ion: 83 Resp: 117303
Ion Ratio Lower Upper
83 100
131 8.9 4.5 13.5
85 64.7 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 63.199 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 75 Resp: 125348
Ion Ratio Lower Upper
75 100
77 32.7 21.9 65.7

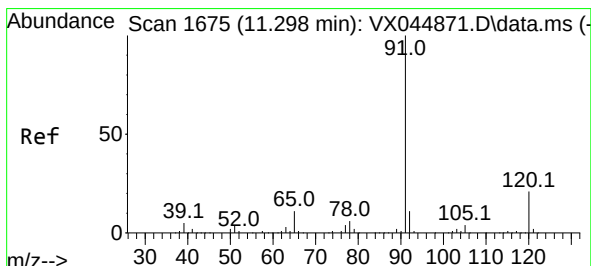
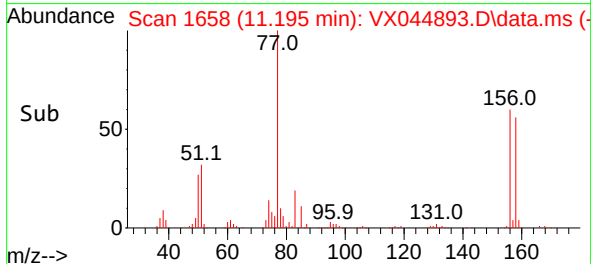
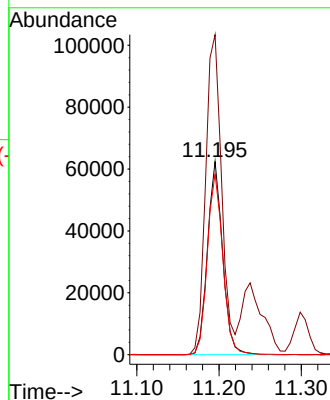
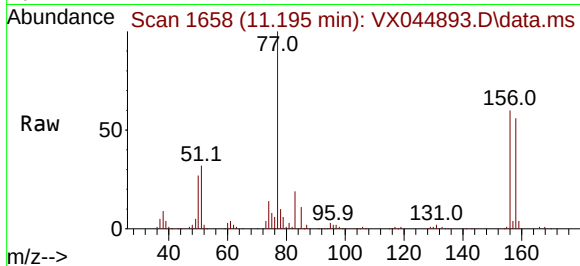




#77
Bromobenzene
Concen: 48.866 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

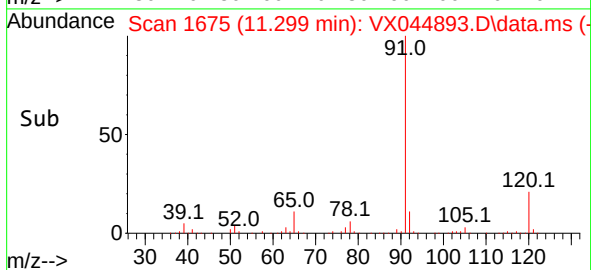
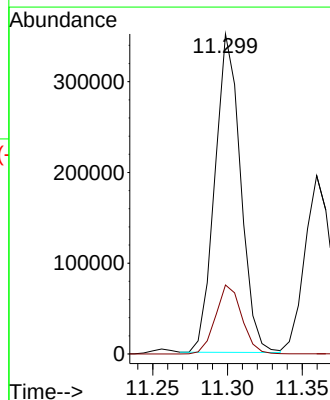
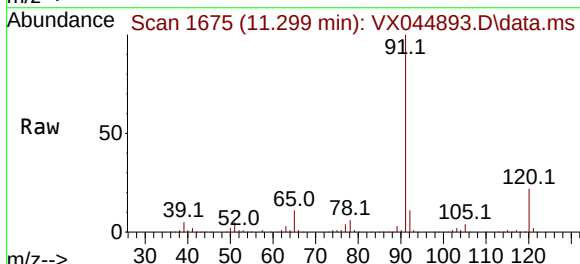
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

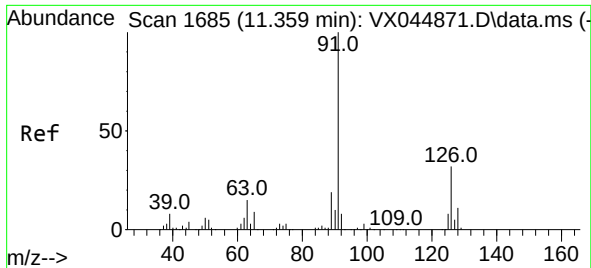
Tgt Ion:156 Resp: 79799
Ion Ratio Lower Upper
156 100
77 174.7 88.4 265.3
158 96.0 48.4 145.2



#78
n-propylbenzene
Concen: 50.565 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 91 Resp: 420391
Ion Ratio Lower Upper
91 100
120 22.2 11.1 33.3

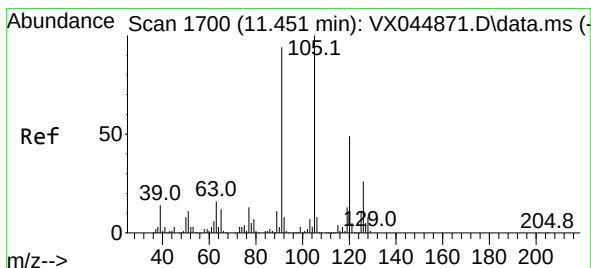
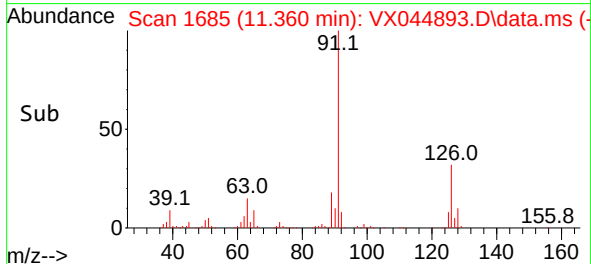
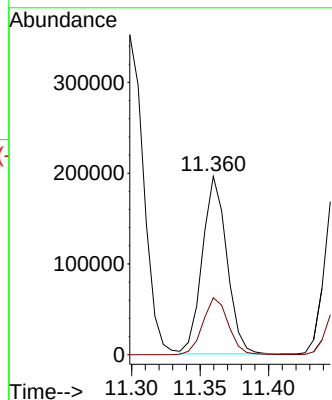
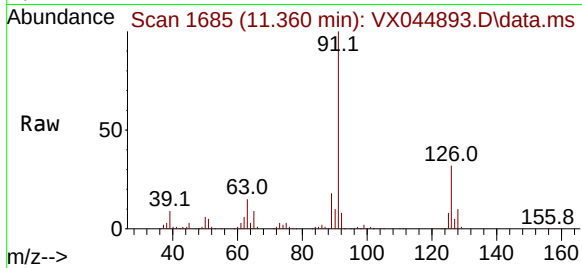




#79
2-Chlorotoluene
Concen: 47.642 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

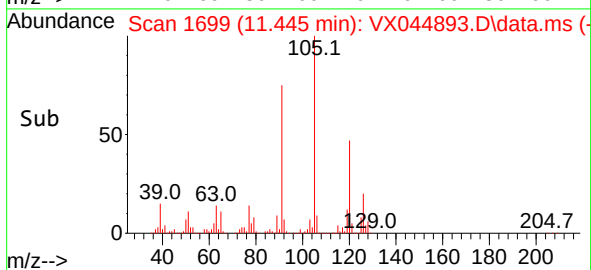
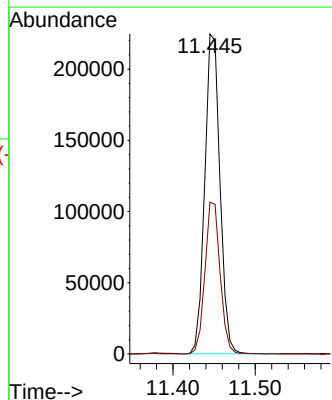
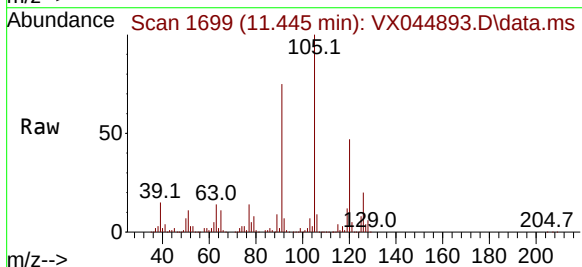
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

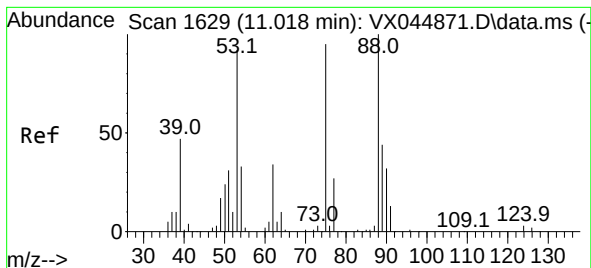
Tgt Ion: 91 Resp: 243433
Ion Ratio Lower Upper
91 100
126 33.3 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 49.408 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 105 Resp: 288797
Ion Ratio Lower Upper
105 100
120 47.5 24.0 72.0

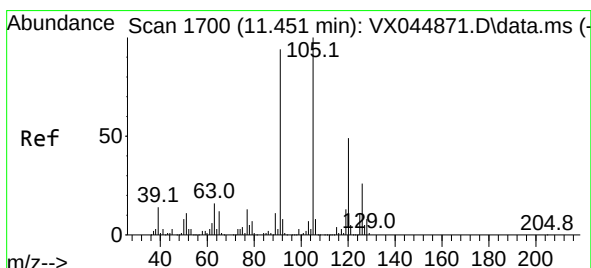
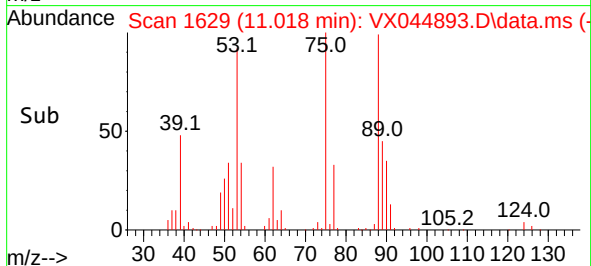
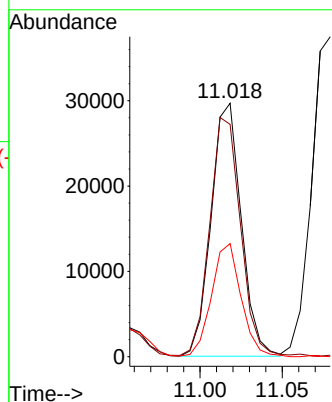
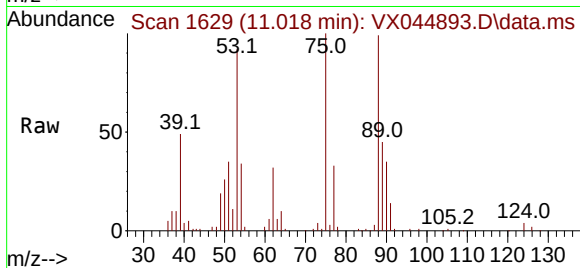




#81
trans-1,4-Dichloro-2-butene
Concen: 49.096 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

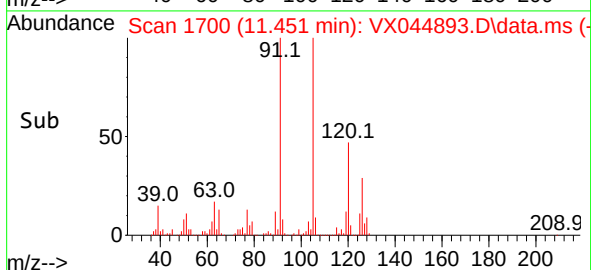
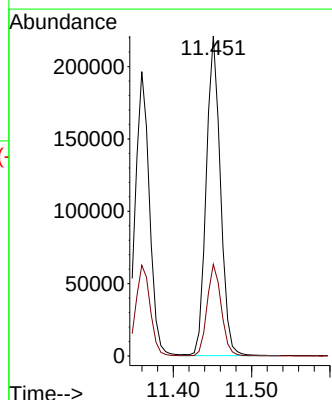
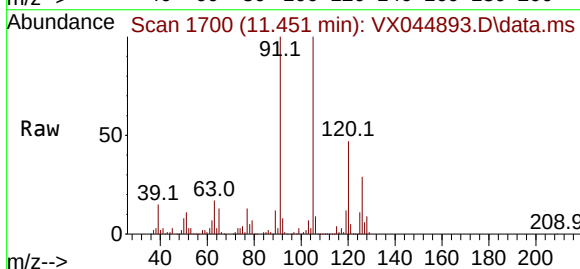
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

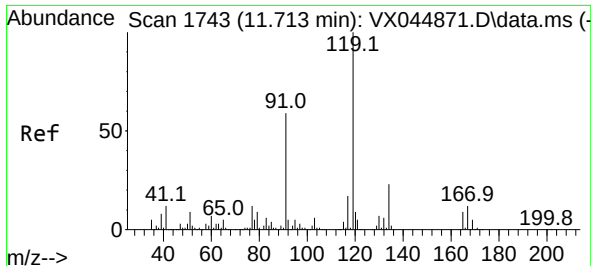
Tgt Ion: 75 Resp: 37854
Ion Ratio Lower Upper
75 100
53 96.6 78.0 117.0
89 43.9 36.6 54.8



#82
4-Chlorotoluene
Concen: 49.026 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 91 Resp: 277142
Ion Ratio Lower Upper
91 100
126 28.7 14.2 42.6

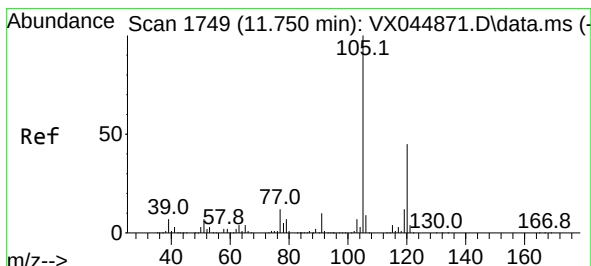
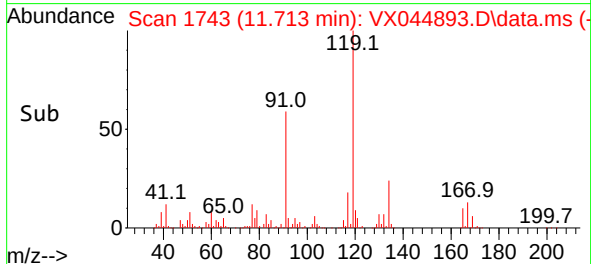
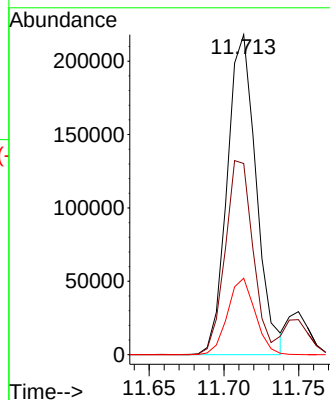
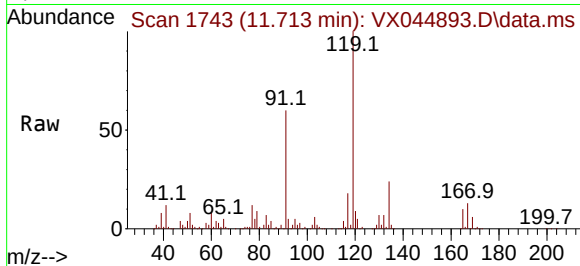




#83
tert-Butylbenzene
Concen: 49.817 ug/l
RT: 11.713 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

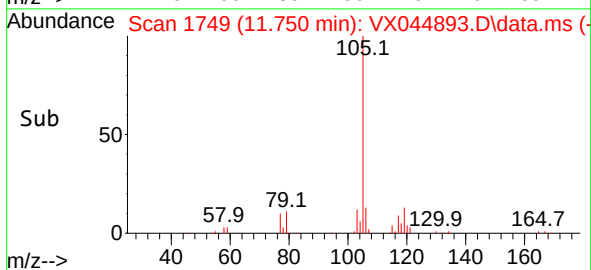
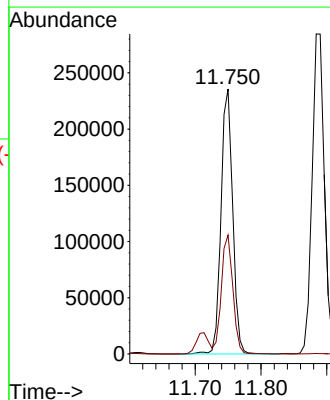
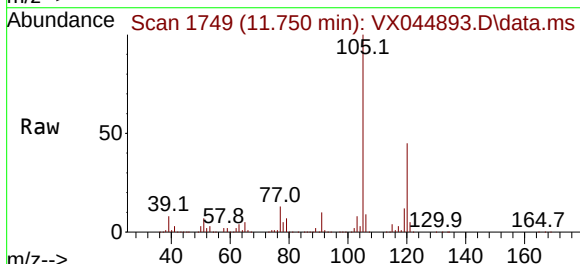
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

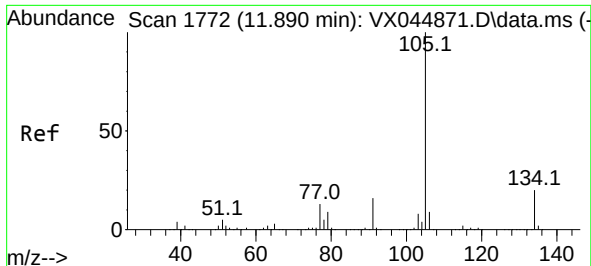
Tgt Ion:119 Resp: 294574
Ion Ratio Lower Upper
119 100
91 58.2 29.1 87.4
134 22.7 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 50.496 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:105 Resp: 291318
Ion Ratio Lower Upper
105 100
120 44.2 22.4 67.0

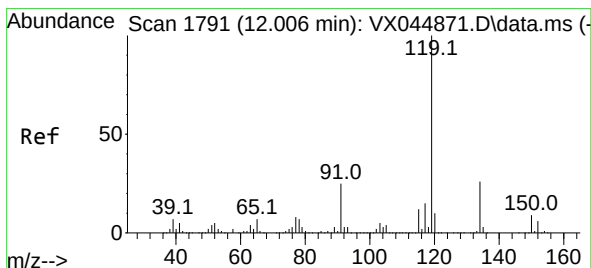
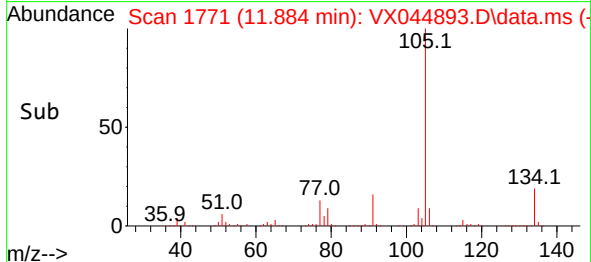
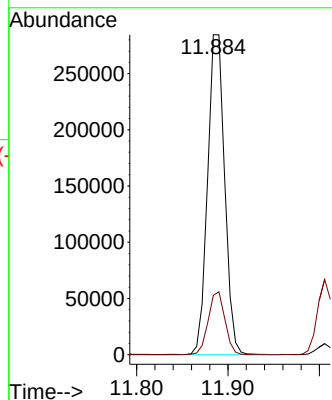
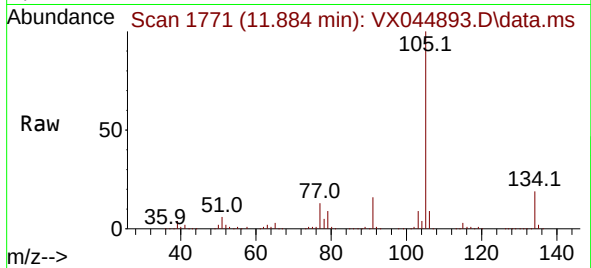




#85
 sec-Butylbenzene
 Concen: 50.355 ug/l
 RT: 11.884 min Scan# 1771
 Delta R.T. -0.006 min
 Lab File: VX044893.D
 Acq: 11 Feb 2025 10:09

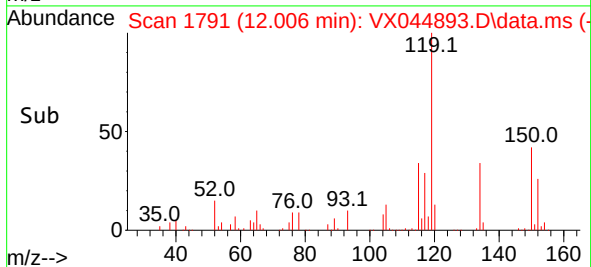
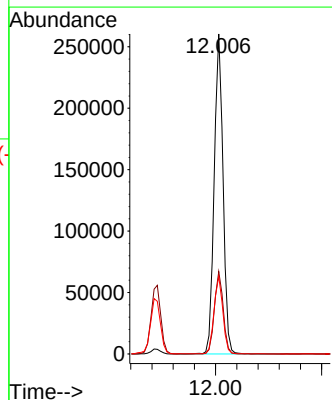
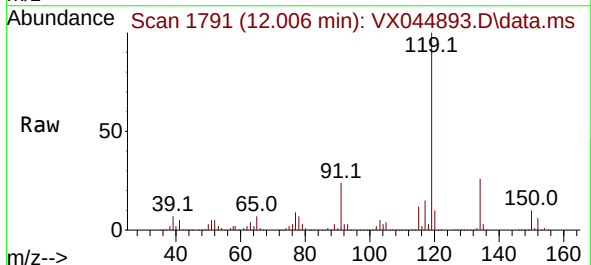
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

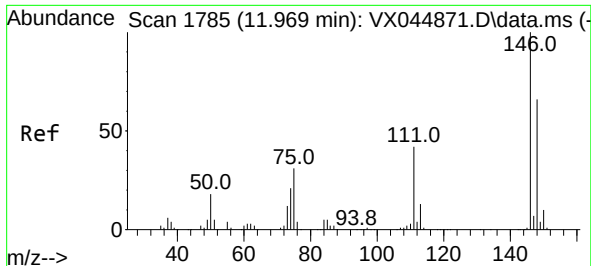
Tgt Ion:105 Resp: 368710
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 51.268 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044893.D
 Acq: 11 Feb 2025 10:09

Tgt Ion:119 Resp: 301888
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 38.9
 91 24.1 12.1 36.3

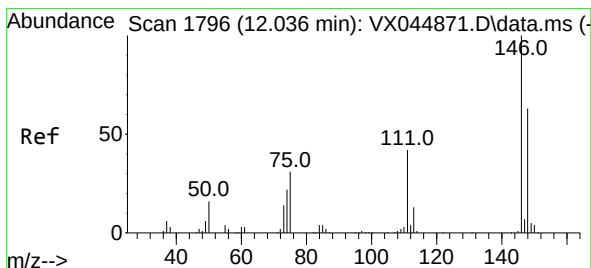
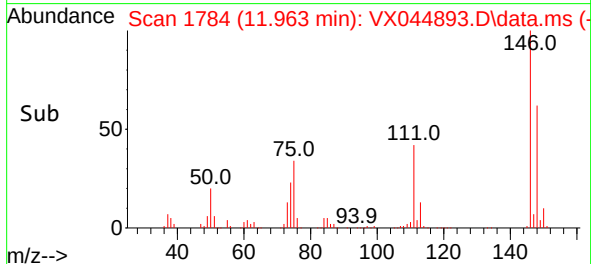
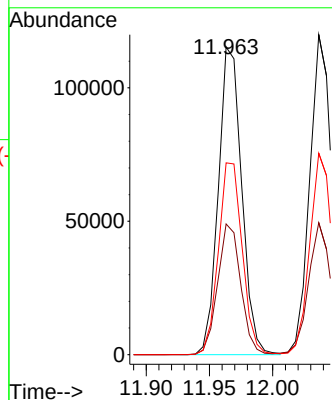
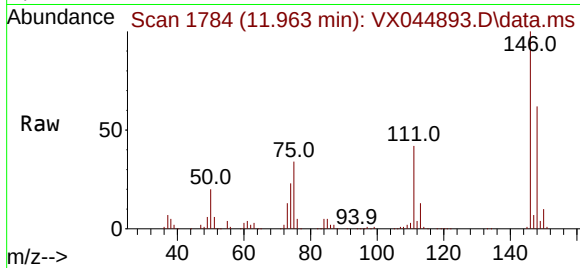




#87
1,3-Dichlorobenzene
Concen: 49.304 ug/l
RT: 11.963 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

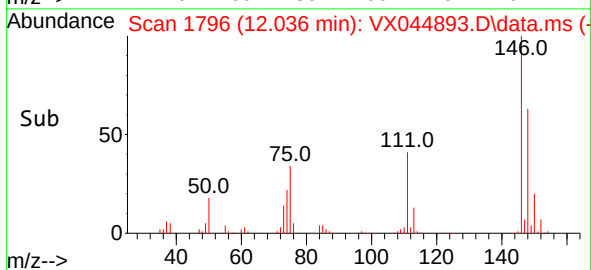
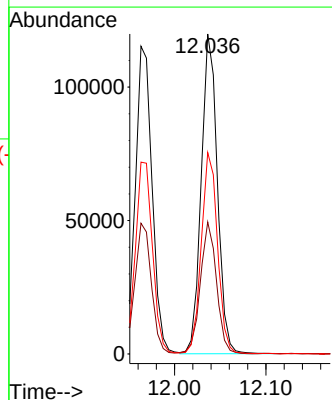
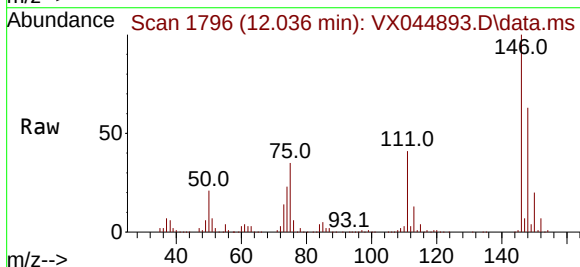
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

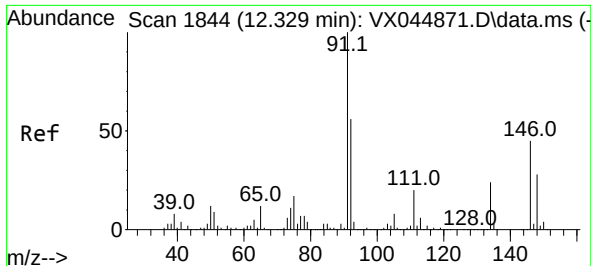
Tgt Ion:146 Resp: 148060
Ion Ratio Lower Upper
146 100
111 42.0 21.2 63.6
148 63.7 32.5 97.5



#88
1,4-Dichlorobenzene
Concen: 48.277 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:146 Resp: 146583
Ion Ratio Lower Upper
146 100
111 41.5 20.4 61.3
148 63.3 32.0 96.0

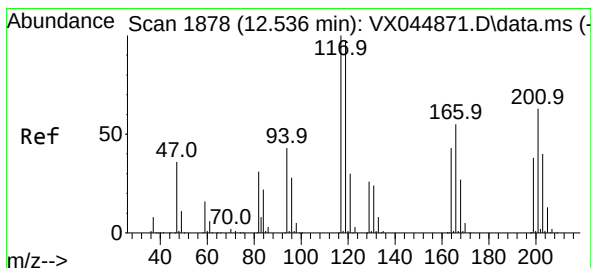
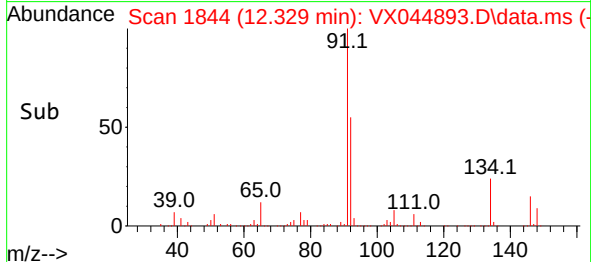
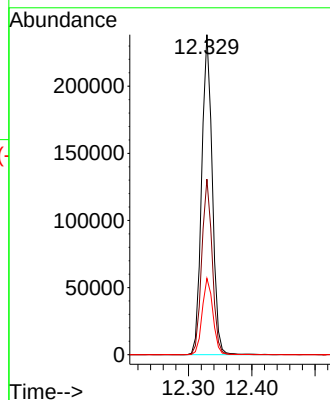
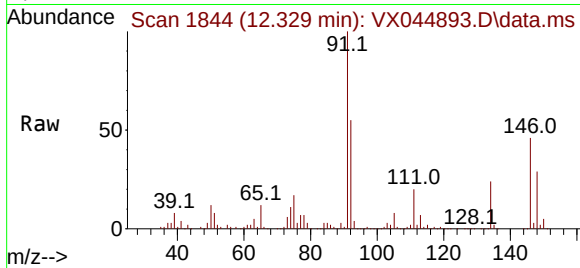




#89
n-Butylbenzene
Concen: 53.540 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

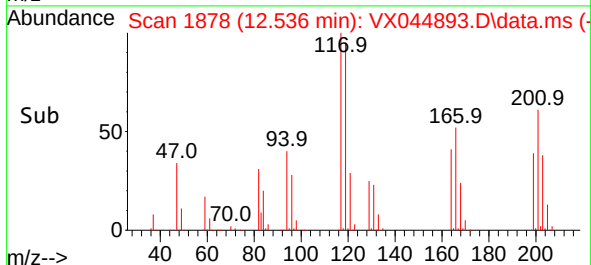
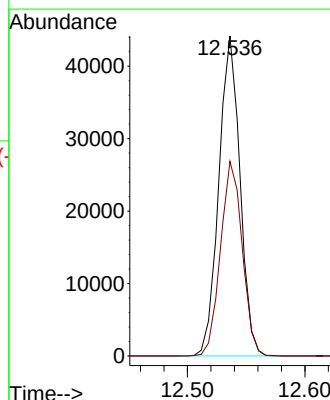
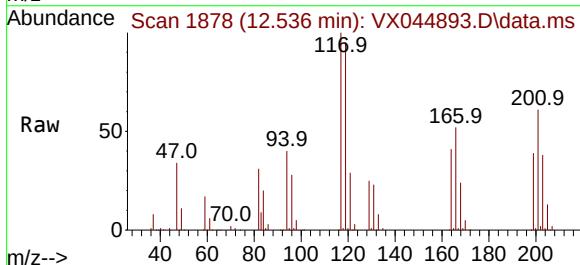
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

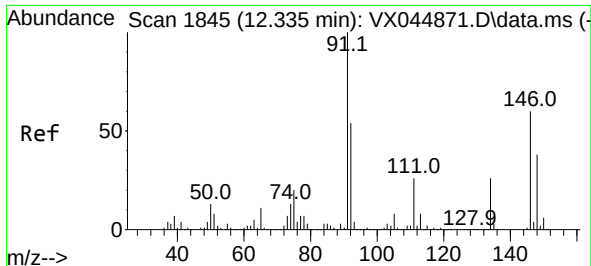
Tgt Ion: 91 Resp: 278914
Ion Ratio Lower Upper
91 100
92 54.3 27.2 81.6
134 24.1 12.1 36.3



#90
Hexachloroethane
Concen: 50.129 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion: 117 Resp: 55271
Ion Ratio Lower Upper
117 100
201 62.5 32.5 97.5





#91

1,2-Dichlorobenzene

Concen: 48.952 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

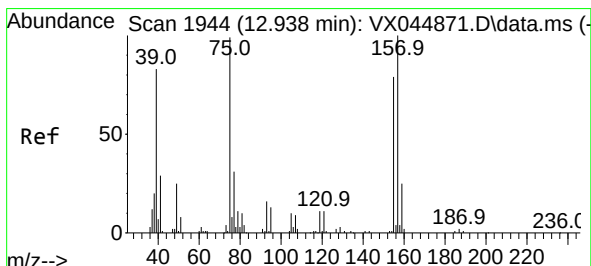
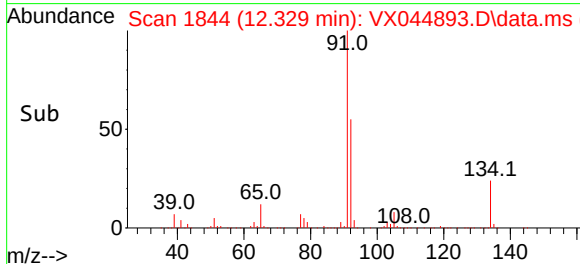
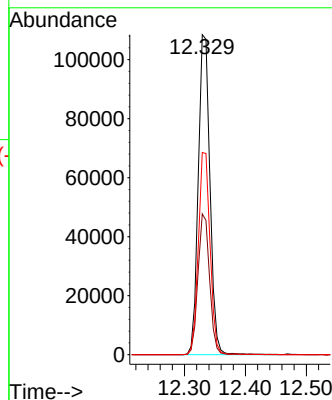
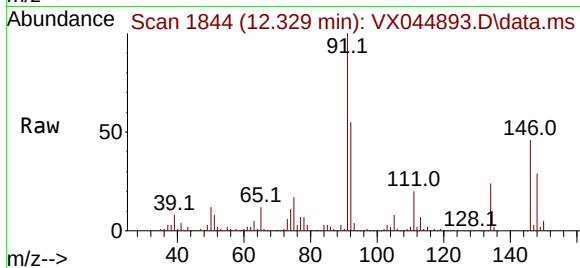
Tgt Ion:146 Resp: 144478

Ion Ratio Lower Upper

146 100

111 43.6 21.8 65.4

148 63.1 31.9 95.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.115 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

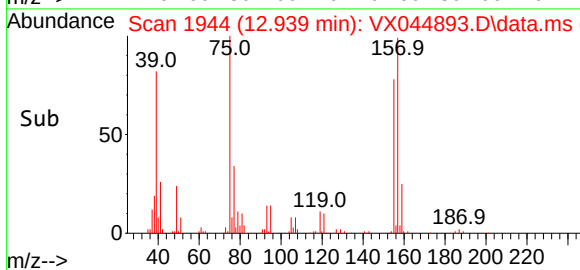
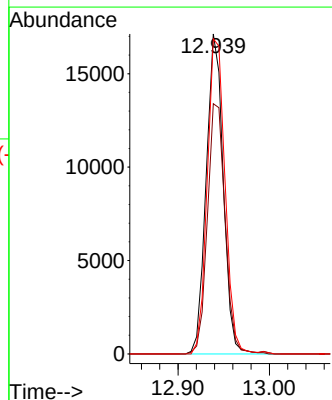
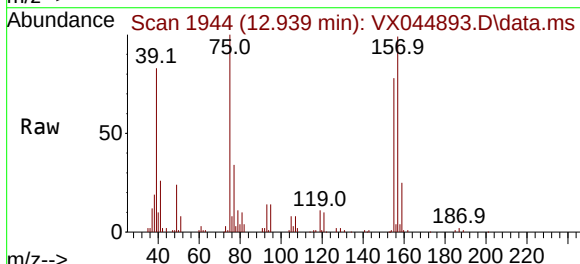
Tgt Ion: 75 Resp: 22187

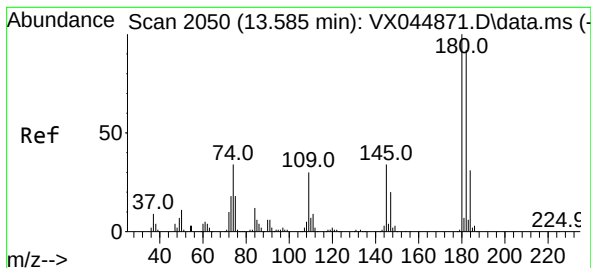
Ion Ratio Lower Upper

75 100

155 80.9 40.5 121.4

157 102.7 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 50.885 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

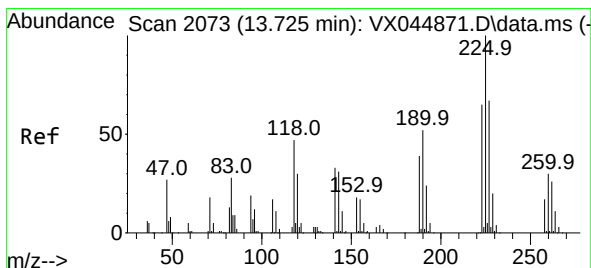
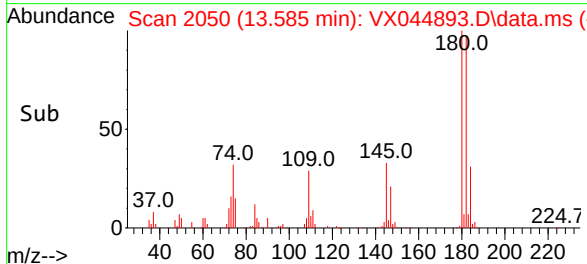
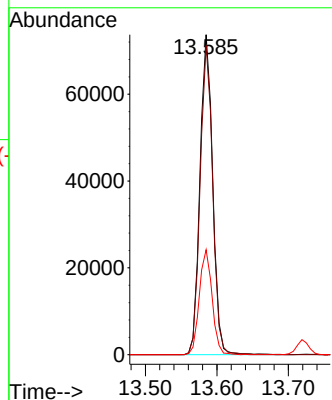
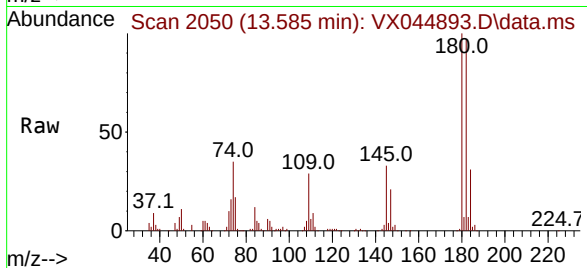
Tgt Ion:180 Resp: 90876

Ion Ratio Lower Upper

180 100

182 95.5 47.6 142.8

145 32.9 16.4 49.1



#94

Hexachlorobutadiene

Concen: 50.316 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX044893.D

Acq: 11 Feb 2025 10:09

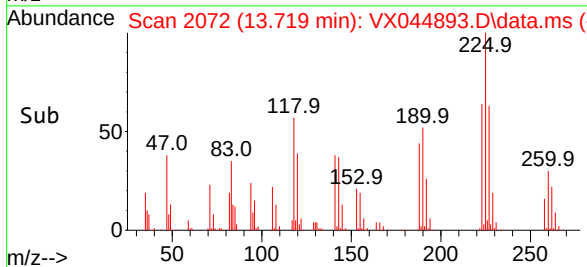
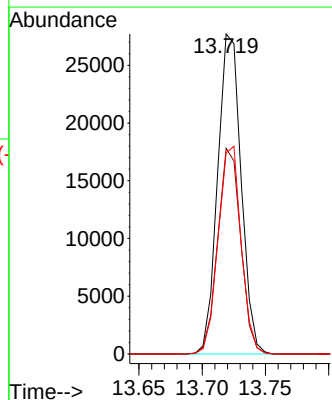
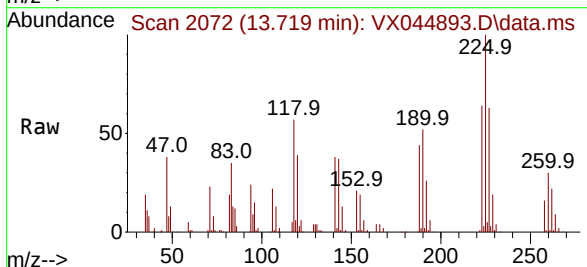
Tgt Ion:225 Resp: 35673

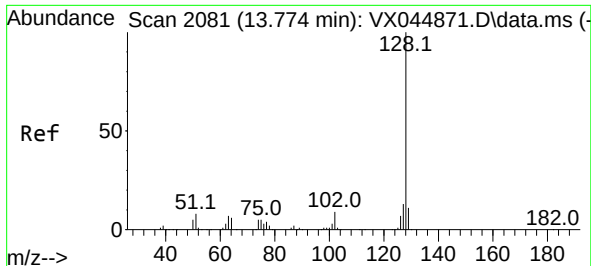
Ion Ratio Lower Upper

225 100

223 63.0 31.4 94.2

227 63.5 32.3 96.8

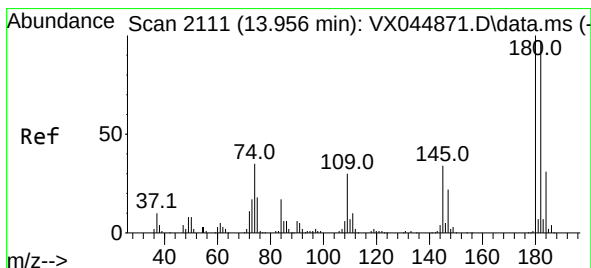
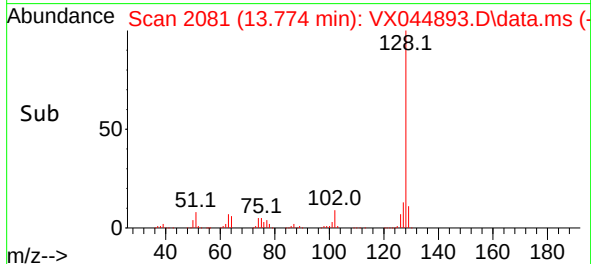
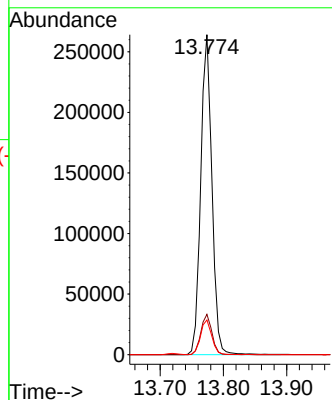
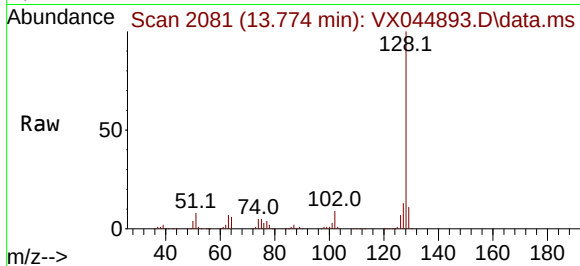




#95
Naphthalene
Concen: 50.417 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

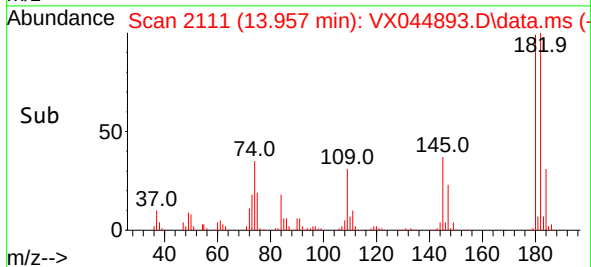
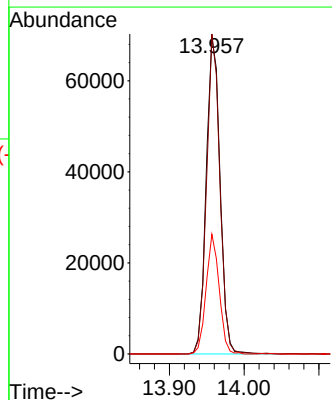
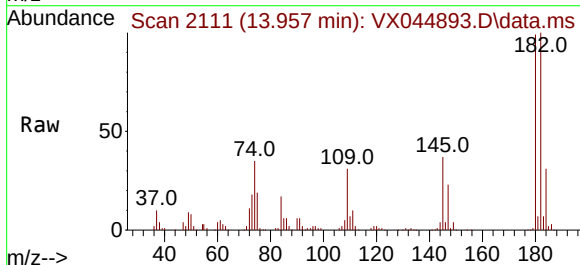
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 325482
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: 49.753 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044893.D
Acq: 11 Feb 2025 10:09

Tgt Ion:180 Resp: 89533
Ion Ratio Lower Upper
180 100
182 97.0 47.9 143.6
145 35.6 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044896.D
 Acq On : 11 Feb 2025 11:23
 Operator : JC/MD
 Sample : VX0211WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBS01

Quant Time: Feb 12 02:38:07 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	122388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	213544	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	190238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	87843	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	78398	43.760	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.520%
35) Dibromofluoromethane	5.379	113	63156	45.489	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.980%
50) Toluene-d8	8.647	98	242464	46.183	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.360%
62) 4-Bromofluorobenzene	11.079	95	83827	47.362	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.720%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	32027	18.658	ug/l	97
3) Chloromethane	1.294	50	37256	17.833	ug/l	99
4) Vinyl Chloride	1.374	62	36130	17.851	ug/l	99
5) Bromomethane	1.593	94	11503	18.993	ug/l	99
6) Chloroethane	1.666	64	19246	22.573	ug/l	99
7) Trichlorofluoromethane	1.873	101	46837	18.299	ug/l	97
8) Diethyl Ether	2.130	74	17191	18.520	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	28594	18.490	ug/l	99
10) Methyl Iodide	2.447	142	37251	18.586	ug/l	99
11) Tert butyl alcohol	2.971	59	30779	92.607	ug/l	99
12) 1,1-Dichloroethene	2.312	96	28452	18.036	ug/l	96
13) Acrolein	2.233	56	26717	77.912	ug/l	100
14) Allyl chloride	2.660	41	50787	17.814	ug/l	97
15) Acrylonitrile	3.062	53	79135	89.177	ug/l	99
16) Acetone	2.380	43	63538	88.221	ug/l	99
17) Carbon Disulfide	2.501	76	74275	17.170	ug/l	98
18) Methyl Acetate	2.697	43	40956	18.021	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	89228	17.778	ug/l	100
20) Methylene Chloride	2.782	84	31484	17.847	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	27928	17.988	ug/l	93
22) Diisopropyl ether	3.757	45	100392	18.613	ug/l	95
23) Vinyl Acetate	3.715	43	397646	90.433	ug/l	100
24) 1,1-Dichloroethane	3.605	63	54622	18.099	ug/l	98
25) 2-Butanone	4.556	43	105608	90.302	ug/l	95
26) 2,2-Dichloropropane	4.471	77	43271	18.080	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	34607	18.557	ug/l	97
28) Bromochloromethane	4.891	49	22169	15.285	ug/l	100
29) Tetrahydrofuran	5.001	42	71647	92.261	ug/l	99
30) Chloroform	5.080	83	54058	18.470	ug/l	97
31) Cyclohexane	5.458	56	50621	18.194	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	44956	18.109	ug/l	99
36) 1,1-Dichloropropene	5.684	75	38557	19.249	ug/l	99
37) Ethyl Acetate	4.708	43	39887	17.903	ug/l	98
38) Carbon Tetrachloride	5.665	117	37975	19.346	ug/l	95
39) Methylcyclohexane	7.372	83	52588	20.307	ug/l	98
40) Benzene	6.031	78	120297	19.233	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044896.D
 Acq On : 11 Feb 2025 11:23
 Operator : JC/MD
 Sample : VX0211WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBS01

Quant Time: Feb 12 02:38:07 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	22207	18.621	ug/l	97
42) 1,2-Dichloroethane	6.080	62	39196	19.662	ug/l	98
43) Isopropyl Acetate	6.336	43	67173	18.670	ug/l	99
44) Trichloroethene	7.123	130	27440	19.193	ug/l	97
45) 1,2-Dichloropropane	7.421	63	29707	19.091	ug/l	97
46) Dibromomethane	7.574	93	20763	19.240	ug/l	98
47) Bromodichloromethane	7.818	83	40827	19.539	ug/l	98
48) Methyl methacrylate	7.690	41	31984	18.854	ug/l	99
49) 1,4-Dioxane	7.659	88	15032	413.003	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	217292	99.343	ug/l	99
52) Toluene	8.714	92	72821	19.549	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	39281	18.577	ug/l	94
54) cis-1,3-Dichloropropene	8.360	75	44977	19.077	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	28376	19.816	ug/l	97
56) Ethyl methacrylate	9.116	69	44038	19.041	ug/l	99
57) 1,3-Dichloropropane	9.305	76	48722	19.446	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	91789	80.829	ug/l	99
59) 2-Hexanone	9.427	43	160581	101.894	ug/l	98
60) Dibromochloromethane	9.518	129	29042	18.964	ug/l	100
61) 1,2-Dibromoethane	9.610	107	27865	19.199	ug/l	97
64) Tetrachloroethene	9.268	164	22565	18.808	ug/l	98
65) Chlorobenzene	10.079	112	77829	19.048	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	24758	18.825	ug/l	98
67) Ethyl Benzene	10.189	91	137771	19.107	ug/l	100
68) m/p-Xylenes	10.299	106	103355	38.857	ug/l	100
69) o-Xylene	10.640	106	51211	19.188	ug/l	98
70) Styrene	10.652	104	83008	19.304	ug/l	99
71) Bromoform	10.799	173	18821	19.176	ug/l #	97
73) Isopropylbenzene	10.957	105	129845	18.358	ug/l	100
74) N-amyl acetate	10.841	43	59187	18.492	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	44850	18.453	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	43972	22.577	ug/l	85
77) Bromobenzene	11.195	156	30059	18.745	ug/l	99
78) n-propylbenzene	11.299	91	152366	18.663	ug/l	100
79) 2-Chlorotoluene	11.360	91	92170	18.370	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	107531	18.734	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12359	16.324	ug/l	96
82) 4-Chlorotoluene	11.451	91	102495	18.464	ug/l	100
83) tert-Butylbenzene	11.713	119	108994	18.771	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	108980	19.237	ug/l	100
85) sec-Butylbenzene	11.890	105	137742	19.157	ug/l	99
86) p-Isopropyltoluene	12.006	119	110966	19.191	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	56608	19.196	ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	55645	18.663	ug/l	99
89) n-Butylbenzene	12.329	91	98048	19.167	ug/l	99
90) Hexachloroethane	12.536	117	19308	17.833	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	56136	19.369	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8224	18.540	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	32400	18.475	ug/l	100
94) Hexachlorobutadiene	13.719	225	13235	19.011	ug/l	97
95) Naphthalene	13.774	128	116851	18.432	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	33208	18.792	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044896.D
Acq On : 11 Feb 2025 11:23
Operator : JC/MD
Sample : VX0211WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

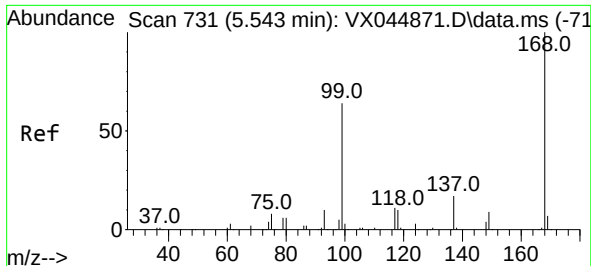
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

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

Quant Time: Feb 12 02:38:07 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

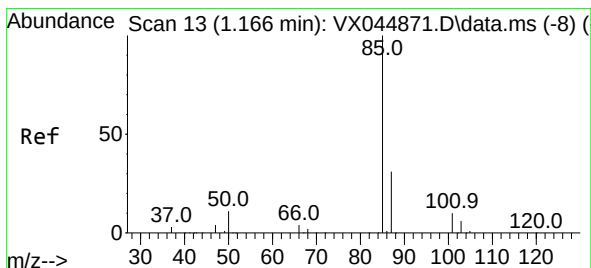
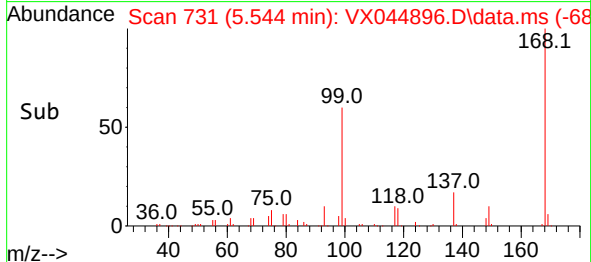
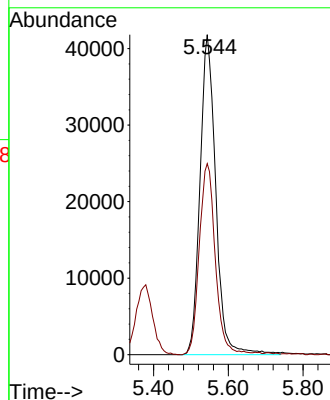
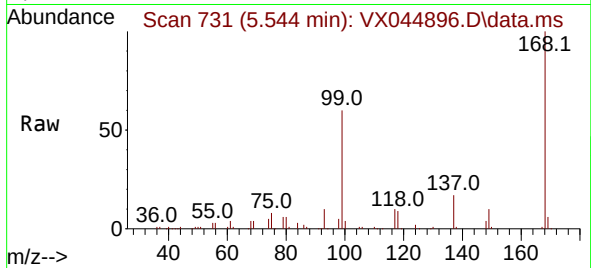




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

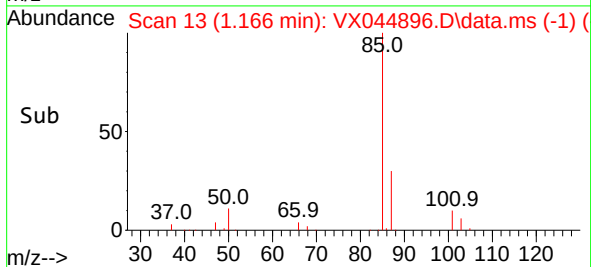
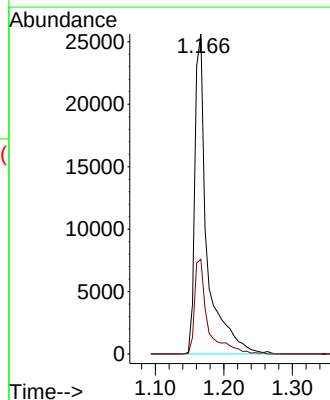
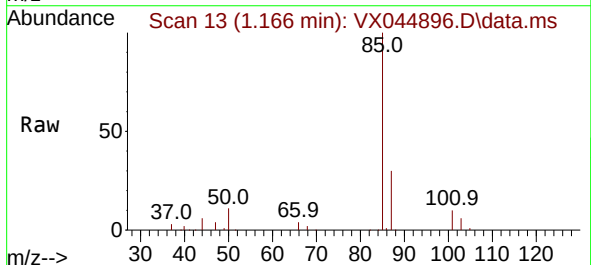
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

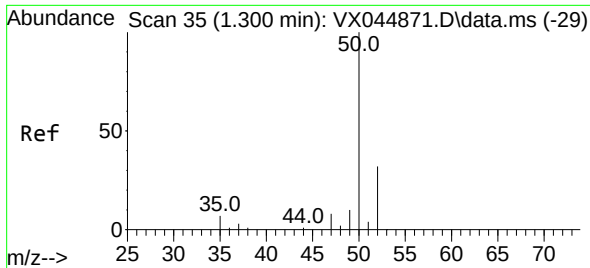
Tgt Ion:168 Resp: 122388
Ion Ratio Lower Upper
168 100
99 59.7 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 18.658 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 85 Resp: 32027
Ion Ratio Lower Upper
85 100
87 29.6 15.8 47.3

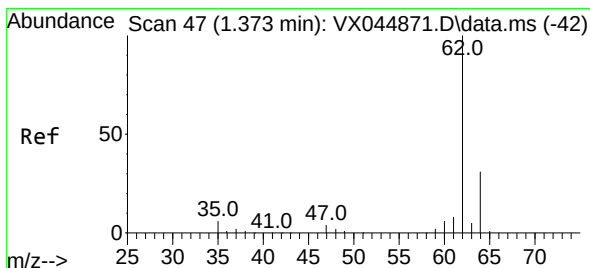
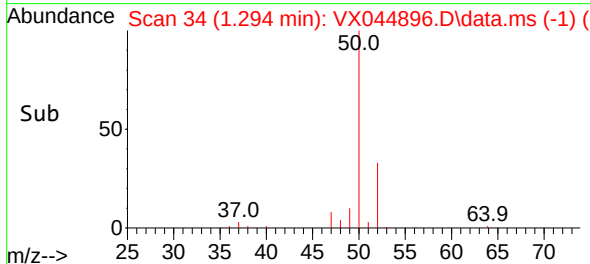
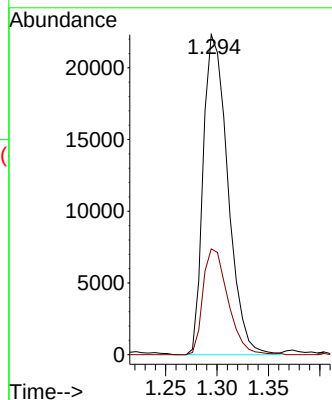
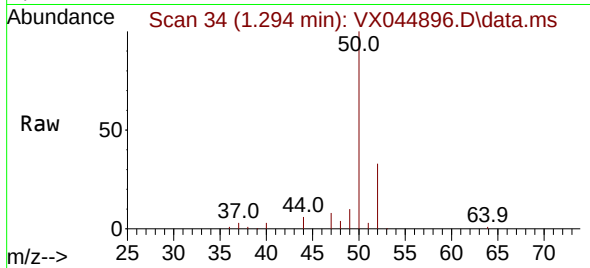




#3
Chloromethane
Concen: 17.833 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

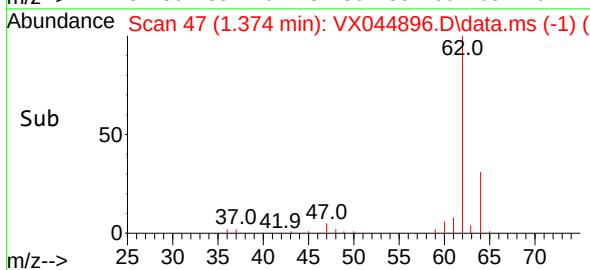
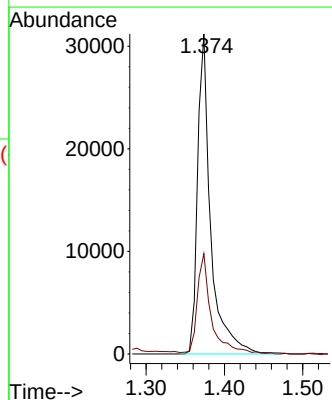
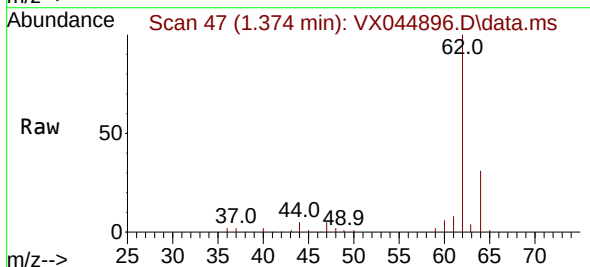
Instrument :
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ClientSampleId :
VX0211WBS01

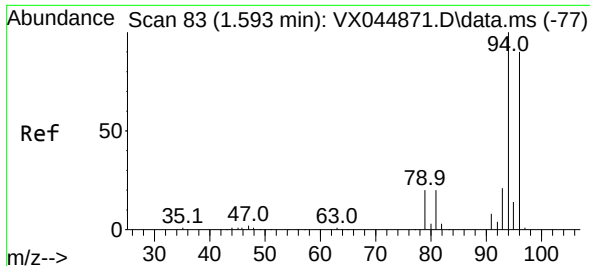
Tgt Ion: 50 Resp: 37256
Ion Ratio Lower Upper
50 100
52 33.0 25.9 38.9



#4
Vinyl Chloride
Concen: 17.851 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 62 Resp: 36130
Ion Ratio Lower Upper
62 100
64 31.0 25.4 38.0

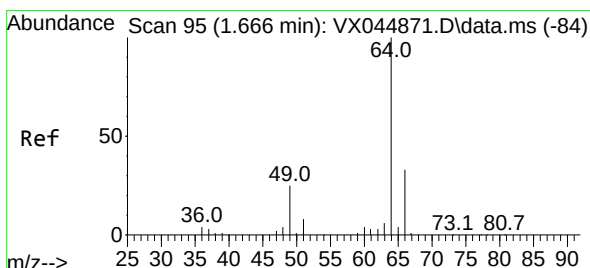
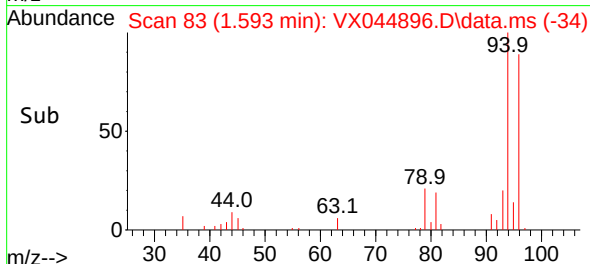
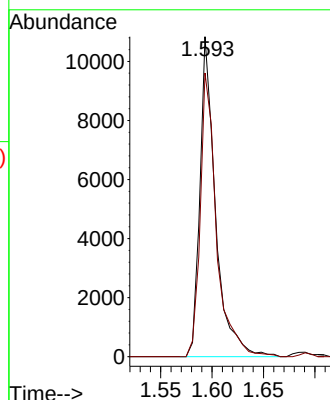
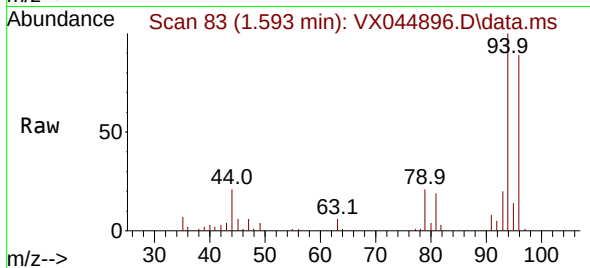




#5
Bromomethane
Concen: 18.993 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

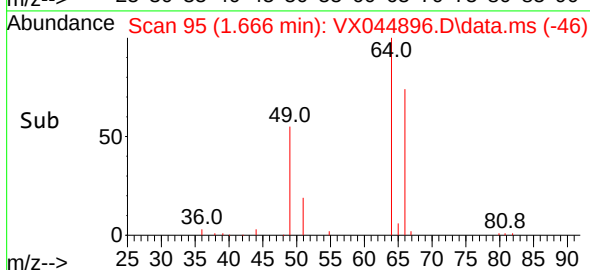
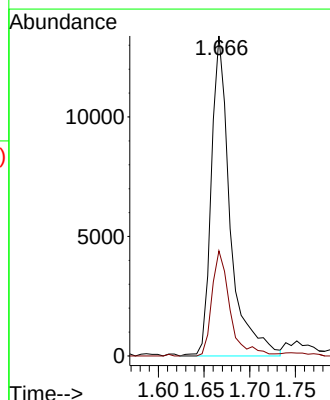
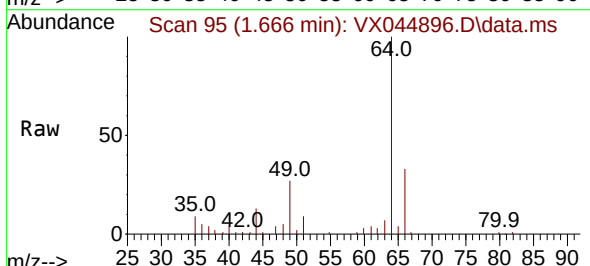
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

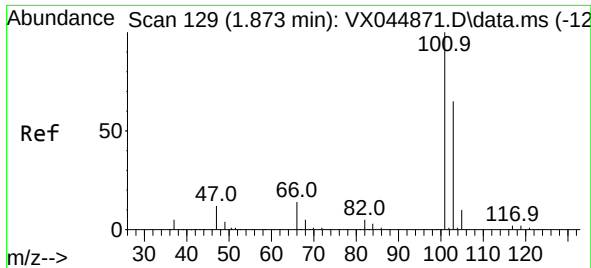
Tgt Ion: 94 Resp: 11503
Ion Ratio Lower Upper
94 100
96 88.6 71.6 107.4



#6
Chloroethane
Concen: 22.573 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 64 Resp: 19246
Ion Ratio Lower Upper
64 100
66 32.9 25.9 38.9

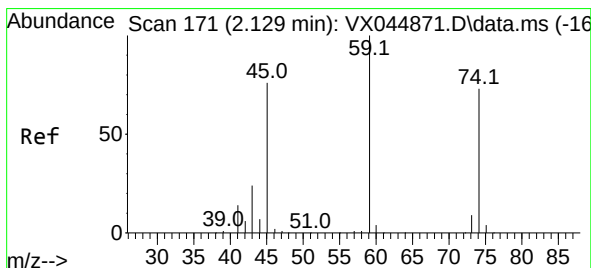
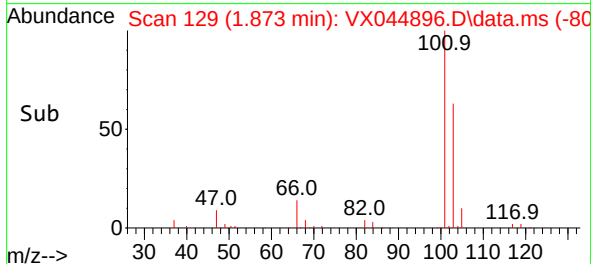
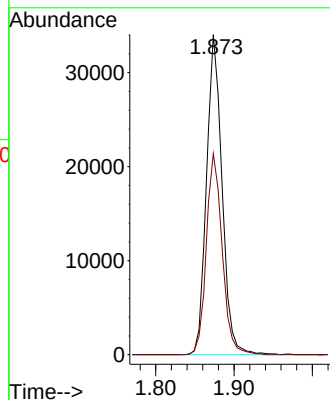
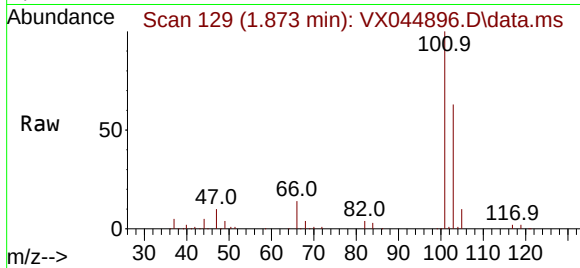




#7
 Trichlorofluoromethane
 Concen: 18.299 ug/l
 RT: 1.873 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044896.D
 Acq: 11 Feb 2025 11:23

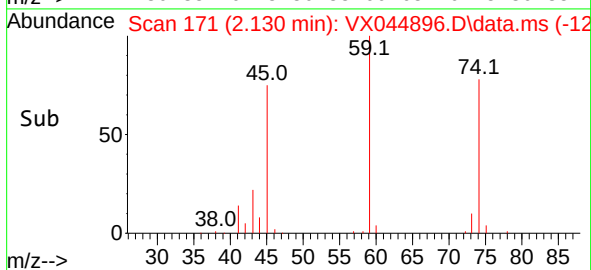
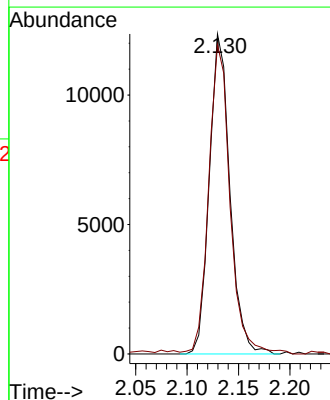
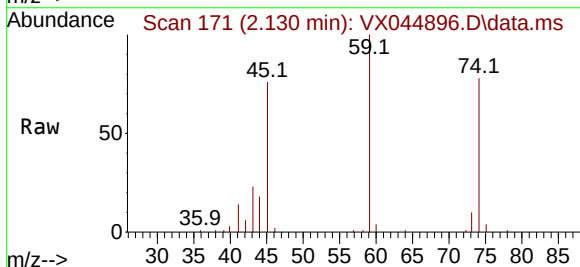
Instrument :
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 ClientSampleId :
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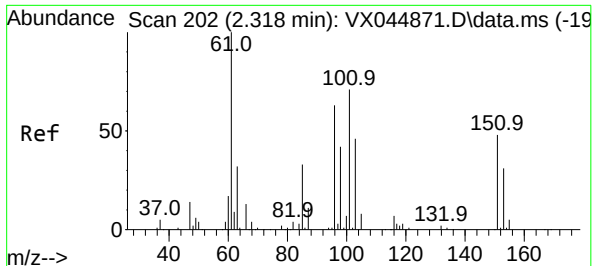
Tgt Ion:101 Resp: 46837
 Ion Ratio Lower Upper
 101 100
 103 62.9 52.4 78.6



#8
 Diethyl Ether
 Concen: 18.520 ug/l
 RT: 2.130 min Scan# 171
 Delta R.T. 0.001 min
 Lab File: VX044896.D
 Acq: 11 Feb 2025 11:23

Tgt Ion: 74 Resp: 17191
 Ion Ratio Lower Upper
 74 100
 45 100.5 51.1 153.4

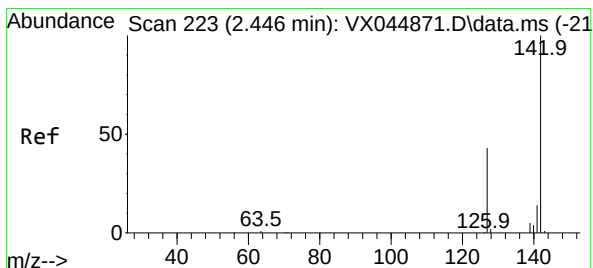
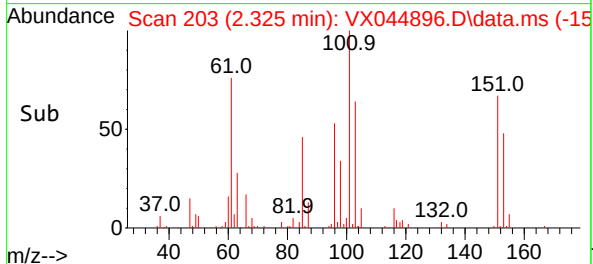
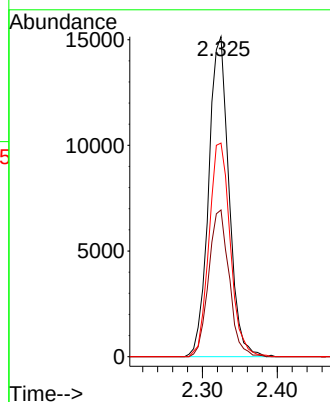
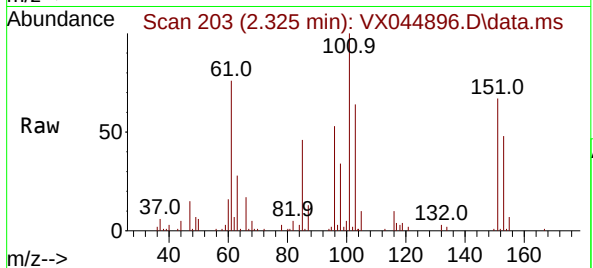




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.490 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

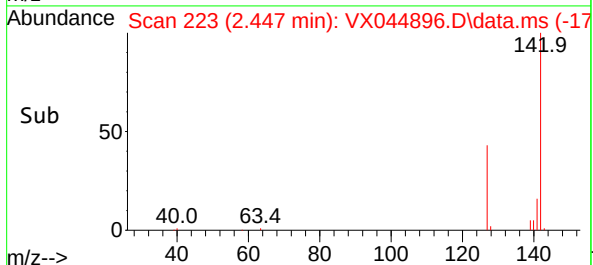
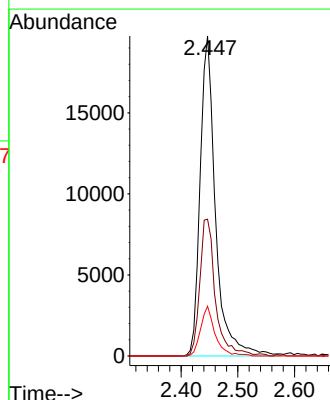
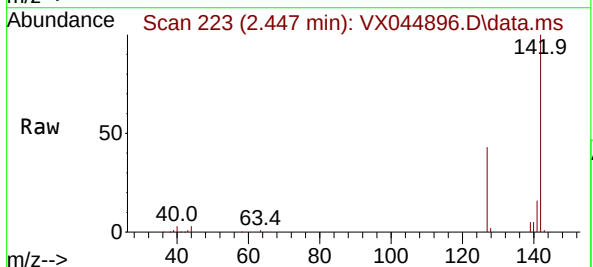
Instrument :
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ClientSampleId :
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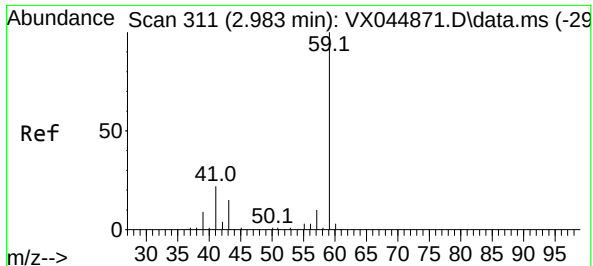
Tgt Ion:101 Resp: 28594
Ion Ratio Lower Upper
101 100
85 46.3 35.7 53.5
151 70.0 56.0 84.0



#10
Methyl Iodide
Concen: 18.586 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:142 Resp: 37251
Ion Ratio Lower Upper
142 100
127 43.2 34.3 51.5
141 14.7 11.4 17.2

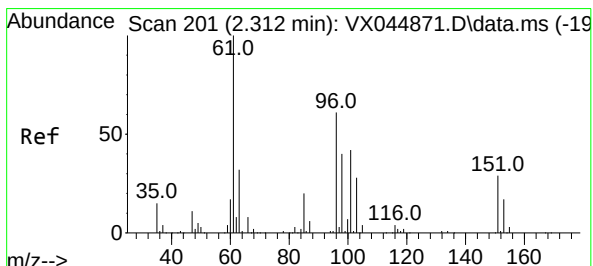
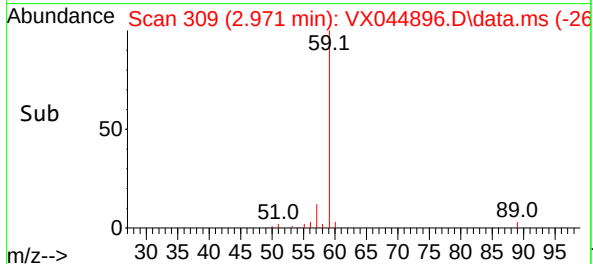
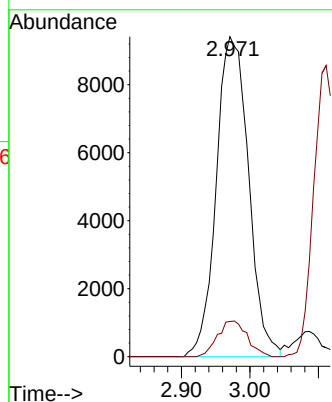
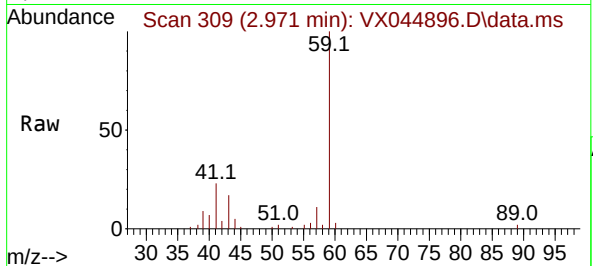




#11
Tert butyl alcohol
Concen: 92.607 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

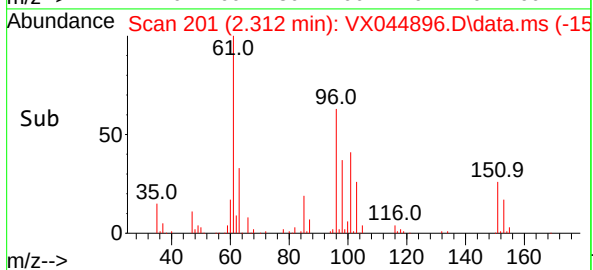
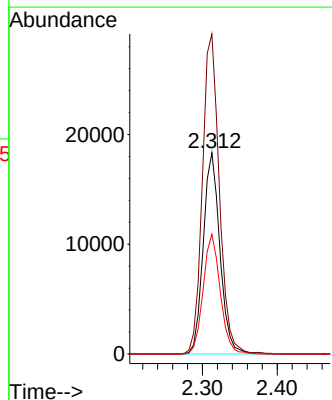
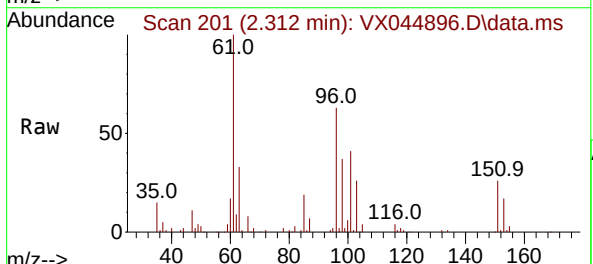
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

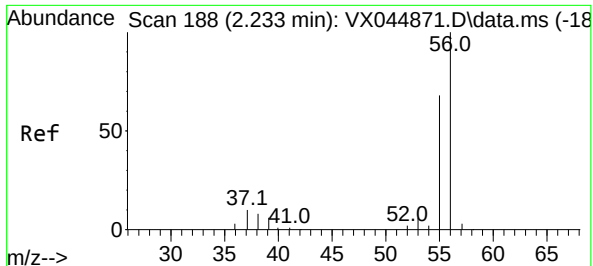
Tgt Ion: 59 Resp: 30779
Ion Ratio Lower Upper
59 100
57 10.3 8.1 12.1



#12
1,1-Dichloroethene
Concen: 18.036 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 96 Resp: 28452
Ion Ratio Lower Upper
96 100
61 159.0 130.2 195.4
98 59.4 52.2 78.4

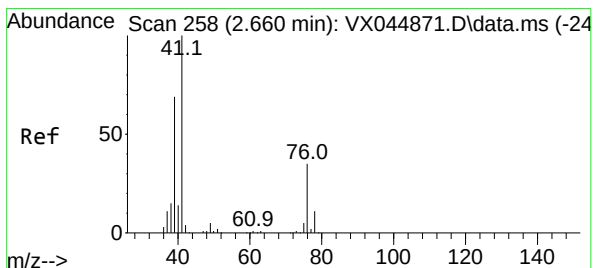
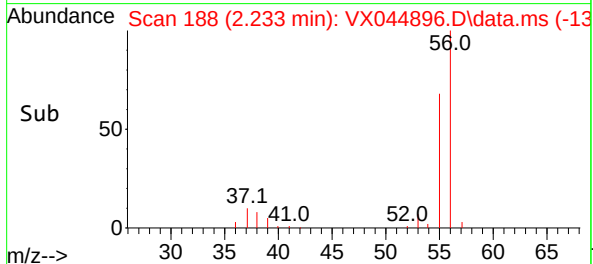
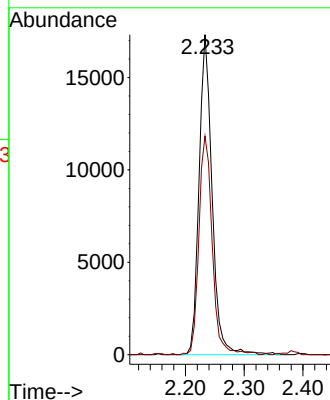
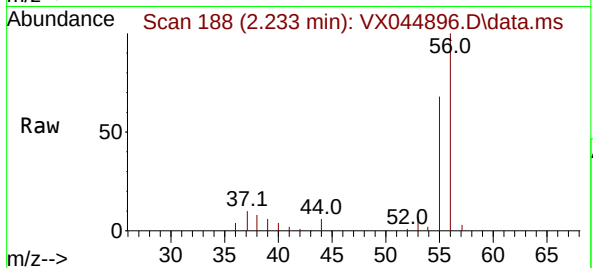




#13
Acrolein
Concen: 77.912 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

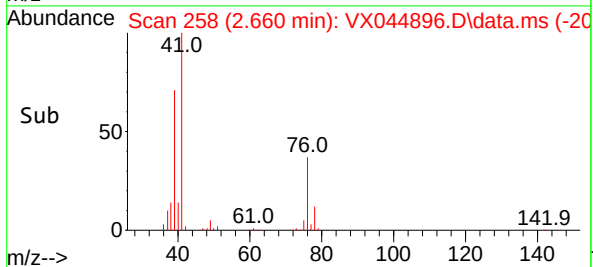
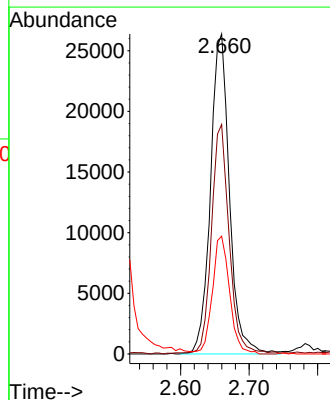
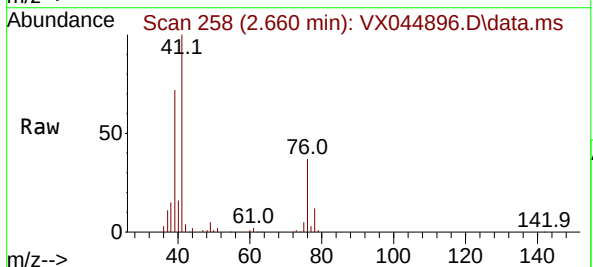
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

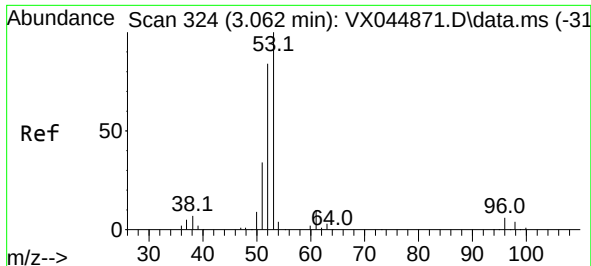
Tgt Ion: 56 Resp: 26717
Ion Ratio Lower Upper
56 100
55 69.9 55.7 83.5



#14
Allyl chloride
Concen: 17.814 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 41 Resp: 50787
Ion Ratio Lower Upper
41 100
39 67.2 51.4 77.2
76 33.4 27.0 40.4





#15

Acrylonitrile

Concen: 89.177 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

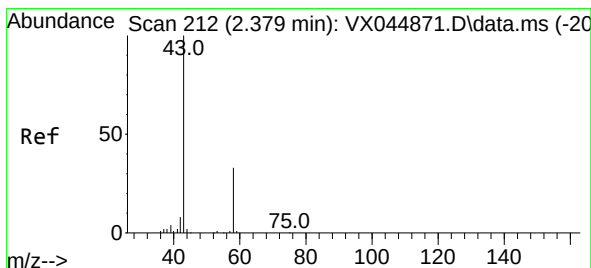
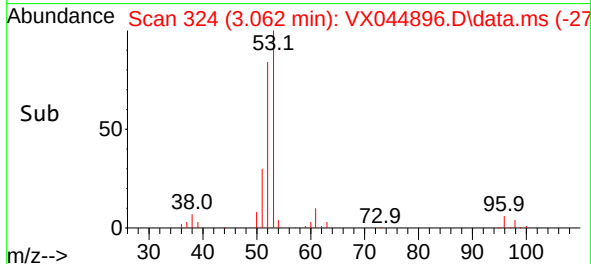
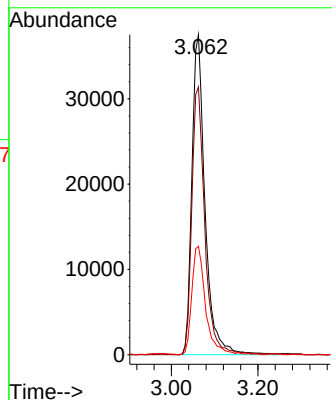
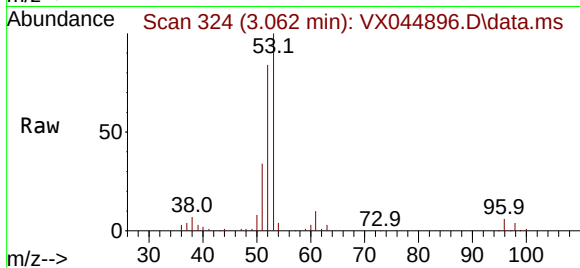
Tgt Ion: 53 Resp: 79135

Ion Ratio Lower Upper

53 100

52 82.5 65.0 97.6

51 35.5 28.0 42.0



#16

Acetone

Concen: 88.221 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX044896.D

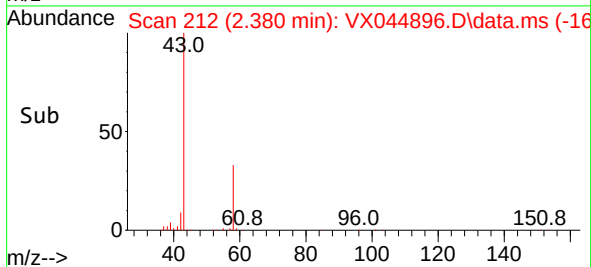
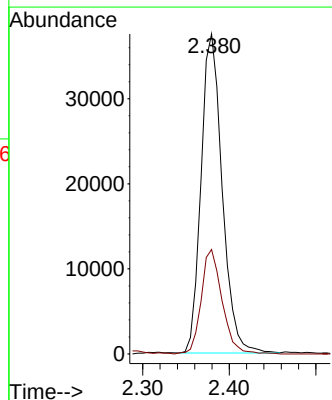
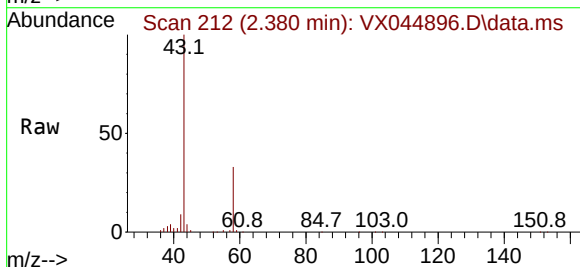
Acq: 11 Feb 2025 11:23

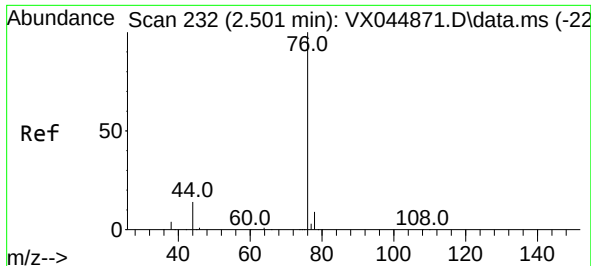
Tgt Ion: 43 Resp: 63538

Ion Ratio Lower Upper

43 100

58 32.7 26.5 39.7

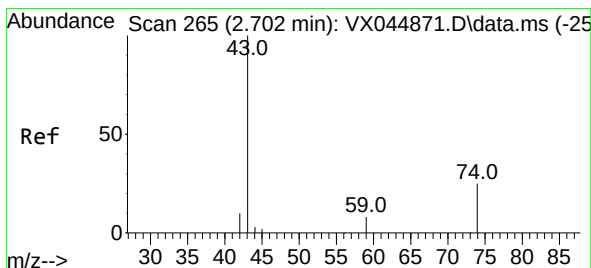
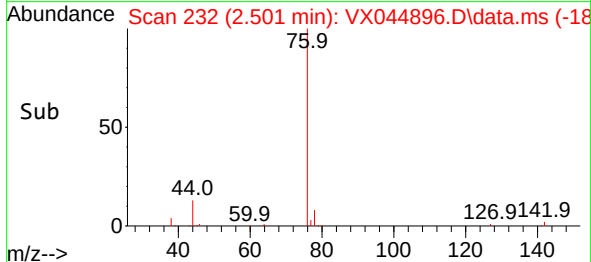
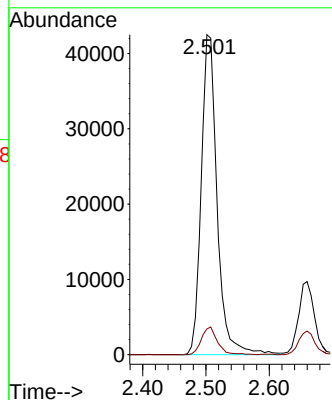
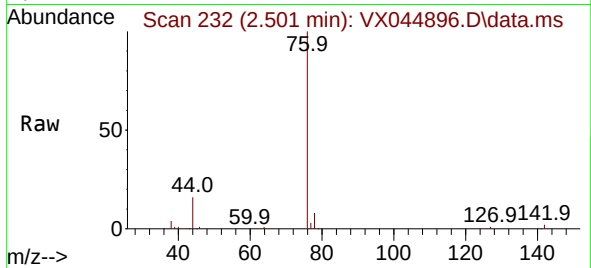




