

Cover Page

Order ID : Q1173

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number

Q1173-01
Q1173-02
Q1173-03
Q1173-04
Q1173-05
Q1173-06

Client Sample Number

BP-VPB-192-TB-20250121
BP-VPB-192-GW-60-62
BP-VPB-192-GW-100-102
BP-VPB-192-GW-140-142
BP-VPB-192-GW-200-202
VPB-192-HYD-20250122

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: 1/30/2025

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 # Q1173

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

6 Water samples were received on 01/23/2025.

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 for {VX0127WBS01} with File ID: VX044714.D met requirements for all samples except for Chloroethane[191%],

The Blank Spike Duplicate for {VX0127WBSD01} with File ID: VX044715.D met requirements for all samples except for Chloroethane[205%],

Above Blank Spike and Blank Spike Duplicate failing high but no positive hit in associated samples therefore no corrective action taken.

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

The Initial Calibration met the requirements .

The Continuous Calibration File ID VX044711.D met the requirements except for Chloroethane failing high but no positive hit in associated samples therefore no corrective action taken.

The Tuning criteria met requirements.



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E. Additional Comments:

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

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 not QT review data is reported in the Miscellaneous.

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

F. Manual Integration Comments:

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

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Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

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

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1173

MATRIX: Water

METHOD: 8260D

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2. GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4. GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5. GC/MS Calibration Requirements. The Initial Calibration met the requirements . The Continuous Calibration File ID VX044711.D met the requirements except for Chloroethane failing high but no positive hit in associated samples therefore no corrective action taken.			✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike for {VX0127WBS01} with File ID: VX044714.D met requirements for all samples except for Chloroethane[191%], The Blank Spike Duplicate for {VX0127WBSD01} with File ID: VX044715.D met requirements for all samples except for Chloroethane[205%], Above Blank Spike and Blank Spike Duplicate failing high but no positive hit in associated samples therefore no corrective action taken.		✓	
9. Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10. Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

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

ADDITIONAL COMMENTS:

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).”
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 not QT review data is reported in the Miscellaneous.

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1173

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: 01/30/2025

LAB CHRONICLE

OrderID:	Q1173	OrderDate:	1/23/2025 3:29:00 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
Q1173-01	BP-VPB-192-TB-2025 0121	Water			01/21/25			01/23/25
			VOCMS Group1	8260-Low			01/27/25	
Q1173-02	BP-VPB-192-GW-60-6 2	Water			01/21/25			01/23/25
			VOCMS Group1	8260-Low			01/27/25	
Q1173-03	BP-VPB-192-GW-100- 102	Water			01/21/25			01/23/25
			VOCMS Group1	8260-Low			01/27/25	
Q1173-04	BP-VPB-192-GW-140- 142	Water			01/22/25			01/23/25
			VOCMS Group1	8260-Low			01/27/25	
Q1173-05	BP-VPB-192-GW-200- 202	Water			01/22/25			01/23/25
			VOCMS Group1	8260-Low			01/27/25	
Q1173-06	VPB-192-HYD-202501 22	Water			01/22/25			01/23/25
			VOCMS Group1	8260-Low			01/27/25	

Hit Summary Sheet
SW-846

SDG No.: Q1173
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	BP-VPB-192-GW-60-62								
Q1173-02	BP-VPB-192-GW-6 Water	Acetone		12.0		1.40	3.80	5.00	ug/L
		Total Voc :		12.0					
		Total Concentration:		12.0					
Client ID:	BP-VPB-192-GW-100-102								
Q1173-03	BP-VPB-192-GW-1 Water	Acetone		7.60		1.40	3.80	5.00	ug/L
Q1173-03	BP-VPB-192-GW-1 Water	Chloroform		1.10		0.26	0.50	1.00	ug/L
Q1173-03	BP-VPB-192-GW-1 Water	Trichloroethene		0.87	J	0.32	0.75	1.00	ug/L
Q1173-03	BP-VPB-192-GW-1 Water	Bromodichloromethane		0.98	J	0.24	0.50	1.00	ug/L
Q1173-03	BP-VPB-192-GW-1 Water	Dibromochloromethane		1.10		0.18	0.50	1.00	ug/L
		Total Voc :		11.7					
		Total Concentration:		11.7					
Client ID:	BP-VPB-192-GW-140-142								
Q1173-04	BP-VPB-192-GW-1 Water	Acetone		7.40		1.40	3.80	5.00	ug/L
Q1173-04	BP-VPB-192-GW-1 Water	Chloroform		0.70	J	0.26	0.50	1.00	ug/L
Q1173-04	BP-VPB-192-GW-1 Water	Benzene		6.50		0.16	0.50	1.00	ug/L
Q1173-04	BP-VPB-192-GW-1 Water	Toluene		0.96	J	0.18	0.50	1.00	ug/L
		Total Voc :		15.6					
		Total Concentration:		15.6					
Client ID:	BP-VPB-192-GW-200-202								
Q1173-05	BP-VPB-192-GW-2 Water	Acetone		7.10		1.40	3.80	5.00	ug/L
Q1173-05	BP-VPB-192-GW-2 Water	Chloroform		0.68	J	0.26	0.50	1.00	ug/L
Q1173-05	BP-VPB-192-GW-2 Water	Trichloroethene		1.80		0.32	0.75	1.00	ug/L
		Total Voc :		9.58					
		Total Concentration:		9.58					
Client ID:	VPB-192-HYD-20250122								
Q1173-06	VPB-192-HYD-202 Water	Acetone		1.60	J	1.40	3.80	5.00	ug/L
Q1173-06	VPB-192-HYD-202 Water	Dibromochloromethane		1.30		0.18	0.50	1.00	ug/L
		Total Voc :		2.90					
		Total Concentration:		2.90					



QC SUMMARY

Surrogate Summary

SDG No.: Q1173

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1173-01	BP-VPB-192-TB-20250121	1,2-Dichloroethane-d4	50	46.8	94	81	118
		Dibromofluoromethane	50	50.7	101	80	119
		Toluene-d8	50	55.2	110	89	112
		4-Bromofluorobenzene	50	54.2	108	85	114
Q1173-02	BP-VPB-192-GW-60-62	1,2-Dichloroethane-d4	50	49.0	98	81	118
		Dibromofluoromethane	50	51.4	103	80	119
		Toluene-d8	50	55.7	111	89	112
		4-Bromofluorobenzene	50	52.2	104	85	114
Q1173-03	BP-VPB-192-GW-100-102	1,2-Dichloroethane-d4	50	47.9	96	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	55.2	110	89	112
		4-Bromofluorobenzene	50	52.4	105	85	114
Q1173-04	BP-VPB-192-GW-140-142	1,2-Dichloroethane-d4	50	48.7	97	81	118
		Dibromofluoromethane	50	51.2	102	80	119
		Toluene-d8	50	54.9	110	89	112
		4-Bromofluorobenzene	50	50.9	102	85	114
Q1173-05	BP-VPB-192-GW-200-202	1,2-Dichloroethane-d4	50	47.8	96	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	54.5	109	89	112
		4-Bromofluorobenzene	50	53.6	107	85	114
Q1173-06	VPB-192-HYD-20250122	1,2-Dichloroethane-d4	50	49.6	99	81	118
		Dibromofluoromethane	50	49.8	100	80	119
		Toluene-d8	50	54.4	109	89	112
		4-Bromofluorobenzene	50	53.6	107	85	114
VX0127WBL01	VX0127WBL01	1,2-Dichloroethane-d4	50	47.7	95	81	118
		Dibromofluoromethane	50	50.5	101	80	119
		Toluene-d8	50	54.6	109	89	112
		4-Bromofluorobenzene	50	56.1	112	85	114
VX0127WBS01	VX0127WBS01	1,2-Dichloroethane-d4	50	41.6	83	81	118
		Dibromofluoromethane	50	45.8	92	80	119
		Toluene-d8	50	48.4	97	89	112
		4-Bromofluorobenzene	50	46.8	94	85	114
VX0127WBSD0	VX0127WBSD01	1,2-Dichloroethane-d4	50	42.1	84	81	118
		Dibromofluoromethane	50	45.1	90	80	119
		Toluene-d8	50	48.1	96	89	112
		4-Bromofluorobenzene	50	46.9	94	85	114

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1173

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX044714.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0127WBS01	Chloromethane	20	19.0	ug/L	95			50	139	
	Vinyl chloride	20	17.3	ug/L	86			58	137	
	Bromomethane	20	18.9	ug/L	95			53	141	
	Chloroethane	20	38.1	ug/L	191		*	60	138	
	Trichlorofluoromethane	20	16.7	ug/L	84			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.4	ug/L	92			70	136	
	1,1-Dichloroethene	20	18.6	ug/L	93			71	131	
	Acetone	100	80.8	ug/L	81			39	160	
	Carbon disulfide	20	18.4	ug/L	92			64	133	
	Methyl tert-butyl Ether	20	17.2	ug/L	86			71	124	
	Methylene Chloride	20	17.5	ug/L	88			74	124	
	trans-1,2-Dichloroethene	20	17.5	ug/L	88			75	124	
	1,1-Dichloroethane	20	18.0	ug/L	90			77	125	
	2-Butanone	100	90.1	ug/L	90			56	143	
	Carbon Tetrachloride	20	16.7	ug/L	84			72	136	
	cis-1,2-Dichloroethene	20	17.4	ug/L	87			78	123	
	Chloroform	20	17.3	ug/L	86			79	124	
	1,1,1-Trichloroethane	20	16.1	ug/L	81			74	131	
	Methylcyclohexane	20	18.3	ug/L	92			72	132	
	Benzene	20	18.5	ug/L	93			79	120	
	1,2-Dichloroethane	20	16.3	ug/L	81			73	128	
	Trichloroethene	20	17.5	ug/L	88			79	123	
	1,2-Dichloropropane	20	18.6	ug/L	93			78	122	
	Bromodichloromethane	20	17.0	ug/L	85			79	125	
	4-Methyl-2-Pentanone	100	95.9	ug/L	96			67	130	
	Toluene	20	18.3	ug/L	92			80	121	
	t-1,3-Dichloropropene	20	17.2	ug/L	86			73	127	
	cis-1,3-Dichloropropene	20	17.5	ug/L	88			75	124	
	1,1,2-Trichloroethane	20	18.3	ug/L	92			80	119	
	2-Hexanone	100	95.6	ug/L	96			57	139	
	Dibromochloromethane	20	17.2	ug/L	86			74	126	
	Tetrachloroethene	20	18.7	ug/L	94			74	129	
	Chlorobenzene	20	18.6	ug/L	93			82	118	
	Ethyl Benzene	20	18.6	ug/L	93			79	121	
	m/p-Xylenes	40	38.0	ug/L	95			80	121	
	o-Xylene	20	18.6	ug/L	93			78	122	
	Styrene	20	19.2	ug/L	96			78	123	
	Bromoform	20	17.7	ug/L	89			66	130	
	Isopropylbenzene	20	17.8	ug/L	89			72	131	
	1,1,2,2-Tetrachloroethane	20	18.0	ug/L	90			71	121	
	1,3-Dichlorobenzene	20	18.4	ug/L	92			80	119	
	1,4-Dichlorobenzene	20	18.2	ug/L	91			79	118	
	1,2-Dichlorobenzene	20	18.1	ug/L	91			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1173

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX044715.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0127WBSD01	Chloromethane	20	19.1	ug/L	96	1		50	139	20
	Vinyl chloride	20	17.7	ug/L	89	3		58	137	20
	Bromomethane	20	19.9	ug/L	100	5		53	141	20
	Chloroethane	20	41.0	ug/L	205	7	*	60	138	20
	Trichlorofluoromethane	20	17.6	ug/L	88	5		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	19.0	ug/L	95	3		70	136	20
	1,1-Dichloroethene	20	19.2	ug/L	96	3		71	131	20
	Acetone	100	87.8	ug/L	88	8		39	160	20
	Carbon disulfide	20	19.3	ug/L	97	5		64	133	20
	Methyl tert-butyl Ether	20	18.0	ug/L	90	5		71	124	20
	Methylene Chloride	20	18.2	ug/L	91	3		74	124	20
	trans-1,2-Dichloroethene	20	18.4	ug/L	92	4		75	124	20
	1,1-Dichloroethane	20	18.6	ug/L	93	3		77	125	20
	2-Butanone	100	98.0	ug/L	98	9		56	143	20
	Carbon Tetrachloride	20	17.2	ug/L	86	2		72	136	20
	cis-1,2-Dichloroethene	20	18.0	ug/L	90	3		78	123	20
	Chloroform	20	18.0	ug/L	90	5		79	124	20
	1,1,1-Trichloroethane	20	16.7	ug/L	84	4		74	131	20
	Methylcyclohexane	20	19.4	ug/L	97	5		72	132	20
	Benzene	20	19.2	ug/L	96	3		79	120	20
	1,2-Dichloroethane	20	17.4	ug/L	87	7		73	128	20
	Trichloroethene	20	18.5	ug/L	93	6		79	123	20
	1,2-Dichloropropane	20	19.1	ug/L	96	3		78	122	20
	Bromodichloromethane	20	17.4	ug/L	87	2		79	125	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	4		67	130	20
	Toluene	20	19.2	ug/L	96	4		80	121	20
	t-1,3-Dichloropropene	20	18.0	ug/L	90	5		73	127	20
	cis-1,3-Dichloropropene	20	18.4	ug/L	92	4		75	124	20
	1,1,2-Trichloroethane	20	18.9	ug/L	95	3		80	119	20
	2-Hexanone	100	99.7	ug/L	100	4		57	139	20
	Dibromochloromethane	20	18.2	ug/L	91	6		74	126	20
	Tetrachloroethene	20	18.7	ug/L	94	0		74	129	20
	Chlorobenzene	20	18.7	ug/L	94	1		82	118	20
	Ethyl Benzene	20	18.8	ug/L	94	1		79	121	20
	m/p-Xylenes	40	38.1	ug/L	95	0		80	121	20
	o-Xylene	20	18.9	ug/L	95	2		78	122	20
	Styrene	20	19.6	ug/L	98	2		78	123	20
	Bromoform	20	17.8	ug/L	89	0		66	130	20
	Isopropylbenzene	20	18.4	ug/L	92	3		72	131	20
	1,1,2,2-Tetrachloroethane	20	18.3	ug/L	92	2		71	121	20
	1,3-Dichlorobenzene	20	18.8	ug/L	94	2		80	119	20
	1,4-Dichlorobenzene	20	18.7	ug/L	94	3		79	118	20
	1,2-Dichlorobenzene	20	18.6	ug/L	93	2		80	119	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0127WBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q1173

SAS No.: Q1173 SDG NO.: Q1173

Lab File ID: VX044713.D

Lab Sample ID: VX0127WBL01

Date Analyzed: 01/27/2025

Time Analyzed: 11:01

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
VX0127WBS01	VX0127WBS01	VX044714.D	01/27/2025
VX0127WBSD01	VX0127WBSD01	VX044715.D	01/27/2025
VPB-192-HYD-20250122	Q1173-06	VX044716.D	01/27/2025
BP-VPB-192-TB-20250121	Q1173-01	VX044717.D	01/27/2025
BP-VPB-192-GW-60-62	Q1173-02	VX044718.D	01/27/2025
BP-VPB-192-GW-100-102	Q1173-03	VX044719.D	01/27/2025
BP-VPB-192-GW-140-142	Q1173-04	VX044720.D	01/27/2025
BP-VPB-192-GW-200-202	Q1173-05	VX044721.D	01/27/2025

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.: Q1173 SAS No.: Q1173 SDG NO.: Q1173
Lab File ID: VX044647.D BFB Injection Date: 01/15/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:30
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.6
75	30.0 - 60.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	67.1
175	5.0 - 9.0% of mass 174	4.9 (7.3) 1
176	95.0 - 101.0% of mass 174	64.4 (96) 1
177	5.0 - 9.0% of mass 176	4.3 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX044648.D	01/15/2025	10:31
VSTDIC005	VSTDIC005	VX044649.D	01/15/2025	11:17
VSTDIC020	VSTDIC020	VX044650.D	01/15/2025	11:40
VSTDIC050	VSTDIC050	VX044651.D	01/15/2025	12:02
VSTDIC100	VSTDIC100	VX044652.D	01/15/2025	13:14
VSTDIC150	VSTDIC150	VX044653.D	01/15/2025	13:37



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.: Q1173 SAS No.: Q1173 SDG NO.: Q1173
Lab File ID: VX044710.D BFB Injection Date: 01/27/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:47
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	19.2
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.4 (0.7) 1
174	50.0 - 100.0% of mass 95	65.4
175	5.0 - 9.0% of mass 174	4.9 (7.4) 1
176	95.0 - 101.0% of mass 174	63 (96.3) 1
177	5.0 - 9.0% of mass 176	4.5 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX044711.D	01/27/2025	10:08
VX0127WBL01	VX0127WBL01	VX044713.D	01/27/2025	11:01
VX0127WBS01	VX0127WBS01	VX044714.D	01/27/2025	11:24
VX0127WBSD01	VX0127WBSD01	VX044715.D	01/27/2025	11:52
VPB-192-HYD-20250122	Q1173-06	VX044716.D	01/27/2025	12:15
BP-VPB-192-TB-20250121	Q1173-01	VX044717.D	01/27/2025	12:38
BP-VPB-192-GW-60-62	Q1173-02	VX044718.D	01/27/2025	13:01
BP-VPB-192-GW-100-102	Q1173-03	VX044719.D	01/27/2025	13:24
BP-VPB-192-GW-140-142	Q1173-04	VX044720.D	01/27/2025	13:47
BP-VPB-192-GW-200-202	Q1173-05	VX044721.D	01/27/2025	14:09
VSTDCCC050EC	VSTDCCC050	VX044734.D	01/27/2025	19:09

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q1173 SAS No.: Q1173 SDG NO.: Q1173
Lab File ID: VX044711.D Date Analyzed: 01/27/2025
Instrument ID: MSVOA_X Time Analyzed: 10:08
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	172369	5.54	318376	6.75	277935	10.05
UPPER LIMIT	344738	6.037	636752	7.251	555870	10.549
LOWER LIMIT	86184.5	5.037	159188	6.251	138968	9.549
EPA SAMPLE NO.						
BP-VPB-192-TB-20250121	154291	5.54	301435	6.76	272981	10.05
BP-VPB-192-GW-60-62	145080	5.54	291470	6.76	260564	10.05
BP-VPB-192-GW-100-102	156971	5.54	304234	6.76	268221	10.05
BP-VPB-192-GW-140-142	153813	5.54	313071	6.76	272691	10.05
BP-VPB-192-GW-200-202	143949	5.54	289107	6.76	257515	10.05
VPB-192-HYD-20250122	142665	5.54	295520	6.76	265204	10.05
VX0127WBL01	158308	5.54	315173	6.76	280517	10.05
VX0127WBS01	194501	5.54	349402	6.76	294902	10.05
VX0127WBSD01	181106	5.54	329948	6.75	287428	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.: Q1173 SAS No.: Q1173 SDG NO.: Q1173
Lab File ID: VX044711.D Date Analyzed: 01/27/2025
Instrument ID: MSVOA_X Time Analyzed: 10:08
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	123095	12.018				
UPPER LIMIT	246190	12.518				
LOWER LIMIT	61547.5	11.518				
EPA SAMPLE NO.						
BP-VPB-192-TB-20250121	115657	12.02				
BP-VPB-192-GW-60-62	111378	12.02				
BP-VPB-192-GW-100-102	115943	12.02				
BP-VPB-192-GW-140-142	114579	12.02				
BP-VPB-192-GW-200-202	112964	12.02				
VPB-192-HYD-20250122	114051	12.02				
VX0127WBL01	124517	12.02				
VX0127WBS01	132232	12.02				
VX0127WBSD01	125692	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:	01/21/25	
Project:	CTO WE13			Date Received:	01/23/25	
Client Sample ID:	BP-VPB-192-TB-20250121			SDG No.:	Q1173	
Lab Sample ID:	Q1173-01			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
VX044717.D	1		01/27/25 12:38	VX012725

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	UQ	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:	01/21/25	
Project:	CTO WE13		Date Received:	01/23/25	
Client Sample ID:	BP-VPB-192-TB-20250121		SDG No.:	Q1173	
Lab Sample ID:	Q1173-01		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
VX044717.D	1		01/27/25 12:38	VX012725

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	46.8		81 - 118		94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	55.2		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	154000	5.544				
540-36-3	1,4-Difluorobenzene	301000	6.757				
3114-55-4	Chlorobenzene-d5	273000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	116000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	01/21/25	
Project:	CTO WE13		Date Received:	01/23/25	
Client Sample ID:	BP-VPB-192-TB-20250121		SDG No.:	Q1173	
Lab Sample ID:	Q1173-01		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
VX044717.D	1		01/27/25 12:38	VX012725

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\VX012725\
 Data File : VX044717.D
 Acq On : 27 Jan 2025 12:38
 Operator : JC/MD
 Sample : Q1173-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-TB-20250121

Quant Time: Jan 28 04:10:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	154291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	301435	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	272981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	115657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	108974	46.792	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.580%
35) Dibromofluoromethane	5.379	113	97156	50.735	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.460%
50) Toluene-d8	8.647	98	368668	55.214	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	110.420%
62) 4-Bromofluorobenzene	11.079	95	135005	54.237	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.480%

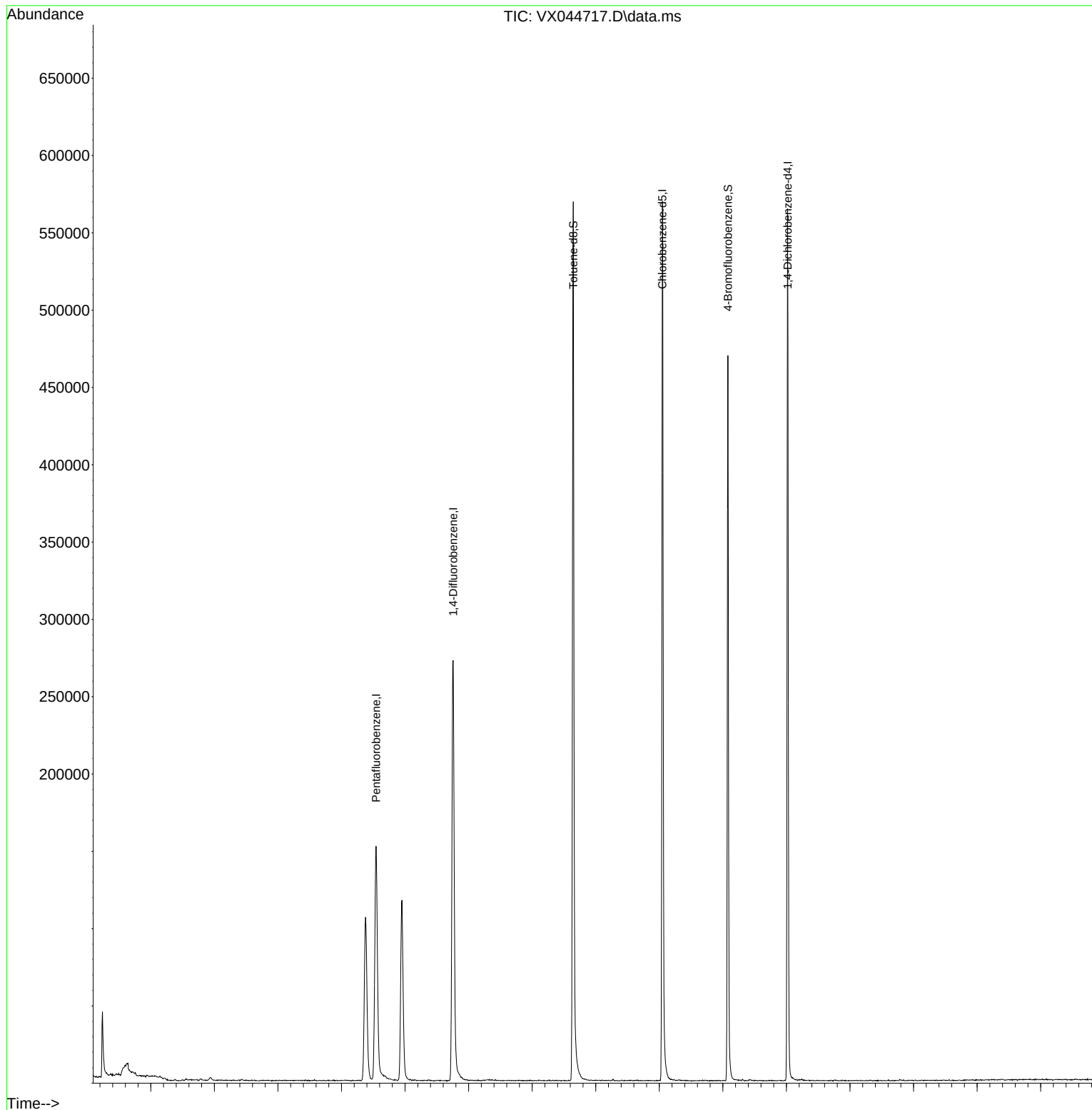
Target Compounds Qvalue

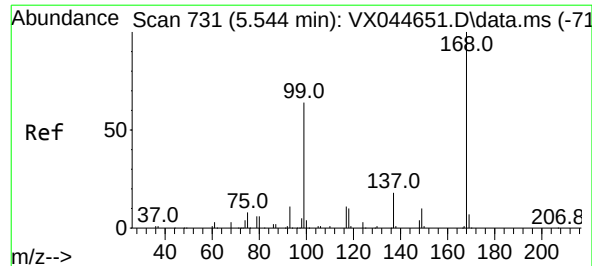
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044717.D
Acq On : 27 Jan 2025 12:38
Operator : JC/MD
Sample : Q1173-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250121

Quant Time: Jan 28 04:10:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

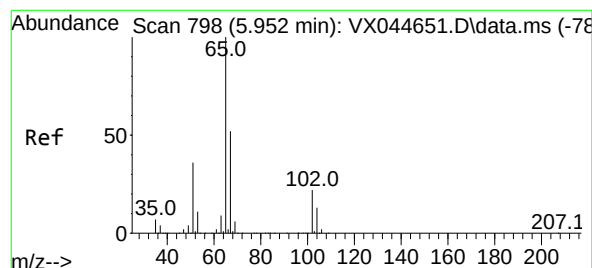
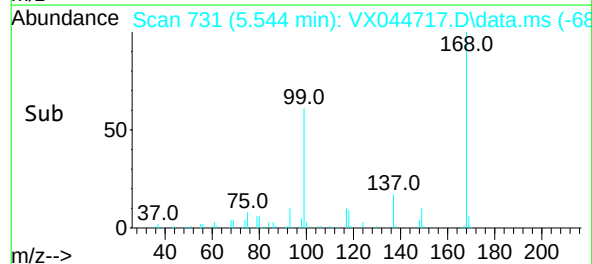
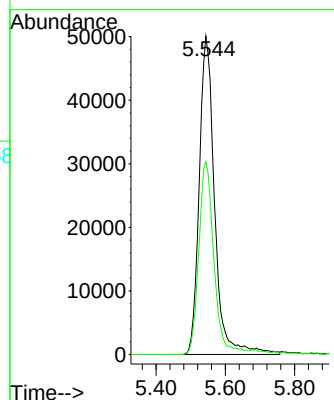
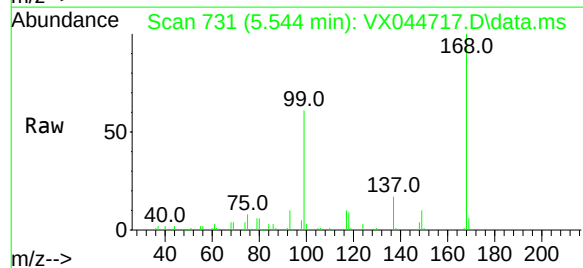