#17
Carbon Disulfide
Concen: 17.170 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

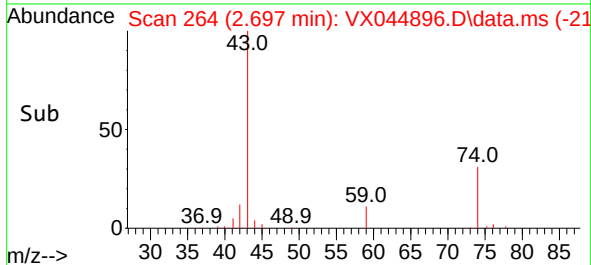
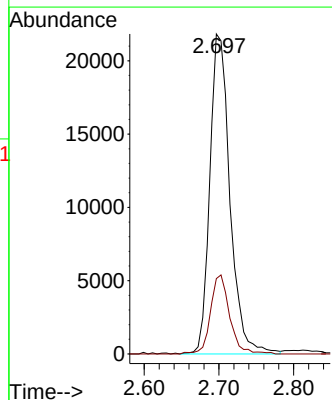
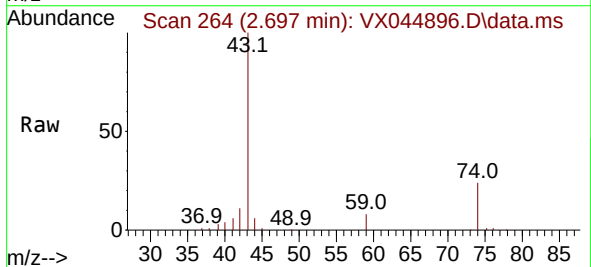
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

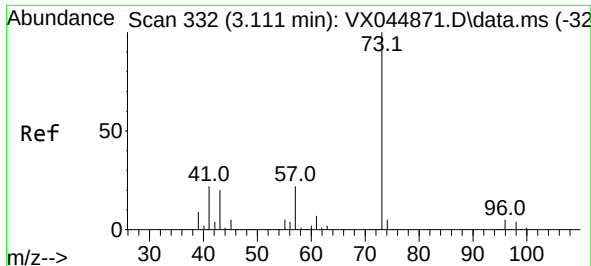
Tgt Ion: 76 Resp: 74275
Ion Ratio Lower Upper
76 100
78 8.1 7.0 10.4



#18
Methyl Acetate
Concen: 18.021 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 43 Resp: 40956
Ion Ratio Lower Upper
43 100
74 23.5 18.9 28.3

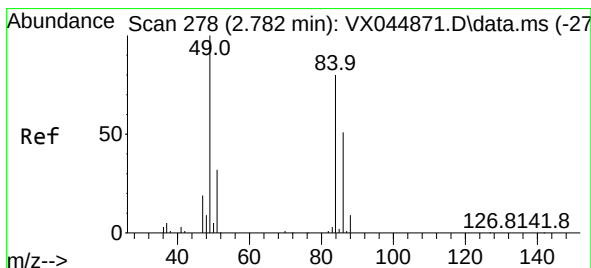
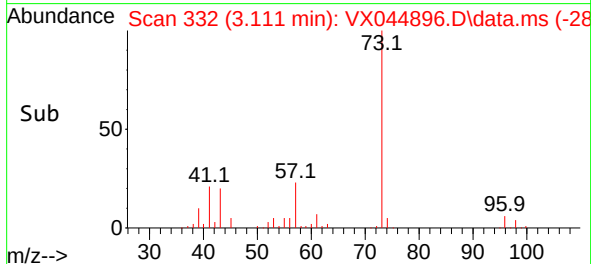
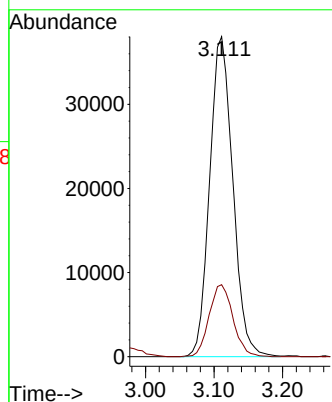
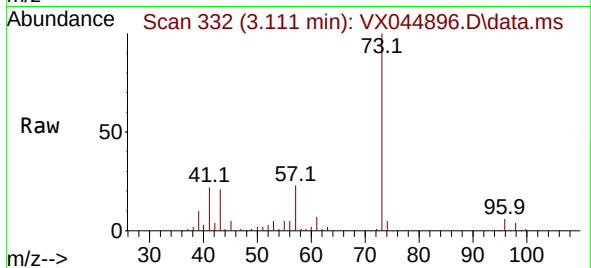




#19
Methyl tert-butyl Ether
Concen: 17.778 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

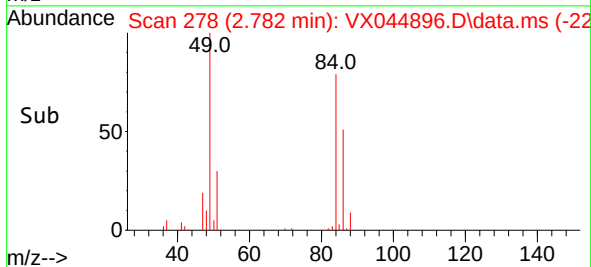
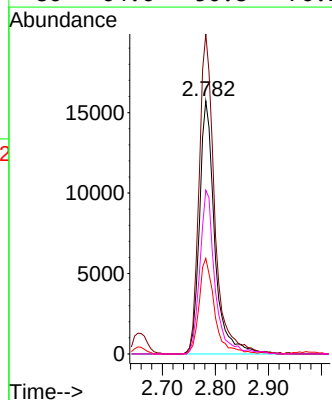
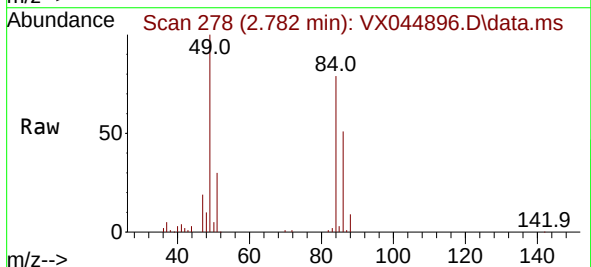
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

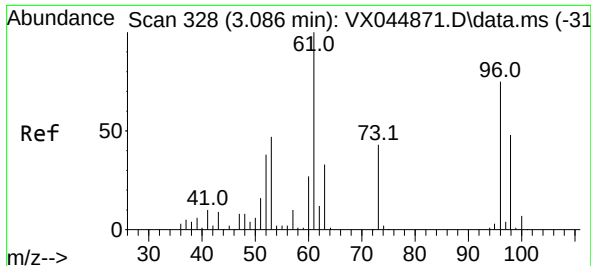
Tgt Ion: 73 Resp: 89228
Ion Ratio Lower Upper
73 100
57 22.5 17.9 26.9



#20
Methylene Chloride
Concen: 17.847 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 84 Resp: 31484
Ion Ratio Lower Upper
84 100
49 126.4 100.1 150.1
51 37.7 31.7 47.5
86 64.6 50.8 76.2

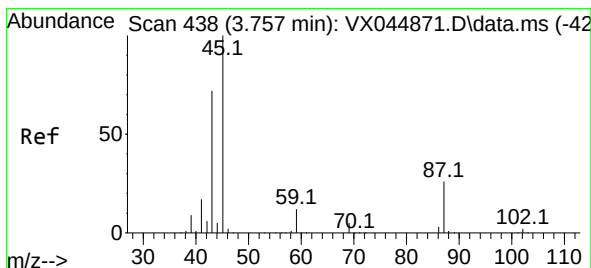
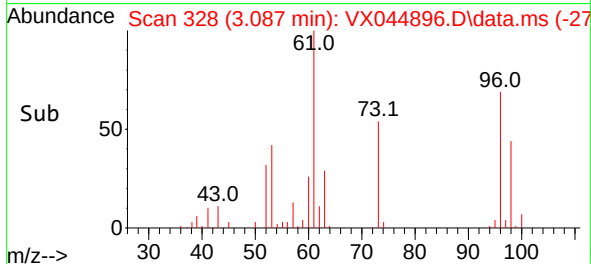
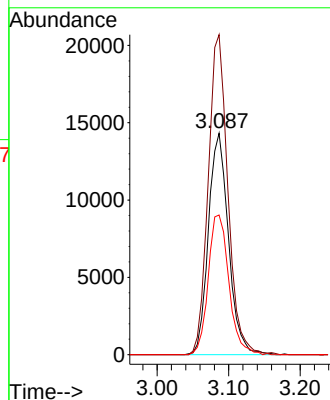
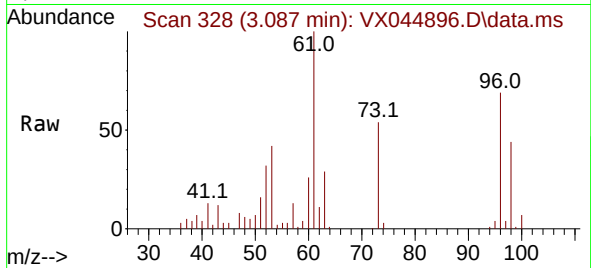




#21
trans-1,2-Dichloroethene
Concen: 17.988 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

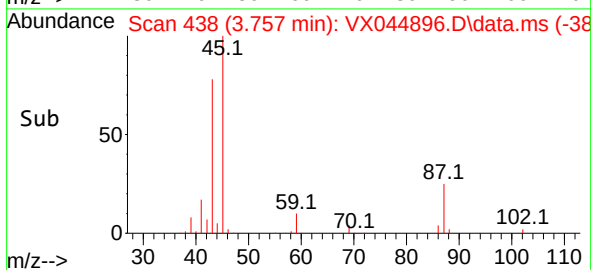
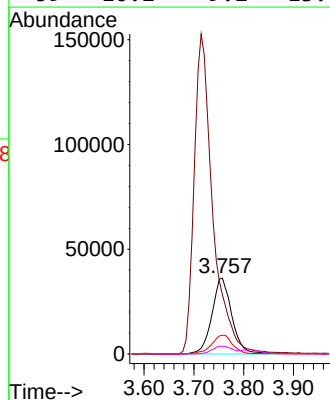
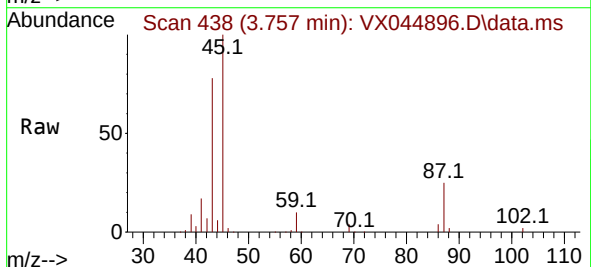
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

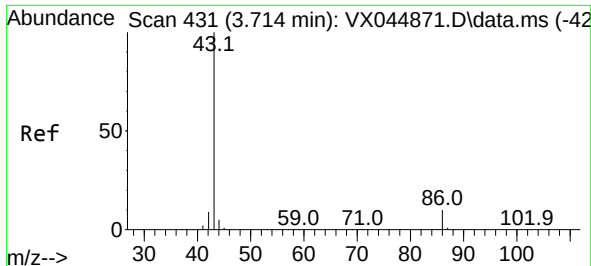
Tgt Ion: 96 Resp: 27928
Ion Ratio Lower Upper
96 100
61 144.5 106.0 159.0
98 63.1 50.6 76.0



#22
Diisopropyl ether
Concen: 18.613 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 45 Resp: 100392
Ion Ratio Lower Upper
45 100
43 77.3 58.0 87.0
87 24.7 20.7 31.1
59 10.2 9.2 13.8

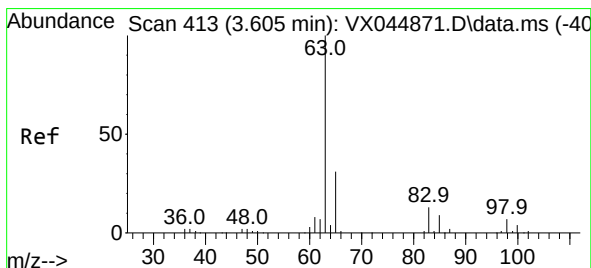
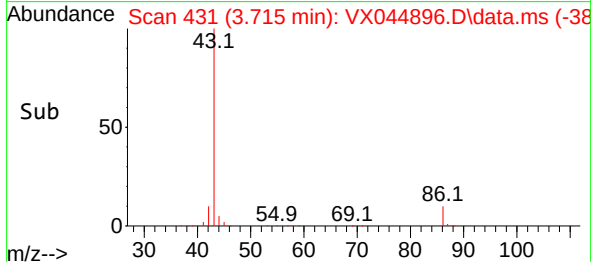
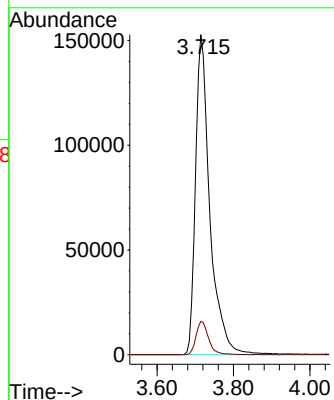
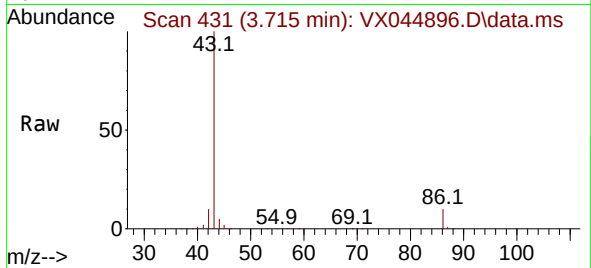




#23
 Vinyl Acetate
 Concen: 90.433 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX044896.D
 Acq: 11 Feb 2025 11:23

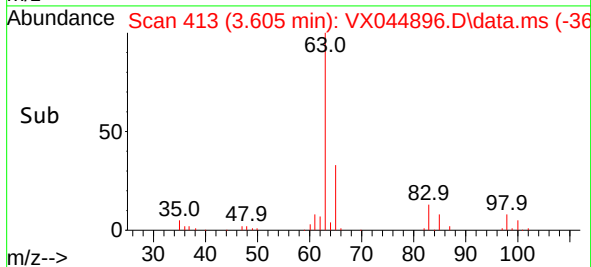
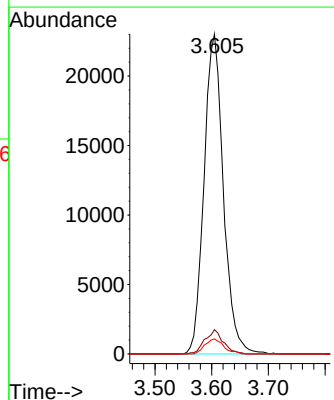
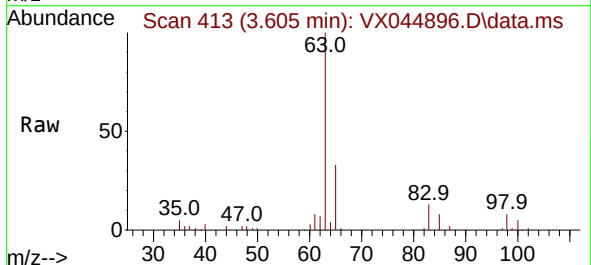
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBS01

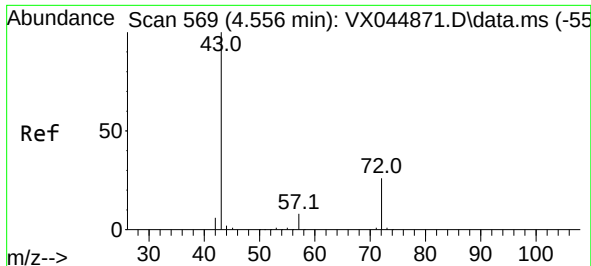
Tgt Ion: 43 Resp: 397646
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 18.099 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX044896.D
 Acq: 11 Feb 2025 11:23

Tgt Ion: 63 Resp: 54622
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.3 9.9
 100 4.7 2.1 6.5

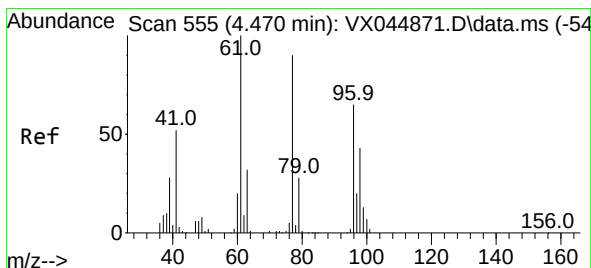
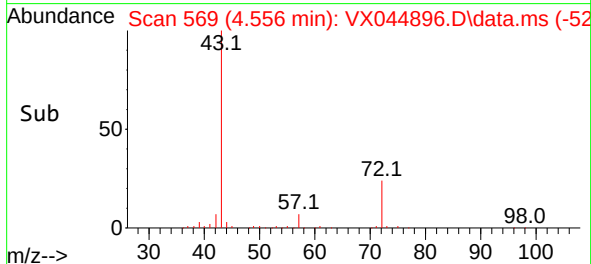
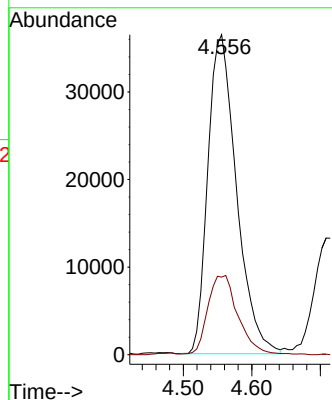
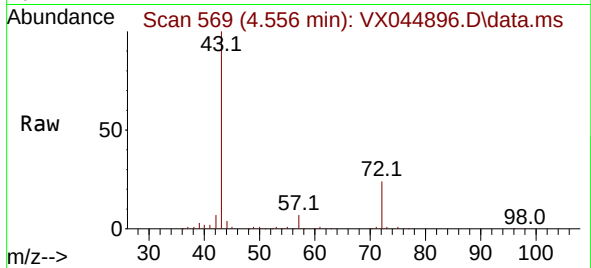




#25
2-Butanone
Concen: 90.302 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

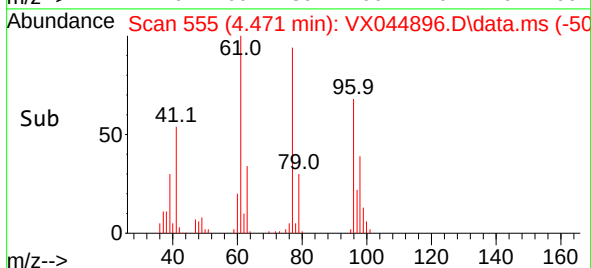
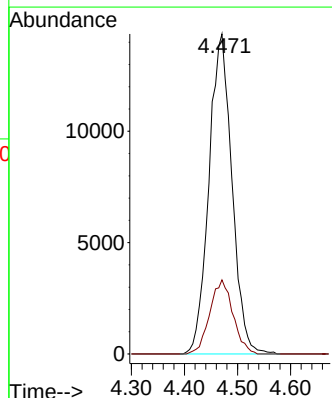
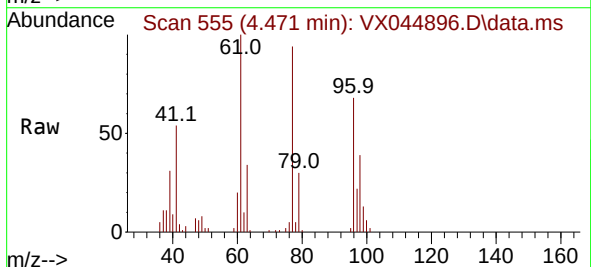
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

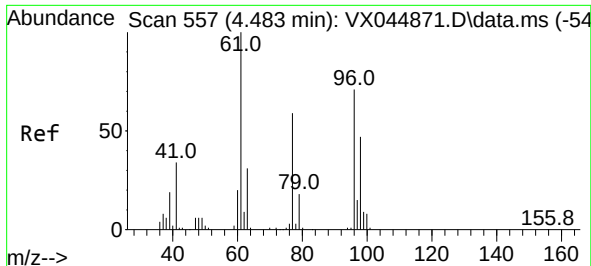
Tgt Ion: 43 Resp: 105608
Ion Ratio Lower Upper
43 100
72 24.0 21.2 31.8



#26
2,2-Dichloropropane
Concen: 18.080 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 77 Resp: 43271
Ion Ratio Lower Upper
77 100
97 23.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.557 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

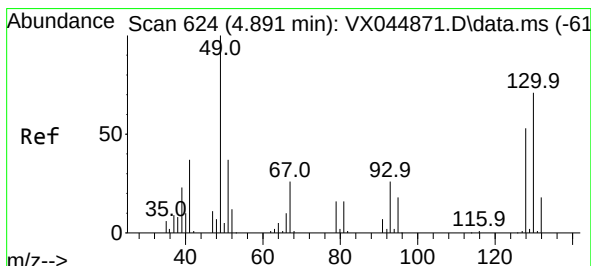
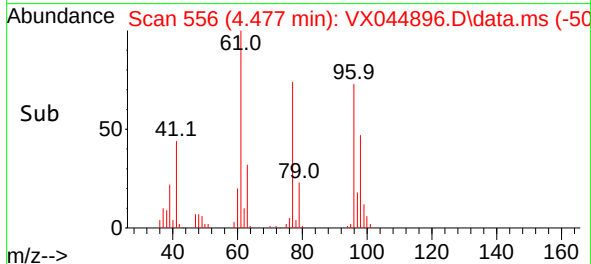
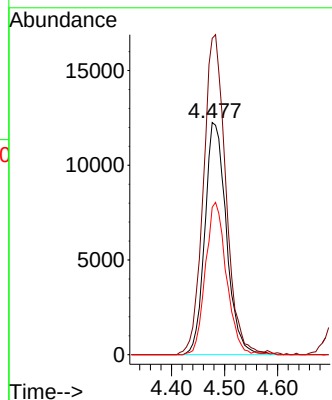
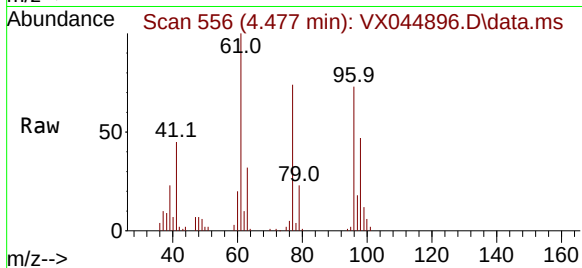
Tgt Ion: 96 Resp: 34607

Ion Ratio Lower Upper

96 100

61 143.1 0.0 294.0

98 63.9 0.0 131.2



#28

Bromochloromethane

Concen: 15.285 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

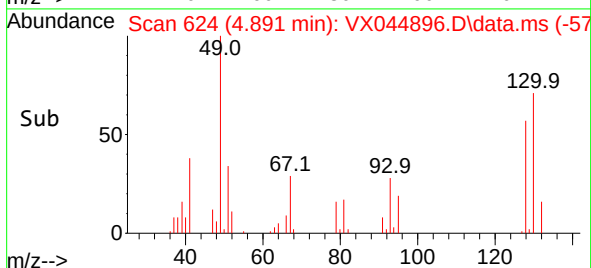
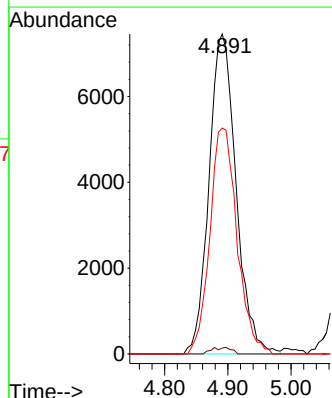
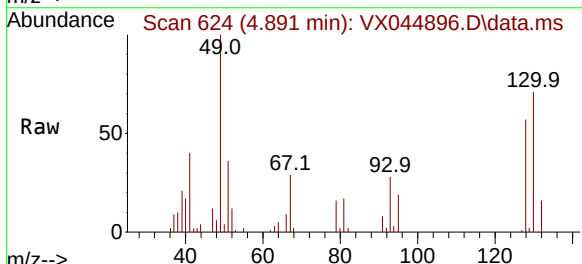
Tgt Ion: 49 Resp: 22169

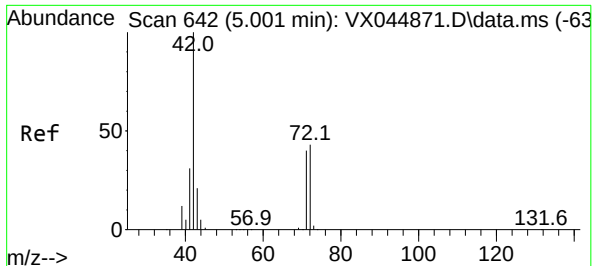
Ion Ratio Lower Upper

49 100

129 1.4 0.0 3.6

130 70.7 56.7 85.1





#29

Tetrahydrofuran

Concen: 92.261 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

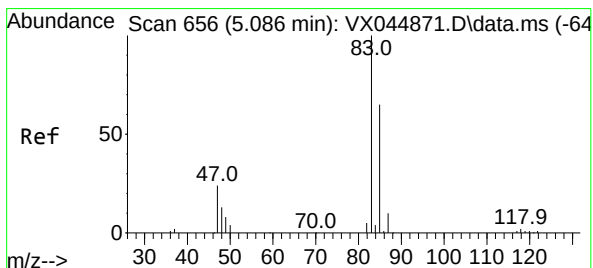
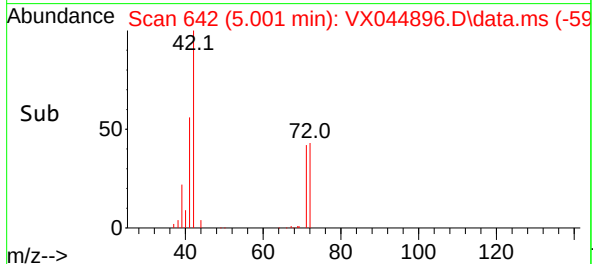
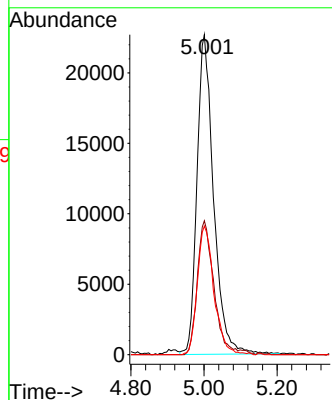
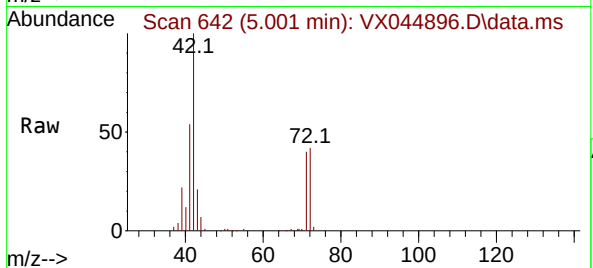
Tgt Ion: 42 Resp: 71647

Ion Ratio Lower Upper

42 100

72 42.5 35.0 52.4

71 40.6 32.6 48.8



#30

Chloroform

Concen: 18.470 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX044896.D

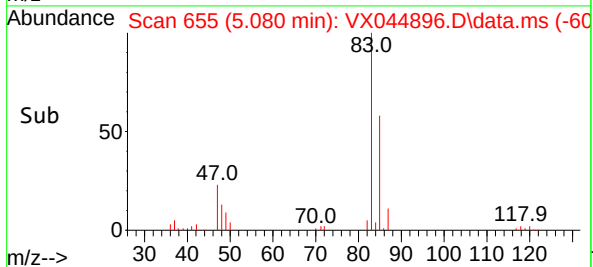
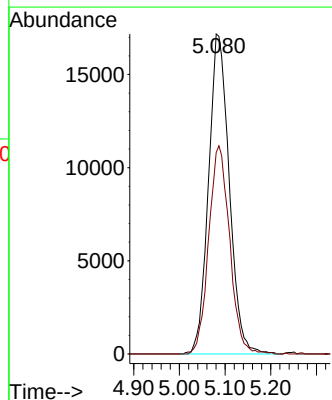
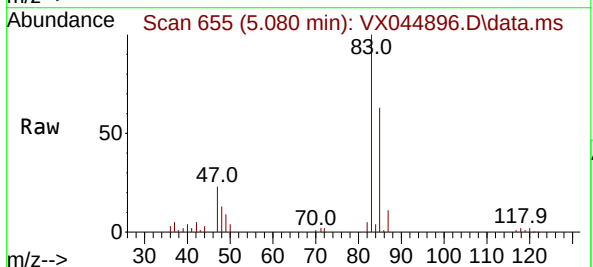
Acq: 11 Feb 2025 11:23

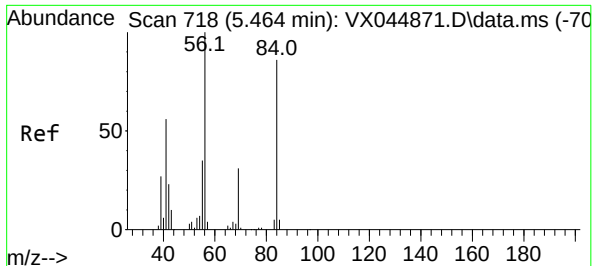
Tgt Ion: 83 Resp: 54058

Ion Ratio Lower Upper

83 100

85 62.9 52.1 78.1

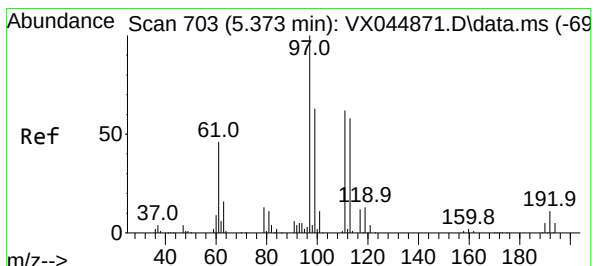
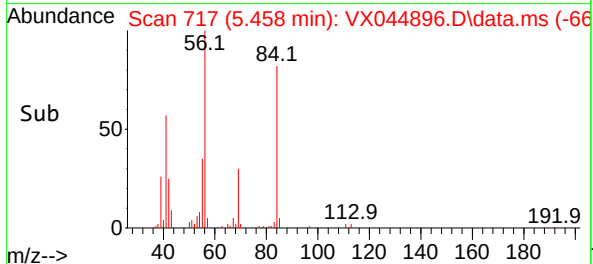
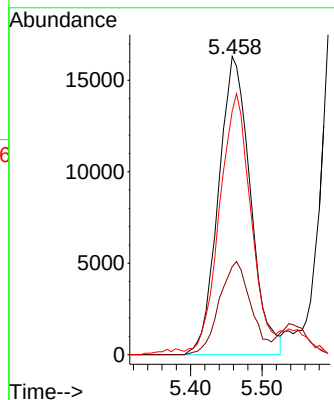
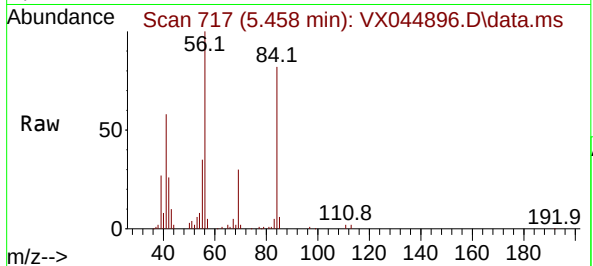




#31
Cyclohexane
Concen: 18.194 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

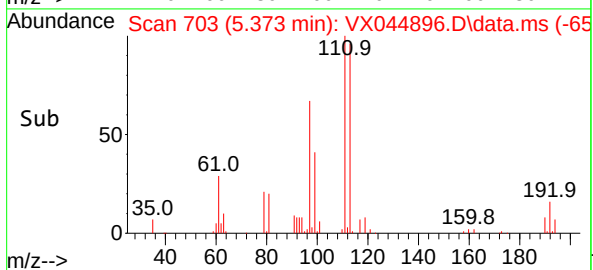
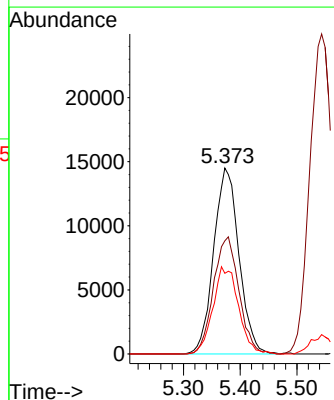
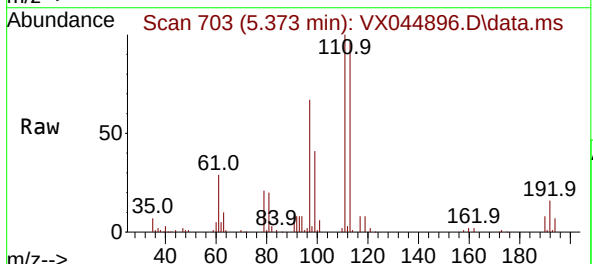
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

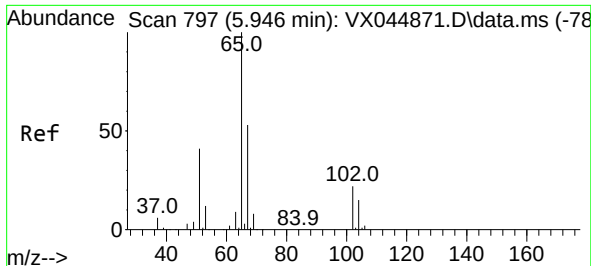
Tgt Ion: 56 Resp: 50621
Ion Ratio Lower Upper
56 100
69 29.1 24.4 36.6
84 80.1 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 18.109 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 97 Resp: 44956
Ion Ratio Lower Upper
97 100
99 63.3 51.0 76.6
61 47.3 36.6 55.0

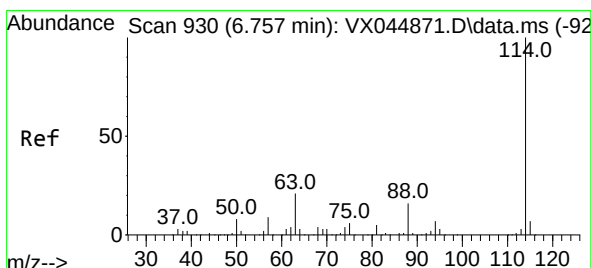
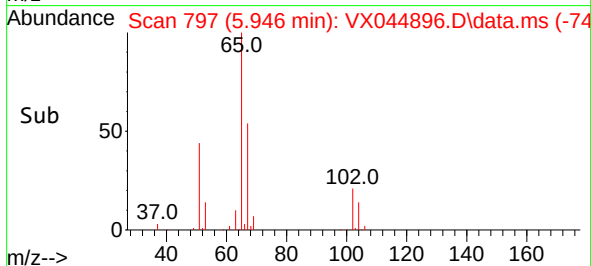
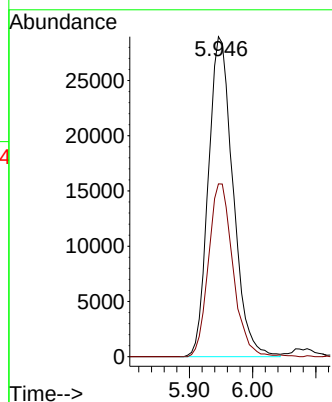
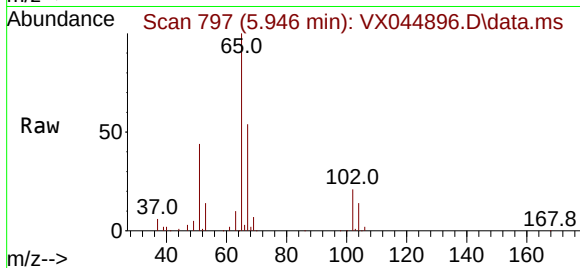




#33
 1,2-Dichloroethane-d4
 Concen: 43.760 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.000 min
 Lab File: VX044896.D
 Acq: 11 Feb 2025 11:23

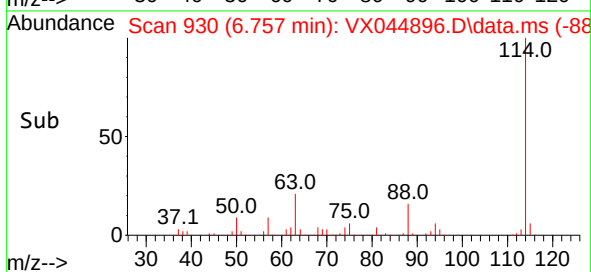
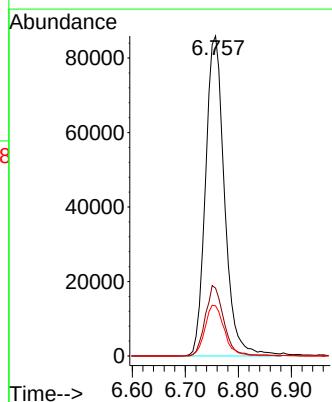
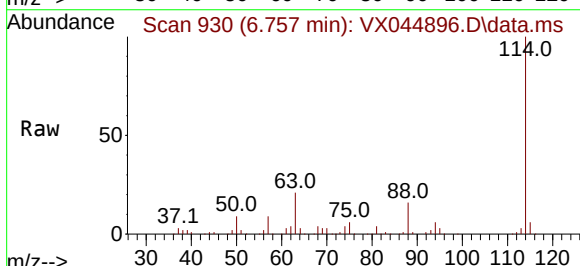
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBS01

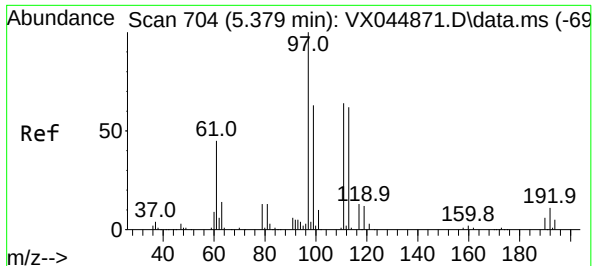
Tgt Ion: 65 Resp: 78398
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX044896.D
 Acq: 11 Feb 2025 11:23

Tgt Ion: 114 Resp: 213544
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.4
 88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.489 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

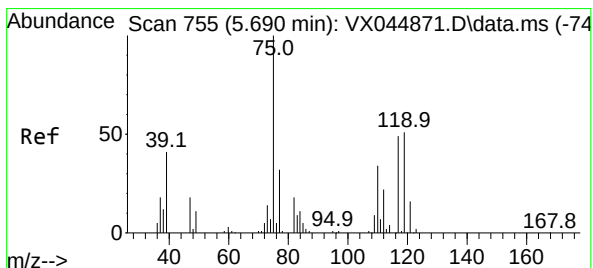
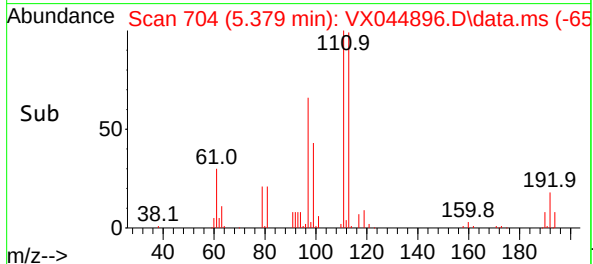
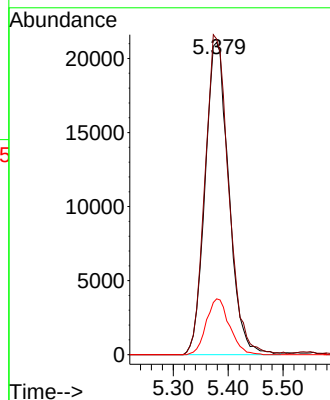
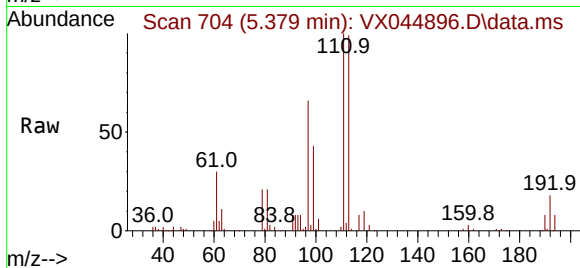
Tgt Ion:113 Resp: 63156

Ion Ratio Lower Upper

113 100

111 103.0 83.5 125.3

192 17.5 14.4 21.6



#36

1,1-Dichloropropene

Concen: 19.249 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

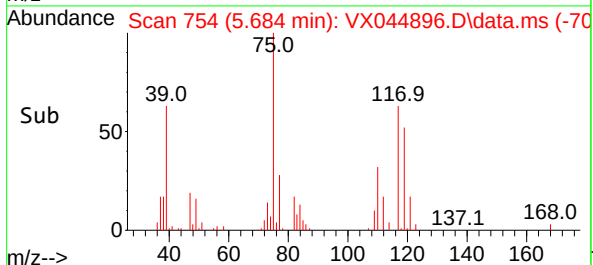
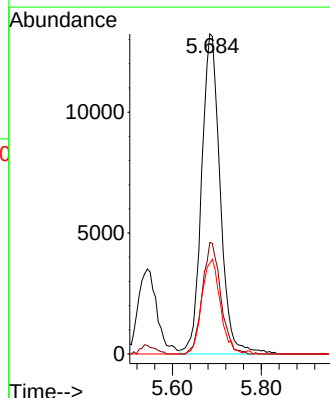
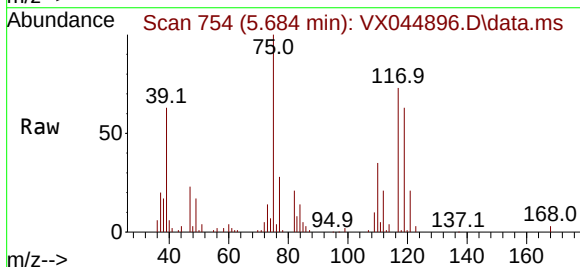
Tgt Ion: 75 Resp: 38557

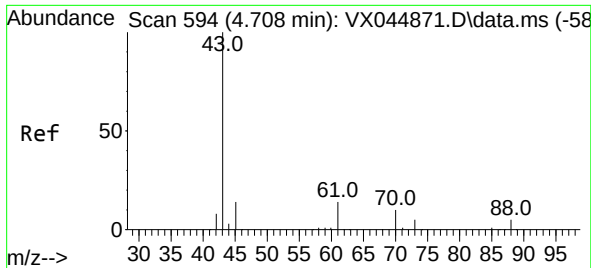
Ion Ratio Lower Upper

75 100

110 34.5 17.2 51.6

77 29.6 24.6 37.0





#37

Ethyl Acetate

Concen: 17.903 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

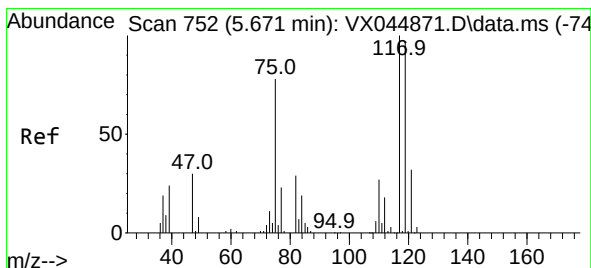
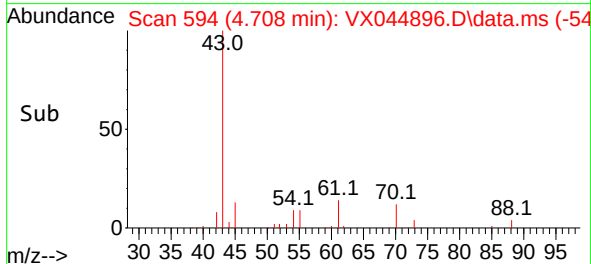
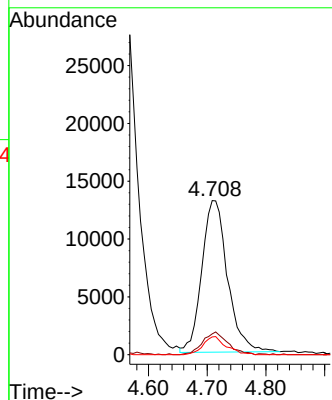
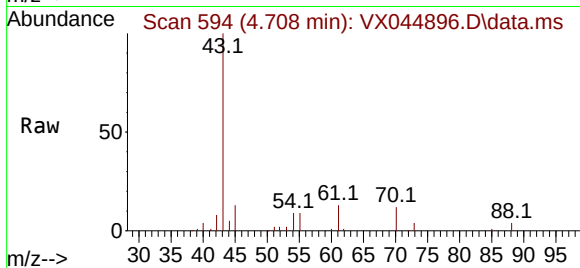
Tgt Ion: 43 Resp: 39887

Ion Ratio Lower Upper

43 100

61 14.5 11.0 16.4

70 10.7 8.2 12.2



#38

Carbon Tetrachloride

Concen: 19.346 ug/l

RT: 5.665 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

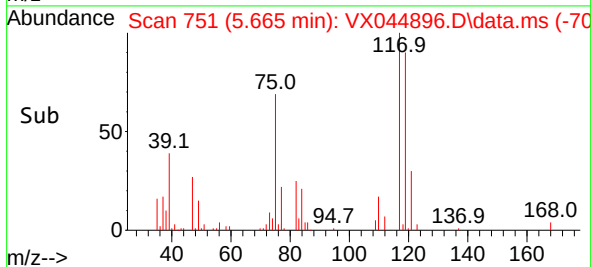
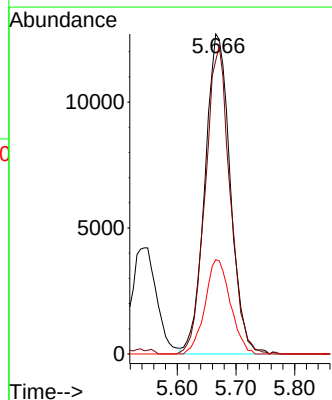
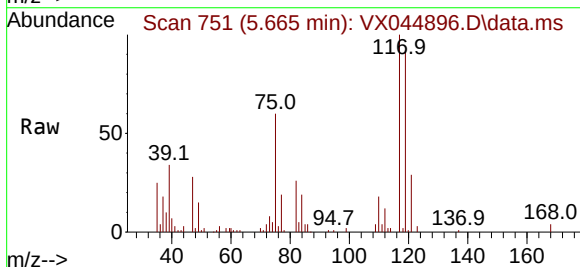
Tgt Ion: 117 Resp: 37975

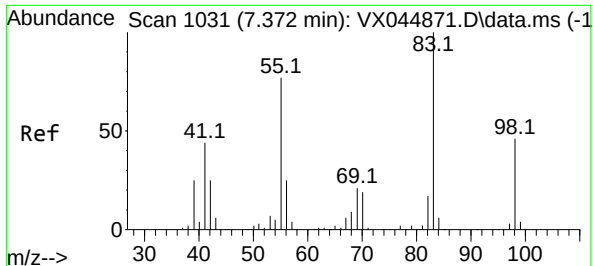
Ion Ratio Lower Upper

117 100

119 91.7 77.5 116.3

121 29.5 25.6 38.4





#39

Methylcyclohexane

Concen: 20.307 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

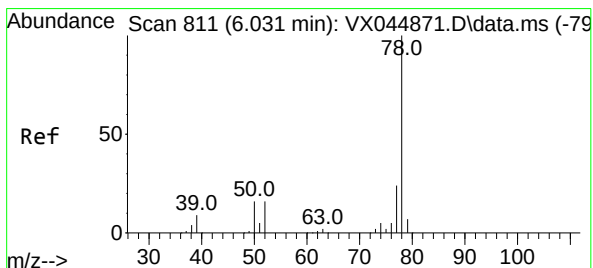
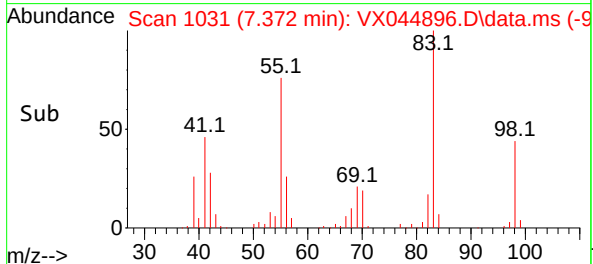
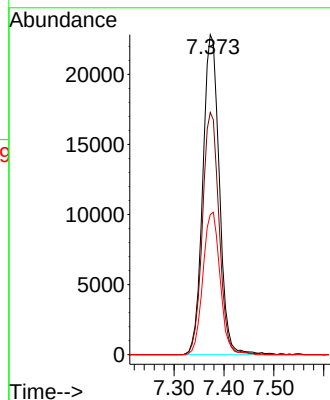
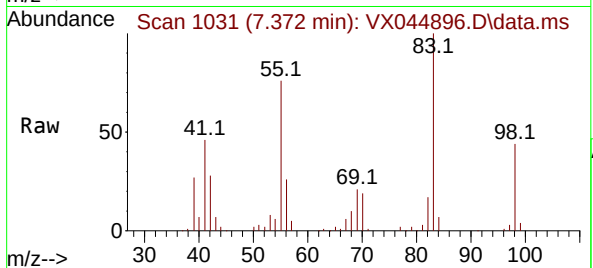
Tgt Ion: 83 Resp: 52588

Ion Ratio Lower Upper

83 100

55 75.7 61.3 91.9

98 43.8 37.0 55.6



#40

Benzene

Concen: 19.233 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044896.D

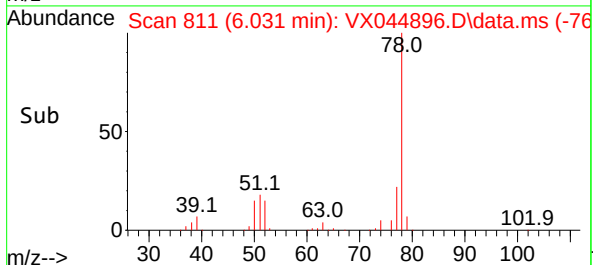
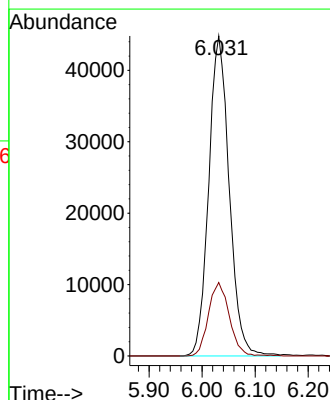
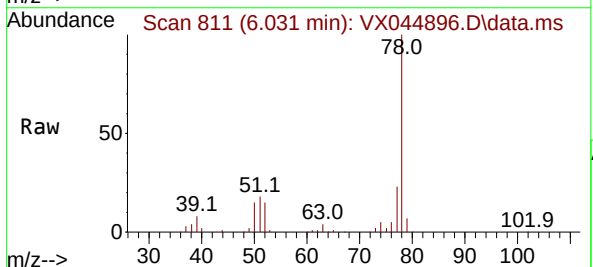
Acq: 11 Feb 2025 11:23

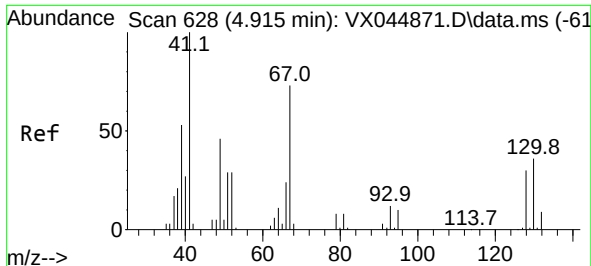
Tgt Ion: 78 Resp: 120297

Ion Ratio Lower Upper

78 100

77 23.0 19.0 28.6

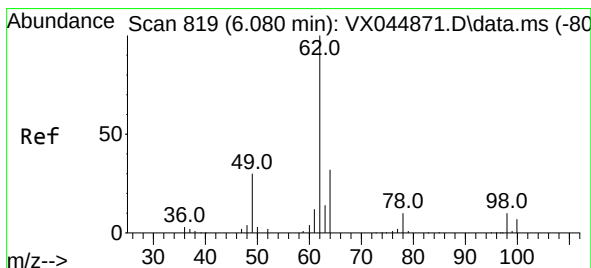
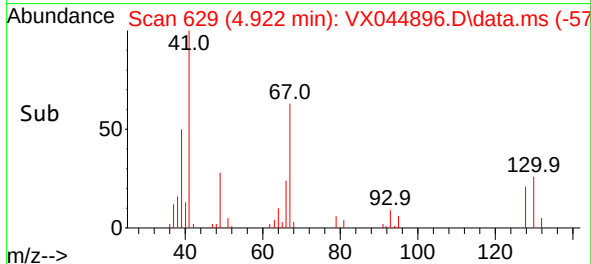
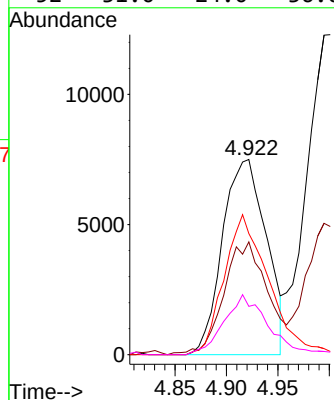
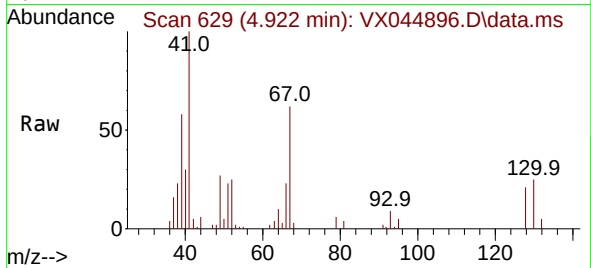




#41
Methacrylonitrile
Concen: 18.621 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

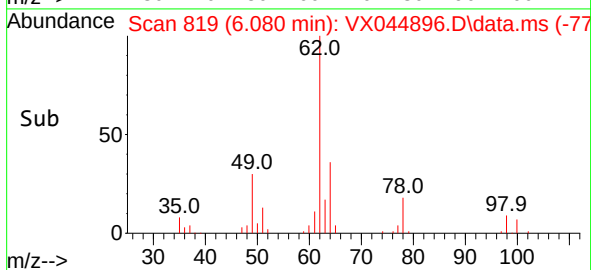
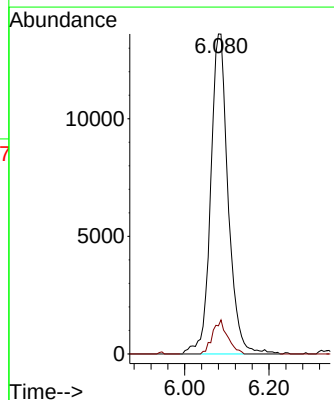
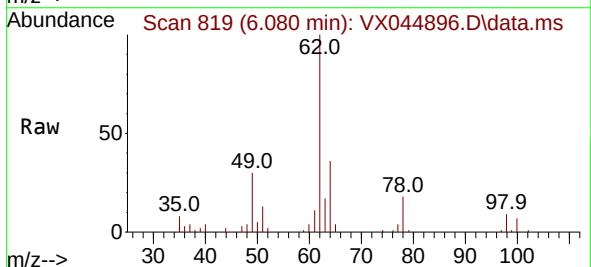
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

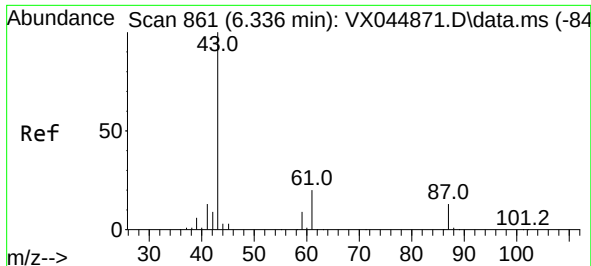
Tgt Ion: 41	Resp: 22207
Ion Ratio	Lower Upper
41 100	
39 57.8	43.1 64.7
67 73.5	57.0 85.6
52 31.0	24.0 36.0



#42
1,2-Dichloroethane
Concen: 19.662 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 62	Resp: 39196
Ion Ratio	Lower Upper
62 100	
98 9.1	0.0 19.4

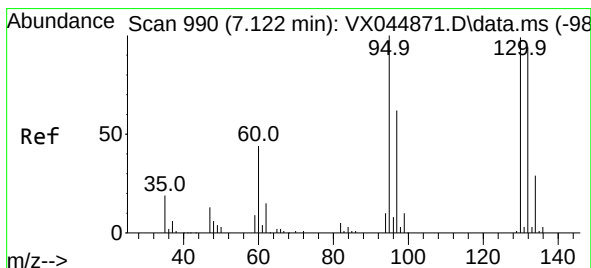
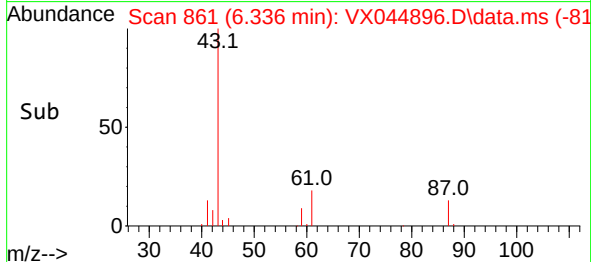
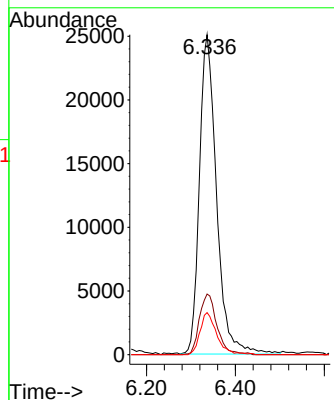
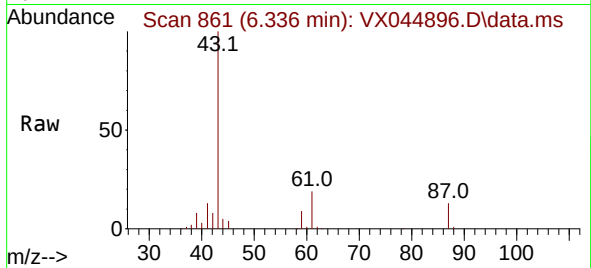




#43
Isopropyl Acetate
Concen: 18.670 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

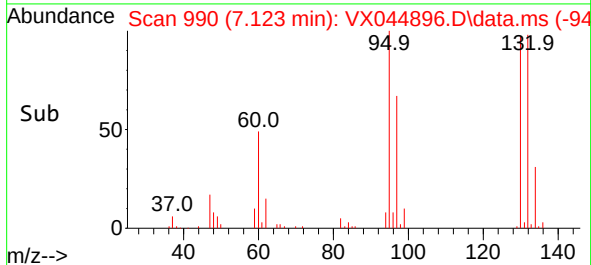
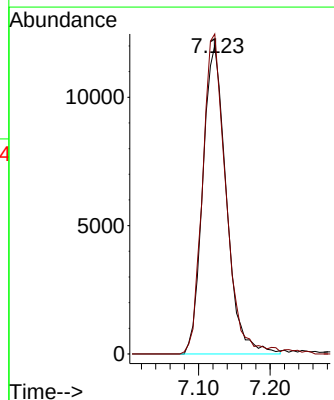
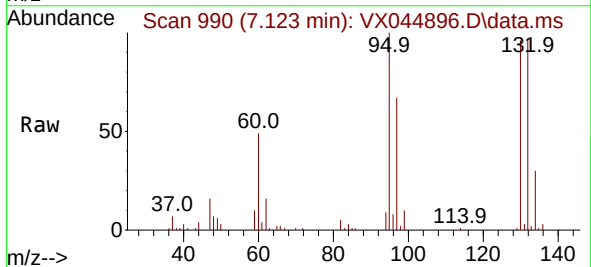
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

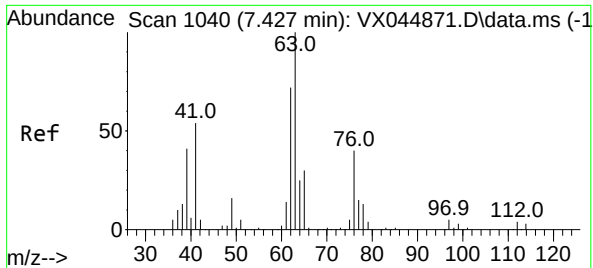
Tgt Ion: 43 Resp: 67173
Ion Ratio Lower Upper
43 100
61 19.5 15.8 23.8
87 12.9 10.0 15.0



#44
Trichloroethene
Concen: 19.193 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:130 Resp: 27440
Ion Ratio Lower Upper
130 100
95 103.8 0.0 202.4





#45

1,2-Dichloropropane

Concen: 19.091 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

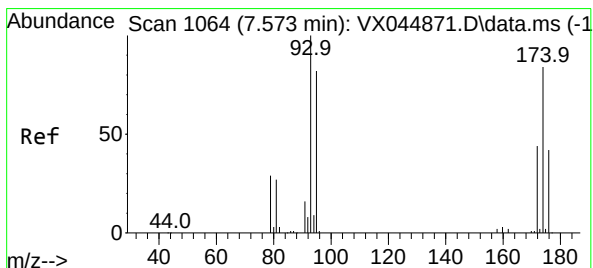
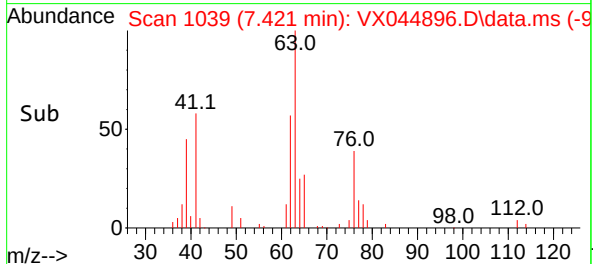
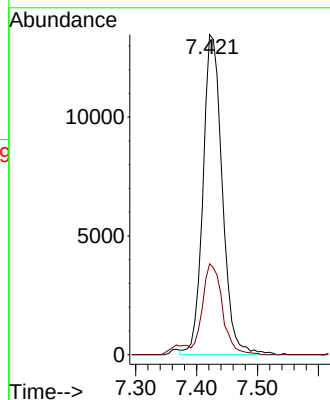
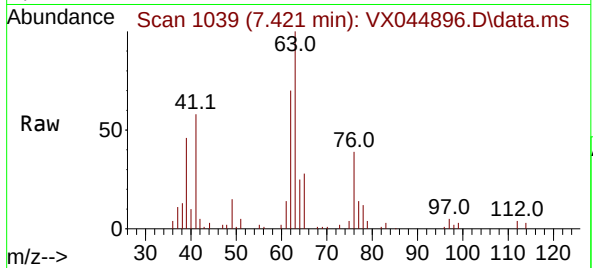
VX0211WBS01

Tgt Ion: 63 Resp: 29707

Ion Ratio Lower Upper

63 100

65 28.4 24.2 36.4



#46

Dibromomethane

Concen: 19.240 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

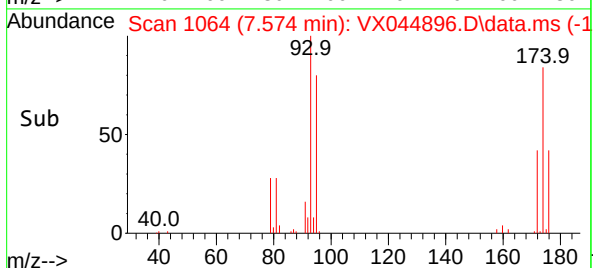
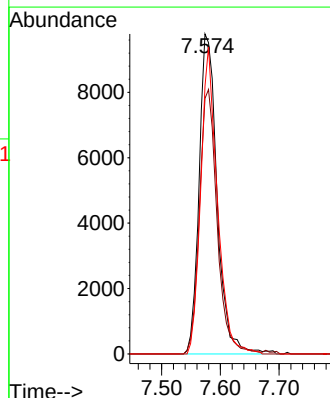
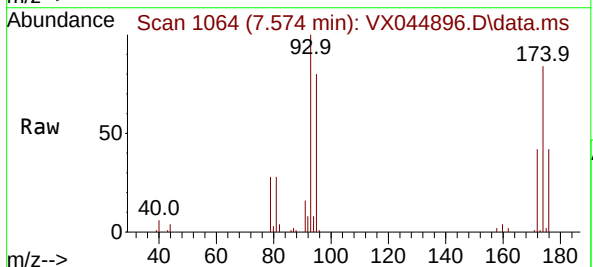
Tgt Ion: 93 Resp: 20763

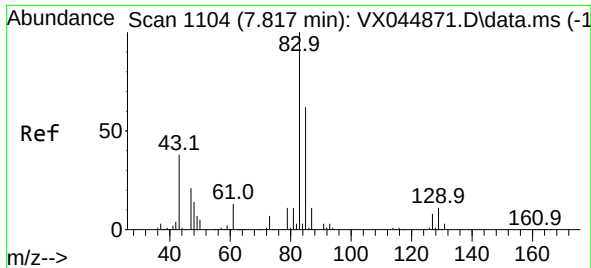
Ion Ratio Lower Upper

93 100

95 81.2 66.2 99.4

174 88.8 69.9 104.9

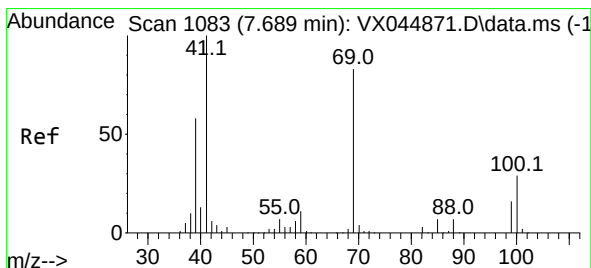
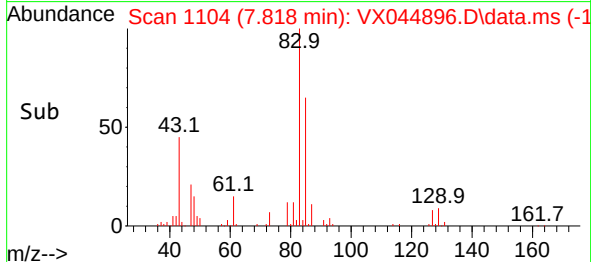
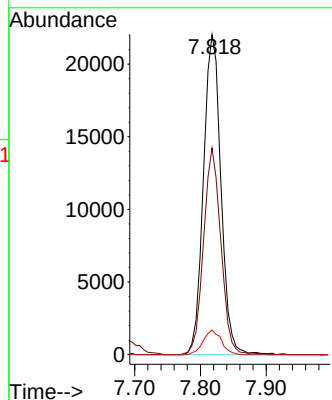
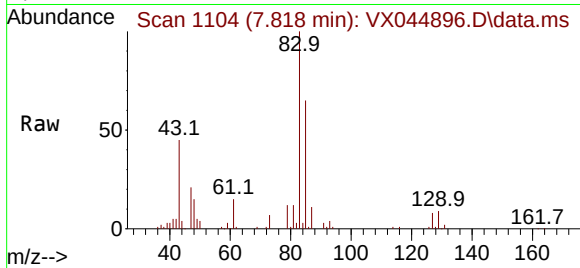




#47
Bromodichloromethane
Concen: 19.539 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

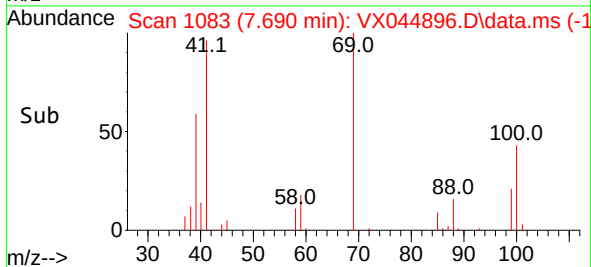
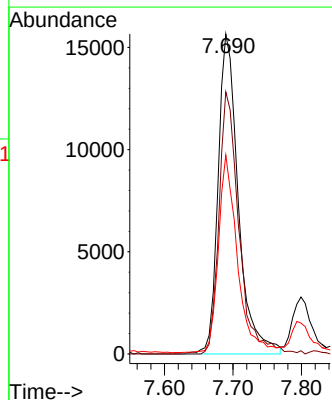
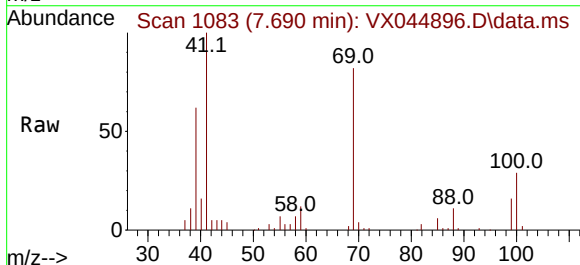
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

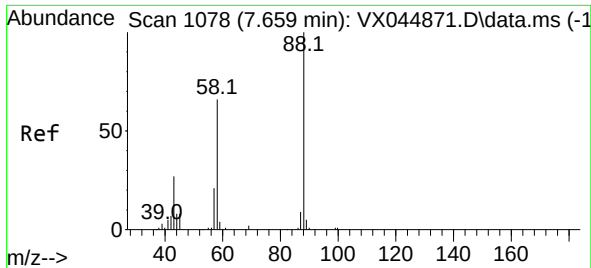
Tgt Ion: 83 Resp: 40827
Ion Ratio Lower Upper
83 100
85 64.6 50.0 75.0
127 7.7 6.4 9.6



#48
Methyl methacrylate
Concen: 18.854 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 41 Resp: 31984
Ion Ratio Lower Upper
41 100
69 80.7 65.8 98.8
39 57.5 46.4 69.6

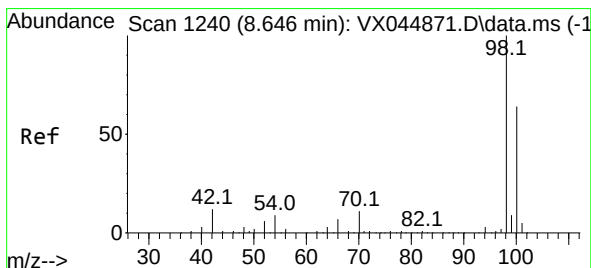
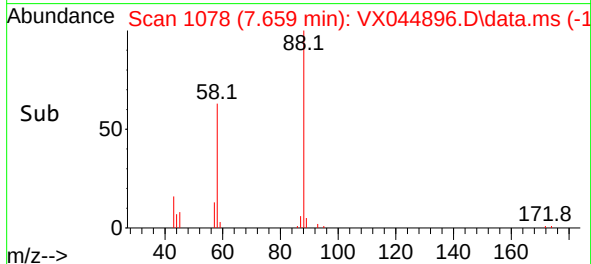
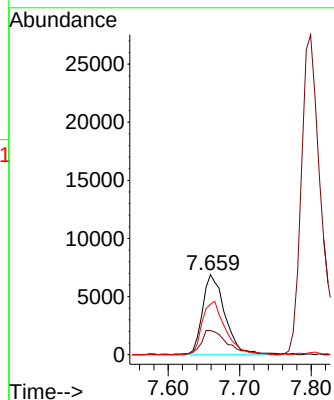
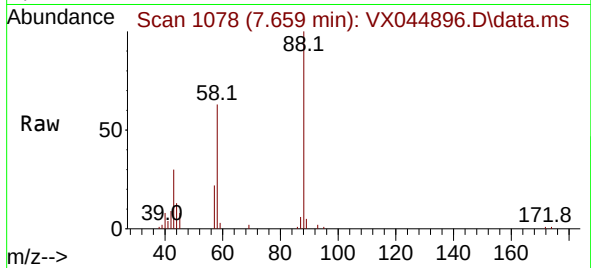




#49
1,4-Dioxane
Concen: 413.003 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

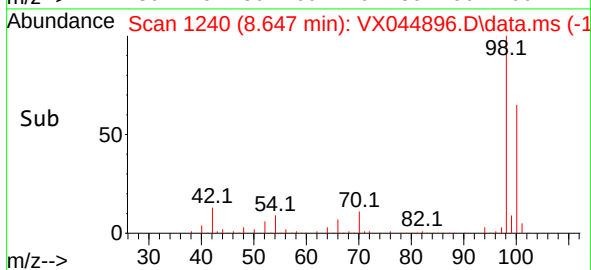
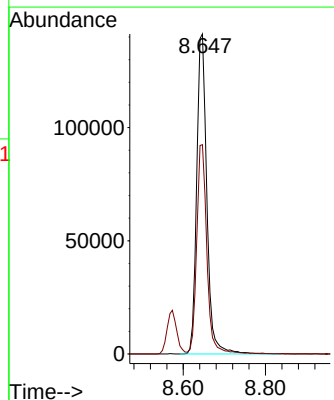
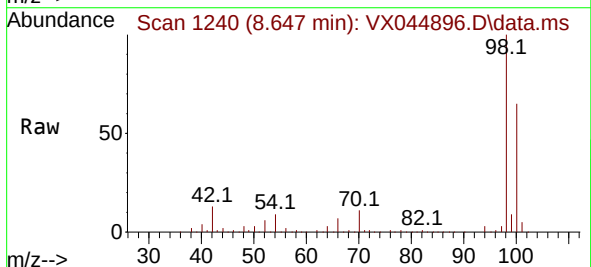
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

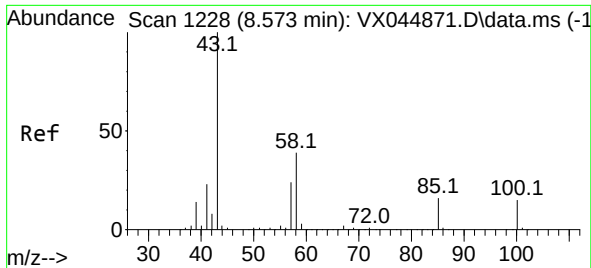
Tgt Ion: 88 Resp: 15032
Ion Ratio Lower Upper
88 100
43 36.3 26.6 39.8
58 68.2 55.9 83.9



#50
Toluene-d8
Concen: 46.183 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 98 Resp: 242464
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1

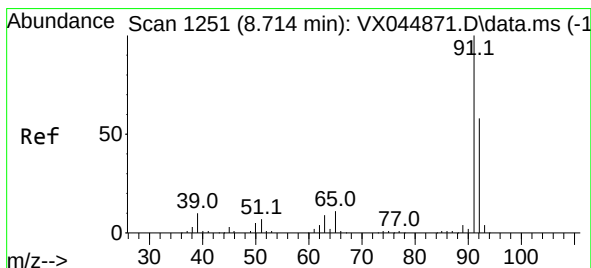
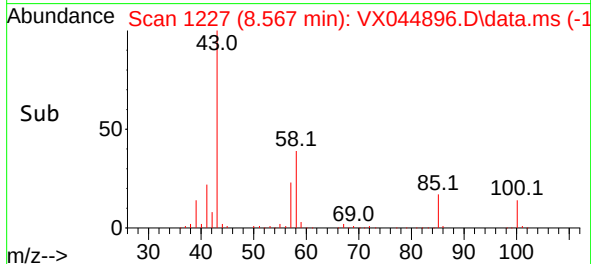
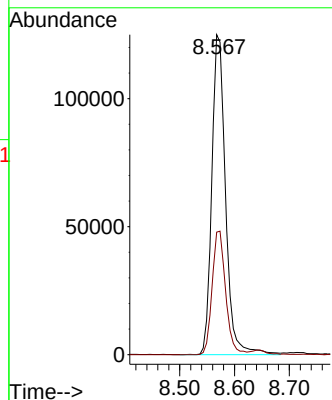
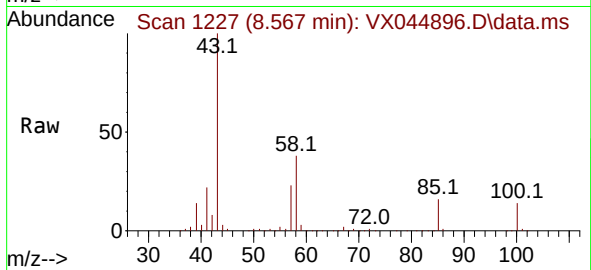




#51
4-Methyl-2-Pentanone
Concen: 99.343 ug/l
RT: 8.567 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

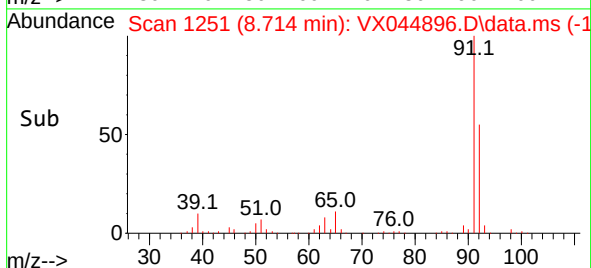
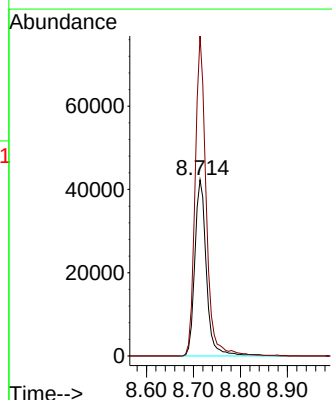
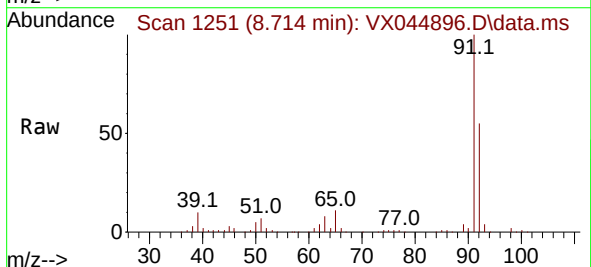
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

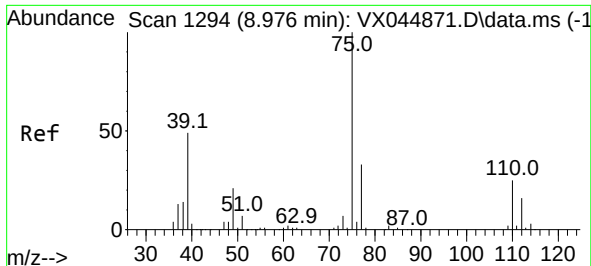
Tgt Ion: 43 Resp: 217292
Ion Ratio Lower Upper
43 100
58 37.9 30.8 46.2



#52
Toluene
Concen: 19.549 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 92 Resp: 72821
Ion Ratio Lower Upper
92 100
91 174.1 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 18.577 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

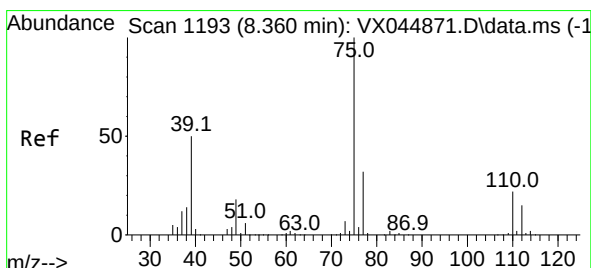
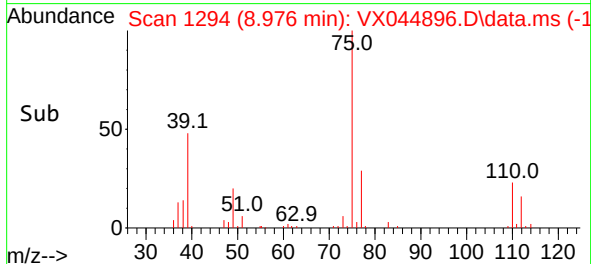
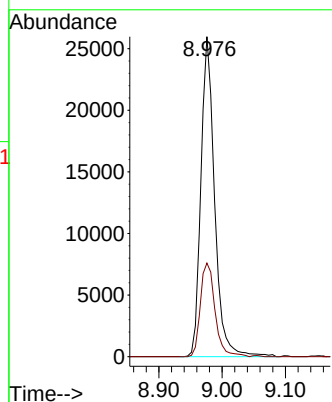
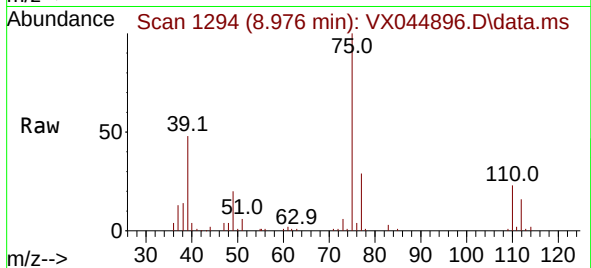
VX0211WBS01

Tgt Ion: 75 Resp: 39281

Ion Ratio Lower Upper

75 100

77 29.3 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 19.077 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

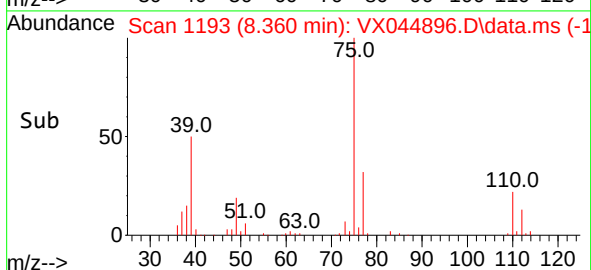
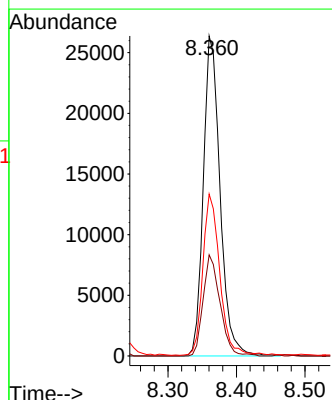
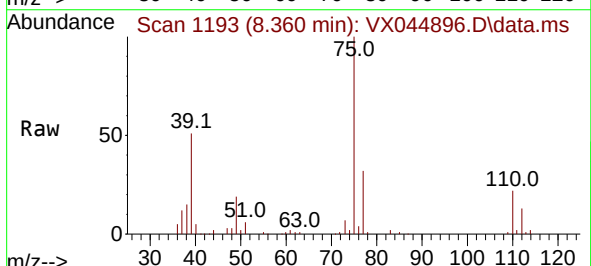
Tgt Ion: 75 Resp: 44977

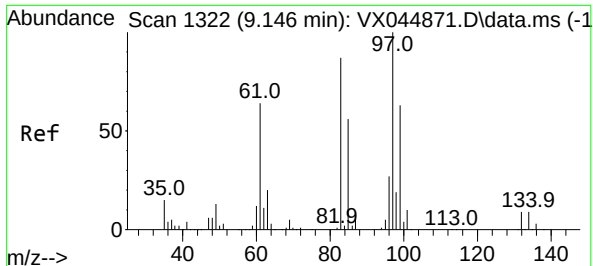
Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

39 50.4 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 19.816 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

Tgt Ion: 97 Resp: 28376

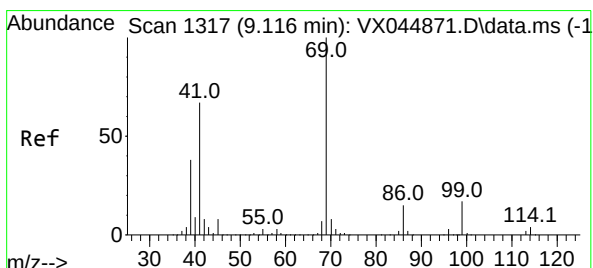
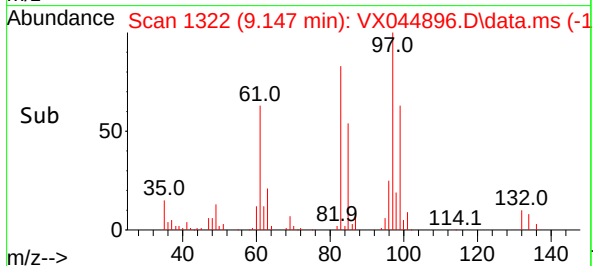
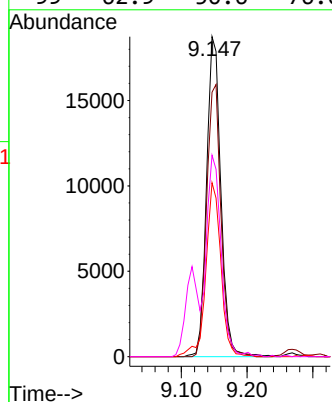
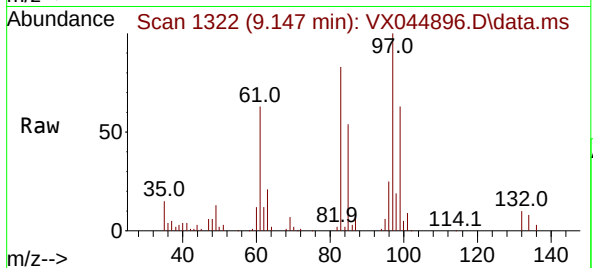
Ion Ratio Lower Upper

97 100

83 82.7 69.8 104.6

85 54.4 44.8 67.2

99 62.9 50.6 76.0



#56

Ethyl methacrylate

Concen: 19.041 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

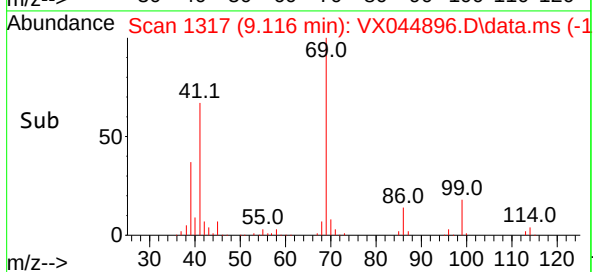
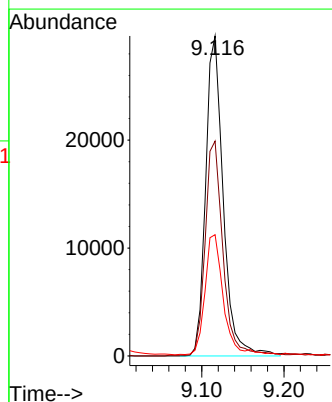
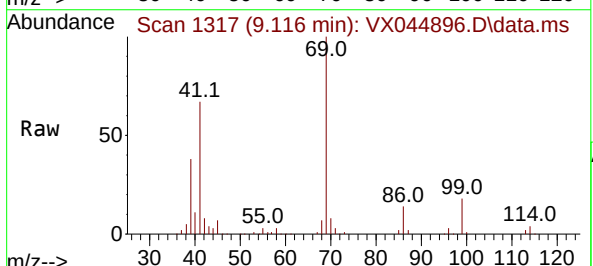
Tgt Ion: 69 Resp: 44038

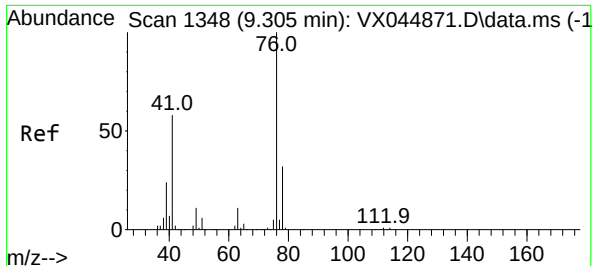
Ion Ratio Lower Upper

69 100

41 68.6 55.2 82.8

39 39.3 30.8 46.2





#57

1,3-Dichloropropane

Concen: 19.446 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

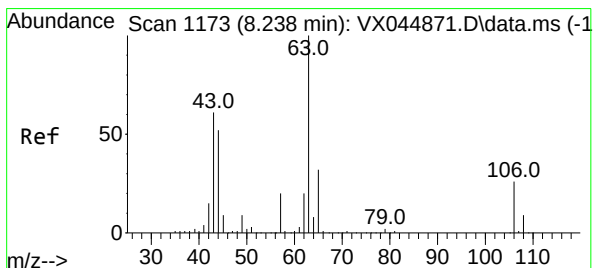
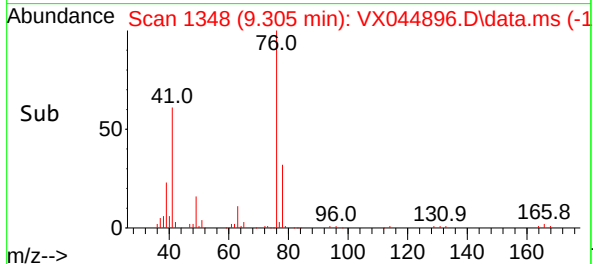
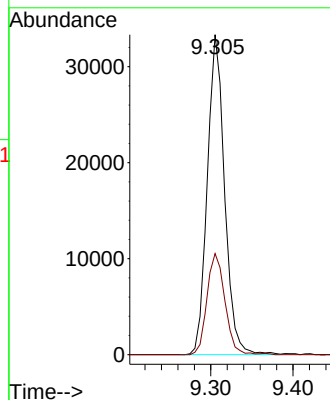
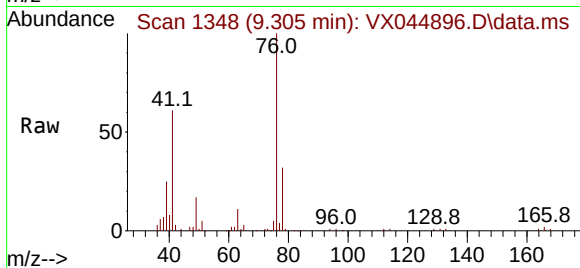
VX0211WBS01