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX044717.D
Acq: 27 Jan 2025 12:38

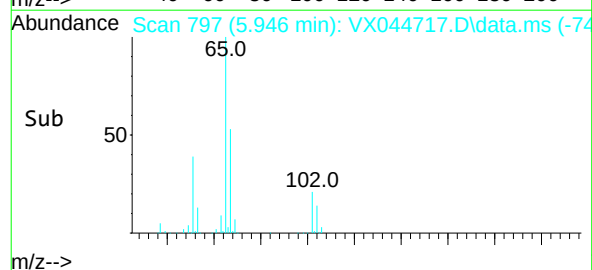
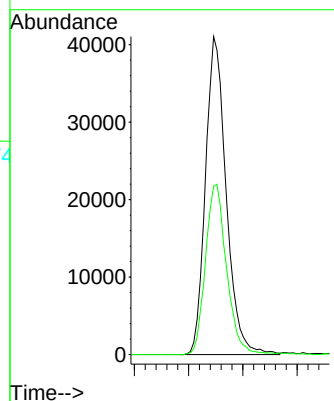
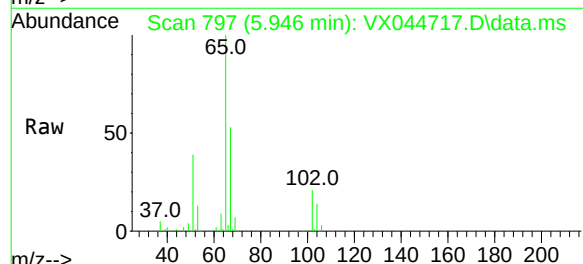
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250121

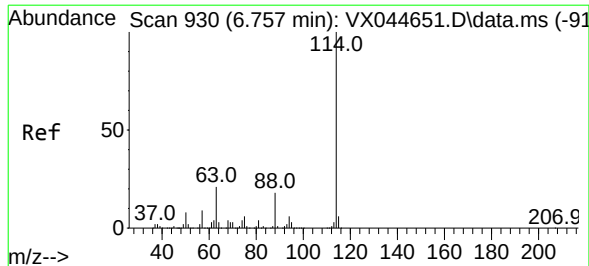
Tgt Ion:168 Resp: 154291
Ion Ratio Lower Upper
168 100
99 60.6 51.1 76.7



#33
1,2-Dichloroethane-d4
Concen: 46.792 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044717.D
Acq: 27 Jan 2025 12:38

Tgt Ion: 65 Resp: 108974
Ion Ratio Lower Upper
65 100
67 54.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044717.D

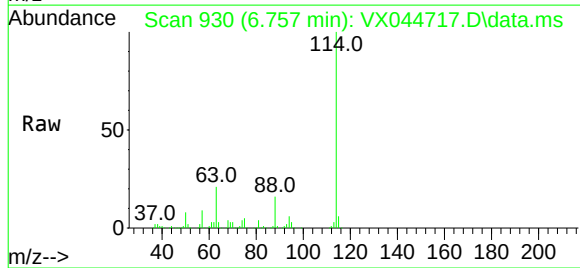
Acq: 27 Jan 2025 12:38

Instrument :

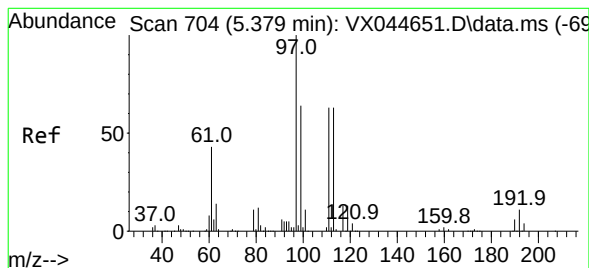
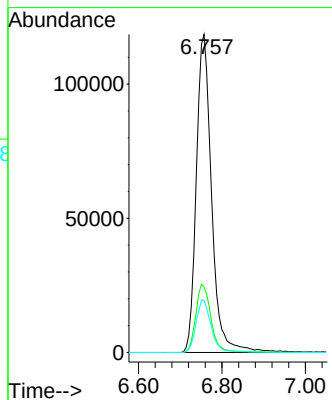
MSVOA_X

ClientSampleId :

BP-VPB-192-TB-20250121



Tgt Ion:	114	Resp:	301435
Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	43.0
88	16.4	0.0	35.4



#35

Dibromofluoromethane

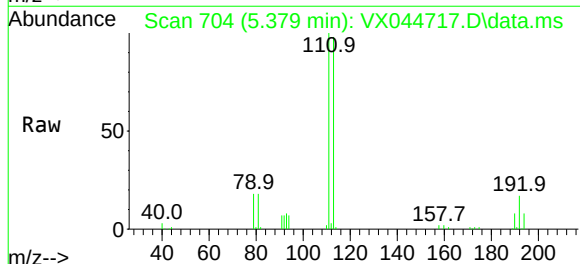
Concen: 50.735 ug/l

RT: 5.379 min Scan# 704

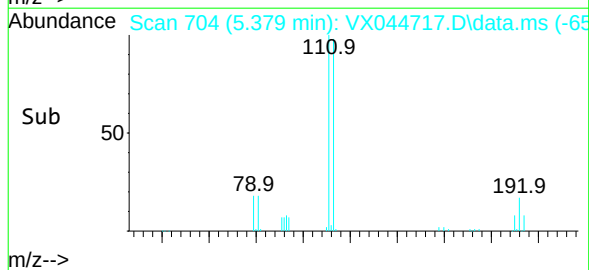
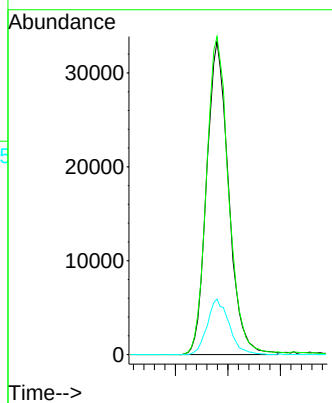
Delta R.T. 0.000 min

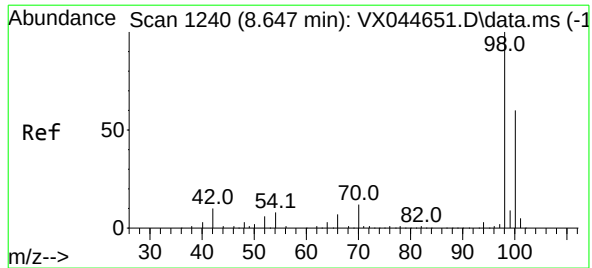
Lab File: VX044717.D

Acq: 27 Jan 2025 12:38



Tgt Ion:	113	Resp:	97156
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.6	122.4
192	17.6	14.4	21.6





#50

Toluene-d8

Concen: 55.214 ug/l

RT: 8.647 min Scan# 12

Delta R.T. 0.000 min

Lab File: VX044717.D

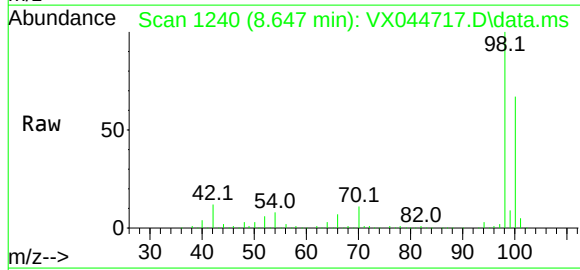
Acq: 27 Jan 2025 12:38

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-TB-20250121

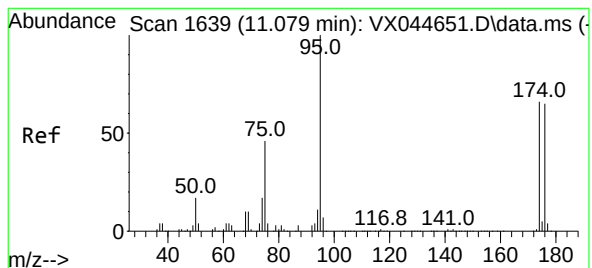
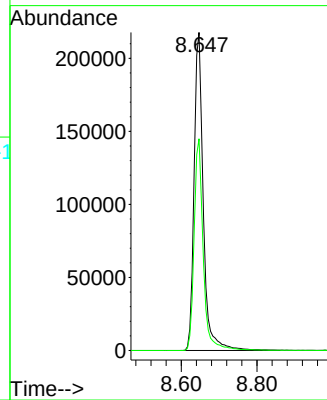
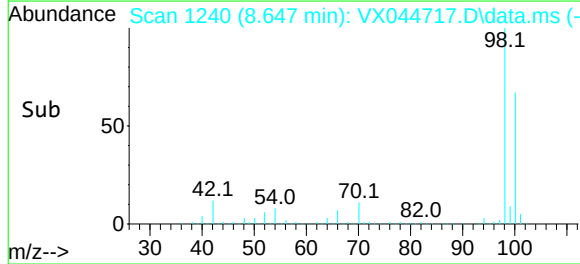


Tgt Ion: 98 Resp: 368668

Ion Ratio Lower Upper

98 100

100 66.0 53.2 79.8



#62

4-Bromofluorobenzene

Concen: 54.237 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044717.D

Acq: 27 Jan 2025 12:38

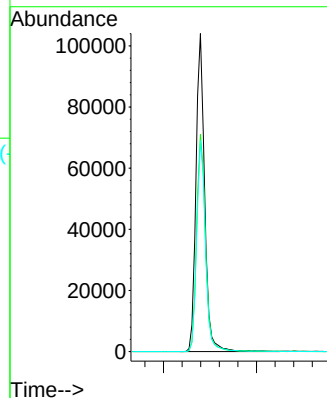
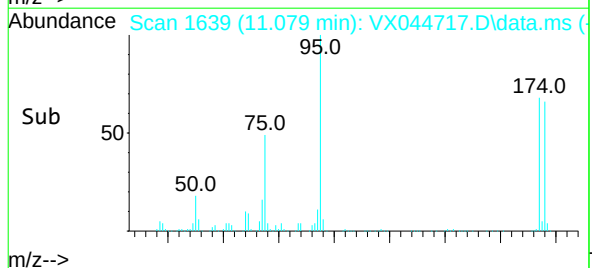
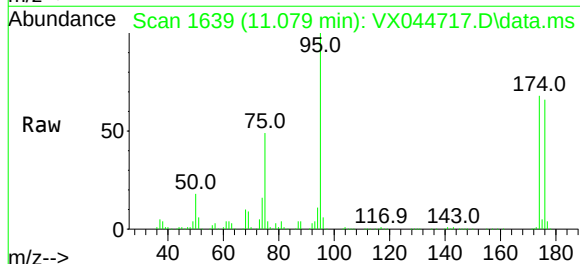
Tgt Ion: 95 Resp: 135005

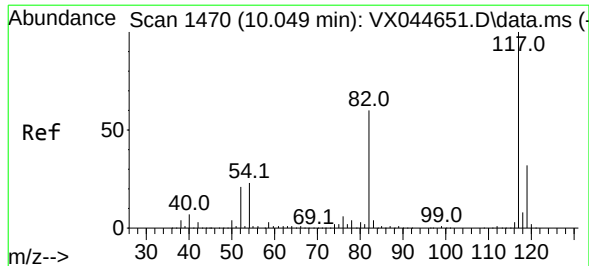
Ion Ratio Lower Upper

95 100

174 70.1 0.0 133.0

176 66.8 0.0 129.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044717.D

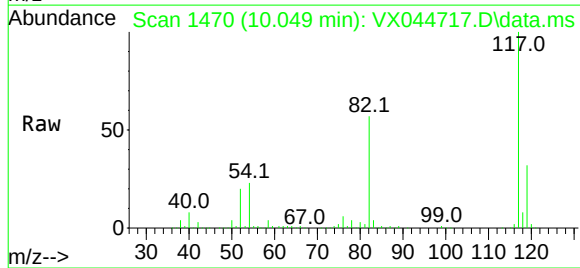
Acq: 27 Jan 2025 12:38

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-TB-20250121



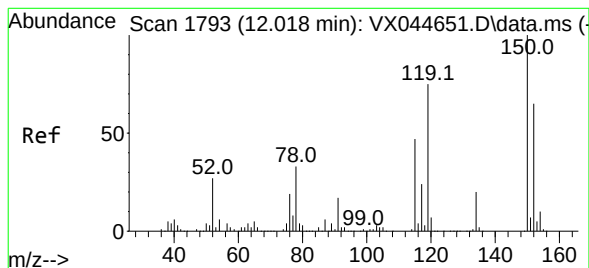
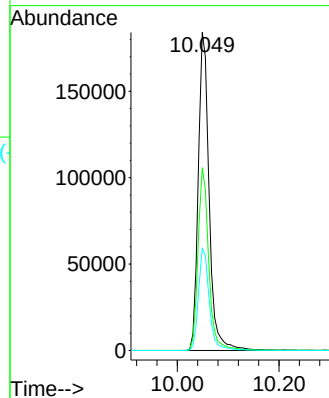
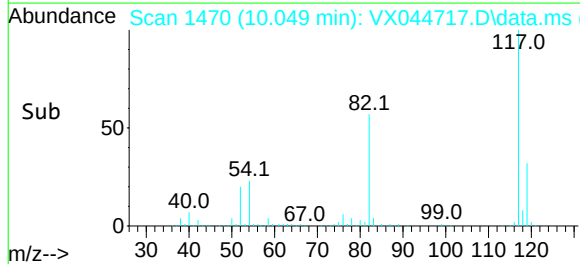
Tgt Ion:117 Resp: 272981

Ion Ratio Lower Upper

117 100

82 57.5 47.6 71.4

119 32.0 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044717.D

Acq: 27 Jan 2025 12:38

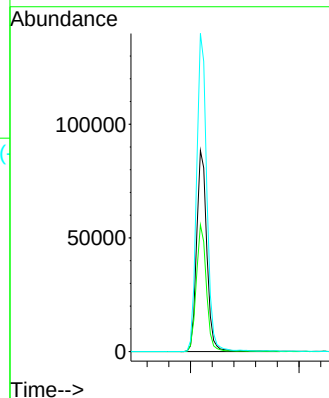
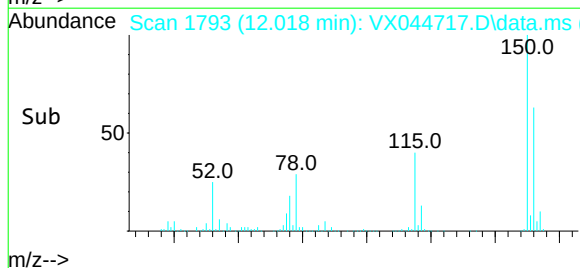
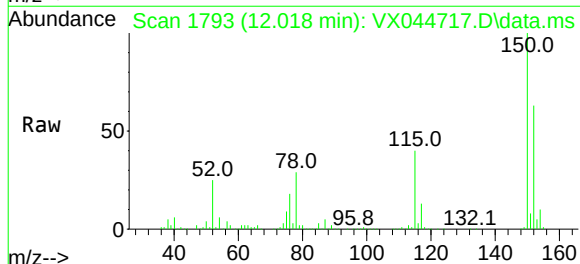
Tgt Ion:152 Resp: 115657

Ion Ratio Lower Upper

152 100

115 62.5 43.8 131.4

150 157.0 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044717.D
Acq On : 27 Jan 2025 12:38
Operator : JC/MD
Sample : Q1173-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250121

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\82X011525W.M

Title : SW846 8260

Signal : TIC: VX044717.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	40	rBV	42408	68972	7.09%	1.376%
2	1.593	72	83	85	rBV5	6219	19163	1.97%	0.382%
3	5.379	692	704	720	rBV	105960	316387	32.53%	6.312%
4	5.544	720	731	749	rBV	150653	445942	45.84%	8.896%
5	5.952	786	798	817	rBV	116799	316646	32.55%	6.317%
6	6.757	920	930	950	rBV	271723	695594	71.51%	13.877%
7	8.647	1233	1240	1264	rBV	568286	972734	100.00%	19.405%
8	10.049	1465	1470	1488	rBV	568800	839333	86.29%	16.744%
9	11.079	1633	1639	1657	rBV	469152	614433	63.17%	12.257%
10	12.018	1788	1793	1804	rBV	563913	723542	74.38%	14.434%

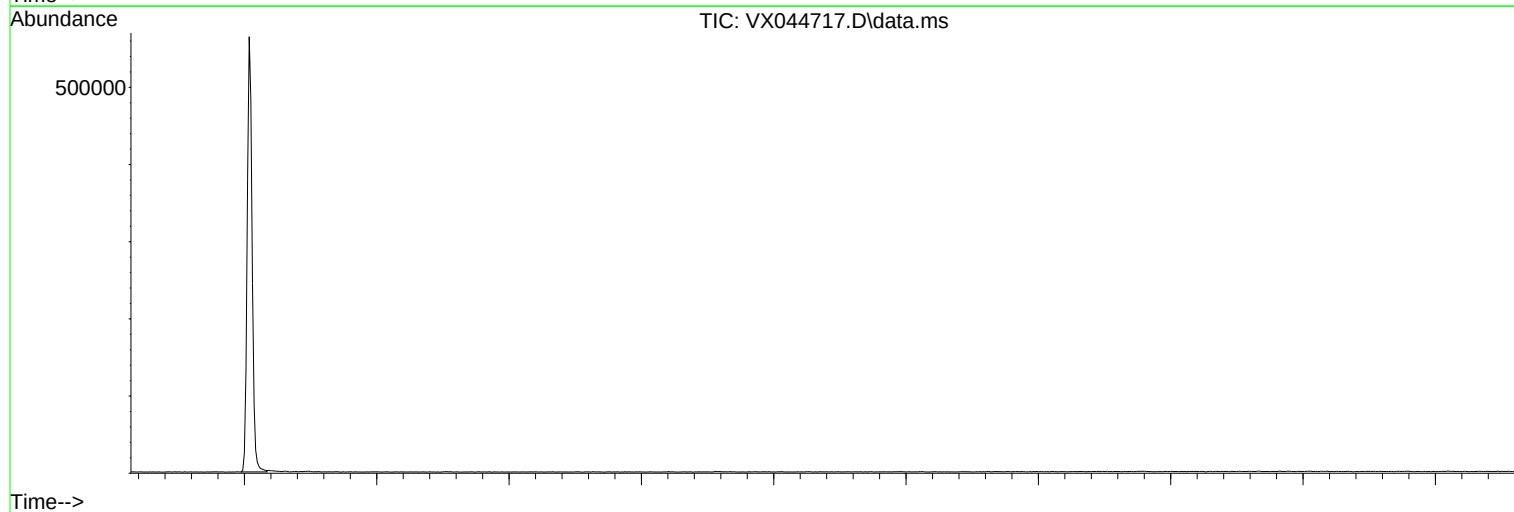
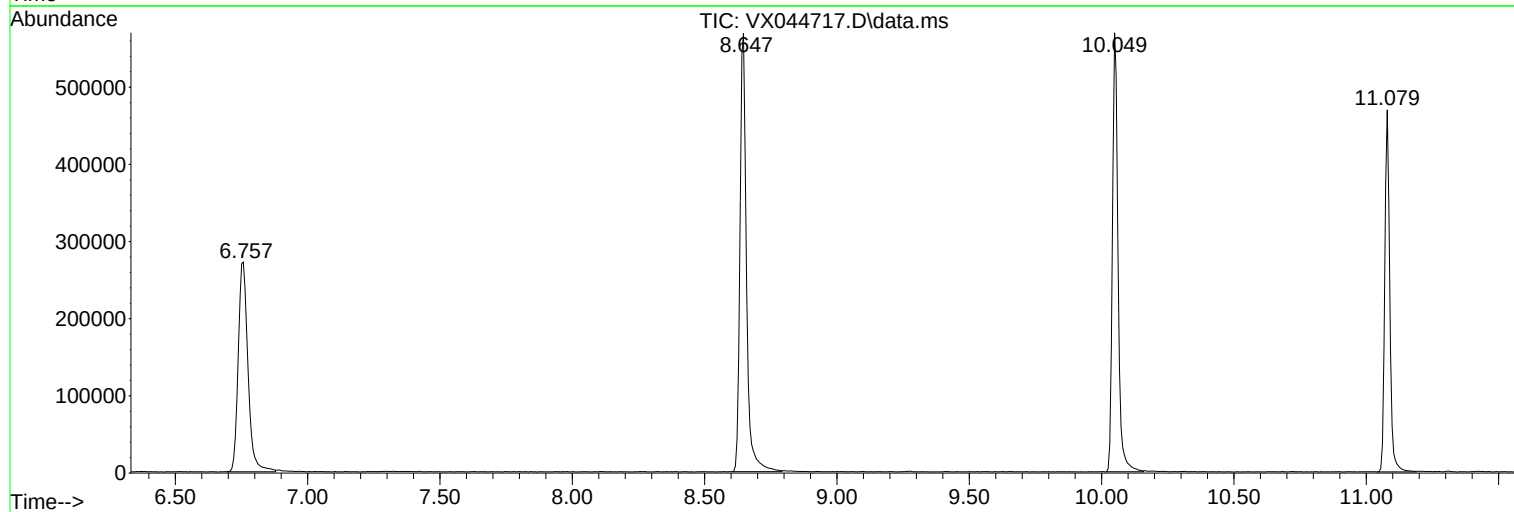
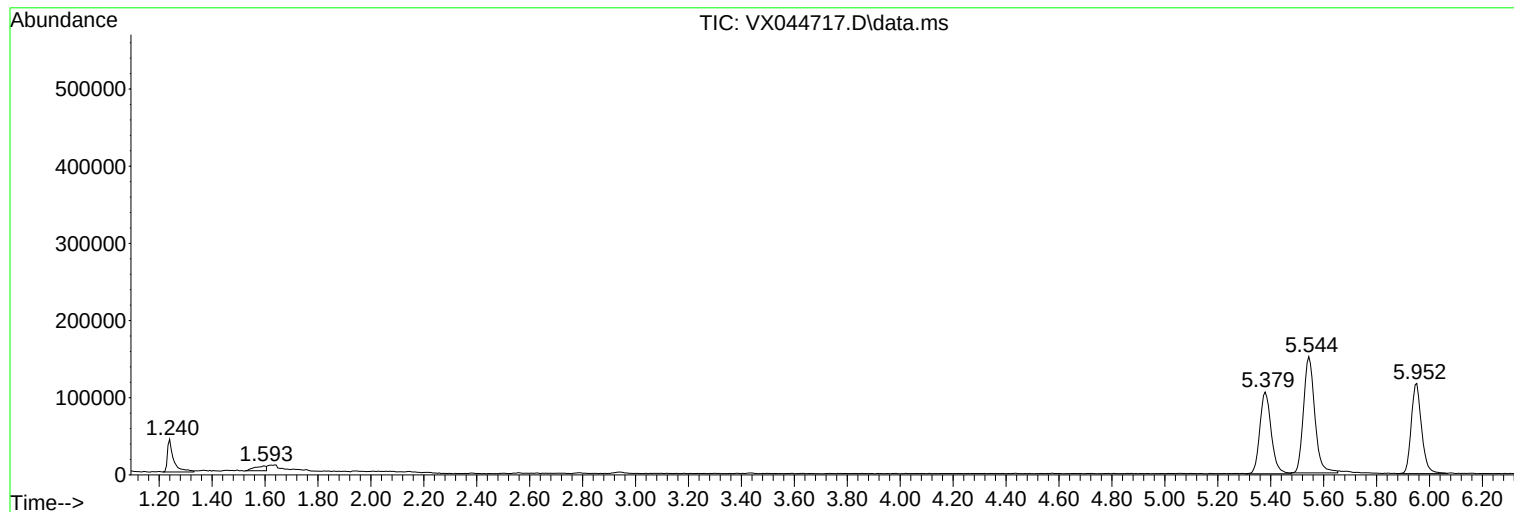
Sum of corrected areas: 5012746

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044717.D
Acq On : 27 Jan 2025 12:38
Operator : JC/MD
Sample : Q1173-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250121

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044717.D
Acq On : 27 Jan 2025 12:38
Operator : JC/MD
Sample : Q1173-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250121

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.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\VX012725\
Data File : VX044717.D
Acq On : 27 Jan 2025 12:38
Operator : JC/MD
Sample : Q1173-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250121

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.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:	01/21/25	
Project:	CTO WE13			Date Received:	01/23/25	
Client Sample ID:	BP-VPB-192-GW-60-62			SDG No.:	Q1173	
Lab Sample ID:	Q1173-02			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
VX044718.D	1		01/27/25 13:01	VX012725

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	UQ	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	12.0		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	01/21/25	
Project:	CTO WE13		Date Received:	01/23/25	
Client Sample ID:	BP-VPB-192-GW-60-62		SDG No.:	Q1173	
Lab Sample ID:	Q1173-02		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
VX044718.D	1		01/27/25 13:01	VX012725

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	49.0		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	55.7		89 - 112		111%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	145000	5.544				
540-36-3	1,4-Difluorobenzene	291000	6.757				
3114-55-4	Chlorobenzene-d5	261000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	111000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/21/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-GW-60-62	SDG No.:	Q1173
Lab Sample ID:	Q1173-02	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
VX044718.D	1		01/27/25 13:01	VX012725

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\VX012725\
 Data File : VX044718.D
 Acq On : 27 Jan 2025 13:01
 Operator : JC/MD
 Sample : Q1173-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-60-62

Quant Time: Jan 28 04:11:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

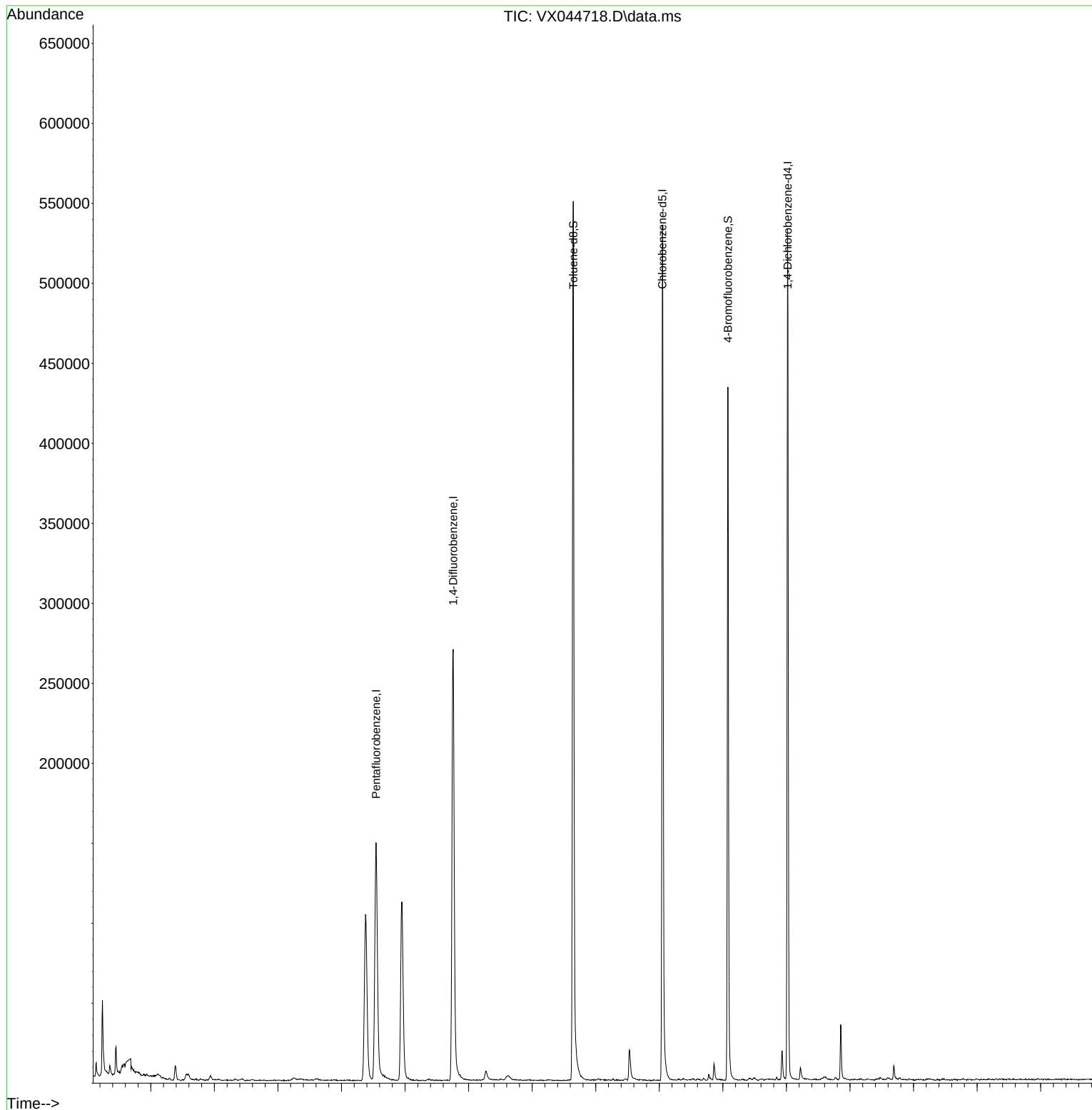
Internal Standards						
1) Pentafluorobenzene	5.544	168	145080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	291470	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	260564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	111378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	107332	49.013	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.020%		
35) Dibromofluoromethane	5.379	113	95202	51.414	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.820%		
50) Toluene-d8	8.647	98	359433	55.671	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	111.340%		
62) 4-Bromofluorobenzene	11.079	95	125581	52.176	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	104.360%		
Target Compounds						
16) Acetone	2.386	43	10408	12.013	ug/l	Qvalue 99

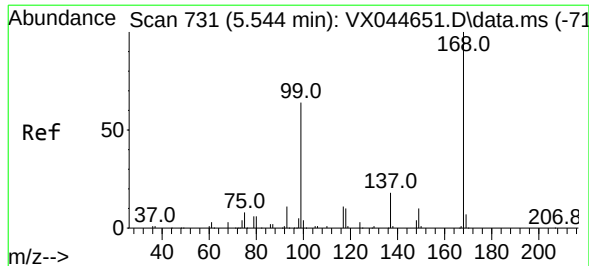
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044718.D
Acq On : 27 Jan 2025 13:01
Operator : JC/MD
Sample : Q1173-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-60-62

Quant Time: Jan 28 04:11:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

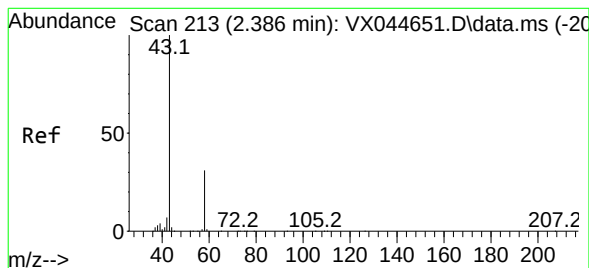
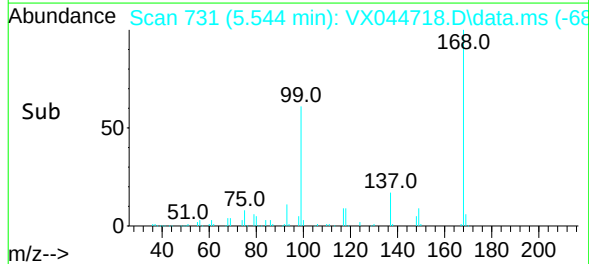
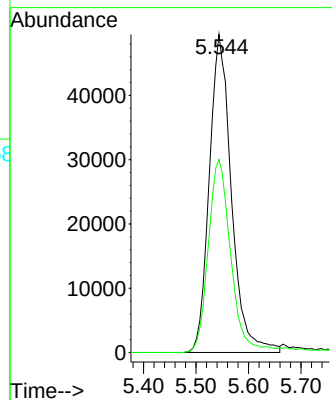
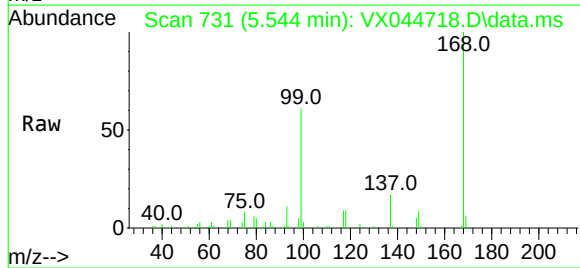




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX044718.D
Acq: 27 Jan 2025 13:01

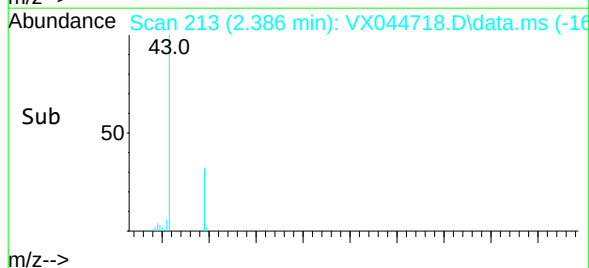
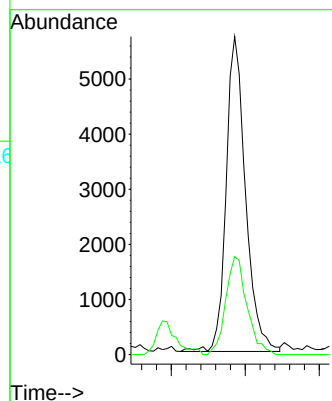
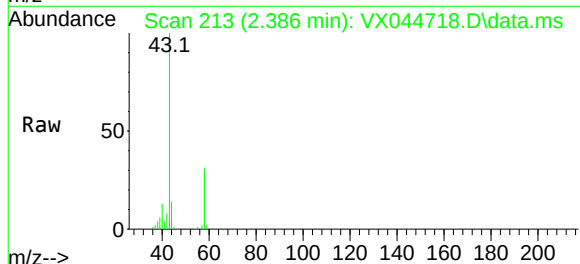
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-60-62

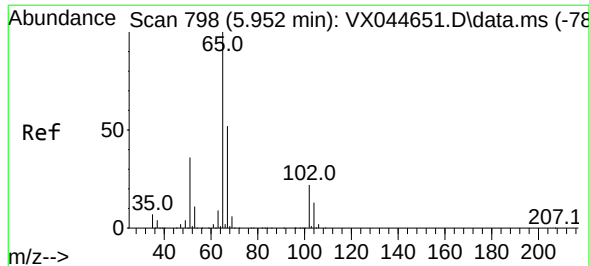
Tgt Ion: 168 Resp: 145080
Ion Ratio Lower Upper
168 100
99 60.7 51.1 76.7



#16
Acetone
Concen: 12.013 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044718.D
Acq: 27 Jan 2025 13:01

Tgt Ion: 43 Resp: 10408
Ion Ratio Lower Upper
43 100
58 31.1 24.6 37.0





#33

1,2-Dichloroethane-d4

Concen: 49.013 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.000 min

Lab File: VX044718.D

Acq: 27 Jan 2025 13:01

Instrument :

MSVOA_X

ClientSampleId :

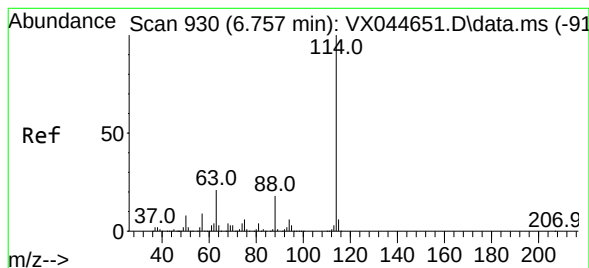
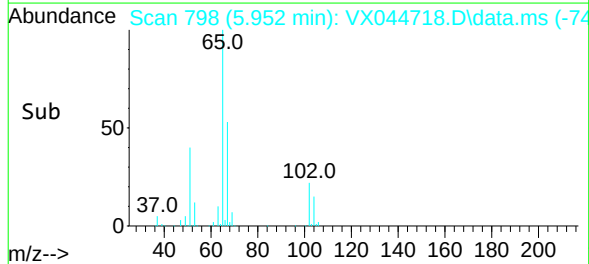
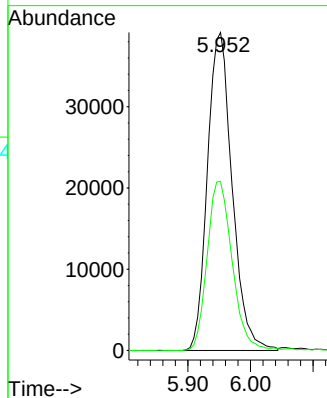
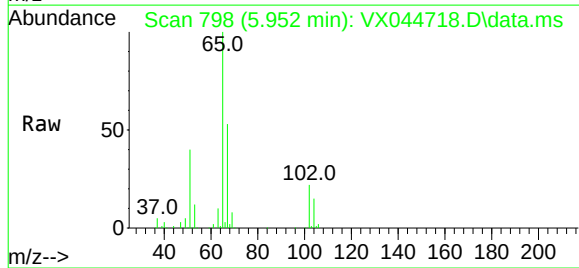
BP-VPB-192-GW-60-62

Tgt Ion: 65 Resp: 107332

Ion Ratio Lower Upper

65 100

67 53.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044718.D

Acq: 27 Jan 2025 13:01

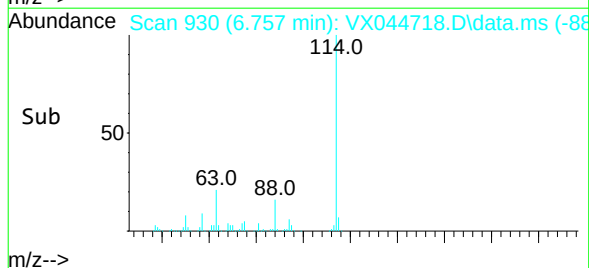
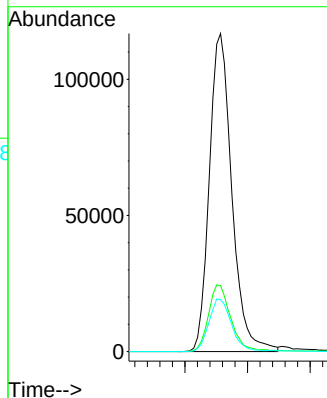
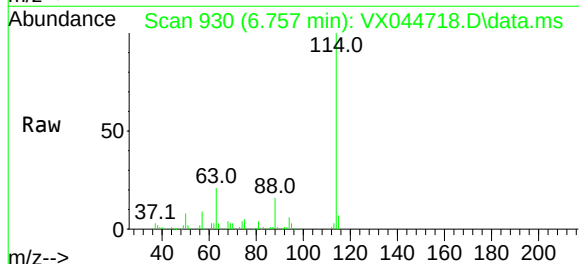
Tgt Ion: 114 Resp: 291470

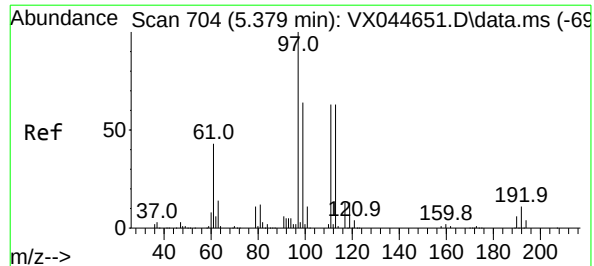
Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.0

88 16.3 0.0 35.4





#35

Dibromofluoromethane

Concen: 51.414 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044718.D

Acq: 27 Jan 2025 13:01

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-60-62

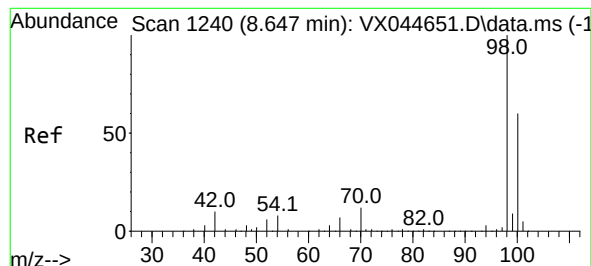
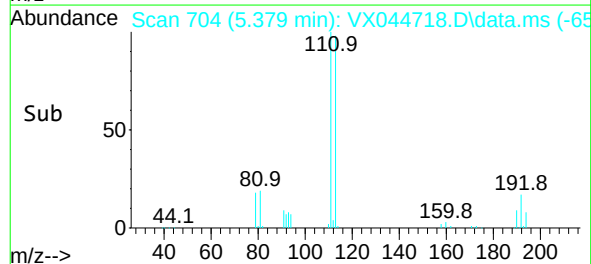
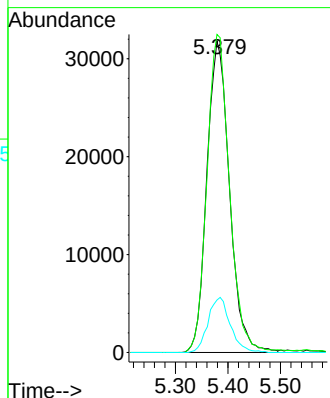
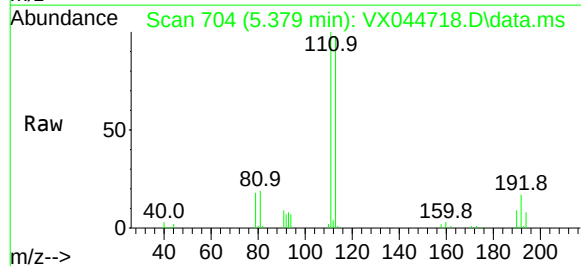
Tgt Ion:113 Resp: 95202

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

192 17.4 14.4 21.6



#50

Toluene-d8

Concen: 55.671 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044718.D

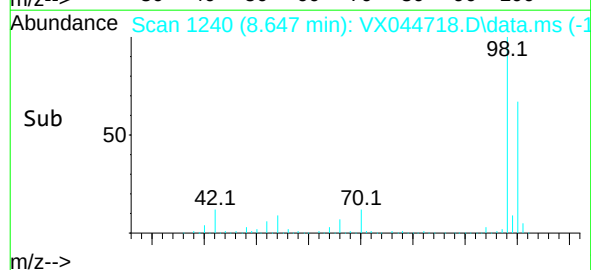
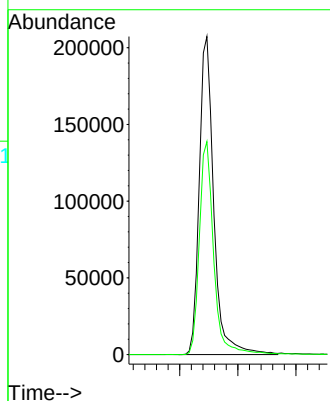
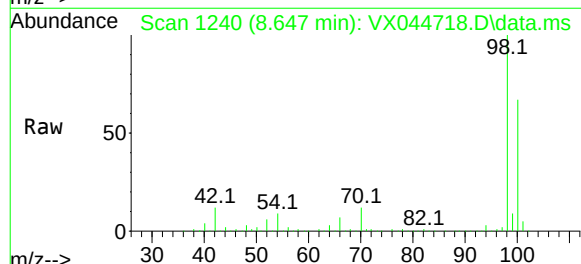
Acq: 27 Jan 2025 13:01

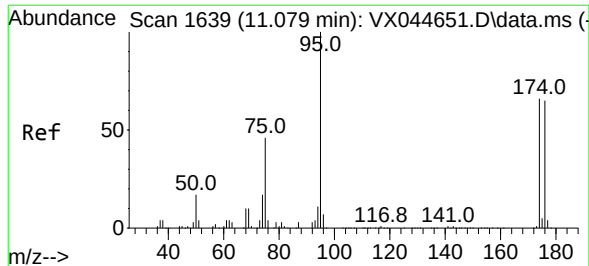
Tgt Ion: 98 Resp: 359433

Ion Ratio Lower Upper

98 100

100 66.5 53.2 79.8





#62

4-Bromofluorobenzene

Concen: 52.176 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044718.D

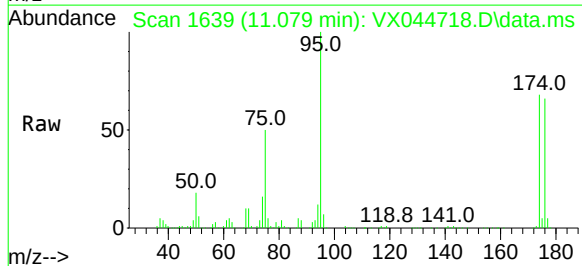
Acq: 27 Jan 2025 13:01

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-60-62



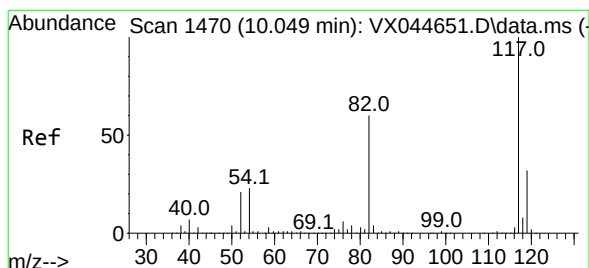
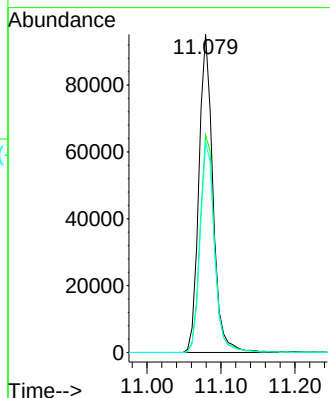
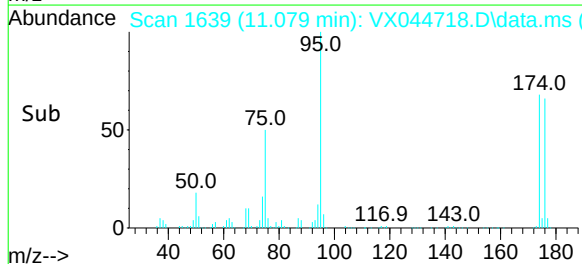
Tgt Ion: 95 Resp: 125581

Ion Ratio Lower Upper

95 100

174 70.6 0.0 133.0

176 67.4 0.0 129.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044718.D

Acq: 27 Jan 2025 13:01

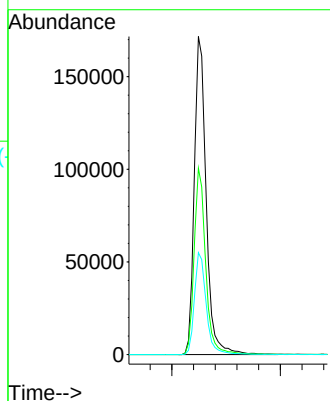
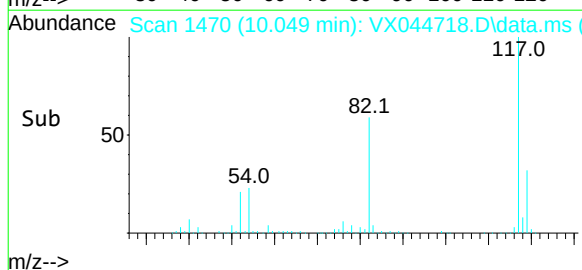
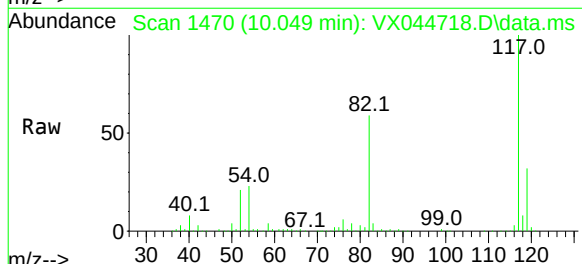
Tgt Ion: 117 Resp: 260564

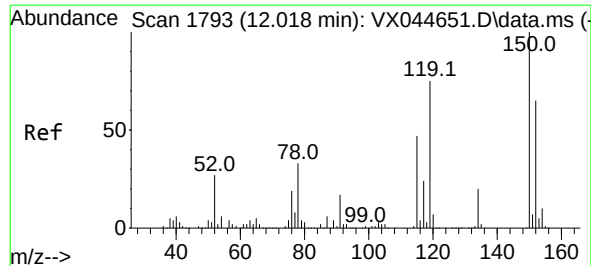
Ion Ratio Lower Upper

117 100

82 58.6 47.6 71.4

119 32.0 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 17

Delta R.T. 0.000 min

Lab File: VX044718.D

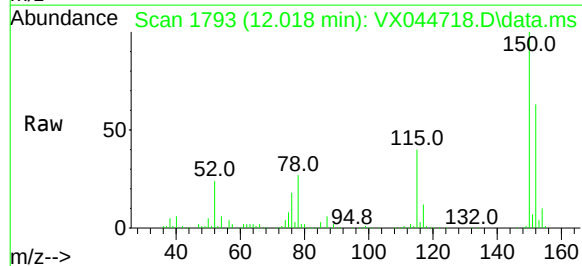
Acq: 27 Jan 2025 13:01

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-60-62



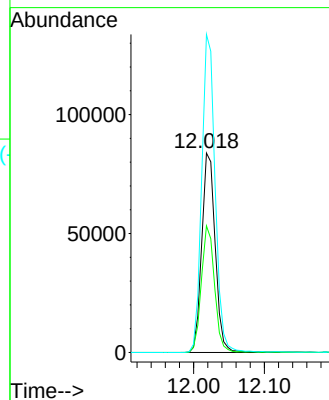
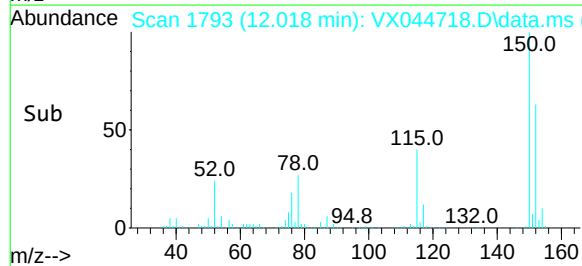
Tgt Ion:152 Resp: 111378

Ion Ratio Lower Upper

152 100

115 62.1 43.8 131.4

150 158.0 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044718.D
 Acq On : 27 Jan 2025 13:01
 Operator : JC/MD
 Sample : Q1173-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-60-62

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\82X011525W.M
 Title : SW846 8260

Signal : TIC: VX044718.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	5	9	18	rBV2	8529	11938	1.25%	0.235%
2	1.240	19	25	40	rVV	47100	72522	7.60%	1.430%
3	1.453	56	60	68	rBV	17029	23599	2.47%	0.465%
4	2.386	208	213	219	rBV	8956	16109	1.69%	0.318%
5	2.569	233	243	245	rBV3	3861	9546	1.00%	0.188%
6	5.379	693	704	720	rBV2	103945	309111	32.38%	6.095%
7	5.544	721	731	749	rBV	147643	433873	45.45%	8.555%
8	5.952	787	798	811	rBV	111413	308768	32.35%	6.088%
9	6.757	920	930	945	rBV	269685	678896	71.12%	13.386%
10	7.269	1006	1014	1023	rBV3	5491	14591	1.53%	0.288%
11	8.647	1233	1240	1260	rBV	549452	954598	100.00%	18.822%
12	9.531	1380	1385	1395	rBV2	18862	39233	4.11%	0.774%
13	10.049	1464	1470	1490	rBV	534974	809442	84.79%	15.960%
14	10.860	1599	1603	1612	rBV3	10125	15512	1.62%	0.306%
15	11.079	1633	1639	1660	rBV	433374	580051	60.76%	11.437%
16	11.933	1773	1779	1785	rBV	18283	27568	2.89%	0.544%
17	12.018	1788	1793	1808	rVB	531535	692652	72.56%	13.657%
18	12.219	1820	1826	1836	rBV2	7565	14049	1.47%	0.277%
19	12.853	1924	1930	1940	rBV	34637	47810	5.01%	0.943%
20	13.689	2064	2067	2074	rBV4	8391	11959	1.25%	0.236%