Tgt Ion: 76 Resp: 48722

Ion Ratio Lower Upper

76 100

78 32.8 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 80.829 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044896.D

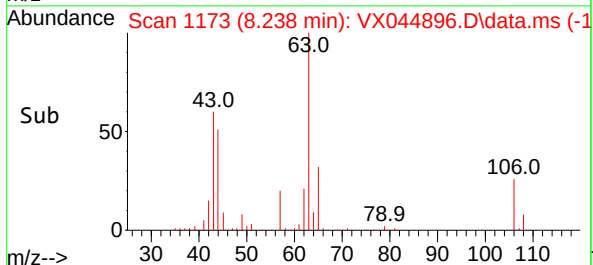
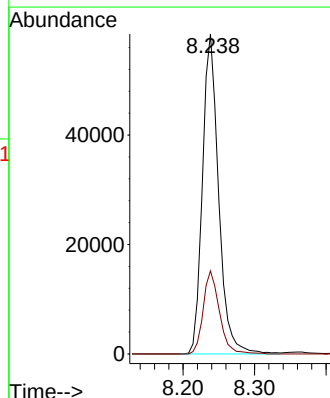
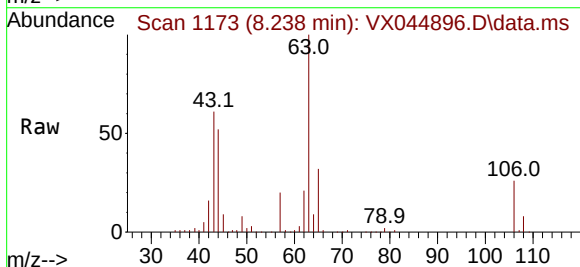
Acq: 11 Feb 2025 11:23

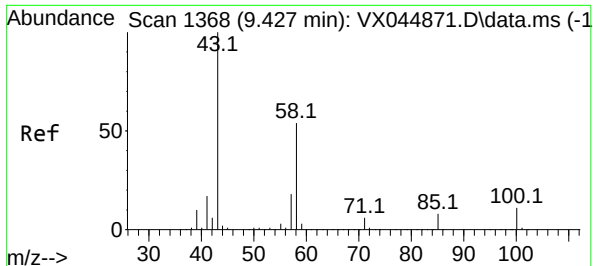
Tgt Ion: 63 Resp: 91789

Ion Ratio Lower Upper

63 100

106 26.0 21.3 31.9

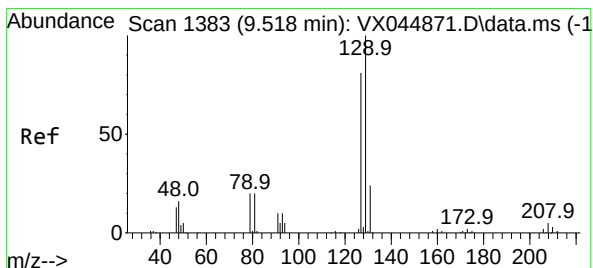
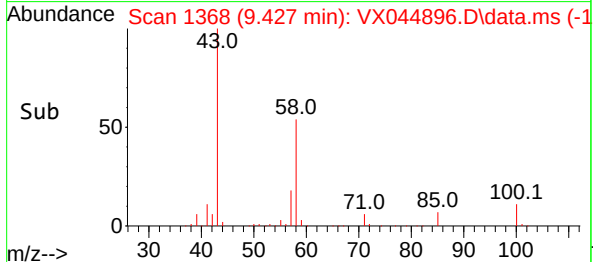
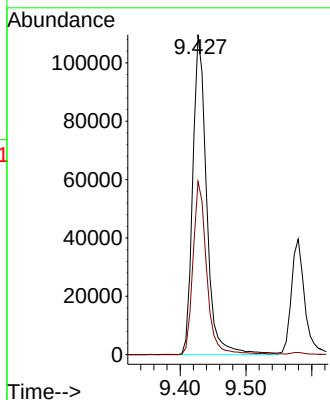
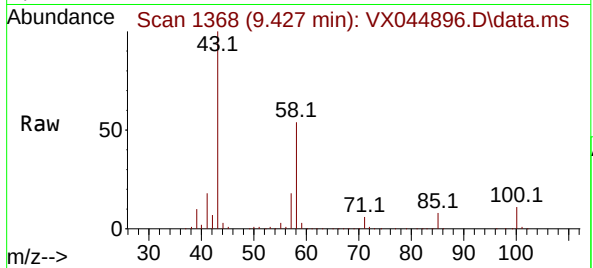




#59
2-Hexanone
Concen: 101.894 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

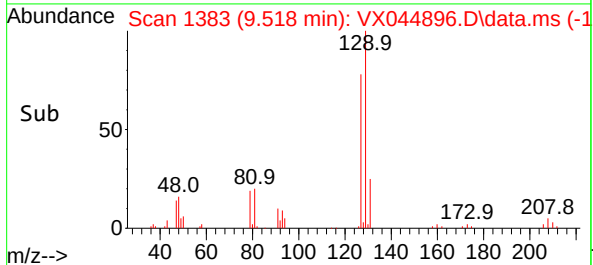
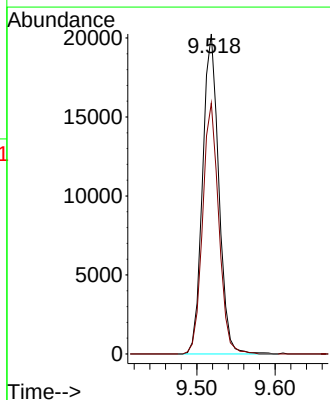
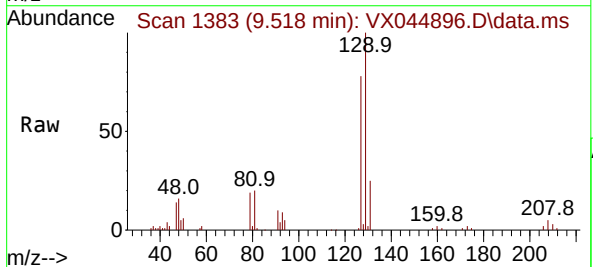
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

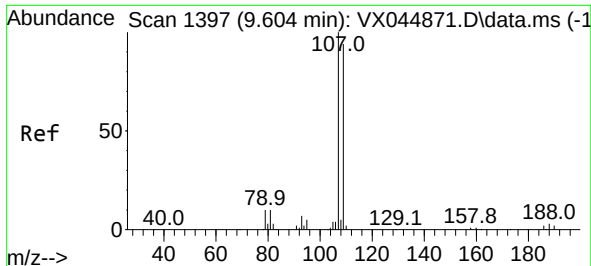
Tgt Ion: 43 Resp: 160581
Ion Ratio Lower Upper
43 100
58 53.2 27.5 82.4



#60
Dibromochloromethane
Concen: 18.964 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 129 Resp: 29042
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.3

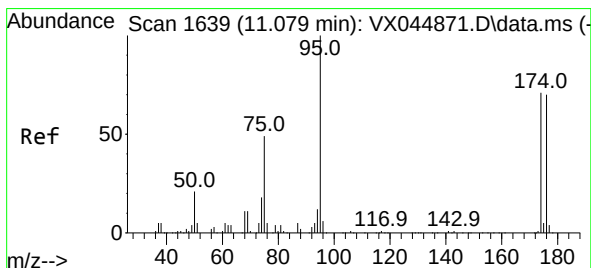
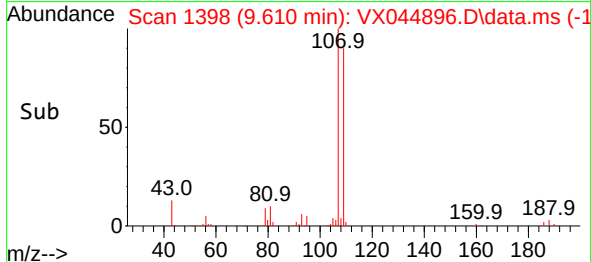
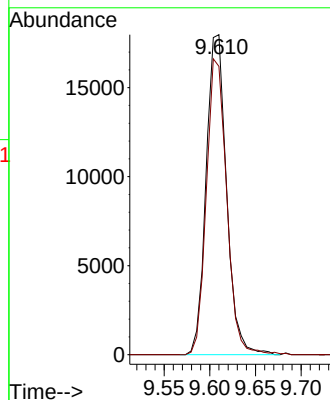
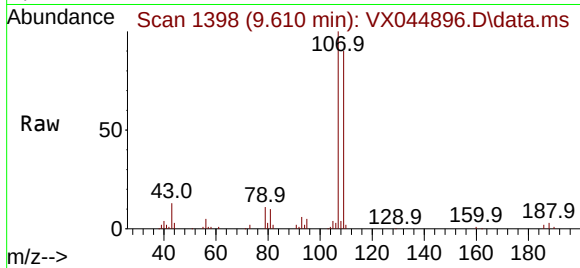




#61
1,2-Dibromoethane
Concen: 19.199 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

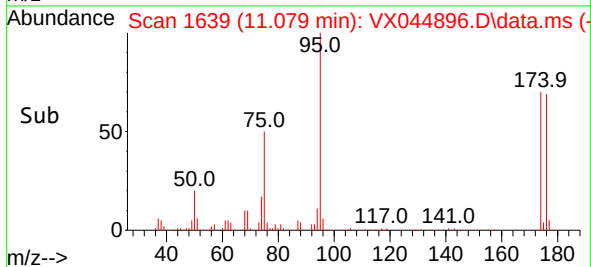
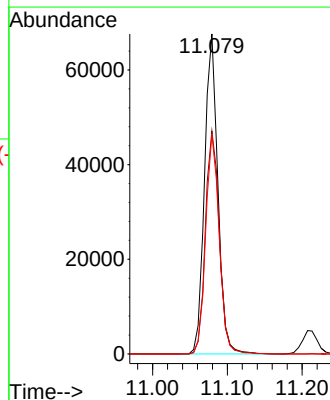
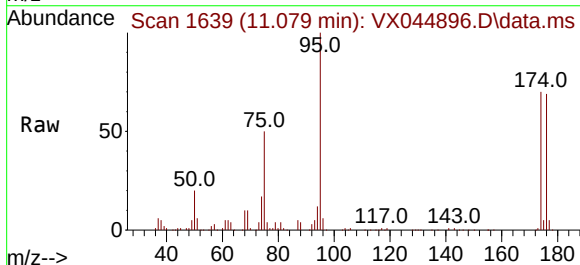
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

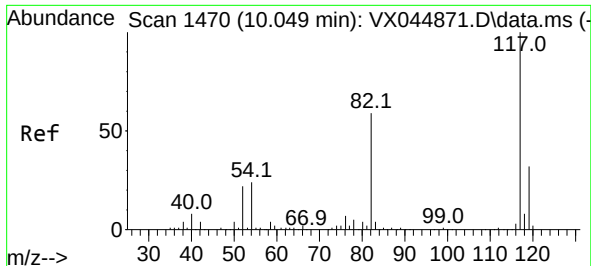
Tgt Ion:107 Resp: 27865
Ion Ratio Lower Upper
107 100
109 92.2 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 47.362 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 95 Resp: 83827
Ion Ratio Lower Upper
95 100
174 72.9 0.0 142.6
176 69.4 0.0 141.6

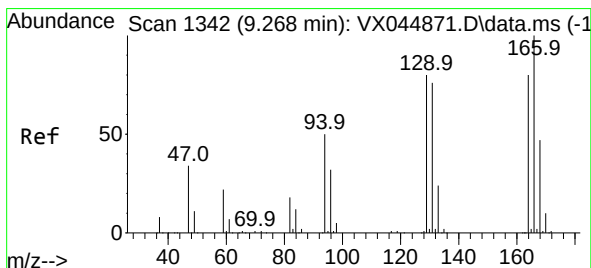
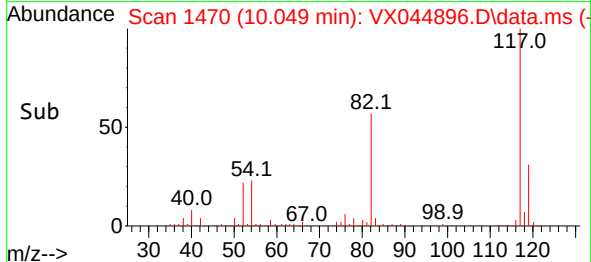
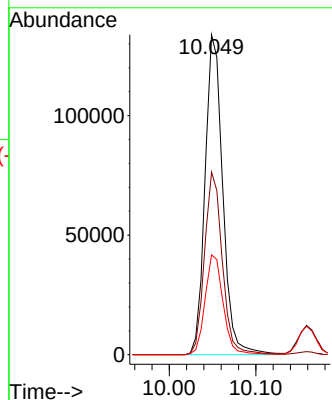
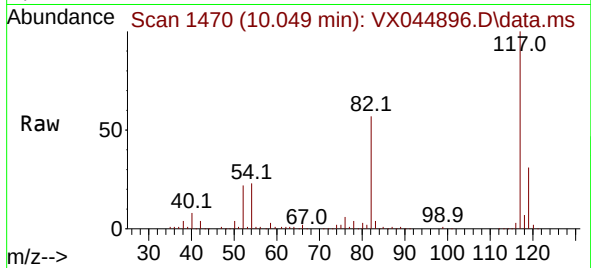




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

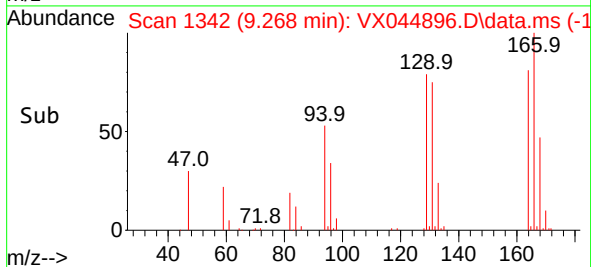
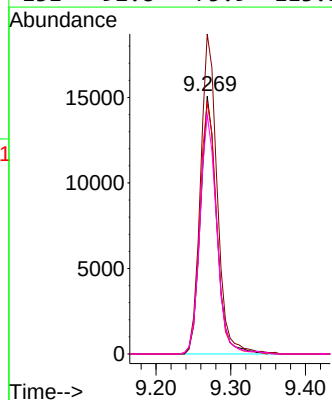
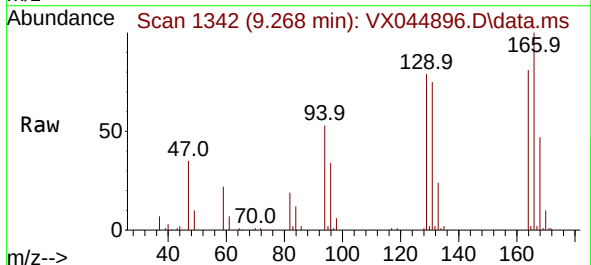
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

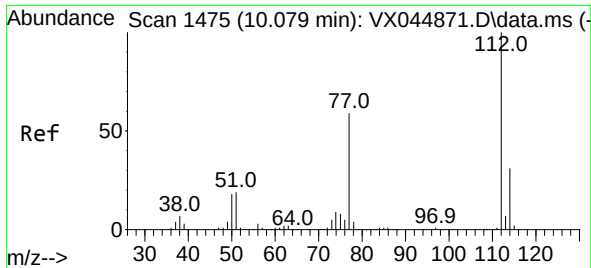
Tgt Ion:117 Resp: 190238
Ion Ratio Lower Upper
117 100
82 57.0 47.5 71.3
119 31.2 25.4 38.0



#64
Tetrachloroethene
Concen: 18.808 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:164 Resp: 22565
Ion Ratio Lower Upper
164 100
166 124.2 100.4 150.6
129 97.5 79.9 119.9
131 92.8 75.9 113.9

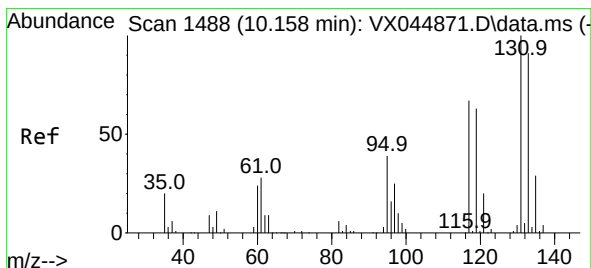
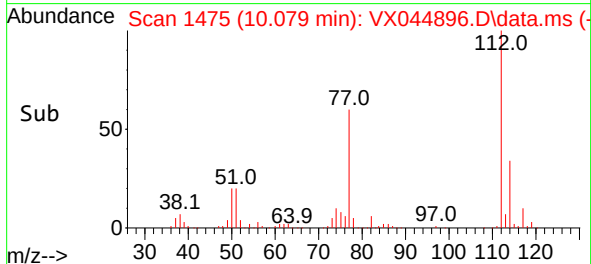
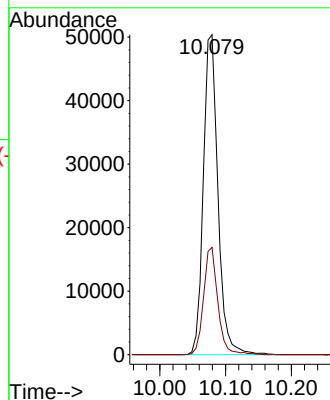
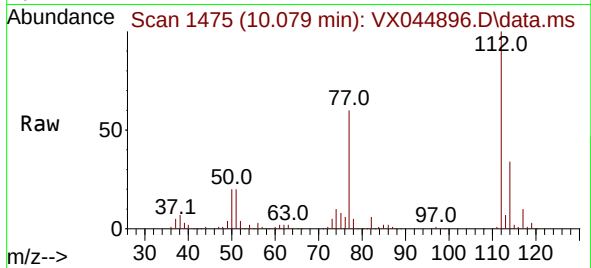




#65
Chlorobenzene
Concen: 19.048 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

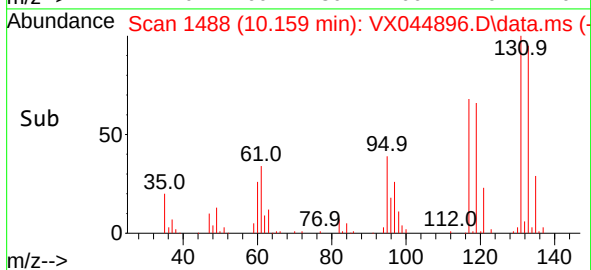
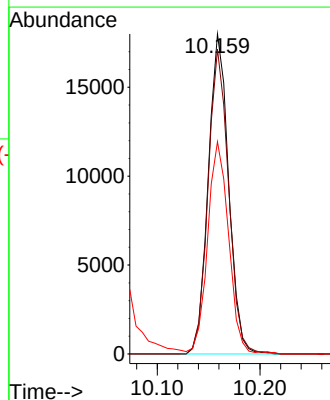
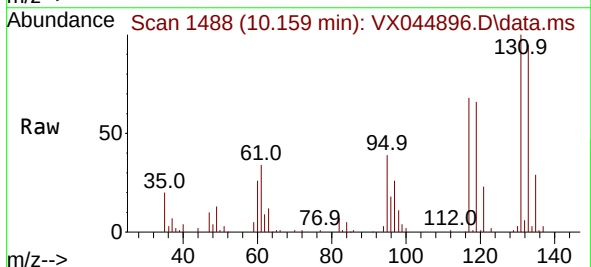
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

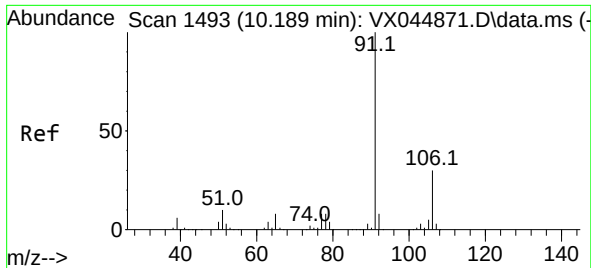
Tgt Ion:112 Resp: 77829
Ion Ratio Lower Upper
112 100
114 33.6 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 18.825 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:131 Resp: 24758
Ion Ratio Lower Upper
131 100
133 96.1 47.1 141.3
119 68.2 33.6 100.6

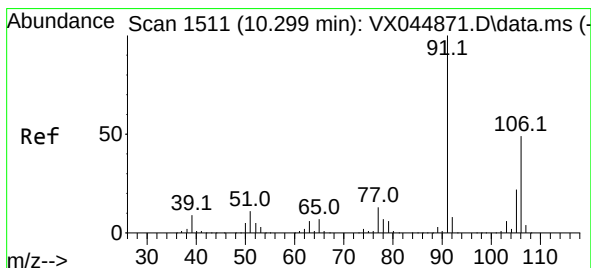
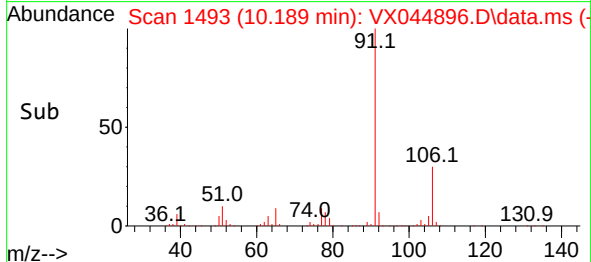
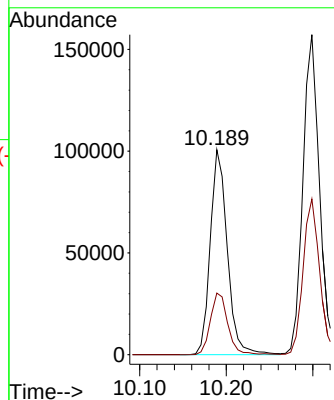
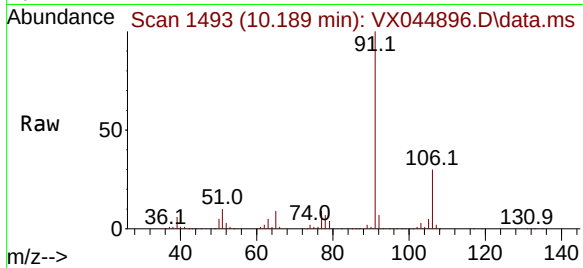




#67
Ethyl Benzene
Concen: 19.107 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

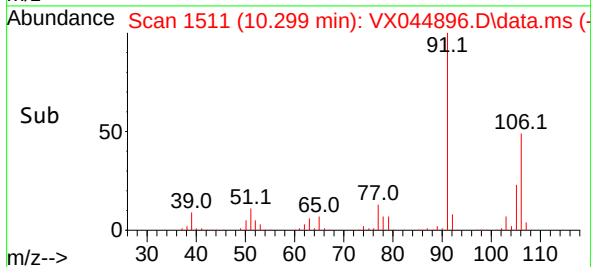
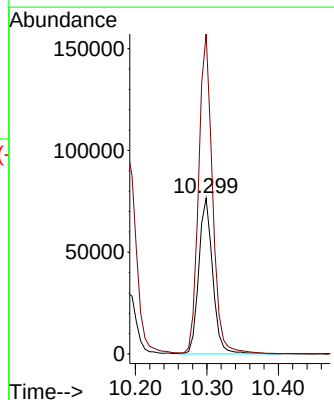
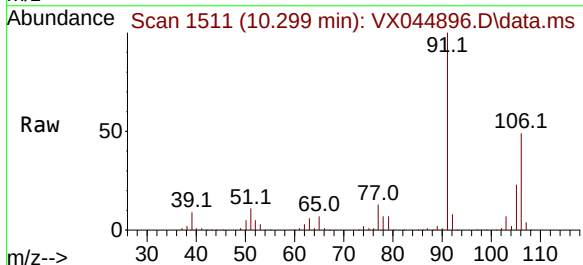
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

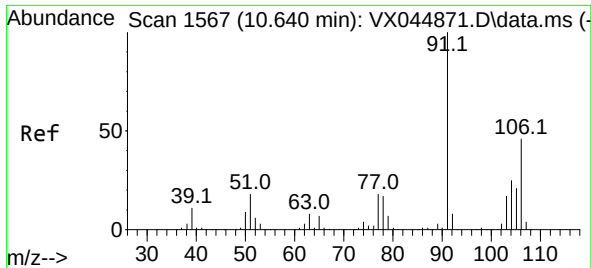
Tgt Ion: 91 Resp: 137771
Ion Ratio Lower Upper
91 100
106 30.0 23.9 35.9



#68
m/p-Xylenes
Concen: 38.857 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 106 Resp: 103355
Ion Ratio Lower Upper
106 100
91 204.9 164.3 246.5

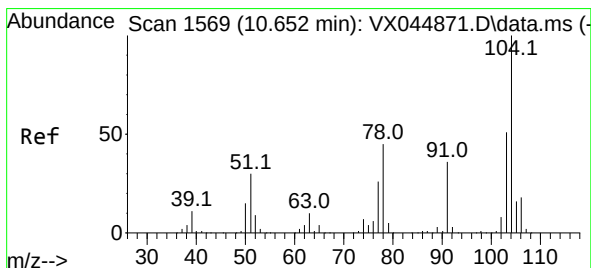
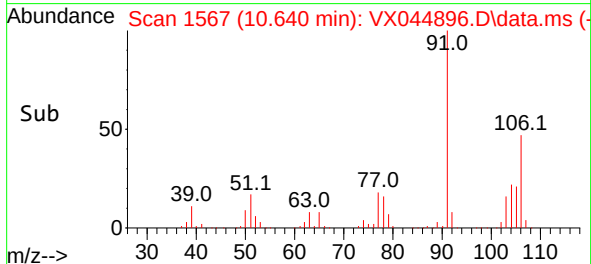
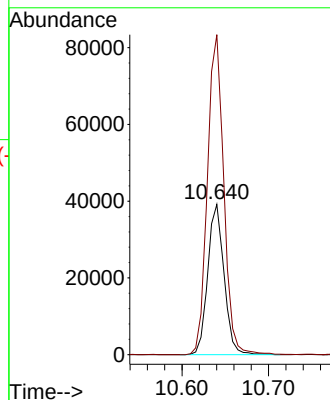
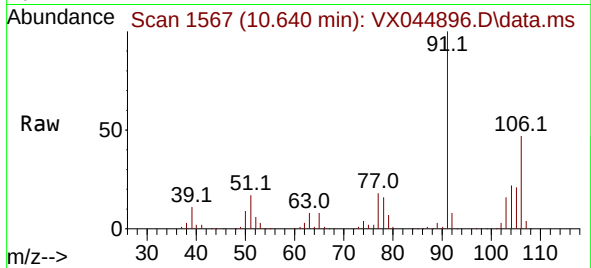




#69
o-Xylene
Concen: 19.188 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

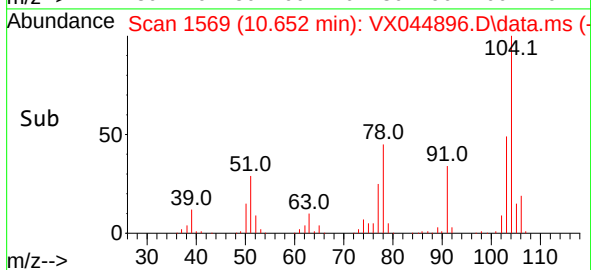
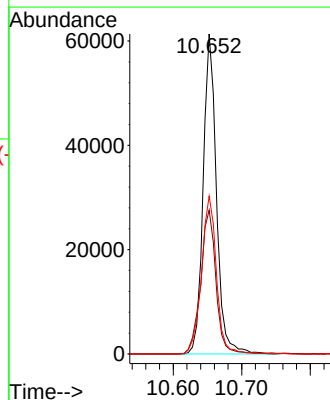
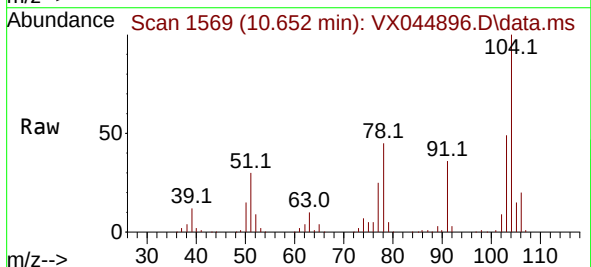
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

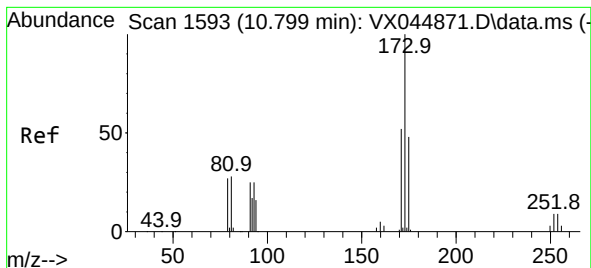
Tgt Ion:106 Resp: 51211
Ion Ratio Lower Upper
106 100
91 214.3 108.5 325.5



#70
Styrene
Concen: 19.304 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:104 Resp: 83008
Ion Ratio Lower Upper
104 100
78 51.4 40.5 60.7
103 55.6 43.6 65.4





#71

Bromoform

Concen: 19.176 ug/l

RT: 10.799 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

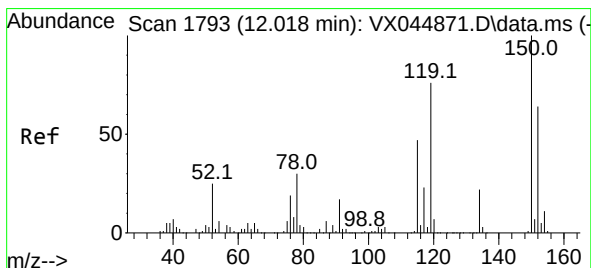
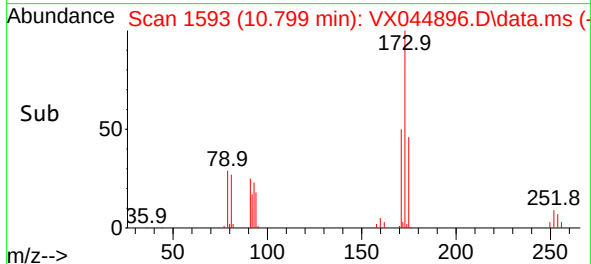
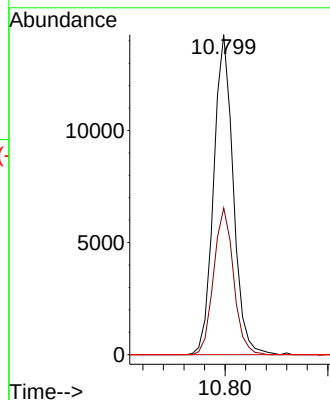
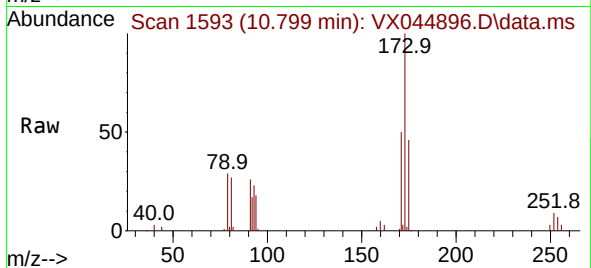
Tgt Ion:173 Resp: 18821

Ion Ratio Lower Upper

173 100

175 46.5 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: VX044896.D

Acq: 11 Feb 2025 11:23

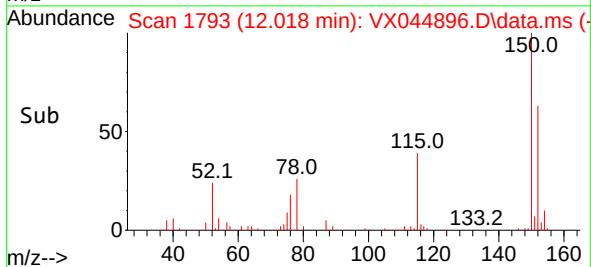
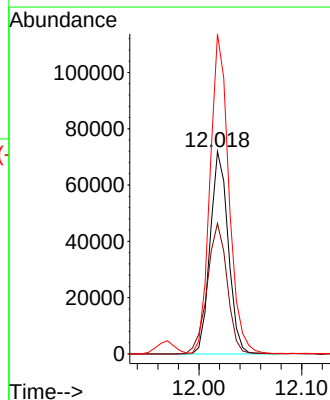
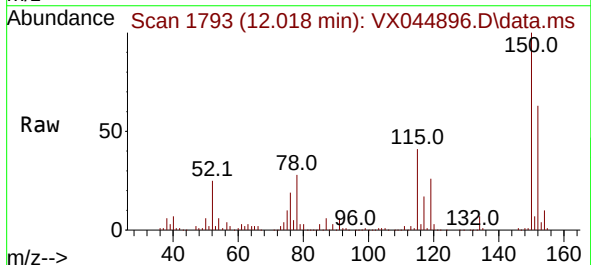
Tgt Ion:152 Resp: 87843

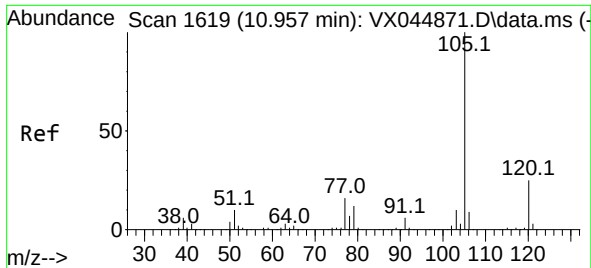
Ion Ratio Lower Upper

152 100

115 70.9 43.4 130.1

150 163.8 0.0 350.4

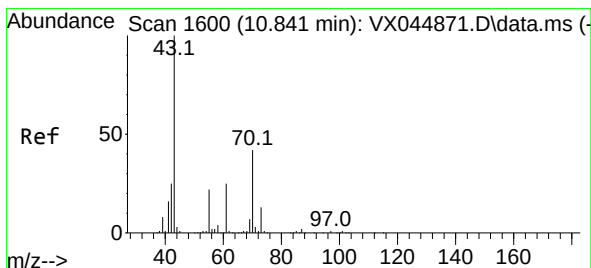
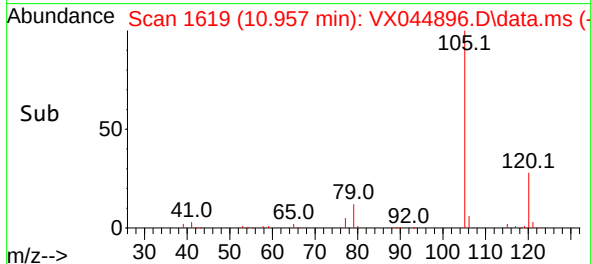
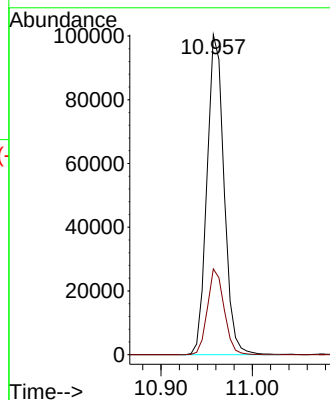
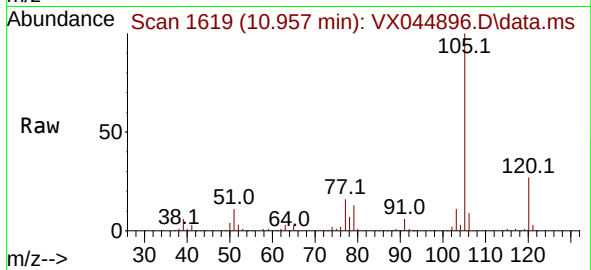




#73
Isopropylbenzene
Concen: 18.358 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

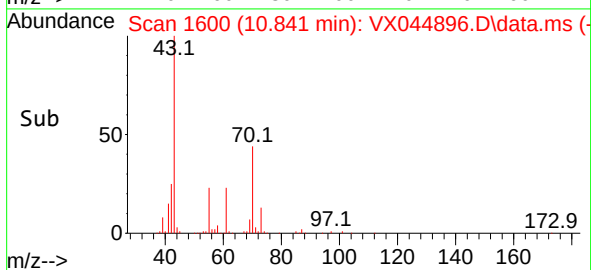
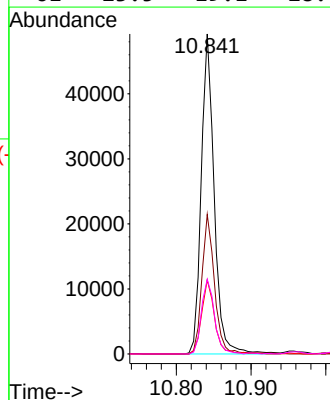
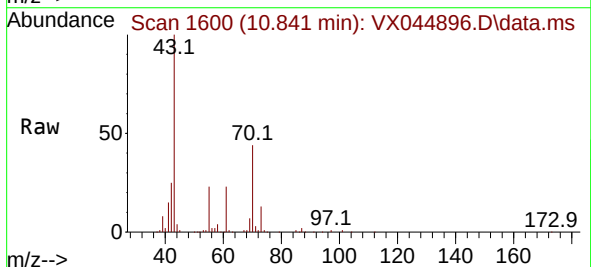
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

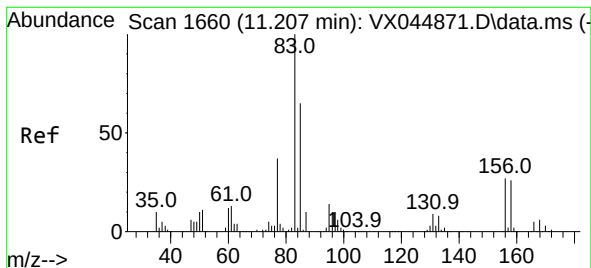
Tgt Ion:105 Resp: 129845
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.5



#74
N-ethyl acetate
Concen: 18.492 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 43 Resp: 59187
Ion Ratio Lower Upper
43 100
70 42.4 33.7 50.5
55 23.2 18.6 27.8
61 23.5 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.453 ug/l

RT: 11.207 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

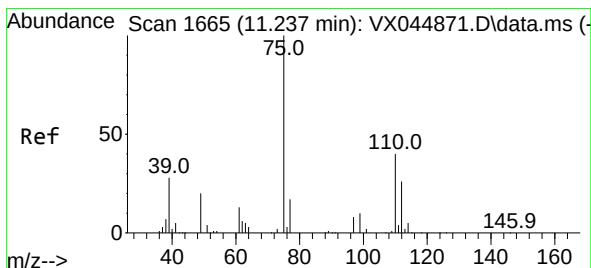
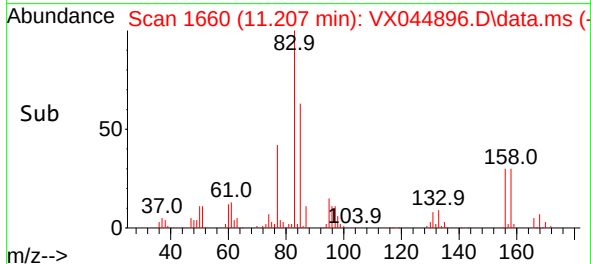
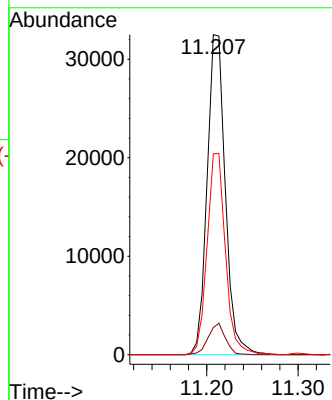
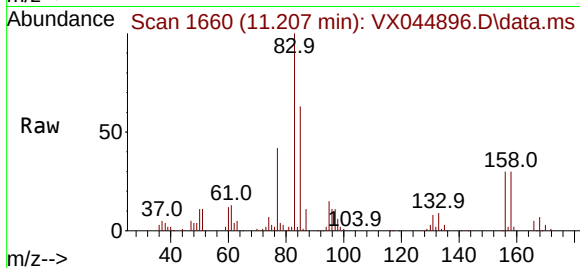
Tgt Ion: 83 Resp: 44850

Ion Ratio Lower Upper

83 100

131 9.3 4.5 13.5

85 63.4 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 22.577 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX044896.D

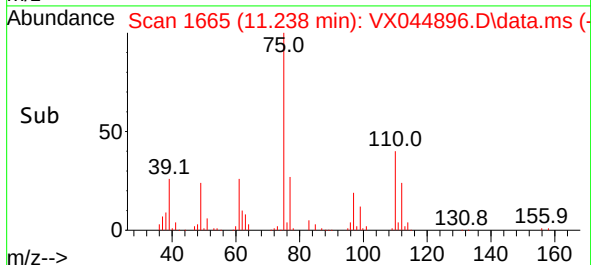
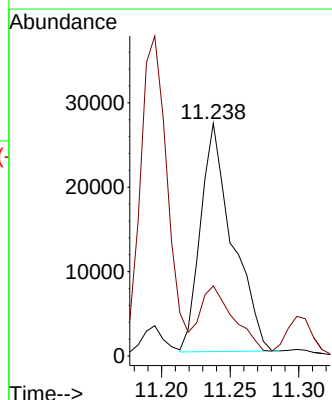
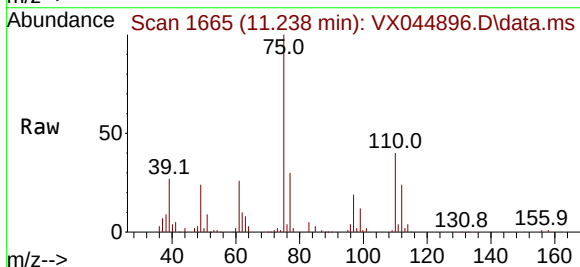
Acq: 11 Feb 2025 11:23

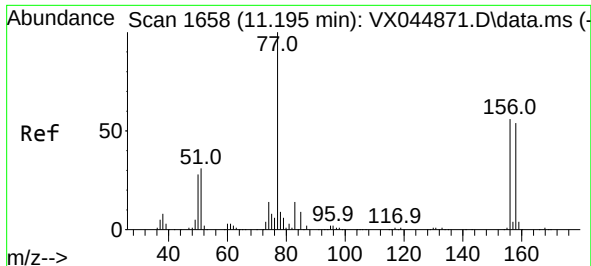
Tgt Ion: 75 Resp: 43972

Ion Ratio Lower Upper

75 100

77 33.9 21.9 65.7

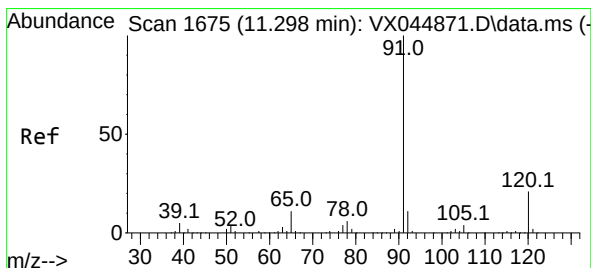
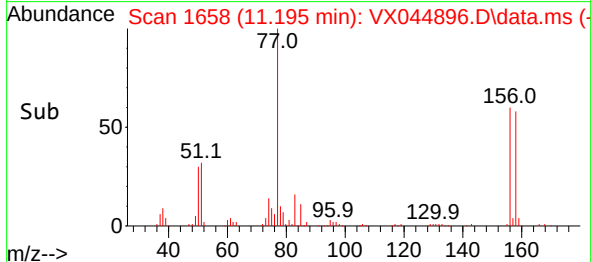
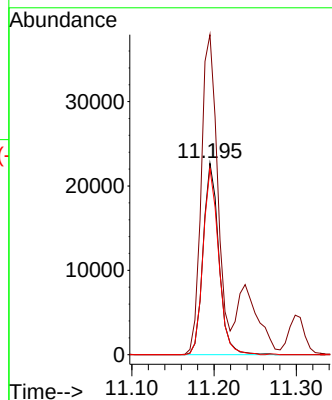
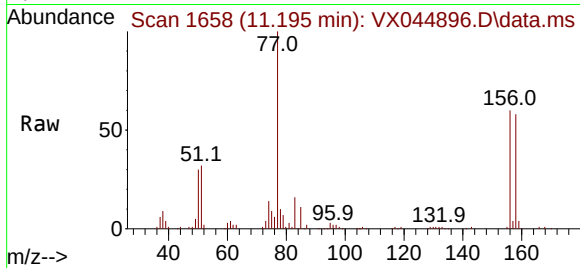




#77
Bromobenzene
Concen: 18.745 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

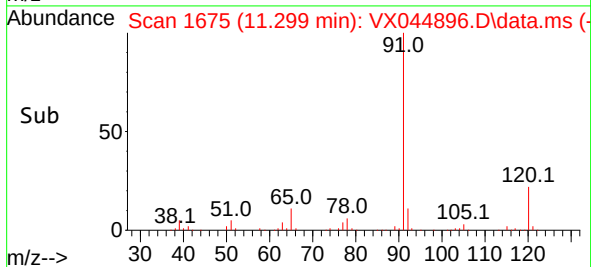
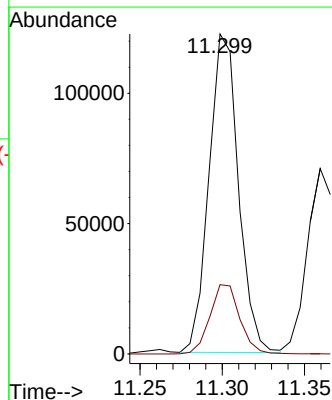
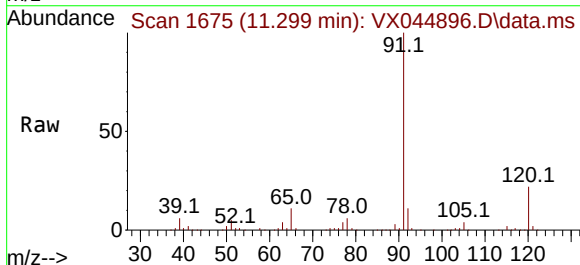
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

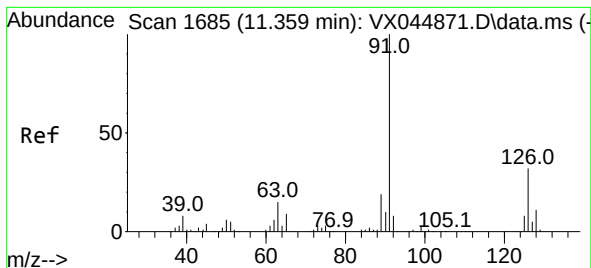
Tgt Ion:156 Resp: 30059
Ion Ratio Lower Upper
156 100
77 174.2 88.4 265.3
158 96.9 48.4 145.2



#78
n-propylbenzene
Concen: 18.663 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 91 Resp: 152366
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3





#79

2-Chlorotoluene

Concen: 18.370 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

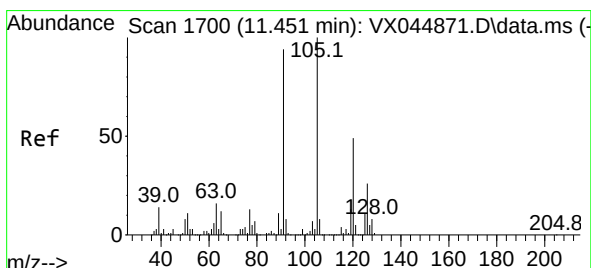
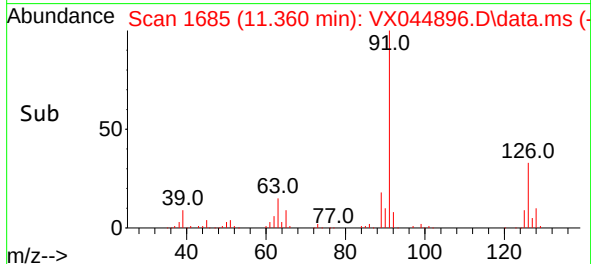
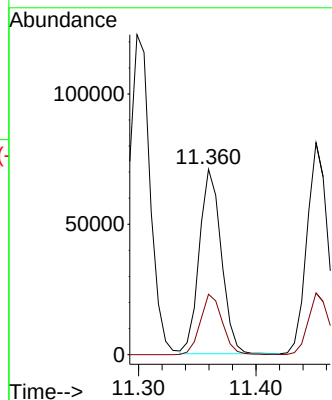
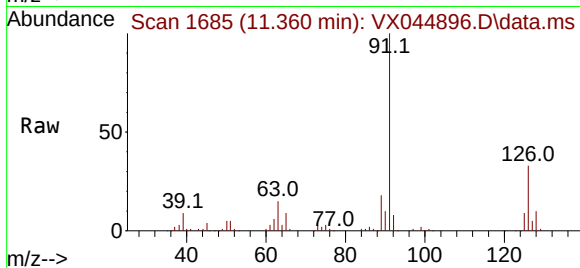
VX0211WBS01

Tgt Ion: 91 Resp: 92170

Ion Ratio Lower Upper

91 100

126 32.8 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 18.734 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044896.D

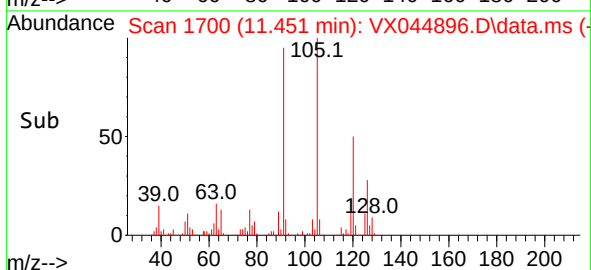
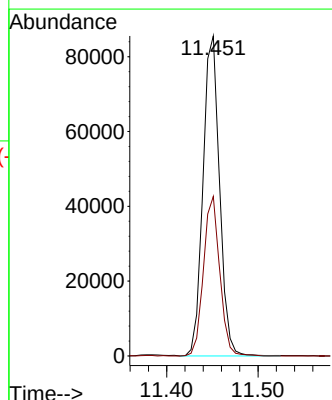
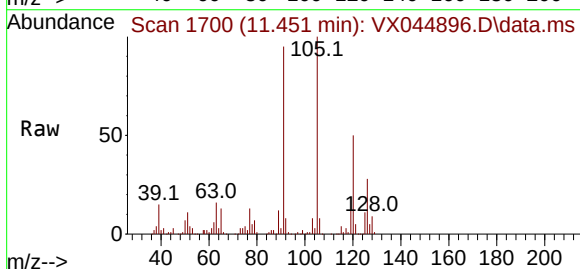
Acq: 11 Feb 2025 11:23

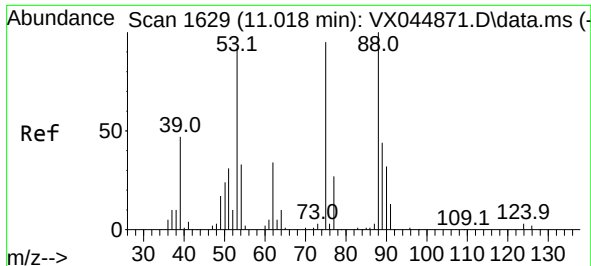
Tgt Ion: 105 Resp: 107531

Ion Ratio Lower Upper

105 100

120 48.9 24.0 72.0

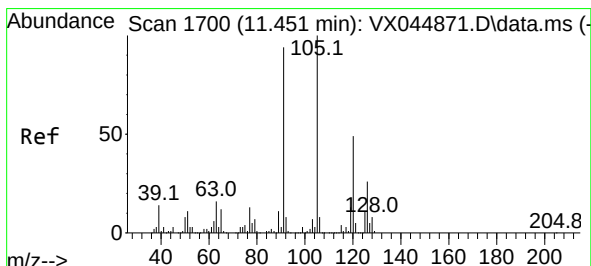
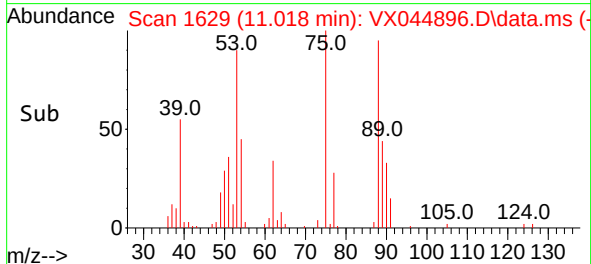
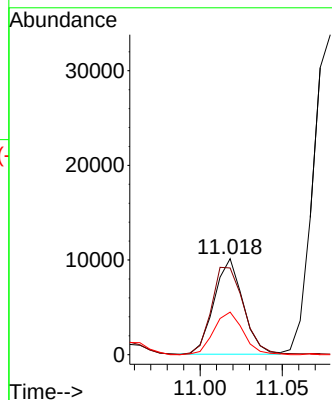
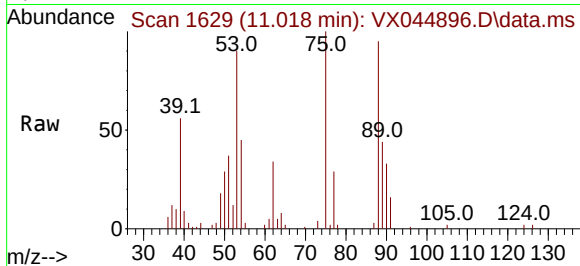




#81
trans-1,4-Dichloro-2-butene
Concen: 16.324 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

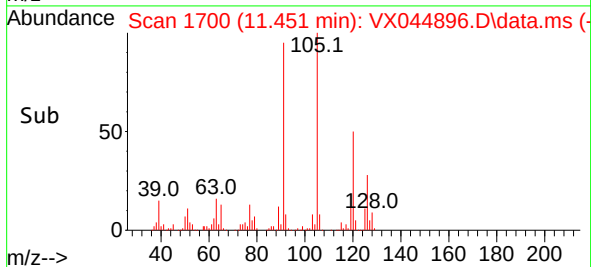
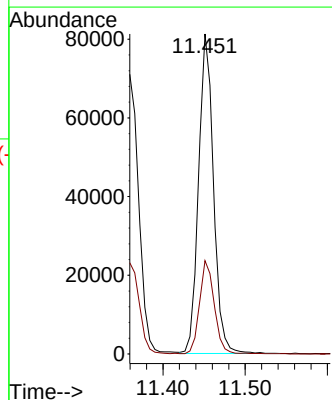
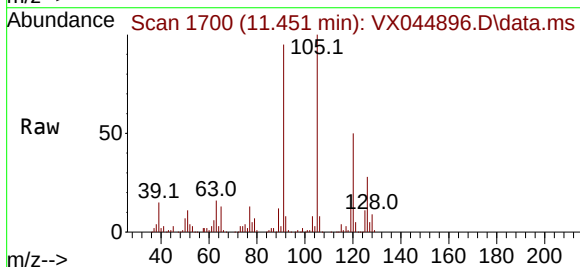
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

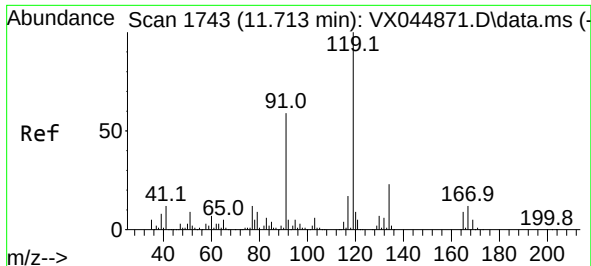
Tgt Ion: 75 Resp: 12359
Ion Ratio Lower Upper
75 100
53 103.8 78.0 117.0
89 45.4 36.6 54.8



#82
4-Chlorotoluene
Concen: 18.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 91 Resp: 102495
Ion Ratio Lower Upper
91 100
126 28.6 14.2 42.6

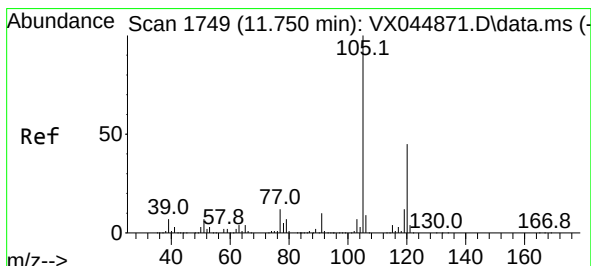
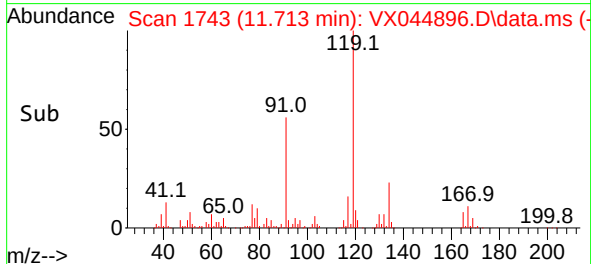
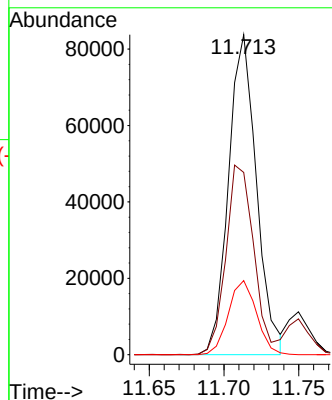
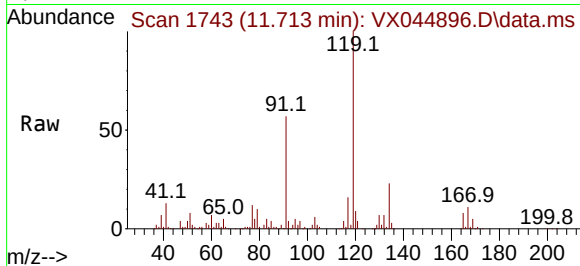




#83
tert-Butylbenzene
Concen: 18.771 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

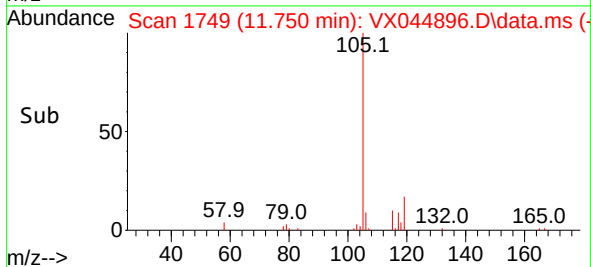
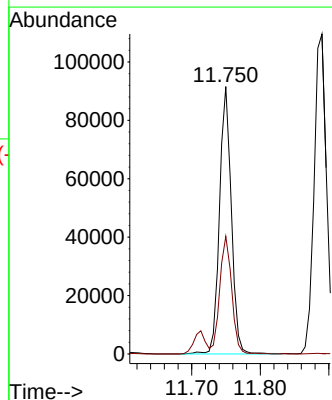
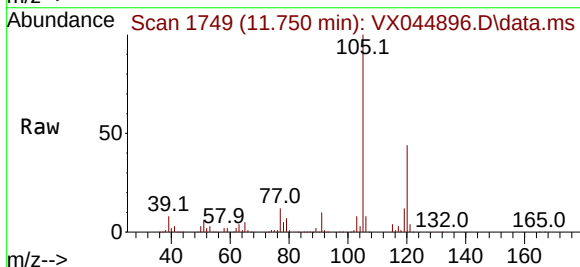
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

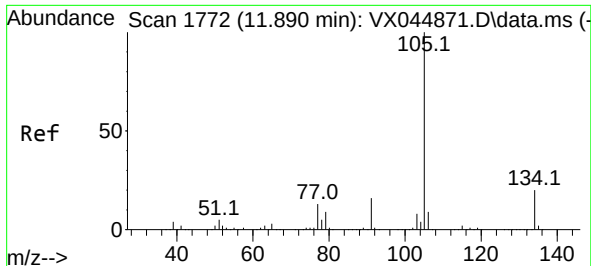
Tgt Ion:119 Resp: 108994
Ion Ratio Lower Upper
119 100
91 58.7 29.1 87.4
134 23.3 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 19.237 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:105 Resp: 108980
Ion Ratio Lower Upper
105 100
120 44.6 22.4 67.0

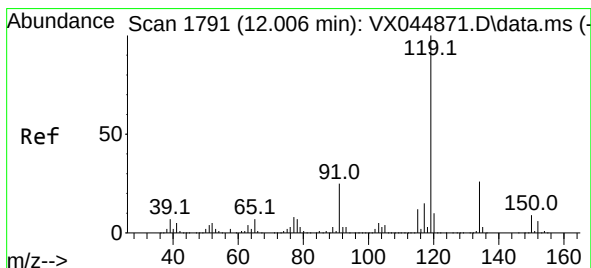
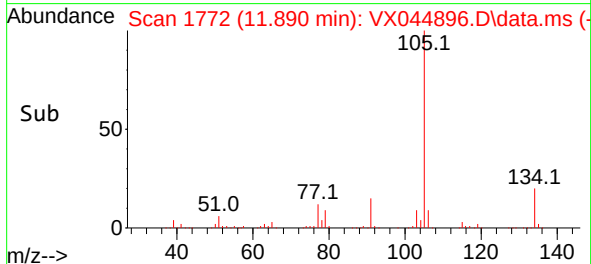
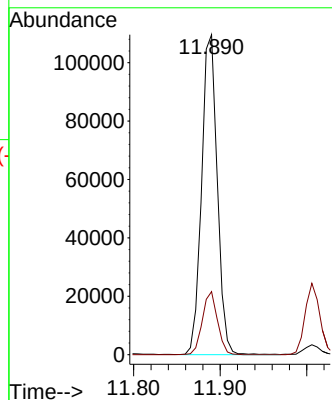
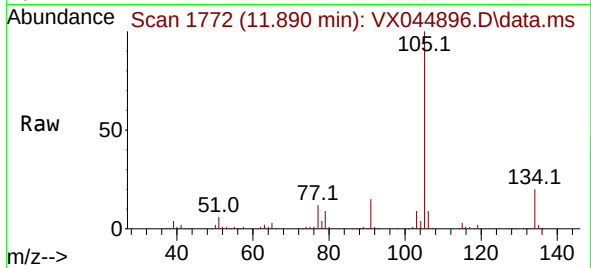




#85
sec-Butylbenzene
Concen: 19.157 ug/l
RT: 11.890 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

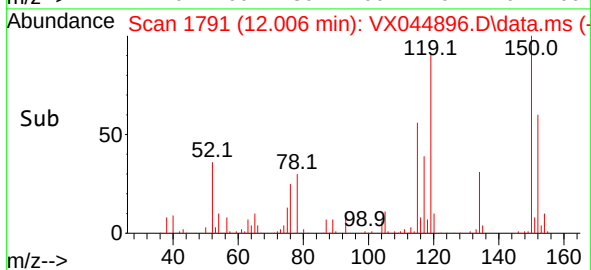
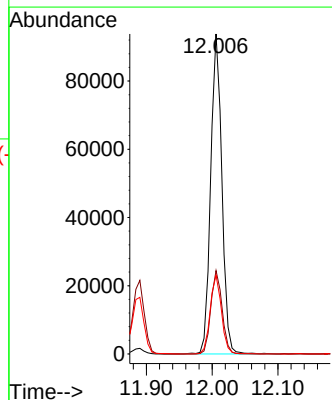
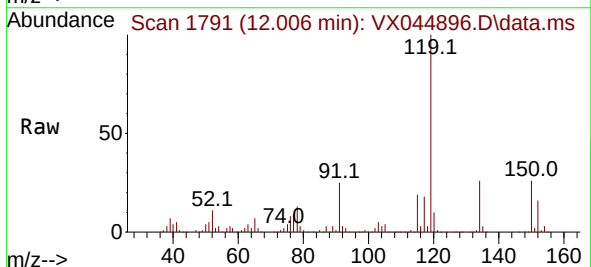
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

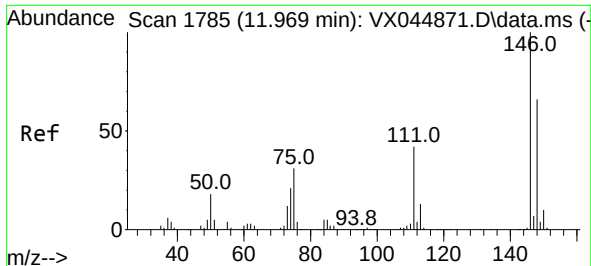
Tgt Ion:105 Resp: 137742
Ion Ratio Lower Upper
105 100
134 19.0 9.8 29.3



#86
p-Isopropyltoluene
Concen: 19.191 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:119 Resp: 110966
Ion Ratio Lower Upper
119 100
134 26.2 13.0 38.9
91 24.8 12.1 36.3

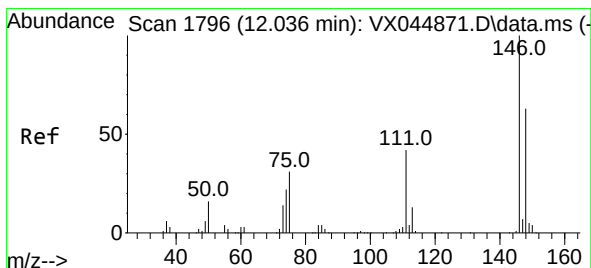
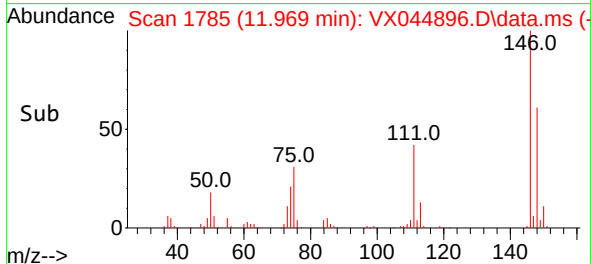
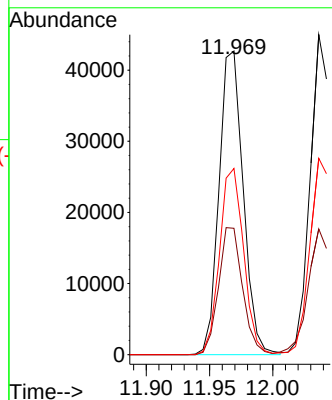
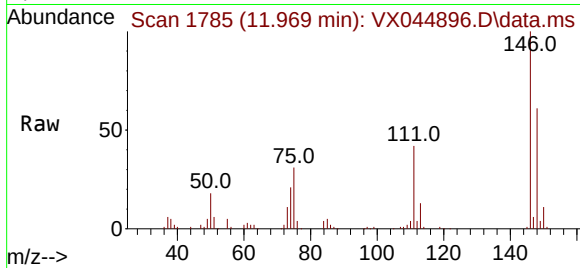




#87
1,3-Dichlorobenzene
Concen: 19.196 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

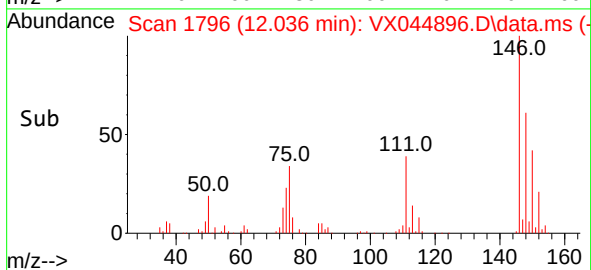
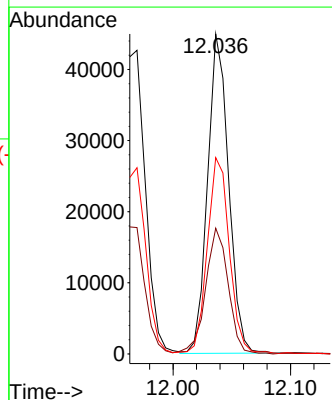
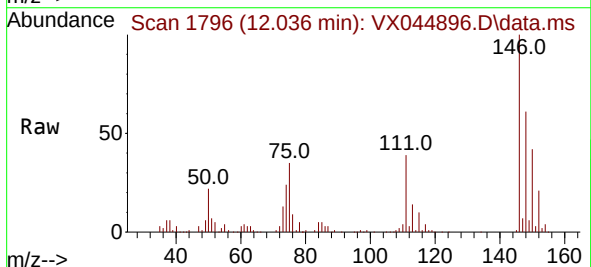
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

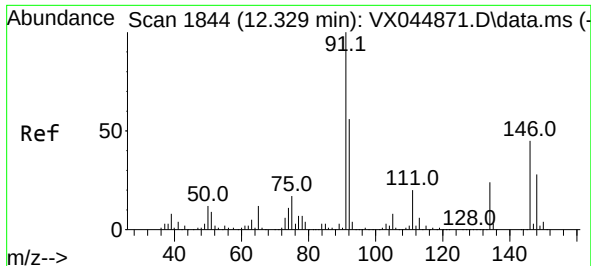
Tgt Ion:146 Resp: 56608
Ion Ratio Lower Upper
146 100
111 41.6 21.2 63.6
148 61.1 32.5 97.5



#88
1,4-Dichlorobenzene
Concen: 18.663 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:146 Resp: 55645
Ion Ratio Lower Upper
146 100
111 42.5 20.4 61.3
148 64.4 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: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

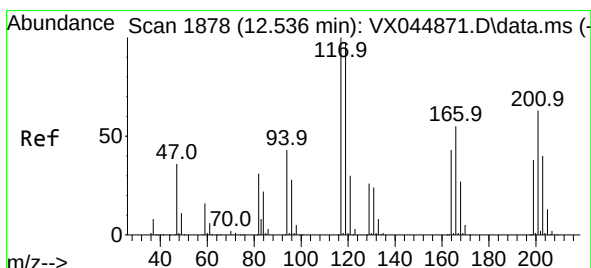
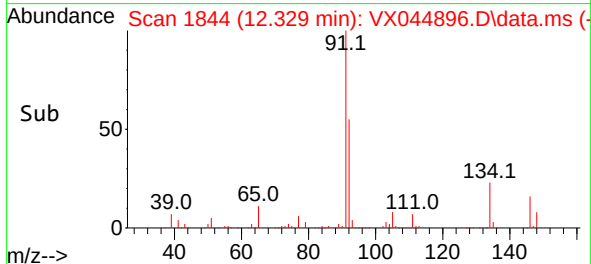
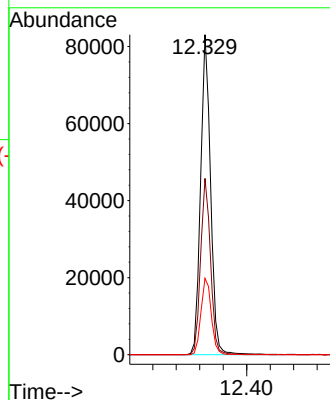
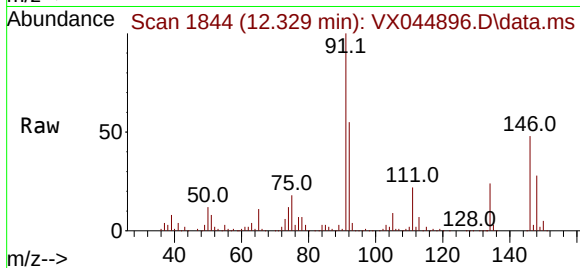
Tgt Ion: 91 Resp: 98048

Ion Ratio Lower Upper

91 100

92 54.8 27.2 81.6

134 24.8 12.1 36.3



#90

Hexachloroethane

Concen: 17.833 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044896.D

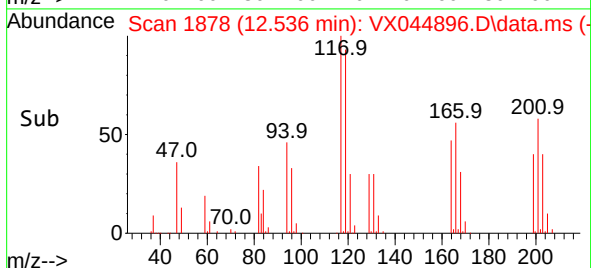
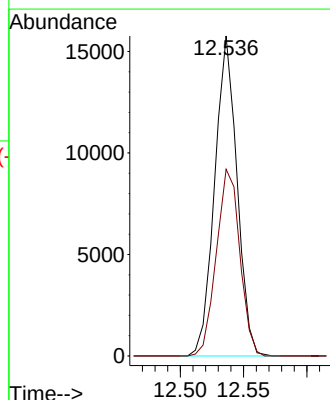
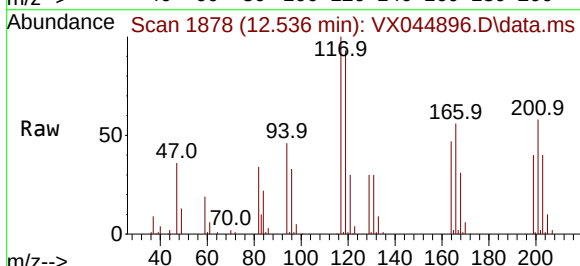
Acq: 11 Feb 2025 11:23

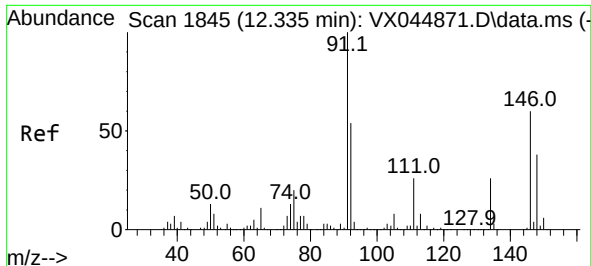
Tgt Ion: 117 Resp: 19308

Ion Ratio Lower Upper

117 100

201 61.4 32.5 97.5

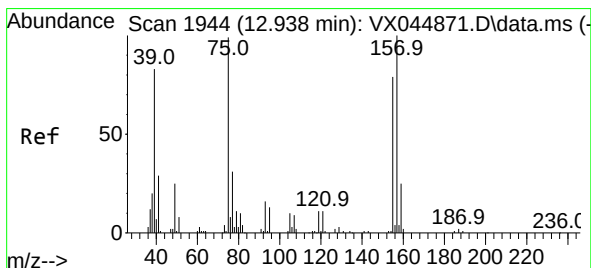
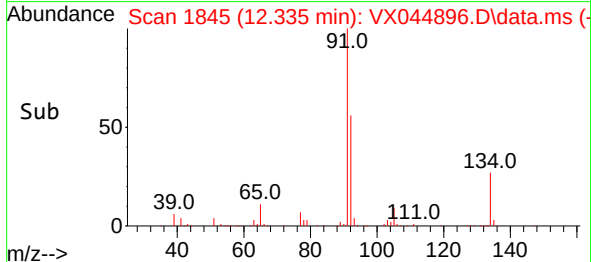
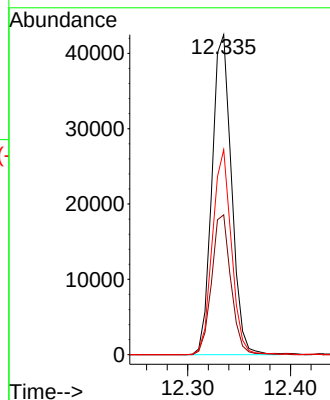
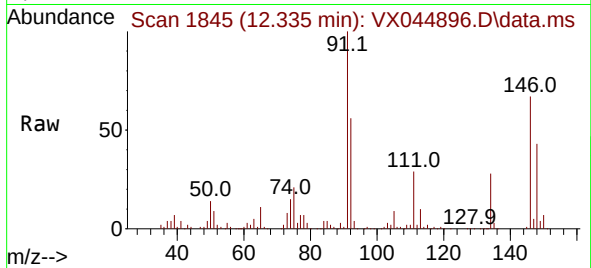




#91
1,2-Dichlorobenzene
Concen: 19.369 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

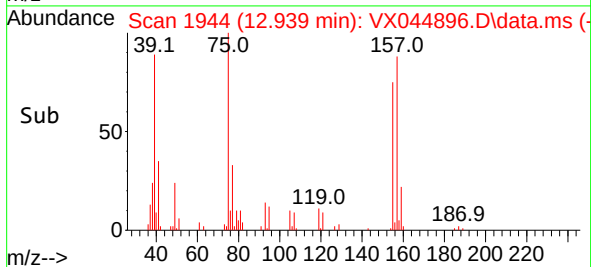
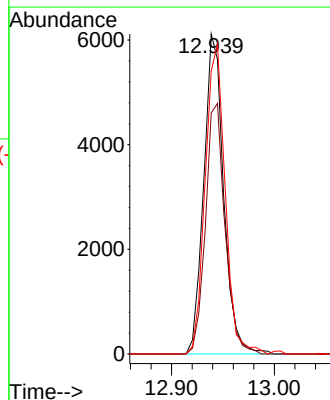
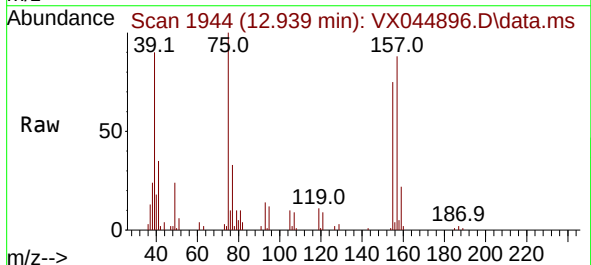
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

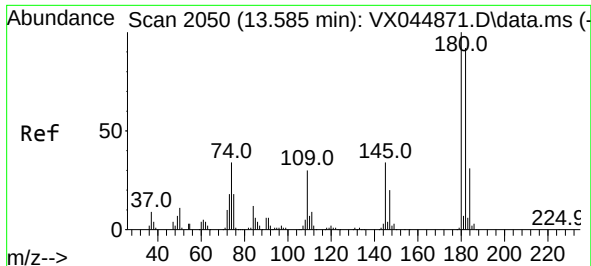
Tgt Ion:146 Resp: 56136
Ion Ratio Lower Upper
146 100
111 43.2 21.8 65.4
148 62.3 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.540 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion: 75 Resp: 8224
Ion Ratio Lower Upper
75 100
155 77.1 40.5 121.4
157 97.0 51.4 154.3

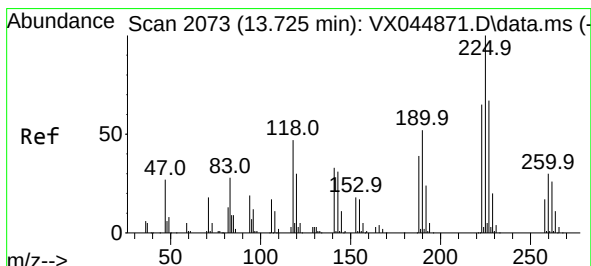
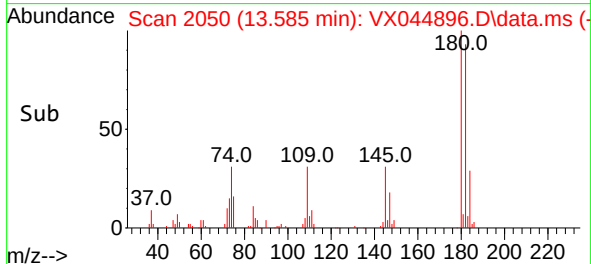
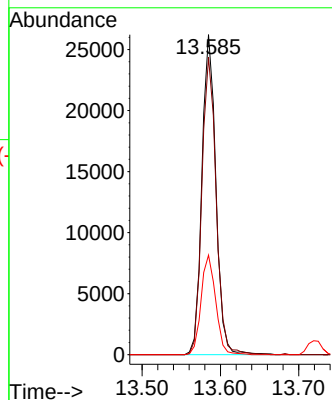
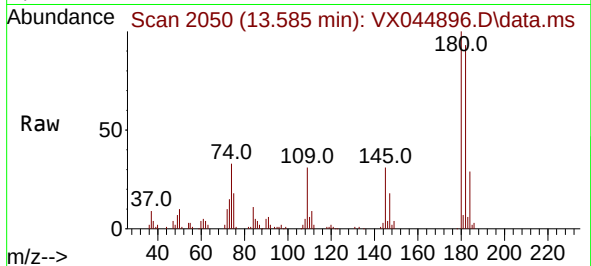




#93
1,2,4-Trichlorobenzene
Concen: 18.475 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

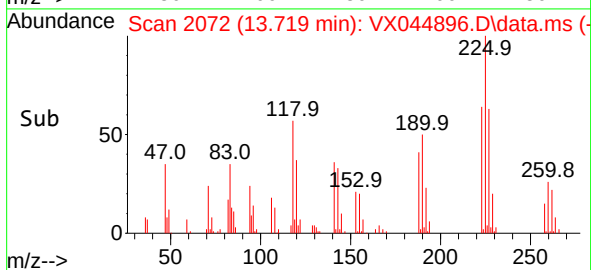
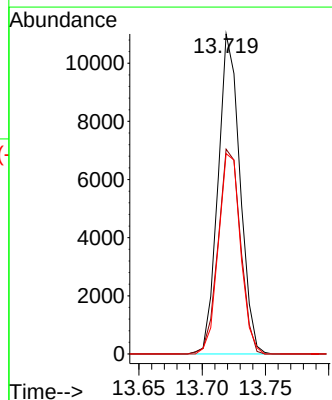
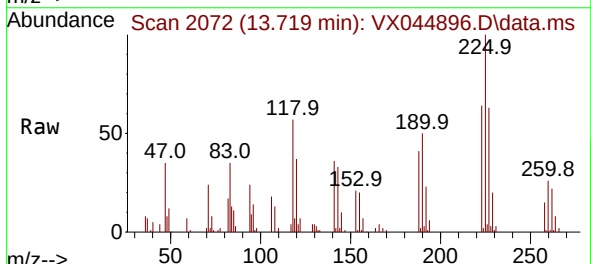
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBS01

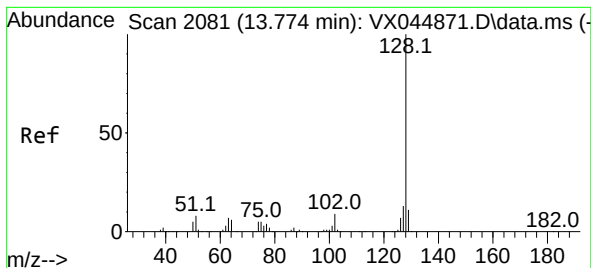
Tgt Ion:180 Resp: 32400
Ion Ratio Lower Upper
180 100
182 94.9 47.6 142.8
145 32.5 16.4 49.1



#94
Hexachlorobutadiene
Concen: 19.011 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044896.D
Acq: 11 Feb 2025 11:23

Tgt Ion:225 Resp: 13235
Ion Ratio Lower Upper
225 100
223 65.3 31.4 94.2
227 63.0 32.3 96.8





#95

Naphthalene

Concen: 18.432 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBS01

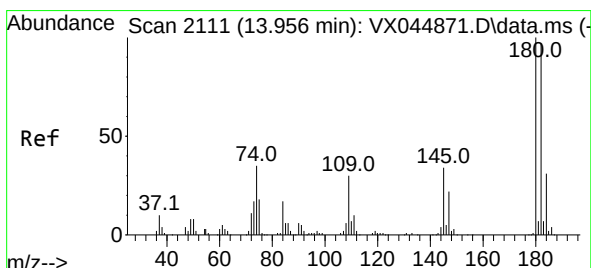
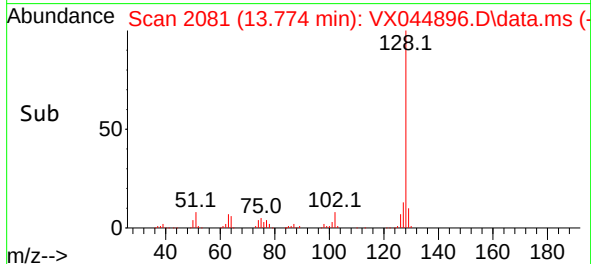
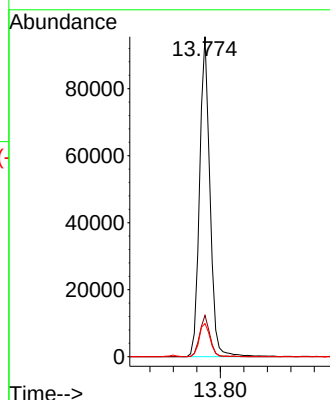
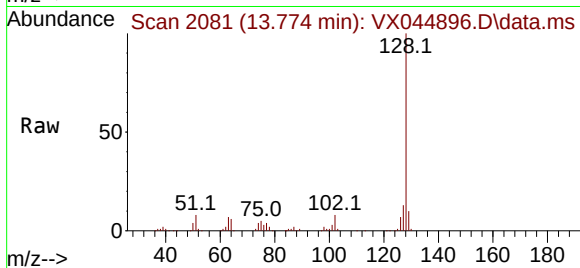
Tgt Ion:128 Resp: 116851

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

129 11.0 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 18.792 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044896.D

Acq: 11 Feb 2025 11:23

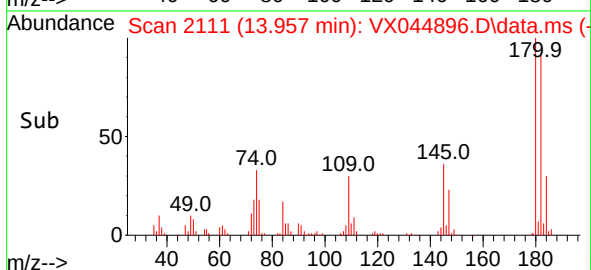
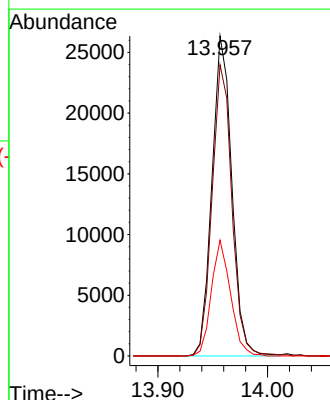
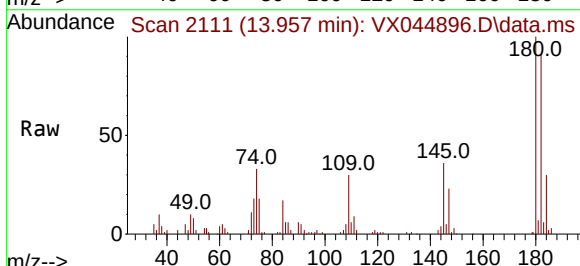
Tgt Ion:180 Resp: 33208

Ion Ratio Lower Upper

180 100

182 91.0 47.9 143.6

145 34.9 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044897.D
 Acq On : 11 Feb 2025 11:48
 Operator : JC/MD
 Sample : VX0211WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBSD01

Quant Time: Feb 12 02:38:59 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	5.538	168	116406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	211404	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	186335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	83644	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84156	49.388	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.780%
35) Dibromofluoromethane	5.379	113	67081	48.805	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.600%
50) Toluene-d8	8.641	98	254774	49.019	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.040%
62) 4-Bromofluorobenzene	11.079	95	86989	49.646	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.300%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	31601	19.356	ug/l	98
3) Chloromethane	1.301	50	37119	18.680	ug/l	97
4) Vinyl Chloride	1.374	62	36957	19.198	ug/l	96
5) Bromomethane	1.593	94	11587	20.114	ug/l	99
6) Chloroethane	1.666	64	15397	18.945	ug/l	97
7) Trichlorofluoromethane	1.874	101	47412	19.475	ug/l	99
8) Diethyl Ether	2.130	74	18158	20.567	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	29801	20.261	ug/l	99
10) Methyl Iodide	2.441	142	38410	20.149	ug/l	99
11) Tert butyl alcohol	2.983	59	32829	103.851	ug/l	98
12) 1,1-Dichloroethene	2.313	96	29002	19.330	ug/l	98
13) Acrolein	2.233	56	31603	96.897	ug/l	98
14) Allyl chloride	2.654	41	51780	19.096	ug/l	96
15) Acrylonitrile	3.062	53	86862	102.915	ug/l	99
16) Acetone	2.380	43	68752	100.366	ug/l	98
17) Carbon Disulfide	2.502	76	76655	18.631	ug/l	97
18) Methyl Acetate	2.703	43	44373	20.527	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	96651	20.246	ug/l	99
20) Methylene Chloride	2.782	84	32877	19.594	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	29055	19.676	ug/l	93
22) Diisopropyl ether	3.757	45	105816	20.627	ug/l	93
23) Vinyl Acetate	3.715	43	433511	103.656	ug/l	97
24) 1,1-Dichloroethane	3.599	63	56359	19.635	ug/l	97
25) 2-Butanone	4.556	43	115645	103.966	ug/l	97
26) 2,2-Dichloropropane	4.465	77	44593	19.590	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	35548	20.041	ug/l	98
28) Bromochloromethane	4.891	49	25541	18.515	ug/l	98
29) Tetrahydrofuran	5.001	42	75125	101.711	ug/l	98
30) Chloroform	5.086	83	54727	19.660	ug/l	97
31) Cyclohexane	5.458	56	52843	19.969	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	46336	19.624	ug/l	98
36) 1,1-Dichloropropene	5.690	75	38126	19.226	ug/l	100
37) Ethyl Acetate	4.708	43	42191	19.128	ug/l	98
38) Carbon Tetrachloride	5.666	117	38835	19.985	ug/l	96
39) Methylcyclohexane	7.373	83	53434	20.842	ug/l	97
40) Benzene	6.031	78	125170	20.215	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044897.D
 Acq On : 11 Feb 2025 11:48
 Operator : JC/MD
 Sample : VX0211WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBSD01

Quant Time: Feb 12 02:38:59 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	24902	21.092	ug/l	98
42) 1,2-Dichloroethane	6.080	62	41830	21.196	ug/l	99
43) Isopropyl Acetate	6.336	43	73633	20.673	ug/l	99
44) Trichloroethene	7.117	130	27907	19.717	ug/l	96
45) 1,2-Dichloropropane	7.428	63	31362	20.358	ug/l	97
46) Dibromomethane	7.580	93	21730	20.340	ug/l	97
47) Bromodichloromethane	7.818	83	42998	20.786	ug/l	98
48) Methyl methacrylate	7.690	41	34888	20.774	ug/l	98
49) 1,4-Dioxane	7.665	88	14679	407.387	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	233883	108.010	ug/l	97
52) Toluene	8.714	92	76922	20.859	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	41931	20.031	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	47877	20.513	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	30181	21.290	ug/l	95
56) Ethyl methacrylate	9.116	69	47561	20.773	ug/l	99
57) 1,3-Dichloropropane	9.305	76	51672	20.832	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	108500	96.512	ug/l	99
59) 2-Hexanone	9.427	43	168110	107.751	ug/l	99
60) Dibromochloromethane	9.519	129	31801	20.976	ug/l	99
61) 1,2-Dibromoethane	9.604	107	30172	20.999	ug/l	98
64) Tetrachloroethene	9.269	164	23477	19.978	ug/l	97
65) Chlorobenzene	10.073	112	81300	20.314	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	25959	20.152	ug/l	97
67) Ethyl Benzene	10.189	91	144888	20.515	ug/l	100
68) m/p-Xylenes	10.299	106	108740	41.738	ug/l	99
69) o-Xylene	10.640	106	53496	20.464	ug/l	98
70) Styrene	10.653	104	88009	20.896	ug/l	99
71) Bromoform	10.799	173	19571	20.357	ug/l #	100
73) Isopropylbenzene	10.957	105	137984	20.488	ug/l	99
74) N-amyl acetate	10.842	43	63313	20.774	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	47168	20.381	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	48520	26.163	ug/l	84
77) Bromobenzene	11.195	156	31462	20.605	ug/l	96
78) n-propylbenzene	11.299	91	157806	20.300	ug/l	99
79) 2-Chlorotoluene	11.360	91	96410	20.179	ug/l	98
80) 1,3,5-Trimethylbenzene	11.445	105	113664	20.797	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	13230	18.351	ug/l	94
82) 4-Chlorotoluene	11.451	91	107461	20.331	ug/l	100
83) tert-Butylbenzene	11.713	119	113453	20.520	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	113257	20.996	ug/l	99
85) sec-Butylbenzene	11.884	105	141678	20.693	ug/l	100
86) p-Isopropyltoluene	12.006	119	115883	21.047	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	56403	20.087	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	56774	19.998	ug/l	99
89) n-Butylbenzene	12.329	91	101189	20.774	ug/l	99
90) Hexachloroethane	12.536	117	20215	19.608	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	57355	20.783	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8432	19.963	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	33252	19.913	ug/l	98
94) Hexachlorobutadiene	13.719	225	13375	20.176	ug/l	99
95) Naphthalene	13.774	128	122681	20.324	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	33862	20.124	ug/l	99

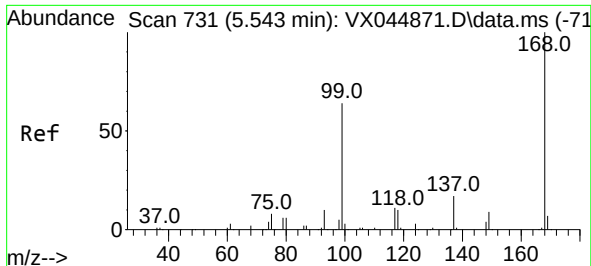
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044897.D
Acq On : 11 Feb 2025 11:48
Operator : JC/MD
Sample : VX0211WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Quant Time: Feb 12 02:38:59 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)

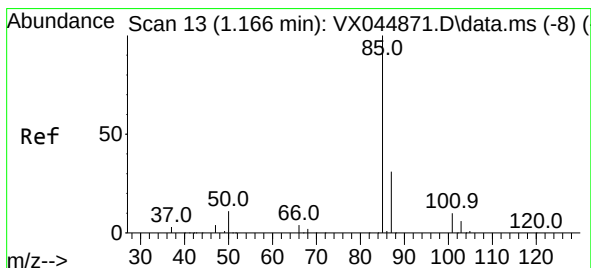
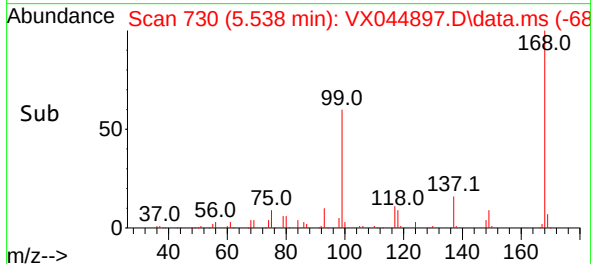
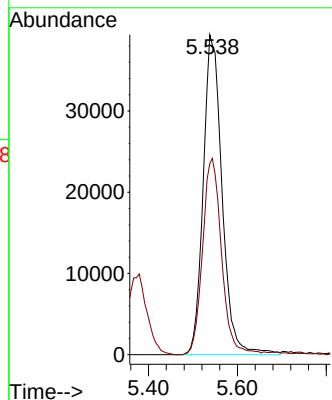
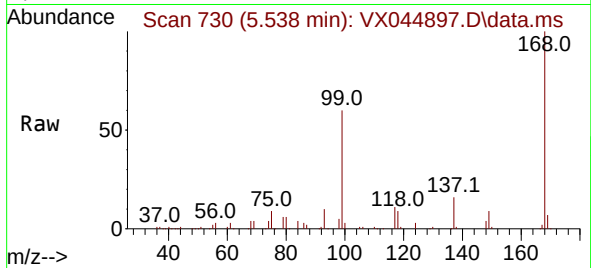
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.005 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

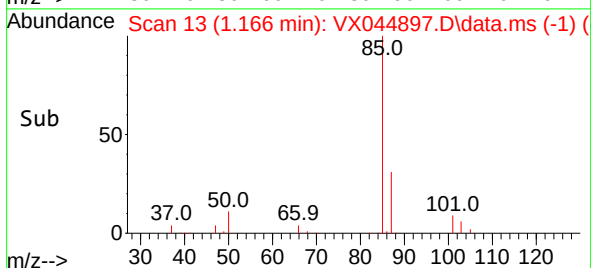
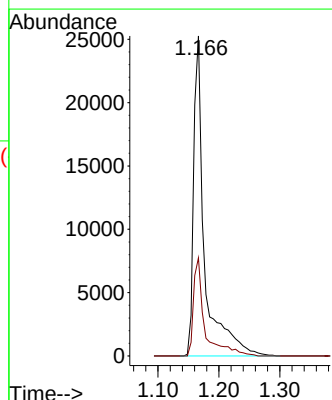
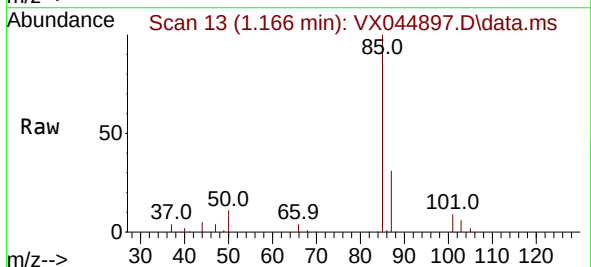
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

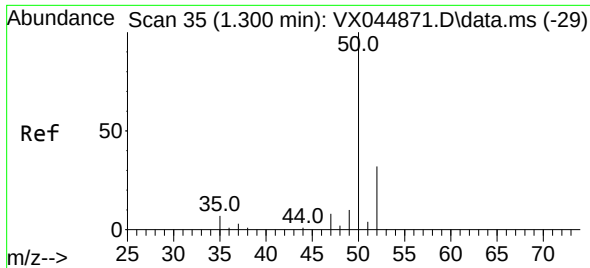
Tgt Ion:168 Resp: 116406
Ion Ratio Lower Upper
168 100
99 59.7 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 19.356 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 85 Resp: 31601
Ion Ratio Lower Upper
85 100
87 30.6 15.8 47.3

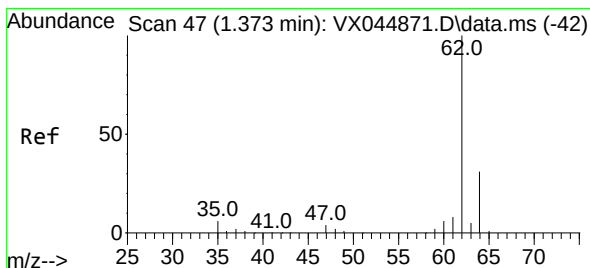
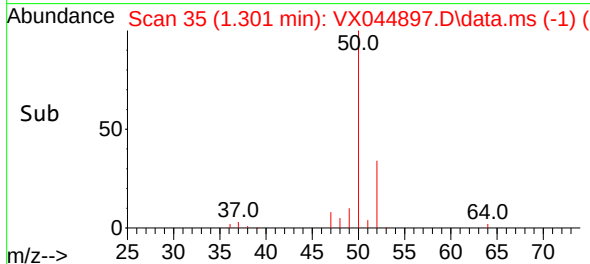
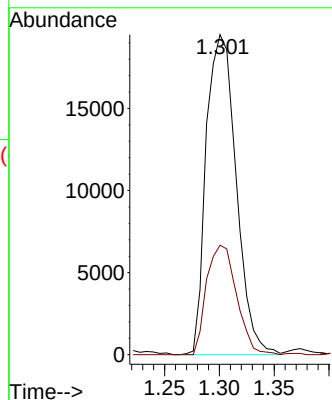
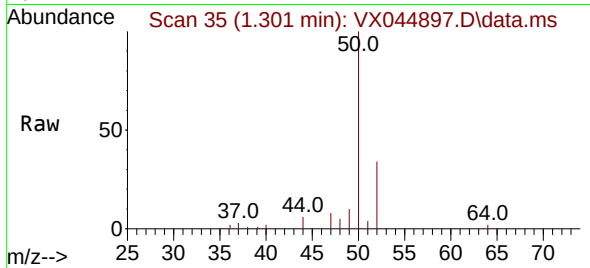




#3
Chloromethane
Concen: 18.680 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

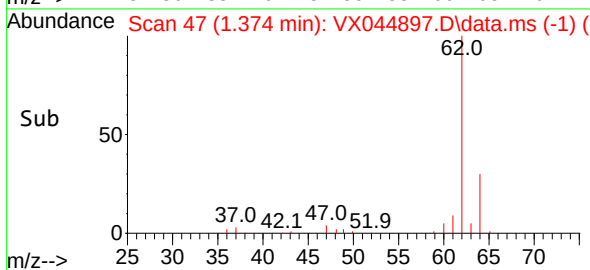
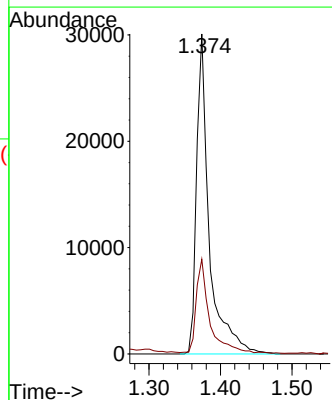
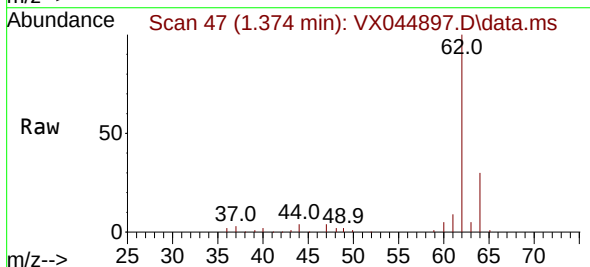
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

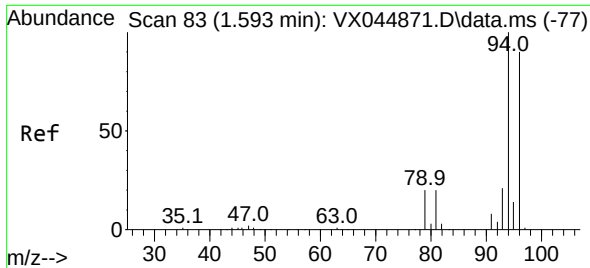
Tgt Ion: 50 Resp: 37119
Ion Ratio Lower Upper
50 100
52 34.2 25.9 38.9



#4
Vinyl Chloride
Concen: 19.198 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 62 Resp: 36957
Ion Ratio Lower Upper
62 100
64 29.4 25.4 38.0

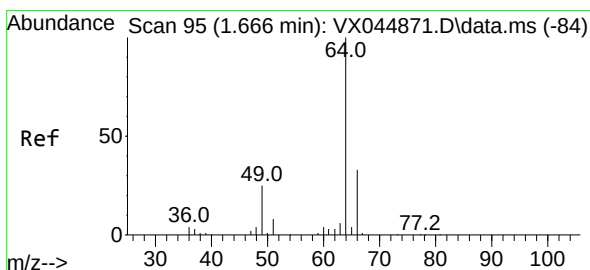
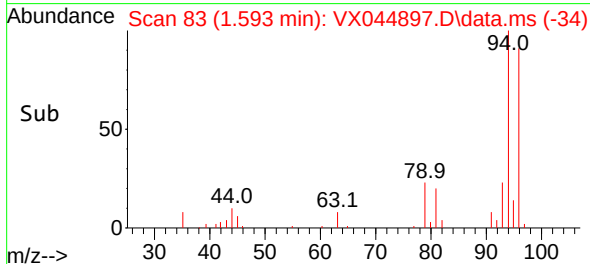
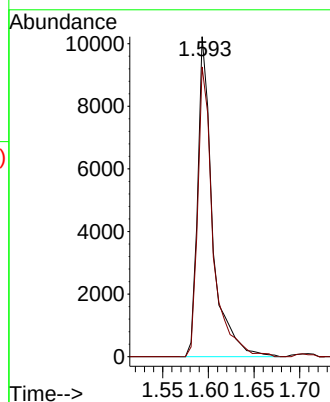
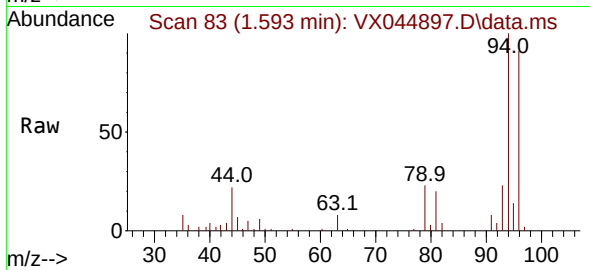




#5
 Bromomethane
 Concen: 20.114 ug/l
 RT: 1.593 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VX044897.D
 Acq: 11 Feb 2025 11:48

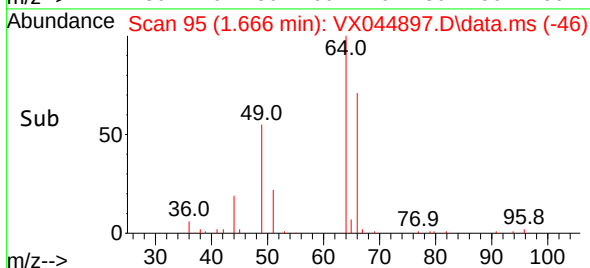
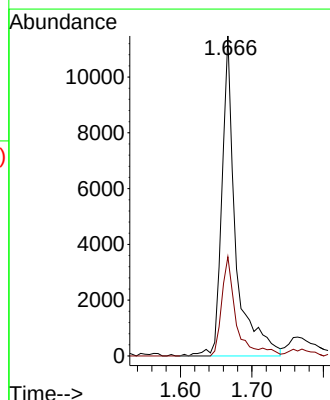
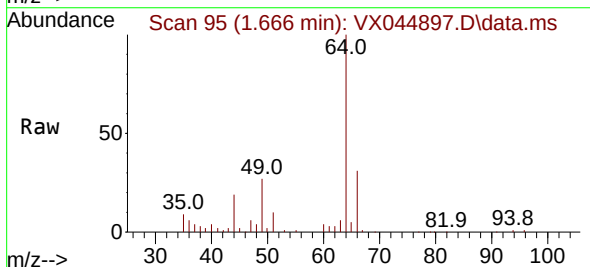
Instrument :
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 ClientSampleId :
 VX0211WBSD01

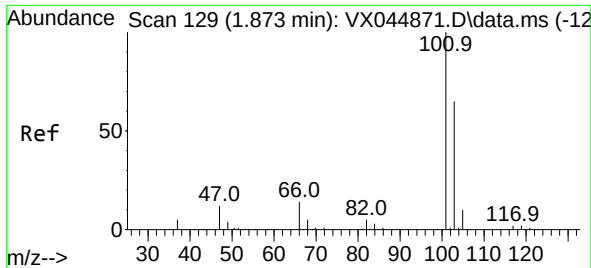
Tgt Ion: 94 Resp: 11587
 Ion Ratio Lower Upper
 94 100
 96 90.6 71.6 107.4



#6
 Chloroethane
 Concen: 18.945 ug/l
 RT: 1.666 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: VX044897.D
 Acq: 11 Feb 2025 11:48

Tgt Ion: 64 Resp: 15397
 Ion Ratio Lower Upper
 64 100
 66 31.0 25.9 38.9

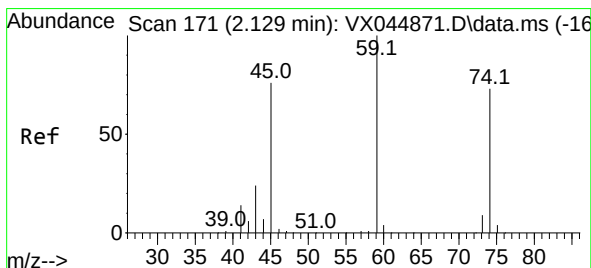
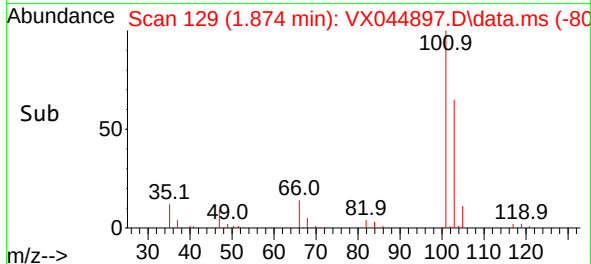
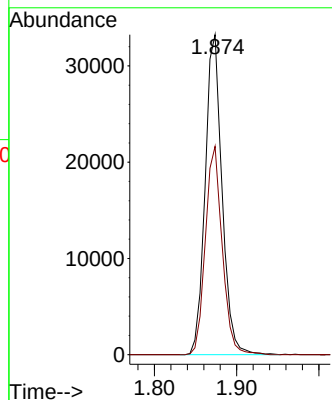
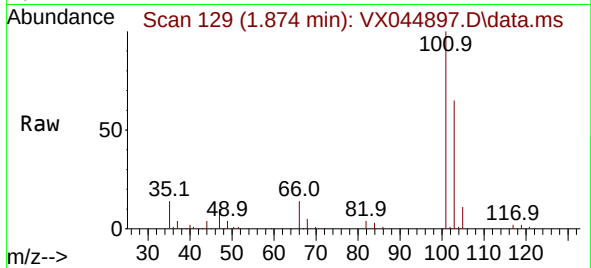




#7
 Trichlorofluoromethane
 Concen: 19.475 ug/l
 RT: 1.874 min Scan# 11
 Delta R.T. 0.001 min
 Lab File: VX044897.D
 Acq: 11 Feb 2025 11:48

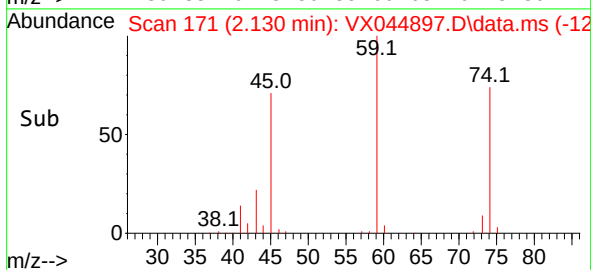
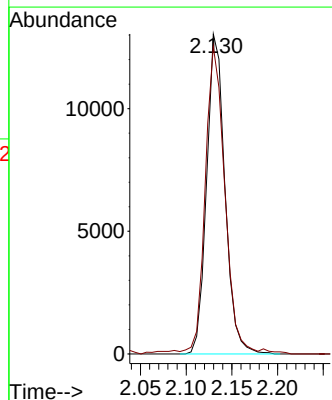
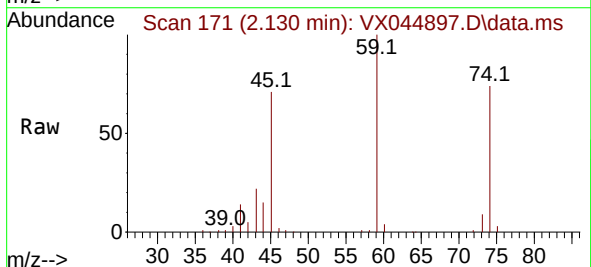
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBSD01

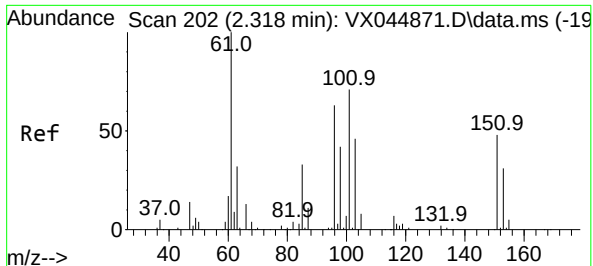
Tgt Ion:101 Resp: 47412
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.4 78.6



#8
 Diethyl Ether
 Concen: 20.567 ug/l
 RT: 2.130 min Scan# 171
 Delta R.T. 0.001 min
 Lab File: VX044897.D
 Acq: 11 Feb 2025 11:48

Tgt Ion: 74 Resp: 18158
 Ion Ratio Lower Upper
 74 100
 45 104.6 51.1 153.4

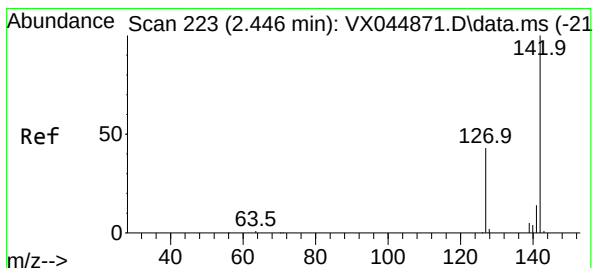
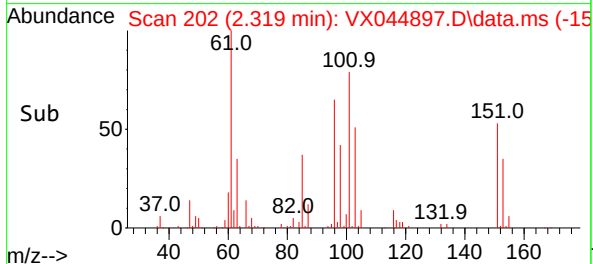
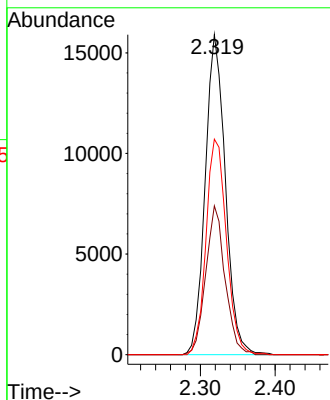
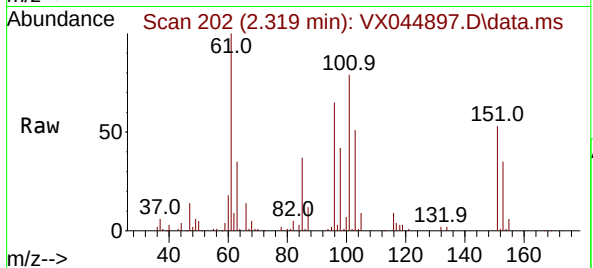




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.261 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

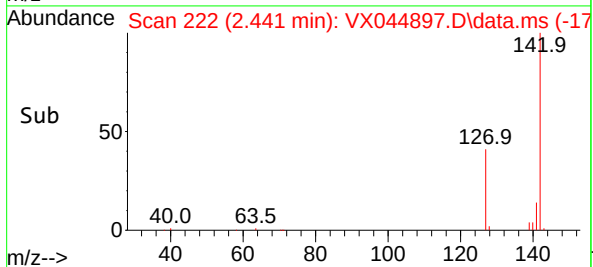
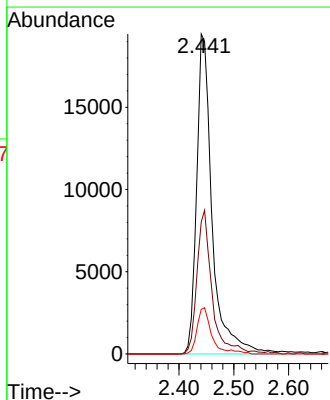
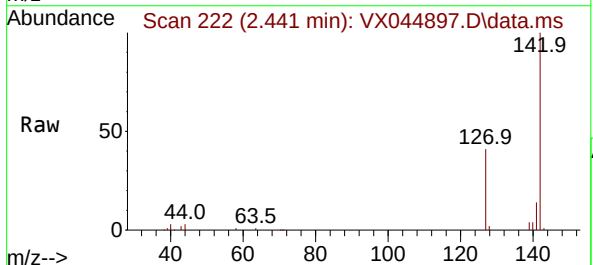
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

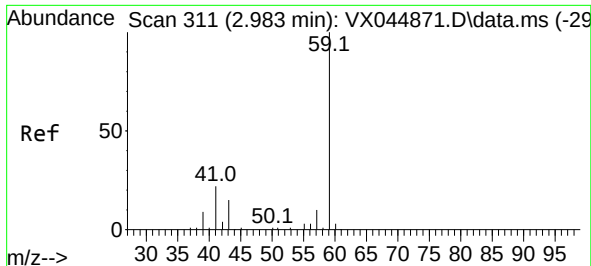
Tgt Ion:101 Resp: 29801
Ion Ratio Lower Upper
101 100
85 44.7 35.7 53.5
151 68.4 56.0 84.0



#10
Methyl Iodide
Concen: 20.149 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:142 Resp: 38410
Ion Ratio Lower Upper
142 100
127 43.8 34.3 51.5
141 13.7 11.4 17.2

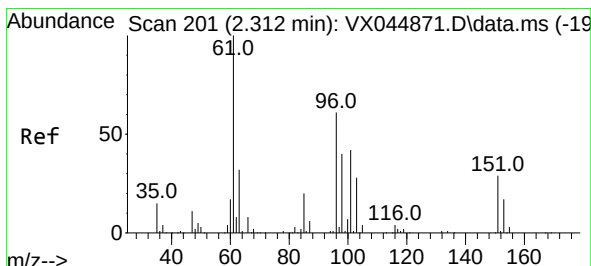
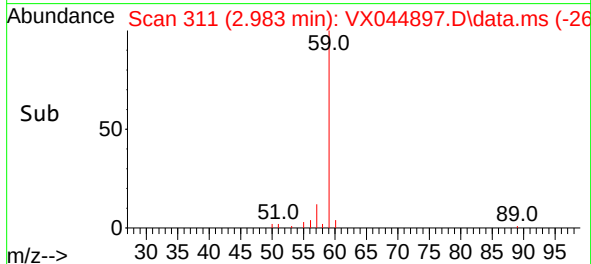
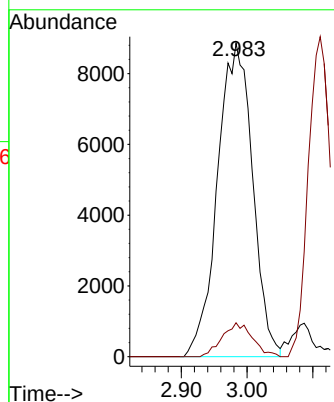
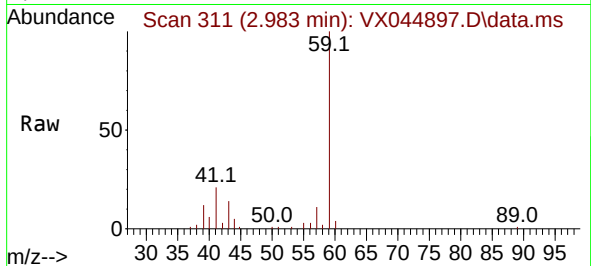




#11
Tert butyl alcohol
Concen: 103.851 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

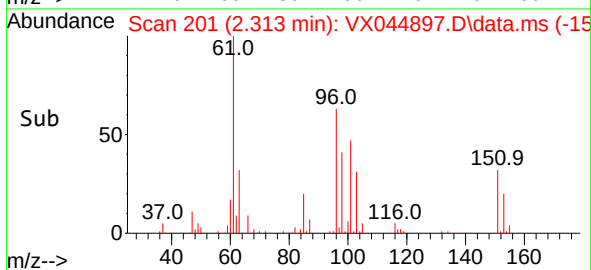
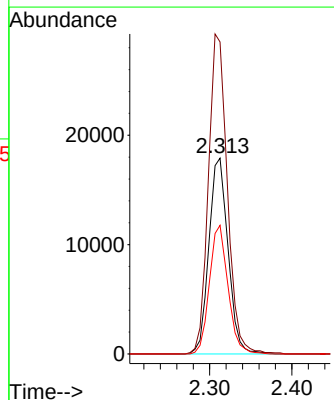
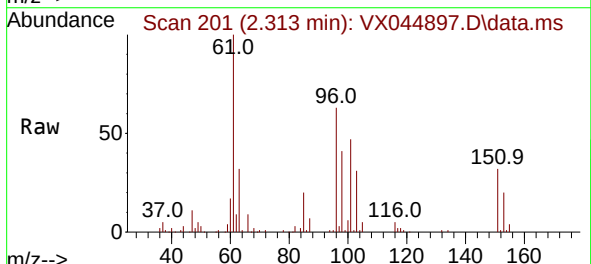
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

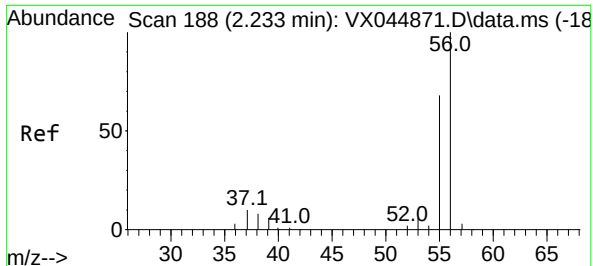
Tgt Ion: 59 Resp: 32829
Ion Ratio Lower Upper
59 100
57 9.3 8.1 12.1



#12
1,1-Dichloroethene
Concen: 19.330 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 96 Resp: 29002
Ion Ratio Lower Upper
96 100
61 159.4 130.2 195.4
98 65.7 52.2 78.4

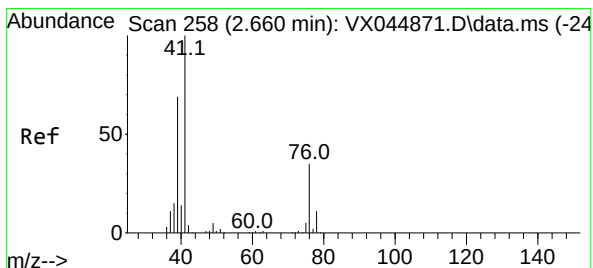
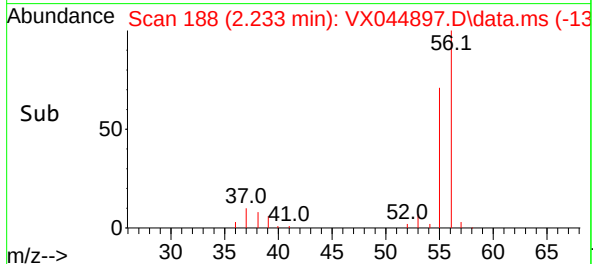
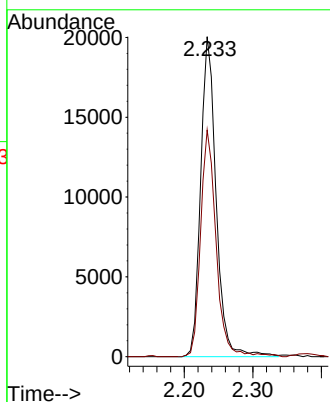
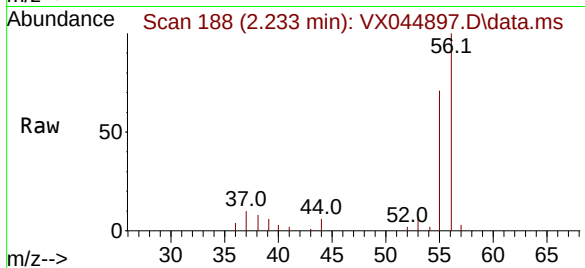




#13
Acrolein
Concen: 96.897 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

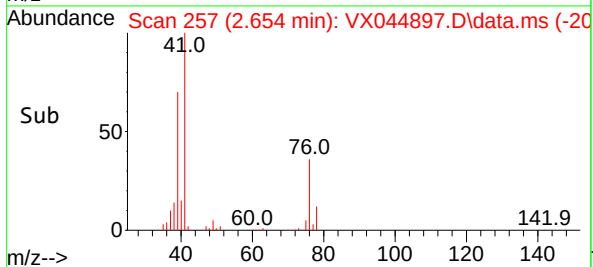
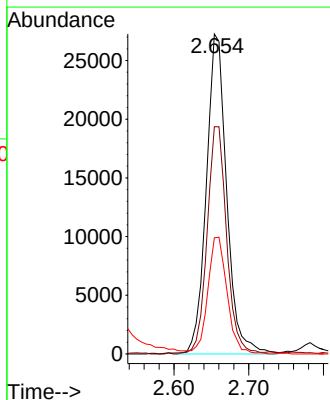
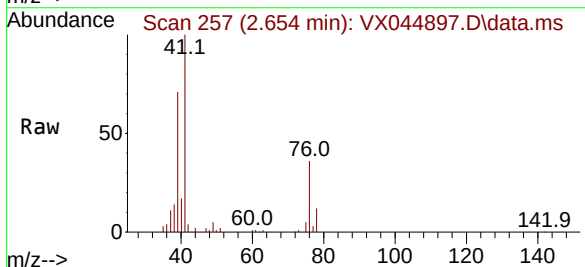
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

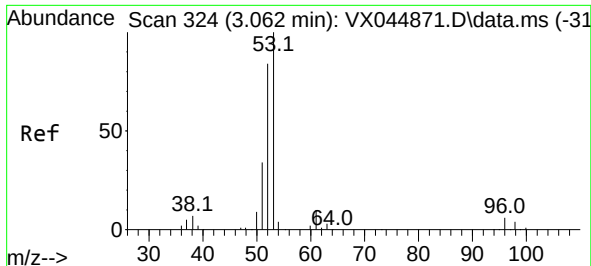
Tgt Ion: 56 Resp: 31603
Ion Ratio Lower Upper
56 100
55 71.0 55.7 83.5



#14
Allyl chloride
Concen: 19.096 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 41 Resp: 51780
Ion Ratio Lower Upper
41 100
39 68.2 51.4 77.2
76 34.8 27.0 40.4





#15

Acrylonitrile

Concen: 102.915 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

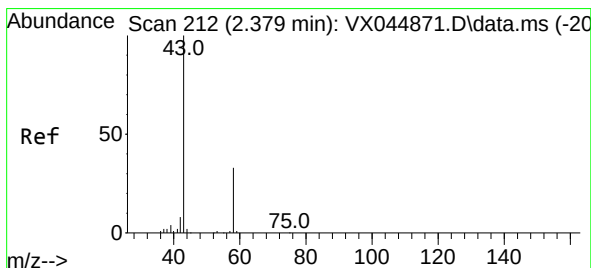
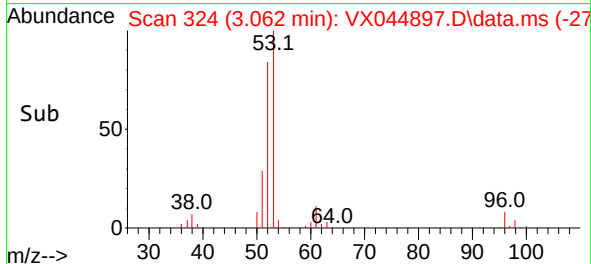
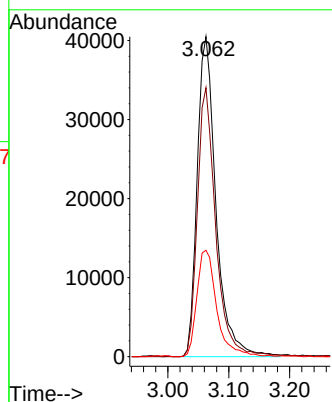
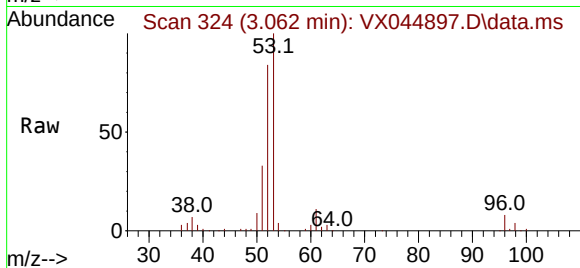
Tgt Ion: 53 Resp: 86862

Ion Ratio Lower Upper

53 100

52 82.3 65.0 97.6

51 35.3 28.0 42.0



#16

Acetone

Concen: 100.366 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX044897.D

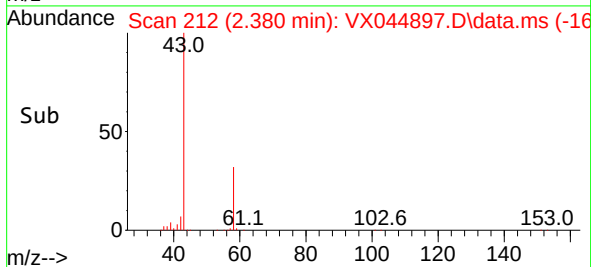
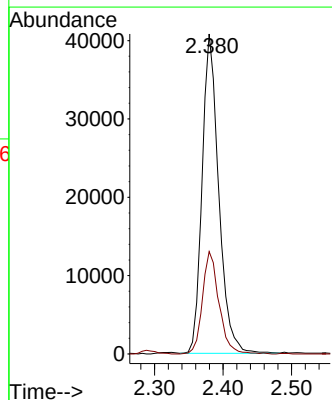
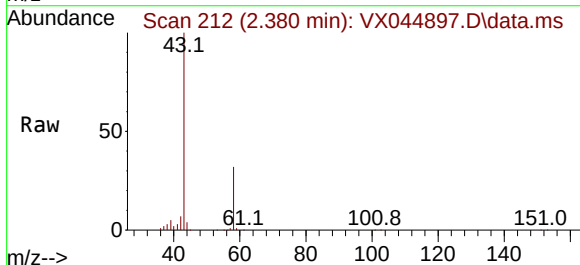
Acq: 11 Feb 2025 11:48

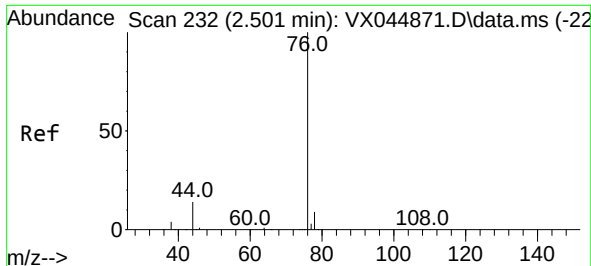
Tgt Ion: 43 Resp: 68752

Ion Ratio Lower Upper

43 100

58 32.1 26.5 39.7

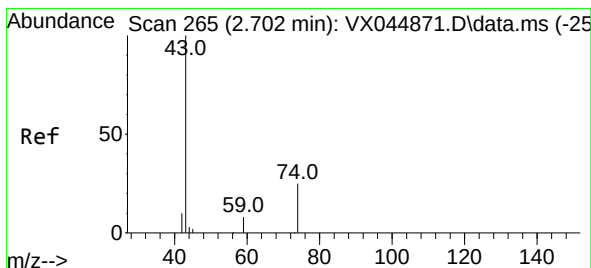
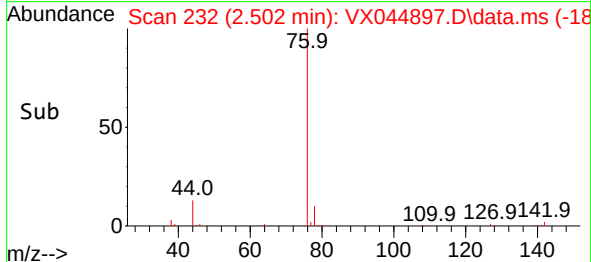
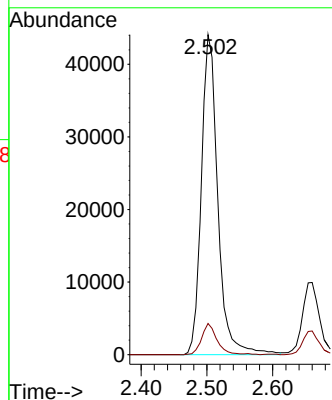
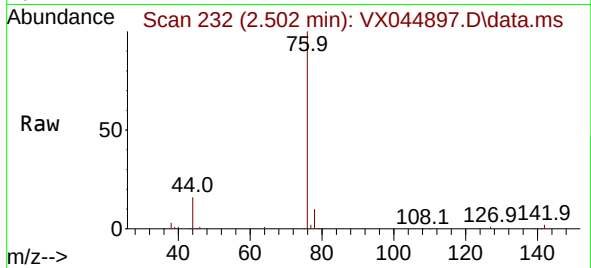




#17
Carbon Disulfide
Concen: 18.631 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

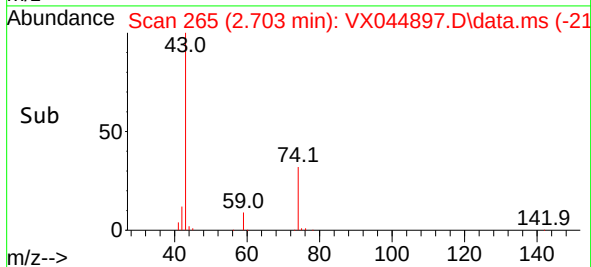
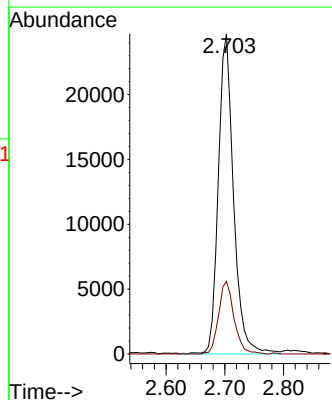
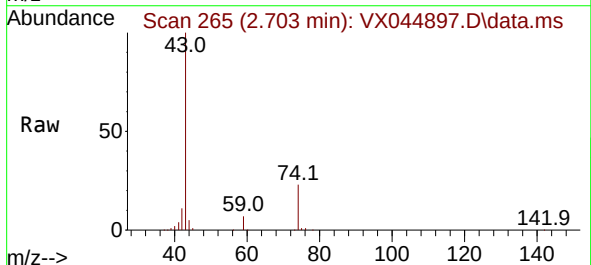
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

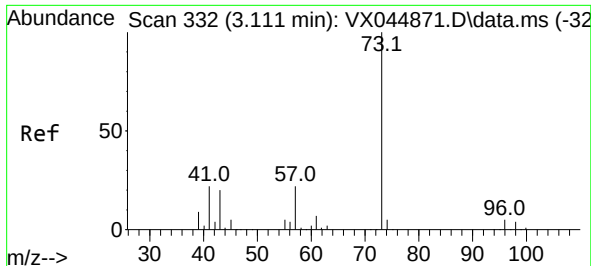
Tgt Ion: 76 Resp: 76655
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.4



#18
Methyl Acetate
Concen: 20.527 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 43 Resp: 44373
Ion Ratio Lower Upper
43 100
74 23.0 18.9 28.3

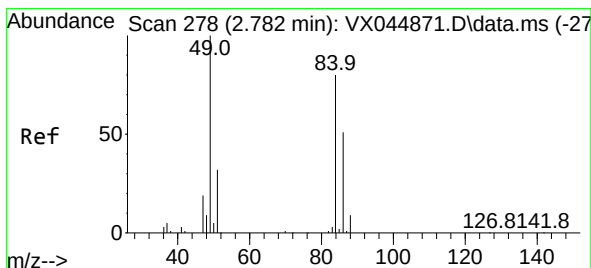
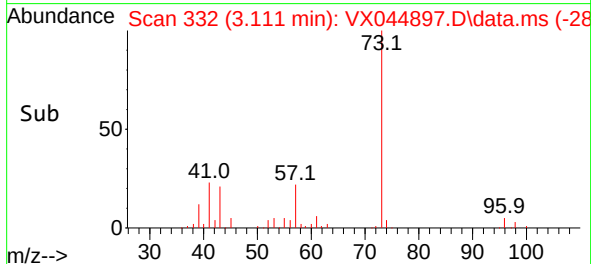
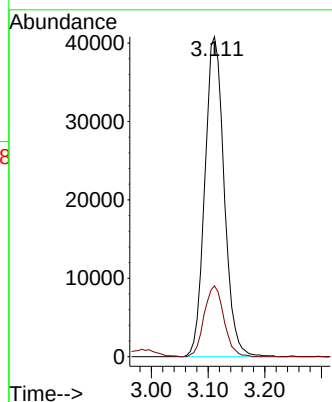
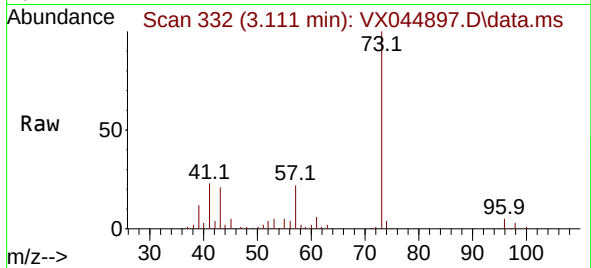




#19
Methyl tert-butyl Ether
Concen: 20.246 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

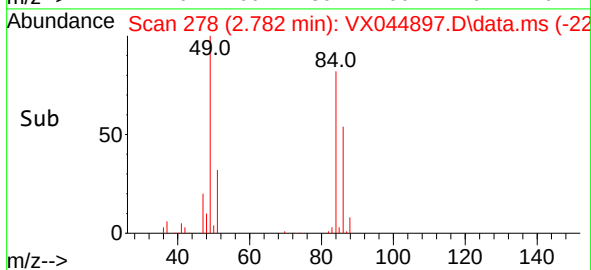
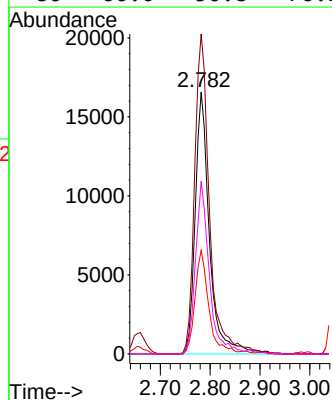
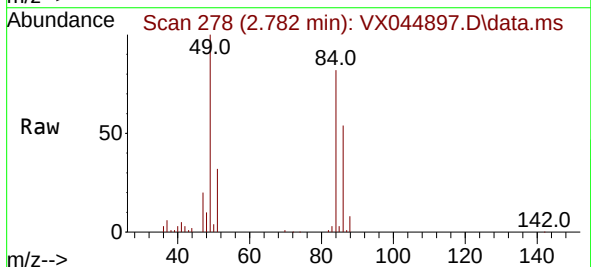
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

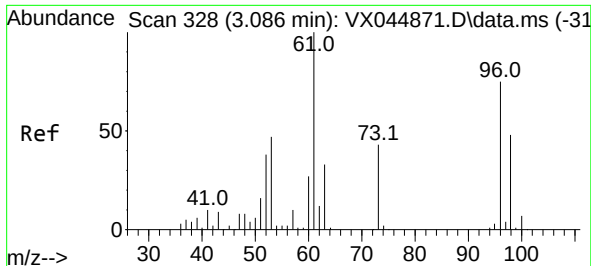
Tgt Ion: 73 Resp: 96651
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9



#20
Methylene Chloride
Concen: 19.594 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 84 Resp: 32877
Ion Ratio Lower Upper
84 100
49 122.3 100.1 150.1
51 39.6 31.7 47.5
86 66.0 50.8 76.2

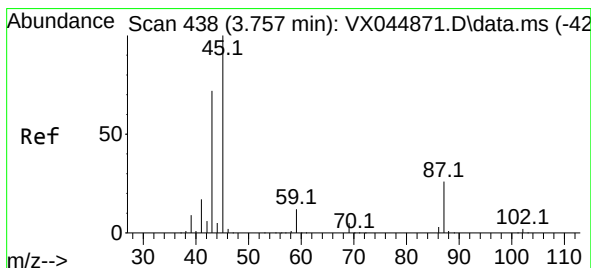
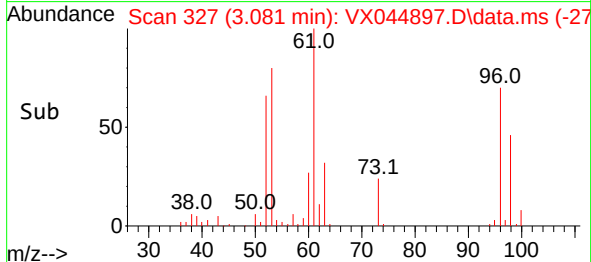
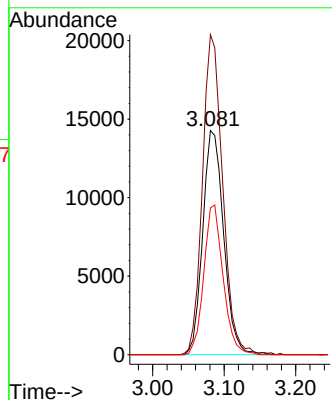
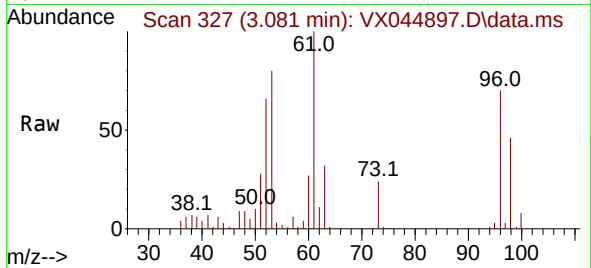




#21
trans-1,2-Dichloroethene
Concen: 19.676 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

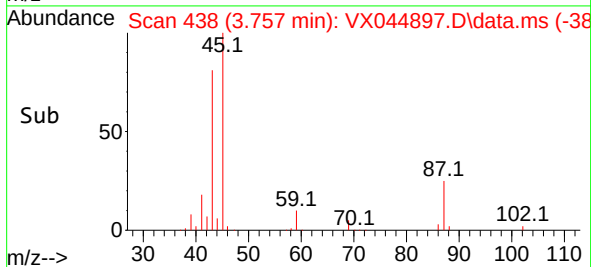
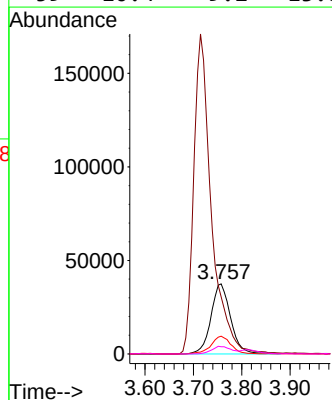
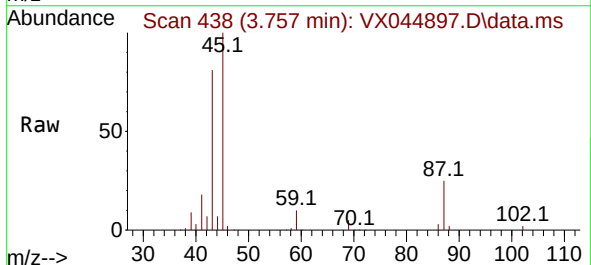
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

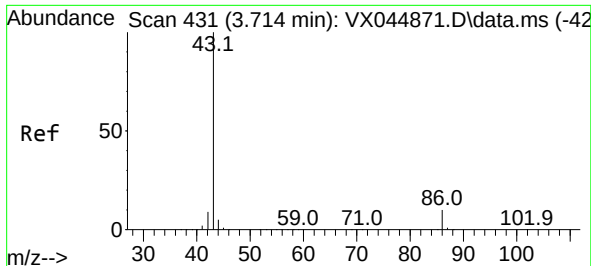
Tgt Ion: 96 Resp: 29055
Ion Ratio Lower Upper
96 100
61 142.7 106.0 159.0
98 65.5 50.6 76.0



#22
Diisopropyl ether
Concen: 20.627 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 45 Resp: 105816
Ion Ratio Lower Upper
45 100
43 81.0 58.0 87.0
87 25.4 20.7 31.1
59 10.4 9.2 13.8

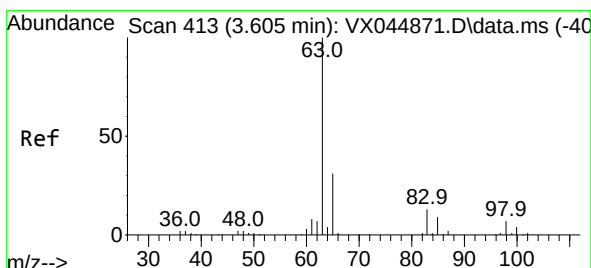
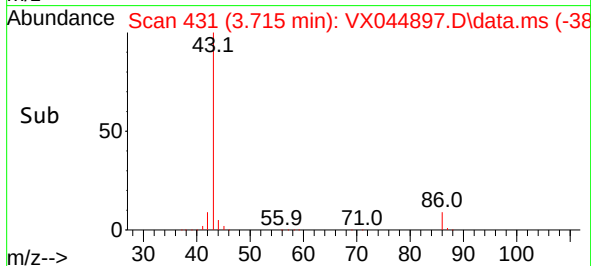
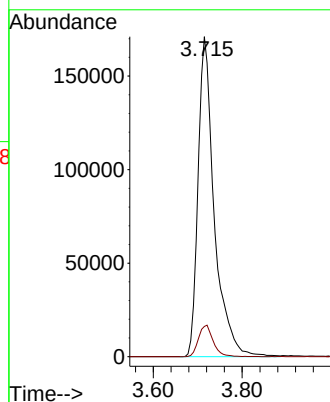
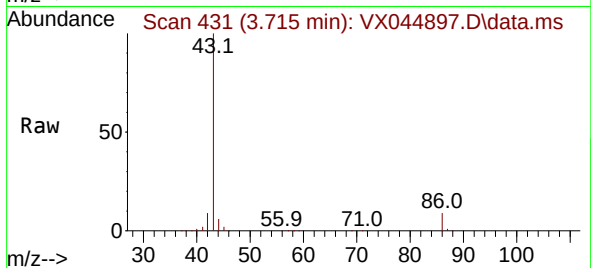




#23
 Vinyl Acetate
 Concen: 103.656 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX044897.D
 Acq: 11 Feb 2025 11:48

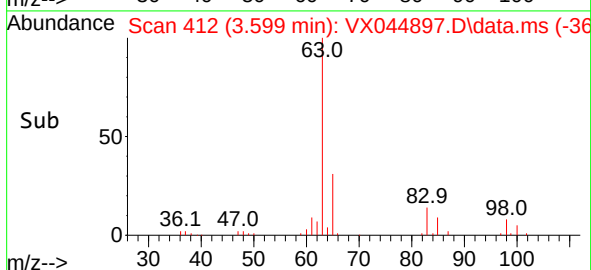
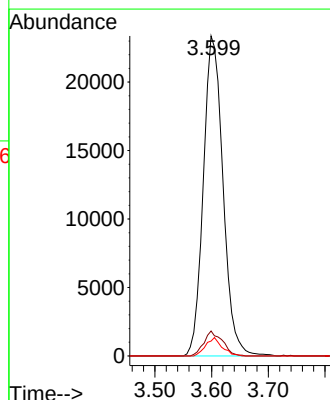
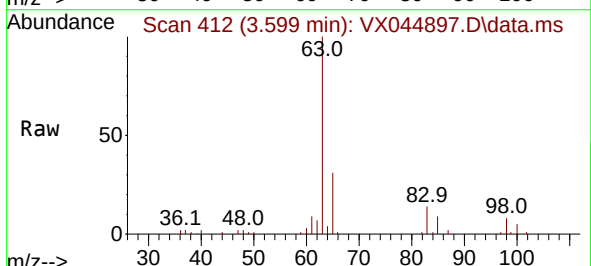
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBSD01

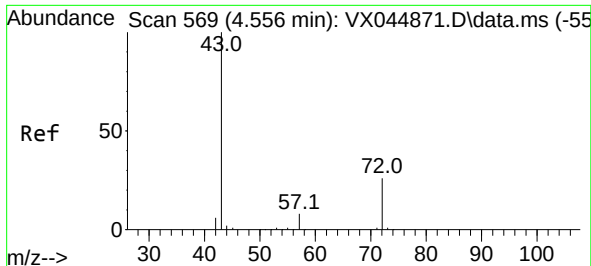
Tgt Ion: 43 Resp: 433511
 Ion Ratio Lower Upper
 43 100
 86 9.4 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 19.635 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.006 min
 Lab File: VX044897.D
 Acq: 11 Feb 2025 11:48

Tgt Ion: 63 Resp: 56359
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.3 9.9
 100 4.6 2.1 6.5

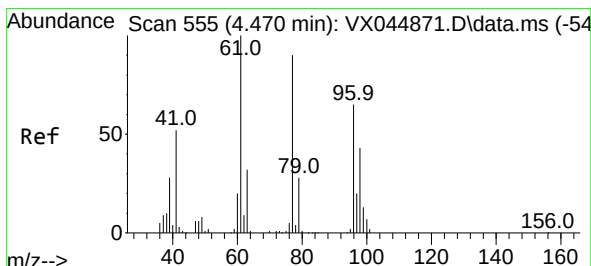
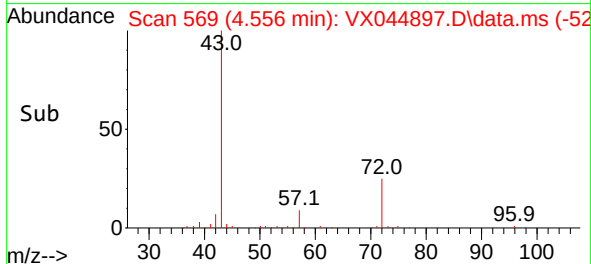
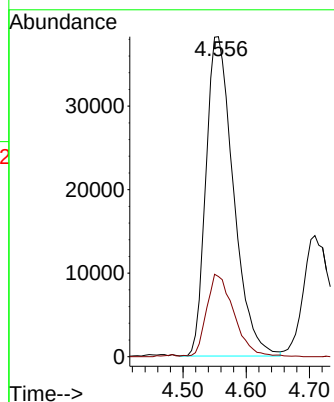
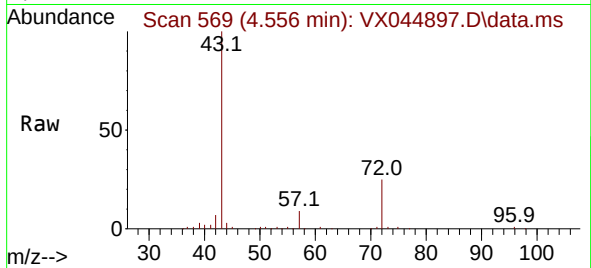




#25
2-Butanone
Concen: 103.966 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

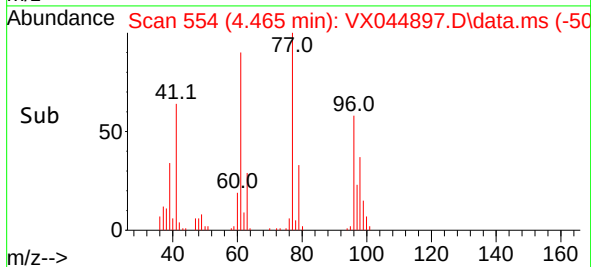
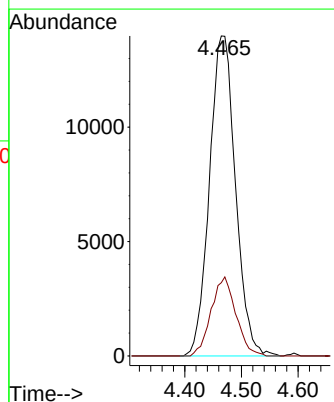
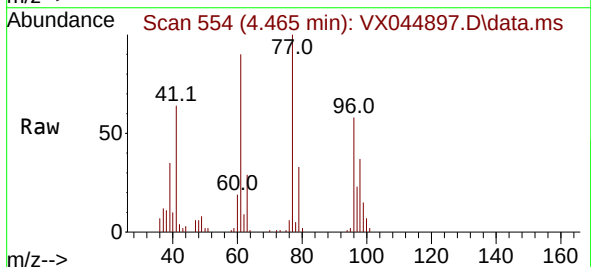
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

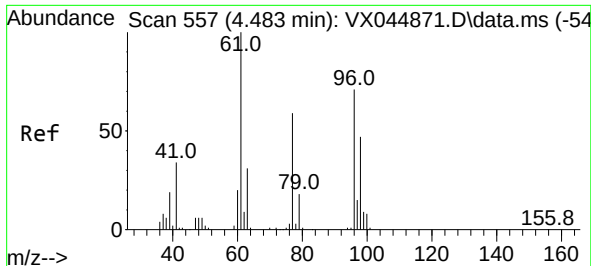
Tgt Ion: 43 Resp: 115645
Ion Ratio Lower Upper
43 100
72 24.8 21.2 31.8



#26
2,2-Dichloropropane
Concen: 19.590 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 77 Resp: 44593
Ion Ratio Lower Upper
77 100
97 23.5 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.041 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

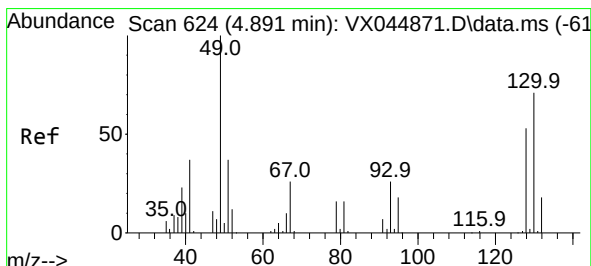
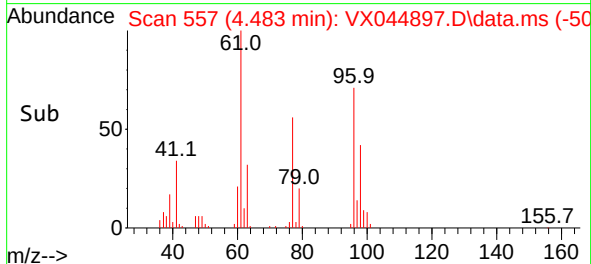
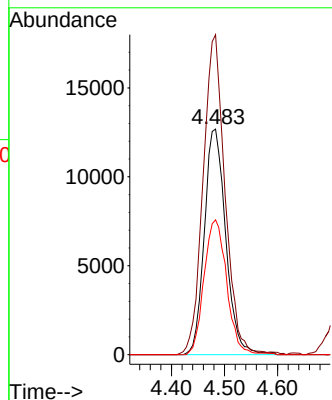
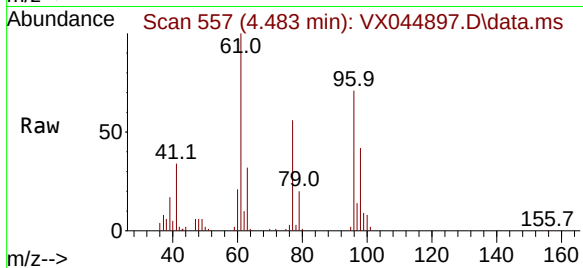
Tgt Ion: 96 Resp: 35548

Ion Ratio Lower Upper

96 100

61 145.0 0.0 294.0

98 63.4 0.0 131.2



#28

Bromochloromethane

Concen: 18.515 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

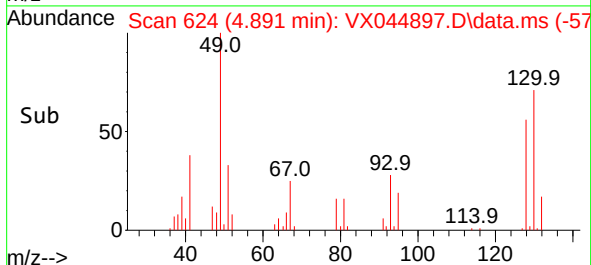
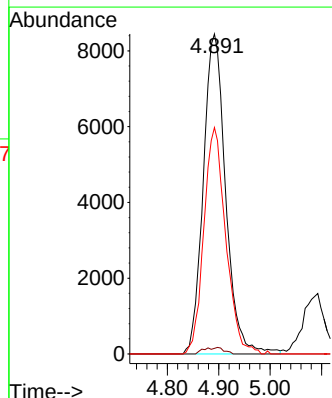
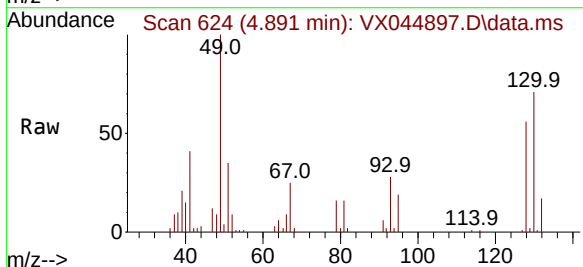
Tgt Ion: 49 Resp: 25541

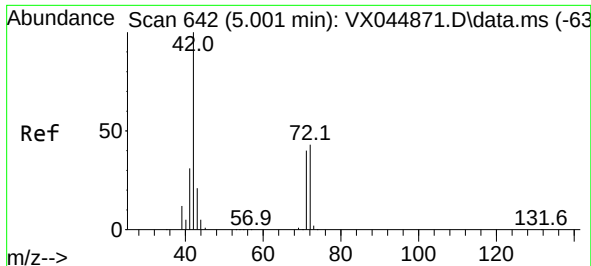
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 69.2 56.7 85.1





#29

Tetrahydrofuran

Concen: 101.711 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

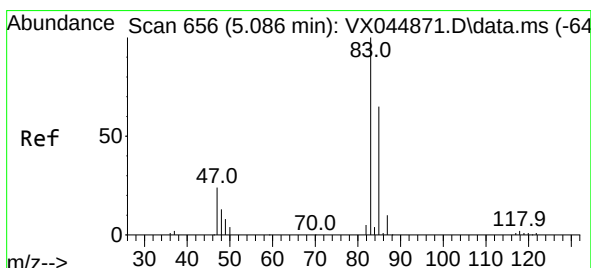
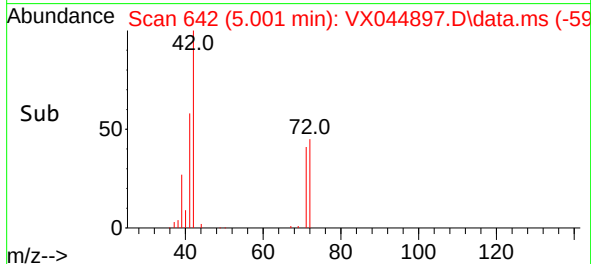
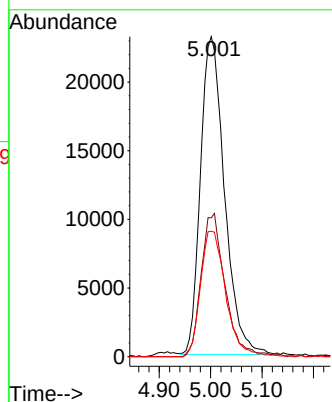
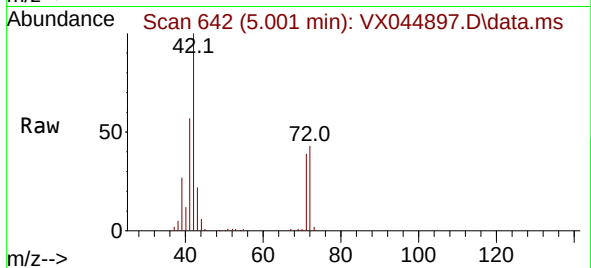
Tgt Ion: 42 Resp: 75125

Ion Ratio Lower Upper

42 100

72 45.0 35.0 52.4

71 41.5 32.6 48.8



#30

Chloroform

Concen: 19.660 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044897.D

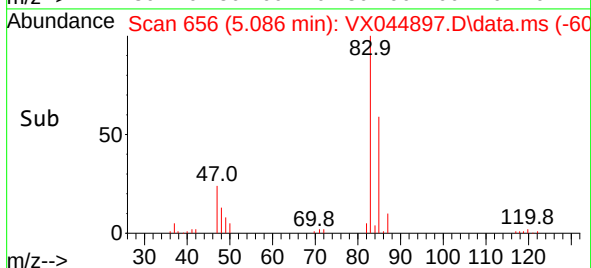
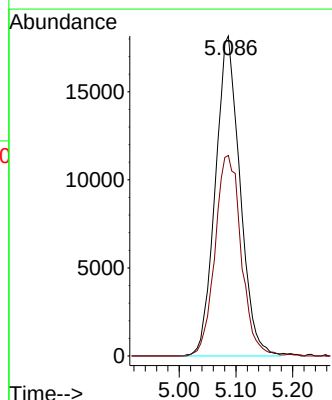
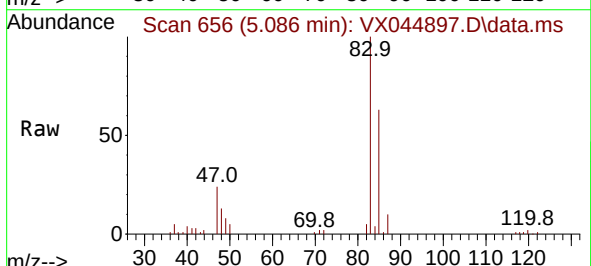
Acq: 11 Feb 2025 11:48

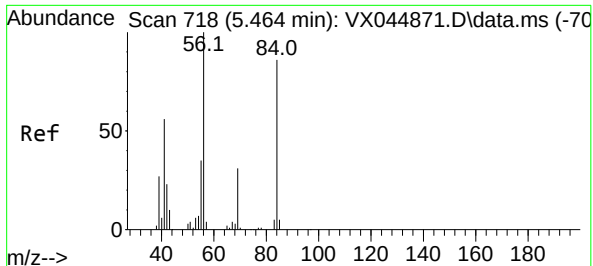
Tgt Ion: 83 Resp: 54727

Ion Ratio Lower Upper

83 100

85 62.7 52.1 78.1

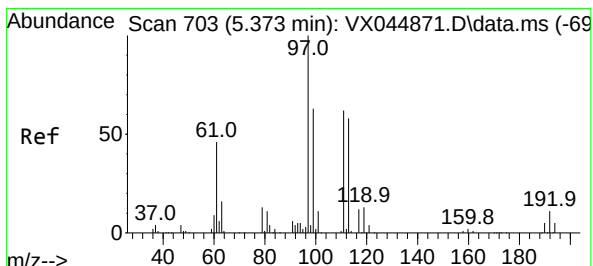
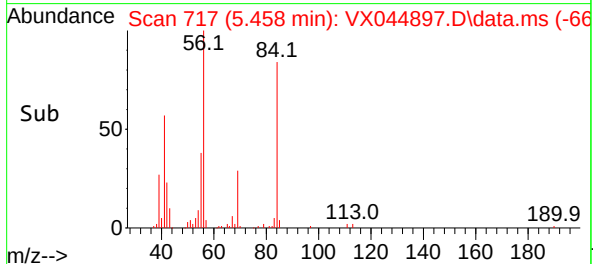
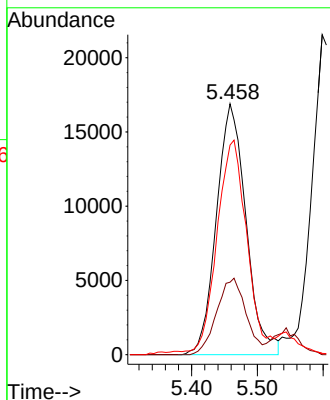
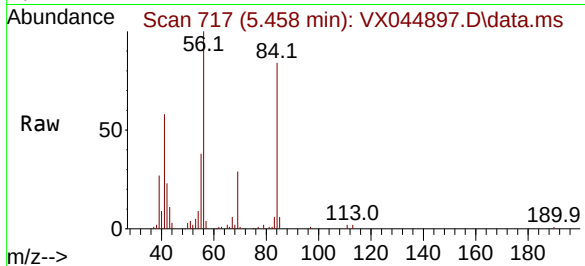




#31
Cyclohexane
Concen: 19.969 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

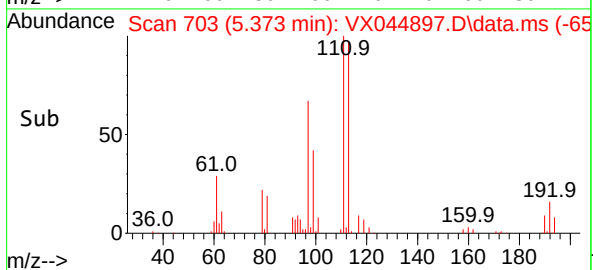
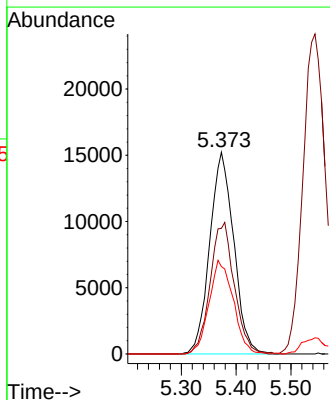
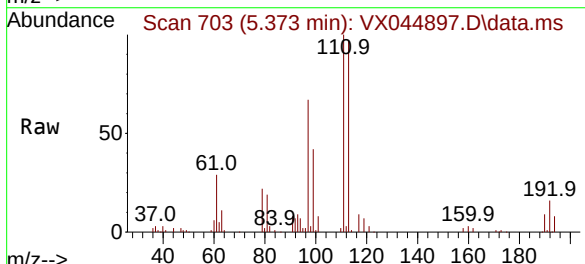
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

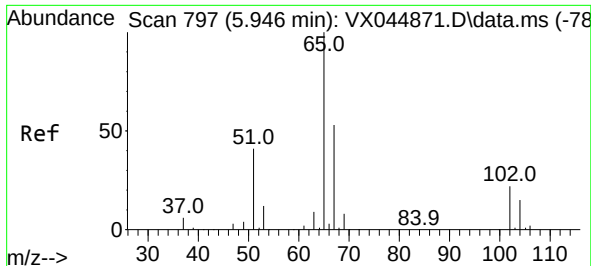
Tgt Ion: 56 Resp: 52843
Ion Ratio Lower Upper
56 100
69 28.9 24.4 36.6
84 82.2 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 19.624 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 97 Resp: 46336
Ion Ratio Lower Upper
97 100
99 65.4 51.0 76.6
61 46.9 36.6 55.0

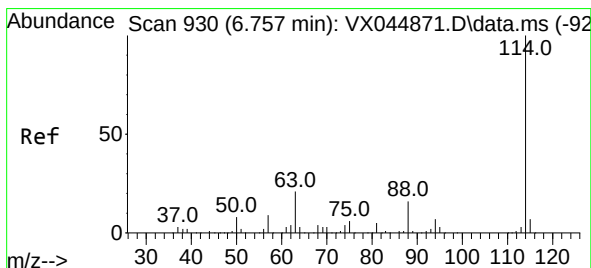
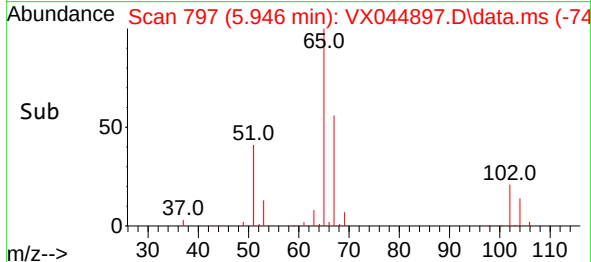
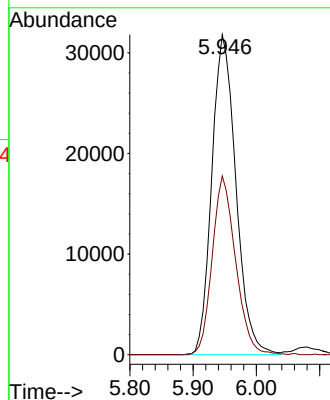
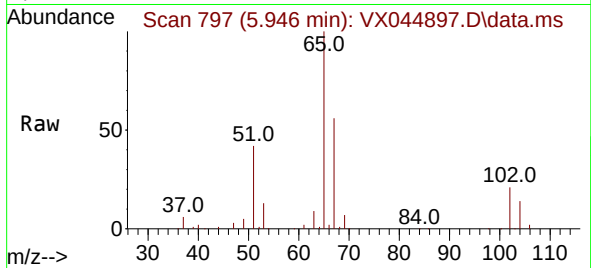




#33
 1,2-Dichloroethane-d4
 Concen: 49.388 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.000 min
 Lab File: VX044897.D
 Acq: 11 Feb 2025 11:48

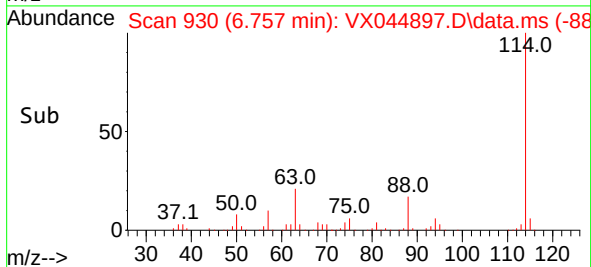
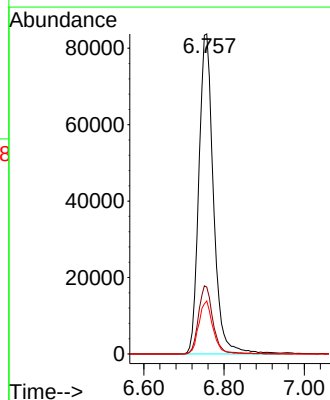
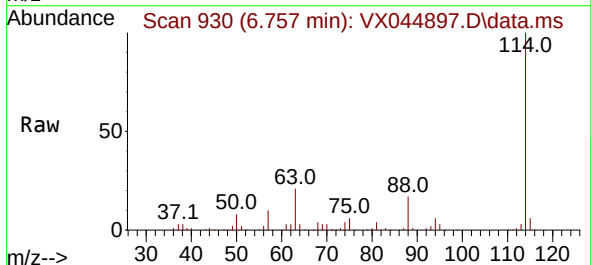
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBSD01

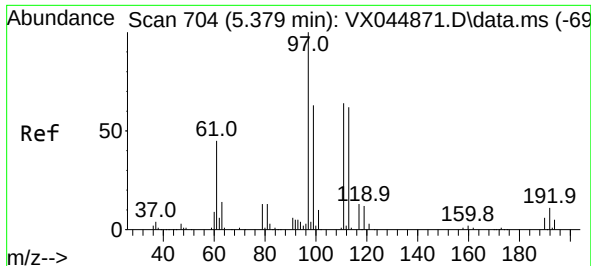
Tgt Ion: 65 Resp: 84156
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX044897.D
 Acq: 11 Feb 2025 11:48

Tgt Ion: 114 Resp: 211404
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.4
 88 16.6 0.0 31.4

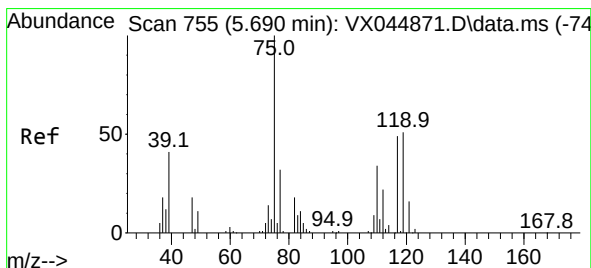
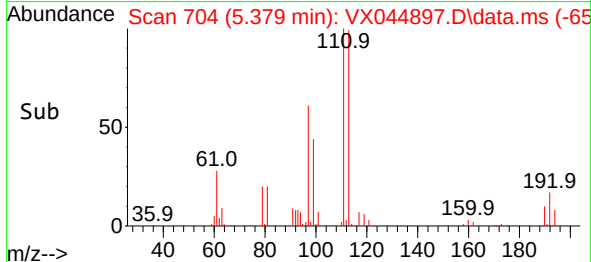
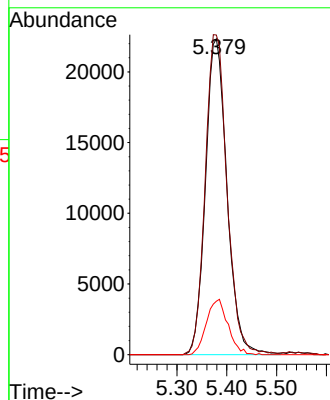
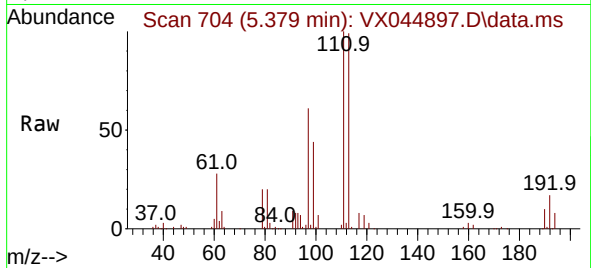




#35
Dibromofluoromethane
Concen: 48.805 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

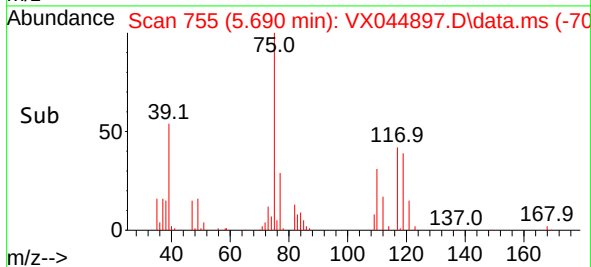
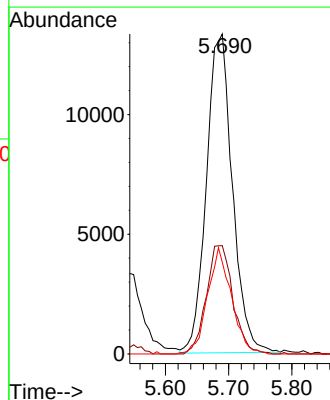
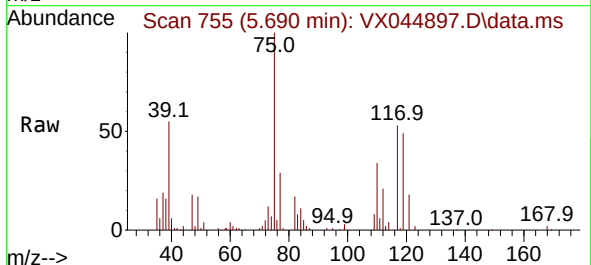
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

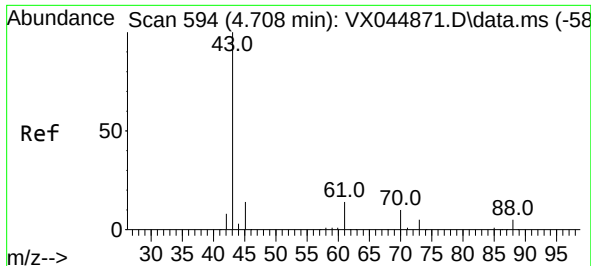
Tgt Ion:113 Resp: 67081
Ion Ratio Lower Upper
113 100
111 102.4 83.5 125.3
192 17.4 14.4 21.6



#36
1,1-Dichloropropene
Concen: 19.226 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 75 Resp: 38126
Ion Ratio Lower Upper
75 100
110 34.6 17.2 51.6
77 30.6 24.6 37.0

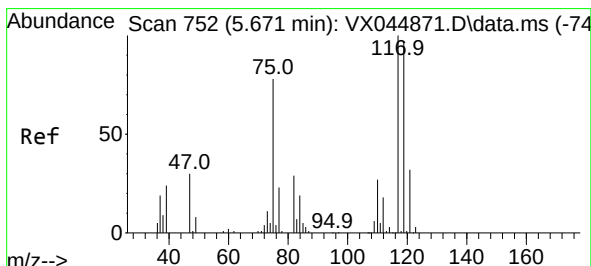
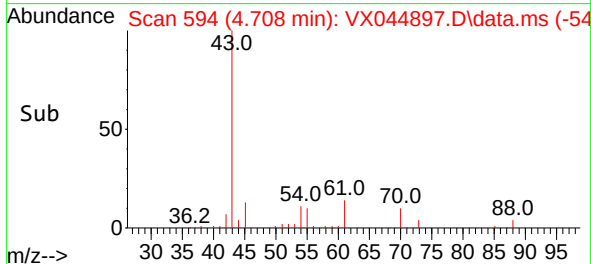
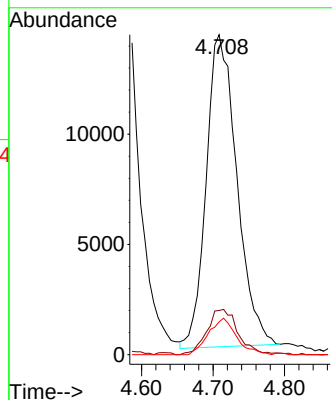
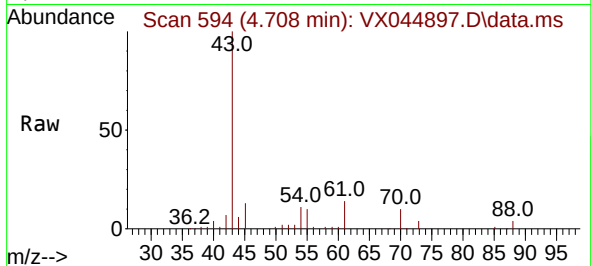