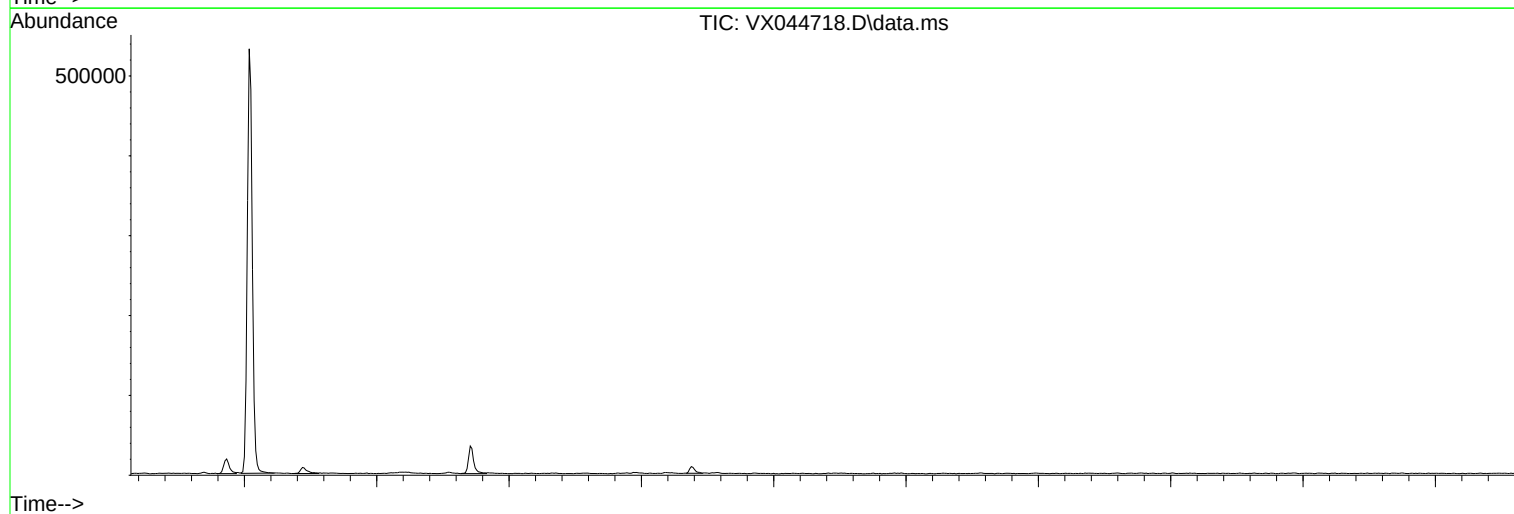
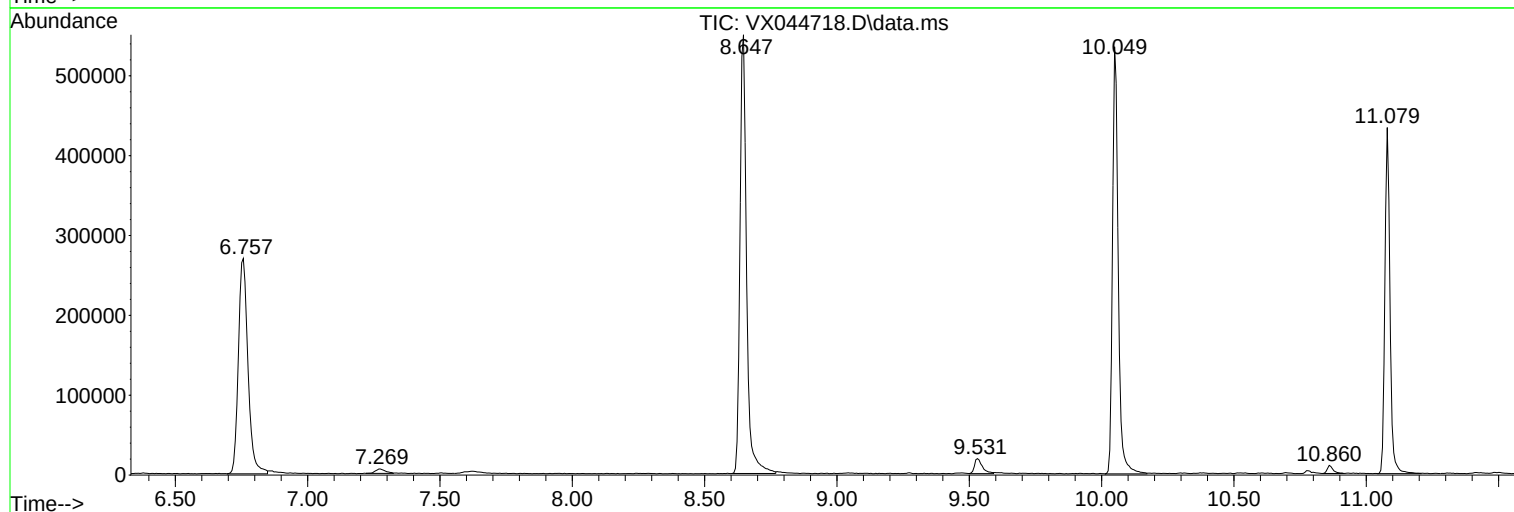
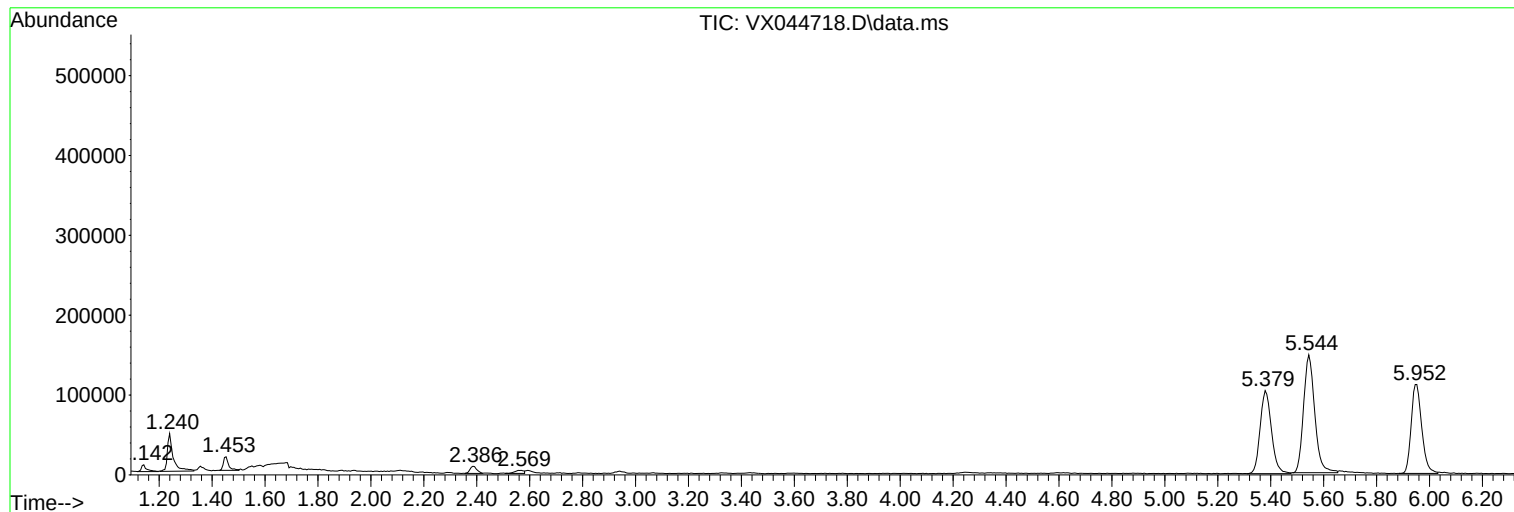
Sum of corrected areas: 5071827

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044718.D
Acq On : 27 Jan 2025 13:01
Operator : JC/MD
Sample : Q1173-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-60-62

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044718.D
Acq On : 27 Jan 2025 13:01
Operator : JC/MD
Sample : Q1173-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-60-62

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.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\VX012725\
Data File : VX044718.D
Acq On : 27 Jan 2025 13:01
Operator : JC/MD
Sample : Q1173-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-60-62

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	01/21/25		
Project:	CTO WE13			Date Received:	01/23/25		
Client Sample ID:	BP-VPB-192-GW-100-102			SDG No.:	Q1173		
Lab Sample ID:	Q1173-03			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
VX044719.D	1		01/27/25 13:24	VX012725

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	UQ	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	7.60		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	1.10		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	0.87	J	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	0.98	J	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/21/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-GW-100-102	SDG No.:	Q1173
Lab Sample ID:	Q1173-03	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
VX044719.D	1		01/27/25 13:24	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	1.10		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	47.9		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	55.2		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	157000	5.544				
540-36-3	1,4-Difluorobenzene	304000	6.757				
3114-55-4	Chlorobenzene-d5	268000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	116000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/21/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-GW-100-102	SDG No.:	Q1173
Lab Sample ID:	Q1173-03	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
VX044719.D	1		01/27/25 13:24	VX012725

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\VX012725\
 Data File : VX044719.D
 Acq On : 27 Jan 2025 13:24
 Operator : JC/MD
 Sample : Q1173-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-100-102

Quant Time: Jan 28 04:11:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

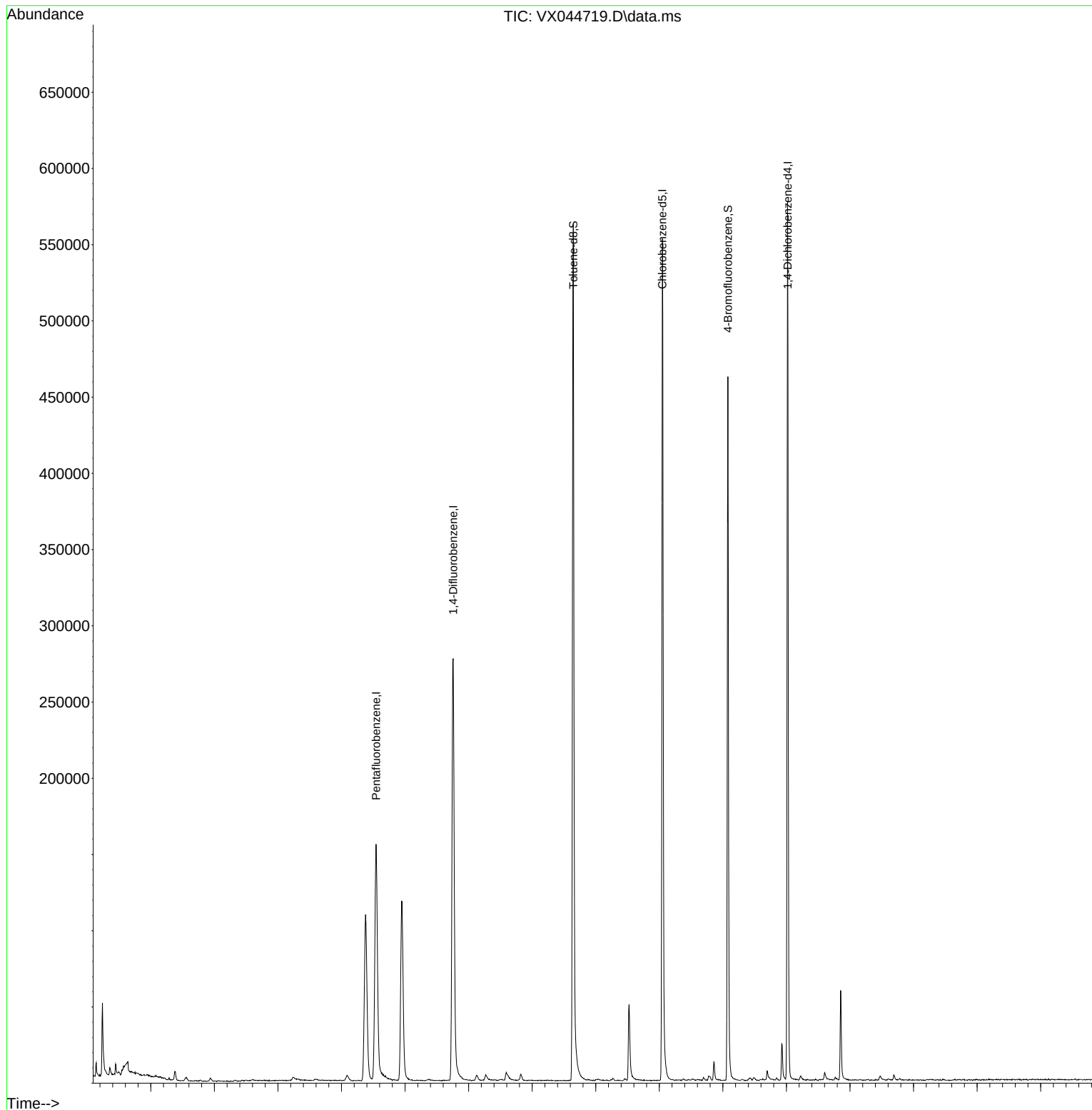
Internal Standards						
1) Pentafluorobenzene	5.544	168	156971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	304234	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	268221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	115943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	113380	47.853	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.700%		
35) Dibromofluoromethane	5.379	113	98218	50.818	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.640%		
50) Toluene-d8	8.647	98	372179	55.227	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	110.460%		
62) 4-Bromofluorobenzene	11.079	95	131621	52.391	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	104.780%		
Target Compounds						
16) Acetone	2.380	43	7094	7.568	ug/l	97
30) Chloroform	5.086	83	4072	1.094	ug/l	94
44) Trichloroethene	7.135	130	1739	0.868	ug/l	74
47) Bromodichloromethane	7.818	83	3219	0.983	ug/l #	90
60) Dibromochloromethane	9.525	129	2553	1.054	ug/l	99

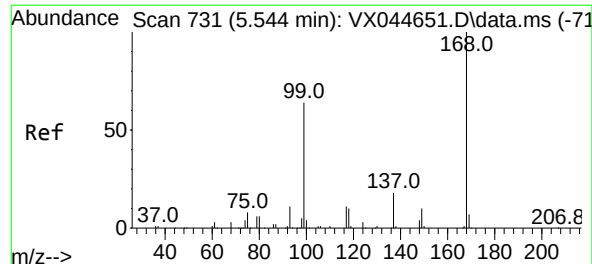
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044719.D
Acq On : 27 Jan 2025 13:24
Operator : JC/MD
Sample : Q1173-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

Quant Time: Jan 28 04:11:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

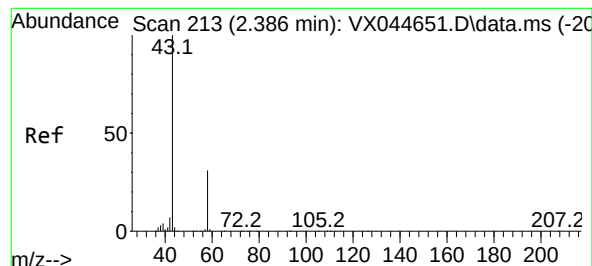
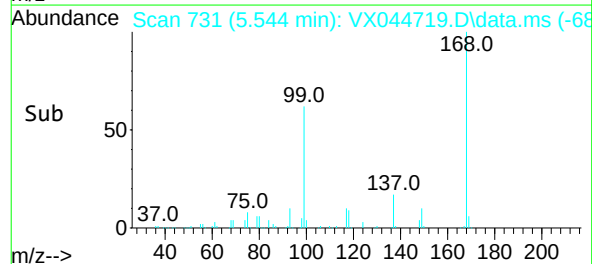
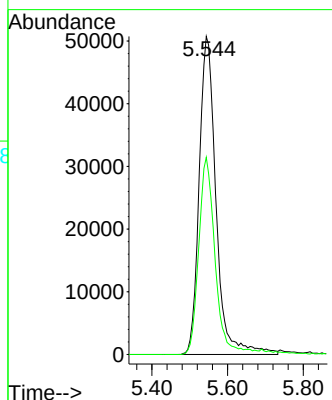
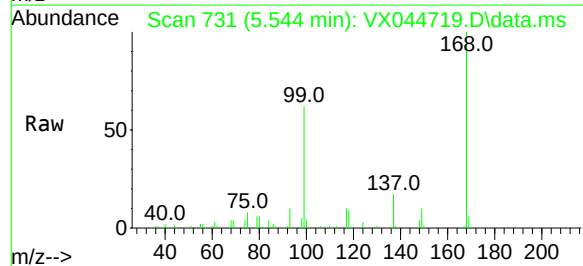




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

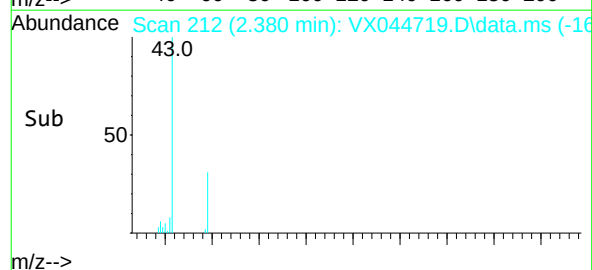
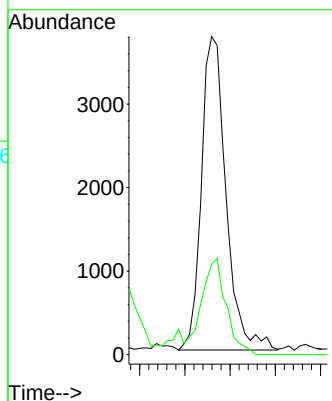
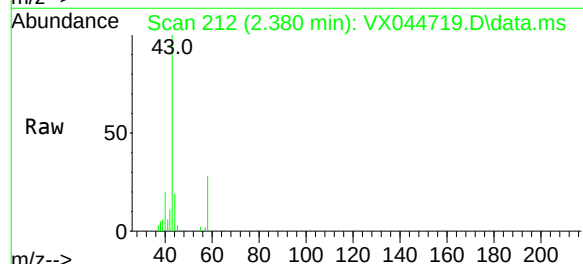
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

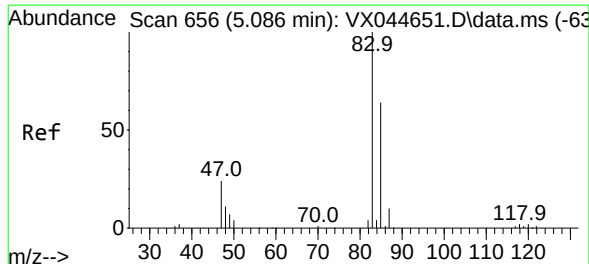
Tgt Ion: 168 Resp: 156971
Ion Ratio Lower Upper
168 100
99 62.0 51.1 76.7



#16
Acetone
Concen: 7.568 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Tgt Ion: 43 Resp: 7094
Ion Ratio Lower Upper
43 100
58 28.9 24.6 37.0





#30

Chloroform

Concen: 1.094 ug/l

RT: 5.086 min Scan# 65

Delta R.T. 0.000 min

Lab File: VX044719.D

Acq: 27 Jan 2025 13:24

Instrument :

MSVOA_X

ClientSampleId :

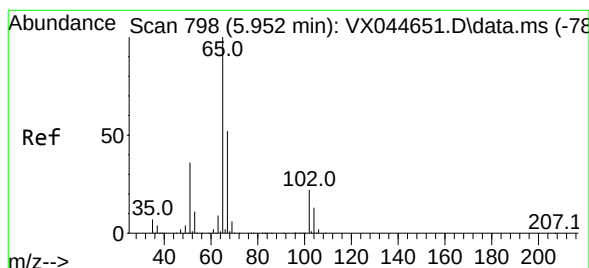
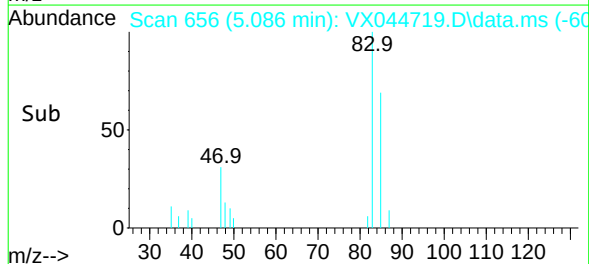
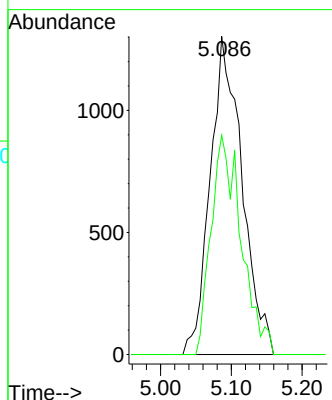
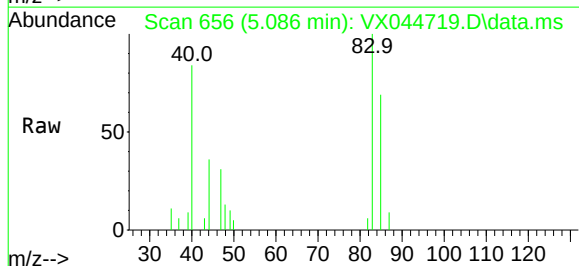
BP-VPB-192-GW-100-102

Tgt Ion: 83 Resp: 4072

Ion Ratio Lower Upper

83 100

85 68.9 51.2 76.8



#33

1,2-Dichloroethane-d4

Concen: 47.853 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX044719.D

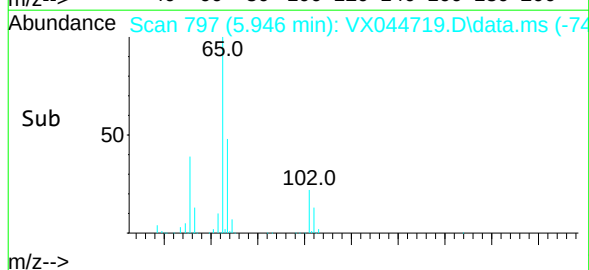
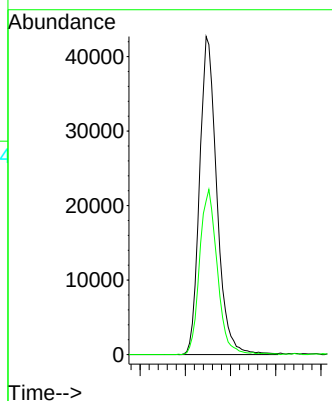
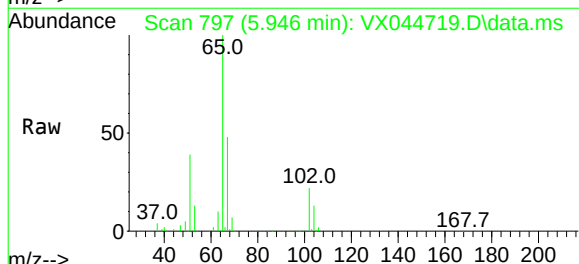
Acq: 27 Jan 2025 13:24

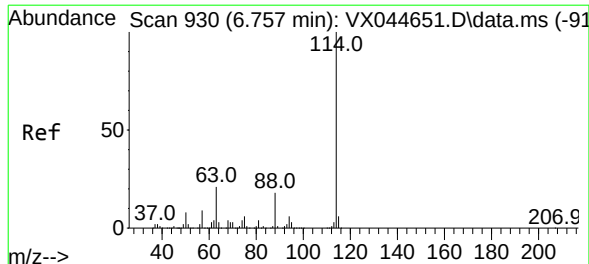
Tgt Ion: 65 Resp: 113380

Ion Ratio Lower Upper

65 100

67 53.0 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044719.D

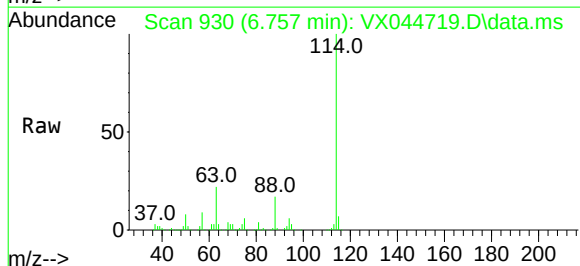
Acq: 27 Jan 2025 13:24

Instrument :

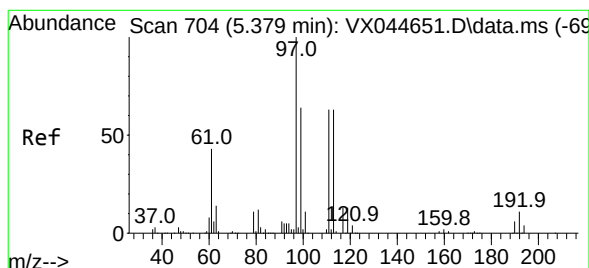
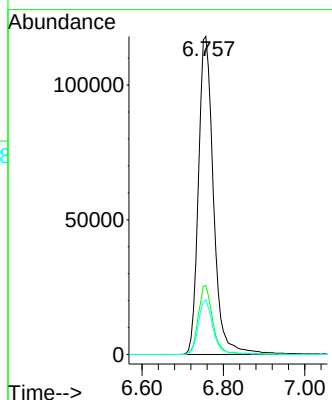
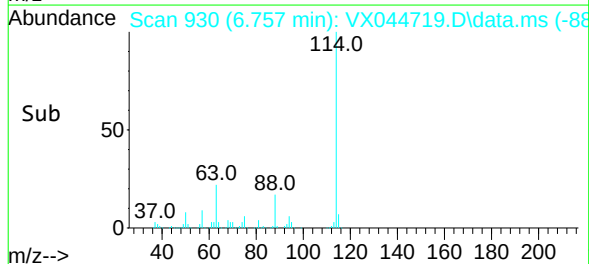
MSVOA_X

ClientSampleId :

BP-VPB-192-GW-100-102



Tgt Ion:	114	Resp:	304234
Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.0
88	17.2	0.0	35.4



#35

Dibromofluoromethane

Concen: 50.818 ug/l

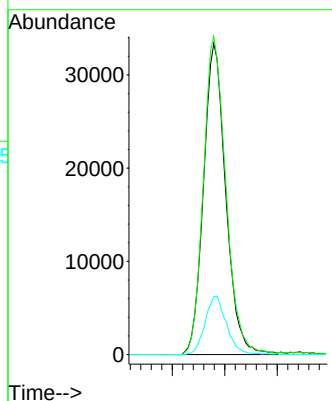
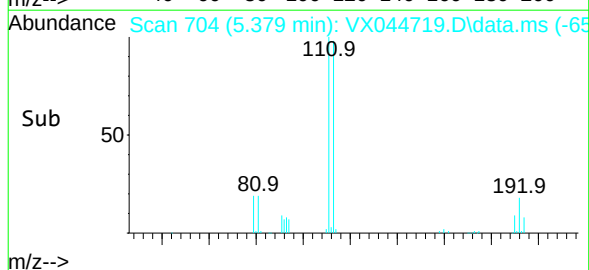
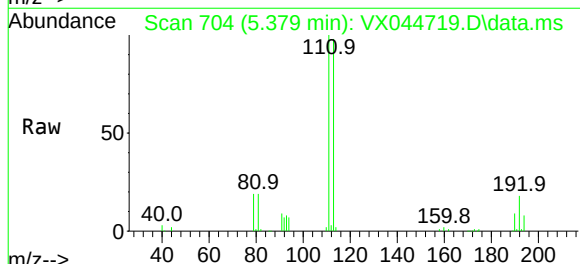
RT: 5.379 min Scan# 704