#37
Ethyl Acetate
Concen: 19.128 ug/l
RT: 4.708 min Scan# 594
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

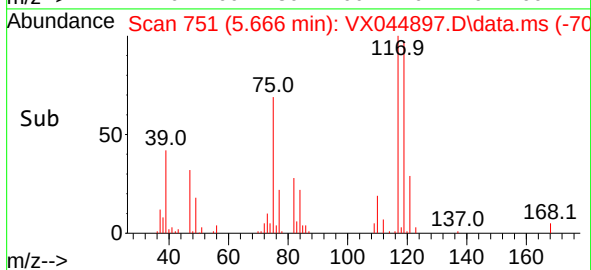
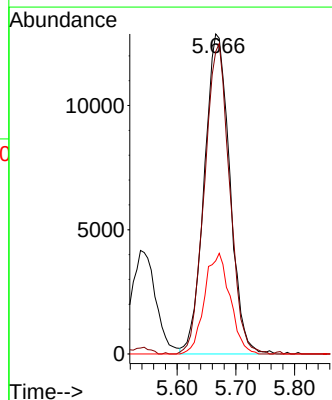
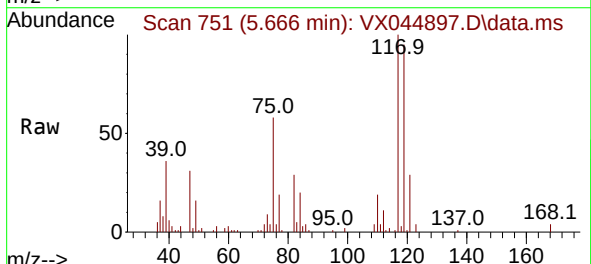
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

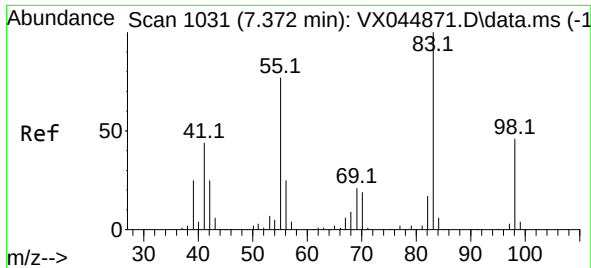
Tgt Ion:	43	Resp:	42191
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.0	16.4
70	10.7	8.2	12.2



#38
Carbon Tetrachloride
Concen: 19.985 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:	117	Resp:	38835
Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.5	116.3
121	29.1	25.6	38.4

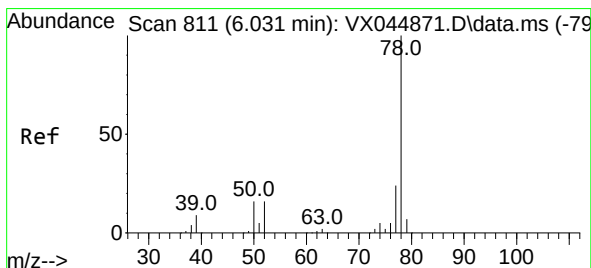
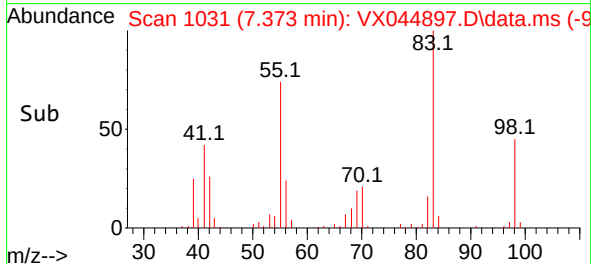
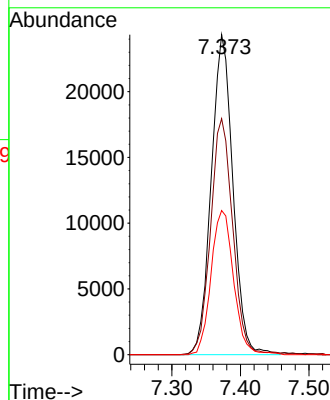
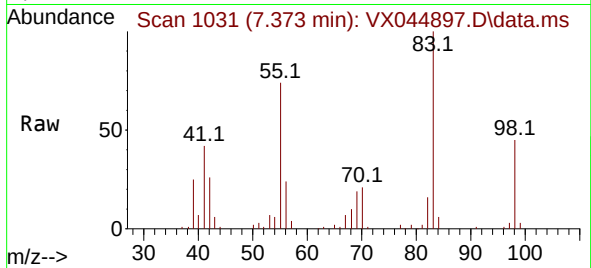




#39
Methylcyclohexane
Concen: 20.842 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

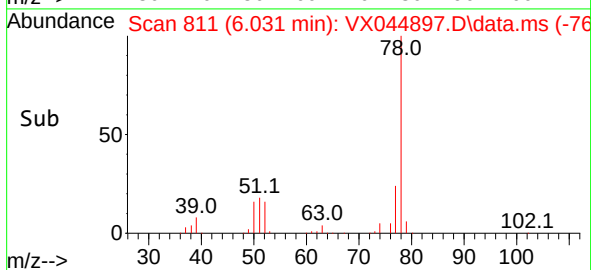
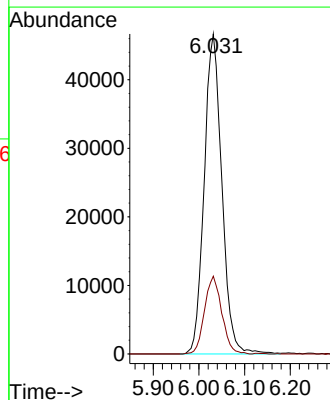
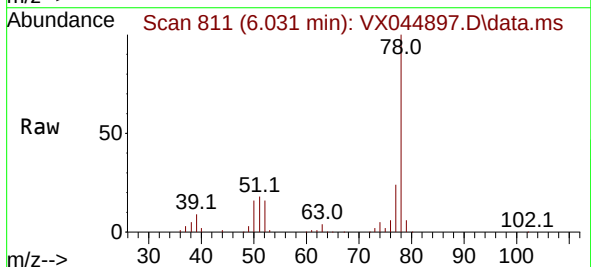
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

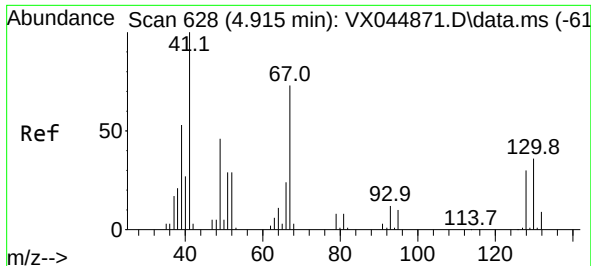
Tgt Ion: 83 Resp: 53434
Ion Ratio Lower Upper
83 100
55 73.8 61.3 91.9
98 45.1 37.0 55.6



#40
Benzene
Concen: 20.215 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 78 Resp: 125170
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6

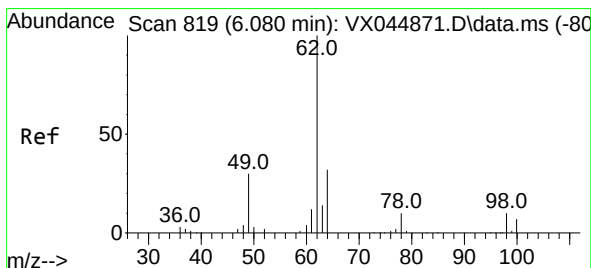
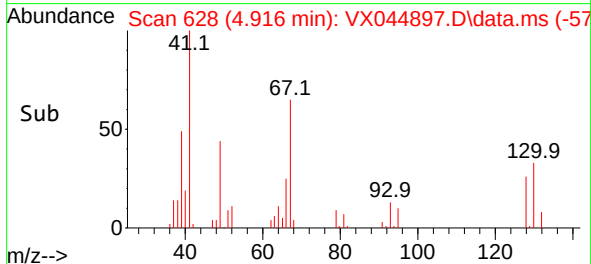
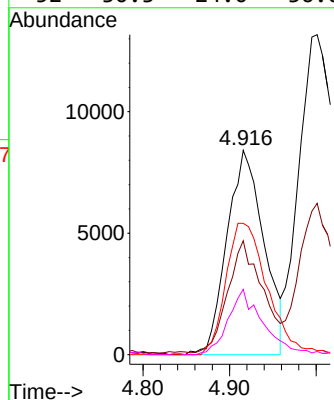
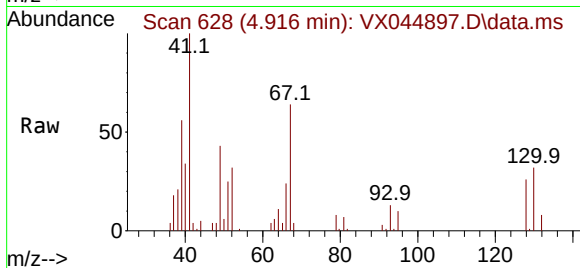




#41
Methacrylonitrile
Concen: 21.092 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

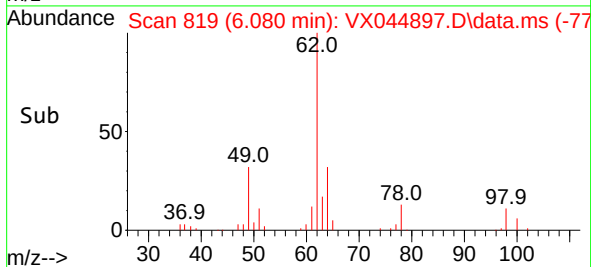
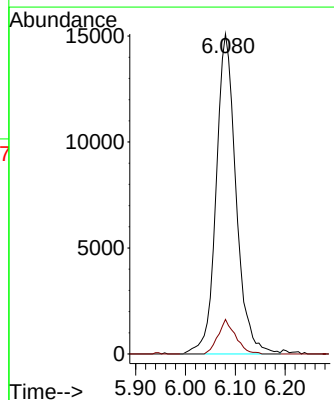
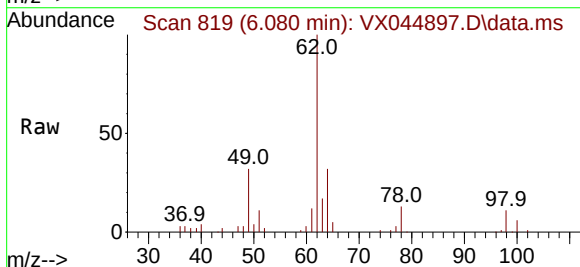
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

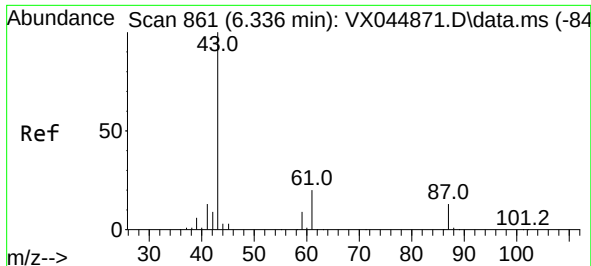
Tgt Ion:	41	Resp:	24902
Ion	Ratio	Lower	Upper
41	100		
39	51.5	43.1	64.7
67	72.7	57.0	85.6
52	30.3	24.0	36.0



#42
1,2-Dichloroethane
Concen: 21.196 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:	62	Resp:	41830
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4

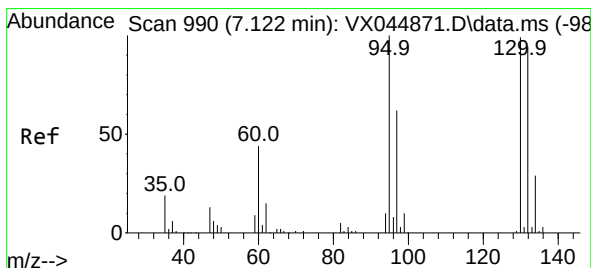
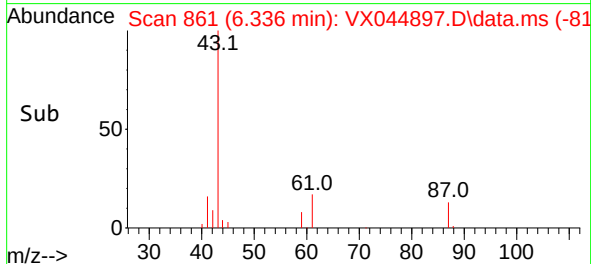
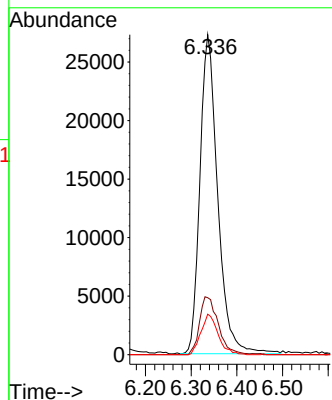
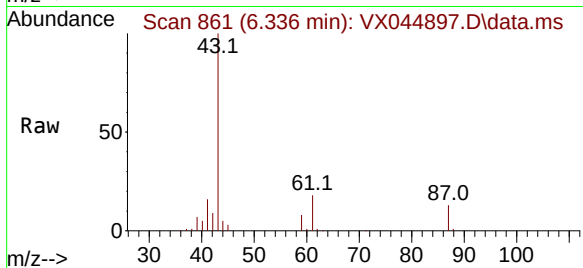




#43
Isopropyl Acetate
Concen: 20.673 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

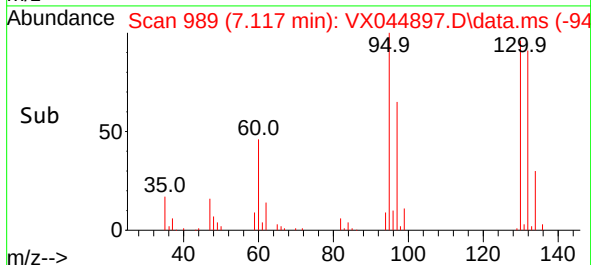
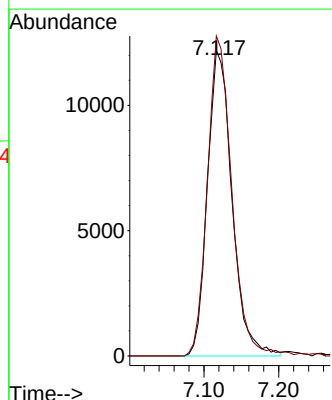
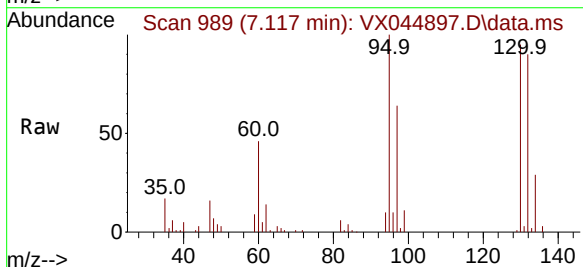
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

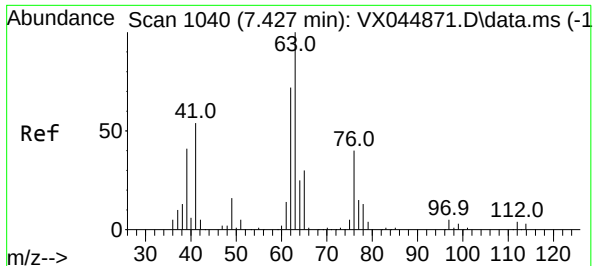
Tgt Ion: 43 Resp: 73633
Ion Ratio Lower Upper
43 100
61 19.1 15.8 23.8
87 12.2 10.0 15.0



#44
Trichloroethene
Concen: 19.717 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:130 Resp: 27907
Ion Ratio Lower Upper
130 100
95 104.7 0.0 202.4





#45

1,2-Dichloropropane

Concen: 20.358 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

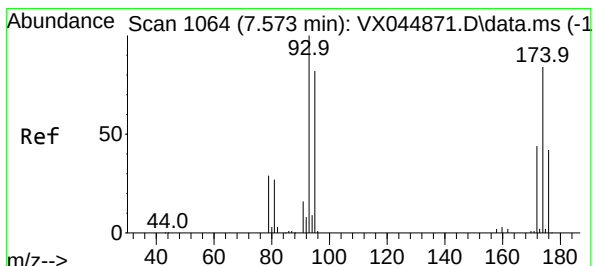
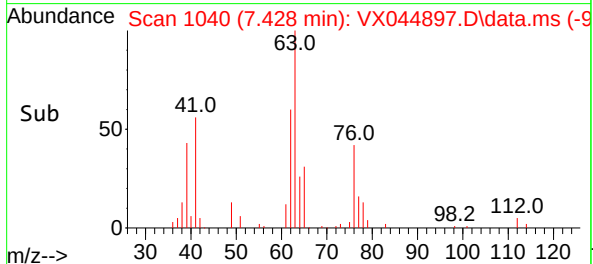
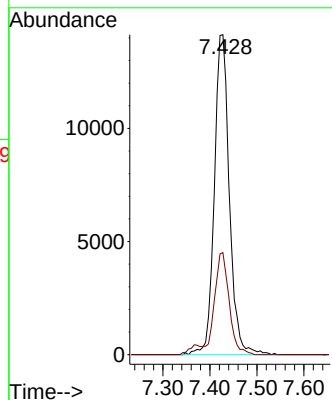
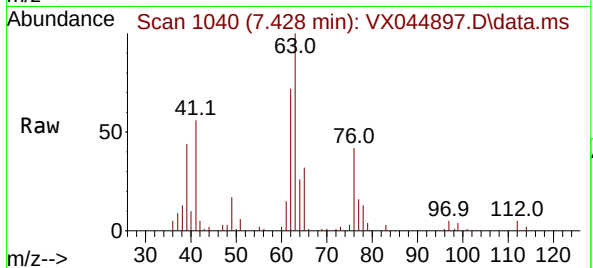
VX0211WBSD01

Tgt Ion: 63 Resp: 31362

Ion Ratio Lower Upper

63 100

65 31.9 24.2 36.4



#46

Dibromomethane

Concen: 20.340 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

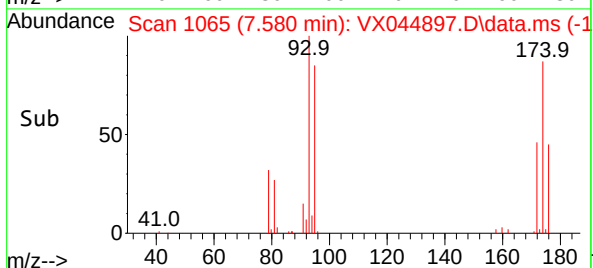
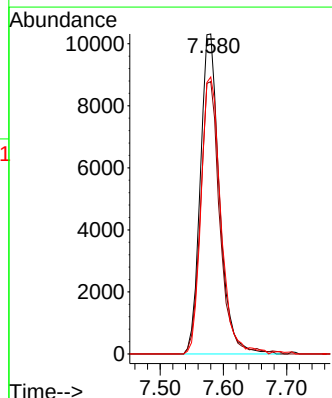
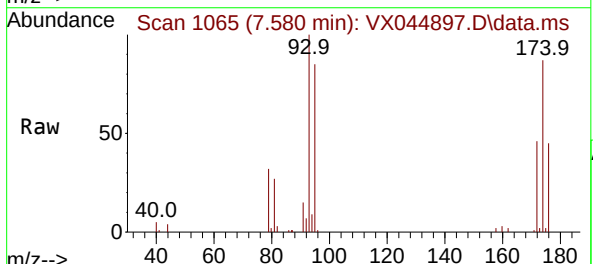
Tgt Ion: 93 Resp: 21730

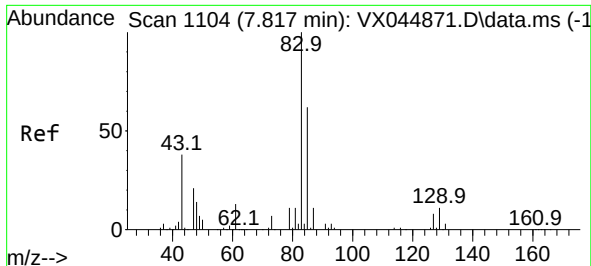
Ion Ratio Lower Upper

93 100

95 85.6 66.2 99.4

174 89.2 69.9 104.9

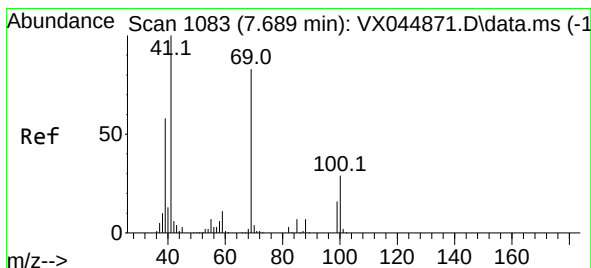
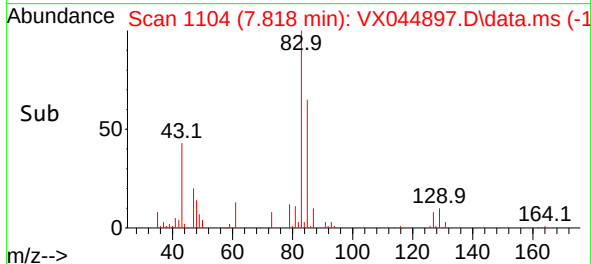
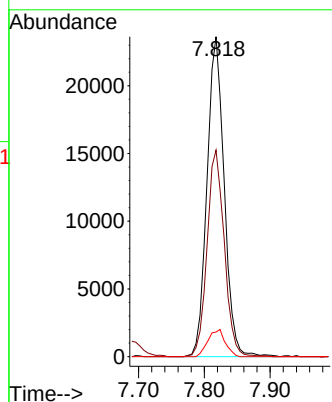
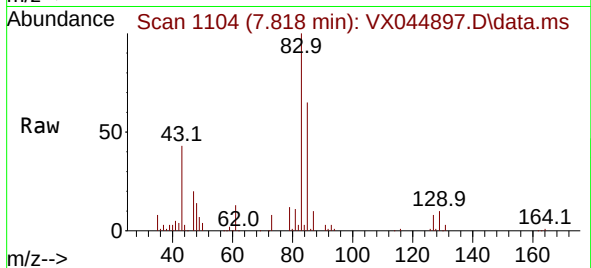




#47
Bromodichloromethane
Concen: 20.786 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

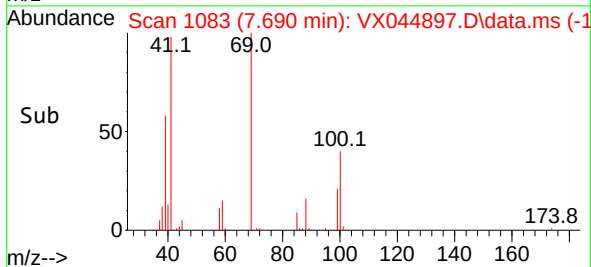
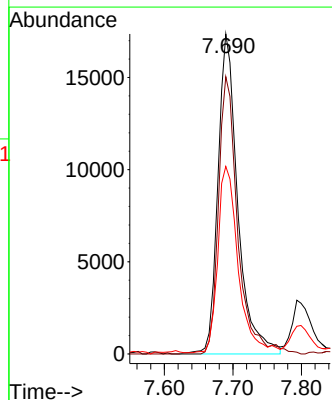
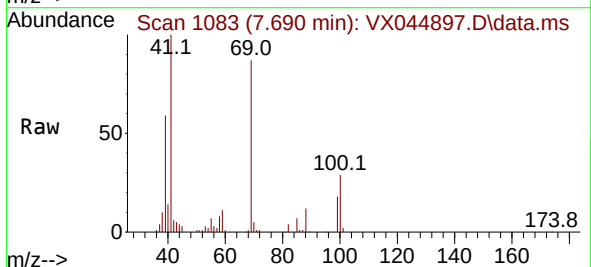
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

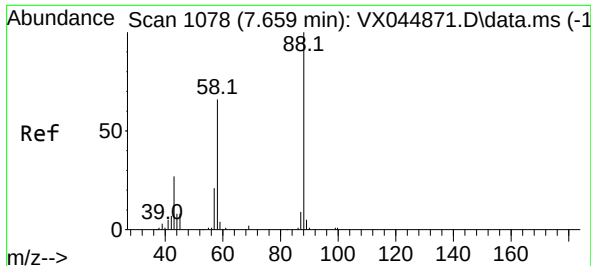
Tgt Ion: 83 Resp: 42998
Ion Ratio Lower Upper
83 100
85 64.6 50.0 75.0
127 7.7 6.4 9.6



#48
Methyl methacrylate
Concen: 20.774 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 41 Resp: 34888
Ion Ratio Lower Upper
41 100
69 83.8 65.8 98.8
39 59.9 46.4 69.6

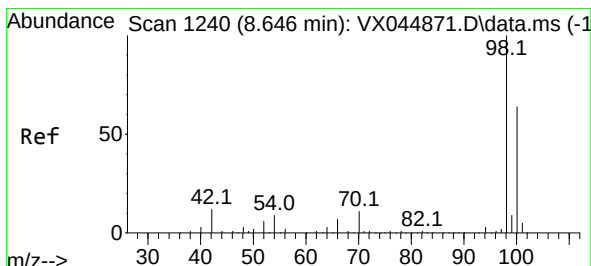
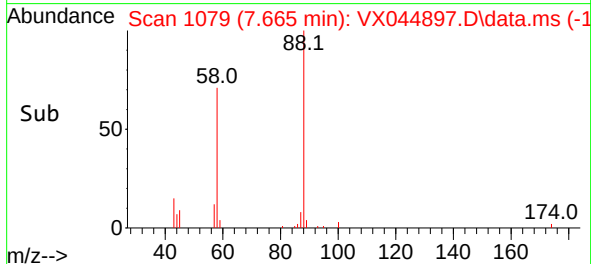
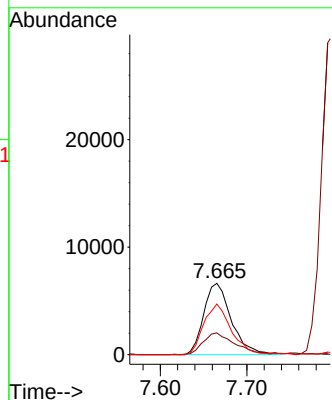
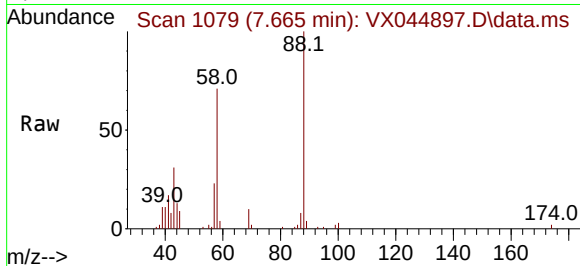




#49
1,4-Dioxane
Concen: 407.387 ug/l
RT: 7.665 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

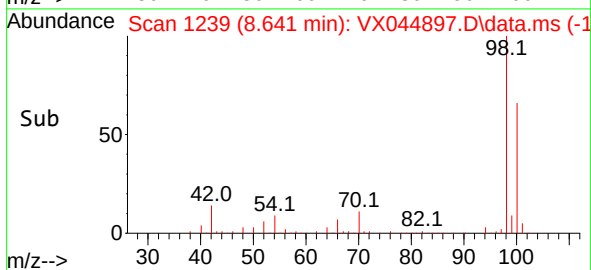
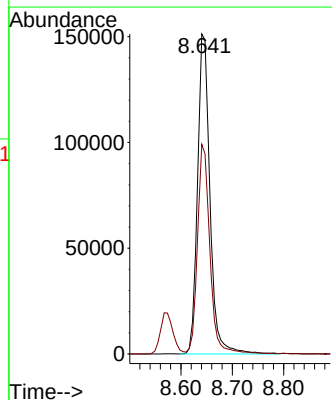
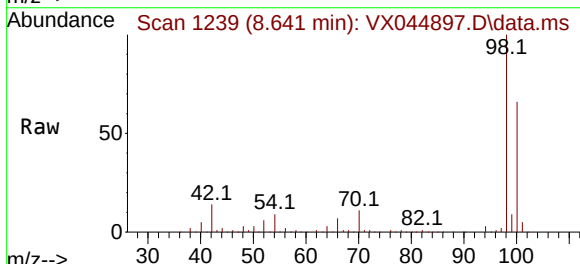
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

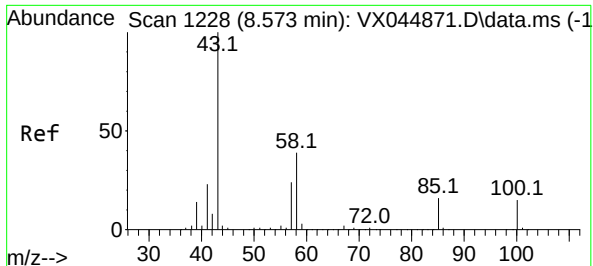
Tgt Ion: 88 Resp: 14679
Ion Ratio Lower Upper
88 100
43 35.1 26.6 39.8
58 70.5 55.9 83.9



#50
Toluene-d8
Concen: 49.019 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 98 Resp: 254774
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1

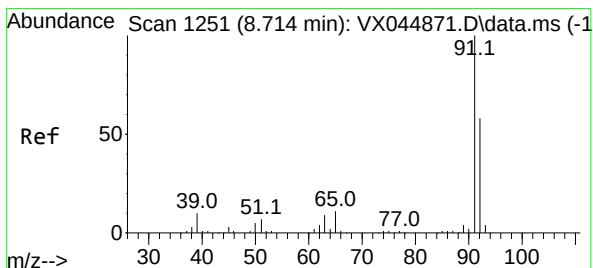
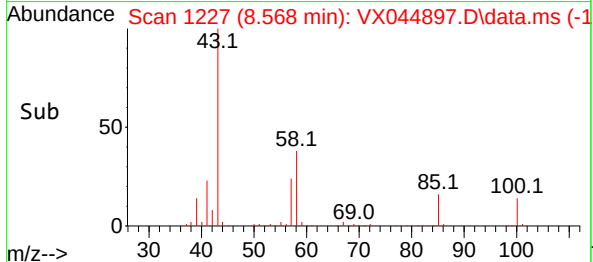
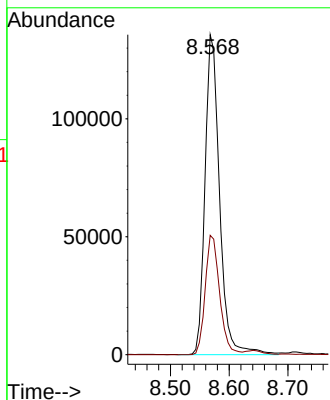
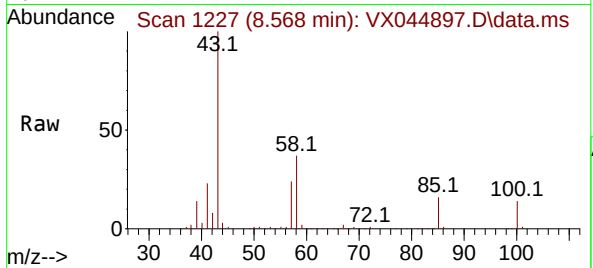




#51
4-Methyl-2-Pentanone
Concen: 108.010 ug/l
RT: 8.568 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

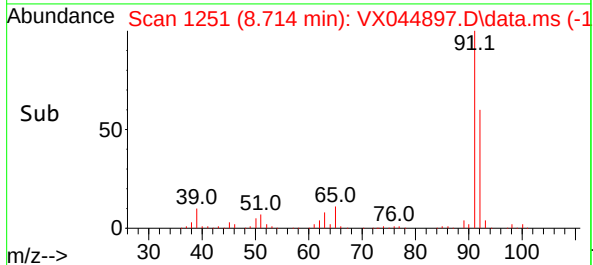
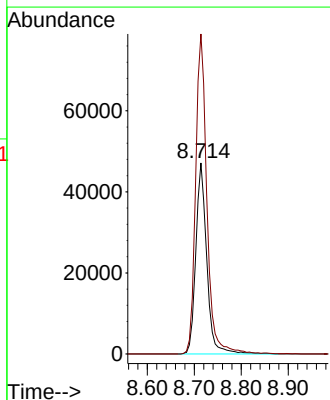
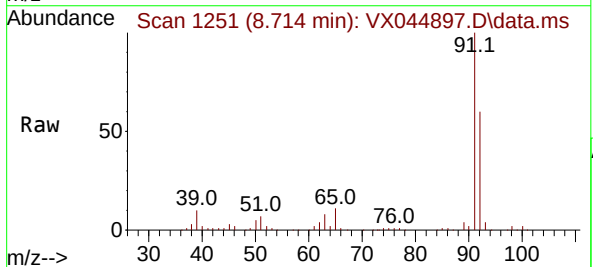
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

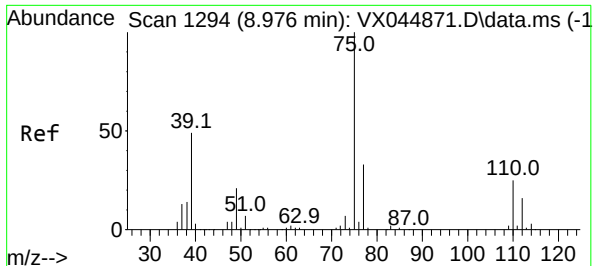
Tgt Ion: 43 Resp: 233883
Ion Ratio Lower Upper
43 100
58 37.0 30.8 46.2



#52
Toluene
Concen: 20.859 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 92 Resp: 76922
Ion Ratio Lower Upper
92 100
91 172.4 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 20.031 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

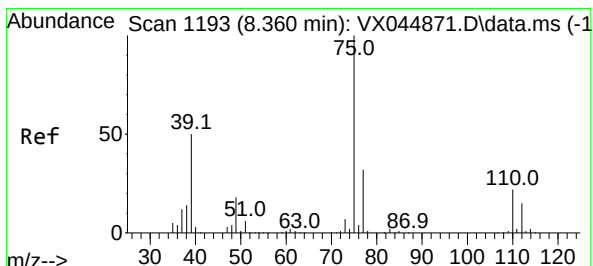
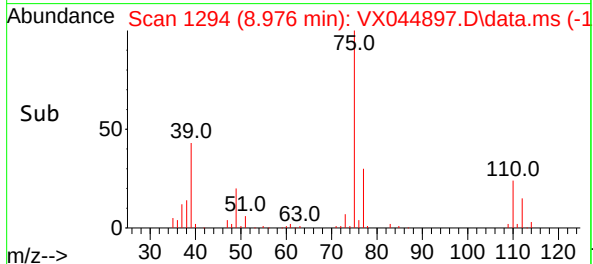
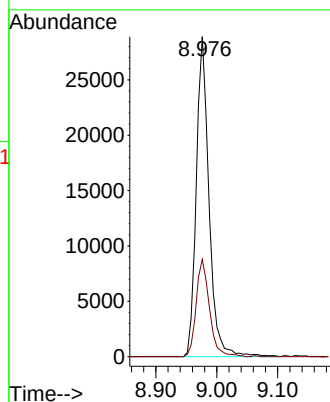
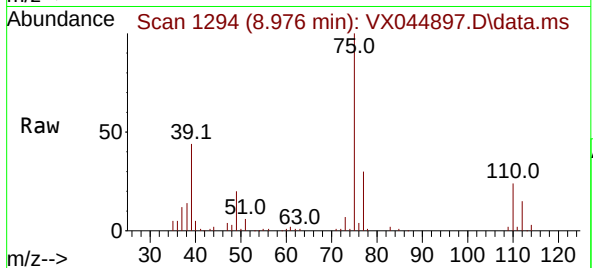
VX0211WBSD01

Tgt Ion: 75 Resp: 41931

Ion Ratio Lower Upper

75 100

77 30.4 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 20.513 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

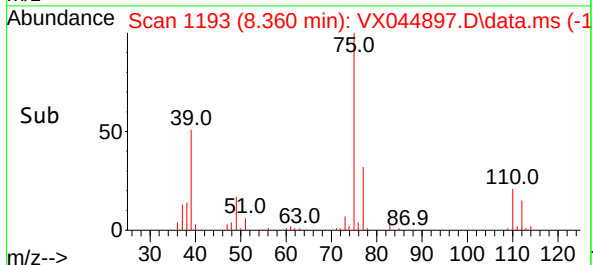
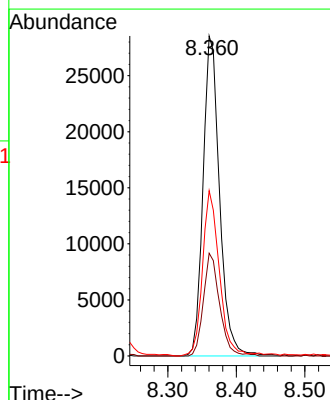
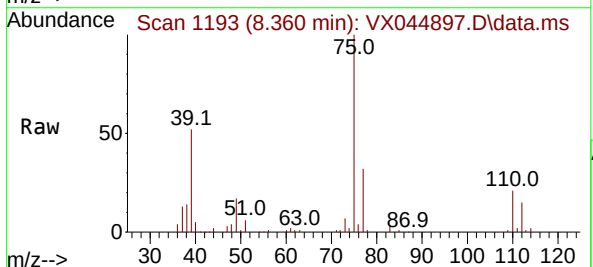
Tgt Ion: 75 Resp: 47877

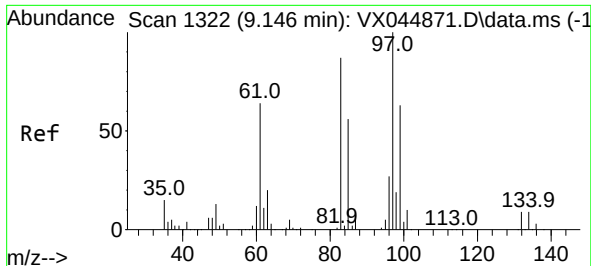
Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

39 51.7 40.0 60.0

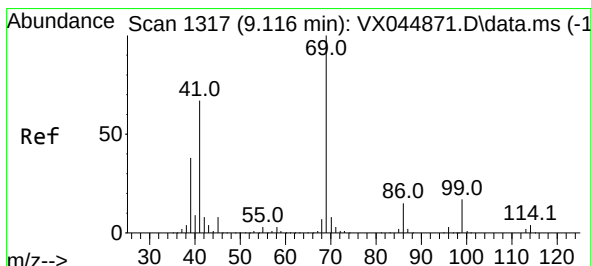
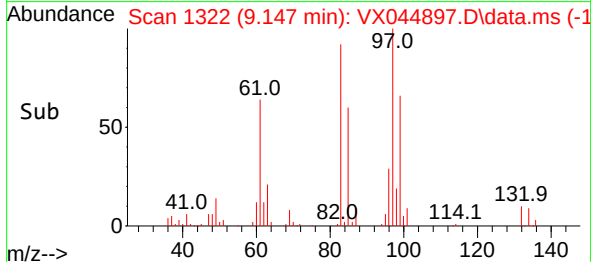
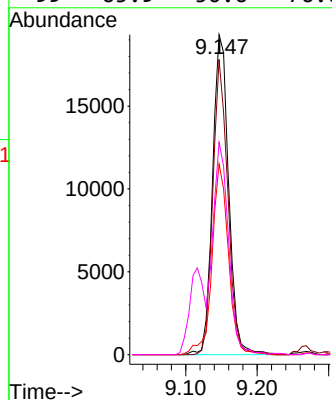
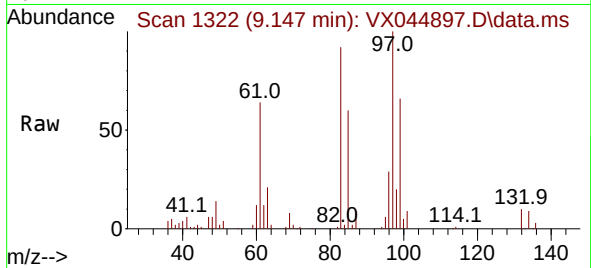




#55
1,1,2-Trichloroethane
Concen: 21.290 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

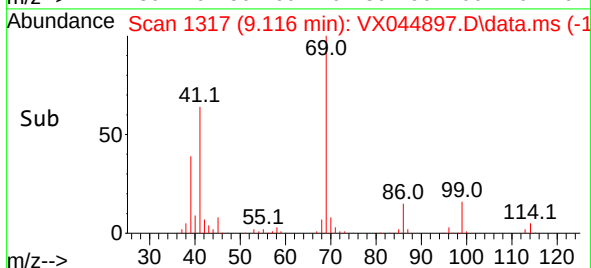
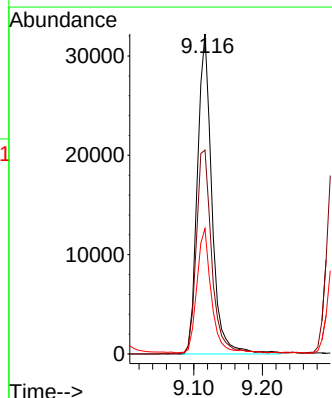
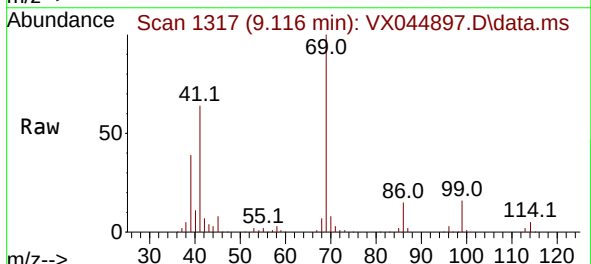
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

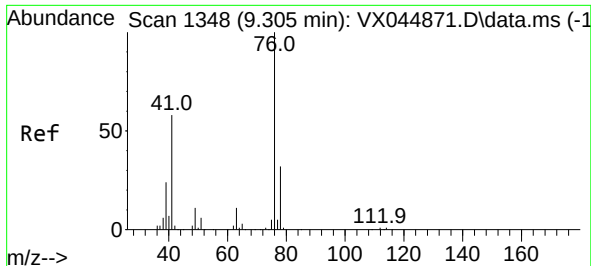
Tgt Ion:	97	Resp:	30181
Ion	Ratio	Lower	Upper
97	100		
83	92.3	69.8	104.6
85	59.6	44.8	67.2
99	65.9	50.6	76.0



#56
Ethyl methacrylate
Concen: 20.773 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:	69	Resp:	47561
Ion	Ratio	Lower	Upper
69	100		
41	68.5	55.2	82.8
39	39.0	30.8	46.2





#57

1,3-Dichloropropane

Concen: 20.832 ug/l

RT: 9.305 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

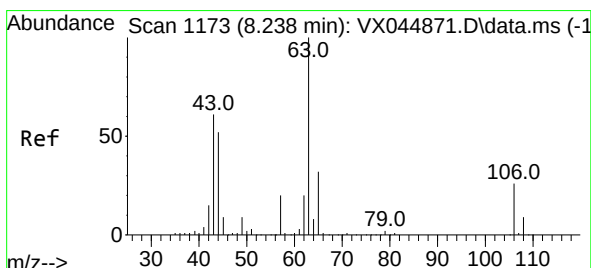
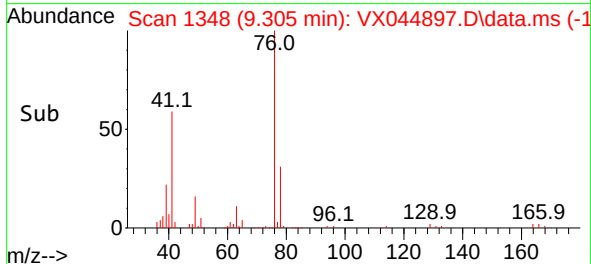
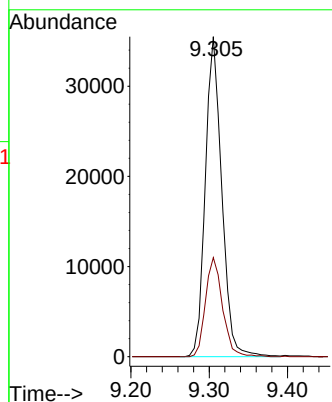
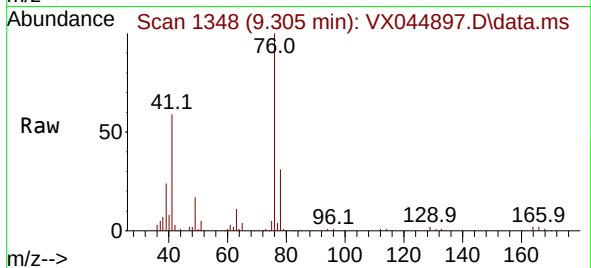
VX0211WBSD01

Tgt Ion: 76 Resp: 51672

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 96.512 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044897.D

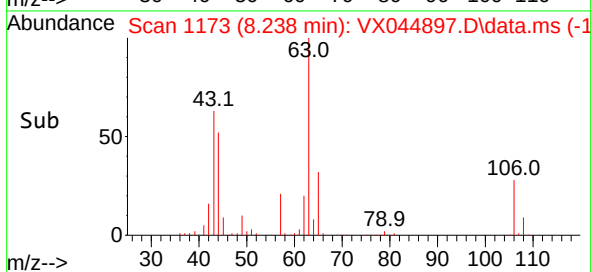
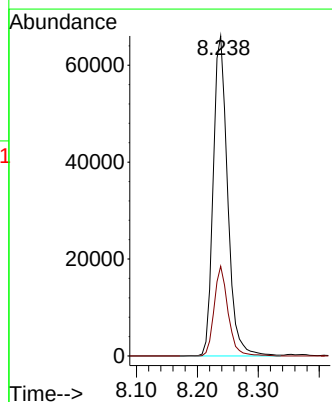
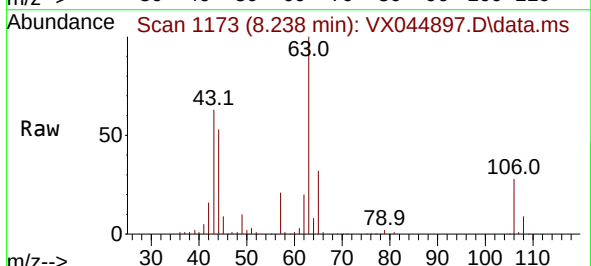
Acq: 11 Feb 2025 11:48

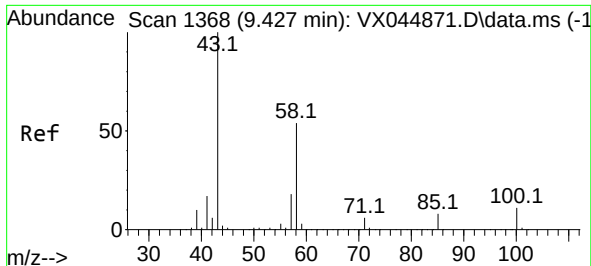
Tgt Ion: 63 Resp: 108500

Ion Ratio Lower Upper

63 100

106 27.0 21.3 31.9





#59

2-Hexanone

Concen: 107.751 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

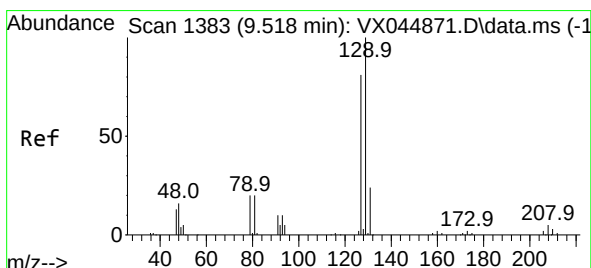
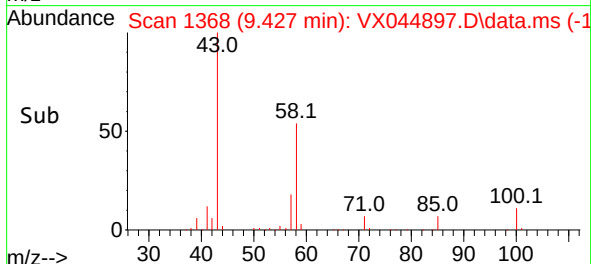
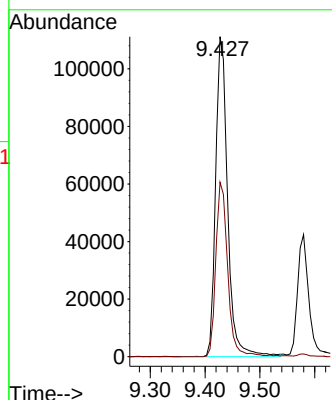
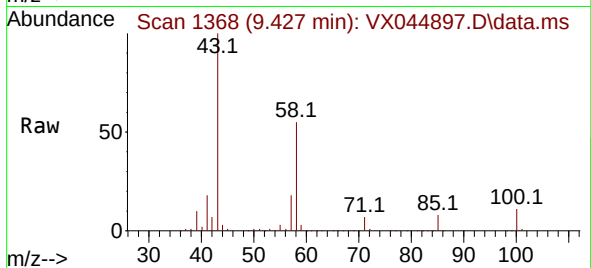
VX0211WBSD01

Tgt Ion: 43 Resp: 168110

Ion Ratio Lower Upper

43 100

58 54.1 27.5 82.4



#60

Dibromochloromethane

Concen: 20.976 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044897.D

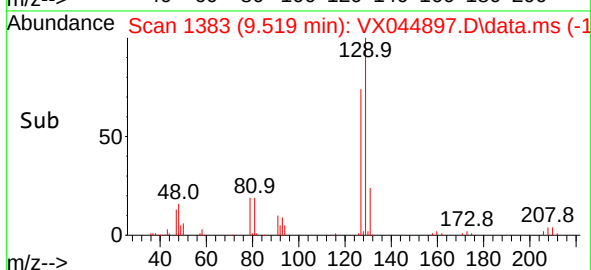
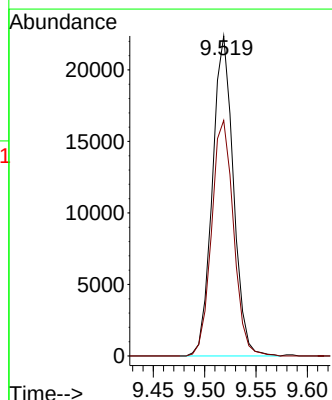
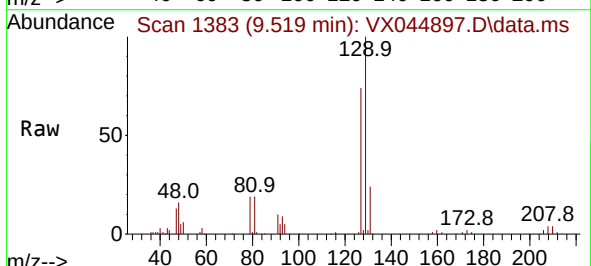
Acq: 11 Feb 2025 11:48

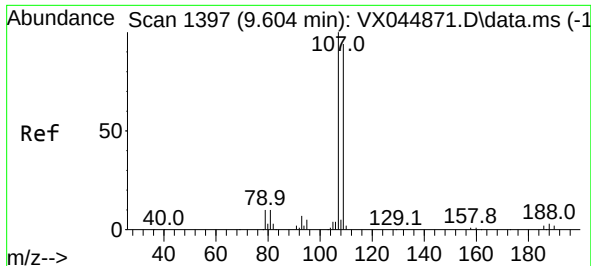
Tgt Ion: 129 Resp: 31801

Ion Ratio Lower Upper

129 100

127 76.9 39.1 117.3

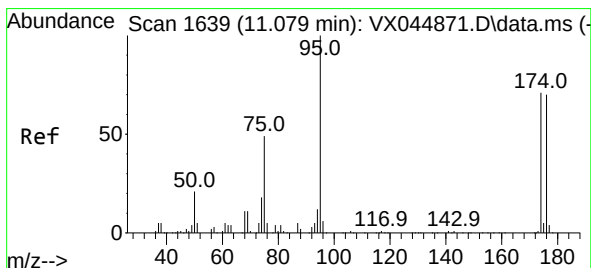
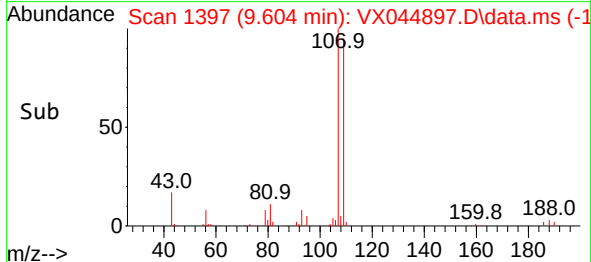
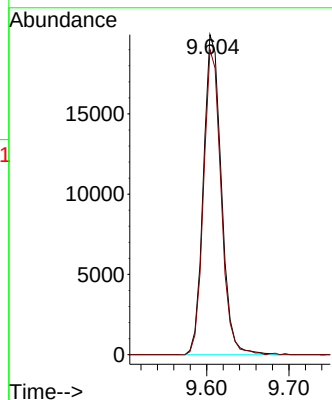
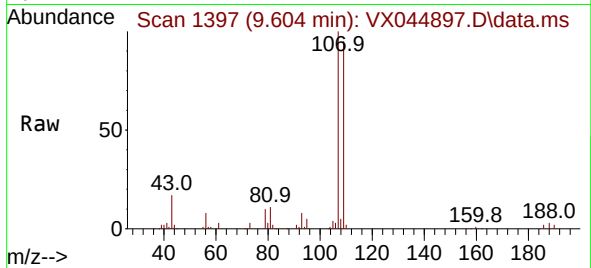




#61
1,2-Dibromoethane
Concen: 20.999 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

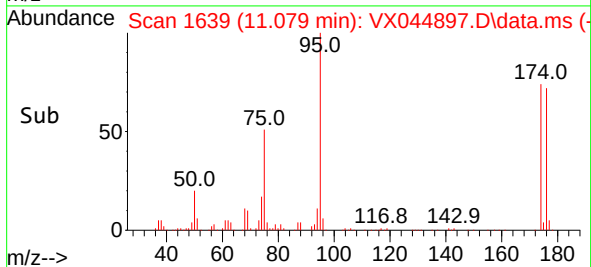
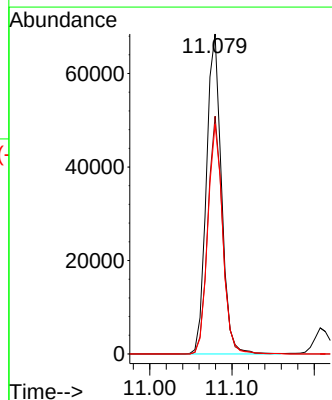
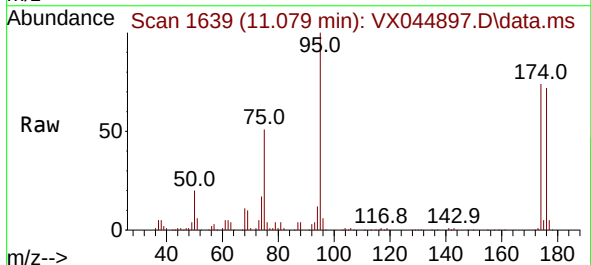
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

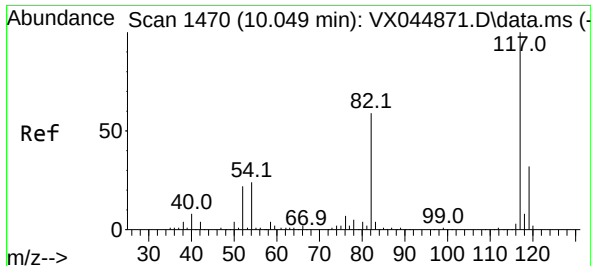
Tgt Ion:107 Resp: 30172
Ion Ratio Lower Upper
107 100
109 93.0 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 49.646 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 95 Resp: 86989
Ion Ratio Lower Upper
95 100
174 72.5 0.0 142.6
176 70.8 0.0 141.6

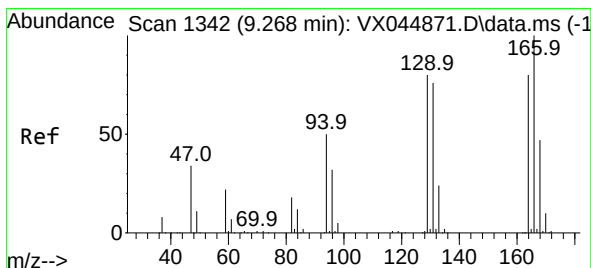
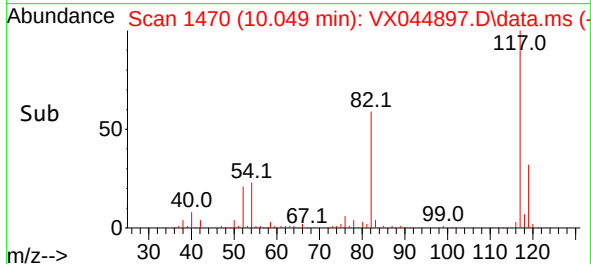
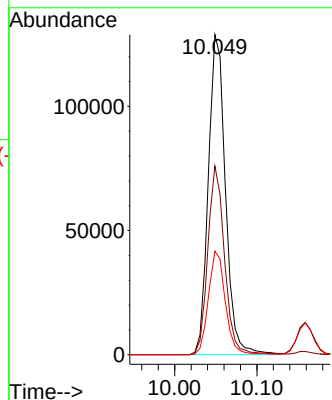
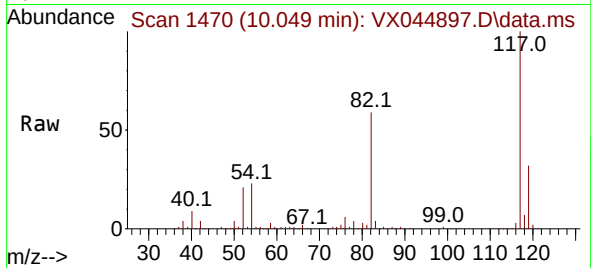




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

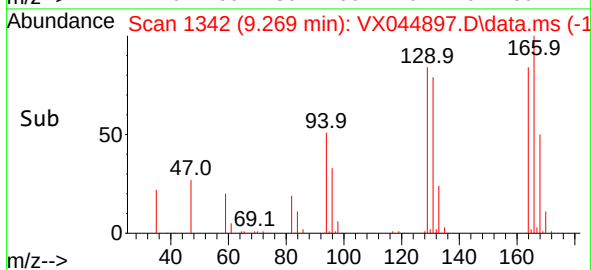
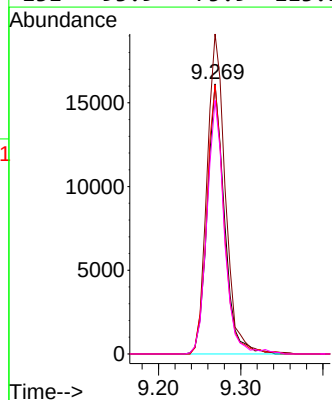
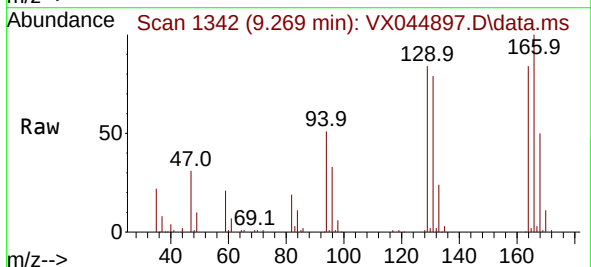
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

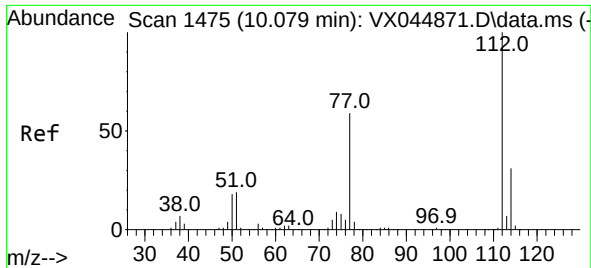
Tgt Ion:117 Resp: 186335
Ion Ratio Lower Upper
117 100
82 59.0 47.5 71.3
119 32.3 25.4 38.0



#64
Tetrachloroethene
Concen: 19.978 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:164 Resp: 23477
Ion Ratio Lower Upper
164 100
166 118.5 100.4 150.6
129 99.7 79.9 119.9
131 93.9 75.9 113.9

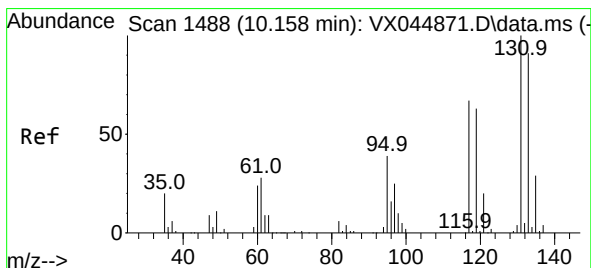
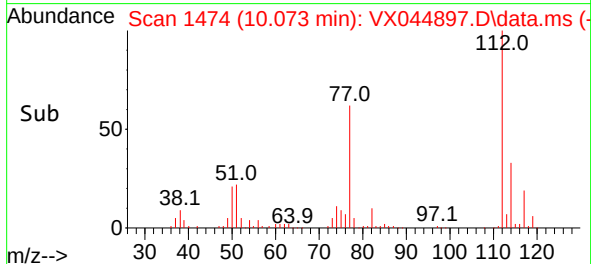
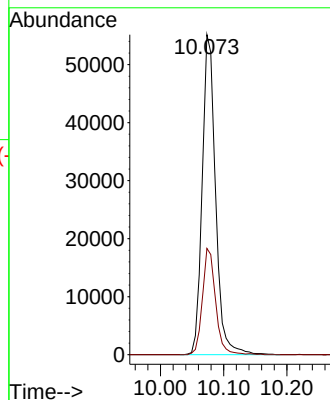
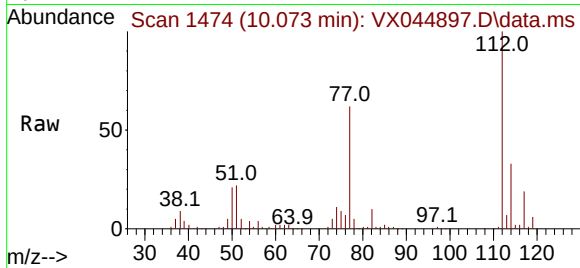




#65
Chlorobenzene
Concen: 20.314 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

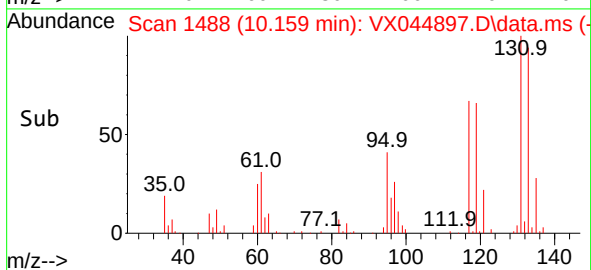
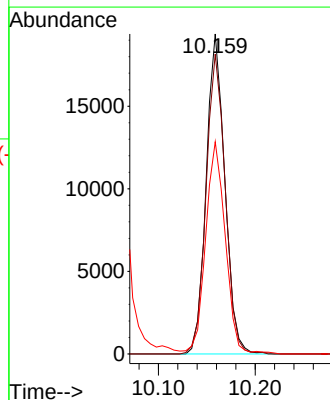
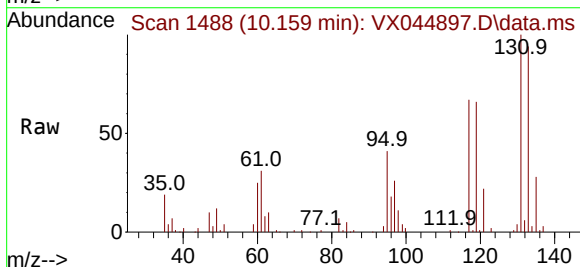
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

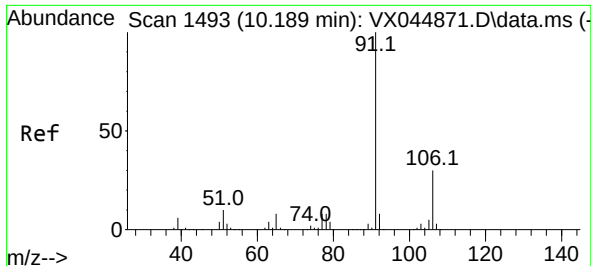
Tgt Ion:112 Resp: 81300
Ion Ratio Lower Upper
112 100
114 33.2 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.152 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:131 Resp: 25959
Ion Ratio Lower Upper
131 100
133 96.4 47.1 141.3
119 70.3 33.6 100.6





#67

Ethyl Benzene

Concen: 20.515 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

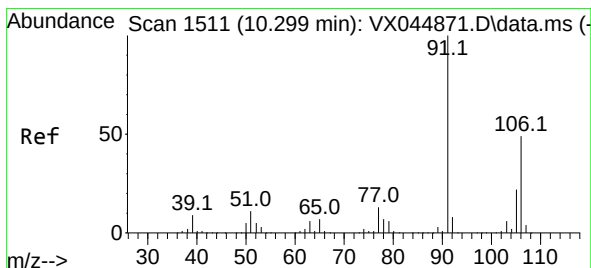
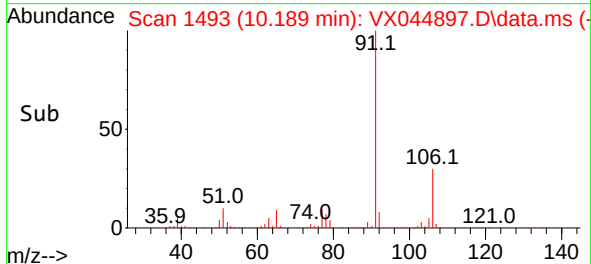
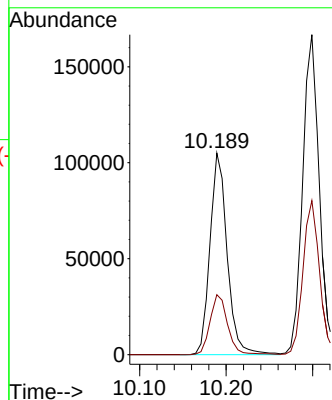
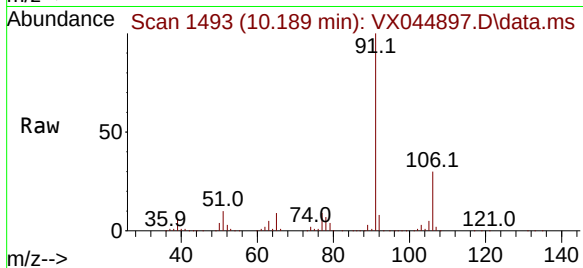
VX0211WBSD01

Tgt Ion: 91 Resp: 144888

Ion Ratio Lower Upper

91 100

106 29.8 23.9 35.9



#68

m/p-Xylenes

Concen: 41.738 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044897.D

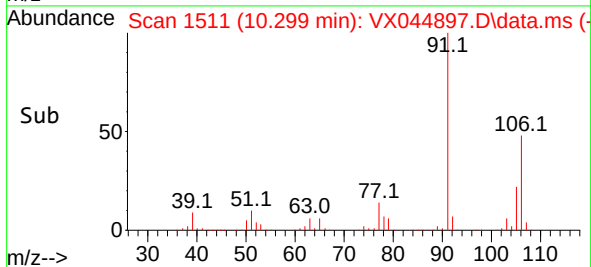
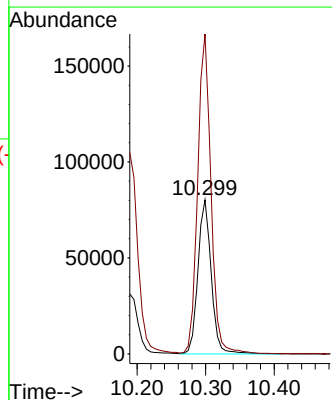
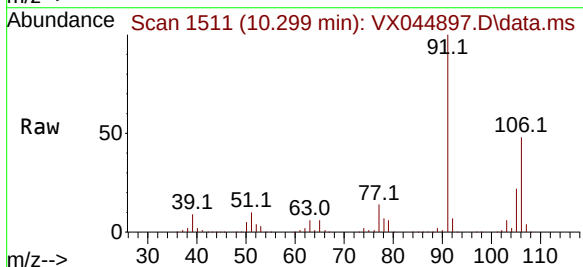
Acq: 11 Feb 2025 11:48

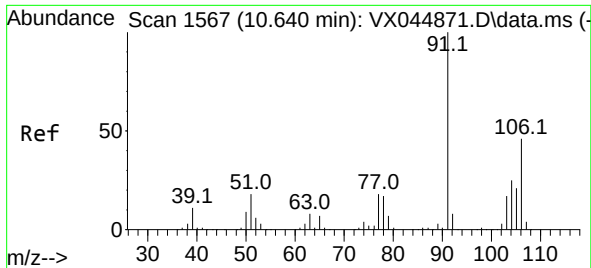
Tgt Ion:106 Resp: 108740

Ion Ratio Lower Upper

106 100

91 207.1 164.3 246.5

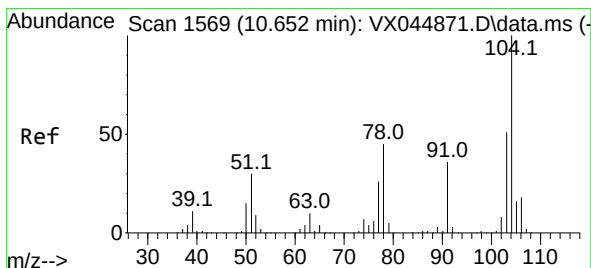
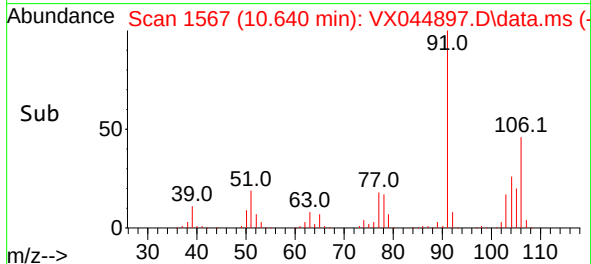
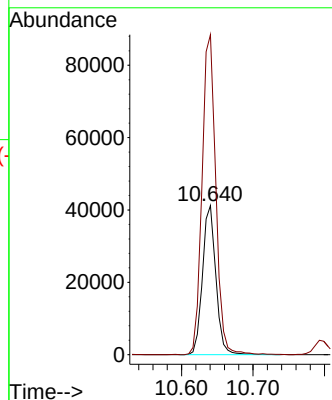
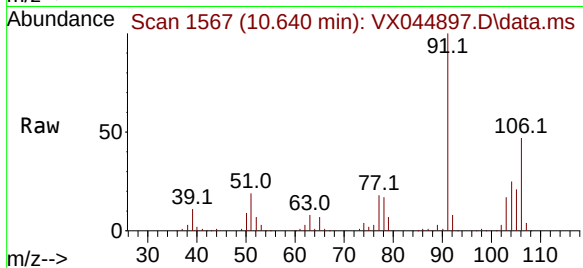




#69
o-Xylene
Concen: 20.464 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

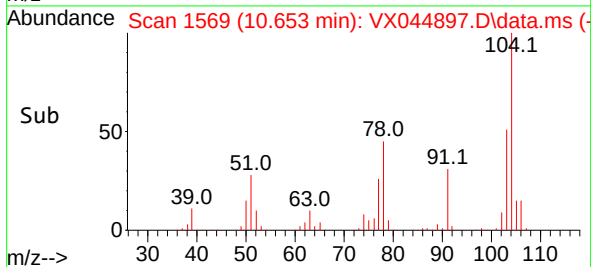
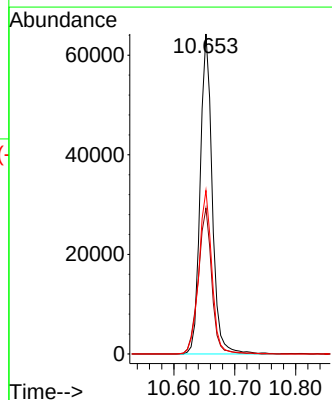
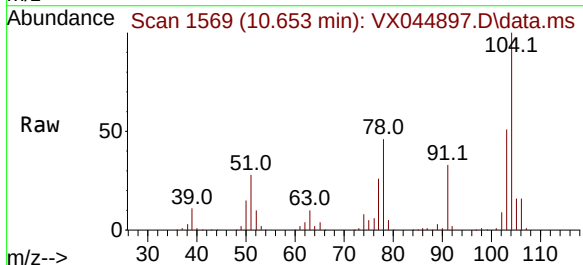
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

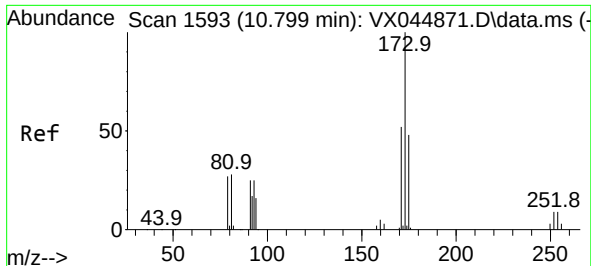
Tgt Ion:106 Resp: 53496
Ion Ratio Lower Upper
106 100
91 220.4 108.5 325.5



#70
Styrene
Concen: 20.896 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:104 Resp: 88009
Ion Ratio Lower Upper
104 100
78 50.9 40.5 60.7
103 55.6 43.6 65.4

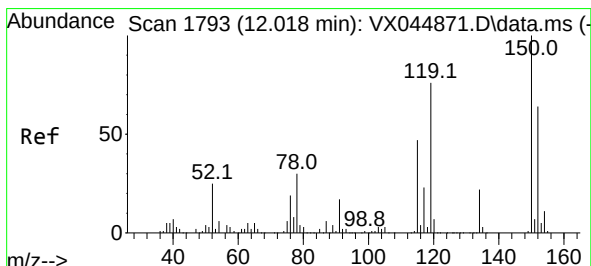
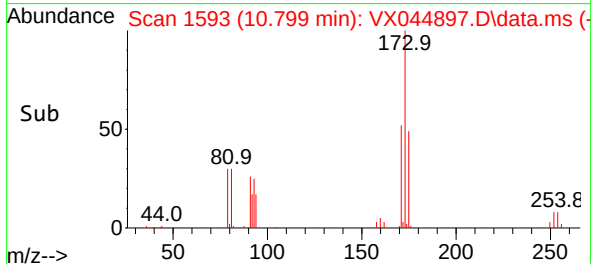
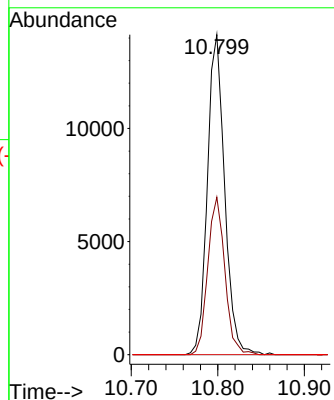
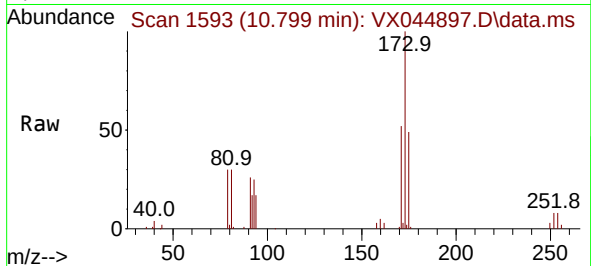




#71
Bromoform
Concen: 20.357 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

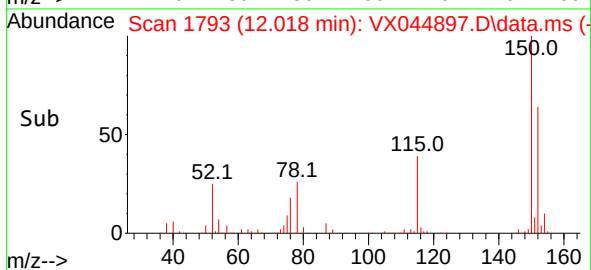
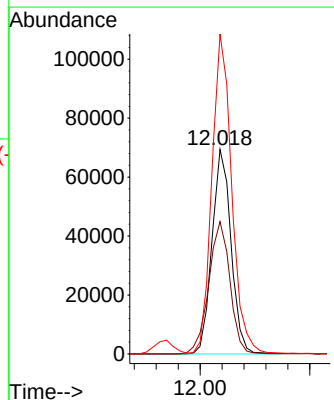
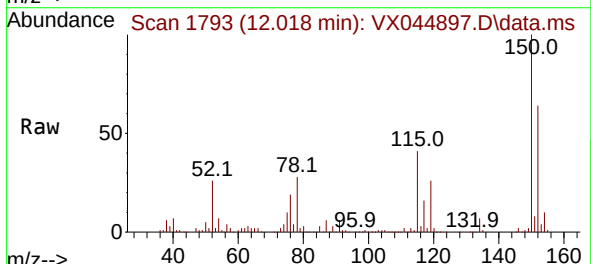
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

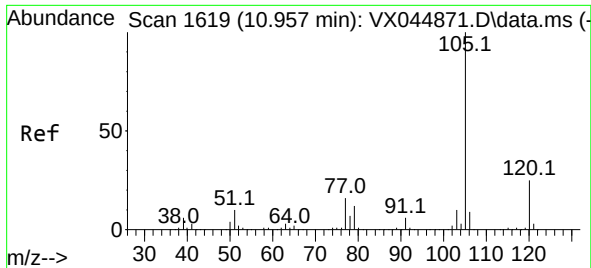
Tgt Ion:173 Resp: 19571
Ion Ratio Lower Upper
173 100
175 48.8 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:152 Resp: 83644
Ion Ratio Lower Upper
152 100
115 72.1 43.4 130.1
150 163.2 0.0 350.4

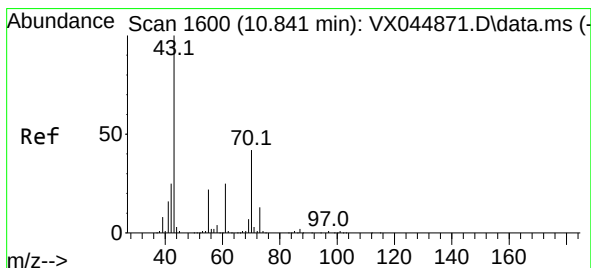
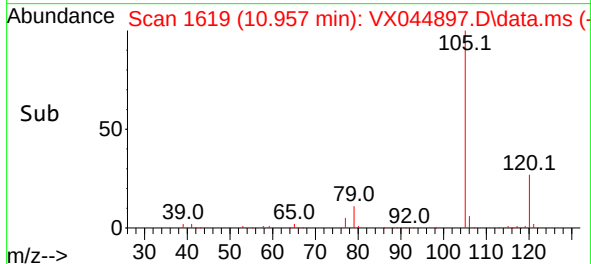
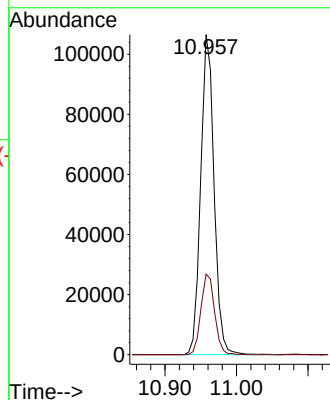
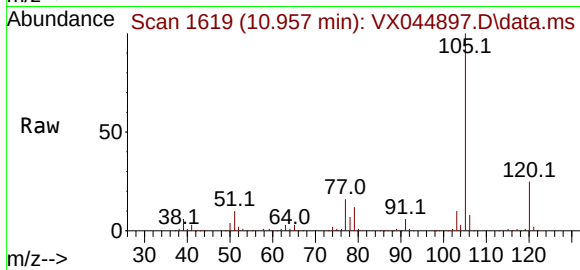




#73
Isopropylbenzene
Concen: 20.488 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

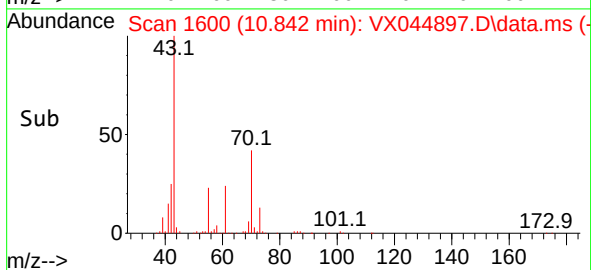
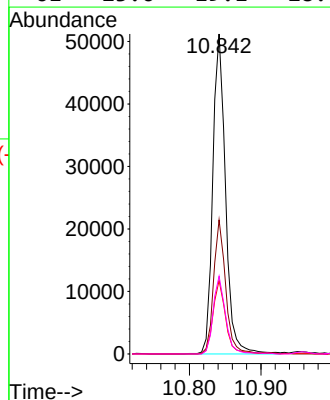
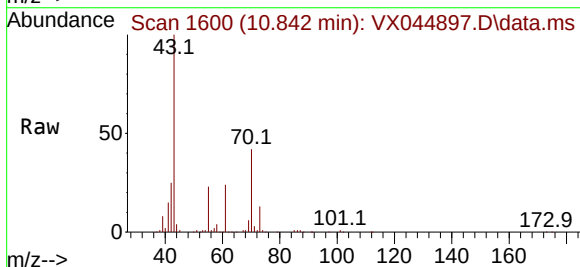
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

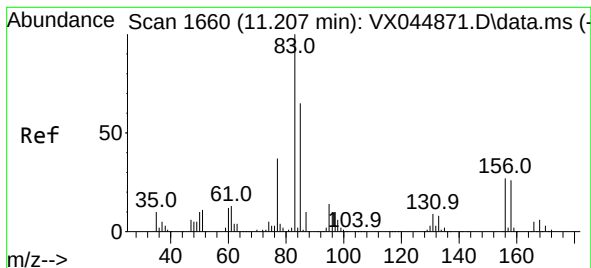
Tgt Ion:105 Resp: 137984
Ion Ratio Lower Upper
105 100
120 25.8 13.2 39.5



#74
N-ethyl acetate
Concen: 20.774 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 43 Resp: 63313
Ion Ratio Lower Upper
43 100
70 40.3 33.7 50.5
55 22.5 18.6 27.8
61 23.6 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.381 ug/l

RT: 11.207 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

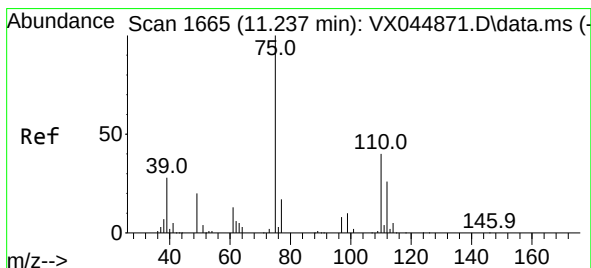
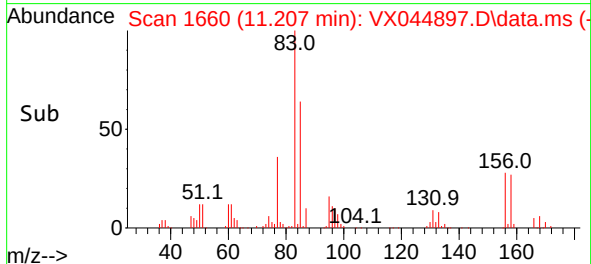
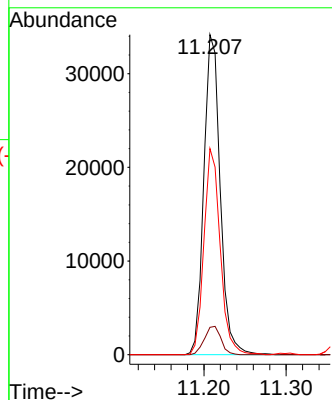
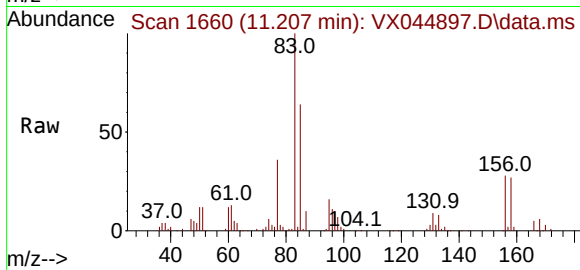
Tgt Ion: 83 Resp: 47168

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.5

85 64.0 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 26.163 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX044897.D

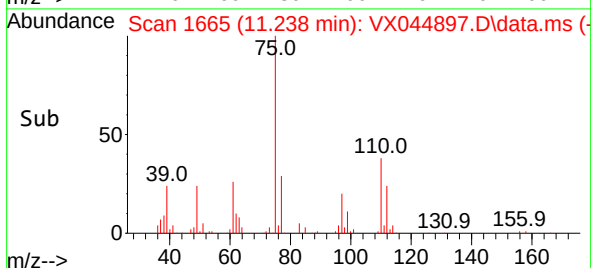
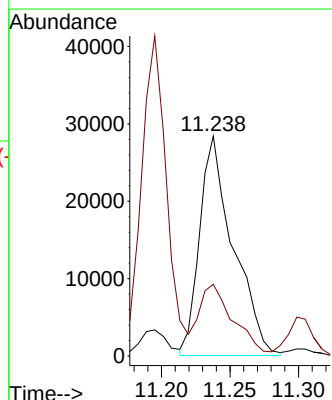
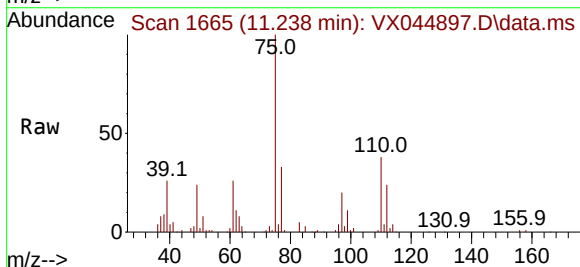
Acq: 11 Feb 2025 11:48

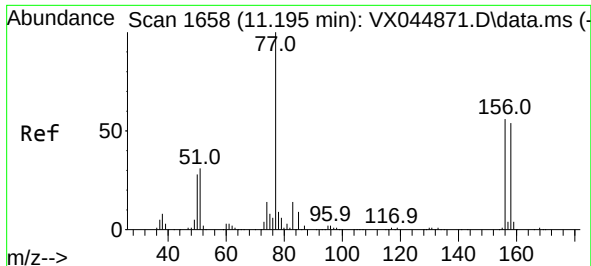
Tgt Ion: 75 Resp: 48520

Ion Ratio Lower Upper

75 100

77 33.3 21.9 65.7

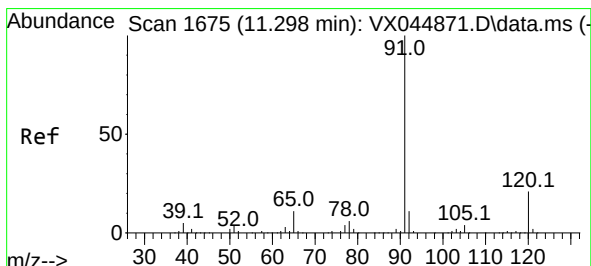
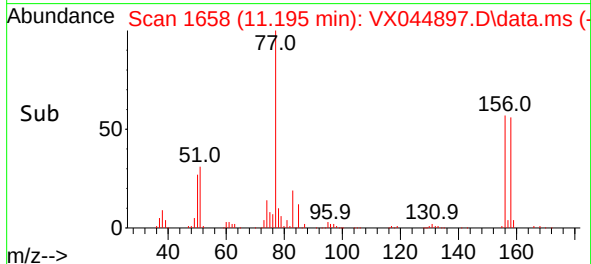
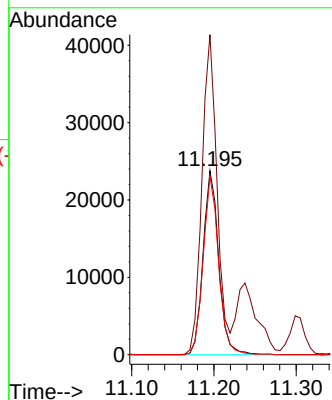
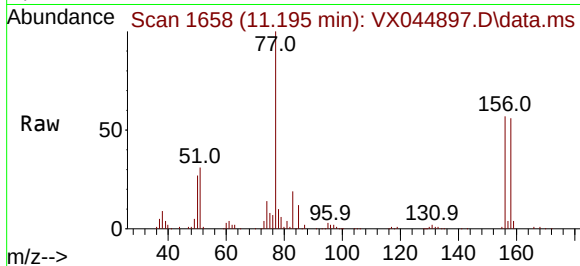