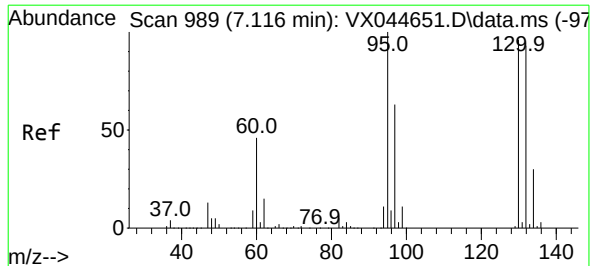
Delta R.T. 0.000 min

Lab File: VX044719.D

Acq: 27 Jan 2025 13:24

Tgt Ion:	113	Resp:	98218
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.6	122.4
192	18.2	14.4	21.6





#44

Trichloroethene

Concen: 0.868 ug/l

RT: 7.135 min Scan# 99

Delta R.T. 0.018 min

Lab File: VX044719.D

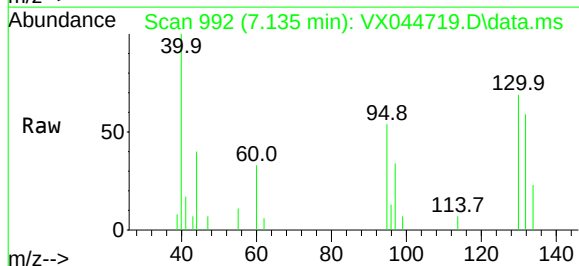
Acq: 27 Jan 2025 13:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-100-102

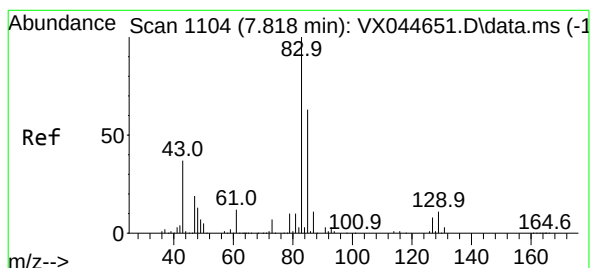
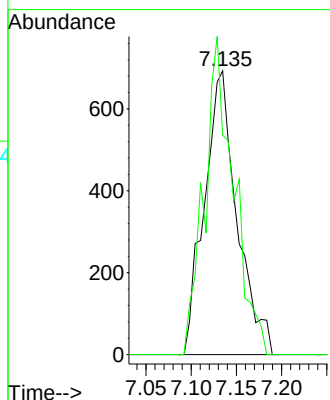
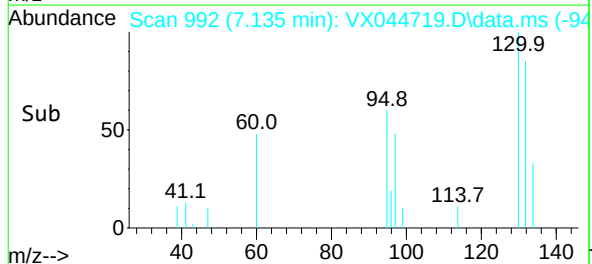


Tgt Ion:130 Resp: 1739

Ion Ratio Lower Upper

130 100

95 77.3 0.0 208.2



#47

Bromodichloromethane

Concen: 0.983 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044719.D

Acq: 27 Jan 2025 13:24

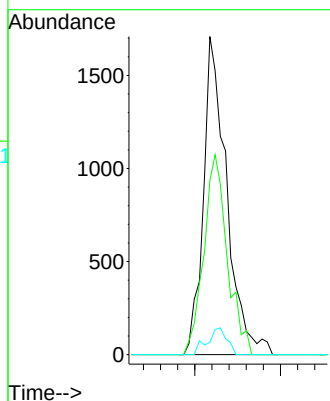
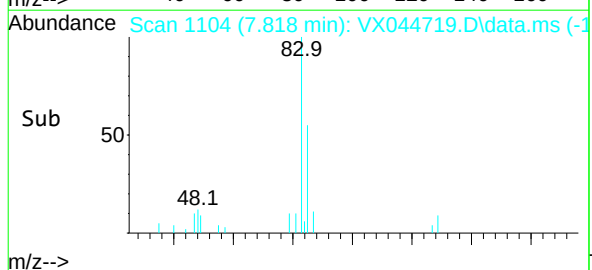
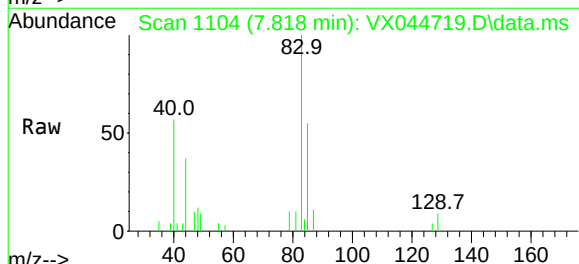
Tgt Ion: 83 Resp: 3219

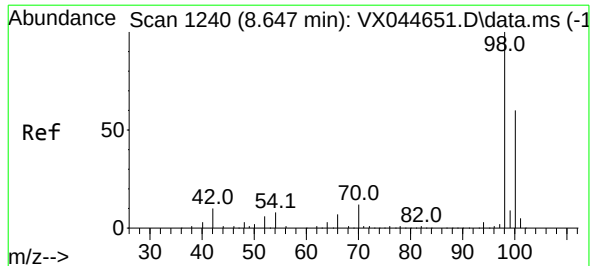
Ion Ratio Lower Upper

83 100

85 54.7 50.1 75.1

127 3.9 6.5 9.7#





#50

Toluene-d8

Concen: 55.227 ug/l

RT: 8.647 min Scan# 12

Delta R.T. 0.000 min

Lab File: VX044719.D

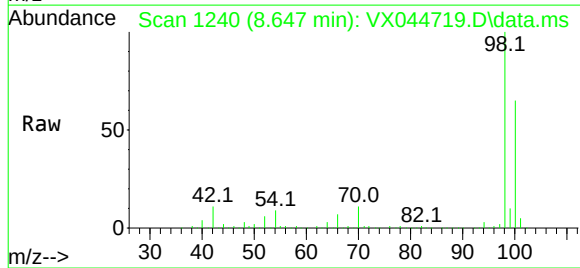
Acq: 27 Jan 2025 13:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-100-102

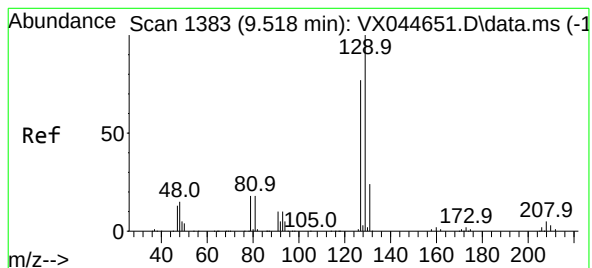
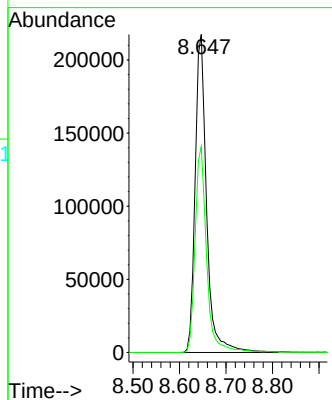
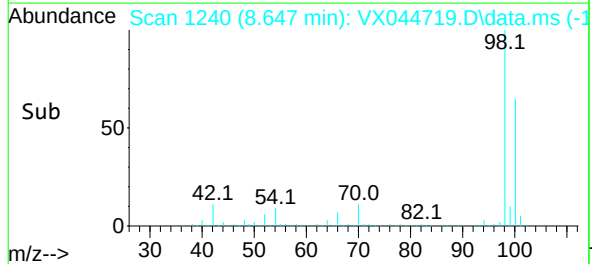


Tgt Ion: 98 Resp: 372179

Ion Ratio Lower Upper

98 100

100 65.1 53.2 79.8



#60

Dibromochloromethane

Concen: 1.054 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. 0.006 min

Lab File: VX044719.D

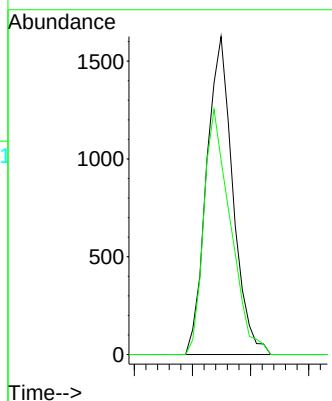
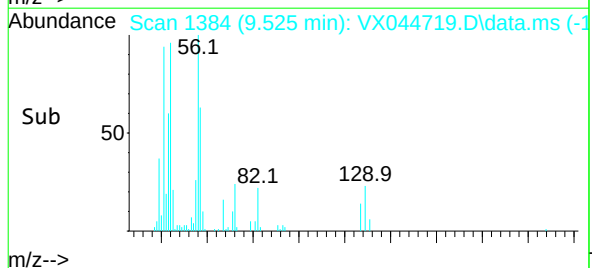
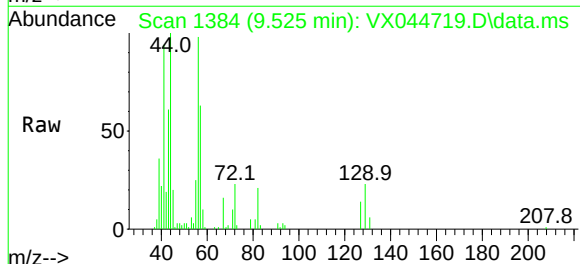
Acq: 27 Jan 2025 13:24

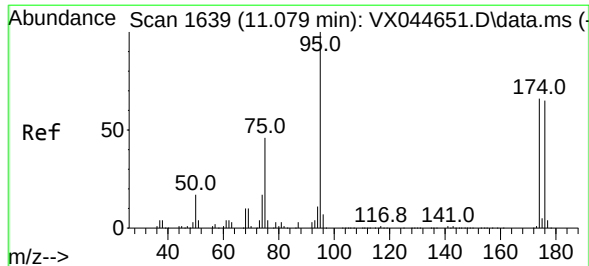
Tgt Ion: 129 Resp: 2553

Ion Ratio Lower Upper

129 100

127 78.2 38.5 115.5





#62

4-Bromofluorobenzene

Concen: 52.391 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044719.D

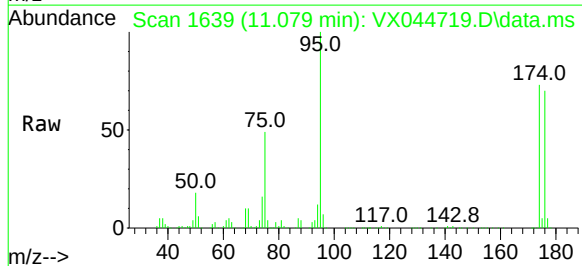
Acq: 27 Jan 2025 13:24

Instrument :

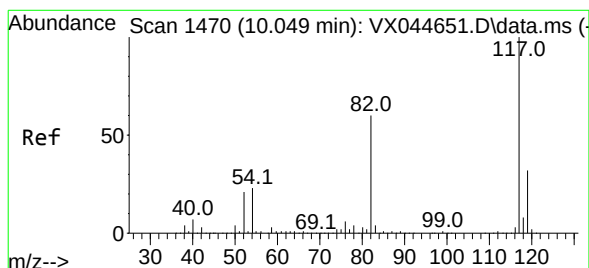
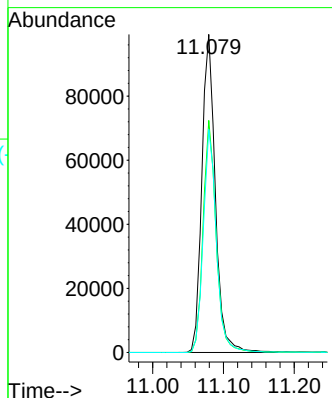
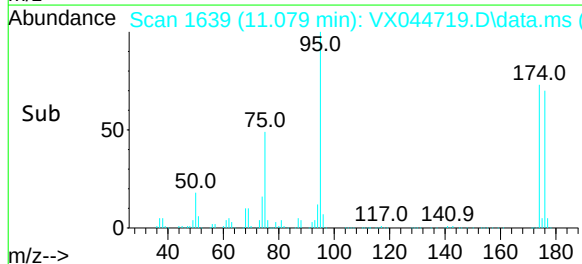
MSVOA_X

ClientSampleId :

BP-VPB-192-GW-100-102



Tgt Ion:	95	Resp:	131621
Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	133.0
176	68.2	0.0	129.4



#63

Chlorobenzene-d5

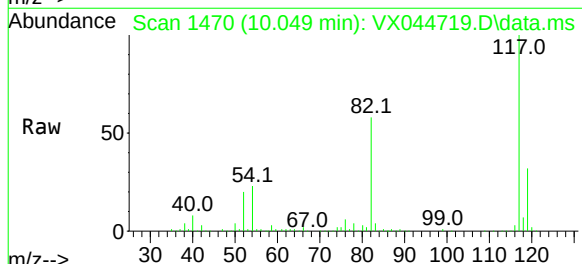
Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

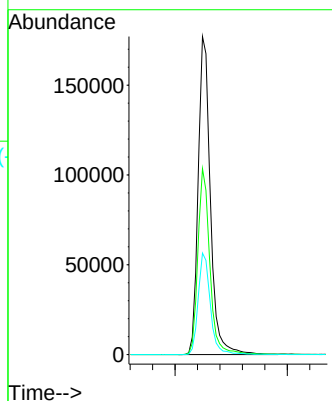
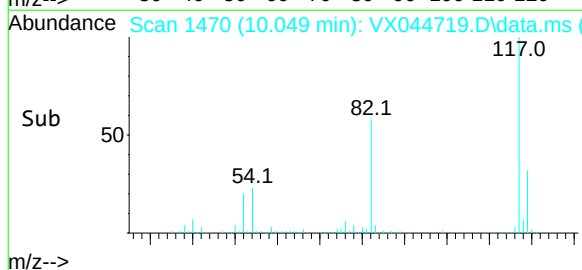
Delta R.T. 0.000 min

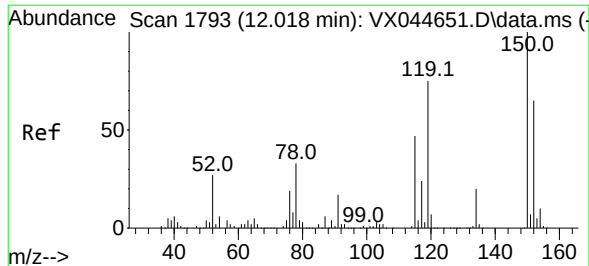
Lab File: VX044719.D

Acq: 27 Jan 2025 13:24



Tgt Ion:	117	Resp:	268221
Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.6	71.4
119	31.9	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 17

Delta R.T. 0.000 min

Lab File: VX044719.D

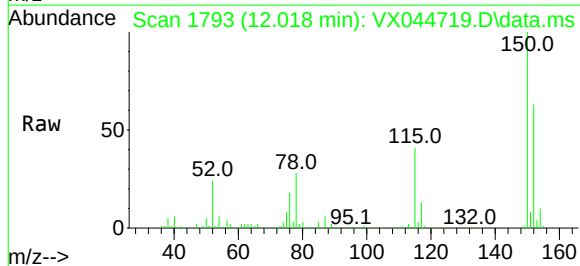
Acq: 27 Jan 2025 13:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-100-102



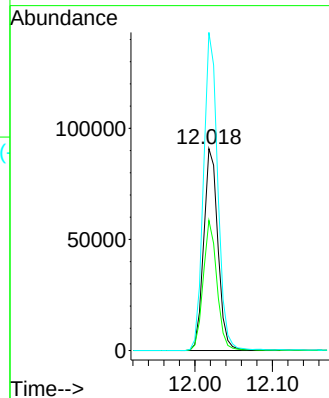
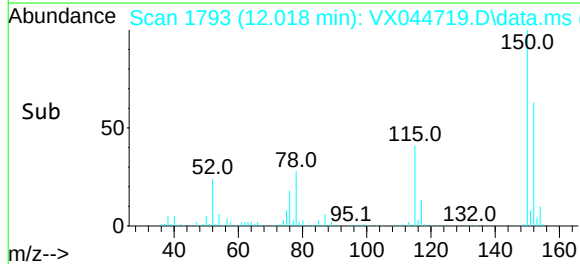
Tgt Ion:152 Resp: 115943

Ion Ratio Lower Upper

152 100

115 62.2 43.8 131.4

150 157.7 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044719.D
 Acq On : 27 Jan 2025 13:24
 Operator : JC/MD
 Sample : Q1173-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-100-102

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\82X011525W.M
 Title : SW846 8260

Signal : TIC: VX044719.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	17	rBV2	8858	10969	1.12%	0.208%
2	1.240	20	25	41	rBV	48007	71806	7.34%	1.361%
3	1.569	72	79	81	rBV4	5752	11360	1.16%	0.215%
4	2.380	207	212	218	rVB	5840	9885	1.01%	0.187%
5	5.086	649	656	669	rVB4	3631	11456	1.17%	0.217%
6	5.379	694	704	721	rBV	109022	321828	32.88%	6.100%
7	5.544	721	731	749	rBV	154006	455078	46.49%	8.625%
8	5.946	788	797	813	rBV	117596	321671	32.86%	6.097%
9	6.757	920	930	945	rBV	276675	696244	71.12%	13.196%
10	7.592	1063	1067	1079	rBV6	5140	14681	1.50%	0.278%
11	8.647	1233	1240	1263	rBV	561402	978933	100.00%	18.554%
12	9.525	1379	1384	1399	rBV	49700	93678	9.57%	1.775%
13	10.049	1465	1470	1492	rBV	551890	822436	84.01%	15.588%
14	10.860	1599	1603	1611	rVV2	12187	17386	1.78%	0.330%
15	11.079	1634	1639	1649	rBV	461468	602884	61.59%	11.426%
16	11.927	1774	1778	1788	rBV	23799	35997	3.68%	0.682%
17	12.018	1788	1793	1805	rVV	576045	721640	73.72%	13.677%
18	12.853	1925	1930	1943	rBV	58526	78260	7.99%	1.483%

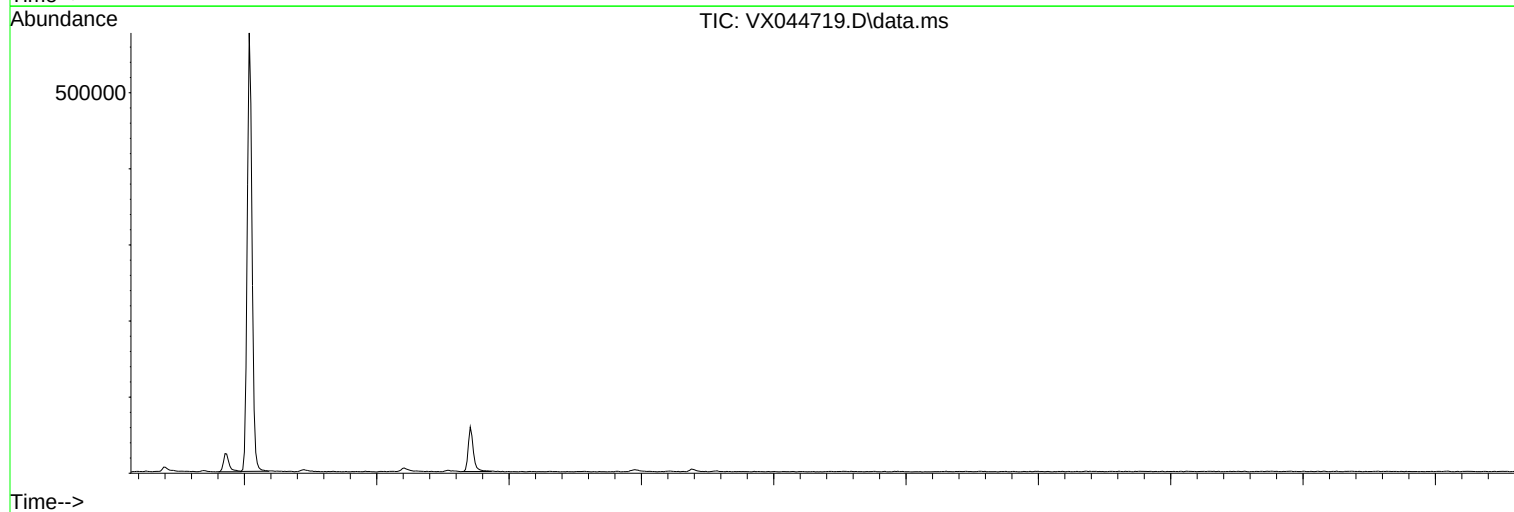
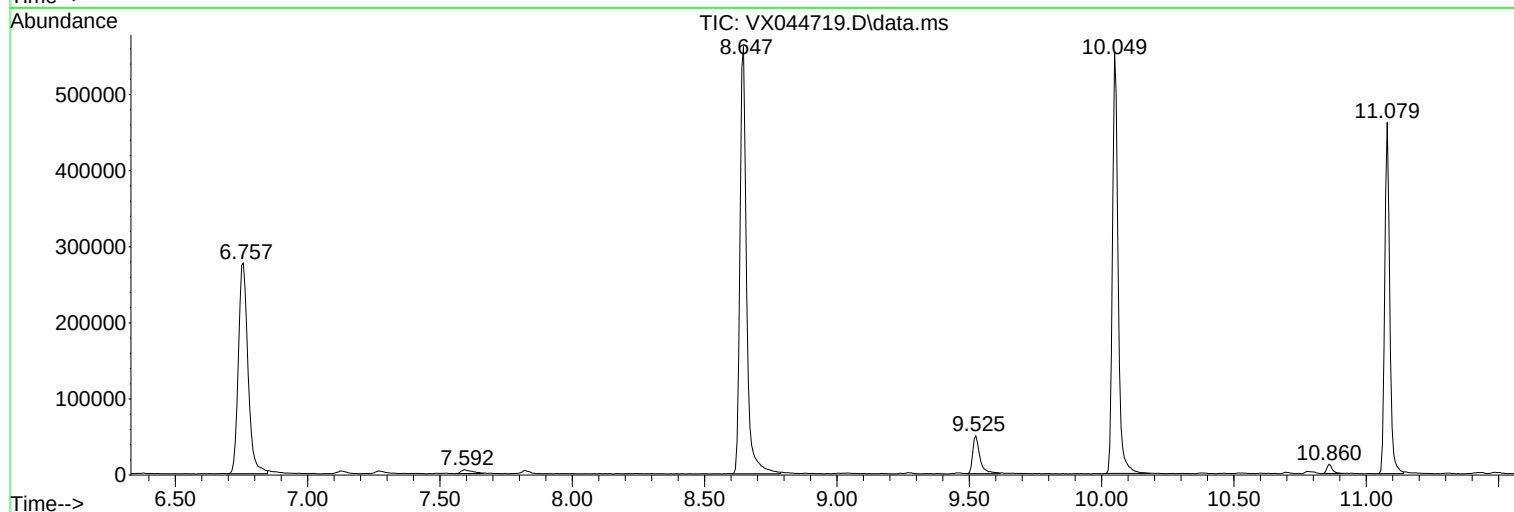
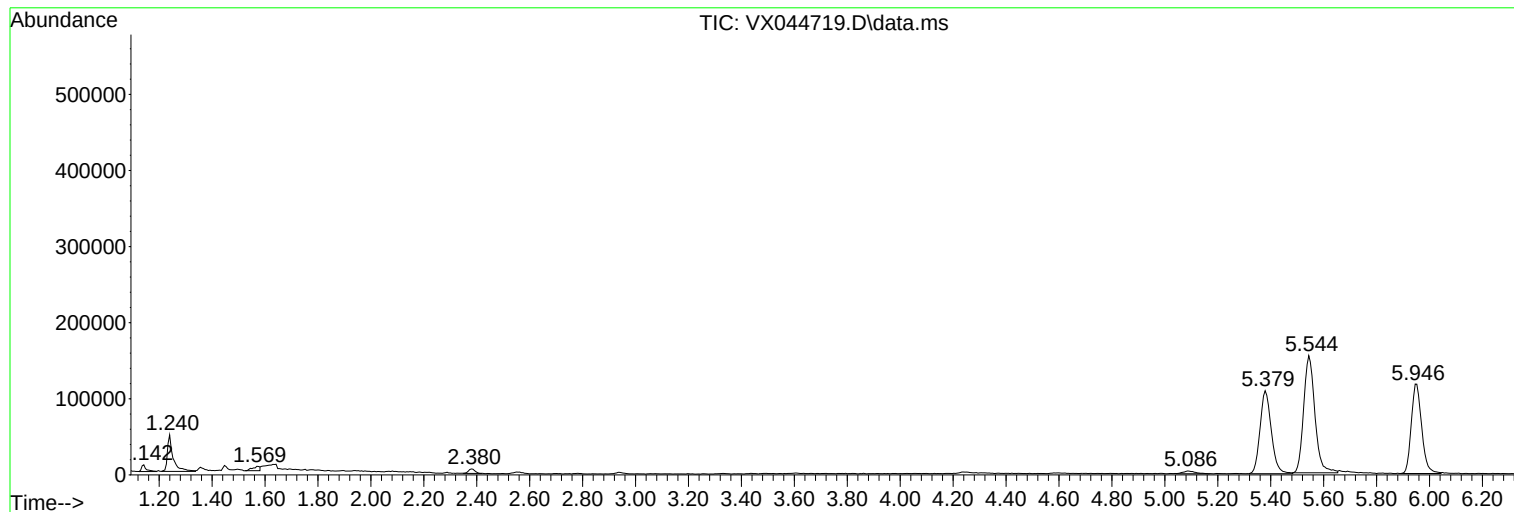
Sum of corrected areas: 5276192

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044719.D
Acq On : 27 Jan 2025 13:24
Operator : JC/MD
Sample : Q1173-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044719.D
Acq On : 27 Jan 2025 13:24
Operator : JC/MD
Sample : Q1173-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.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\VX012725\
Data File : VX044719.D
Acq On : 27 Jan 2025 13:24
Operator : JC/MD
Sample : Q1173-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.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:	01/22/25	
Project:	CTO WE13			Date Received:	01/23/25	
Client Sample ID:	BP-VPB-192-GW-140-142			SDG No.:	Q1173	
Lab Sample ID:	Q1173-04			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
VX044720.D	1		01/27/25 13:47	VX012725

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	UQ	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	7.40		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	0.70	J	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	6.50		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	0.96	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:	01/22/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-GW-140-142	SDG No.:	Q1173
Lab Sample ID:	Q1173-04	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
VX044720.D	1		01/27/25 13:47	VX012725

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	48.7		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	54.9		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	154000	5.544				
540-36-3	1,4-Difluorobenzene	313000	6.757				
3114-55-4	Chlorobenzene-d5	273000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	115000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/22/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-GW-140-142	SDG No.:	Q1173
Lab Sample ID:	Q1173-04	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
VX044720.D	1		01/27/25 13:47	VX012725

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\VX012725\
 Data File : VX044720.D
 Acq On : 27 Jan 2025 13:47
 Operator : JC/MD
 Sample : Q1173-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-140-142

Quant Time: Jan 28 04:11:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

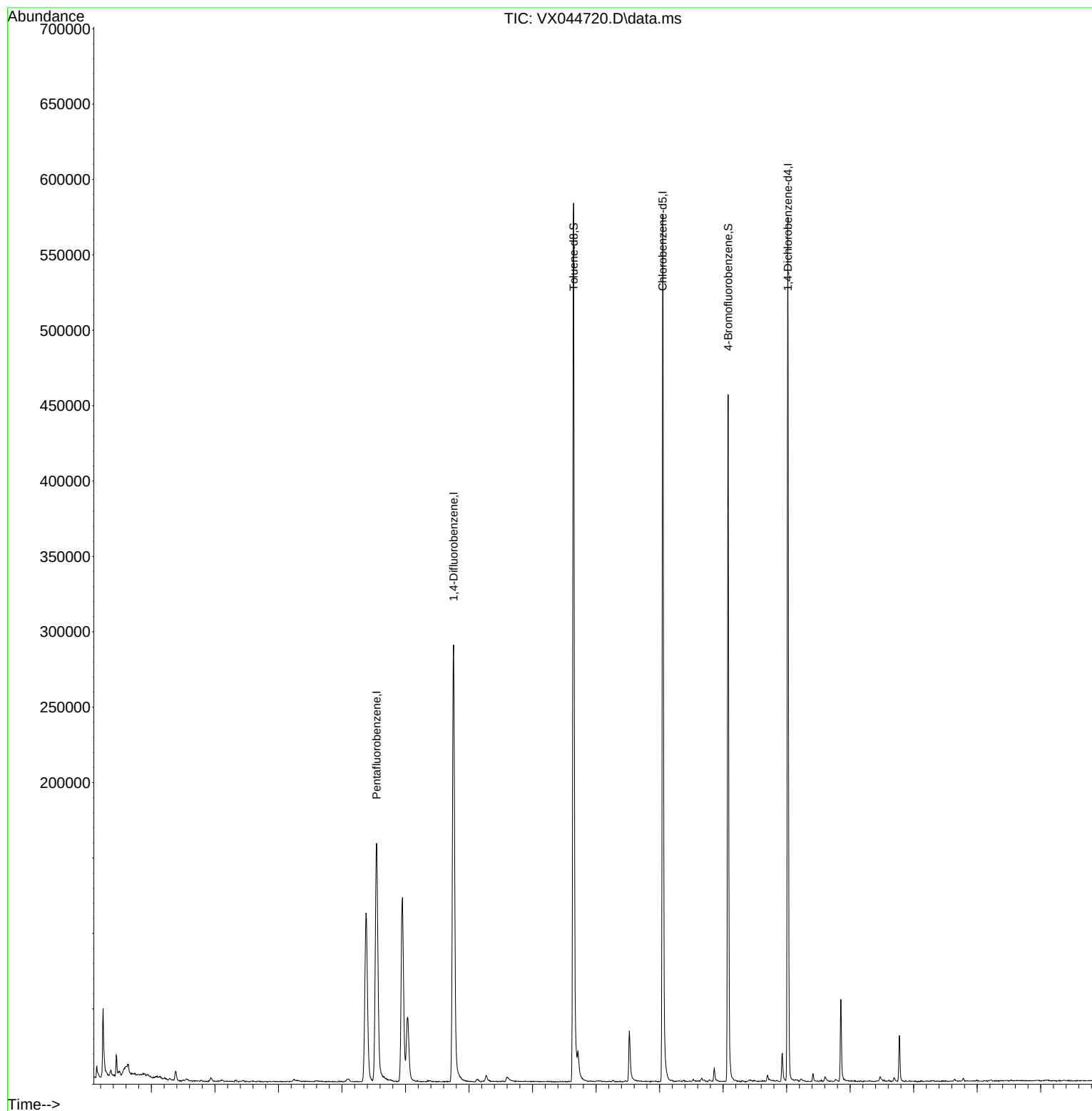
Internal Standards						
1) Pentafluorobenzene	5.544	168	153813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	313071	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	272691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	113117	48.722	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	97.440%	
35) Dibromofluoromethane	5.379	113	101908	51.239	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	102.480%	
50) Toluene-d8	8.647	98	380557	54.876	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	109.760%	
62) 4-Bromofluorobenzene	11.079	95	131541	50.881	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	101.760%	
Target Compounds						
16) Acetone	2.380	43	6840	7.446	ug/l	91
30) Chloroform	5.093	83	2564	0.703	ug/l	87
40) Benzene	6.038	78	55540	6.474	ug/l	98
52) Toluene	8.720	92	5022	0.956	ug/l	96

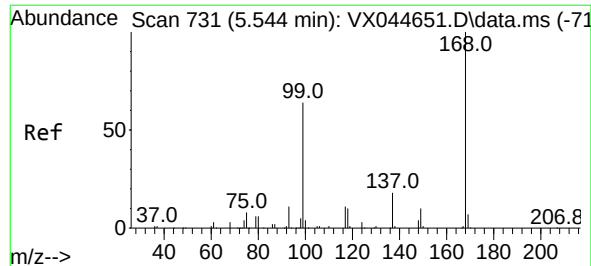
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044720.D
Acq On : 27 Jan 2025 13:47
Operator : JC/MD
Sample : Q1173-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-140-142

Quant Time: Jan 28 04:11:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

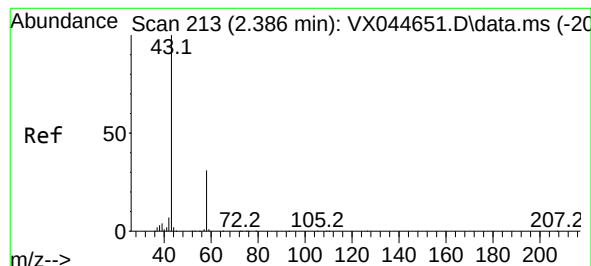
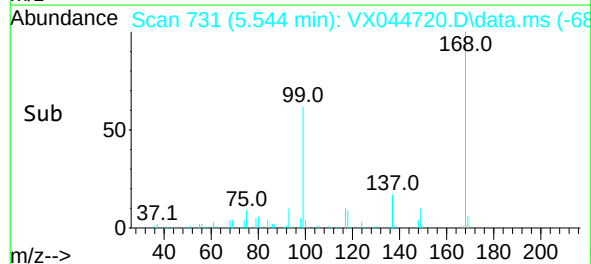
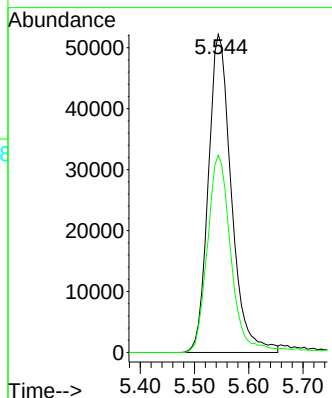
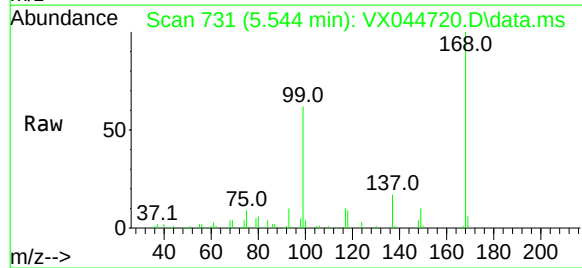




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX044720.D
Acq: 27 Jan 2025 13:47

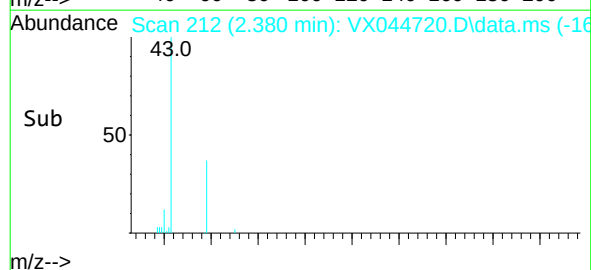
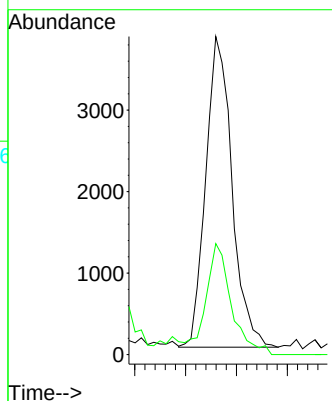
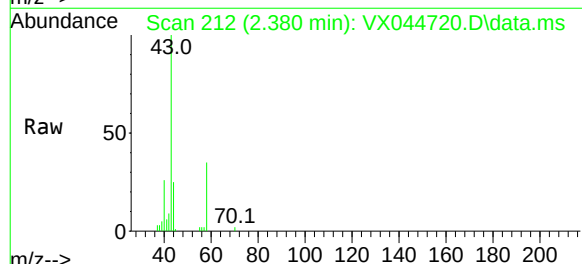
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-140-142

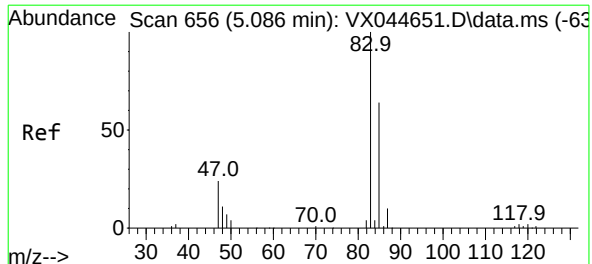
Tgt Ion: 168 Resp: 153813
Ion Ratio Lower Upper
168 100
99 62.0 51.1 76.7



#16
Acetone
Concen: 7.446 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044720.D
Acq: 27 Jan 2025 13:47

Tgt Ion: 43 Resp: 6840
Ion Ratio Lower Upper
43 100
58 35.7 24.6 37.0





#30

Chloroform

Concen: 0.703 ug/l

RT: 5.093 min Scan# 65

Delta R.T. 0.006 min

Lab File: VX044720.D

Acq: 27 Jan 2025 13:47

Instrument :

MSVOA_X

ClientSampleId :

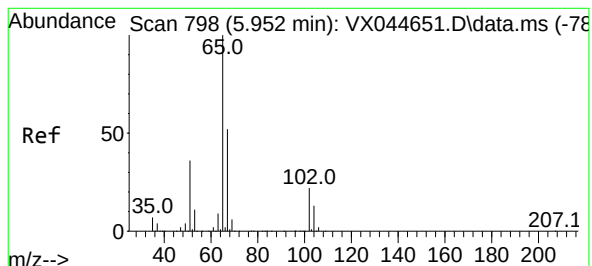
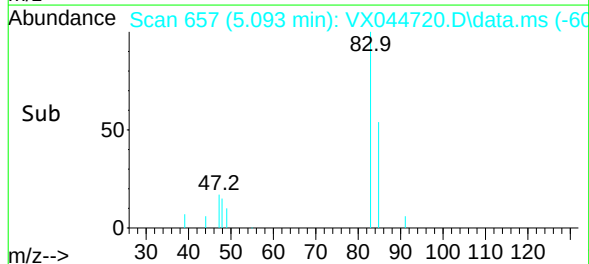
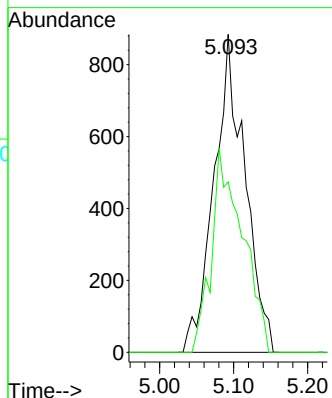
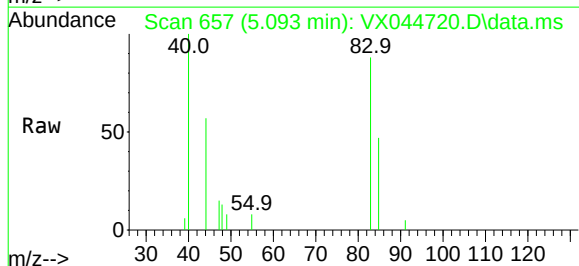
BP-VPB-192-GW-140-142

Tgt Ion: 83 Resp: 2564

Ion Ratio Lower Upper

83 100

85 53.6 51.2 76.8



#33

1,2-Dichloroethane-d4

Concen: 48.722 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX044720.D

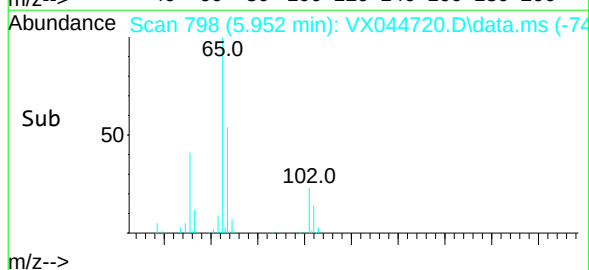
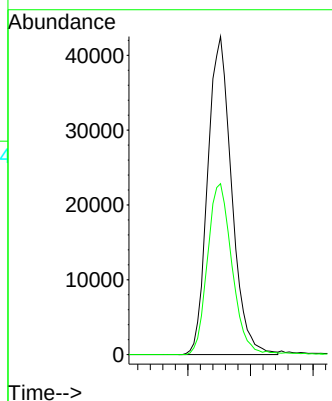
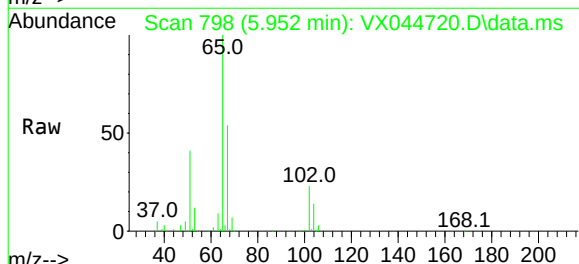
Acq: 27 Jan 2025 13:47

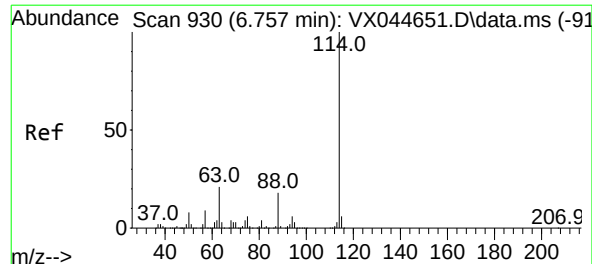
Tgt Ion: 65 Resp: 113117

Ion Ratio Lower Upper

65 100

67 54.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044720.D

Acq: 27 Jan 2025 13:47

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-140-142

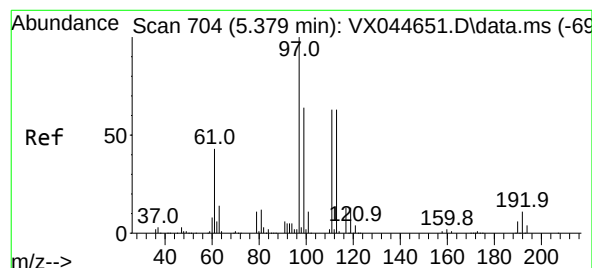
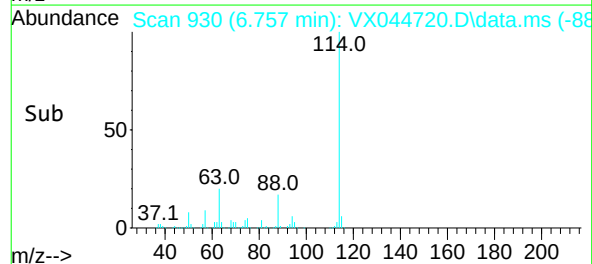
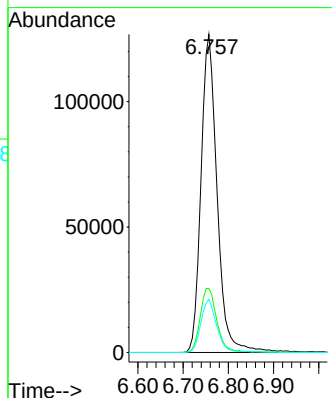
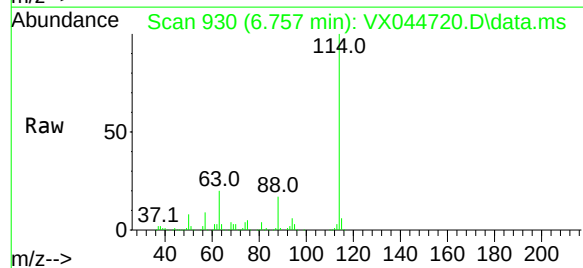
Tgt Ion:114 Resp: 313071

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.0

88 16.7 0.0 35.4



#35

Dibromofluoromethane

Concen: 51.239 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044720.D

Acq: 27 Jan 2025 13:47

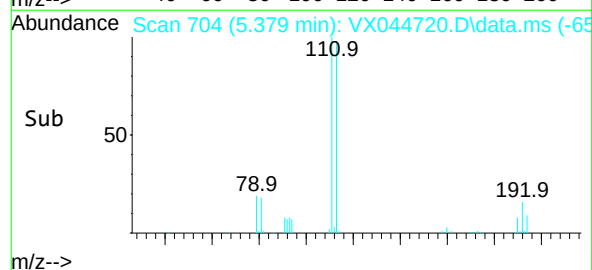
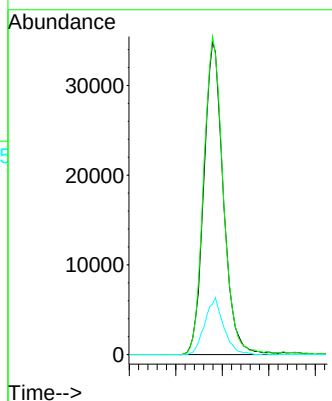
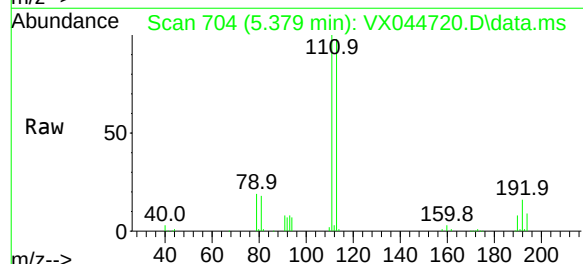
Tgt Ion:113 Resp: 101908

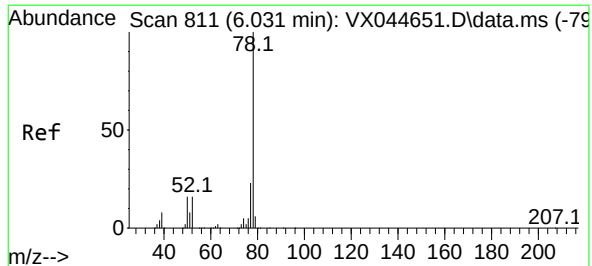
Ion Ratio Lower Upper

113 100

111 101.9 81.6 122.4

192 17.5 14.4 21.6





#40

Benzene

Concen: 6.474 ug/l

RT: 6.038 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044720.D

Acq: 27 Jan 2025 13:47

Instrument :

MSVOA_X

ClientSampleId :

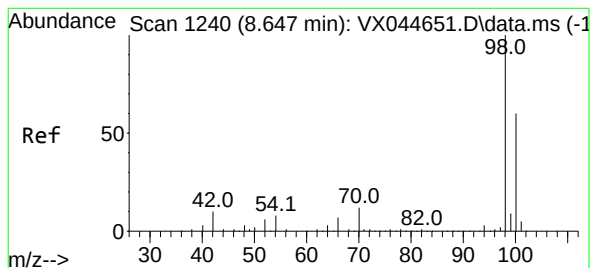
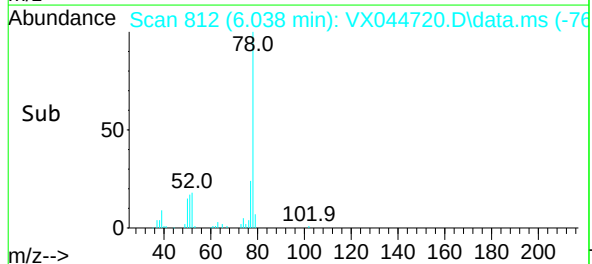
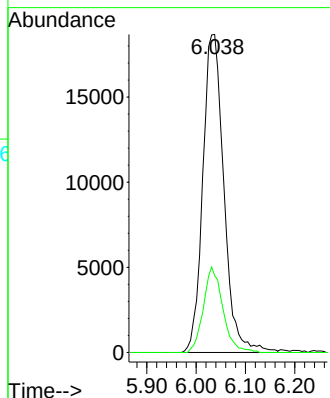
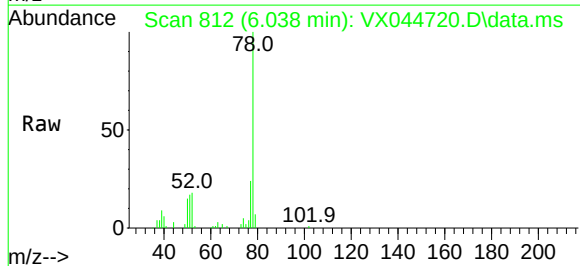
BP-VPB-192-GW-140-142

Tgt Ion: 78 Resp: 55540

Ion Ratio Lower Upper

78 100

77 24.2 18.7 28.1



#50

Toluene-d8

Concen: 54.876 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044720.D

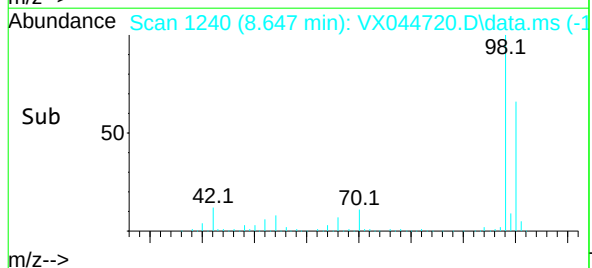
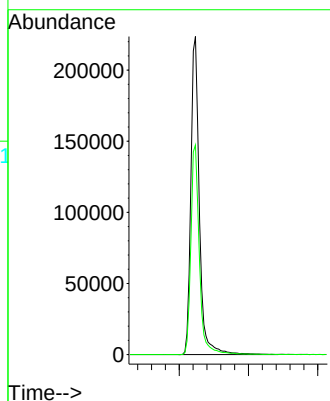
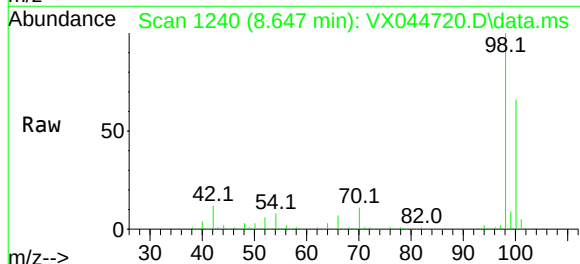
Acq: 27 Jan 2025 13:47

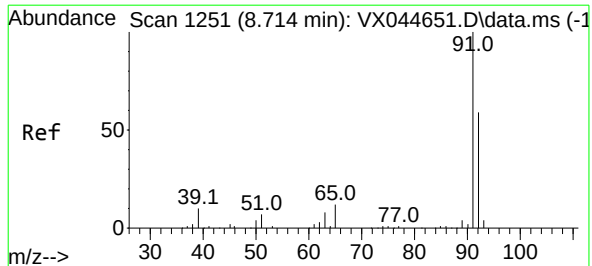
Tgt Ion: 98 Resp: 380557

Ion Ratio Lower Upper

98 100

100 65.9 53.2 79.8





#52

Toluene

Concen: 0.956 ug/l

RT: 8.720 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX044720.D

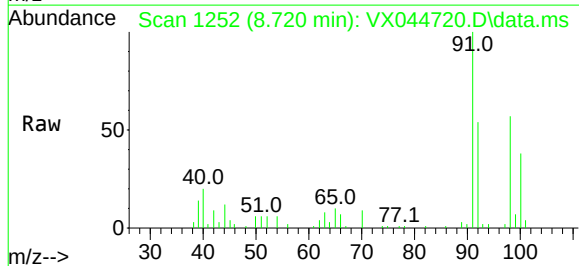
Acq: 27 Jan 2025 13:47

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-140-142

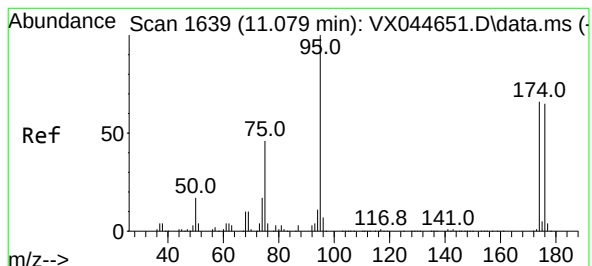
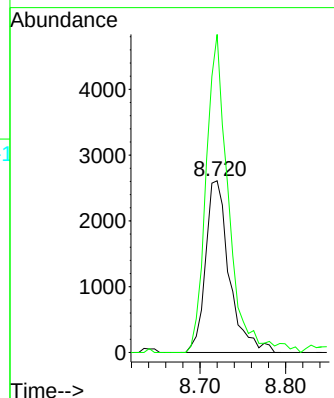
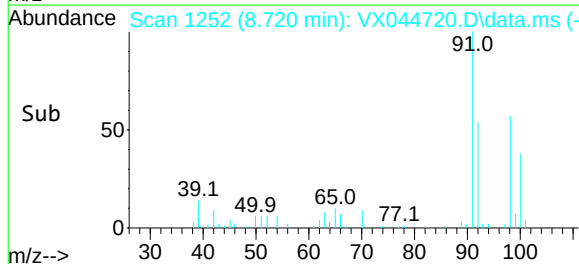