#77
Bromobenzene
Concen: 20.605 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

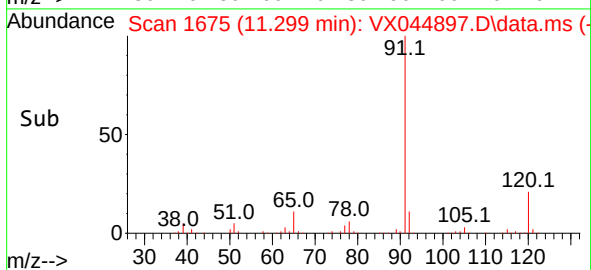
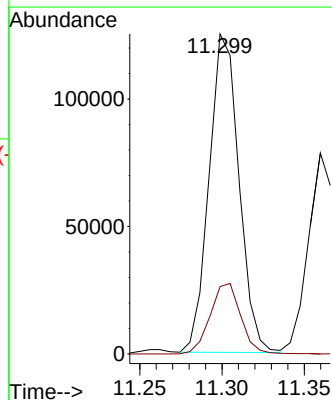
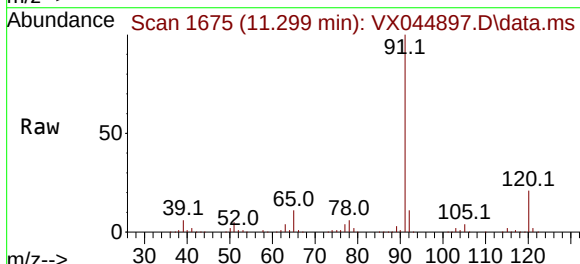
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

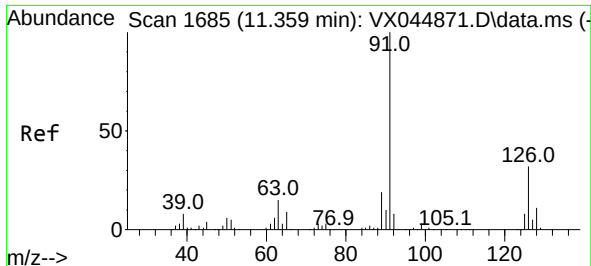
Tgt Ion:156 Resp: 31462
Ion Ratio Lower Upper
156 100
77 168.3 88.4 265.3
158 95.7 48.4 145.2



#78
n-propylbenzene
Concen: 20.300 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 91 Resp: 157806
Ion Ratio Lower Upper
91 100
120 22.7 11.1 33.3





#79

2-Chlorotoluene

Concen: 20.179 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

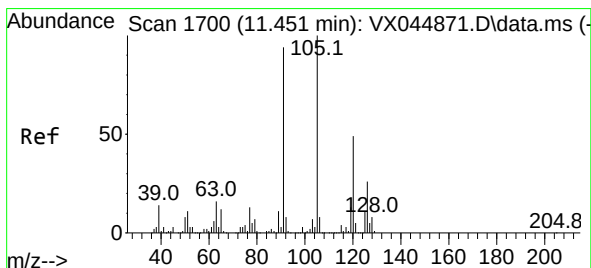
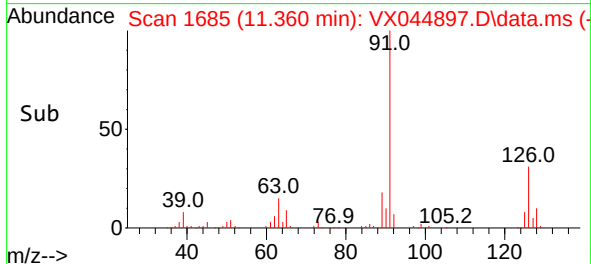
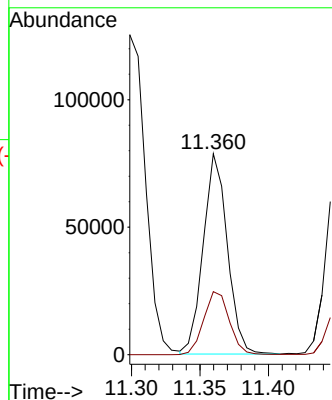
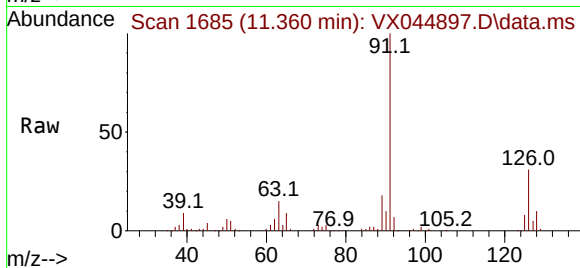
VX0211WBSD01

Tgt Ion: 91 Resp: 96410

Ion Ratio Lower Upper

91 100

126 33.5 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 20.797 ug/l

RT: 11.445 min Scan# 1699

Delta R.T. -0.006 min

Lab File: VX044897.D

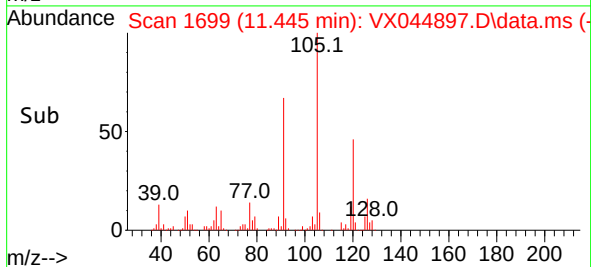
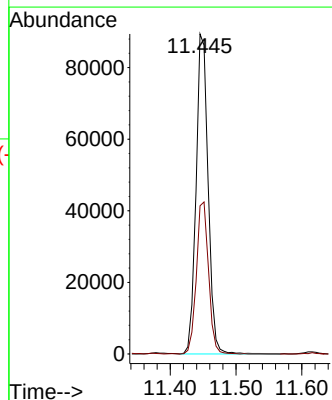
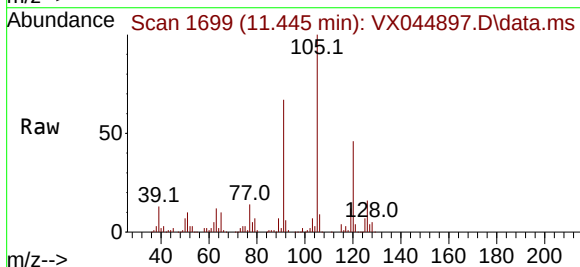
Acq: 11 Feb 2025 11:48

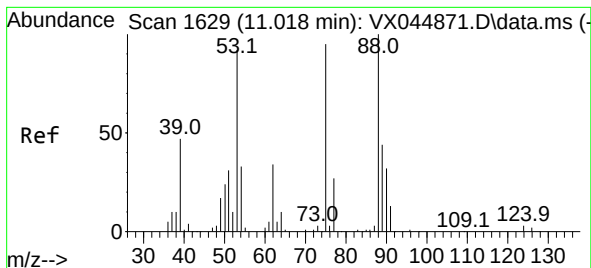
Tgt Ion:105 Resp: 113664

Ion Ratio Lower Upper

105 100

120 48.0 24.0 72.0

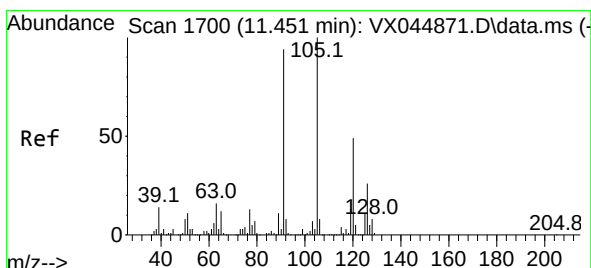
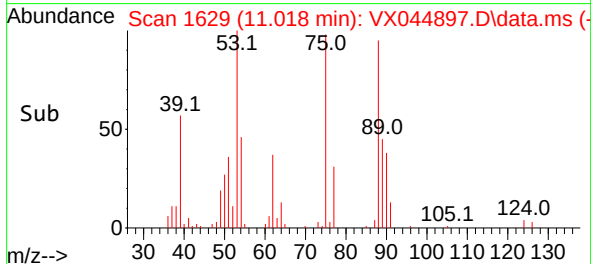
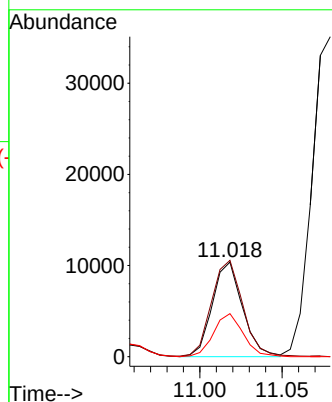
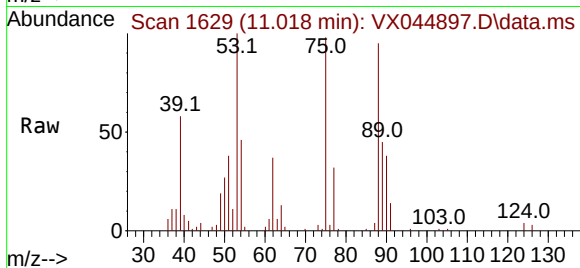




#81
trans-1,4-Dichloro-2-butene
Concen: 18.351 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

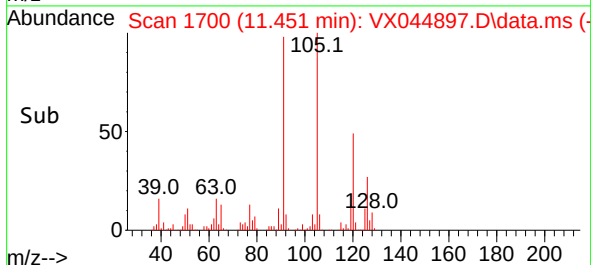
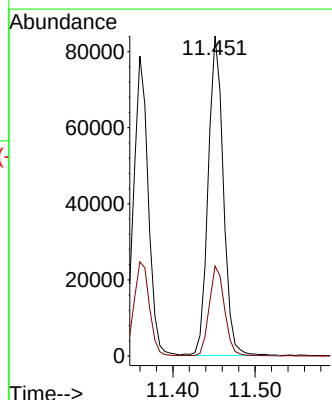
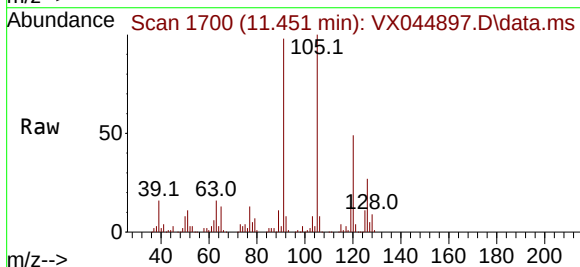
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

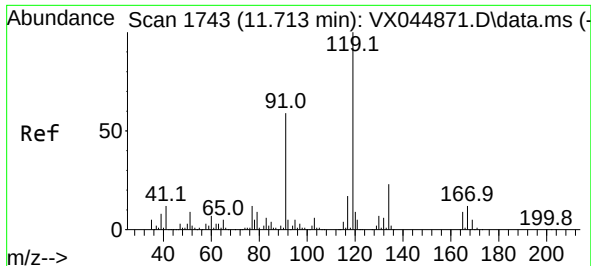
Tgt Ion: 75 Resp: 13230
Ion Ratio Lower Upper
75 100
53 106.1 78.0 117.0
89 44.8 36.6 54.8



#82
4-Chlorotoluene
Concen: 20.331 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 91 Resp: 107461
Ion Ratio Lower Upper
91 100
126 28.5 14.2 42.6

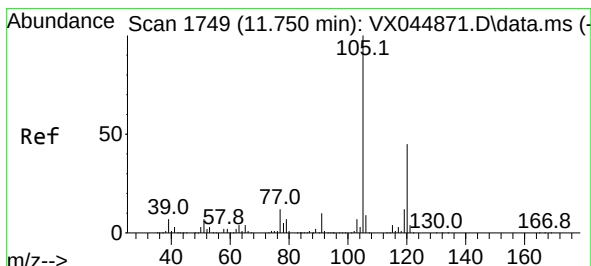
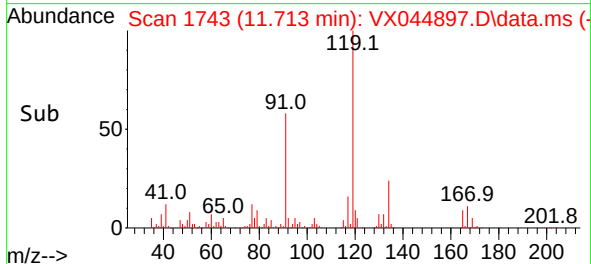
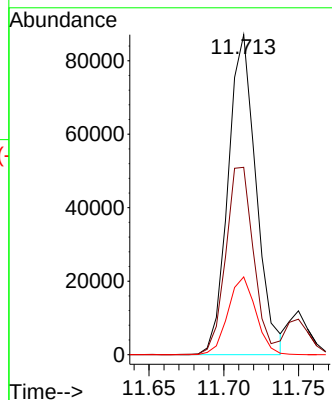
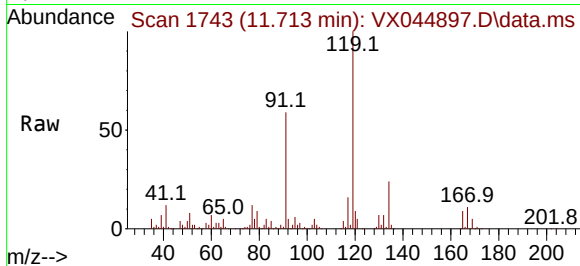




#83
 tert-Butylbenzene
 Concen: 20.520 ug/l
 RT: 11.713 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044897.D
 Acq: 11 Feb 2025 11:48

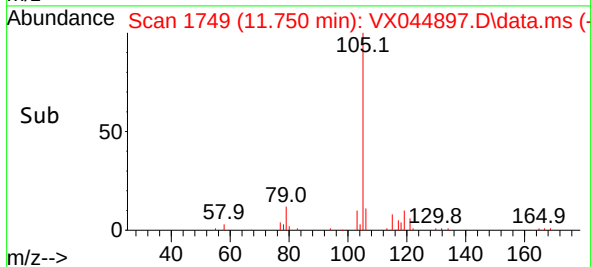
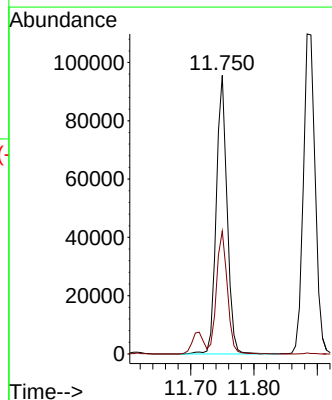
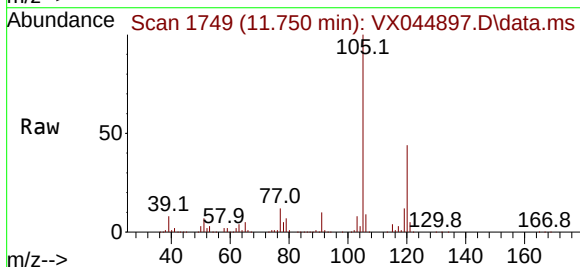
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBSD01

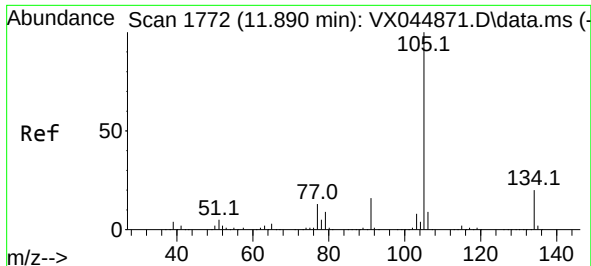
Tgt Ion:119 Resp: 113453
 Ion Ratio Lower Upper
 119 100
 91 58.0 29.1 87.4
 134 24.1 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.996 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX044897.D
 Acq: 11 Feb 2025 11:48

Tgt Ion:105 Resp: 113257
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.4 67.0

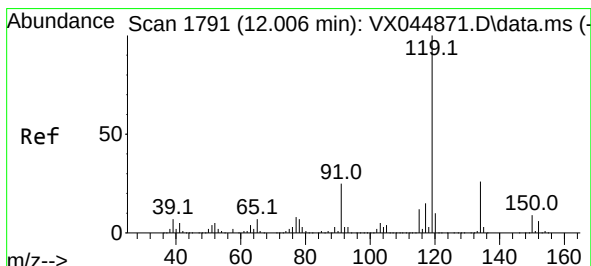
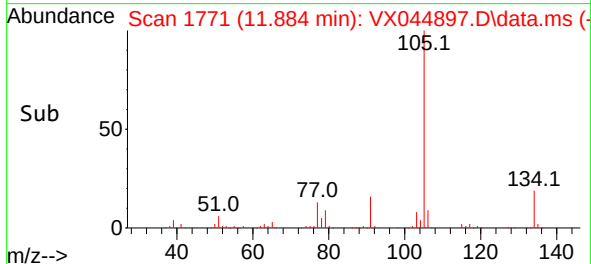
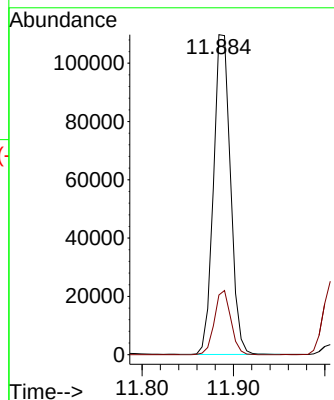
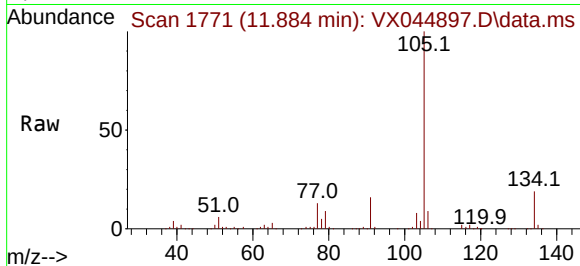




#85
 sec-Butylbenzene
 Concen: 20.693 ug/l
 RT: 11.884 min Scan# 1771
 Delta R.T. -0.006 min
 Lab File: VX044897.D
 Acq: 11 Feb 2025 11:48

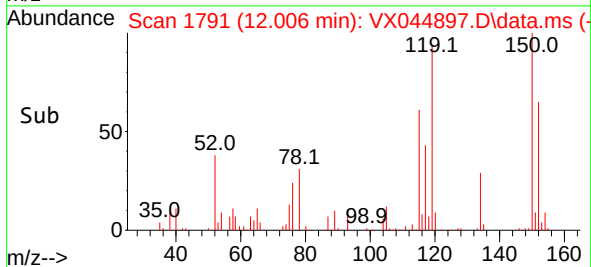
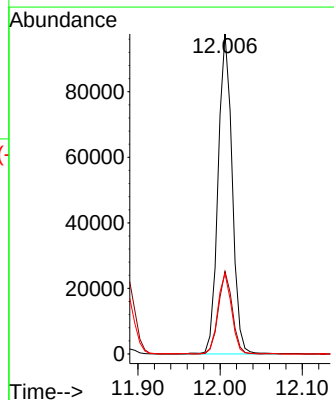
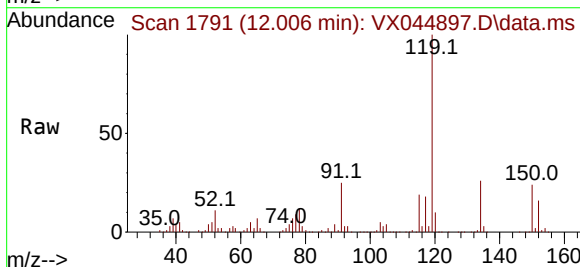
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBSD01

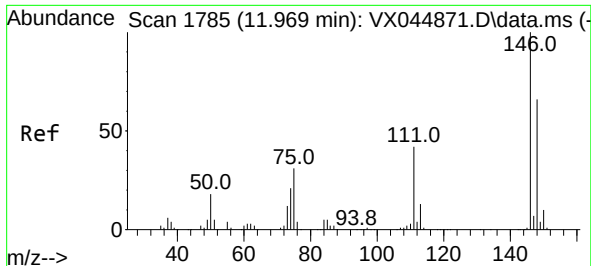
Tgt Ion:105 Resp: 141678
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 21.047 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044897.D
 Acq: 11 Feb 2025 11:48

Tgt Ion:119 Resp: 115883
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.0 38.9
 91 24.7 12.1 36.3

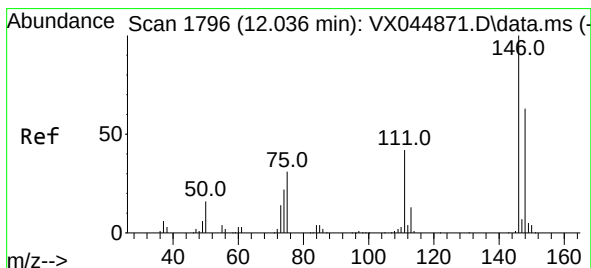
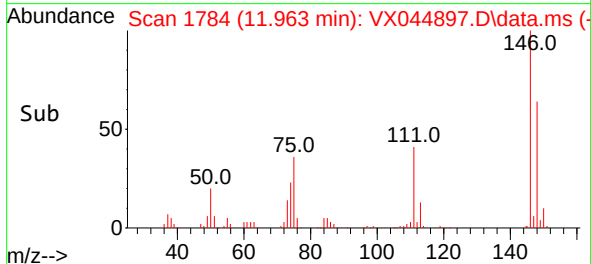
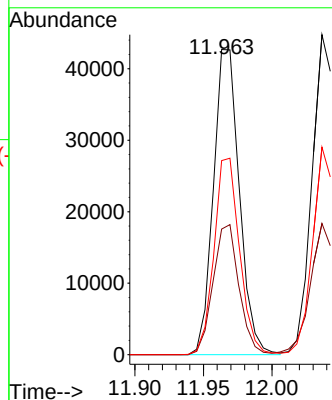
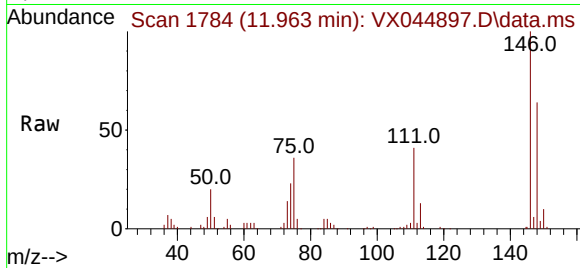




#87
 1,3-Dichlorobenzene
 Concen: 20.087 ug/l
 RT: 11.963 min Scan# 1784
 Delta R.T. -0.006 min
 Lab File: VX044897.D
 Acq: 11 Feb 2025 11:48

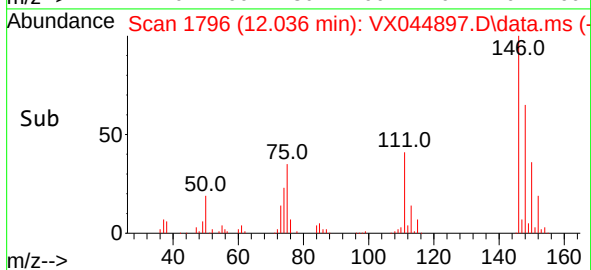
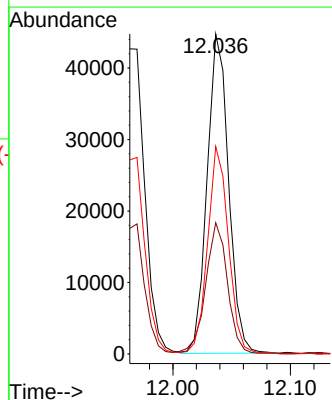
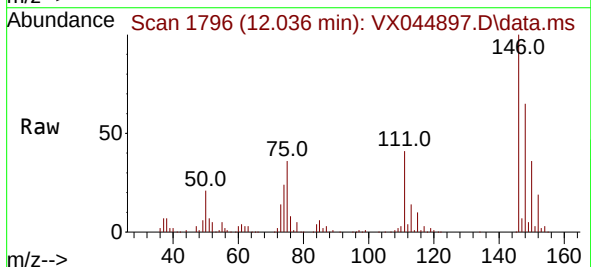
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBSD01

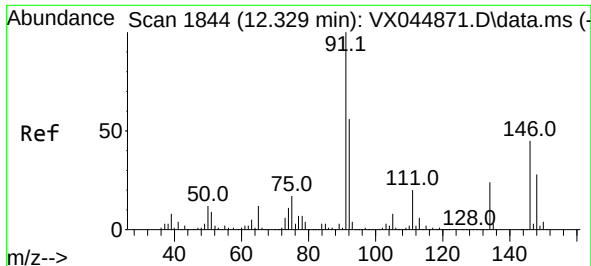
Tgt Ion:146 Resp: 56403
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.2 63.6
 148 63.4 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.998 ug/l
 RT: 12.036 min Scan# 1796
 Delta R.T. 0.000 min
 Lab File: VX044897.D
 Acq: 11 Feb 2025 11:48

Tgt Ion:146 Resp: 56774
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.4 61.3
 148 63.2 32.0 96.0





#89

n-Butylbenzene

Concen: 20.774 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044897.D

Acq: 11 Feb 2025 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX0211WBSD01

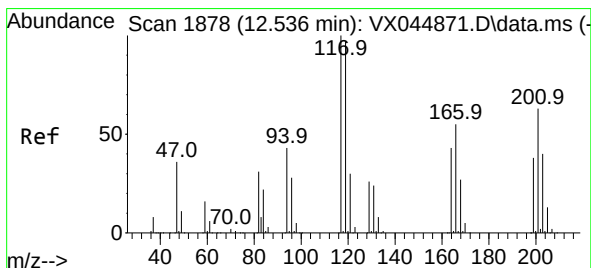
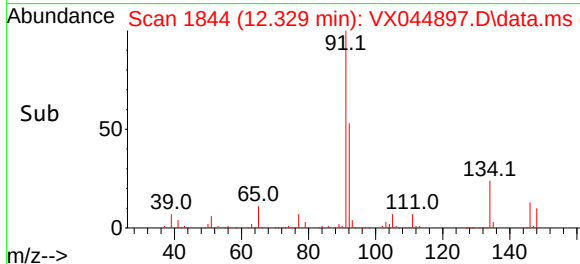
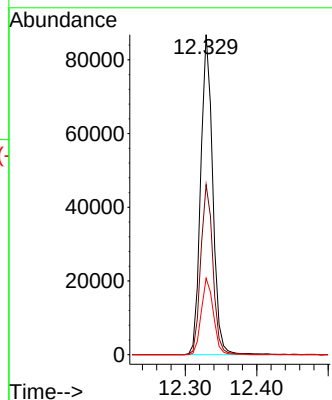
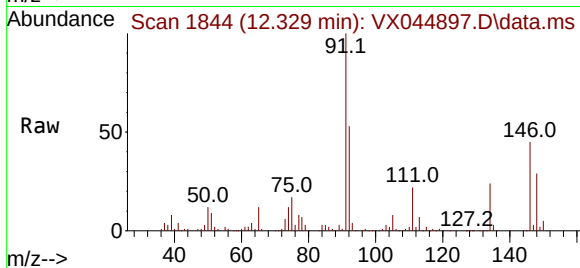
Tgt Ion: 91 Resp: 101189

Ion Ratio Lower Upper

91 100

92 53.7 27.2 81.6

134 24.1 12.1 36.3



#90

Hexachloroethane

Concen: 19.608 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044897.D

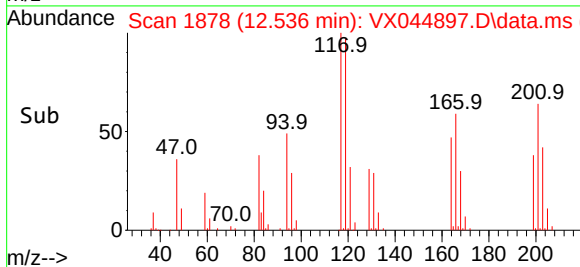
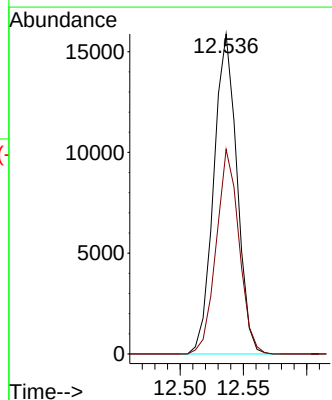
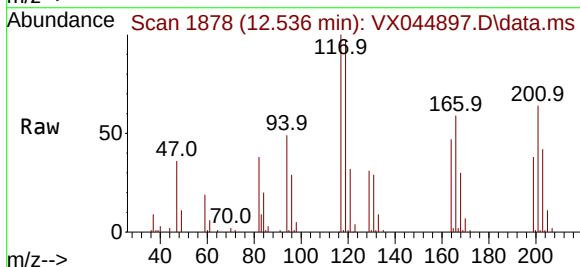
Acq: 11 Feb 2025 11:48

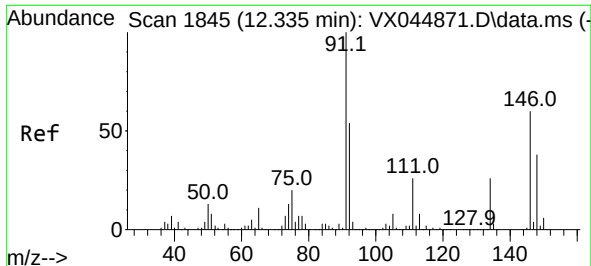
Tgt Ion: 117 Resp: 20215

Ion Ratio Lower Upper

117 100

201 63.0 32.5 97.5

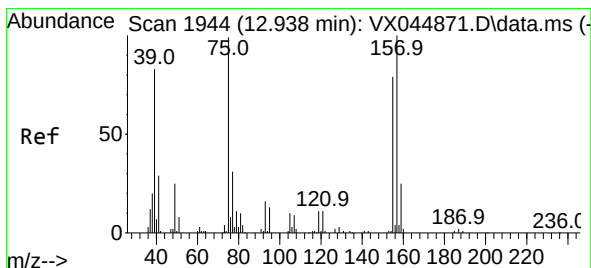
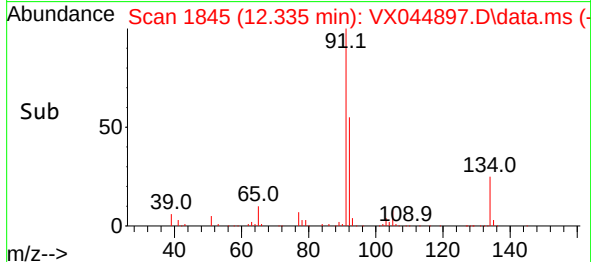
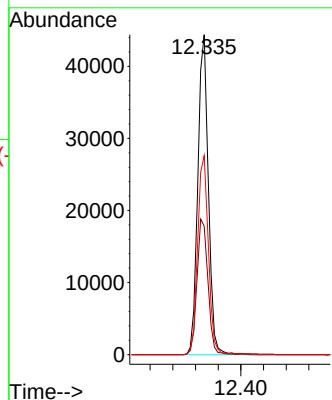
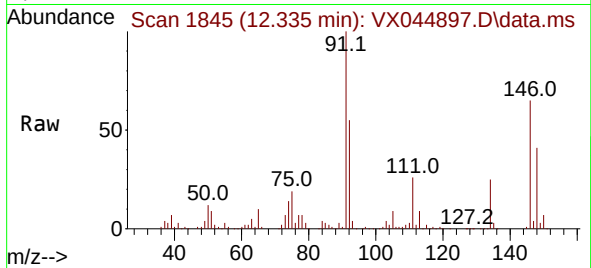




#91
1,2-Dichlorobenzene
Concen: 20.783 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

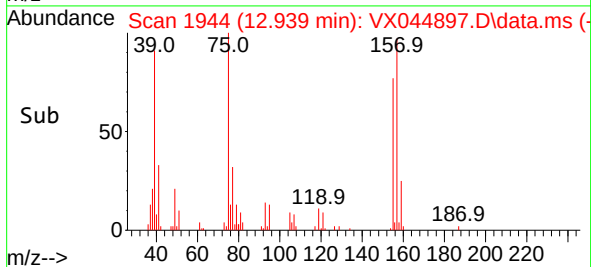
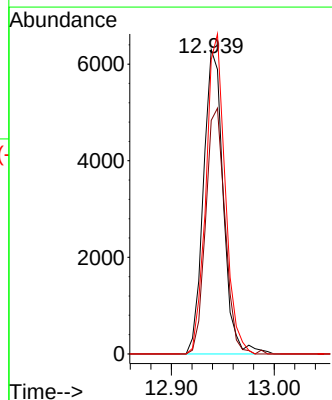
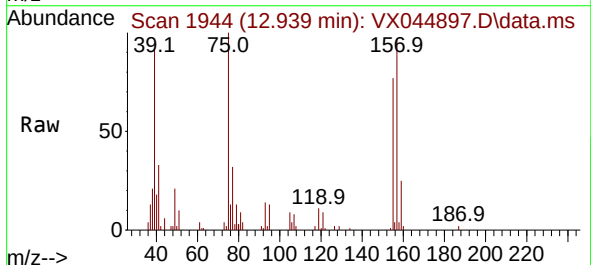
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

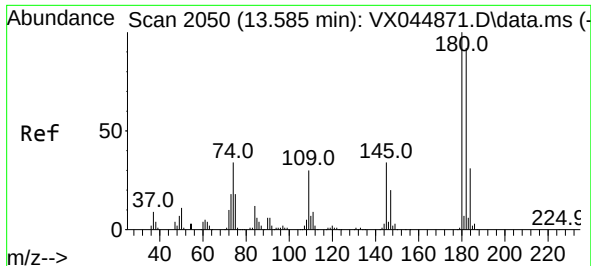
Tgt Ion:146 Resp: 57355
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.4
148 63.5 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.963 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion: 75 Resp: 8432
Ion Ratio Lower Upper
75 100
155 79.0 40.5 121.4
157 101.6 51.4 154.3

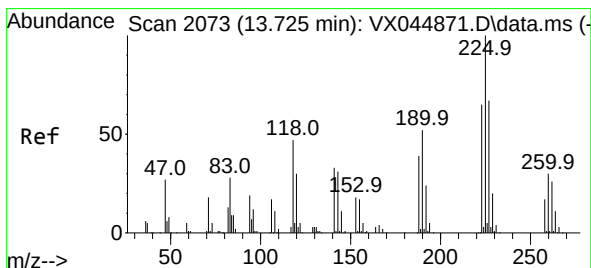
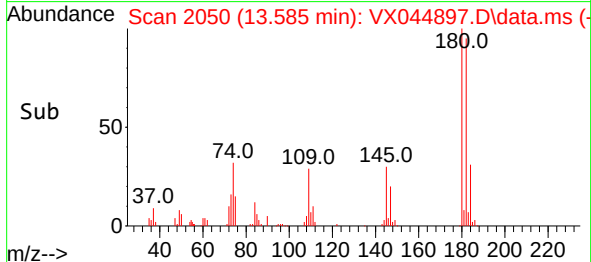
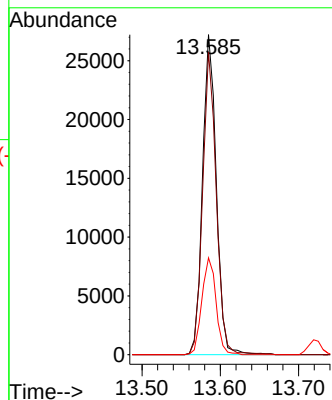
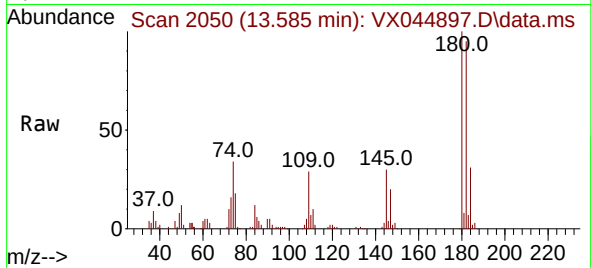




#93
1,2,4-Trichlorobenzene
Concen: 19.913 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

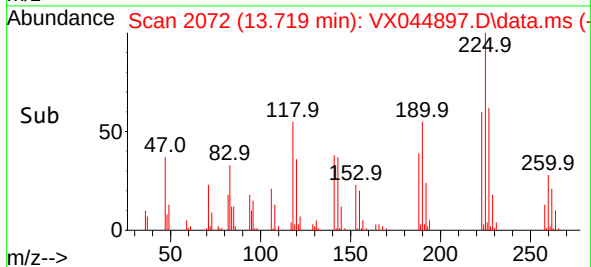
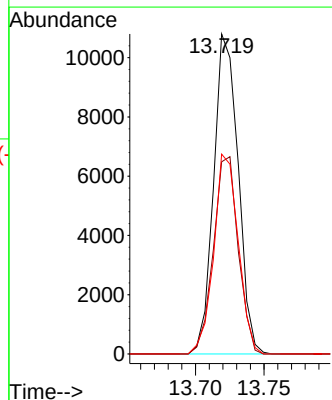
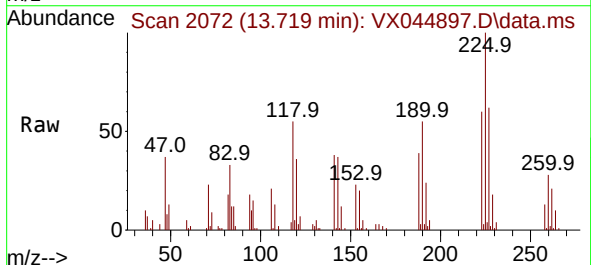
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

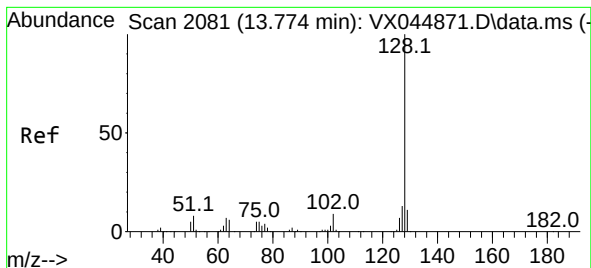
Tgt Ion:180 Resp: 33252
Ion Ratio Lower Upper
180 100
182 93.3 47.6 142.8
145 31.1 16.4 49.1



#94
Hexachlorobutadiene
Concen: 20.176 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:225 Resp: 13375
Ion Ratio Lower Upper
225 100
223 62.6 31.4 94.2
227 62.6 32.3 96.8

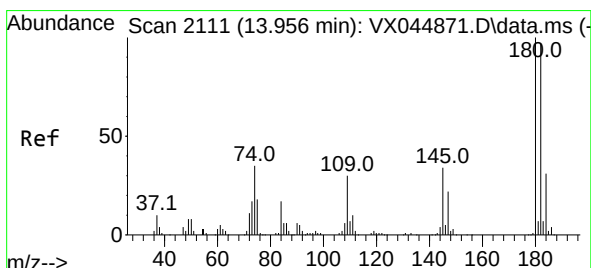
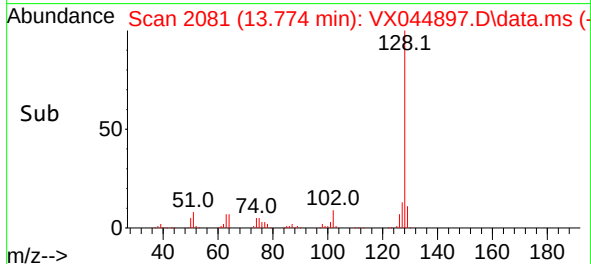
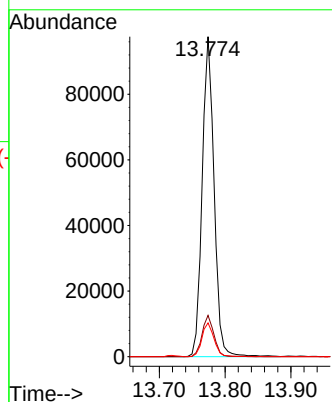
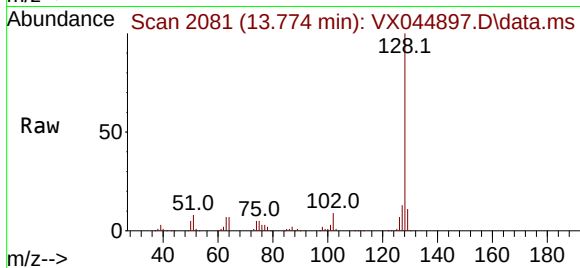




#95
Naphthalene
Concen: 20.324 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

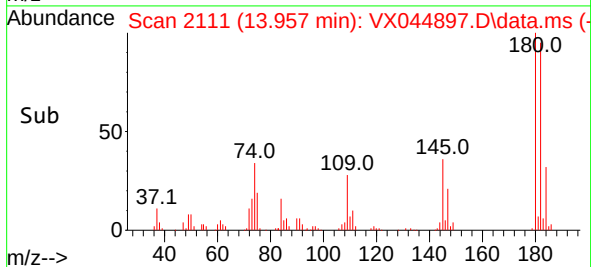
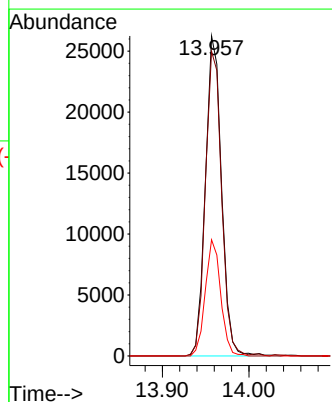
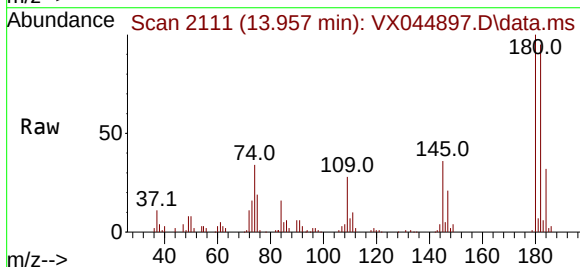
Instrument :
MSVOA_X
ClientSampleId :
VX0211WBSD01

Tgt Ion:	128	Resp:	122681
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.8	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 20.124 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044897.D
Acq: 11 Feb 2025 11:48

Tgt Ion:	180	Resp:	33862
Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.6
145	34.8	17.1	51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044918.D
 Acq On : 11 Feb 2025 19:50
 Operator : JC/MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0050EC

Quant Time: Feb 12 02:47:38 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	114065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	208728	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	185334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80910	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87095	52.162	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.320%	
35) Dibromofluoromethane	5.379	113	69917	51.520	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.040%	
50) Toluene-d8	8.647	98	262476	51.148	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.300%	
62) 4-Bromofluorobenzene	11.079	95	90574	52.355	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.720%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	79061	49.419	ug/l	99
3) Chloromethane	1.301	50	92827	47.674	ug/l	96
4) Vinyl Chloride	1.374	62	92352	48.959	ug/l	100
5) Bromomethane	1.593	94	28374	50.267	ug/l	95
6) Chloroethane	1.660	64	30841	40.693	ug/l	100
7) Trichlorofluoromethane	1.868	101	116867	48.991	ug/l	100
8) Diethyl Ether	2.136	74	42851	49.531	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	70557	48.954	ug/l	99
10) Methyl Iodide	2.441	142	95185	50.957	ug/l	100
11) Tert butyl alcohol	2.995	59	77516	250.247	ug/l #	84
12) 1,1-Dichloroethene	2.307	96	71063	48.335	ug/l	95
13) Acrolein	2.233	56	84172	263.373	ug/l	99
14) Allyl chloride	2.654	41	125975	47.412	ug/l	98
15) Acrylonitrile	3.062	53	210792	254.873	ug/l	98
16) Acetone	2.386	43	173889	259.058	ug/l	99
17) Carbon Disulfide	2.502	76	184565	45.780	ug/l	100
18) Methyl Acetate	2.703	43	109515	51.703	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	231822	49.559	ug/l	100
20) Methylene Chloride	2.782	84	80471	48.945	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	71823	49.636	ug/l	99
22) Diisopropyl ether	3.757	45	255564	50.840	ug/l	96
23) Vinyl Acetate	3.715	43	1043434	254.613	ug/l	100
24) 1,1-Dichloroethane	3.605	63	139303	49.527	ug/l	99
25) 2-Butanone	4.556	43	285853	262.259	ug/l	97
26) 2,2-Dichloropropane	4.471	77	91644	41.086	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	85866	49.402	ug/l	98
28) Bromochloromethane	4.885	49	60252	44.575	ug/l	98
29) Tetrahydrofuran	5.001	42	188839	260.913	ug/l	99
30) Chloroform	5.087	83	135857	49.806	ug/l	97
31) Cyclohexane	5.464	56	122435	47.217	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	113617	49.107	ug/l	99
36) 1,1-Dichloropropene	5.684	75	91970	46.974	ug/l	98
37) Ethyl Acetate	4.709	43	110417	50.702	ug/l	100
38) Carbon Tetrachloride	5.666	117	90581	47.211	ug/l	98
39) Methylcyclohexane	7.373	83	123769	48.896	ug/l	97
40) Benzene	6.031	78	303089	49.575	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044918.D
 Acq On : 11 Feb 2025 19:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 12 02:47:38 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	62585	53.690	ug/l	99
42) 1,2-Dichloroethane	6.080	62	99909	51.275	ug/l	100
43) Isopropyl Acetate	6.336	43	177546	50.486	ug/l	99
44) Trichloroethene	7.123	130	68162	48.777	ug/l	98
45) 1,2-Dichloropropane	7.428	63	75229	49.460	ug/l	99
46) Dibromomethane	7.574	93	53323	50.552	ug/l	99
47) Bromodichloromethane	7.818	83	103091	50.475	ug/l	97
48) Methyl methacrylate	7.690	41	86162	51.962	ug/l	99
49) 1,4-Dioxane	7.665	88	37602	1056.949	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	561087	262.440	ug/l	99
52) Toluene	8.714	92	182775	50.199	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	99925	48.347	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	113036	49.051	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	70192	50.149	ug/l	98
56) Ethyl methacrylate	9.116	69	115029	50.884	ug/l	98
57) 1,3-Dichloropropane	9.305	76	123396	50.387	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	291354	262.486	ug/l	99
59) 2-Hexanone	9.427	43	413528	268.451	ug/l	98
60) Dibromochloromethane	9.519	129	74939	50.063	ug/l	98
61) 1,2-Dibromoethane	9.604	107	72417	51.047	ug/l	98
64) Tetrachloroethene	9.269	164	54627	46.738	ug/l	95
65) Chlorobenzene	10.079	112	191785	48.179	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	61604	48.081	ug/l	100
67) Ethyl Benzene	10.189	91	346217	49.286	ug/l	99
68) m/p-Xylenes	10.299	106	253750	97.924	ug/l	97
69) o-Xylene	10.640	106	126016	48.465	ug/l	98
70) Styrene	10.653	104	211083	50.389	ug/l	99
71) Bromoform	10.799	173	46897	49.045	ug/l #	100
73) Isopropylbenzene	10.957	105	325195	49.916	ug/l	100
74) N-amyl acetate	10.842	43	151270	51.312	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	109803	49.048	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	115301	64.274	ug/l	83
77) Bromobenzene	11.195	156	73059	49.464	ug/l	99
78) n-propylbenzene	11.299	91	379500	50.468	ug/l	100
79) 2-Chlorotoluene	11.360	91	223727	48.410	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	267127	50.528	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	31501	45.171	ug/l	96
82) 4-Chlorotoluene	11.451	91	257507	50.364	ug/l	100
83) tert-Butylbenzene	11.713	119	265793	49.697	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	266991	51.168	ug/l	100
85) sec-Butylbenzene	11.890	105	334004	50.433	ug/l	100
86) p-Isopropyltoluene	12.006	119	269485	50.599	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	132254	48.692	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	131837	48.007	ug/l	99
89) n-Butylbenzene	12.329	91	242069	51.376	ug/l	99
90) Hexachloroethane	12.536	117	47525	47.657	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	133599	50.047	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20660	50.565	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	79706	49.345	ug/l	99
94) Hexachlorobutadiene	13.725	225	30093	46.929	ug/l	99
95) Naphthalene	13.774	128	299256	51.251	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	80826	49.658	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
Data File : VX044918.D
Acq On : 11 Feb 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

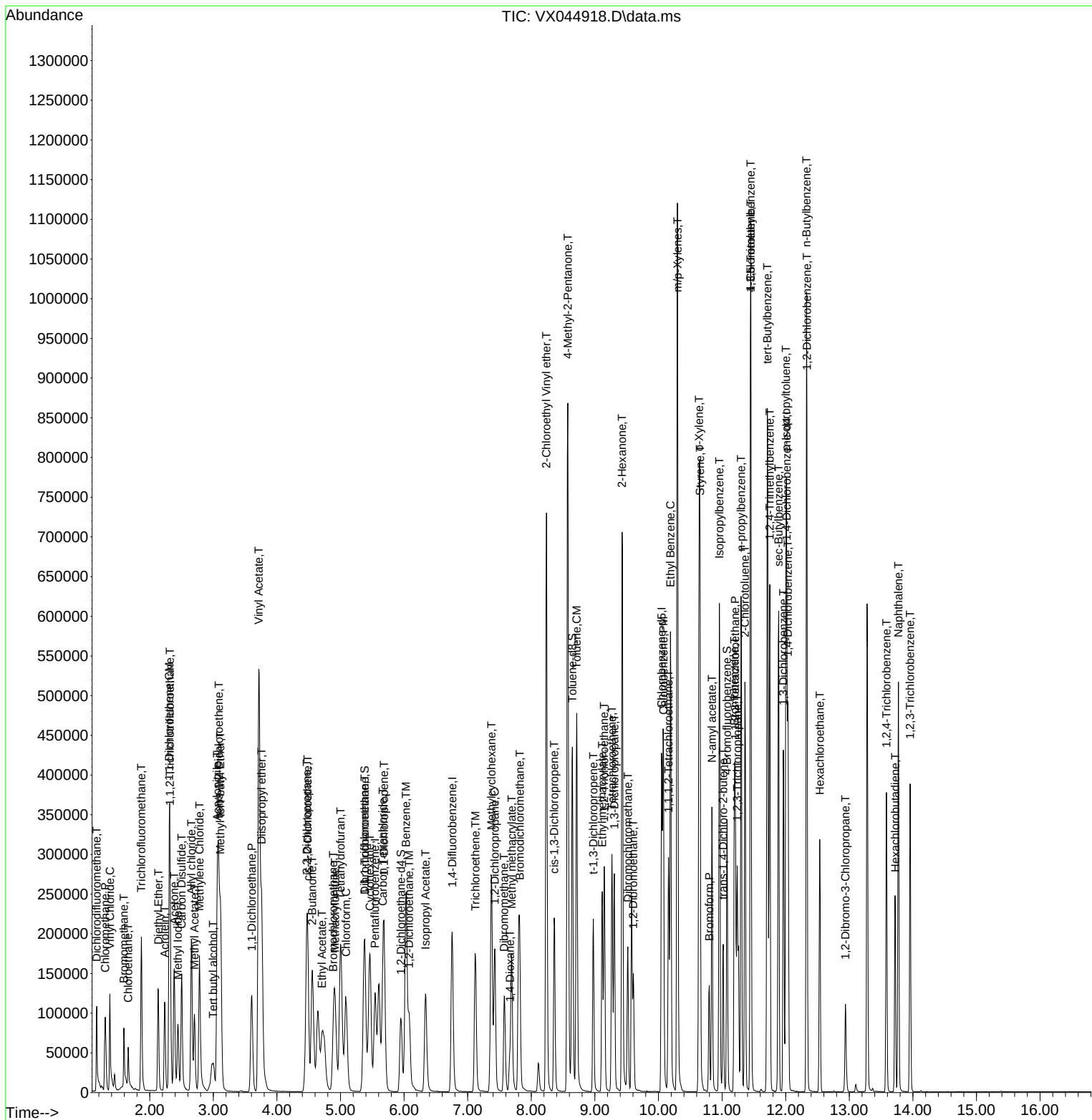
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MSVOA_X
ClientSampleId :
VSTDCCC050EC

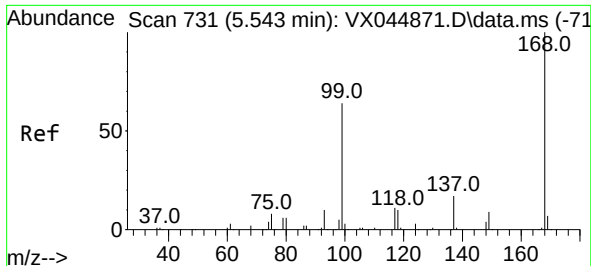
Quant Time: Feb 12 02:47:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

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

Quant Time: Feb 12 02:47:38 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

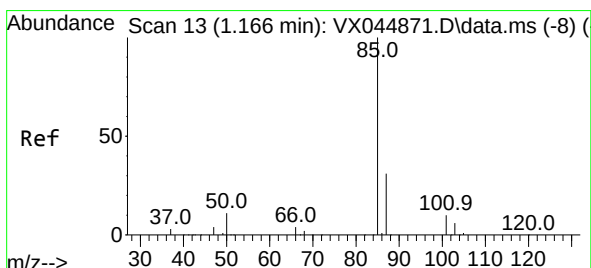
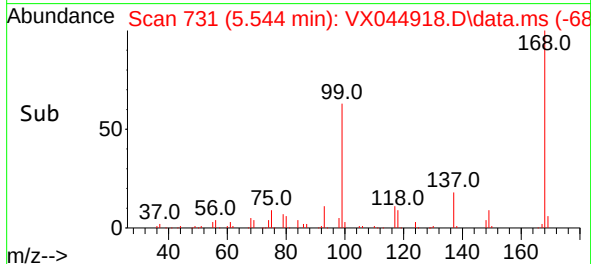
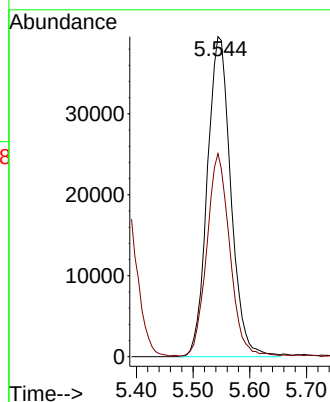
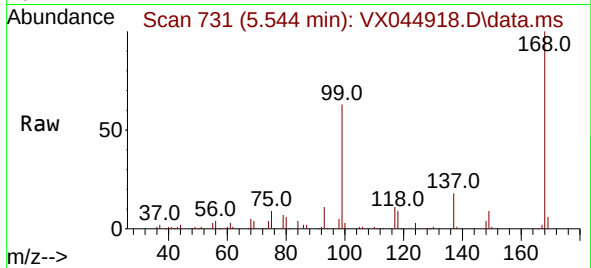




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

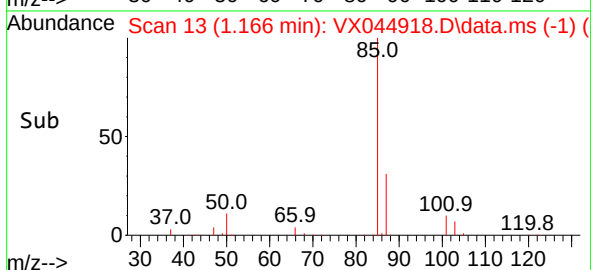
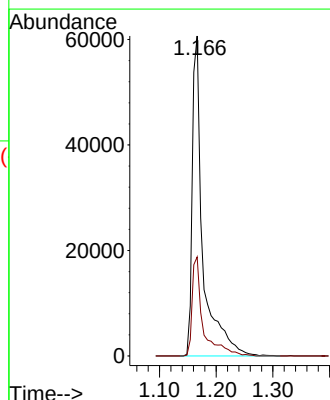
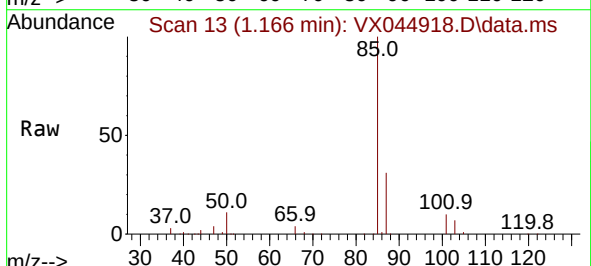
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

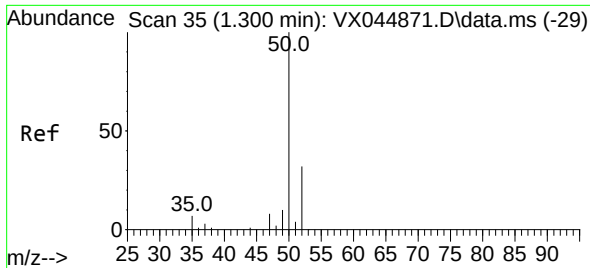
Tgt Ion:168 Resp: 114065
Ion Ratio Lower Upper
168 100
99 63.2 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 49.419 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 85 Resp: 79061
Ion Ratio Lower Upper
85 100
87 31.0 15.8 47.3

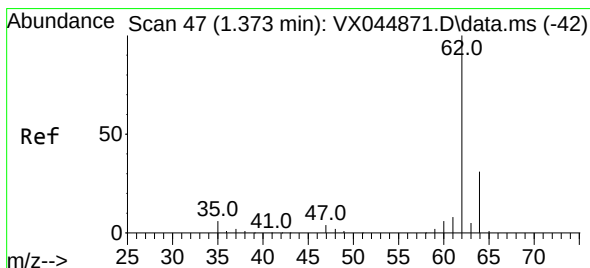
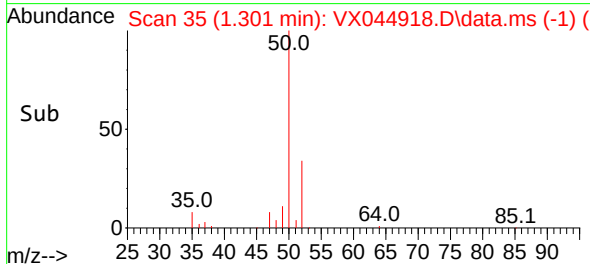
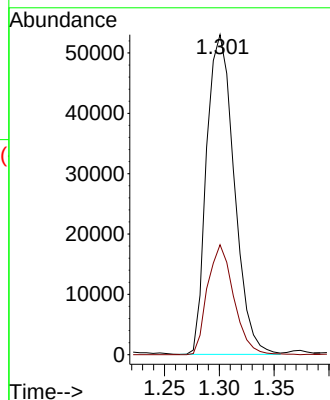
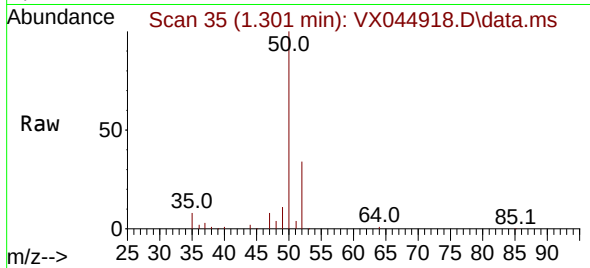




#3
Chloromethane
Concen: 47.674 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

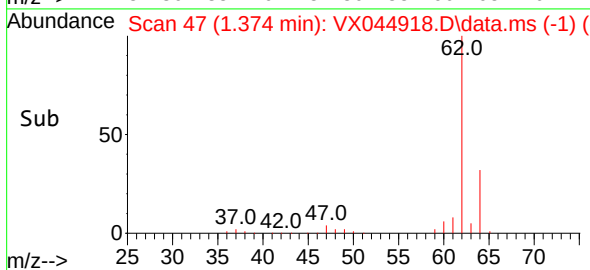
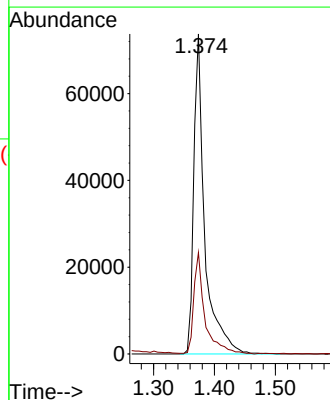
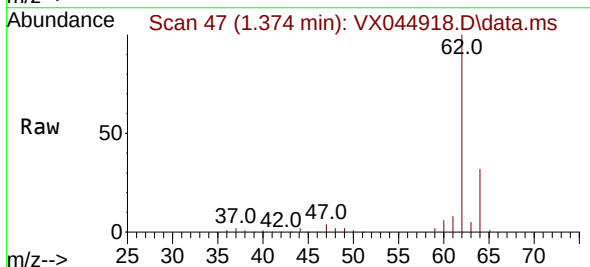
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

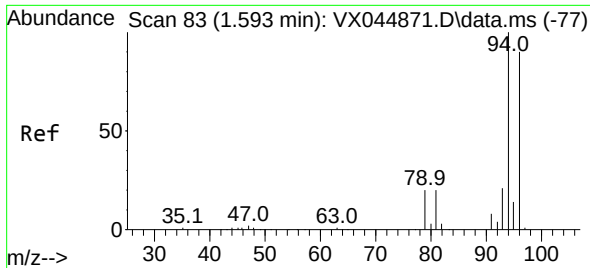
Tgt Ion: 50 Resp: 92827
Ion Ratio Lower Upper
50 100
52 34.4 25.9 38.9



#4
Vinyl Chloride
Concen: 48.959 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 62 Resp: 92352
Ion Ratio Lower Upper
62 100
64 31.5 25.4 38.0

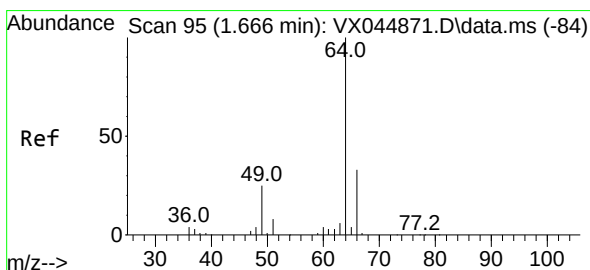
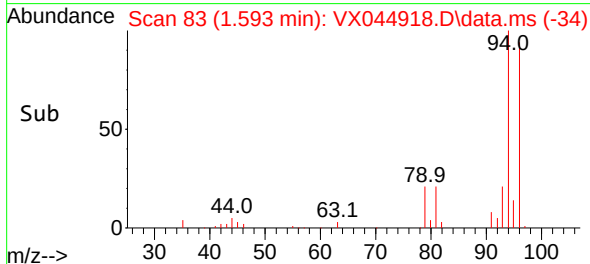
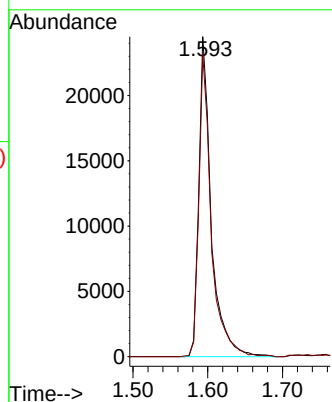
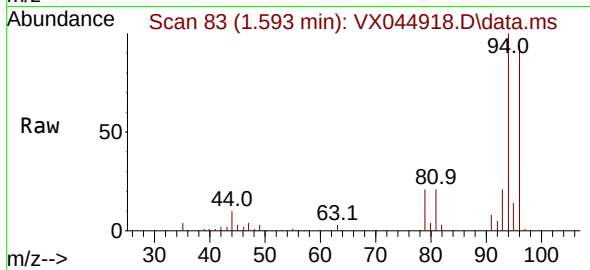




#5
Bromomethane
Concen: 50.267 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

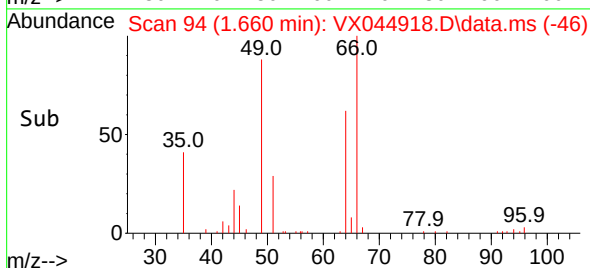
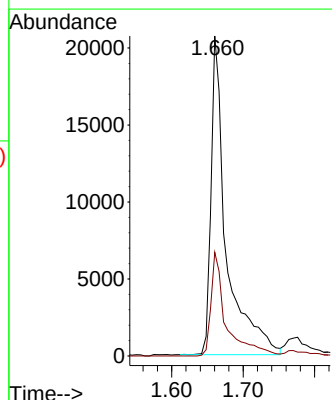
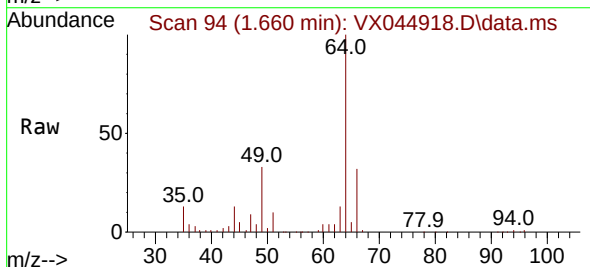
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

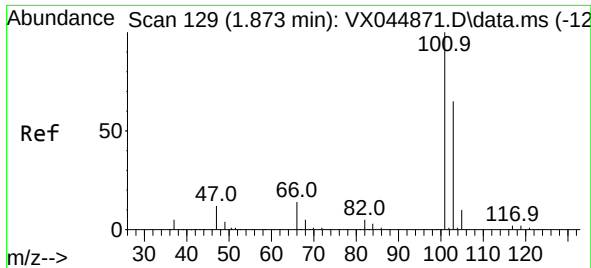
Tgt Ion: 94 Resp: 28374
Ion Ratio Lower Upper
94 100
96 94.4 71.6 107.4



#6
Chloroethane
Concen: 40.693 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 64 Resp: 30841
Ion Ratio Lower Upper
64 100
66 32.5 25.9 38.9

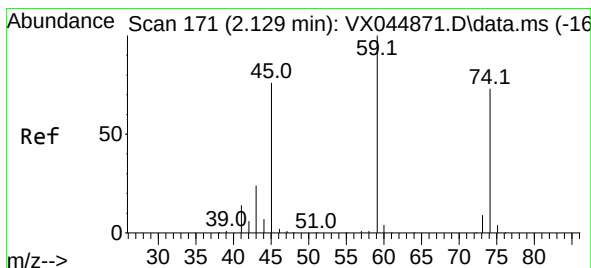
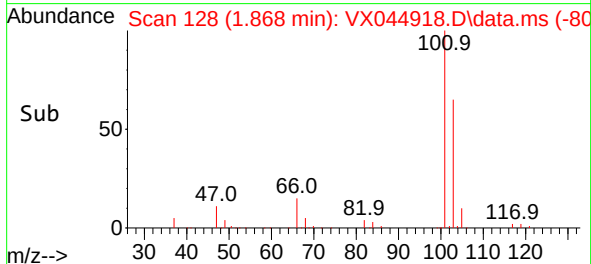
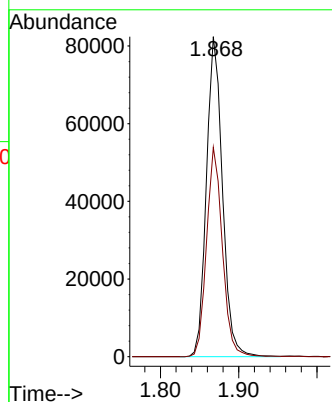
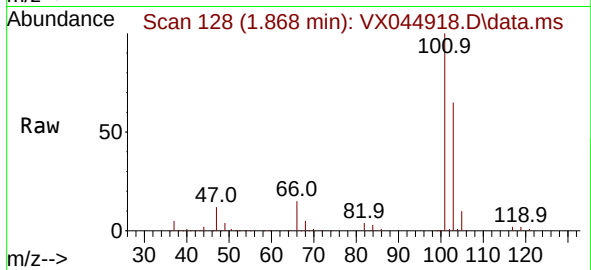




#7
Trichlorofluoromethane
Concen: 48.991 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.005 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

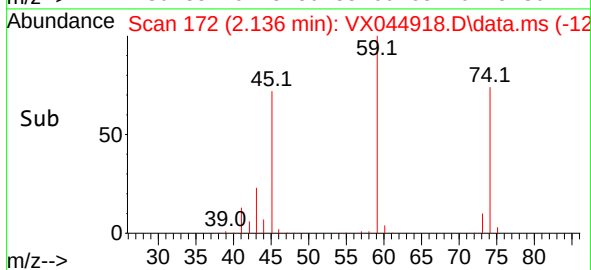
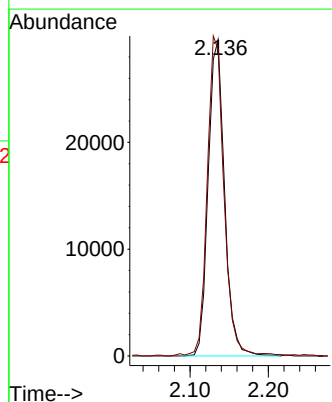
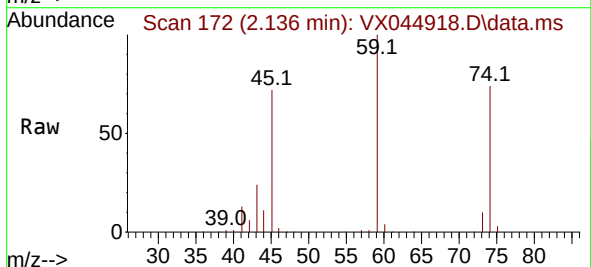
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

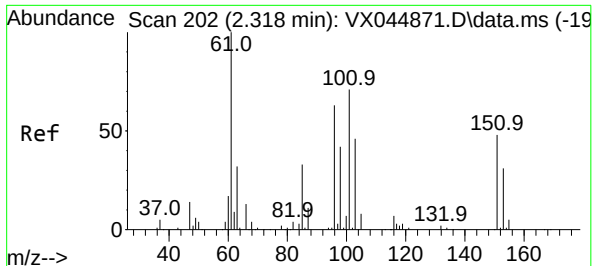
Tgt Ion:101 Resp: 116867
Ion Ratio Lower Upper
101 100
103 65.4 52.4 78.6



#8
Diethyl Ether
Concen: 49.531 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.007 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 74 Resp: 42851
Ion Ratio Lower Upper
74 100
45 103.9 51.1 153.4

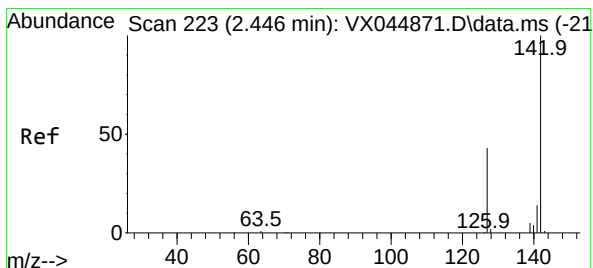
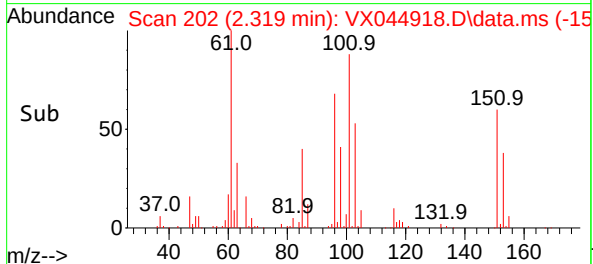
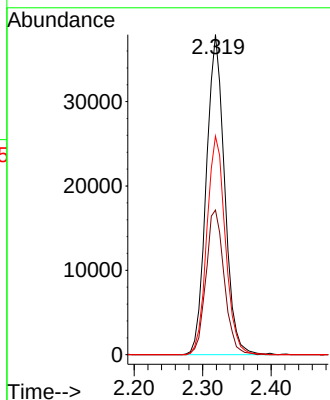
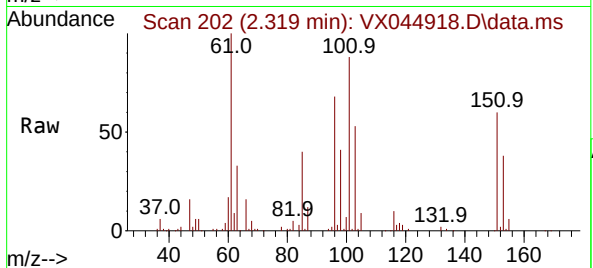




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.954 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

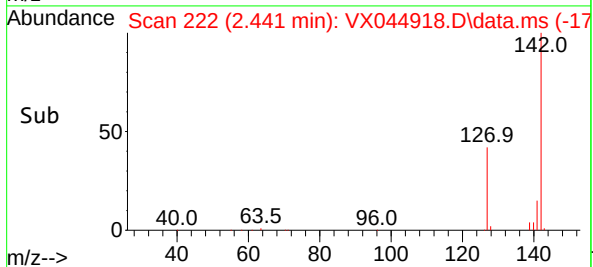
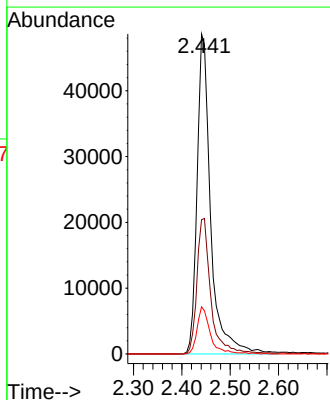
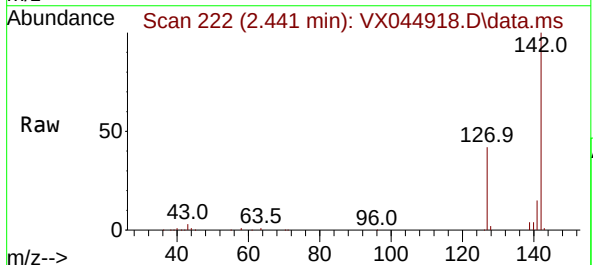
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

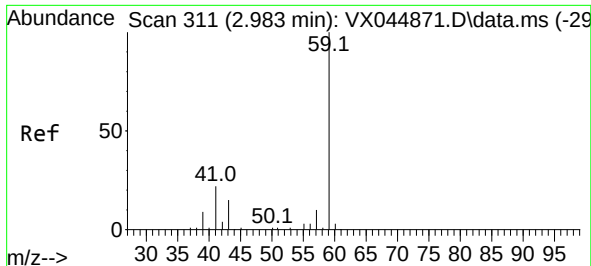
Tgt Ion:101 Resp: 70557
Ion Ratio Lower Upper
101 100
85 45.2 35.7 53.5
151 68.9 56.0 84.0



#10
Methyl Iodide
Concen: 50.957 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:142 Resp: 95185
Ion Ratio Lower Upper
142 100
127 43.2 34.3 51.5
141 14.3 11.4 17.2





#11

Tert butyl alcohol

Concen: 250.247 ug/l

RT: 2.995 min Scan# 311

Delta R.T. 0.013 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

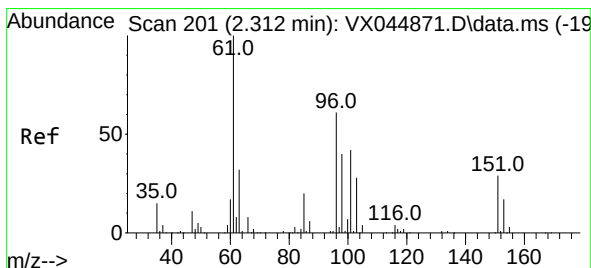
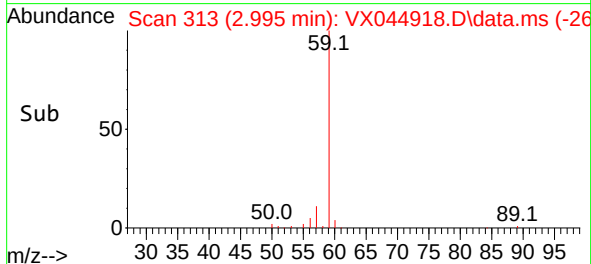
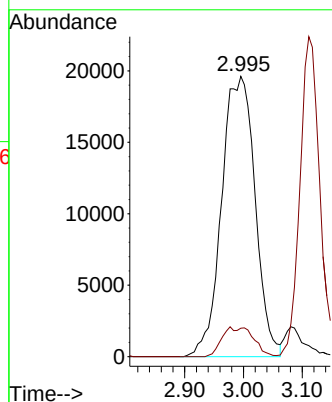
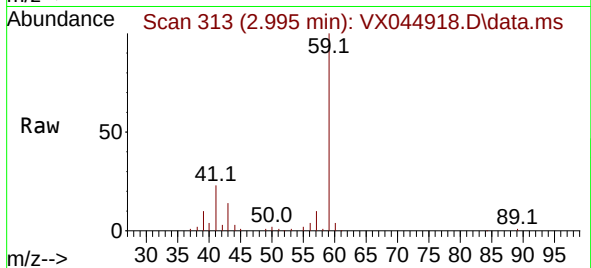
VSTDCCC050EC

Tgt Ion: 59 Resp: 77516

Ion Ratio Lower Upper

59 100

57 4.2 8.1 12.1#



#12

1,1-Dichloroethene

Concen: 48.335 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

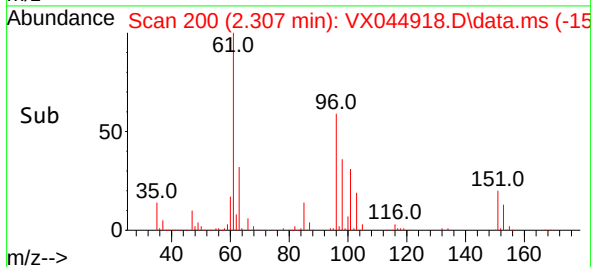
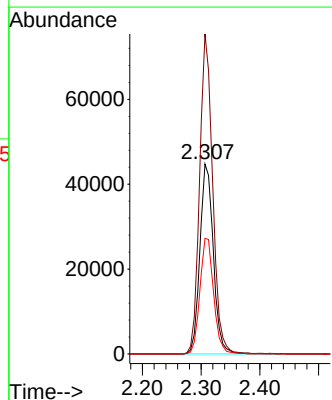
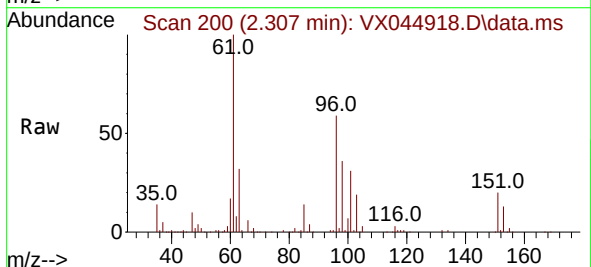
Tgt Ion: 96 Resp: 71063

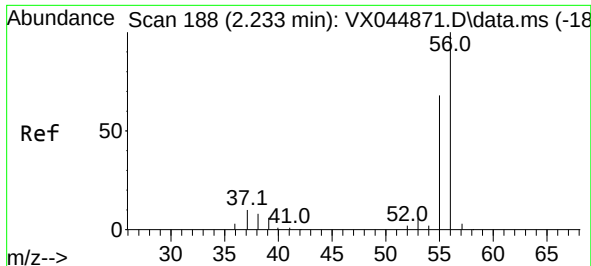
Ion Ratio Lower Upper

96 100

61 168.5 130.2 195.4

98 60.9 52.2 78.4





#13

Acrolein

Concen: 263.373 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

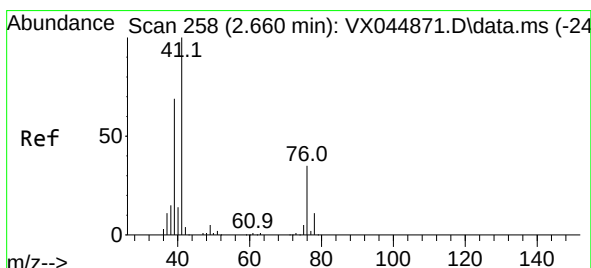
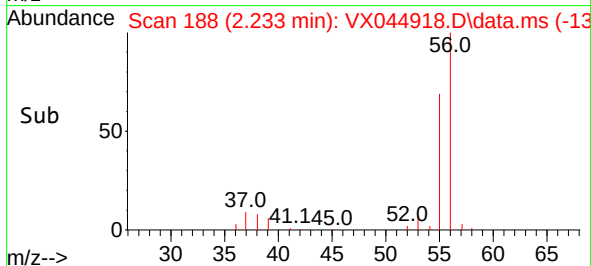
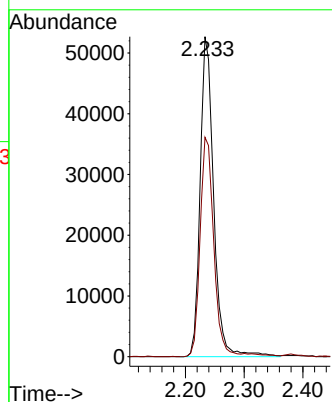
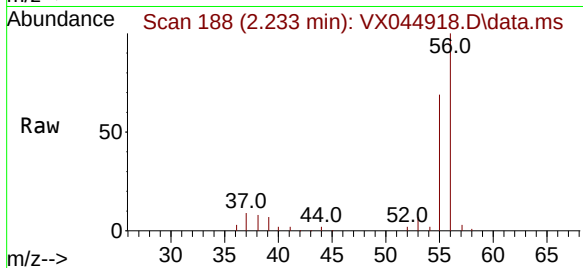
VSTDCCC050EC

Tgt Ion: 56 Resp: 84172

Ion Ratio Lower Upper

56 100

55 69.1 55.7 83.5



#14

Allyl chloride

Concen: 47.412 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

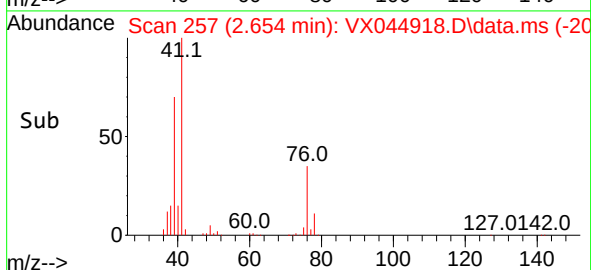
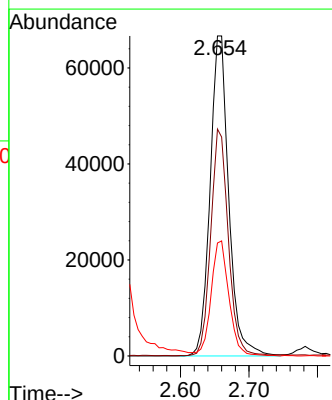
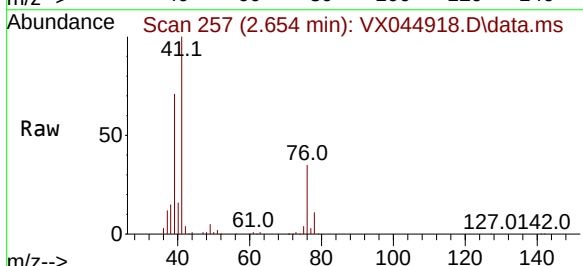
Tgt Ion: 41 Resp: 125975

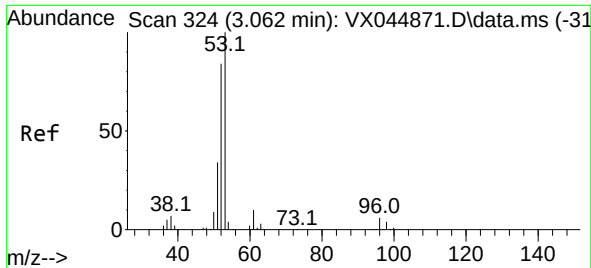
Ion Ratio Lower Upper

41 100

39 66.5 51.4 77.2

76 34.4 27.0 40.4

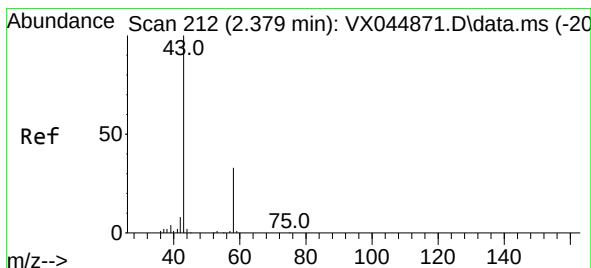
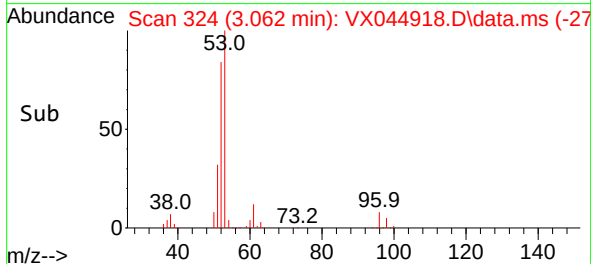
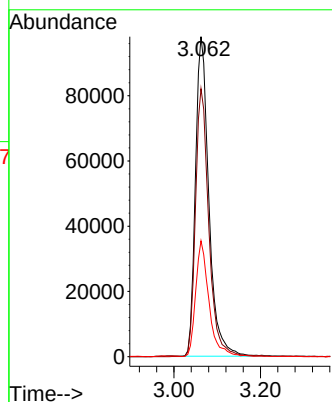
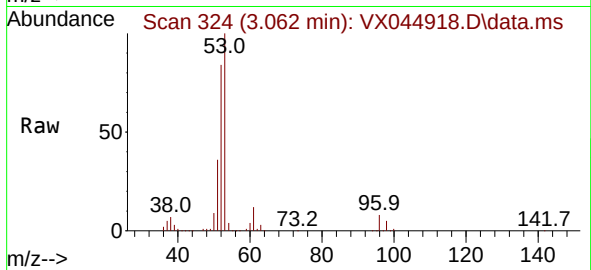




#15
Acrylonitrile
Concen: 254.873 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

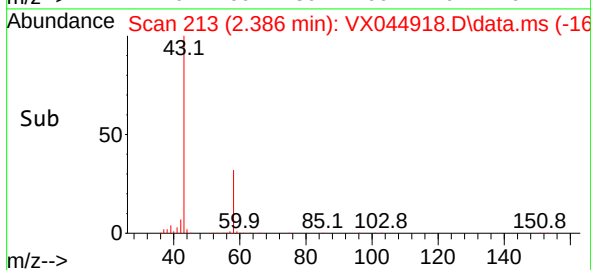
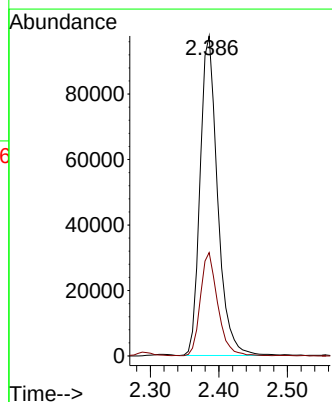
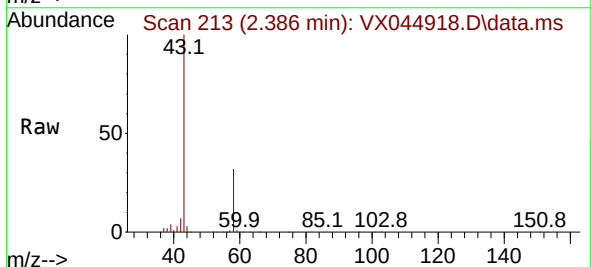
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