Tgt Ion: 92 Resp: 5022

Ion Ratio Lower Upper

92 100

91 175.6 135.7 203.5



#62

4-Bromofluorobenzene

Concen: 50.881 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044720.D

Acq: 27 Jan 2025 13:47

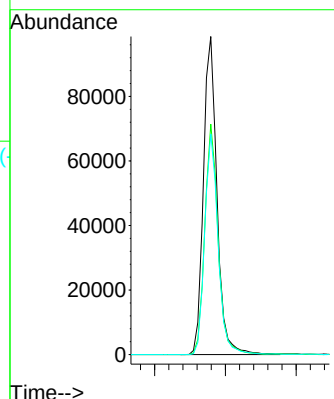
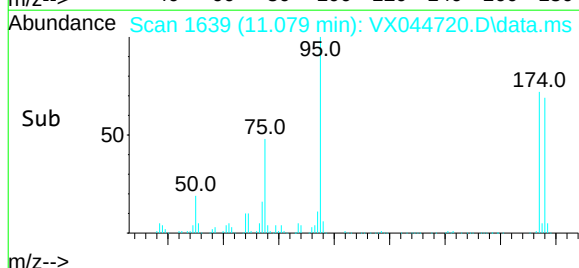
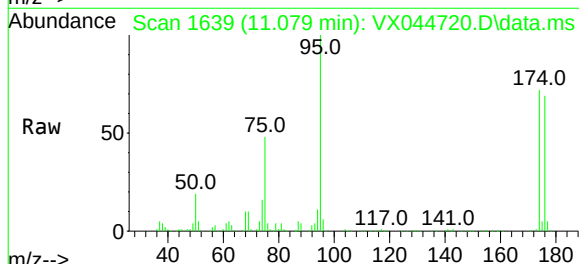
Tgt Ion: 95 Resp: 131541

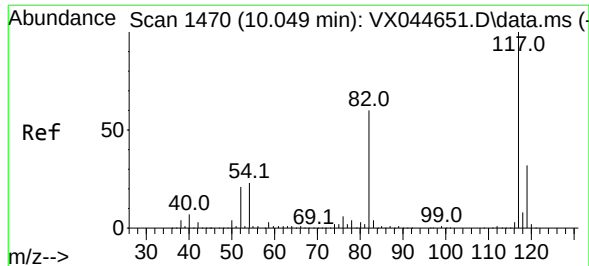
Ion Ratio Lower Upper

95 100

174 71.0 0.0 133.0

176 68.5 0.0 129.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044720.D

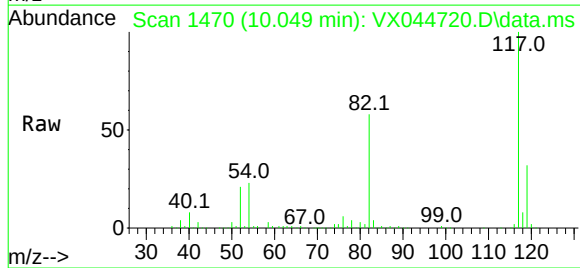
Acq: 27 Jan 2025 13:47

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-140-142



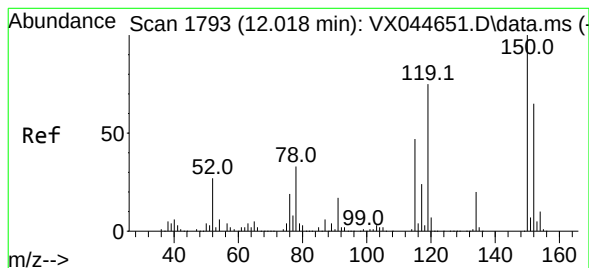
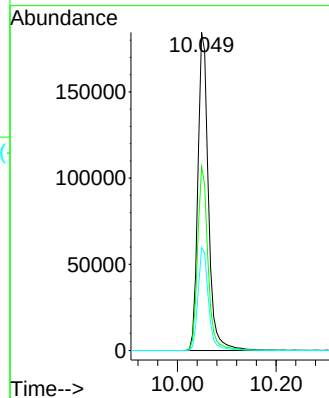
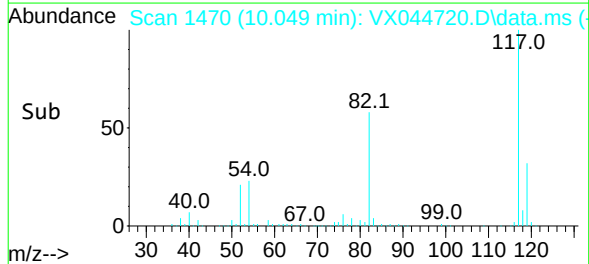
Tgt Ion:117 Resp: 272691

Ion Ratio Lower Upper

117 100

82 57.8 47.6 71.4

119 32.3 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044720.D

Acq: 27 Jan 2025 13:47

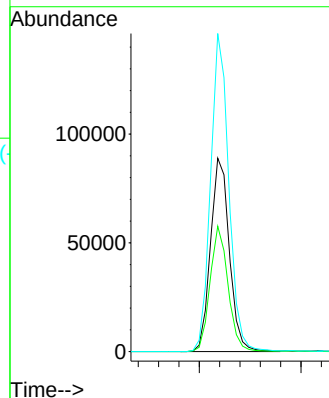
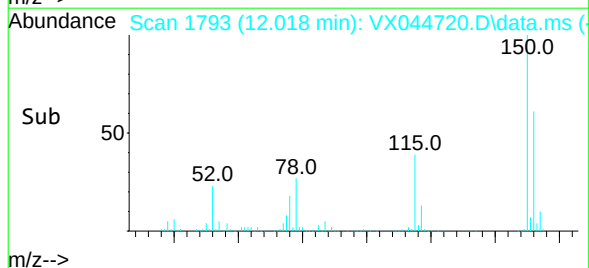
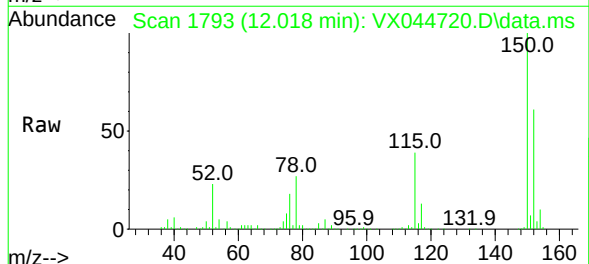
Tgt Ion:152 Resp: 114579

Ion Ratio Lower Upper

152 100

115 61.9 43.8 131.4

150 159.4 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044720.D
 Acq On : 27 Jan 2025 13:47
 Operator : JC/MD
 Sample : Q1173-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-140-142

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\82X011525W.M
 Title : SW846 8260

Signal : TIC: VX044720.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	19	rBV3	7475	12191	1.24%	0.221%
2	1.240	19	25	40	rBV	45611	73527	7.48%	1.331%
3	1.447	56	59	63	rBV	13845	16928	1.72%	0.306%
4	1.605	72	85	87	rBV8	5631	20437	2.08%	0.370%
5	2.380	208	212	220	rVB	6237	11471	1.17%	0.208%
6	5.379	692	704	721	rBV2	112037	330001	33.57%	5.973%
7	5.544	721	731	748	rBV	157346	467818	47.59%	8.468%
8	5.952	788	798	806	rBV	121983	329506	33.52%	5.964%
9	6.031	806	811	828	rVB	42096	120132	12.22%	2.174%
10	6.757	921	930	953	rBV	289776	726725	73.93%	13.154%
11	7.598	1063	1068	1081	rBV5	2977	10285	1.05%	0.186%
12	8.647	1233	1240	1249	rBV	582652	983023	100.00%	17.793%
13	8.714	1249	1251	1269	rVB	19429	42374	4.31%	0.767%
14	9.525	1379	1384	1393	rBV	33547	60224	6.13%	1.090%
15	10.049	1465	1470	1491	rBV	574836	839754	85.43%	15.200%
16	10.860	1599	1603	1611	rBV3	8511	13207	1.34%	0.239%
17	11.079	1634	1639	1656	rBV	455028	605497	61.60%	10.960%
18	11.933	1773	1779	1788	rBV2	18570	29376	2.99%	0.532%
19	12.018	1788	1793	1806	rVV	572627	717818	73.02%	12.993%
20	12.853	1925	1930	1940	rBV2	54347	73701	7.50%	1.334%
21	13.774	2077	2081	2088	rBV	30491	40691	4.14%	0.737%

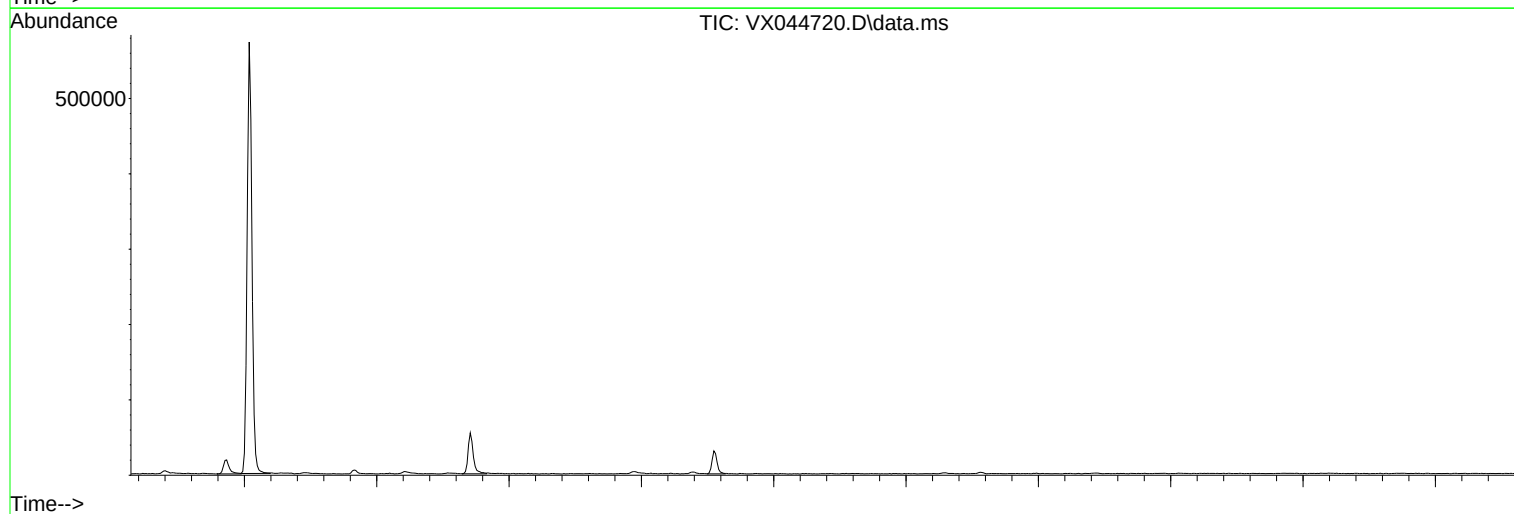
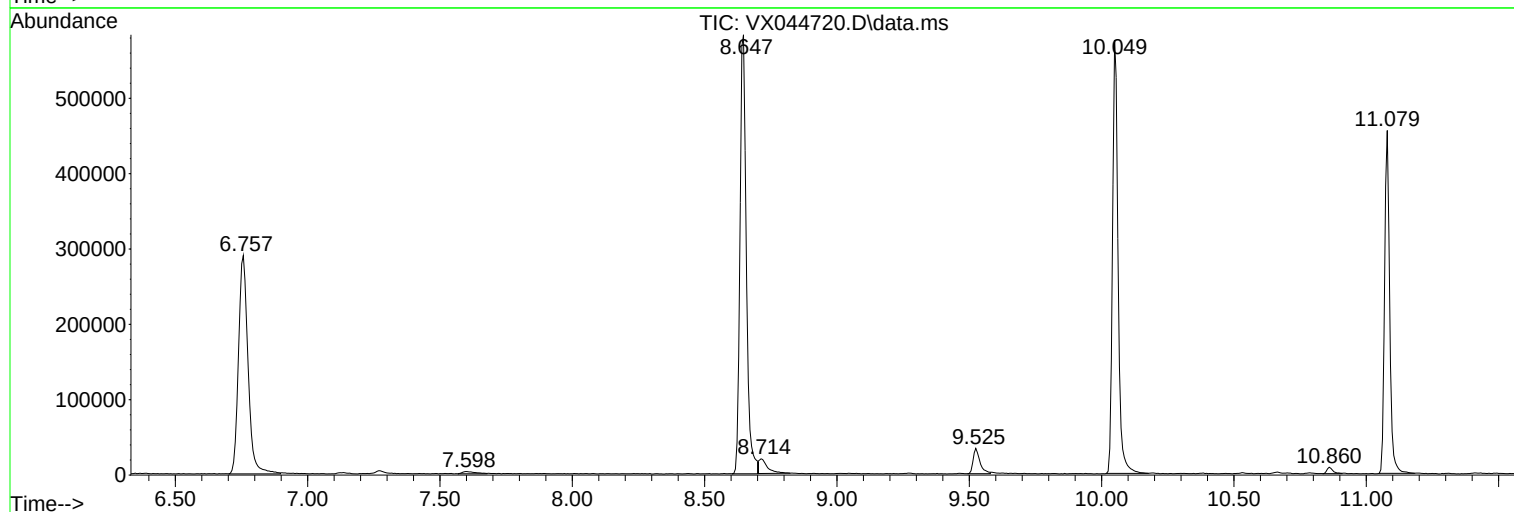
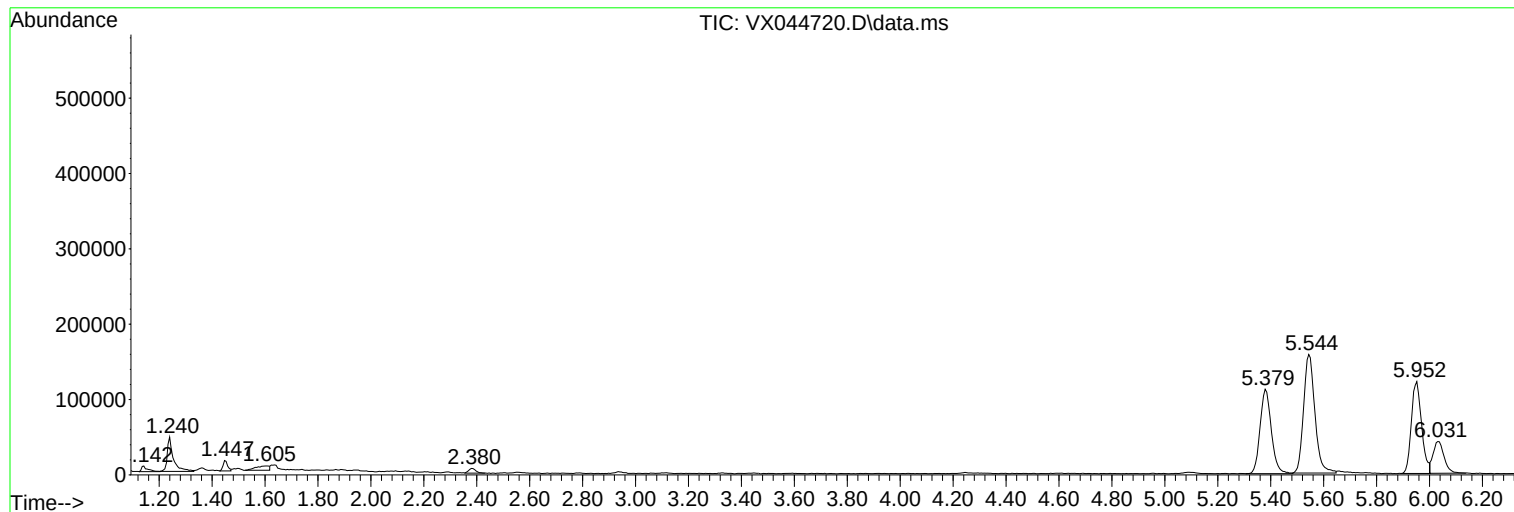
Sum of corrected areas: 5524686

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044720.D
Acq On : 27 Jan 2025 13:47
Operator : JC/MD
Sample : Q1173-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-140-142

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044720.D
Acq On : 27 Jan 2025 13:47
Operator : JC/MD
Sample : Q1173-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-140-142

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.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\VX012725\
Data File : VX044720.D
Acq On : 27 Jan 2025 13:47
Operator : JC/MD
Sample : Q1173-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-140-142

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.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:	01/22/25	
Project:	CTO WE13			Date Received:	01/23/25	
Client Sample ID:	BP-VPB-192-GW-200-202			SDG No.:	Q1173	
Lab Sample ID:	Q1173-05			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
VX044721.D	1		01/27/25 14:09	VX012725

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	UQ	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	7.10		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	0.68	J	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	1.80		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:	01/22/25	
Project:	CTO WE13		Date Received:	01/23/25	
Client Sample ID:	BP-VPB-192-GW-200-202		SDG No.:	Q1173	
Lab Sample ID:	Q1173-05		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
VX044721.D	1		01/27/25 14:09	VX012725

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	47.8		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	54.5		89 - 112		109%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	144000	5.544				
540-36-3	1,4-Difluorobenzene	289000	6.757				
3114-55-4	Chlorobenzene-d5	258000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	113000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	01/22/25	
Project:	CTO WE13		Date Received:	01/23/25	
Client Sample ID:	BP-VPB-192-GW-200-202		SDG No.:	Q1173	
Lab Sample ID:	Q1173-05		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
VX044721.D	1		01/27/25 14:09	VX012725

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\VX012725\
 Data File : VX044721.D
 Acq On : 27 Jan 2025 14:09
 Operator : JC/MD
 Sample : Q1173-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-200-202

Quant Time: Jan 28 04:12:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

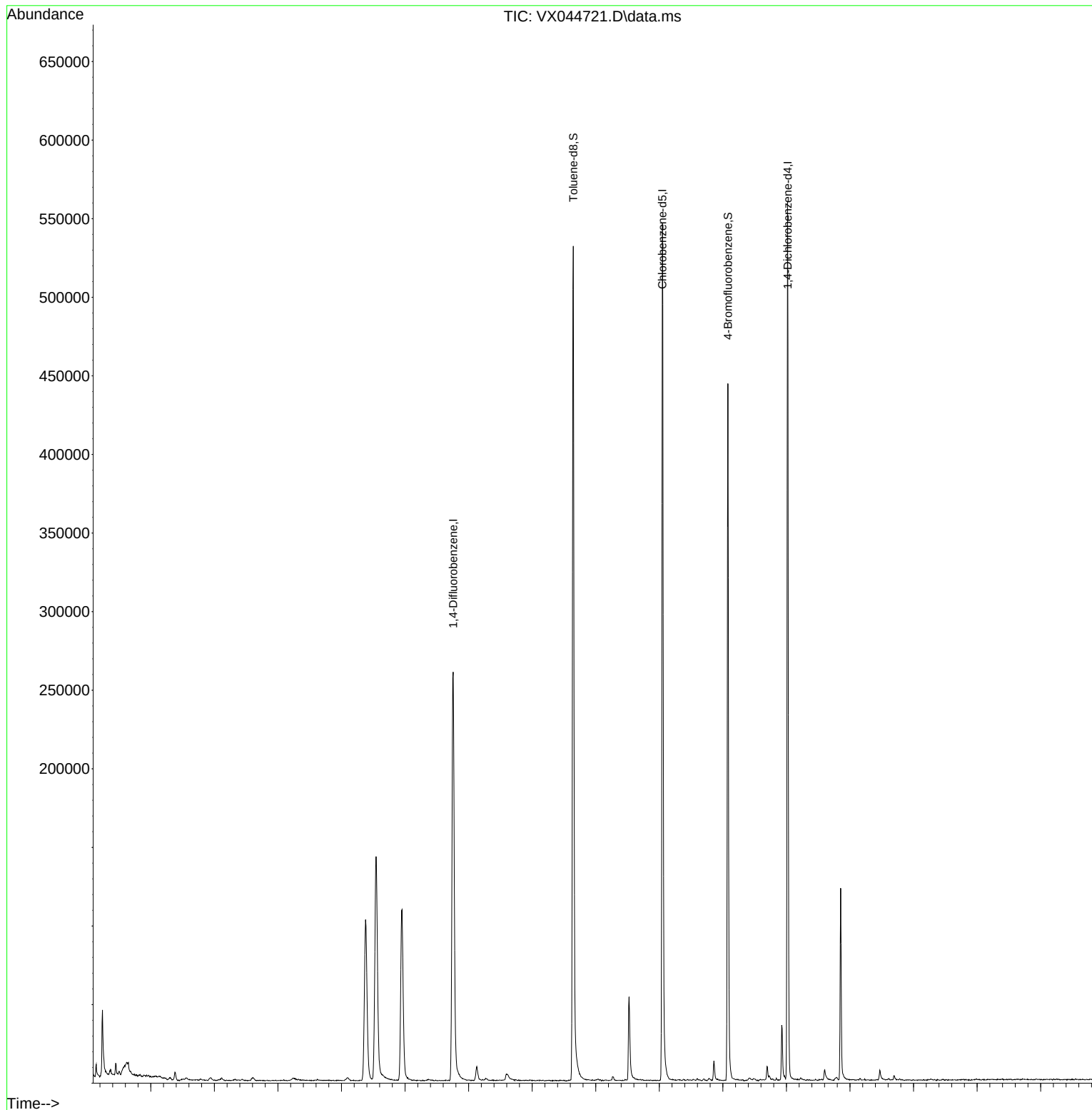
Internal Standards						
1) Pentafluorobenzene	5.544	168	143949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	289107	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	257515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	112964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	103939	47.836	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.680%		
35) Dibromofluoromethane	5.379	113	93332	50.816	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.640%		
50) Toluene-d8	8.647	98	348739	54.456	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	108.920%		
62) 4-Bromofluorobenzene	11.079	95	127861	53.558	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	107.120%		
Target Compounds						
16) Acetone	2.380	43	6091	7.085	ug/l	97
30) Chloroform	5.099	83	2310	0.677	ug/l	99
44) Trichloroethene	7.129	130	3350	1.759	ug/l	98

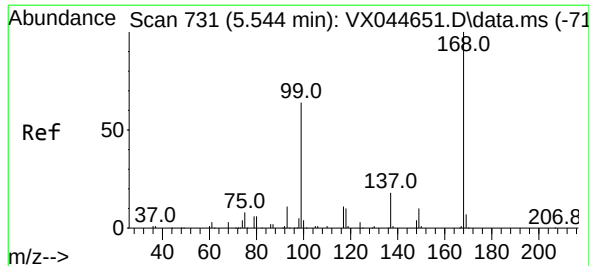
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044721.D
Acq On : 27 Jan 2025 14:09
Operator : JC/MD
Sample : Q1173-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-200-202

Quant Time: Jan 28 04:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

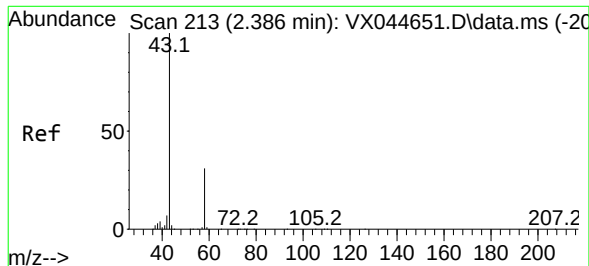
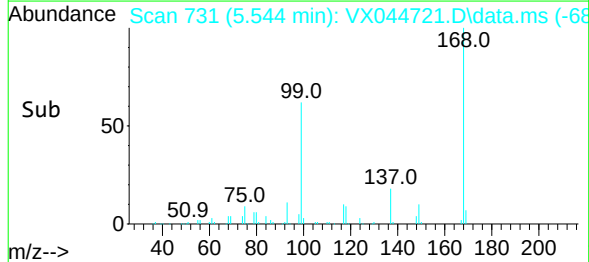
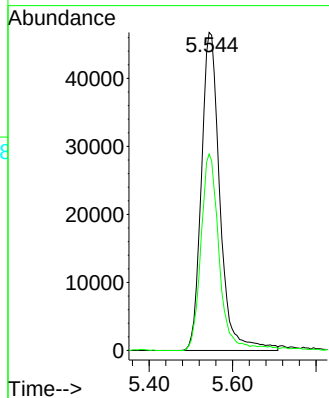
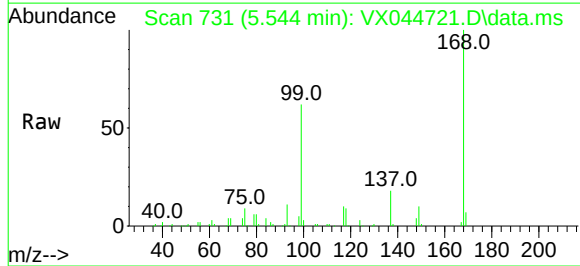




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

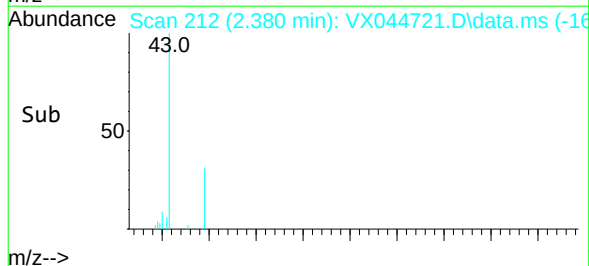
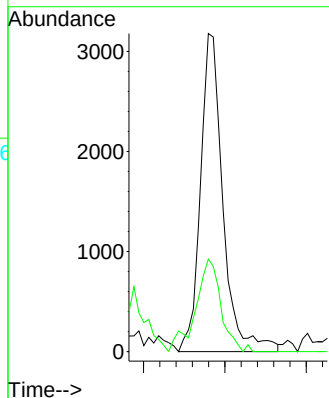
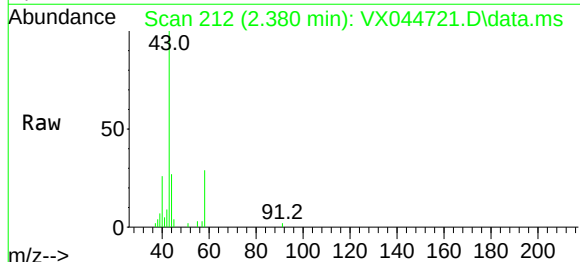
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-200-202

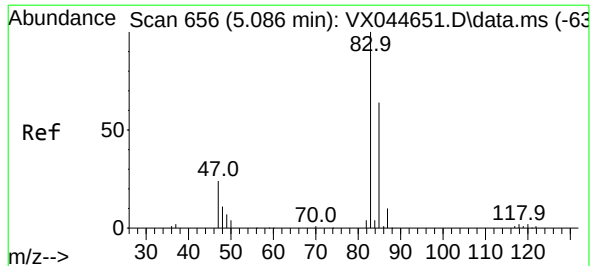
Tgt Ion: 168 Resp: 143949
Ion Ratio Lower Upper
168 100
99 61.8 51.1 76.7



#16
Acetone
Concen: 7.085 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Tgt Ion: 43 Resp: 6091
Ion Ratio Lower Upper
43 100
58 29.1 24.6 37.0