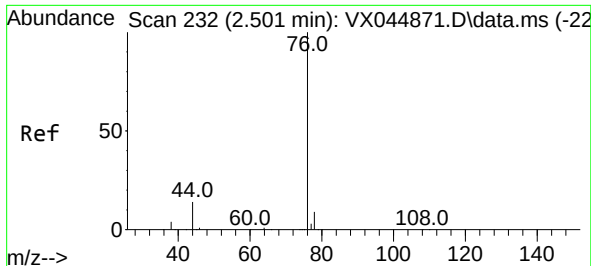
Tgt Ion: 53 Resp: 210792
Ion Ratio Lower Upper
53 100
52 83.1 65.0 97.6
51 35.7 28.0 42.0



#16
Acetone
Concen: 259.058 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 43 Resp: 173889
Ion Ratio Lower Upper
43 100
58 32.3 26.5 39.7

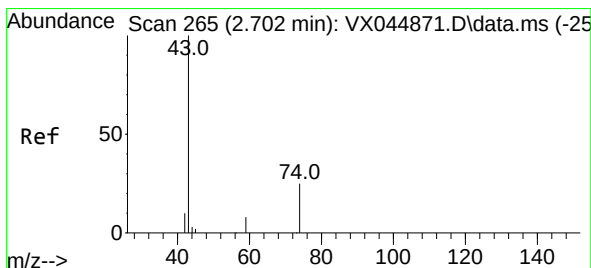
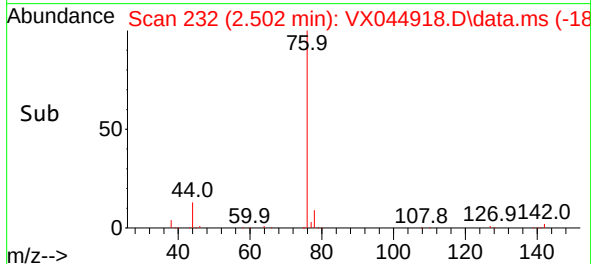
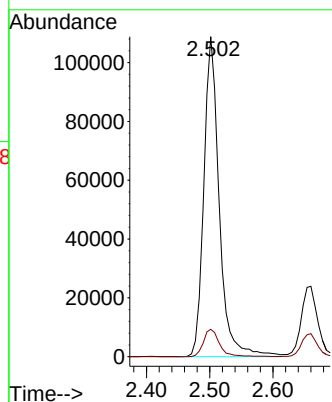
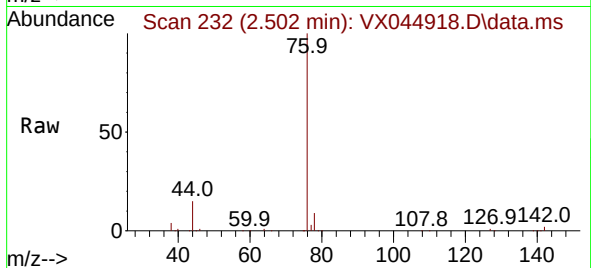




#17
Carbon Disulfide
Concen: 45.780 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

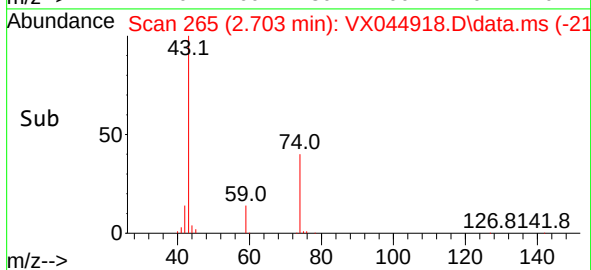
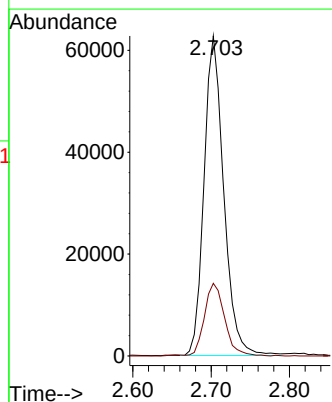
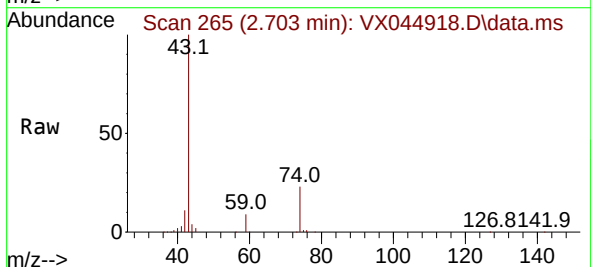
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

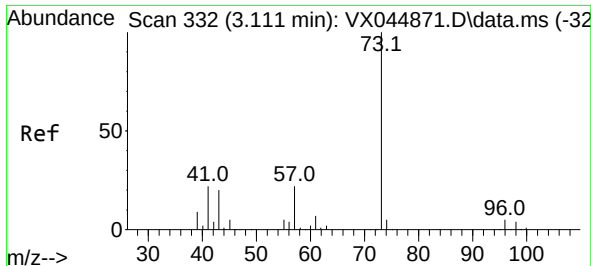
Tgt Ion: 76 Resp: 184565
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.4



#18
Methyl Acetate
Concen: 51.703 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 43 Resp: 109515
Ion Ratio Lower Upper
43 100
74 23.3 18.9 28.3

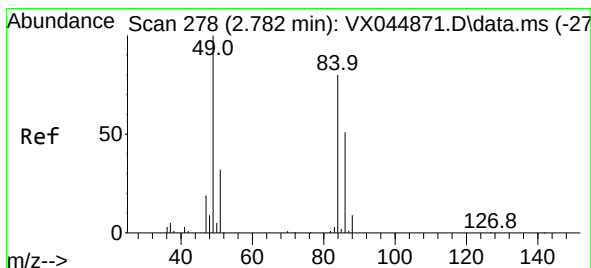
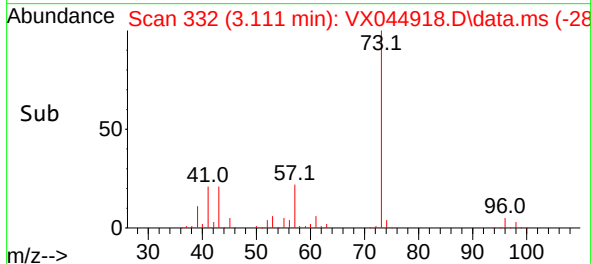
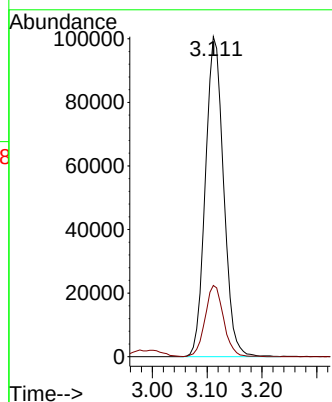
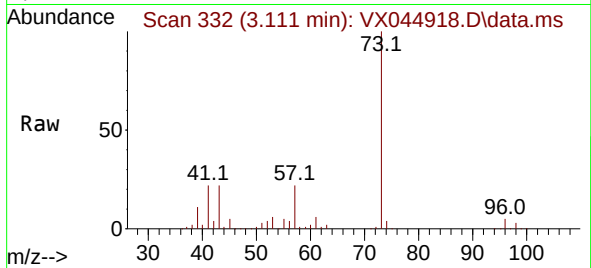




#19
Methyl tert-butyl Ether
Concen: 49.559 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

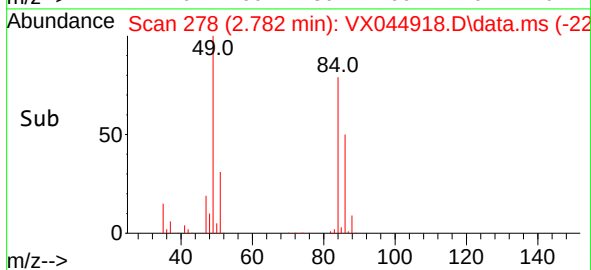
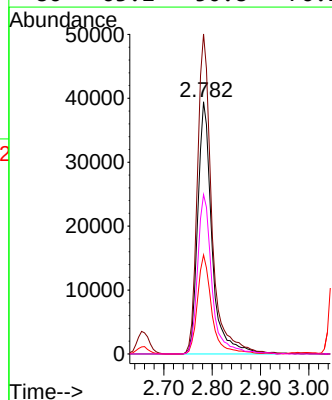
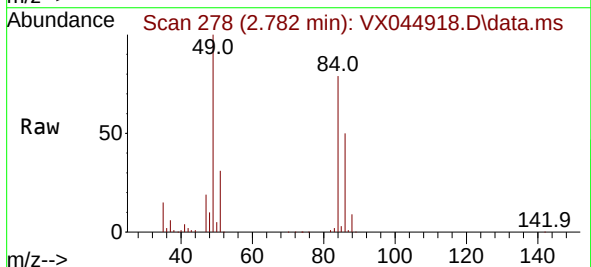
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

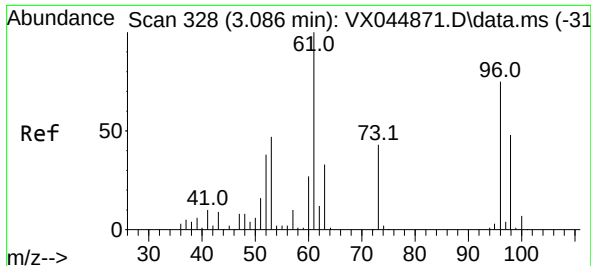
Tgt Ion: 73 Resp: 231822
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9



#20
Methylene Chloride
Concen: 48.945 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 84 Resp: 80471
Ion Ratio Lower Upper
84 100
49 126.9 100.1 150.1
51 39.3 31.7 47.5
86 63.2 50.8 76.2

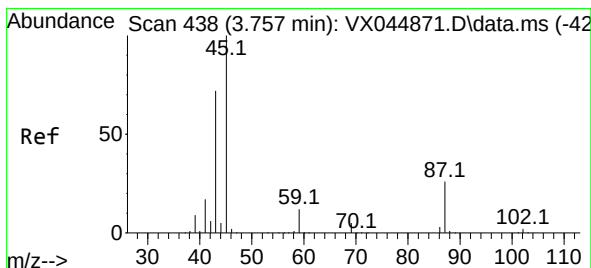
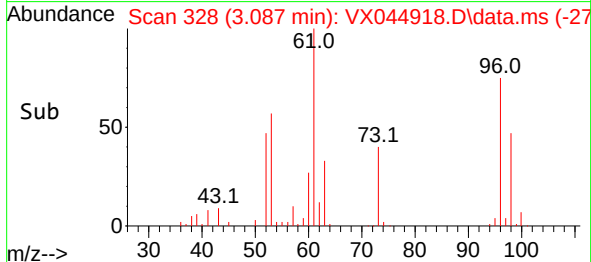
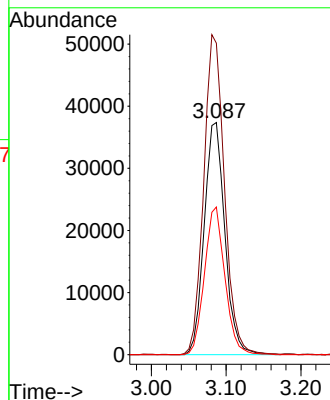
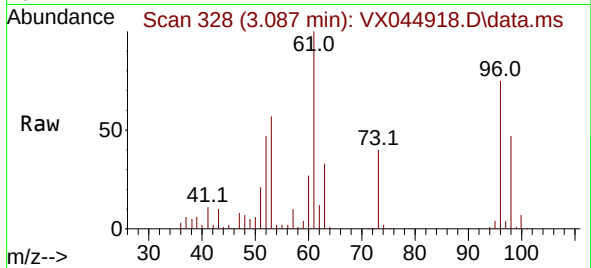




#21
trans-1,2-Dichloroethene
Concen: 49.636 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

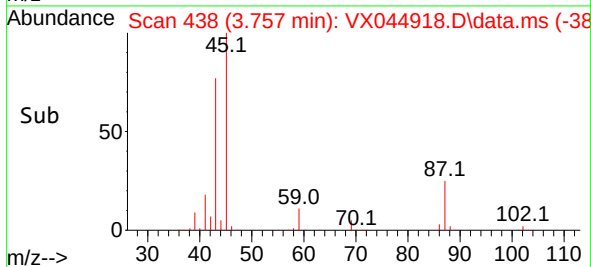
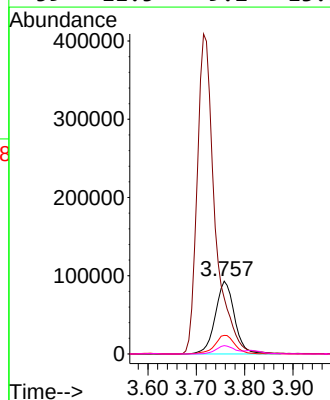
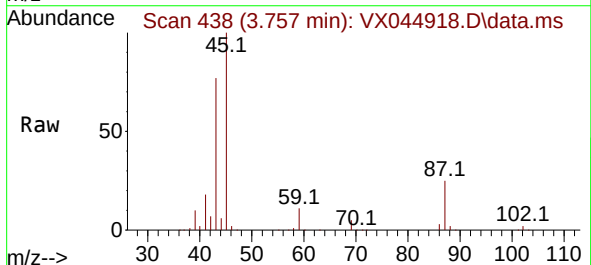
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

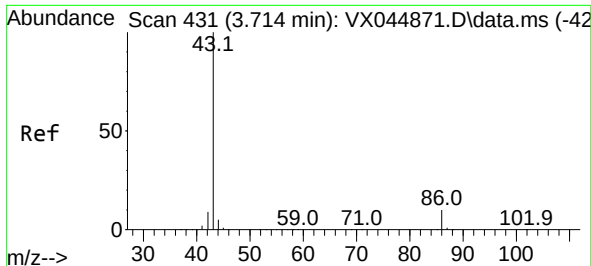
Tgt Ion: 96 Resp: 71823
Ion Ratio Lower Upper
96 100
61 134.2 106.0 159.0
98 63.6 50.6 76.0



#22
Diisopropyl ether
Concen: 50.840 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 45 Resp: 255564
Ion Ratio Lower Upper
45 100
43 76.9 58.0 87.0
87 25.5 20.7 31.1
59 11.5 9.2 13.8

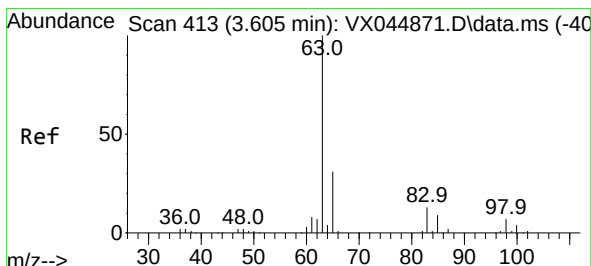
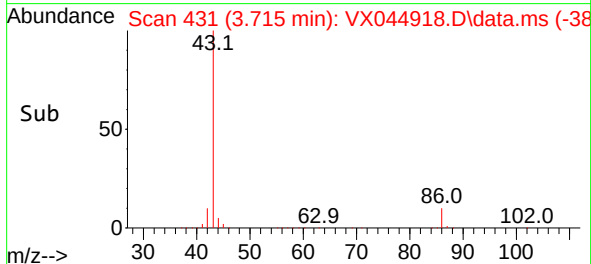
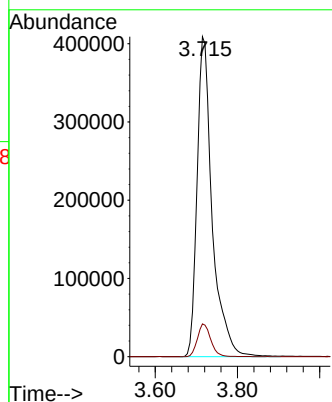
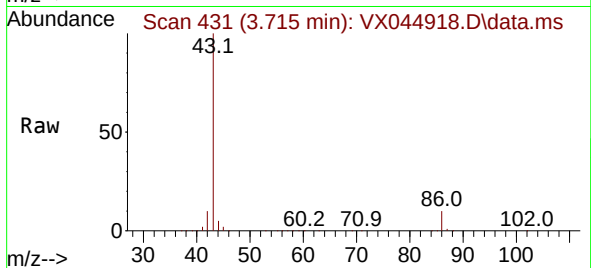




#23
 Vinyl Acetate
 Concen: 254.613 ug/l
 RT: 3.715 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX044918.D
 Acq: 11 Feb 2025 19:50

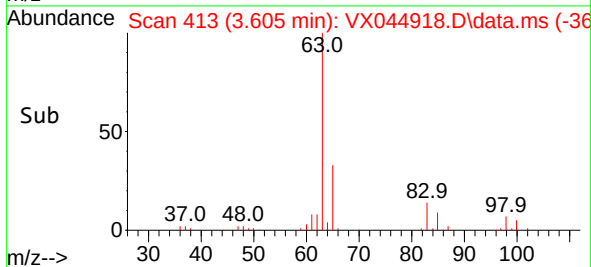
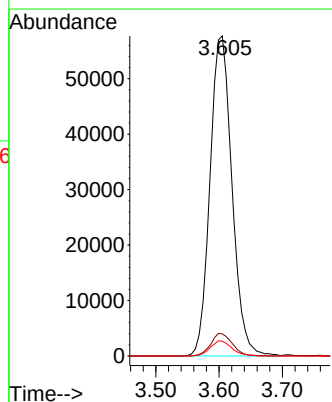
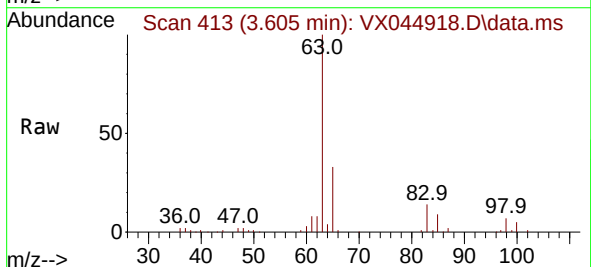
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

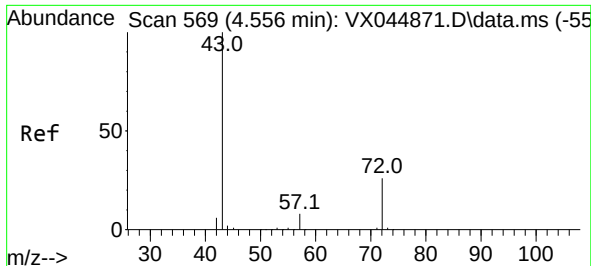
Tgt Ion: 43 Resp: 1043434
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 49.527 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX044918.D
 Acq: 11 Feb 2025 19:50

Tgt Ion: 63 Resp: 139303
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.9
 100 4.6 2.1 6.5

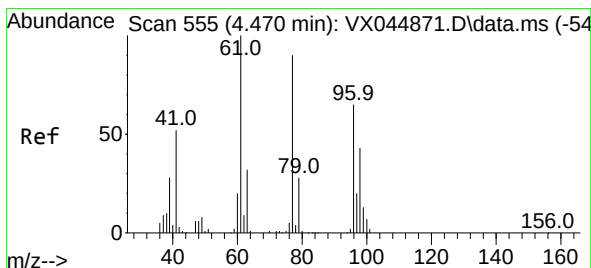
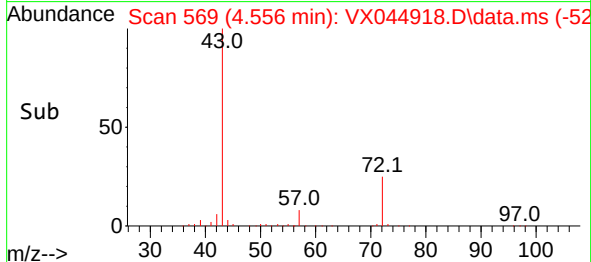
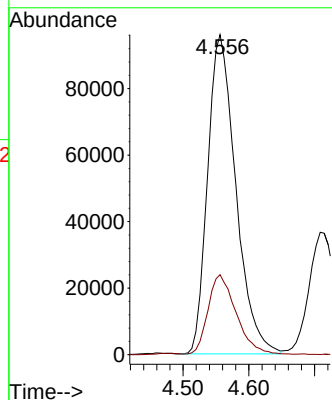
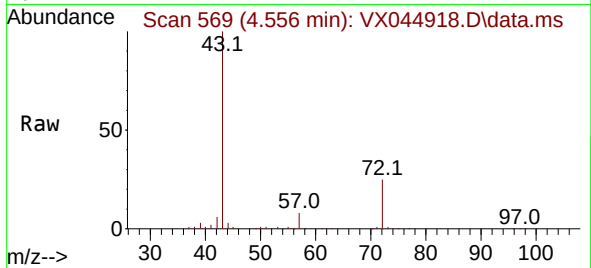




#25
2-Butanone
Concen: 262.259 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

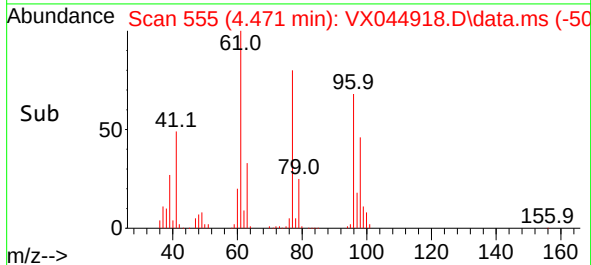
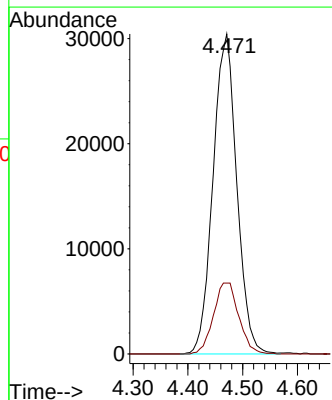
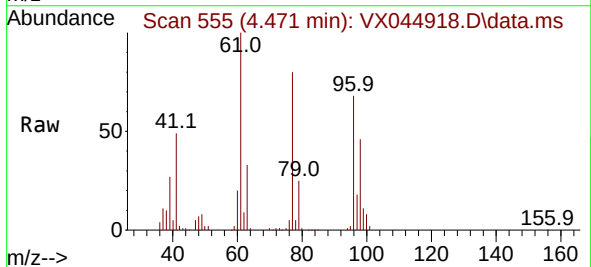
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

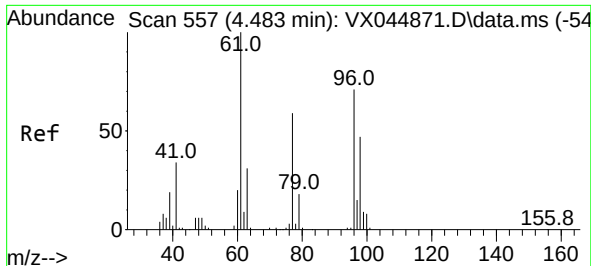
Tgt Ion: 43 Resp: 285853
Ion Ratio Lower Upper
43 100
72 24.8 21.2 31.8



#26
2,2-Dichloropropane
Concen: 41.086 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 77 Resp: 91644
Ion Ratio Lower Upper
77 100
97 23.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 49.402 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

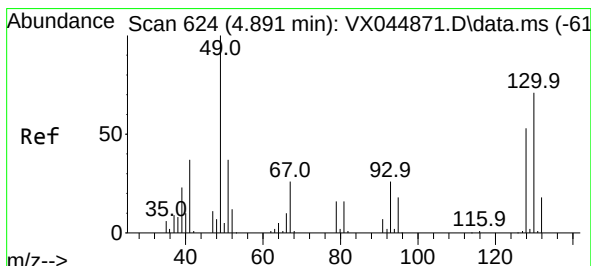
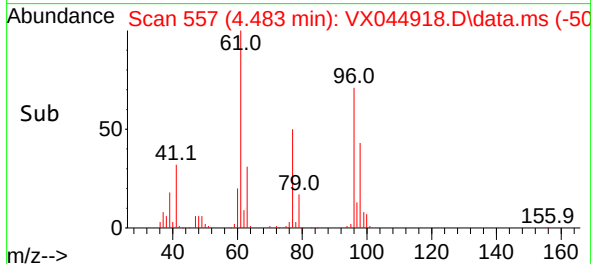
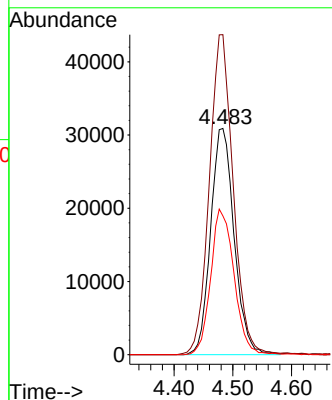
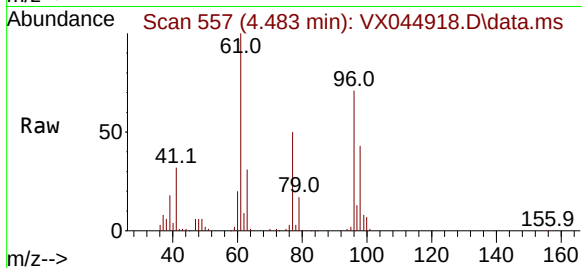
Tgt Ion: 96 Resp: 85866

Ion Ratio Lower Upper

96 100

61 143.7 0.0 294.0

98 64.0 0.0 131.2



#28

Bromochloromethane

Concen: 44.575 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

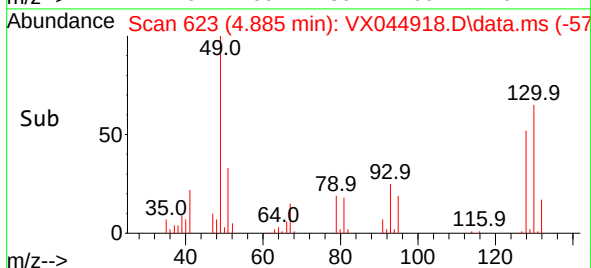
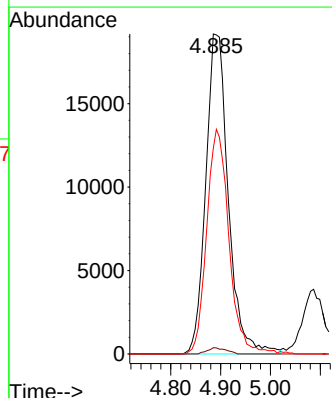
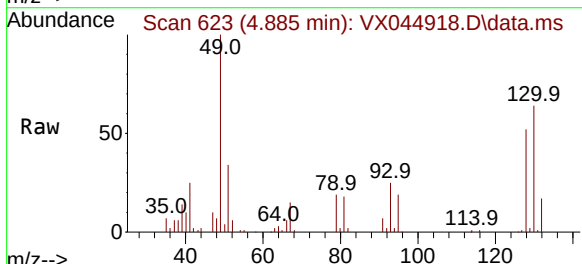
Tgt Ion: 49 Resp: 60252

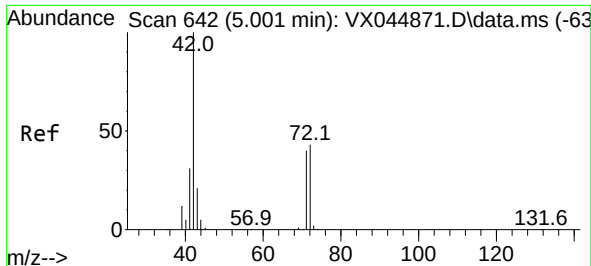
Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.6

130 69.4 56.7 85.1





#29

Tetrahydrofuran

Concen: 260.913 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

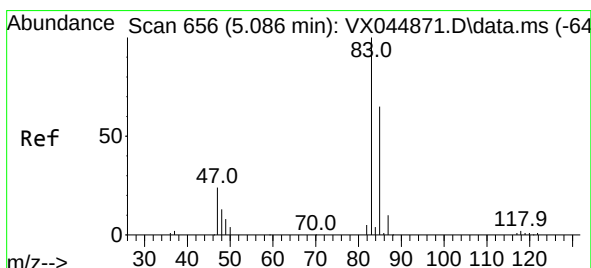
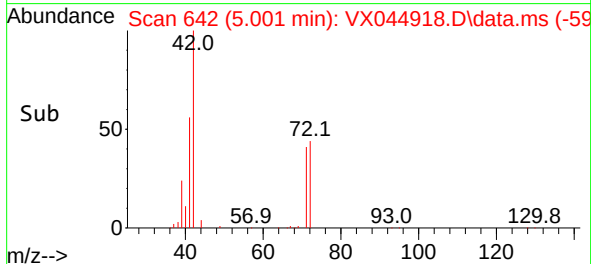
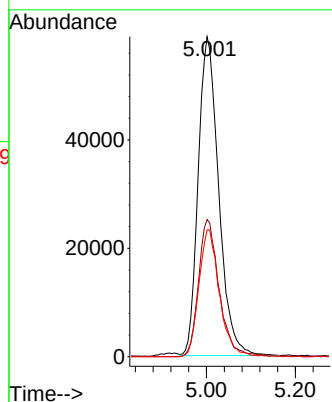
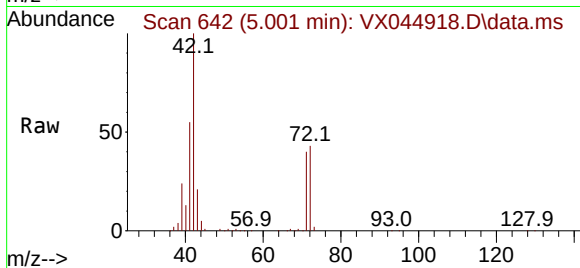
Tgt Ion: 42 Resp: 188839

Ion Ratio Lower Upper

42 100

72 43.2 35.0 52.4

71 39.6 32.6 48.8



#30

Chloroform

Concen: 49.806 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044918.D

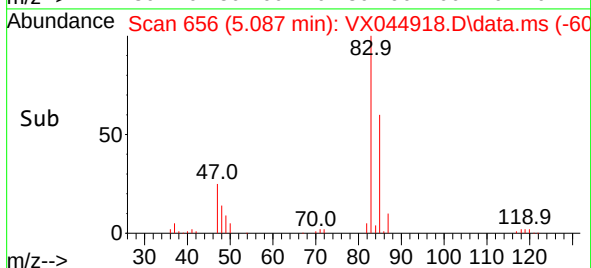
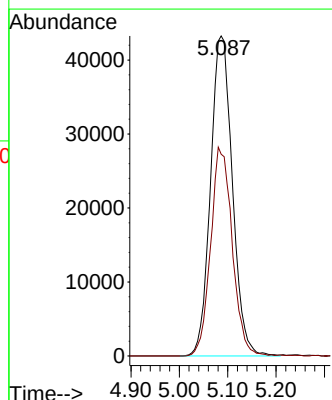
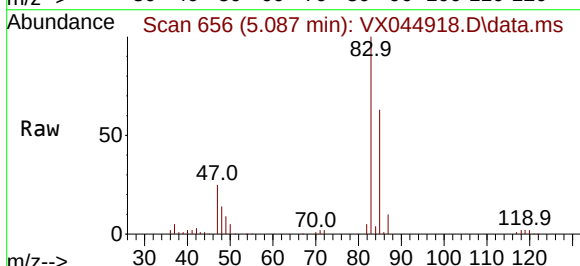
Acq: 11 Feb 2025 19:50

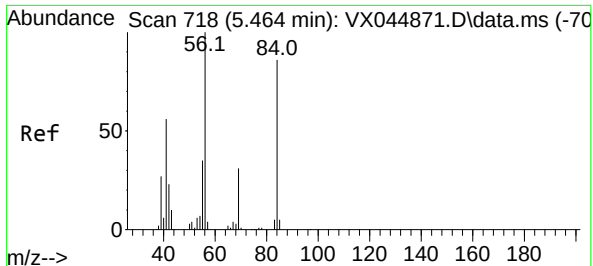
Tgt Ion: 83 Resp: 135857

Ion Ratio Lower Upper

83 100

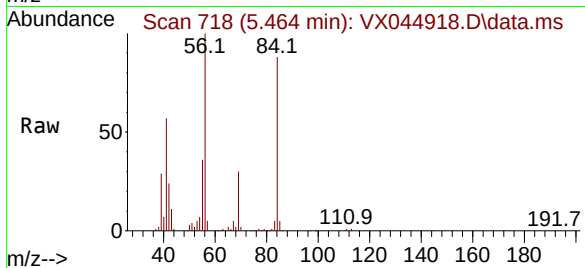
85 63.1 52.1 78.1



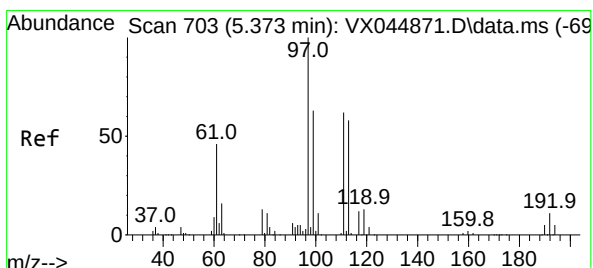
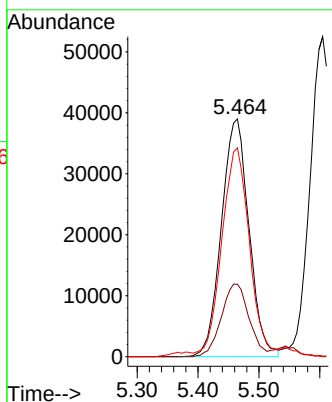
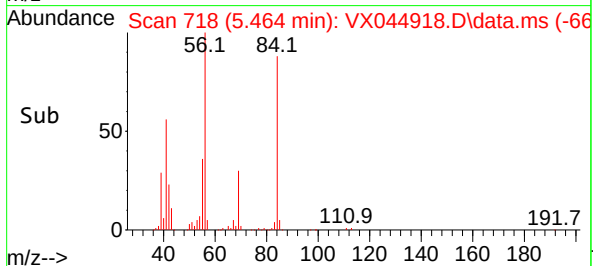


#31
Cyclohexane
Concen: 47.217 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

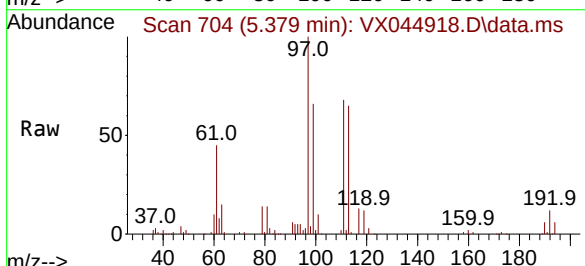
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



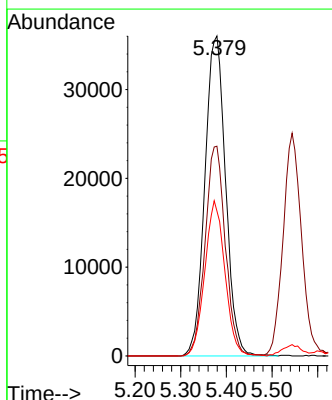
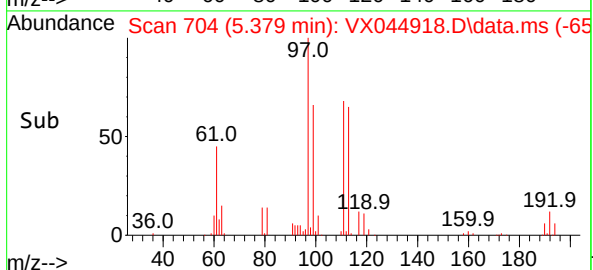
Tgt Ion: 56 Resp: 122435
Ion Ratio Lower Upper
56 100
69 30.5 24.4 36.6
84 85.9 69.0 103.6

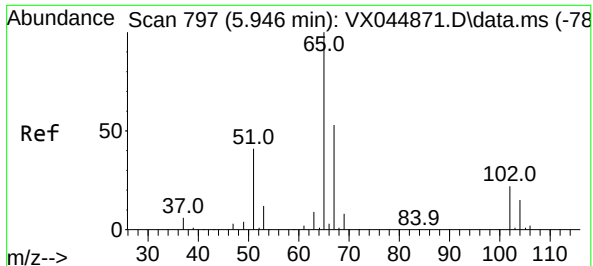


#32
1,1,1-Trichloroethane
Concen: 49.107 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50



Tgt Ion: 97 Resp: 113617
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.6
61 47.1 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 52.162 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

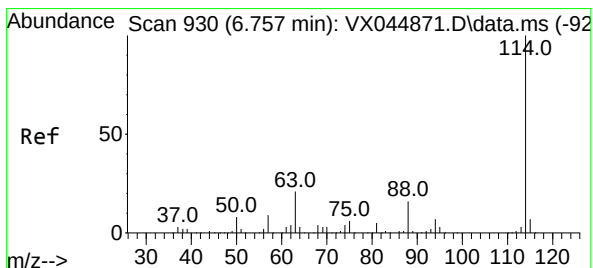
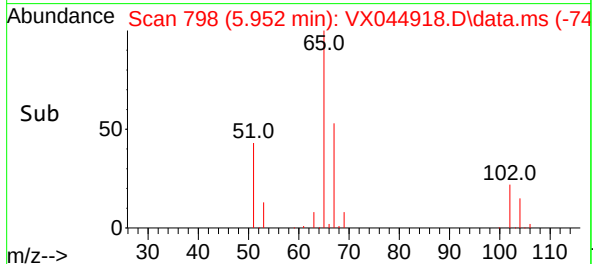
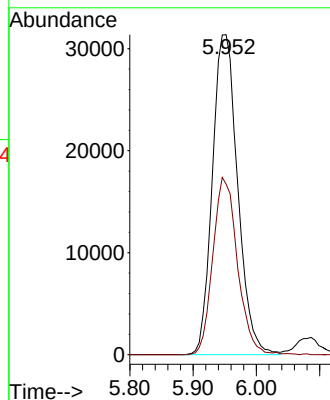
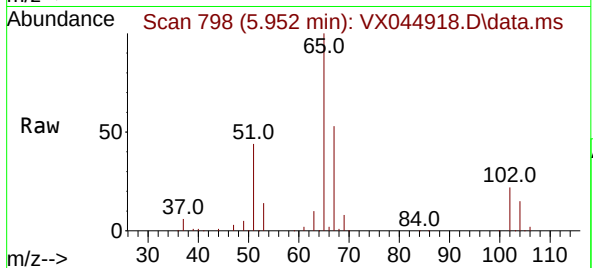
VSTDCCC050EC

Tgt Ion: 65 Resp: 87095

Ion Ratio Lower Upper

65 100

67 53.9 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: VX044918.D

Acq: 11 Feb 2025 19:50

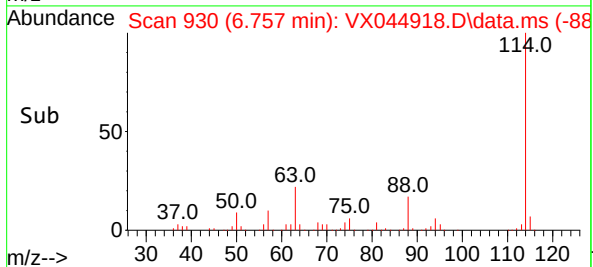
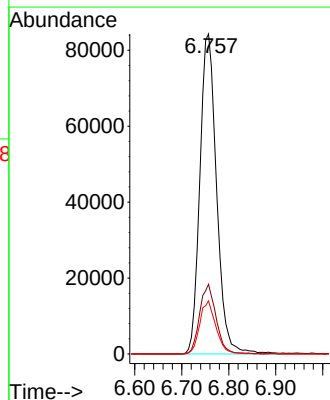
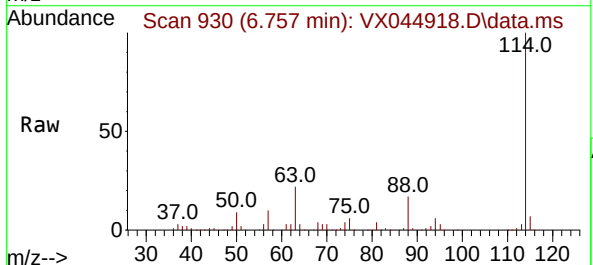
Tgt Ion: 114 Resp: 208728

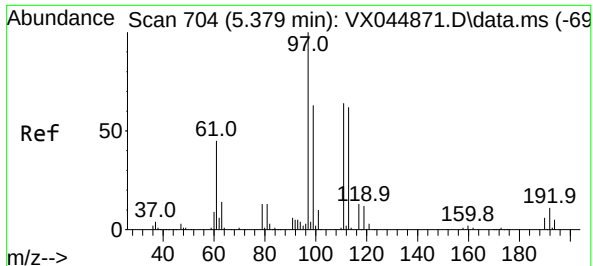
Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.4

88 16.6 0.0 31.4

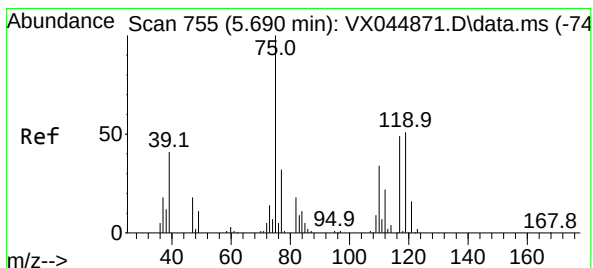
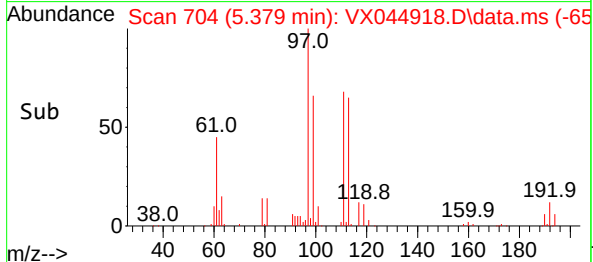
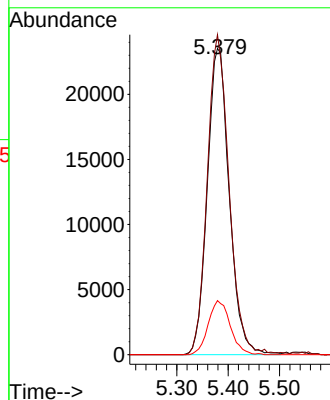
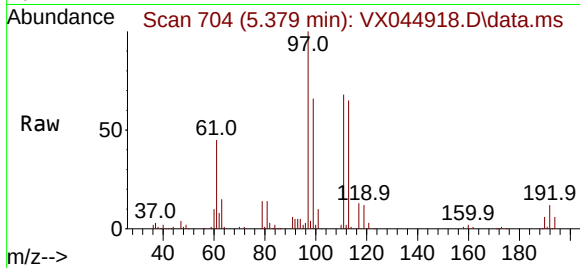




#35
Dibromofluoromethane
Concen: 51.520 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

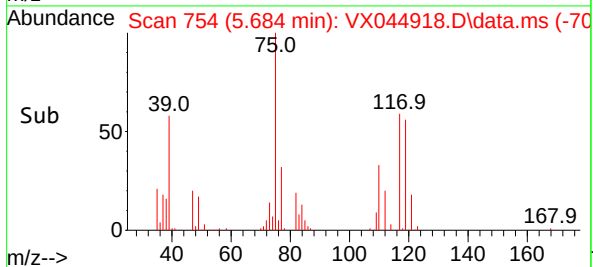
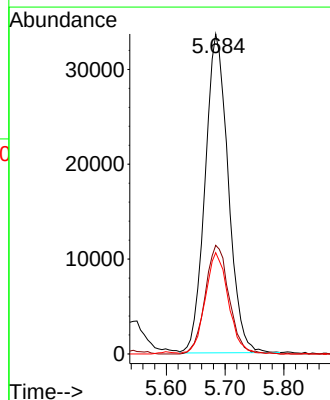
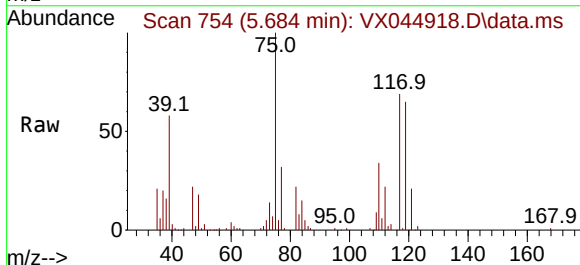
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

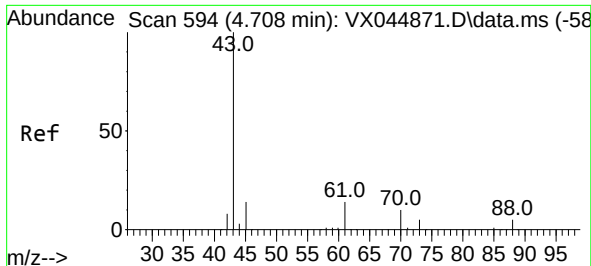
Tgt Ion:113 Resp: 69917
Ion Ratio Lower Upper
113 100
111 103.4 83.5 125.3
192 17.7 14.4 21.6



#36
1,1-Dichloropropene
Concen: 46.974 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 75 Resp: 91970
Ion Ratio Lower Upper
75 100
110 35.2 17.2 51.6
77 31.9 24.6 37.0





#37

Ethyl Acetate

Concen: 50.702 ug/l

RT: 4.709 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

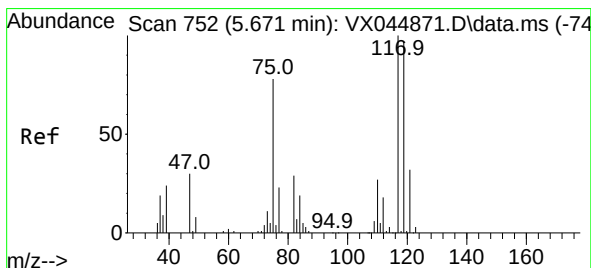
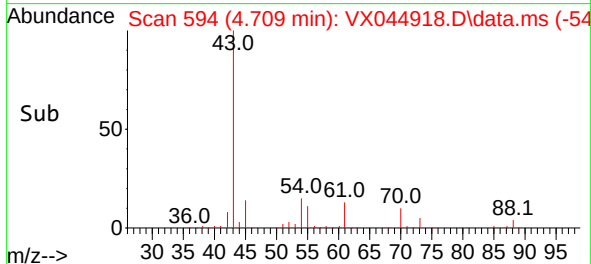
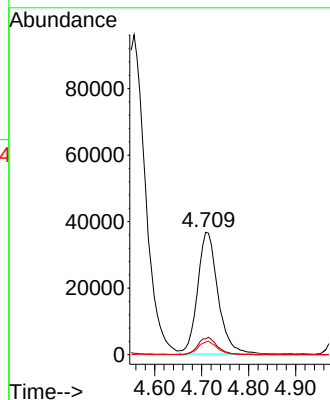
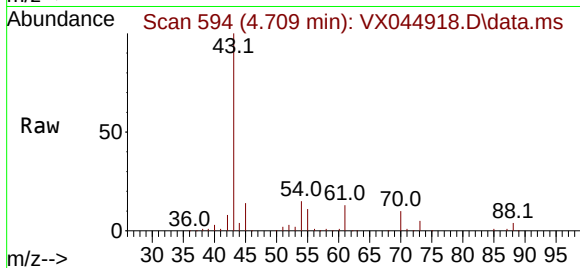
Tgt Ion: 43 Resp: 110417

Ion Ratio Lower Upper

43 100

61 13.6 11.0 16.4

70 10.4 8.2 12.2



#38

Carbon Tetrachloride

Concen: 47.211 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

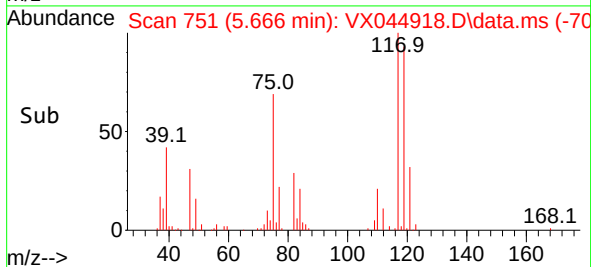
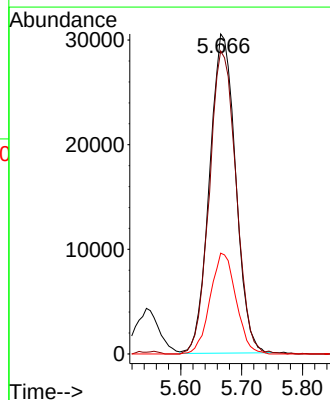
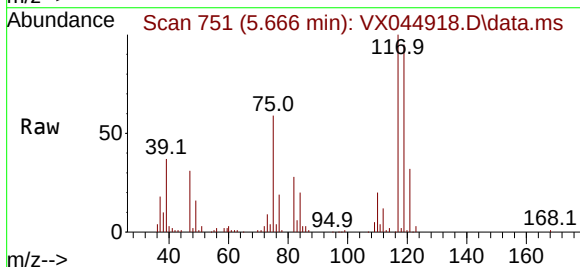
Tgt Ion: 117 Resp: 90581

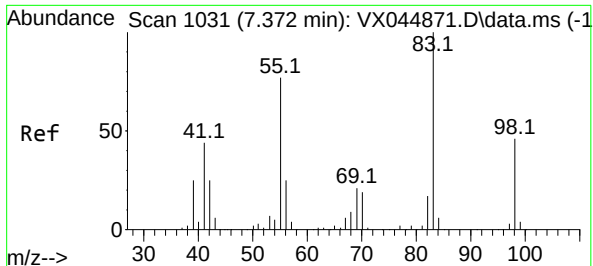
Ion Ratio Lower Upper

117 100

119 95.1 77.5 116.3

121 31.6 25.6 38.4





#39

Methylcyclohexane

Concen: 48.896 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

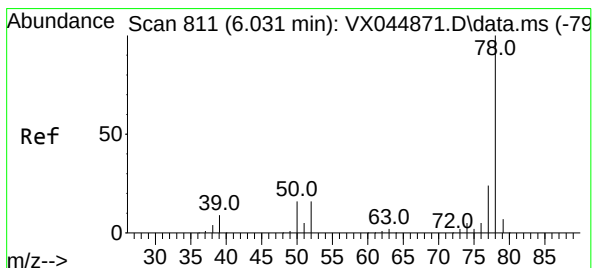
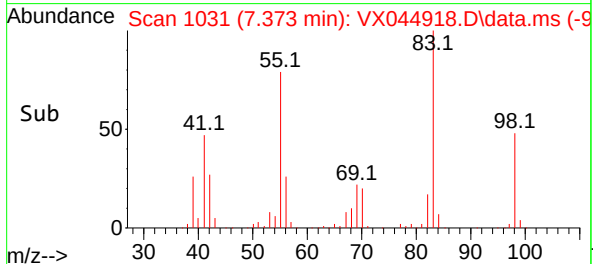
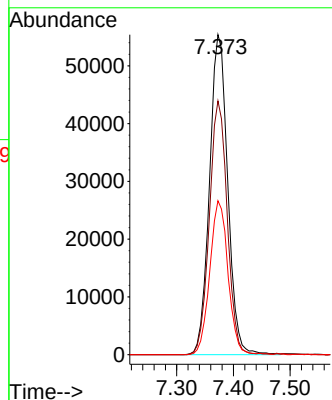
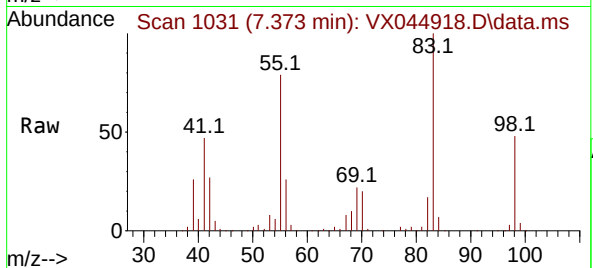
Tgt Ion: 83 Resp: 123769

Ion Ratio Lower Upper

83 100

55 79.3 61.3 91.9

98 48.1 37.0 55.6



#40

Benzene

Concen: 49.575 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044918.D

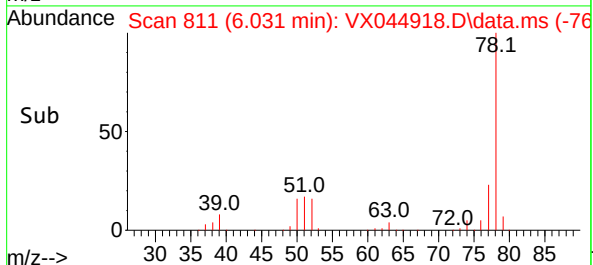
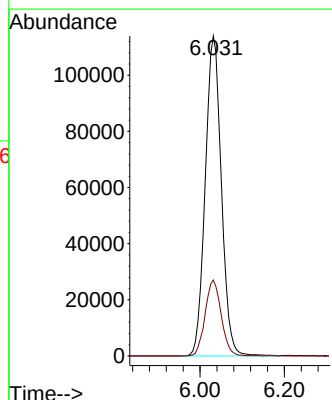
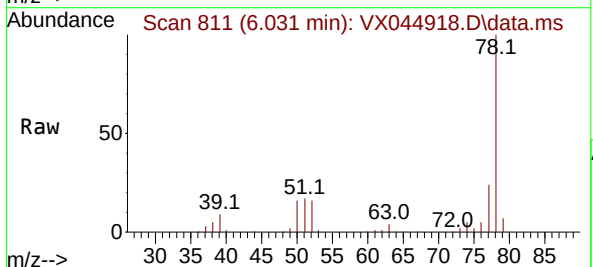
Acq: 11 Feb 2025 19:50

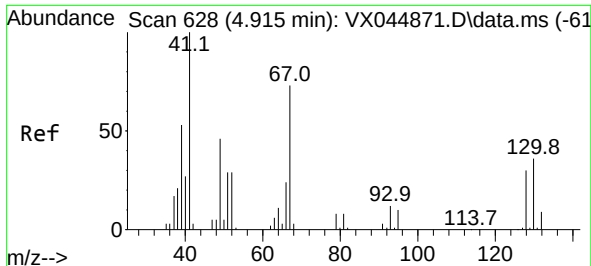
Tgt Ion: 78 Resp: 303089

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.6



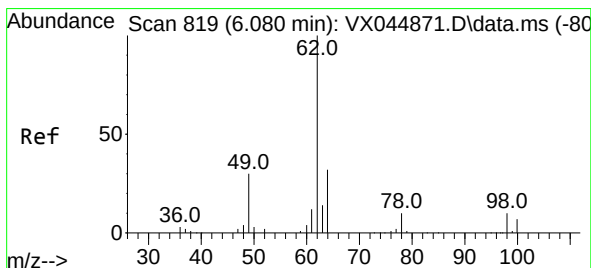
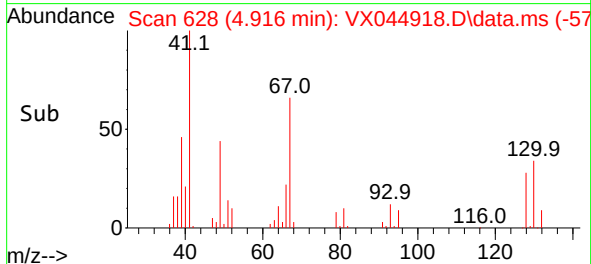
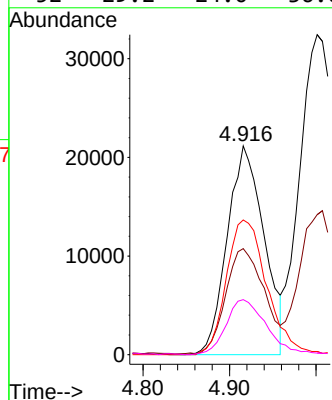
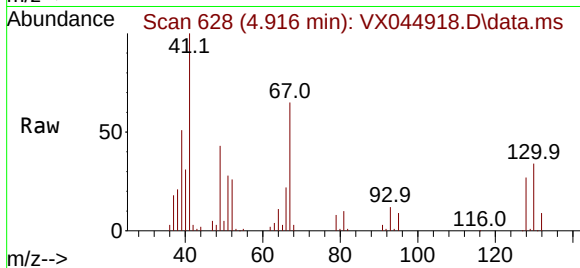


#41
Methacrylonitrile
Concen: 53.690 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 62585

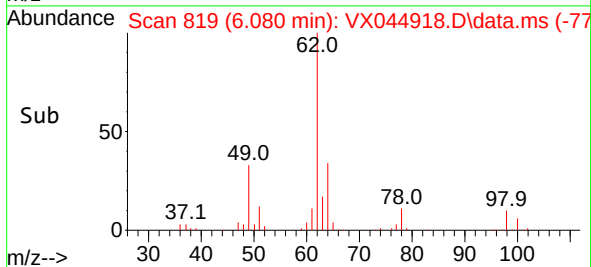
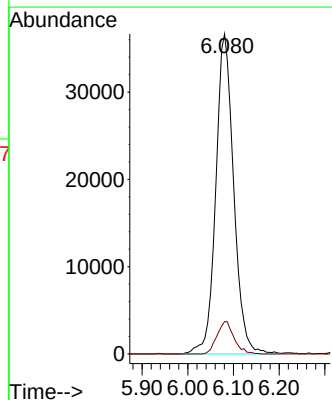
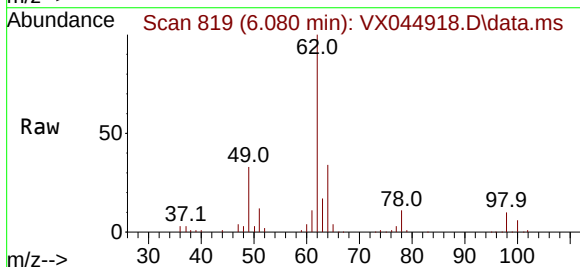
Ion	Ratio	Lower	Upper
41	100		
39	52.8	43.1	64.7
67	71.3	57.0	85.6
52	29.2	24.0	36.0

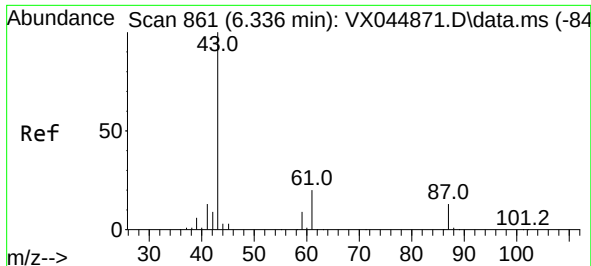


#42
1,2-Dichloroethane
Concen: 51.275 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 62 Resp: 99909

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4

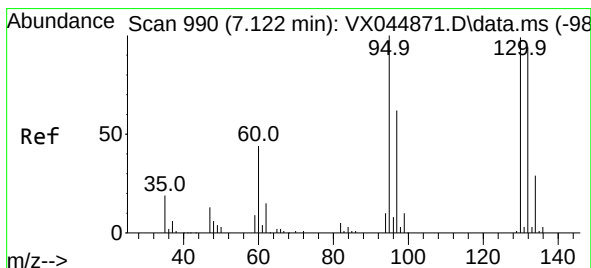
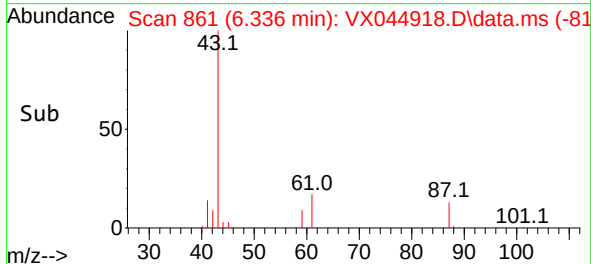
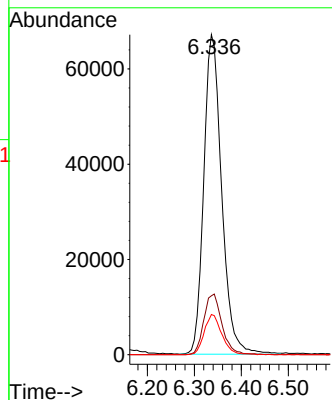
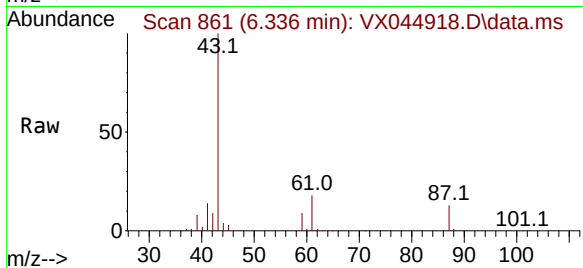




#43
Isopropyl Acetate
Concen: 50.486 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

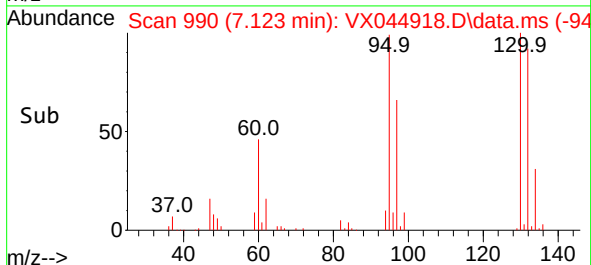
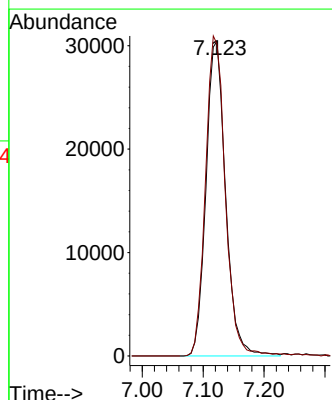
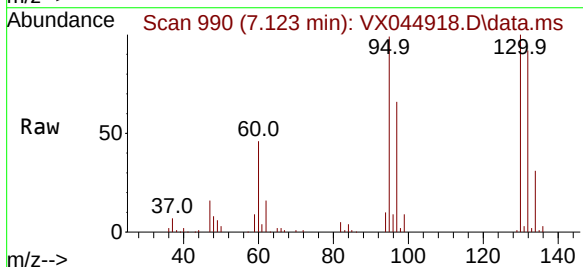
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

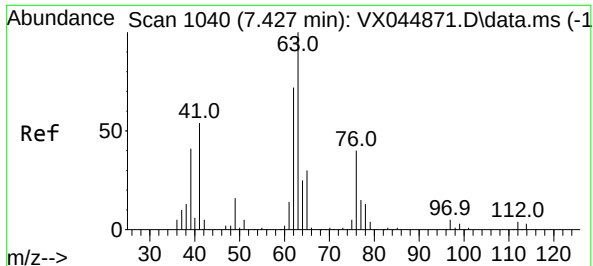
Tgt Ion: 43 Resp: 177546
Ion Ratio Lower Upper
43 100
61 19.3 15.8 23.8
87 12.3 10.0 15.0



#44
Trichloroethene
Concen: 48.777 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:130 Resp: 68162
Ion Ratio Lower Upper
130 100
95 99.1 0.0 202.4





#45

1,2-Dichloropropane

Concen: 49.460 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

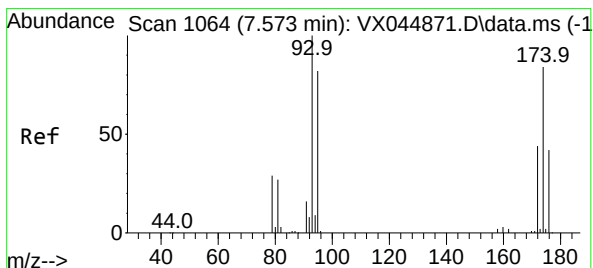
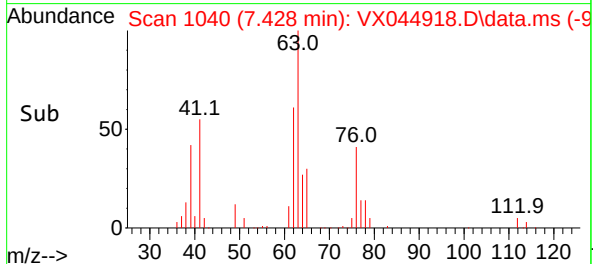
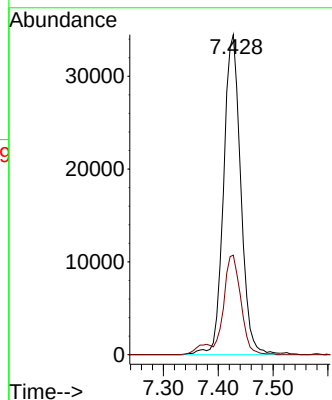
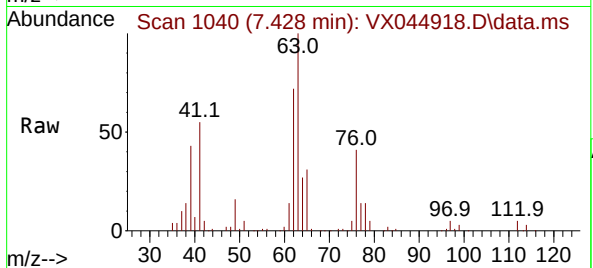
VSTDCCC050EC

Tgt Ion: 63 Resp: 75229

Ion Ratio Lower Upper

63 100

65 31.1 24.2 36.4



#46

Dibromomethane

Concen: 50.552 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

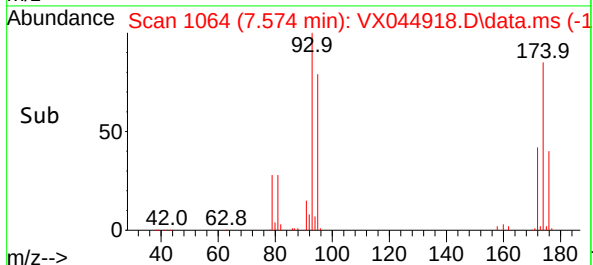
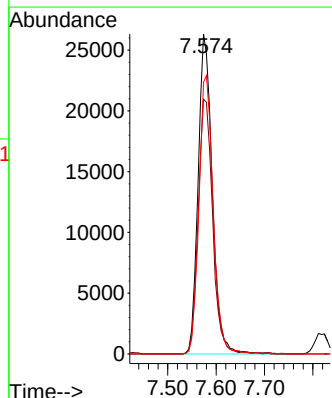
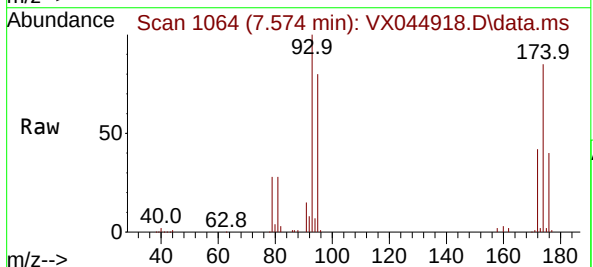
Tgt Ion: 93 Resp: 53323

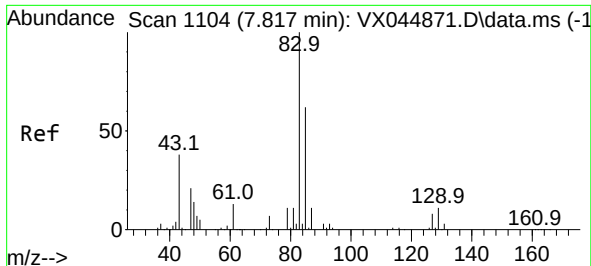
Ion Ratio Lower Upper

93 100

95 81.5 66.2 99.4

174 87.8 69.9 104.9

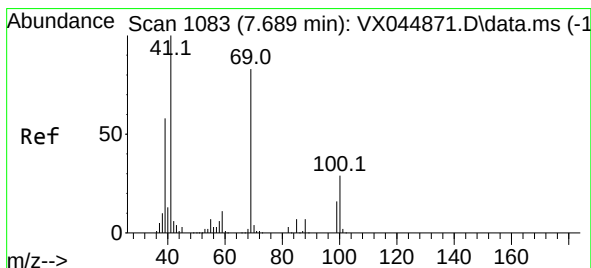
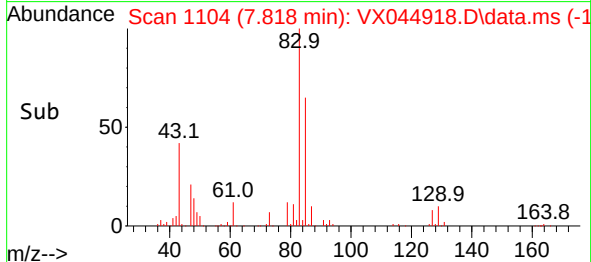
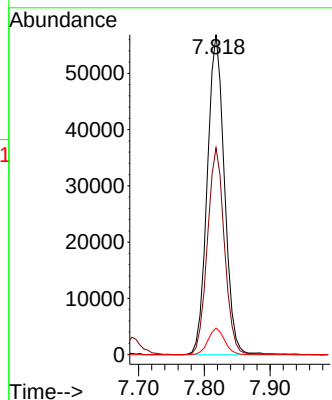
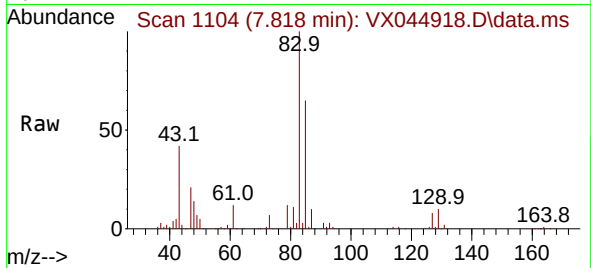




#47
Bromodichloromethane
Concen: 50.475 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

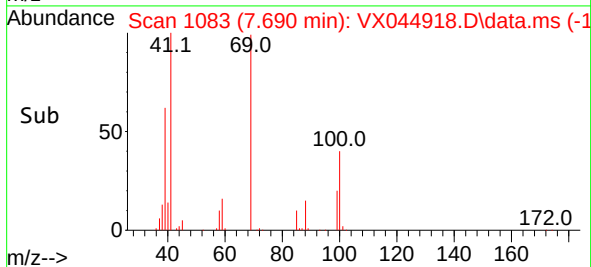
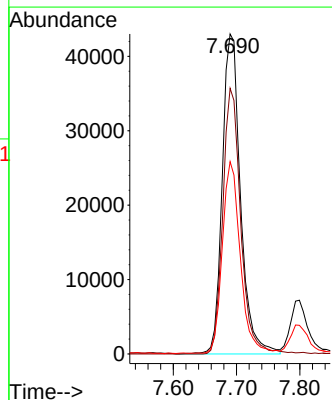
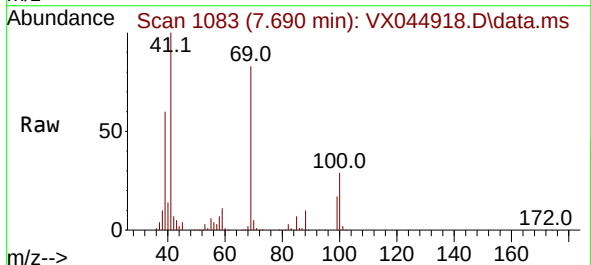
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

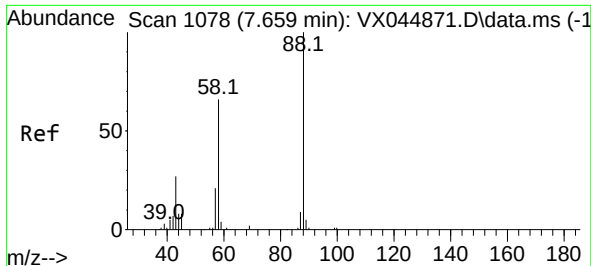
Tgt Ion: 83 Resp: 103091
Ion Ratio Lower Upper
83 100
85 64.7 50.0 75.0
127 8.3 6.4 9.6



#48
Methyl methacrylate
Concen: 51.962 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 41 Resp: 86162
Ion Ratio Lower Upper
41 100
69 81.8 65.8 98.8
39 59.0 46.4 69.6

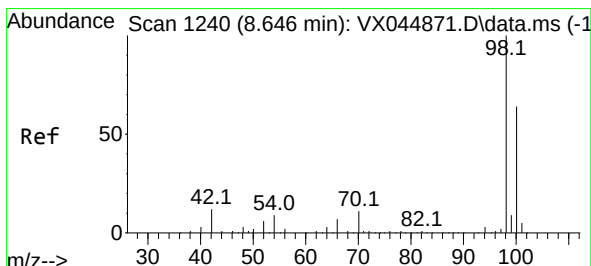
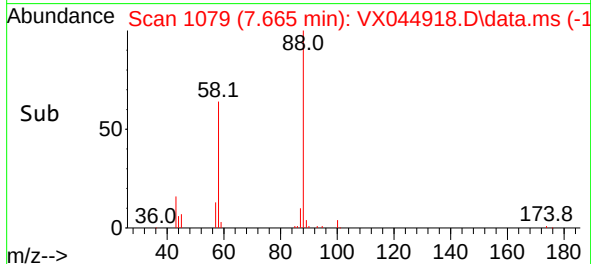
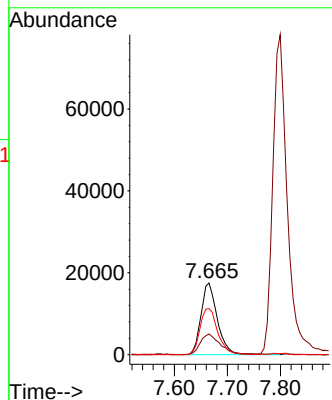
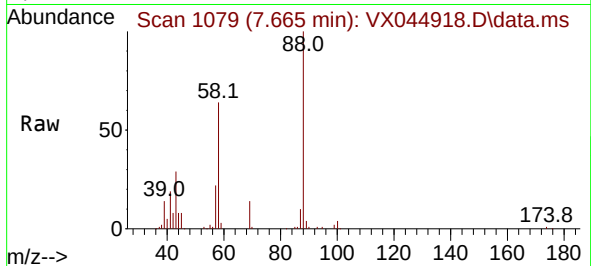




#49
1,4-Dioxane
Concen: 1056.949 ug/l
RT: 7.665 min Scan# 1078
Delta R.T. 0.006 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

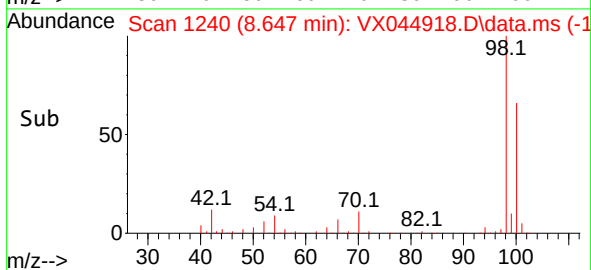
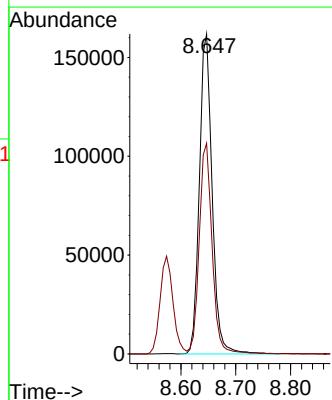
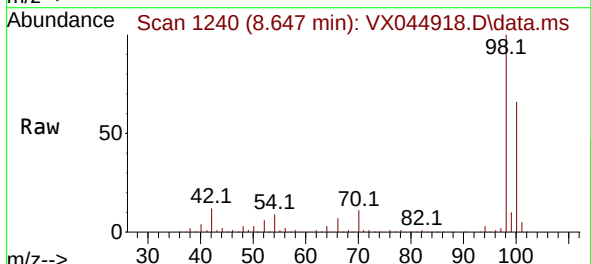
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

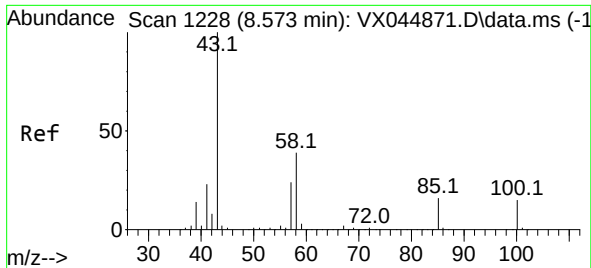
Tgt Ion: 88 Resp: 37602
Ion Ratio Lower Upper
88 100
43 34.0 26.6 39.8
58 69.5 55.9 83.9



#50
Toluene-d8
Concen: 51.148 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 98 Resp: 262476
Ion Ratio Lower Upper
98 100
100 66.3 52.7 79.1

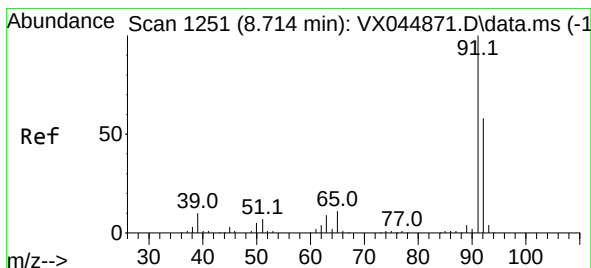
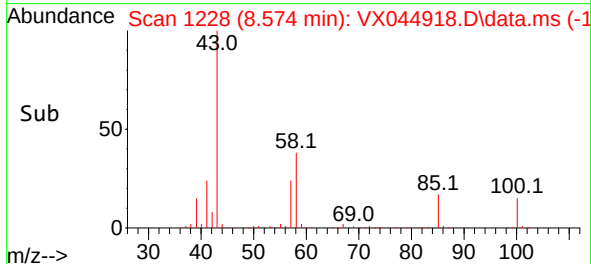
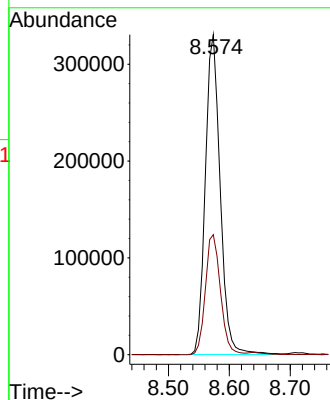
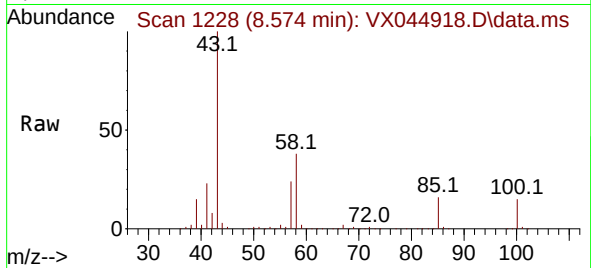




#51
4-Methyl-2-Pentanone
Concen: 262.440 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

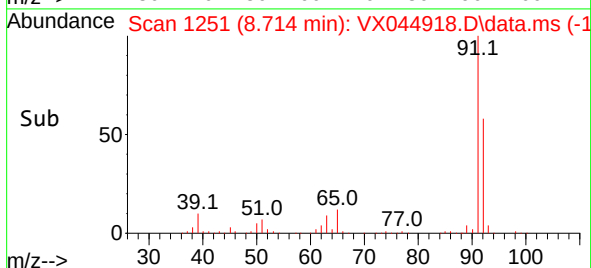
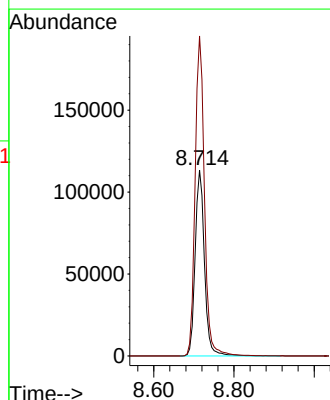
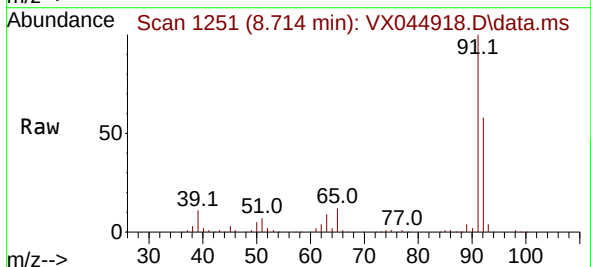
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

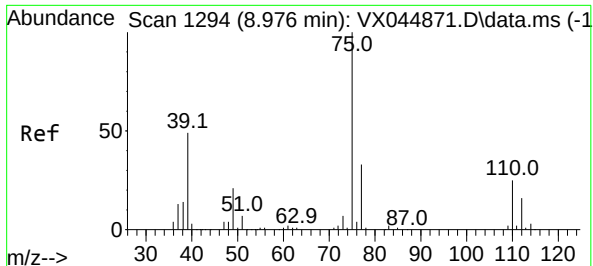
Tgt Ion: 43 Resp: 561087
Ion Ratio Lower Upper
43 100
58 38.1 30.8 46.2



#52
Toluene
Concen: 50.199 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 92 Resp: 182775
Ion Ratio Lower Upper
92 100
91 172.6 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 48.347 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

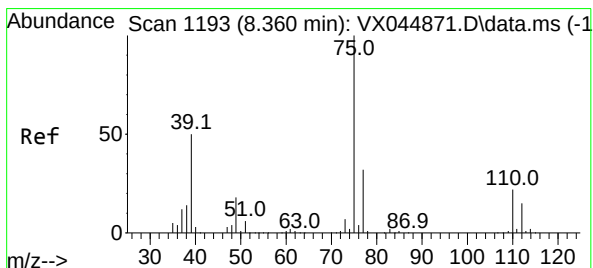
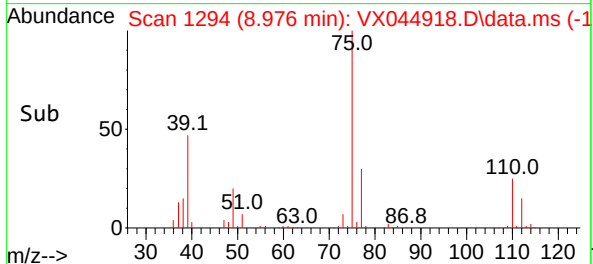
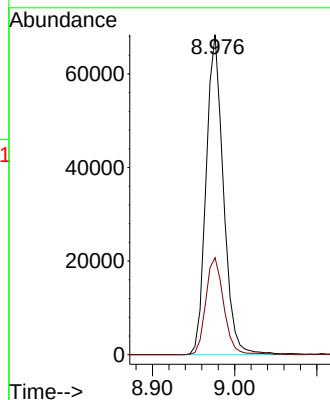
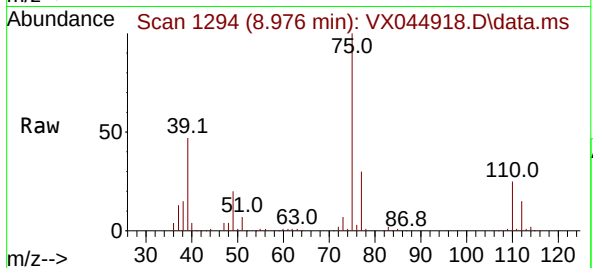
VSTDCCC050EC

Tgt Ion: 75 Resp: 99925

Ion Ratio Lower Upper

75 100

77 30.3 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 49.051 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

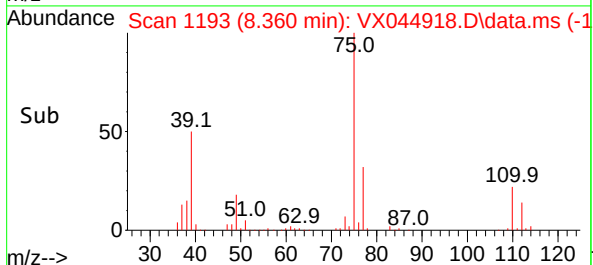
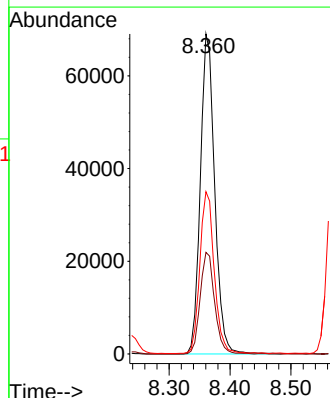
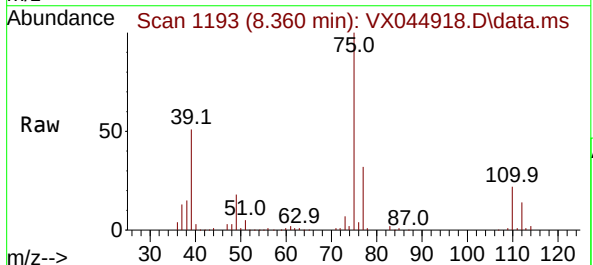
Tgt Ion: 75 Resp: 113036

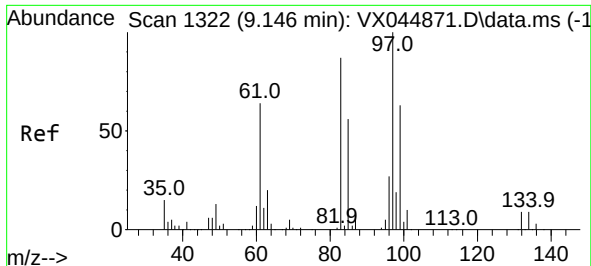
Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9

39 50.5 40.0 60.0

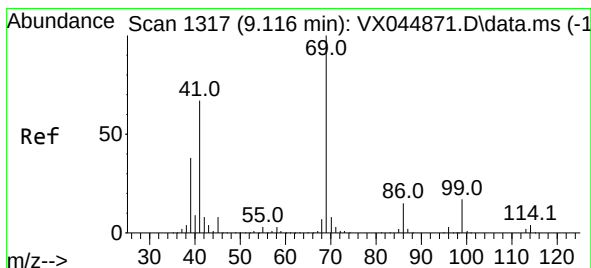
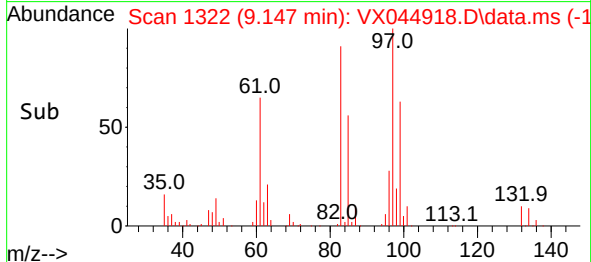
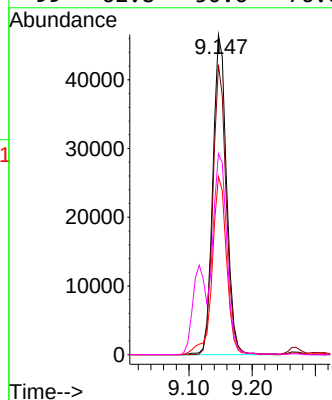
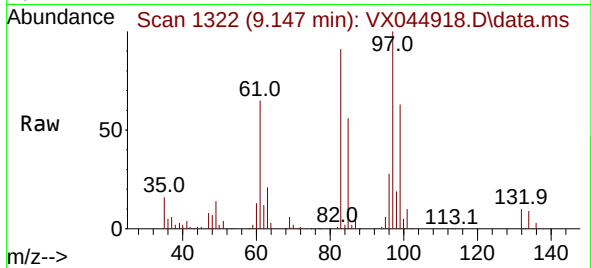




#55
 1,1,2-Trichloroethane
 Concen: 50.149 ug/l
 RT: 9.147 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044918.D
 Acq: 11 Feb 2025 19:50

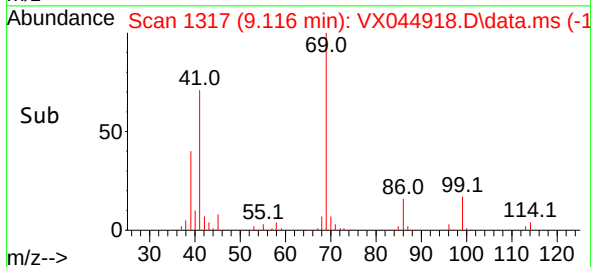
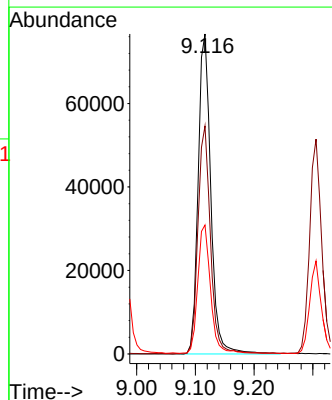
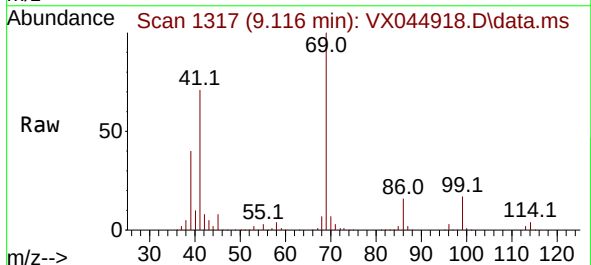
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

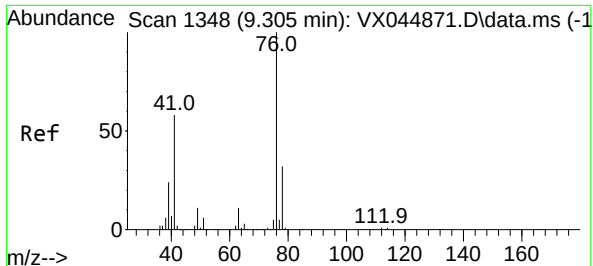
Tgt Ion:	97	Resp:	70192
Ion	Ratio	Lower	Upper
97	100		
83	90.6	69.8	104.6
85	55.7	44.8	67.2
99	62.8	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 50.884 ug/l
 RT: 9.116 min Scan# 1317
 Delta R.T. 0.000 min
 Lab File: VX044918.D
 Acq: 11 Feb 2025 19:50

Tgt Ion:	69	Resp:	115029
Ion	Ratio	Lower	Upper
69	100		
41	70.6	55.2	82.8
39	40.3	30.8	46.2





#57

1,3-Dichloropropane

Concen: 50.387 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

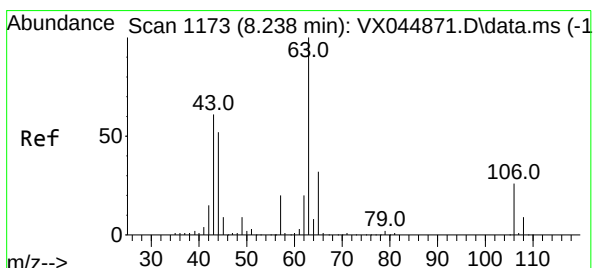
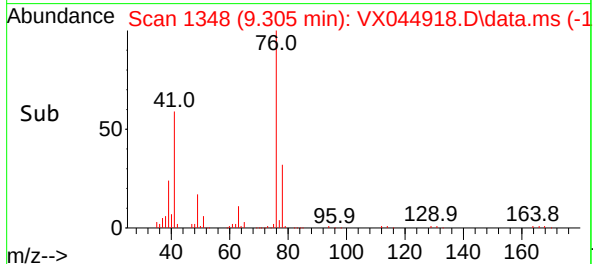
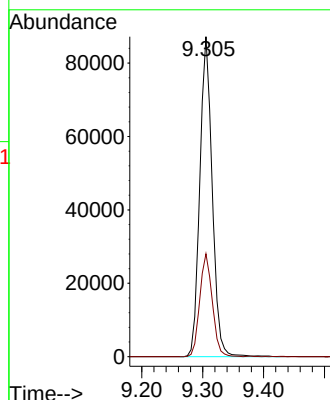
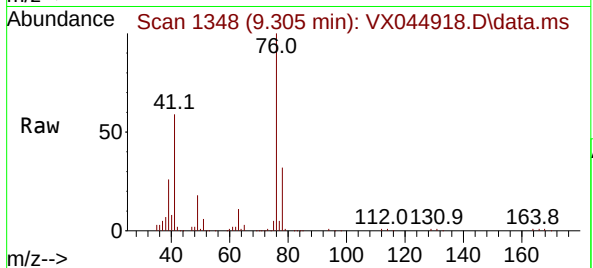
VSTDCCC050EC

Tgt Ion: 76 Resp: 123396

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 262.486 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044918.D

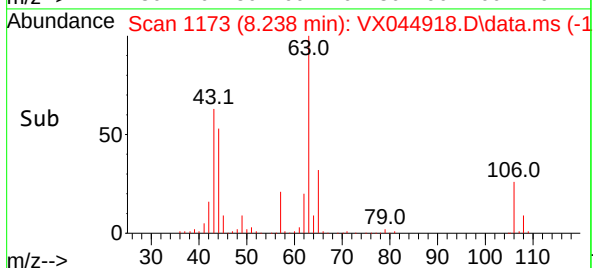
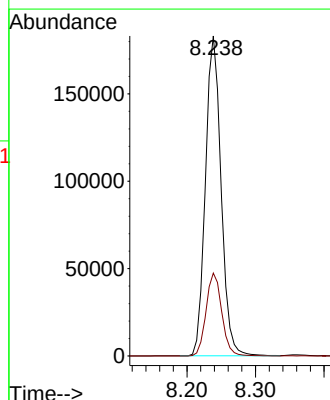
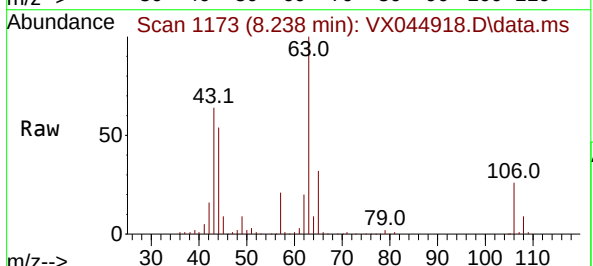
Acq: 11 Feb 2025 19:50

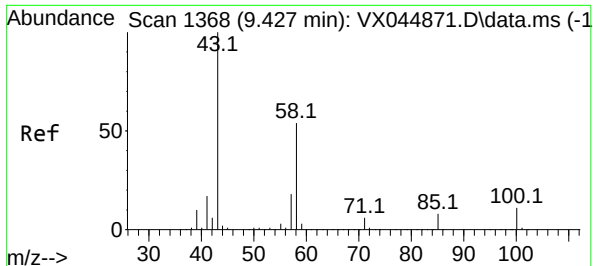
Tgt Ion: 63 Resp: 291354

Ion Ratio Lower Upper

63 100

106 26.0 21.3 31.9





#59

2-Hexanone

Concen: 268.451 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

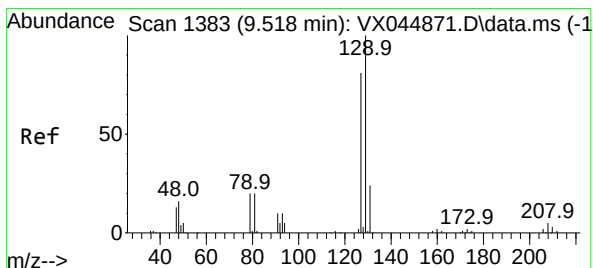
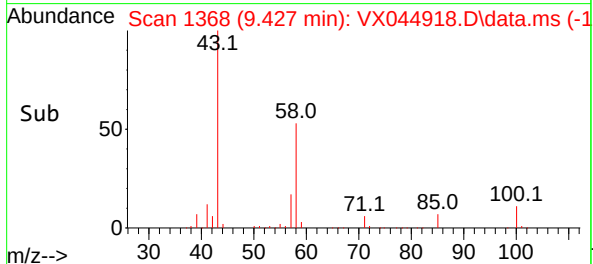
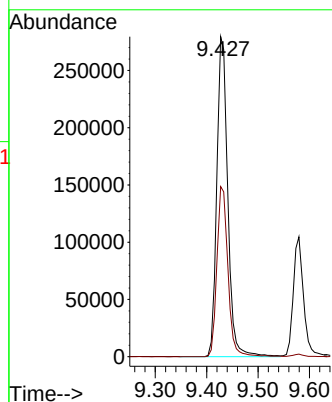
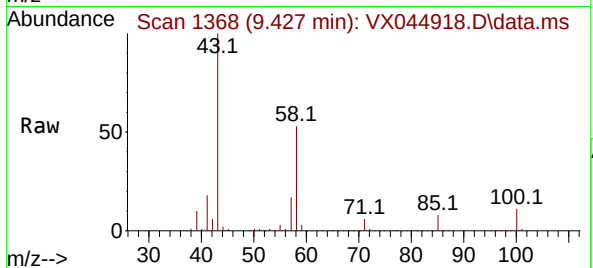
VSTDCCC050EC

Tgt Ion: 43 Resp: 413528

Ion Ratio Lower Upper

43 100

58 53.6 27.5 82.4



#60

Dibromochloromethane

Concen: 50.063 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044918.D

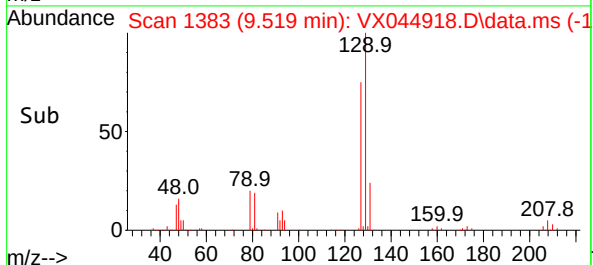
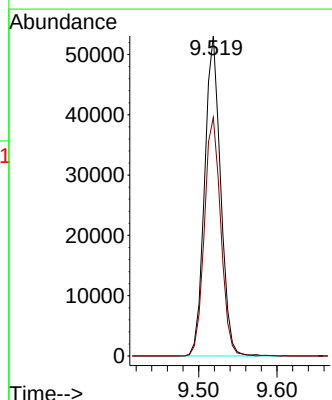
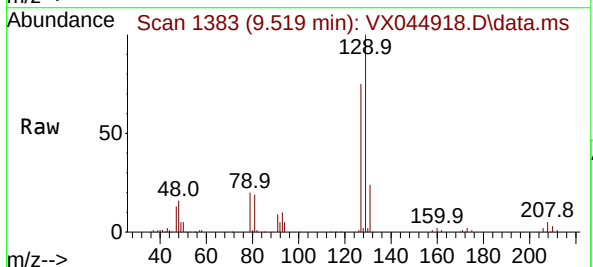
Acq: 11 Feb 2025 19:50

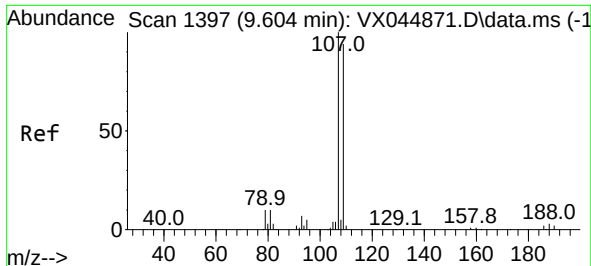
Tgt Ion: 129 Resp: 74939

Ion Ratio Lower Upper

129 100

127 76.3 39.1 117.3

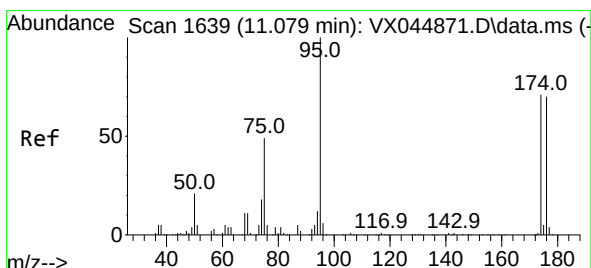
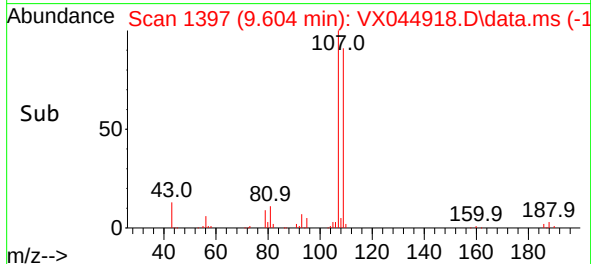
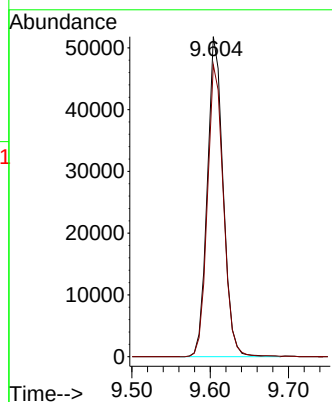
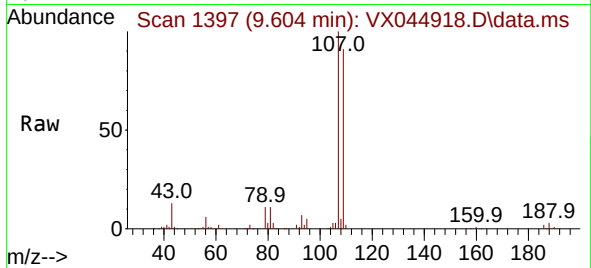




#61
1,2-Dibromoethane
Concen: 51.047 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

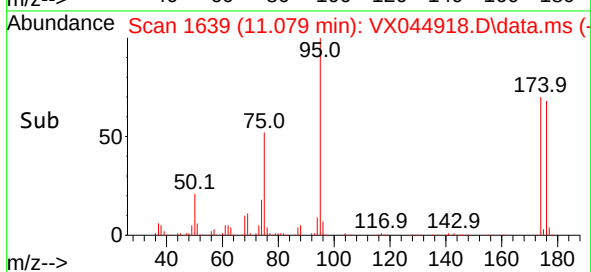
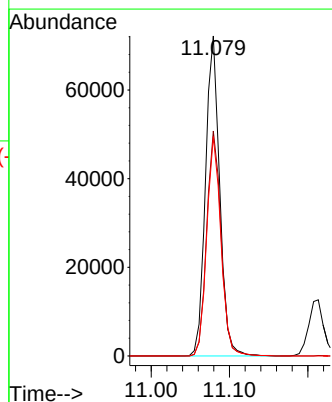
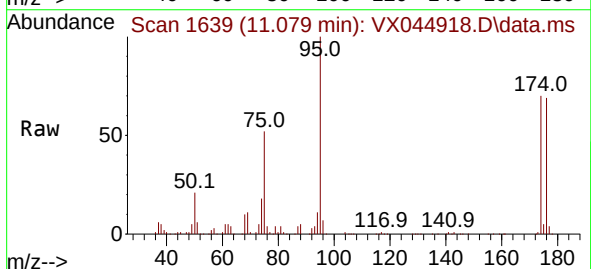
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

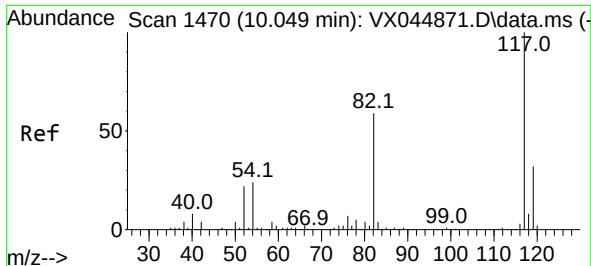
Tgt Ion:107 Resp: 72417
Ion Ratio Lower Upper
107 100
109 92.8 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 52.355 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 95 Resp: 90574
Ion Ratio Lower Upper
95 100
174 71.4 0.0 142.6
176 68.7 0.0 141.6

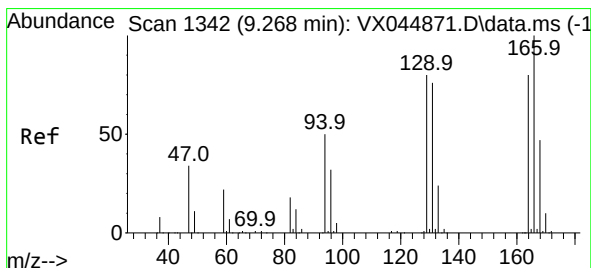
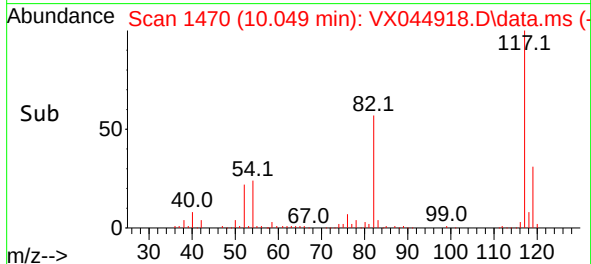
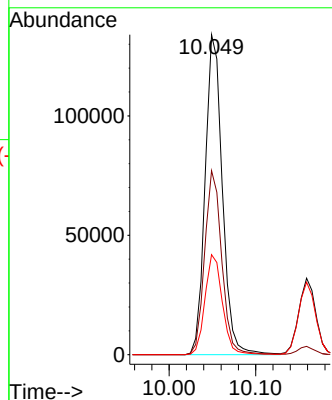
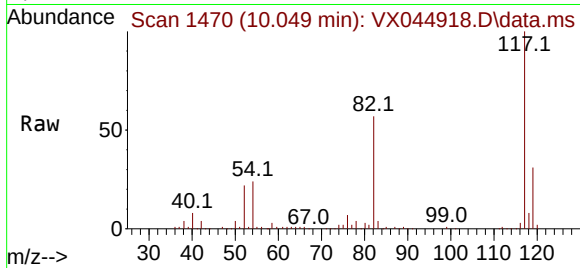




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

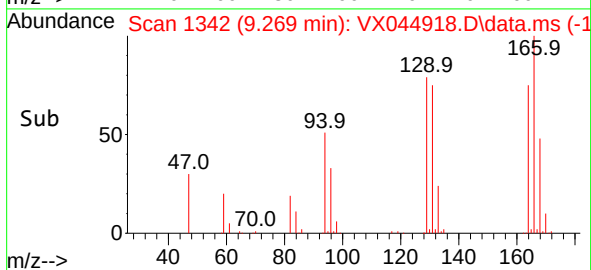
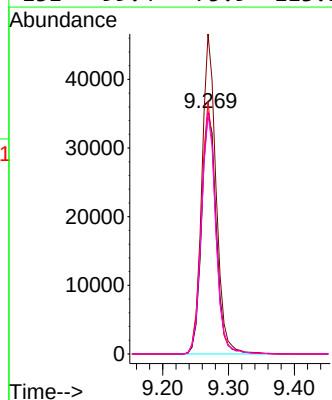
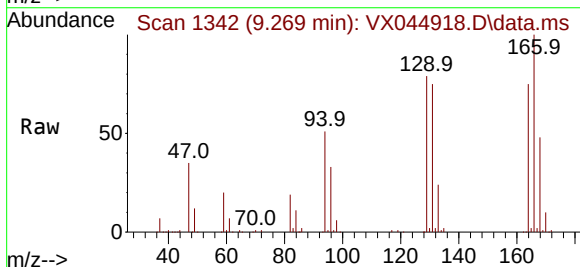
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

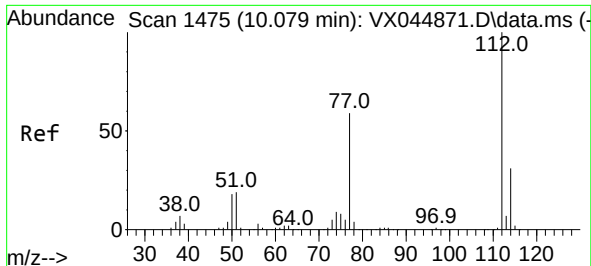
Tgt Ion:117 Resp: 185334
Ion Ratio Lower Upper
117 100
82 57.5 47.5 71.3
119 31.2 25.4 38.0



#64
Tetrachloroethene
Concen: 46.738 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:164 Resp: 54627
Ion Ratio Lower Upper
164 100
166 132.8 100.4 150.6
129 104.6 79.9 119.9
131 99.4 75.9 113.9

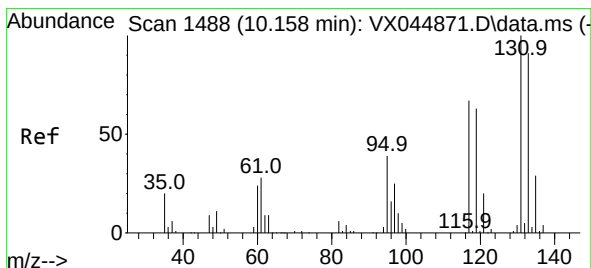
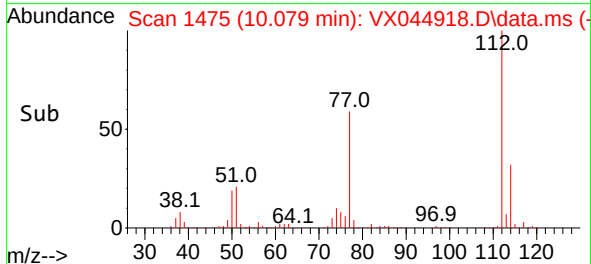
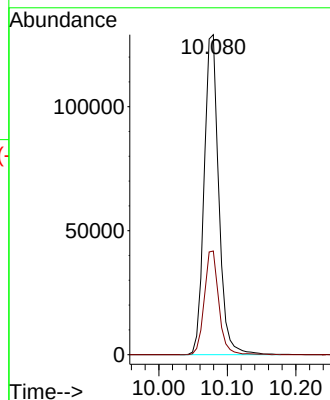
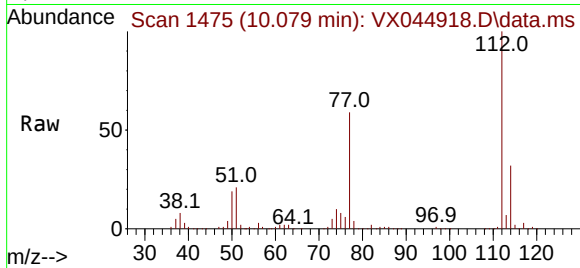




#65
Chlorobenzene
Concen: 48.179 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

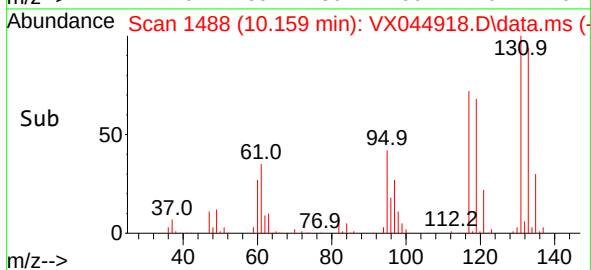
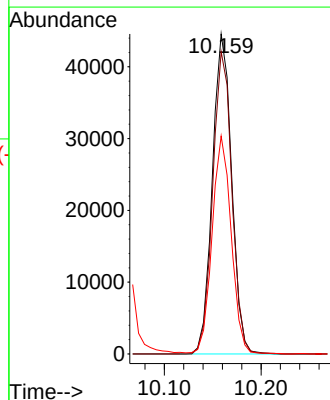
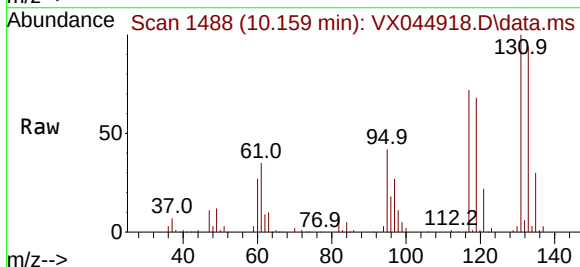
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

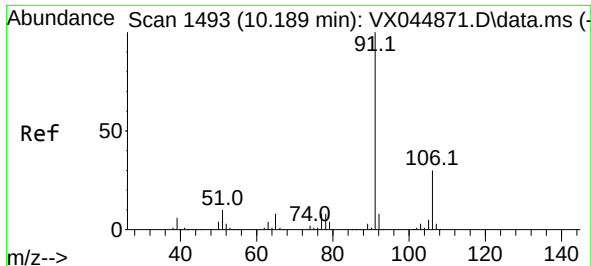
Tgt Ion:112 Resp: 191785
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 48.081 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:131 Resp: 61604
Ion Ratio Lower Upper
131 100
133 94.1 47.1 141.3
119 67.9 33.6 100.6





#67

Ethyl Benzene

Concen: 49.286 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

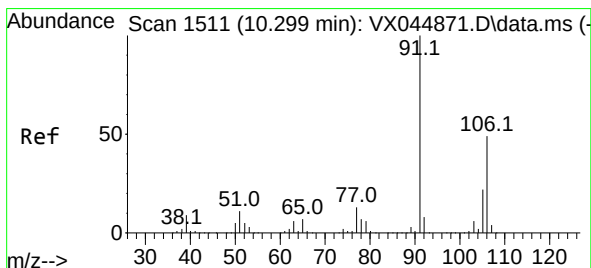
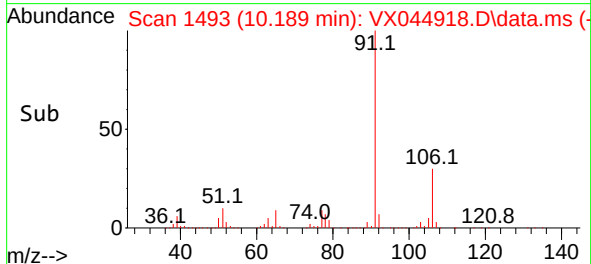
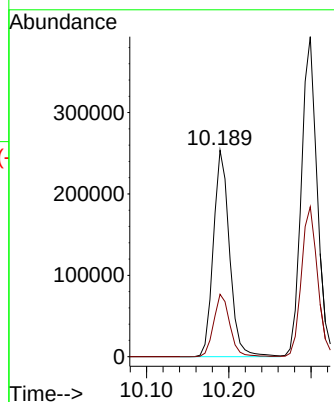
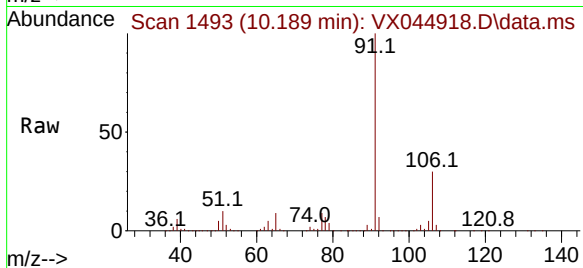
VSTDCCC050EC

Tgt Ion: 91 Resp: 346217

Ion Ratio Lower Upper

91 100

106 30.2 23.9 35.9



#68

m/p-Xylenes

Concen: 97.924 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044918.D

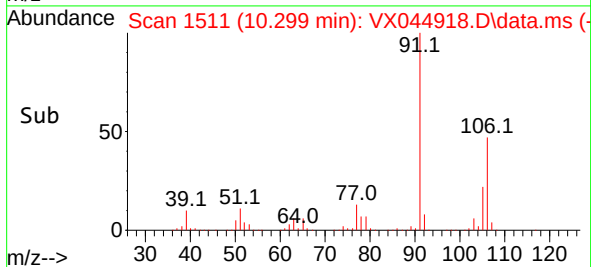
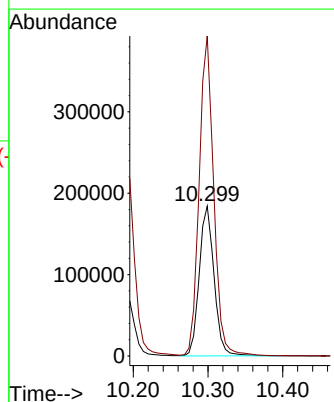
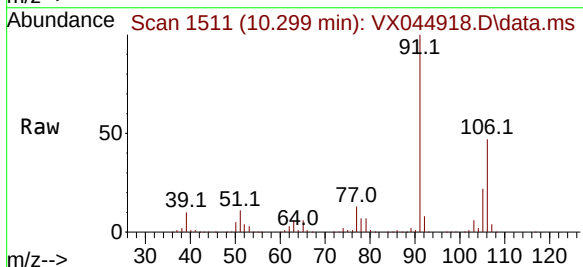
Acq: 11 Feb 2025 19:50

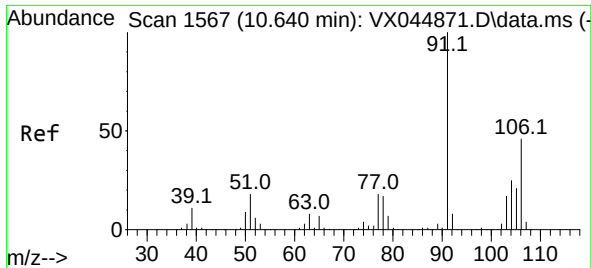
Tgt Ion:106 Resp: 253750

Ion Ratio Lower Upper

106 100

91 209.5 164.3 246.5

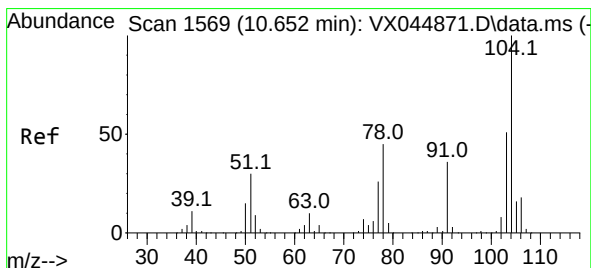
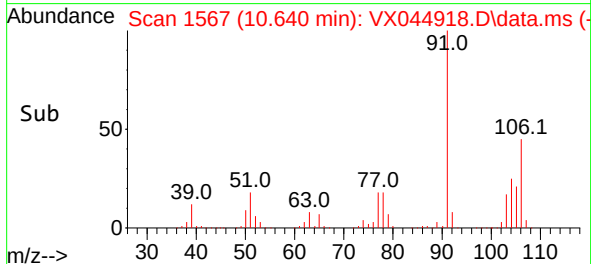
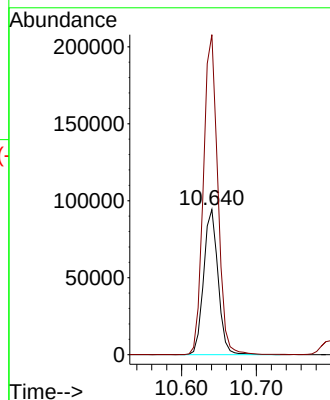
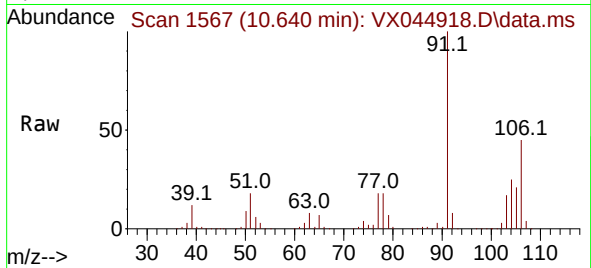




#69
o-Xylene
Concen: 48.465 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

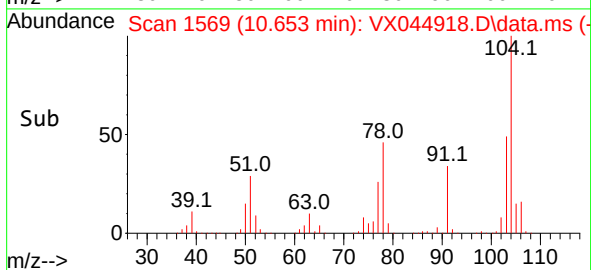
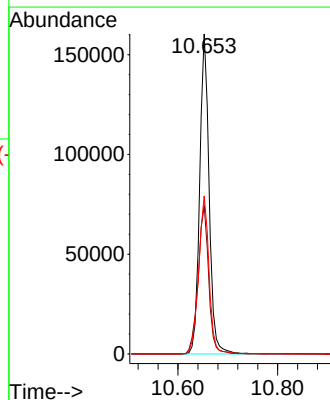
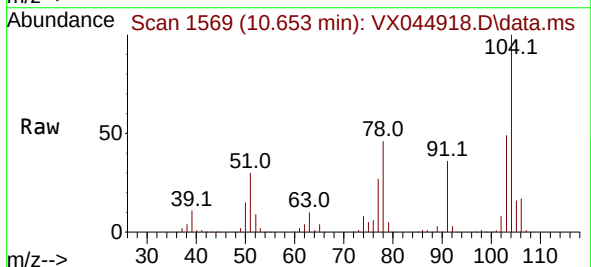
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

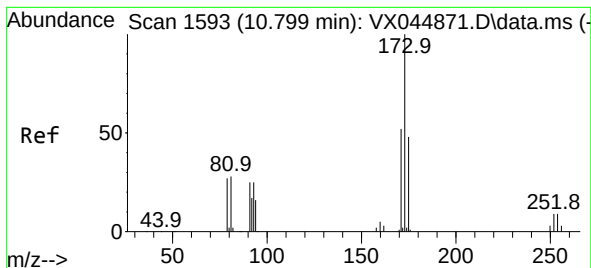
Tgt Ion:106 Resp: 126016
Ion Ratio Lower Upper
106 100
91 220.1 108.5 325.5



#70
Styrene
Concen: 50.389 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion:104 Resp: 211083
Ion Ratio Lower Upper
104 100
78 51.6 40.5 60.7
103 54.6 43.6 65.4





#71

Bromoform

Concen: 49.045 ug/l

RT: 10.799 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

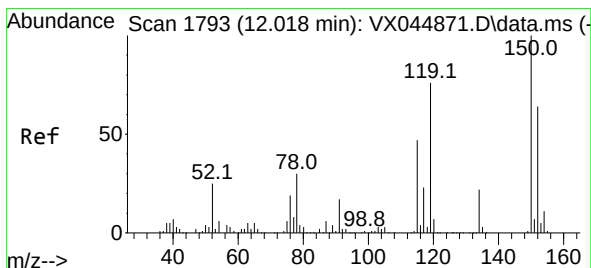
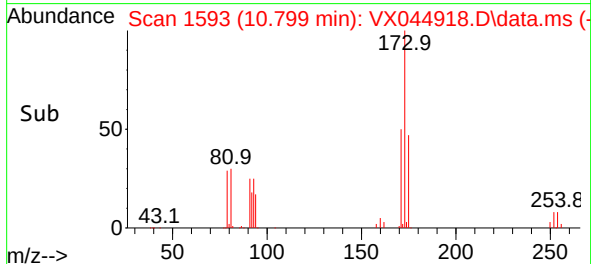
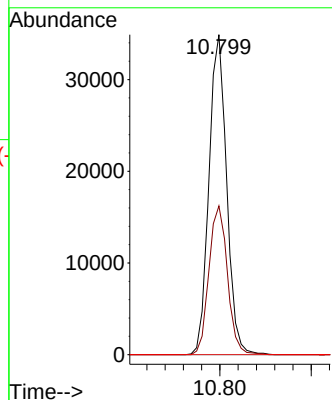
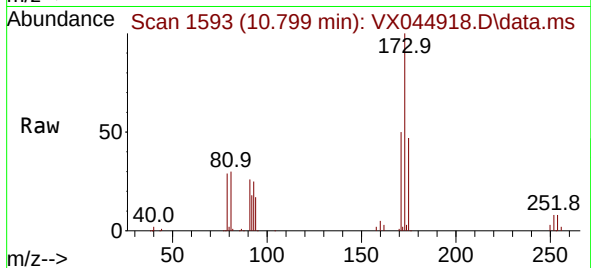
Tgt Ion:173 Resp: 46897

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: VX044918.D

Acq: 11 Feb 2025 19:50

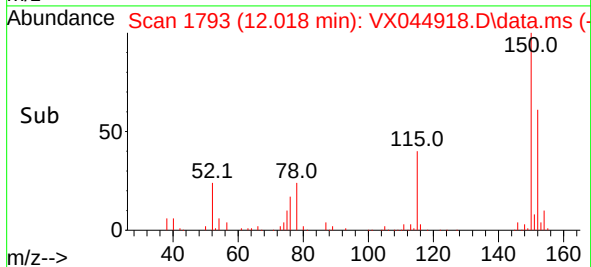
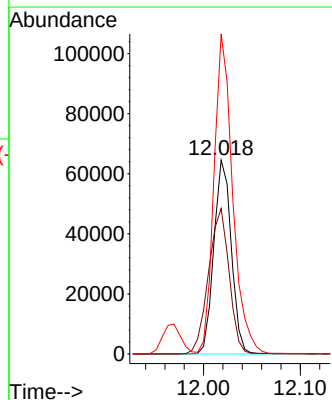
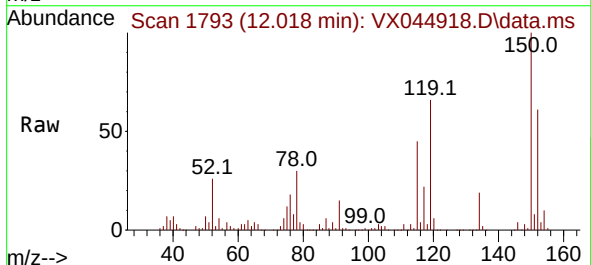
Tgt Ion:152 Resp: 80910

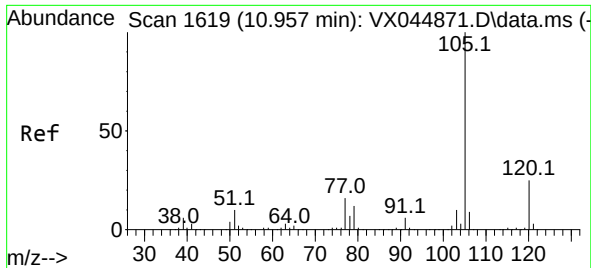
Ion Ratio Lower Upper

152 100

115 88.6 43.4 130.1

150 177.4 0.0 350.4

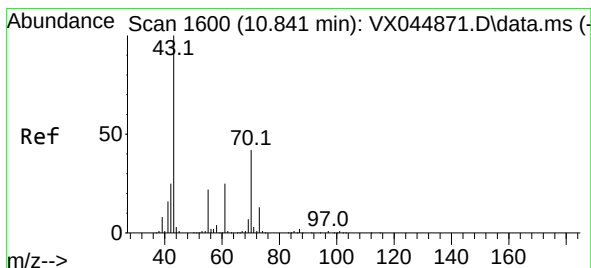
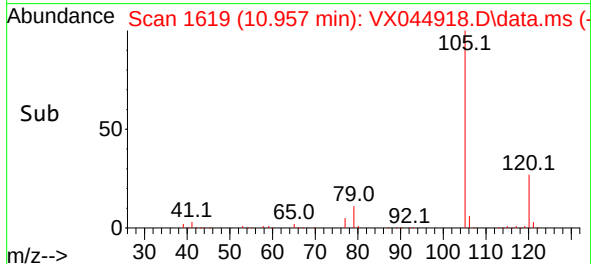
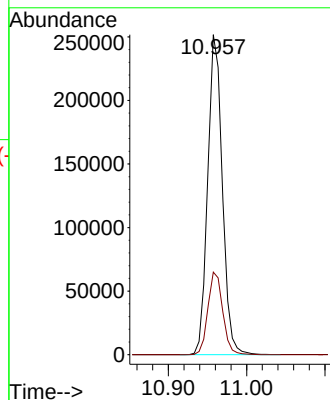
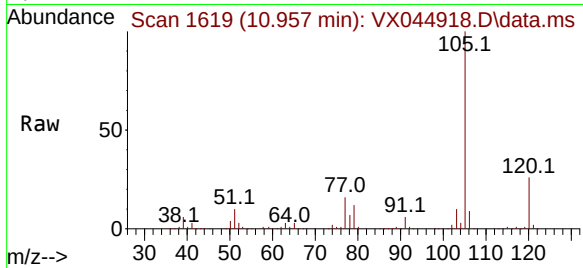




#73
Isopropylbenzene
Concen: 49.916 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

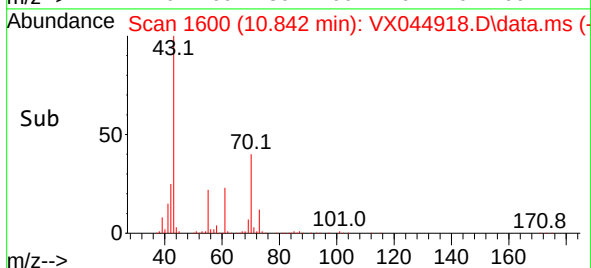
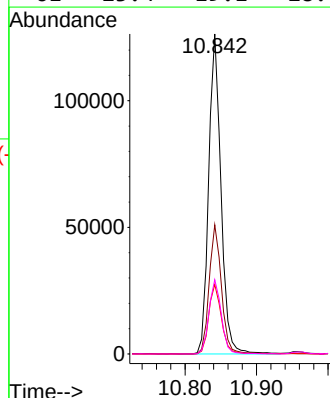
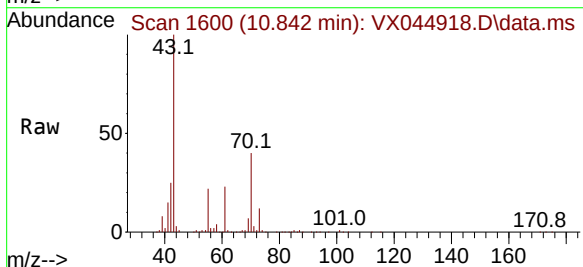
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

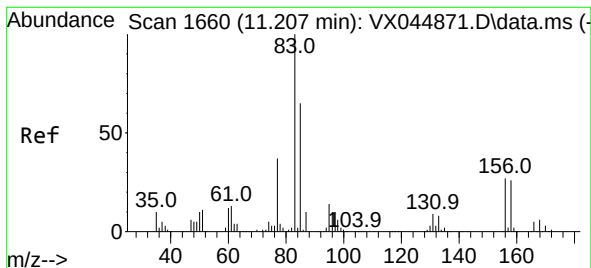
Tgt Ion:105 Resp: 325195
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.5



#74
N-ethyl acetate
Concen: 51.312 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 43 Resp: 151270
Ion Ratio Lower Upper
43 100
70 40.2 33.7 50.5
55 22.5 18.6 27.8
61 23.4 19.1 28.7

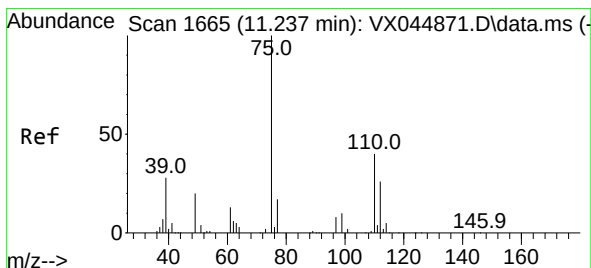
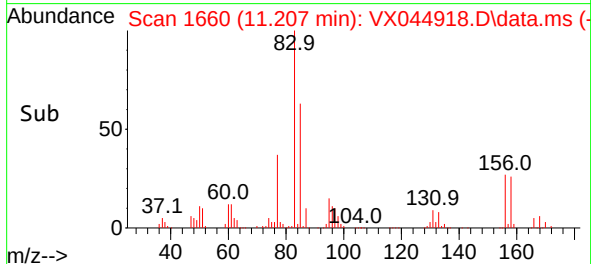
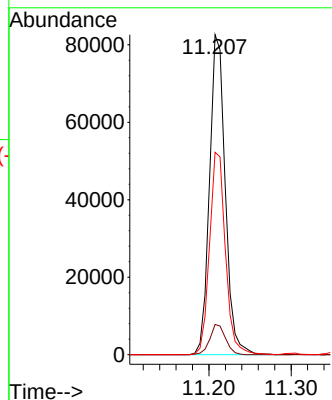
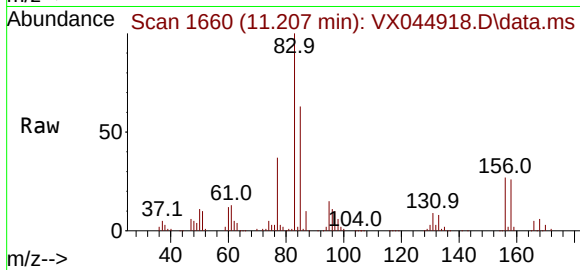




#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.048 ug/l
 RT: 11.207 min Scan# 1660
 Delta R.T. 0.000 min
 Lab File: VX044918.D
 Acq: 11 Feb 2025 19:50

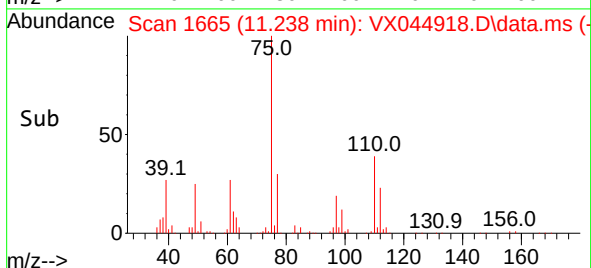
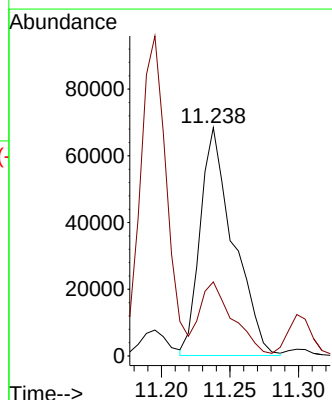
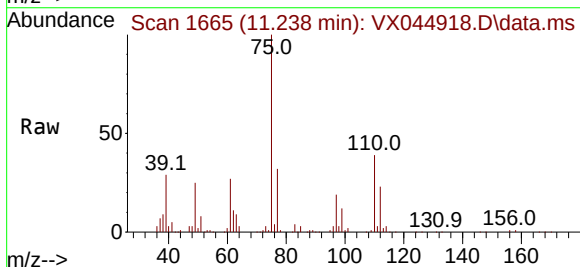
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

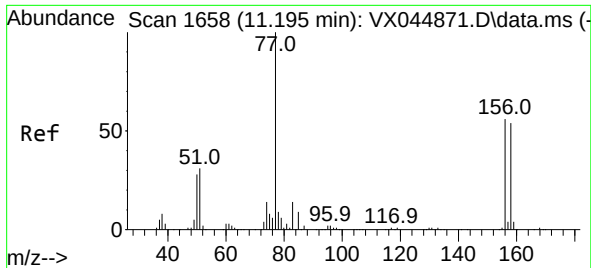
Tgt Ion: 83 Resp: 109803
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.5 13.5
 85 63.9 32.3 96.8



#76
 1,2,3-Trichloropropane
 Concen: 64.274 ug/l
 RT: 11.238 min Scan# 1665
 Delta R.T. 0.000 min
 Lab File: VX044918.D
 Acq: 11 Feb 2025 19:50

Tgt Ion: 75 Resp: 115301
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.9 65.7

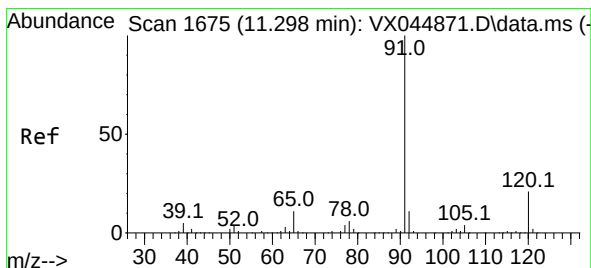
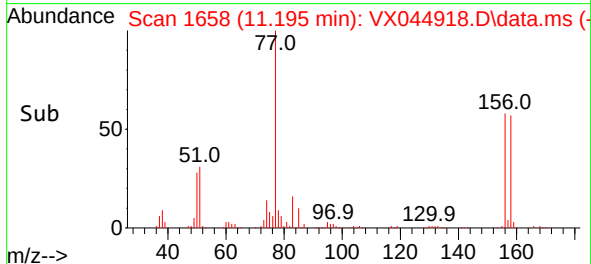
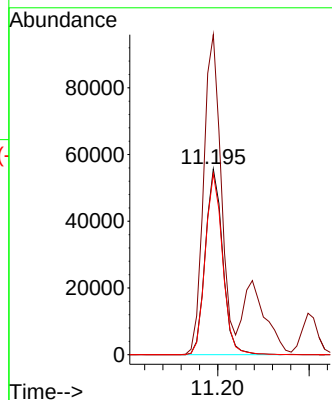
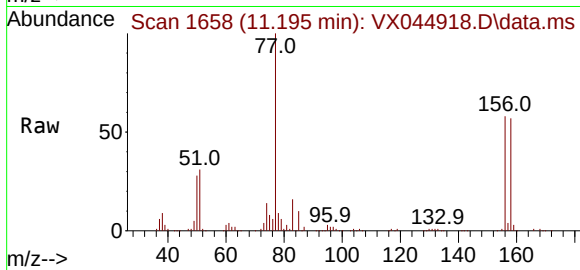




#77
Bromobenzene
Concen: 49.464 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

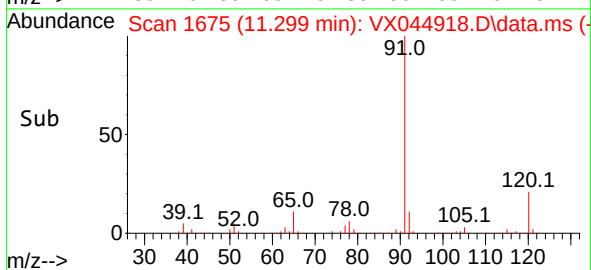
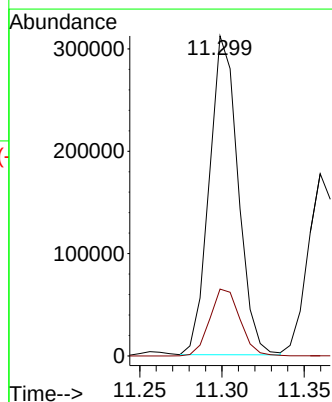
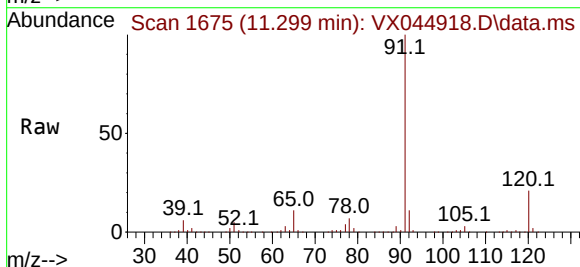
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

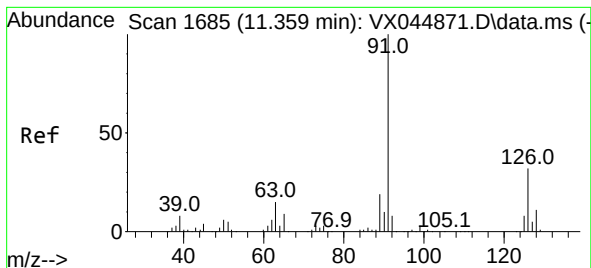
Tgt Ion:156 Resp: 73059
Ion Ratio Lower Upper
156 100
77 174.7 88.4 265.3
158 97.7 48.4 145.2



#78
n-propylbenzene
Concen: 50.468 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 91 Resp: 379500
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3





#79

2-Chlorotoluene

Concen: 48.410 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

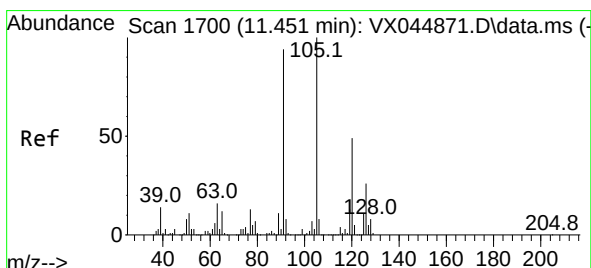
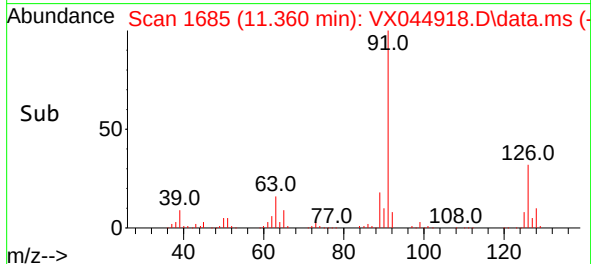
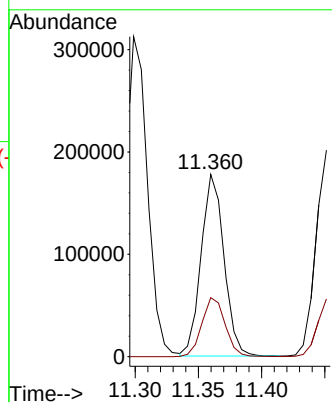
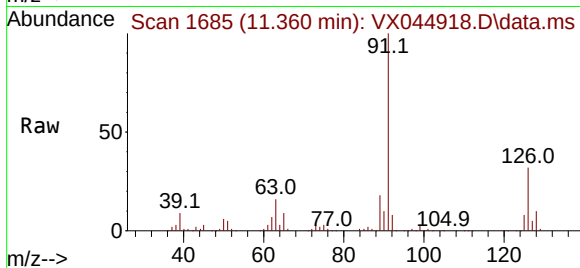
VSTDCCC050EC

Tgt Ion: 91 Resp: 223727

Ion Ratio Lower Upper

91 100

126 33.3 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 50.528 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044918.D

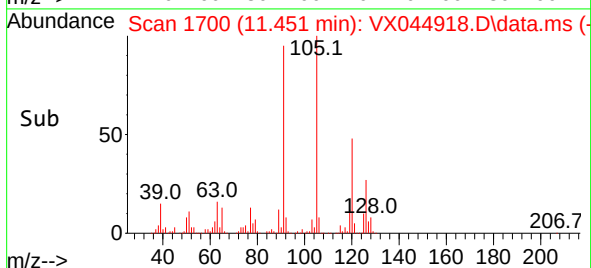
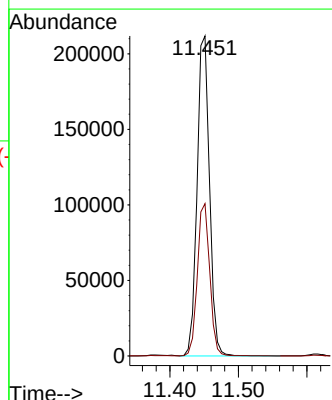
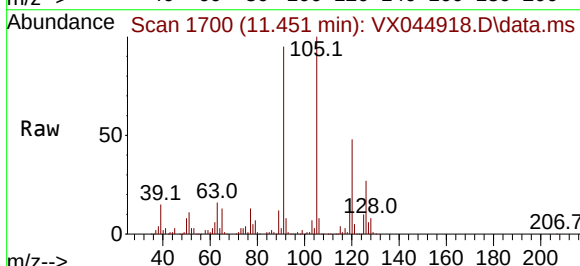
Acq: 11 Feb 2025 19:50

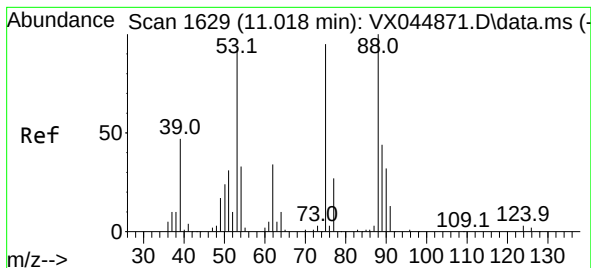
Tgt Ion:105 Resp: 267127

Ion Ratio Lower Upper

105 100

120 47.6 24.0 72.0

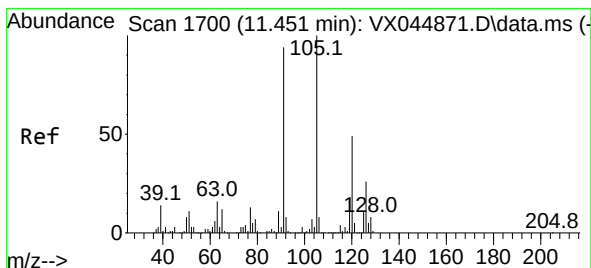
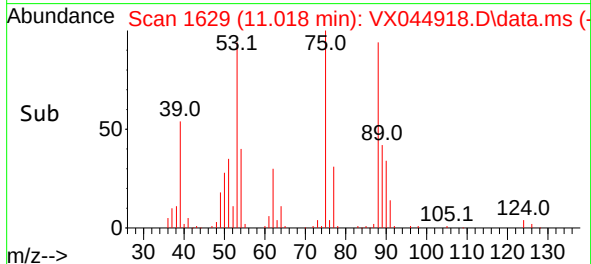
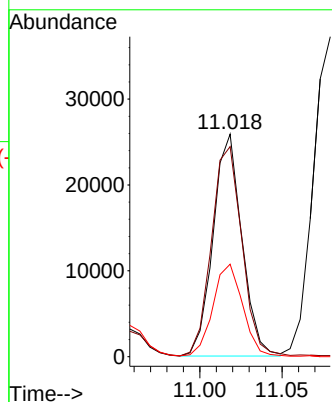
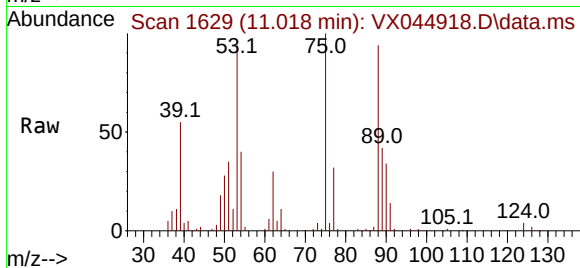




#81
trans-1,4-Dichloro-2-butene
Concen: 45.171 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

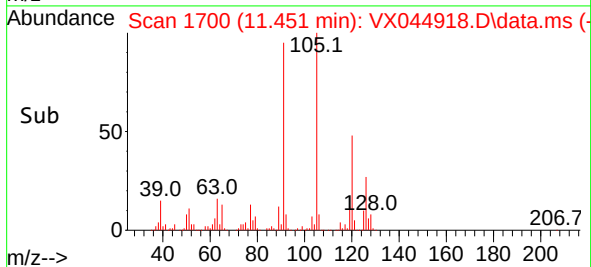
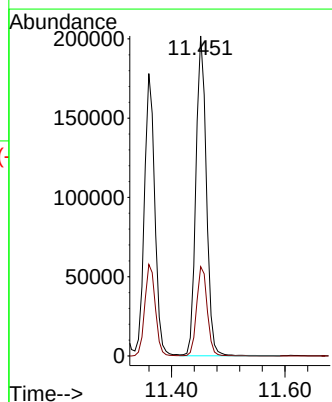
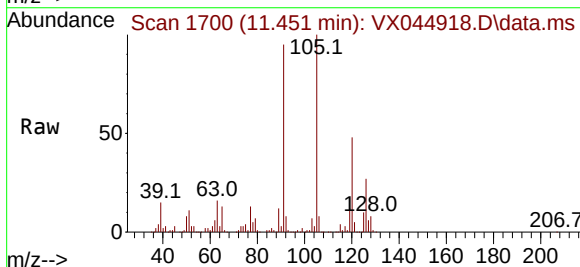
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

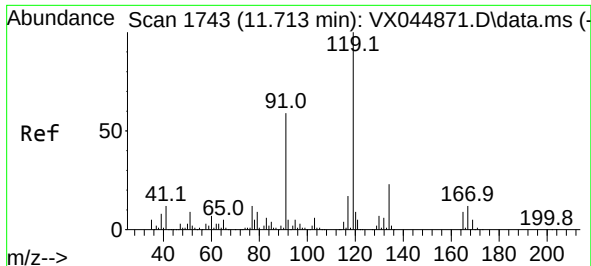
Tgt Ion: 75 Resp: 31501
Ion Ratio Lower Upper
75 100
53 101.4 78.0 117.0
89 43.6 36.6 54.8



#82
4-Chlorotoluene
Concen: 50.364 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 91 Resp: 257507
Ion Ratio Lower Upper
91 100
126 28.4 14.2 42.6

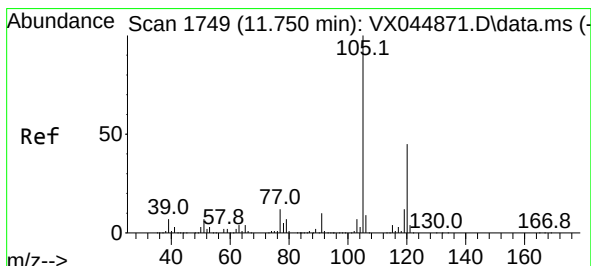
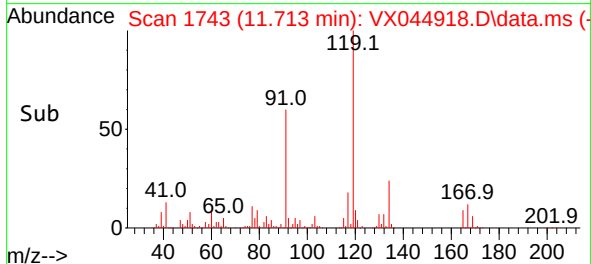
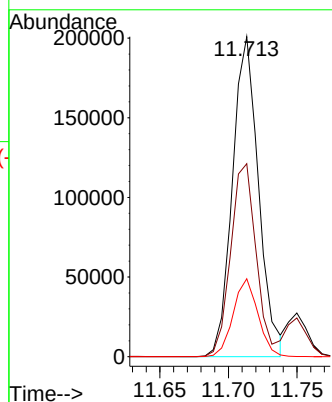
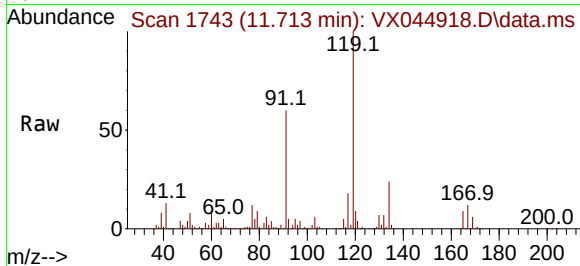




#83
 tert-Butylbenzene
 Concen: 49.697 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. 0.000 min
 Lab File: VX044918.D
 Acq: 11 Feb 2025 19:50

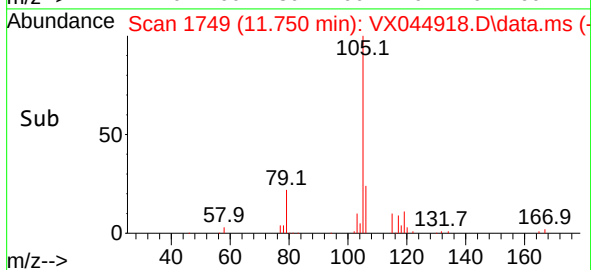
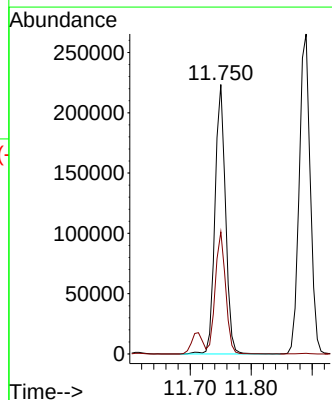
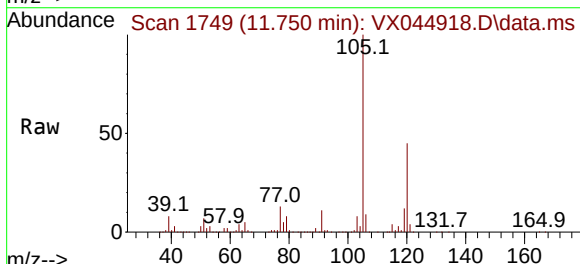
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

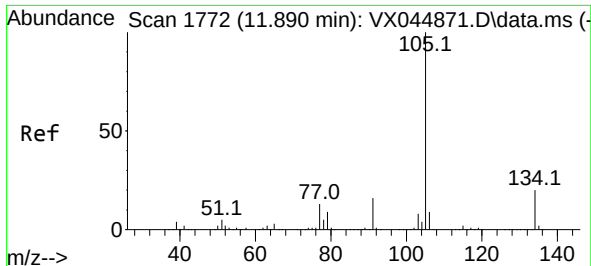
Tgt Ion:119 Resp: 265793
 Ion Ratio Lower Upper
 119 100
 91 58.4 29.1 87.4
 134 23.2 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 51.168 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX044918.D
 Acq: 11 Feb 2025 19:50

Tgt Ion:105 Resp: 266991
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.4 67.0

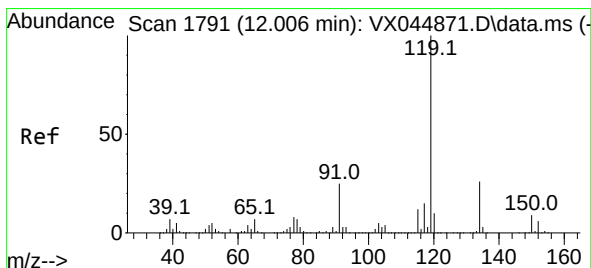
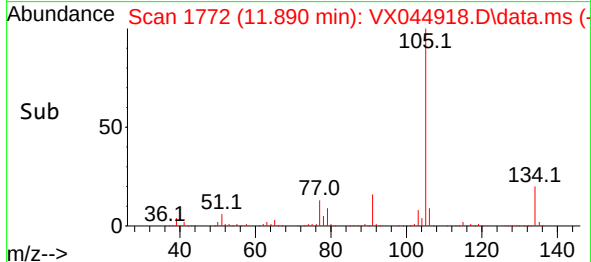
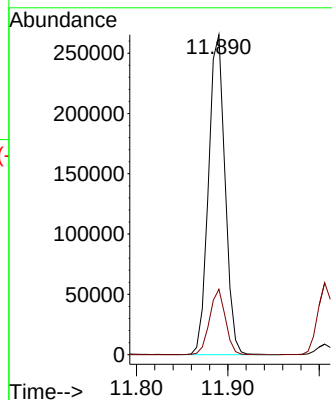
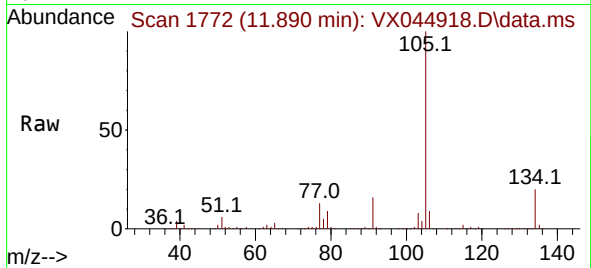




#85
 sec-Butylbenzene
 Concen: 50.433 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044918.D
 Acq: 11 Feb 2025 19:50

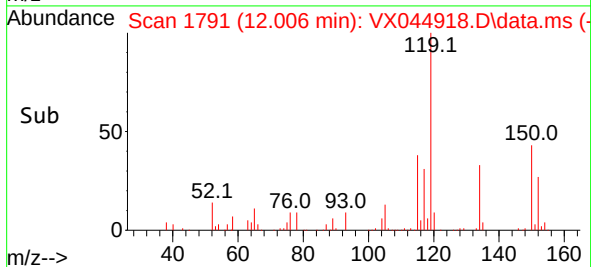
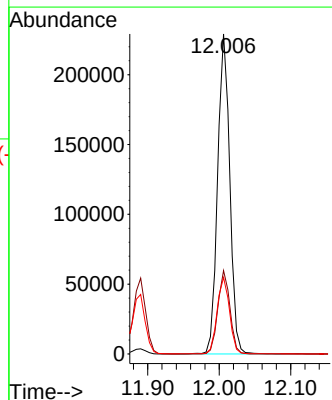
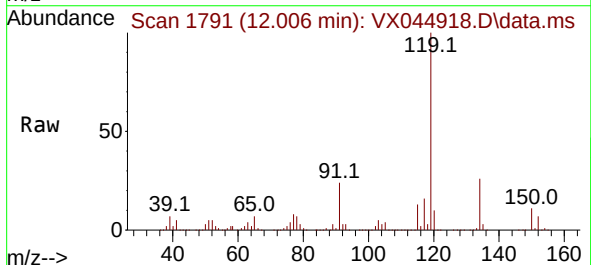
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

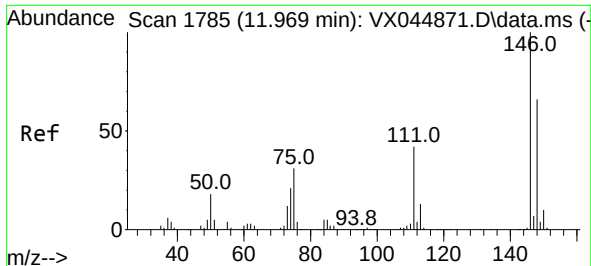
Tgt Ion:105 Resp: 334004
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 50.599 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044918.D
 Acq: 11 Feb 2025 19:50

Tgt Ion:119 Resp: 269485
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 38.9
 91 24.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 48.692 ug/l

RT: 11.963 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

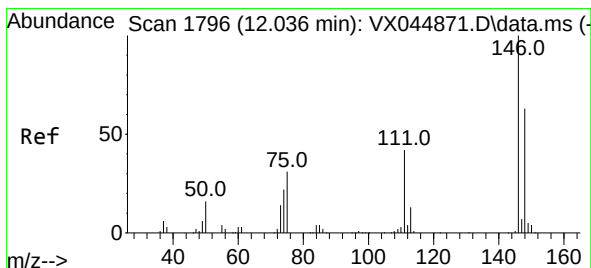
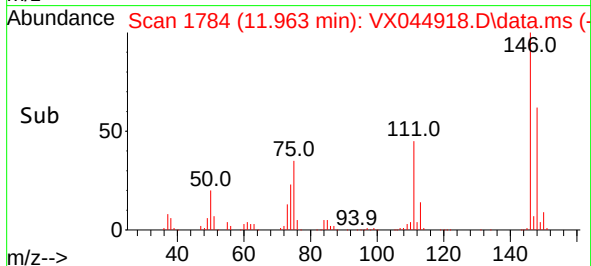
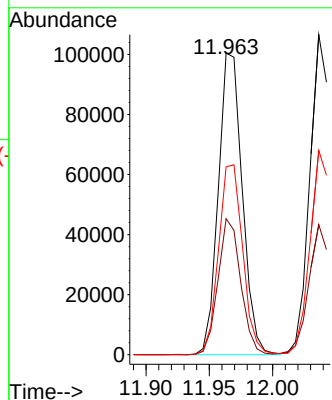
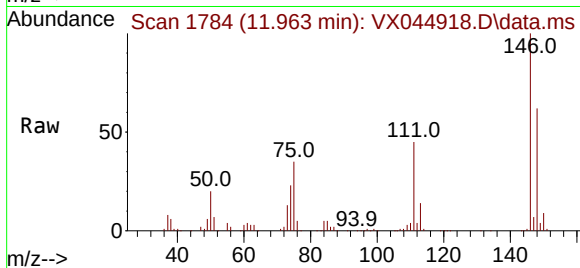
Tgt Ion:146 Resp: 132254

Ion Ratio Lower Upper

146 100

111 42.8 21.2 63.6

148 63.5 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 48.007 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

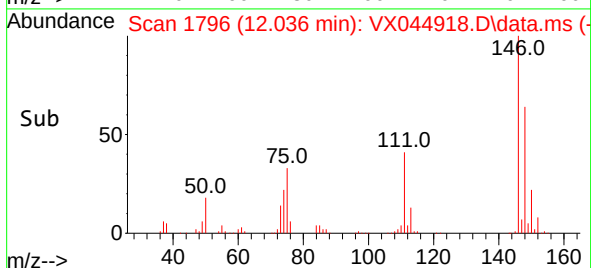
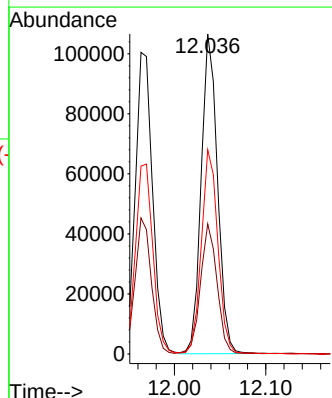
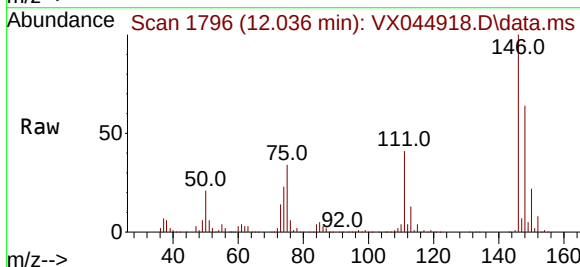
Tgt Ion:146 Resp: 131837

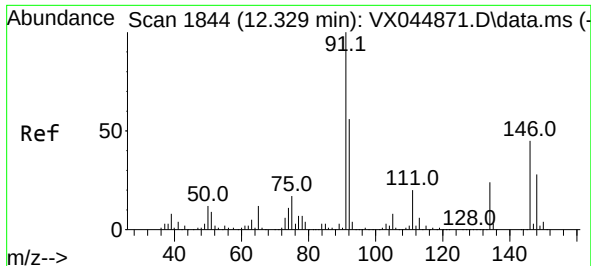
Ion Ratio Lower Upper

146 100

111 41.2 20.4 61.3

148 64.9 32.0 96.0

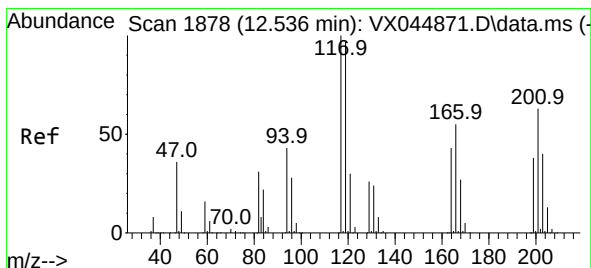
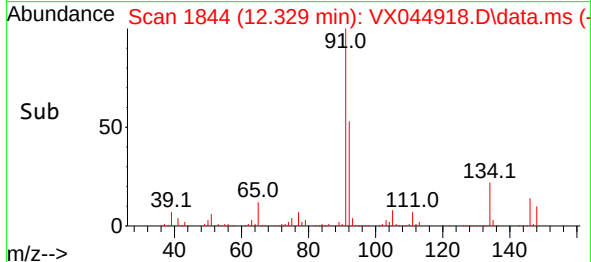
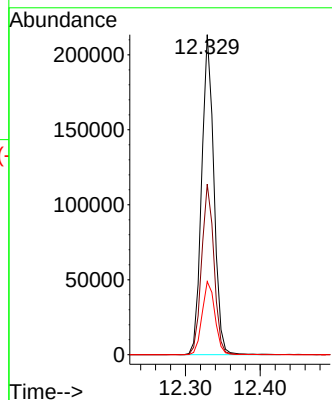
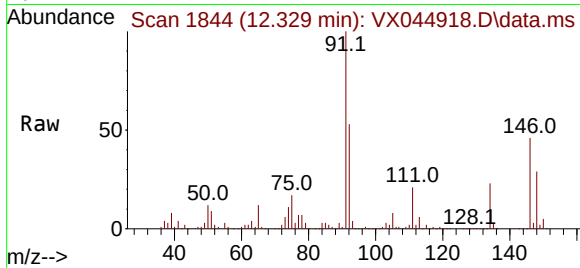




#89
n-Butylbenzene
Concen: 51.376 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

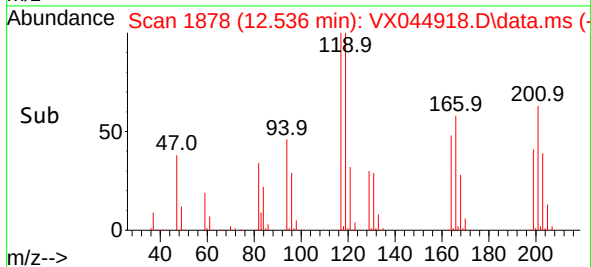
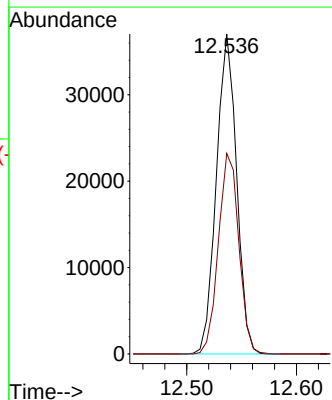
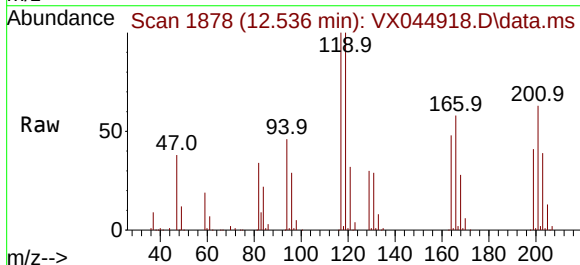
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

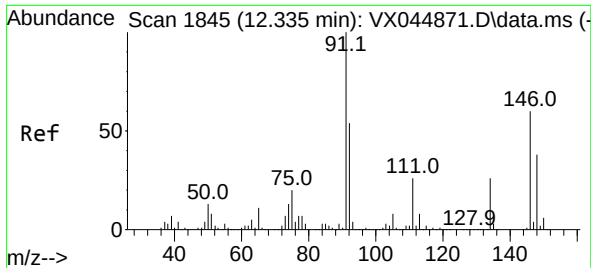
Tgt Ion: 91 Resp: 242069
Ion Ratio Lower Upper
91 100
92 53.8 27.2 81.6
134 24.1 12.1 36.3



#90
Hexachloroethane
Concen: 47.657 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 117 Resp: 47525
Ion Ratio Lower Upper
117 100
201 63.3 32.5 97.5

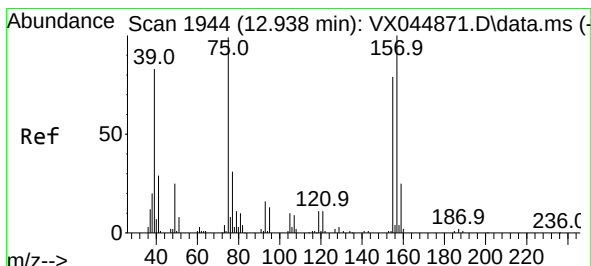
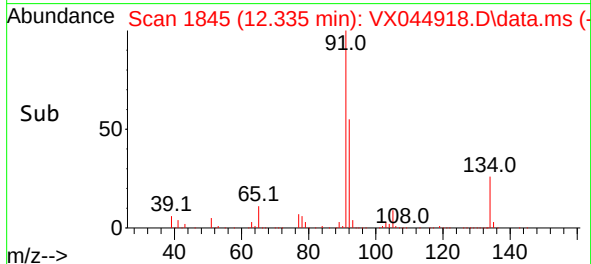
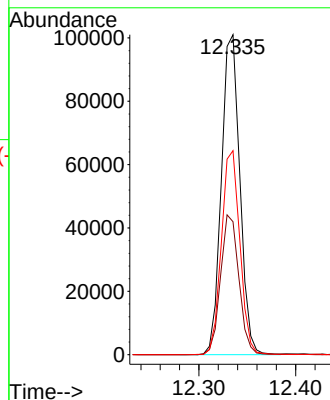
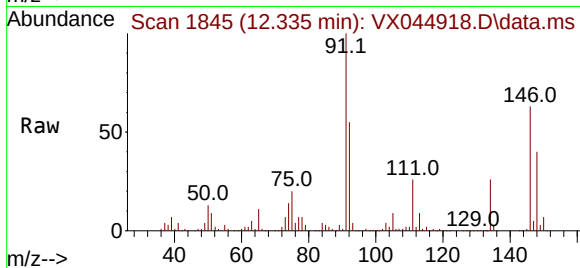




#91
1,2-Dichlorobenzene
Concen: 50.047 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

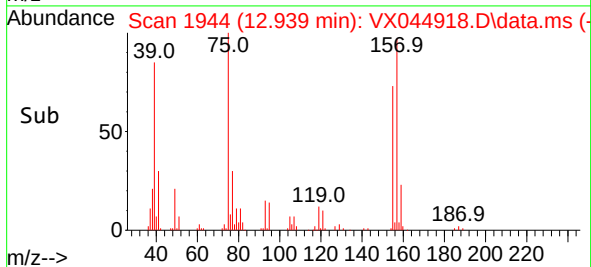
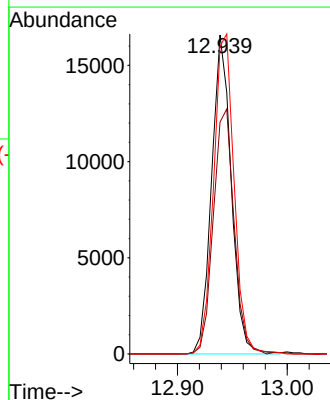
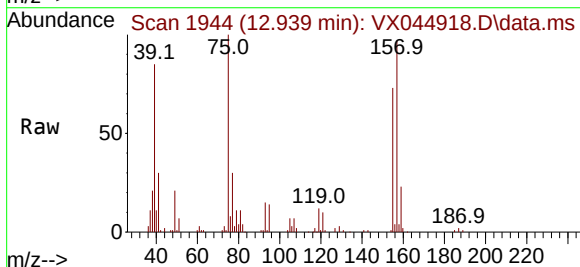
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

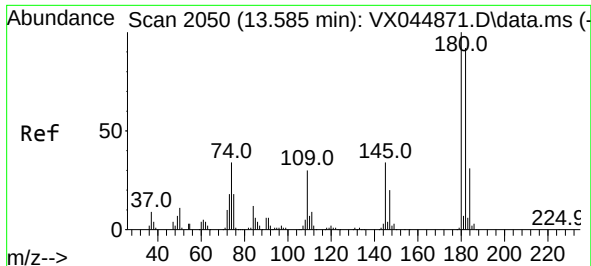
Tgt Ion:146 Resp: 133599
Ion Ratio Lower Upper
146 100
111 43.5 21.8 65.4
148 63.7 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.565 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044918.D
Acq: 11 Feb 2025 19:50

Tgt Ion: 75 Resp: 20660
Ion Ratio Lower Upper
75 100
155 80.9 40.5 121.4
157 104.9 51.4 154.3

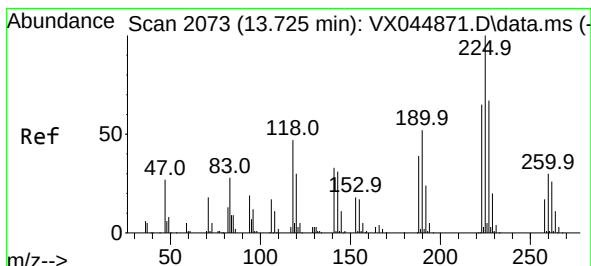
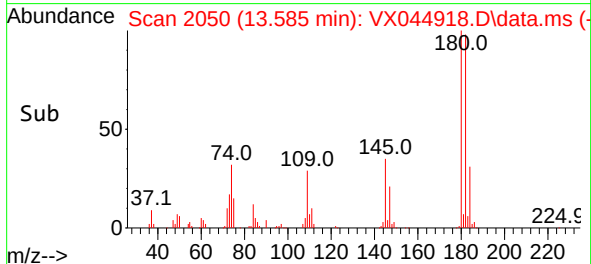
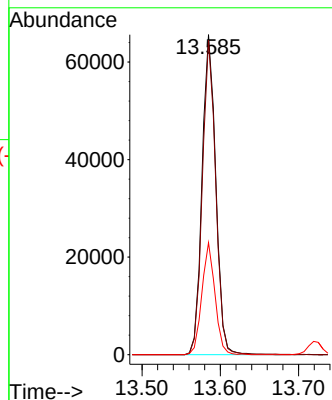
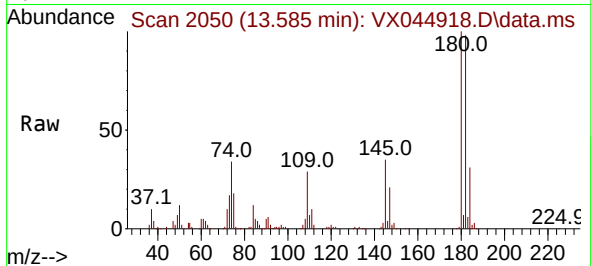




#93
 1,2,4-Trichlorobenzene
 Concen: 49.345 ug/l
 RT: 13.585 min Scan# 2050
 Delta R.T. 0.000 min
 Lab File: VX044918.D
 Acq: 11 Feb 2025 19:50

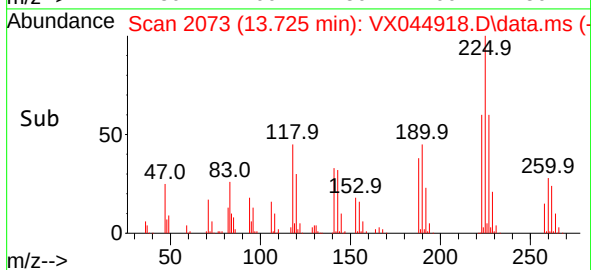
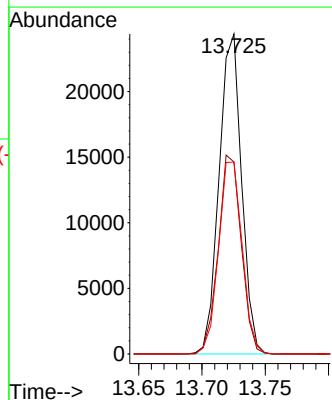
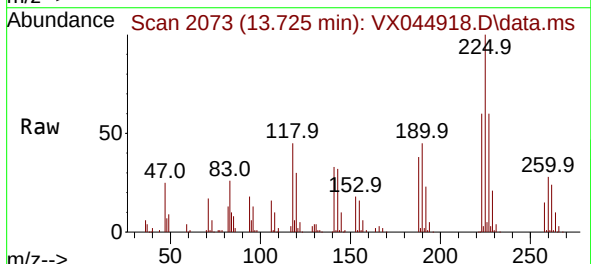
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

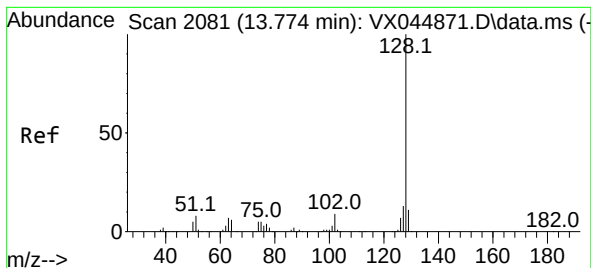
Tgt Ion:180 Resp: 79706
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.6 142.8
 145 33.5 16.4 49.1



#94
 Hexachlorobutadiene
 Concen: 46.929 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX044918.D
 Acq: 11 Feb 2025 19:50

Tgt Ion:225 Resp: 30093
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.4 94.2
 227 63.0 32.3 96.8





#95

Naphthalene

Concen: 51.251 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

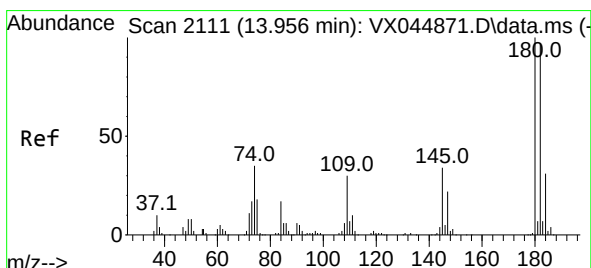
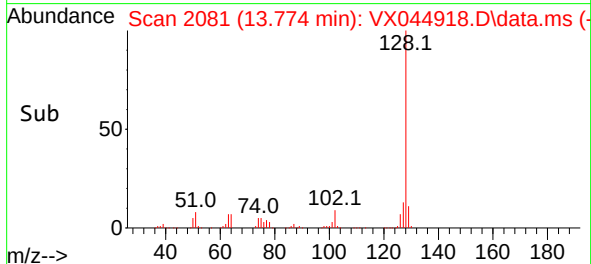
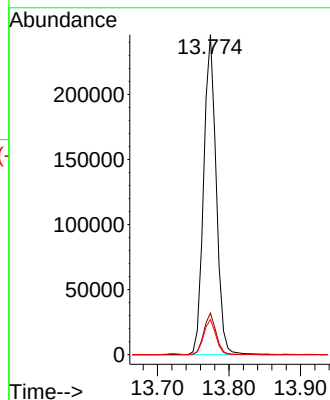
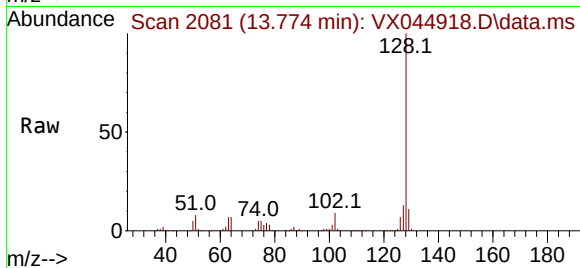
Tgt Ion:128 Resp: 299256

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

129 10.8 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 49.658 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044918.D

Acq: 11 Feb 2025 19:50

Tgt Ion:180 Resp: 80826

Ion Ratio Lower Upper

180 100

182 93.7 47.9 143.6

145 35.0 17.1 51.3