#30

Chloroform

Concen: 0.677 ug/l

RT: 5.099 min Scan# 65

Delta R.T. 0.012 min

Lab File: VX044721.D

Acq: 27 Jan 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

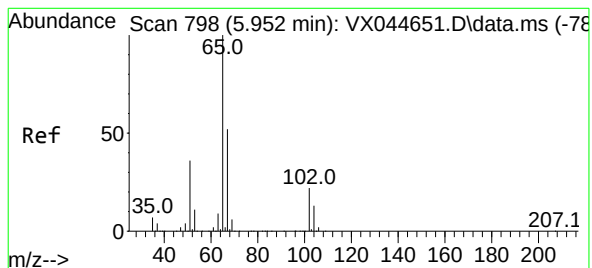
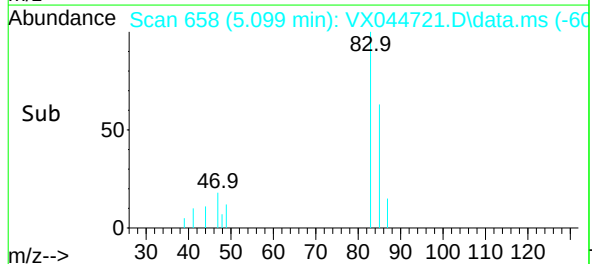
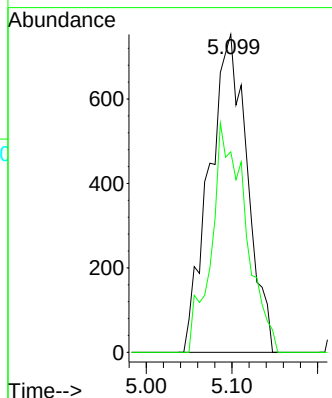
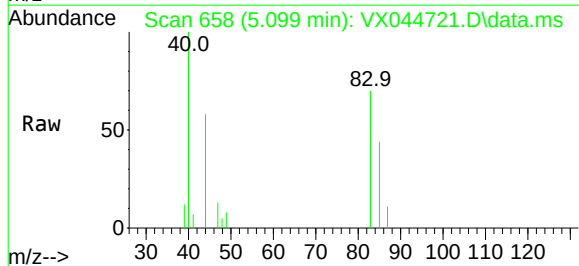
BP-VPB-192-GW-200-202

Tgt Ion: 83 Resp: 2310

Ion Ratio Lower Upper

83 100

85 63.1 51.2 76.8



#33

1,2-Dichloroethane-d4

Concen: 47.836 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX044721.D

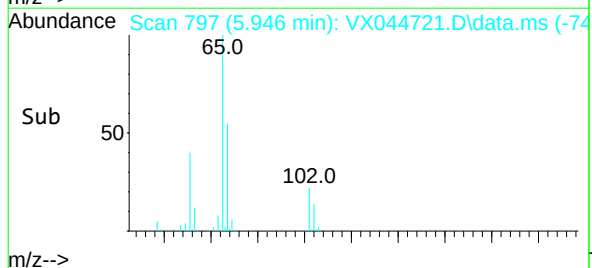
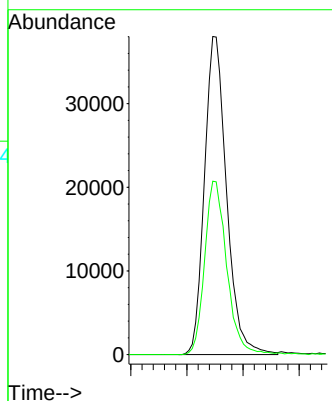
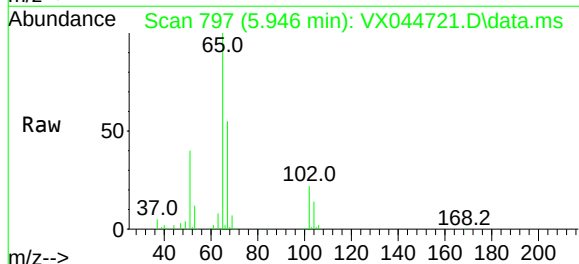
Acq: 27 Jan 2025 14:09

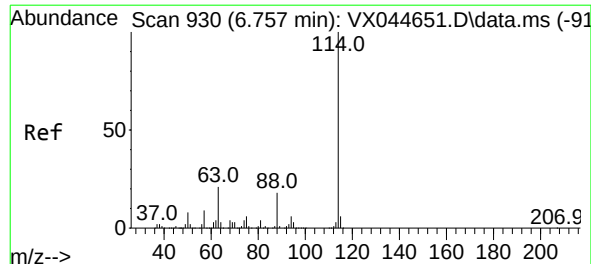
Tgt Ion: 65 Resp: 103939

Ion Ratio Lower Upper

65 100

67 54.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044721.D

Acq: 27 Jan 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-200-202

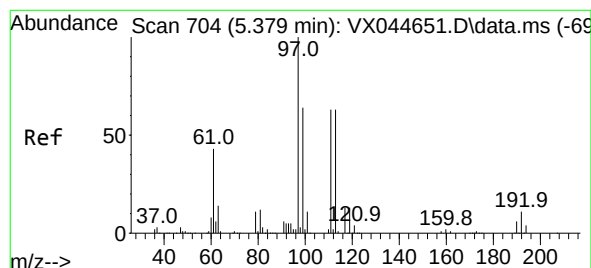
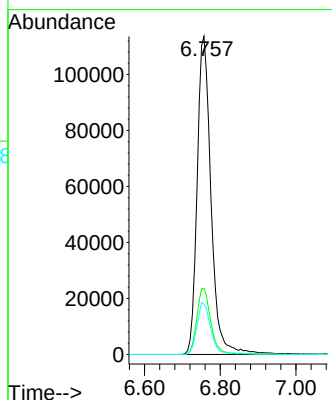
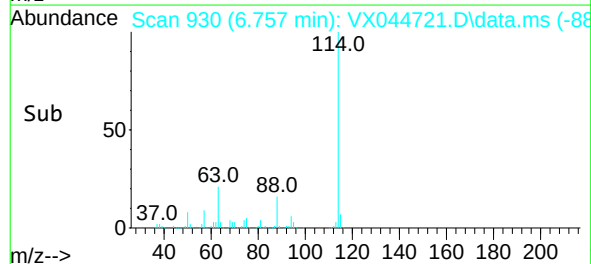
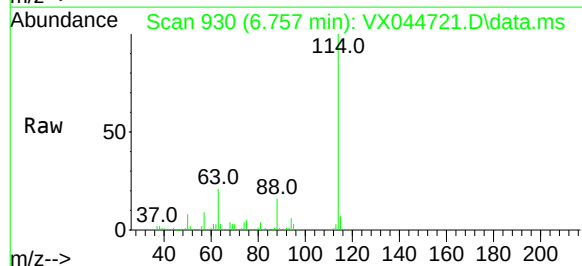
Tgt Ion:114 Resp: 289107

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.0

88 15.8 0.0 35.4



#35

Dibromofluoromethane

Concen: 50.816 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044721.D

Acq: 27 Jan 2025 14:09

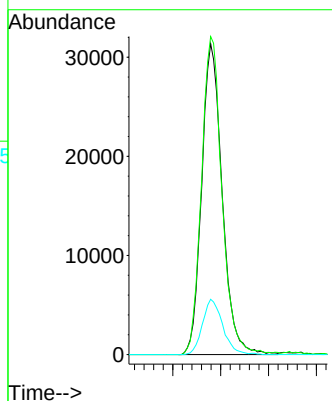
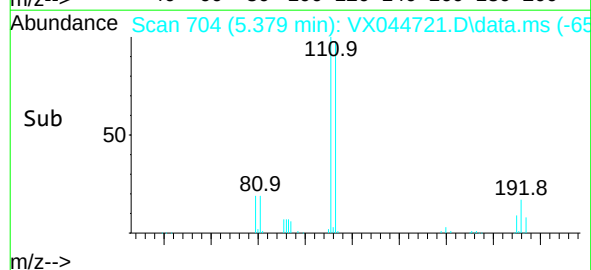
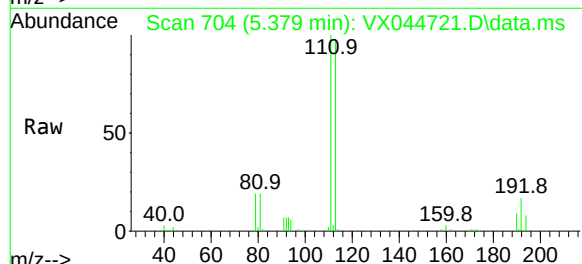
Tgt Ion:113 Resp: 93332

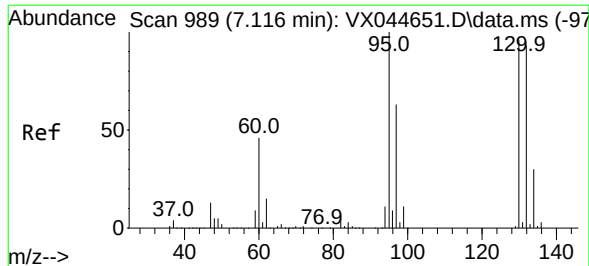
Ion Ratio Lower Upper

113 100

111 102.2 81.6 122.4

192 17.6 14.4 21.6





#44

Trichloroethene

Concen: 1.759 ug/l

RT: 7.129 min Scan# 99

Delta R.T. 0.012 min

Lab File: VX044721.D

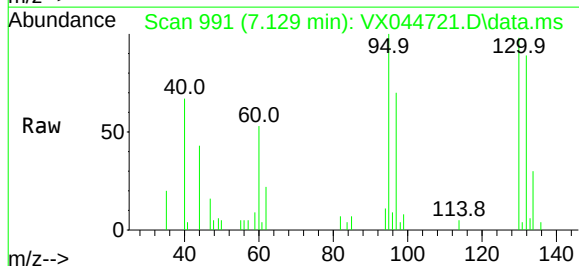
Acq: 27 Jan 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-200-202

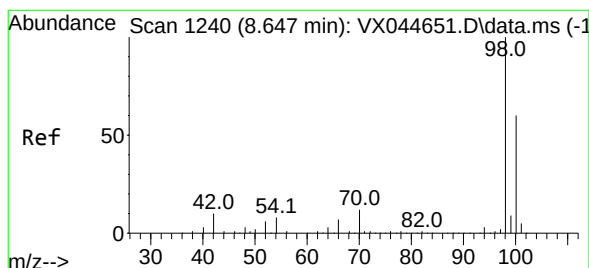
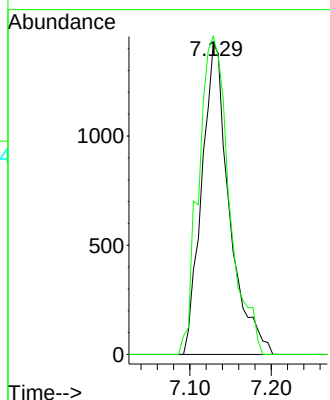
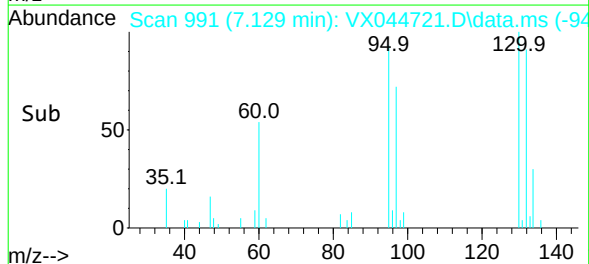


Tgt Ion:130 Resp: 3350

Ion Ratio Lower Upper

130 100

95 102.3 0.0 208.2



#50

Toluene-d8

Concen: 54.456 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044721.D

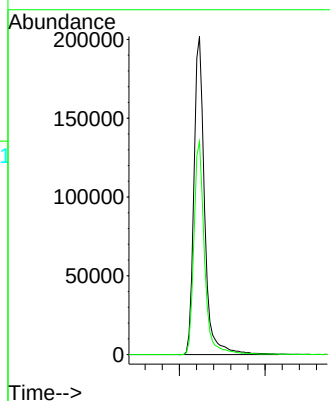
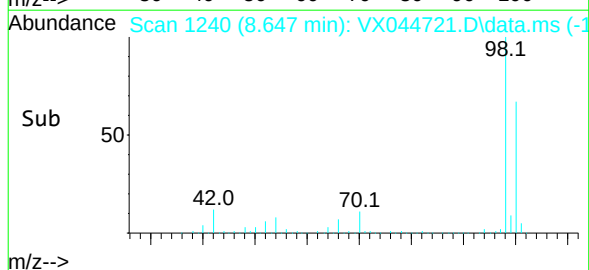
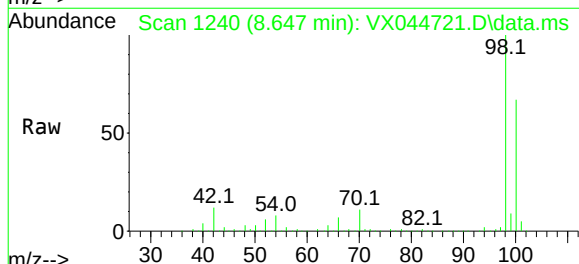
Acq: 27 Jan 2025 14:09

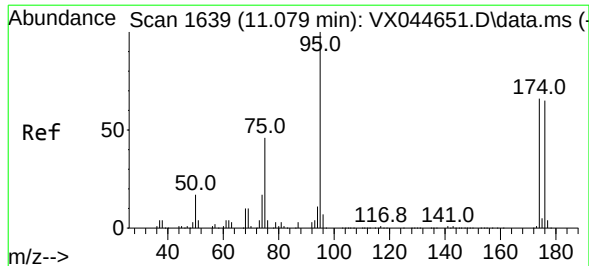
Tgt Ion: 98 Resp: 348739

Ion Ratio Lower Upper

98 100

100 66.4 53.2 79.8





#62

4-Bromofluorobenzene

Concen: 53.558 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044721.D

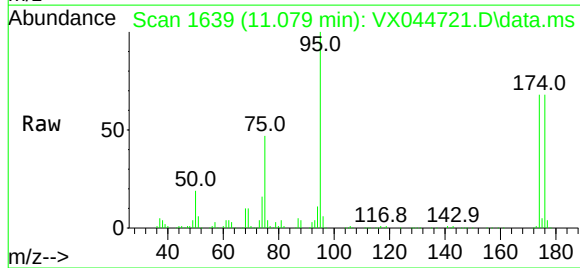
Acq: 27 Jan 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-200-202



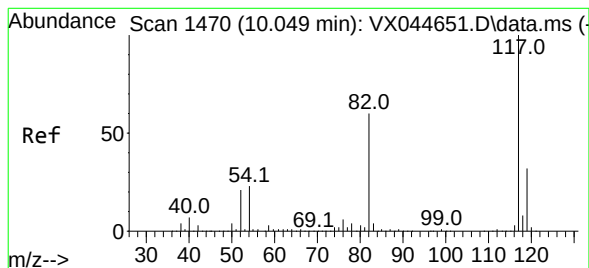
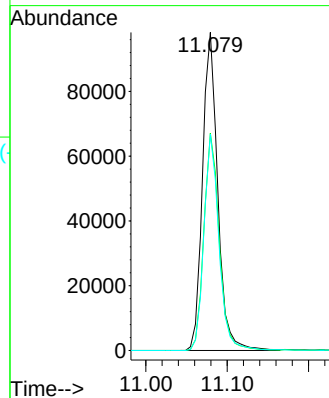
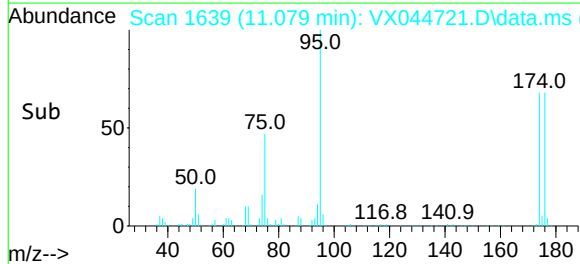
Tgt Ion: 95 Resp: 127861

Ion Ratio Lower Upper

95 100

174 68.9 0.0 133.0

176 67.1 0.0 129.4



#63

Chlorobenzene-d5

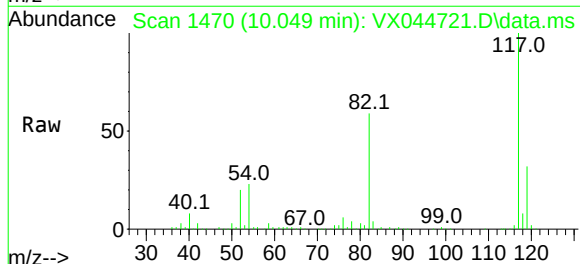
Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044721.D

Acq: 27 Jan 2025 14:09



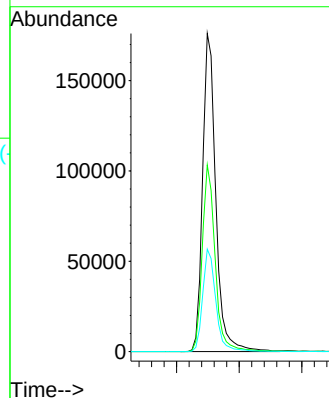
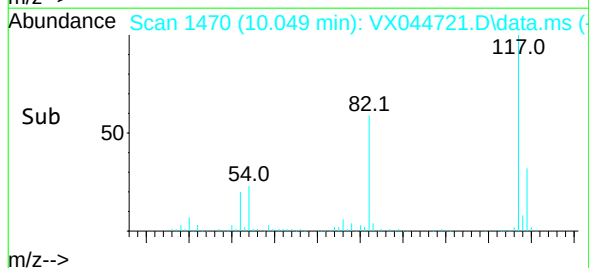
Tgt Ion: 117 Resp: 257515

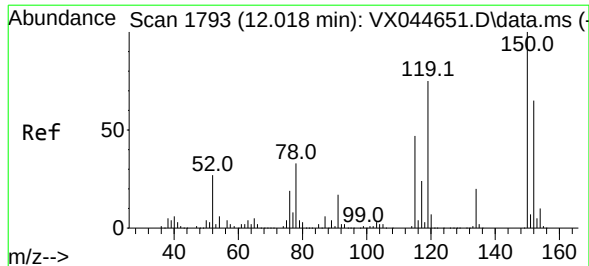
Ion Ratio Lower Upper

117 100

82 58.7 47.6 71.4

119 32.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 17

Delta R.T. 0.000 min

Lab File: VX044721.D

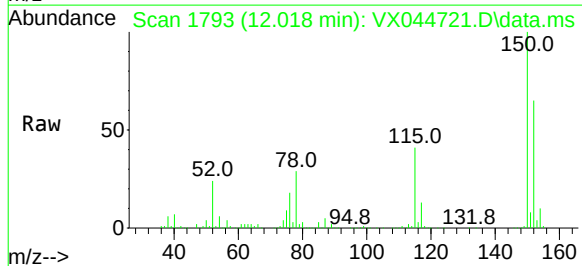
Acq: 27 Jan 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-200-202



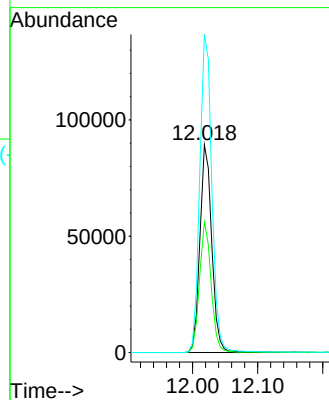
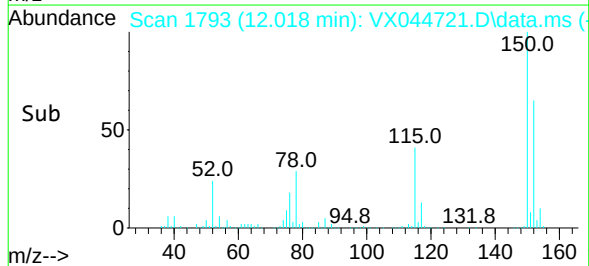
Tgt Ion:152 Resp: 112964

Ion Ratio Lower Upper

152 100

115 61.5 43.8 131.4

150 156.4 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044721.D
 Acq On : 27 Jan 2025 14:09
 Operator : JC/MD
 Sample : Q1173-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-200-202

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\82X011525W.M
 Title : SW846 8260

Signal : TIC: VX044721.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	18	rVB2	7993	10949	1.18%	0.212%
2	1.240	20	25	33	rBV	42015	63336	6.85%	1.229%
3	1.587	72	82	83	rBV5	5892	14892	1.61%	0.289%
4	2.380	206	212	219	rVB	5386	9797	1.06%	0.190%
5	5.379	694	704	718	rBV	102304	300786	32.52%	5.835%
6	5.544	721	731	747	rBV	141469	418354	45.23%	8.116%
7	5.952	788	798	812	rBV	108661	297441	32.16%	5.770%
8	6.757	920	930	954	rBV	260019	666356	72.05%	12.927%
9	7.129	984	991	997	rBV3	8796	19249	2.08%	0.373%
10	8.647	1233	1240	1267	rBV	530533	924903	100.00%	17.943%
11	9.525	1379	1384	1395	rBV	52994	94046	10.17%	1.824%
12	10.049	1465	1470	1493	rBV	544892	794836	85.94%	15.419%
13	10.860	1599	1603	1612	rBV2	12472	18743	2.03%	0.364%
14	11.079	1634	1639	1654	rBV	443263	582312	62.96%	11.297%
15	11.695	1736	1740	1744	rBV	8292	11855	1.28%	0.230%
16	11.927	1773	1778	1788	rBV2	34937	51096	5.52%	0.991%
17	12.018	1788	1793	1804	rVV	558468	699925	75.68%	13.578%
18	12.603	1884	1889	1897	rBV4	6514	12994	1.40%	0.252%
19	12.853	1925	1930	1946	rBV	121899	151742	16.41%	2.944%
20	13.469	2027	2031	2041	rBV3	6216	11160	1.21%	0.216%

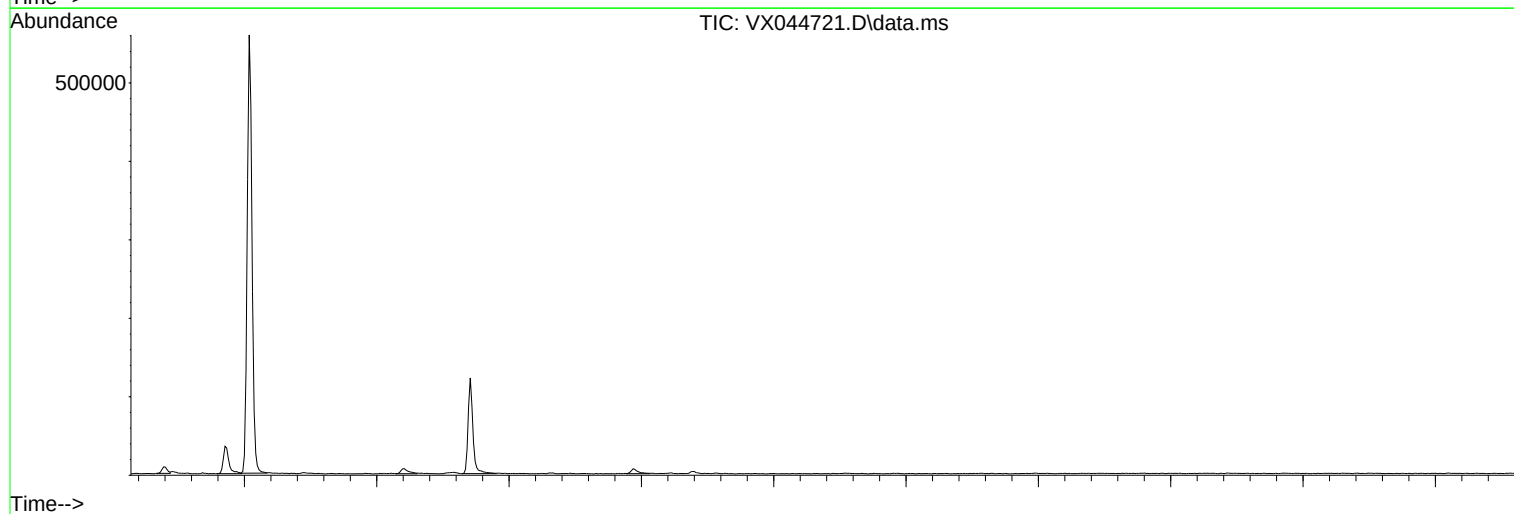
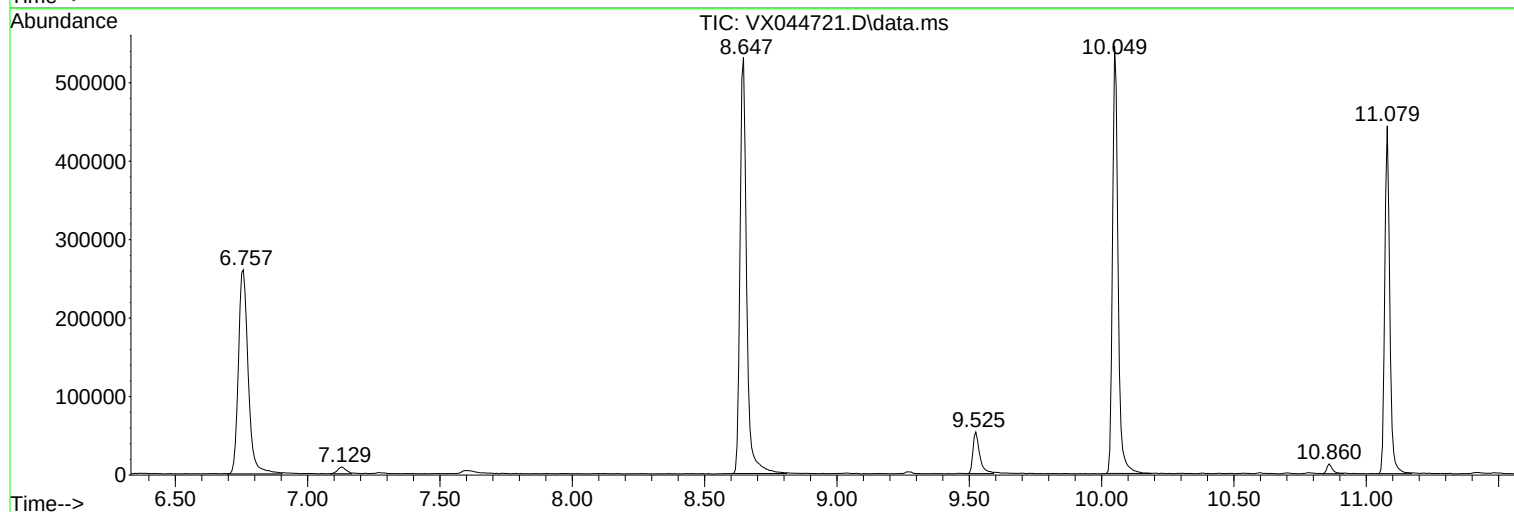
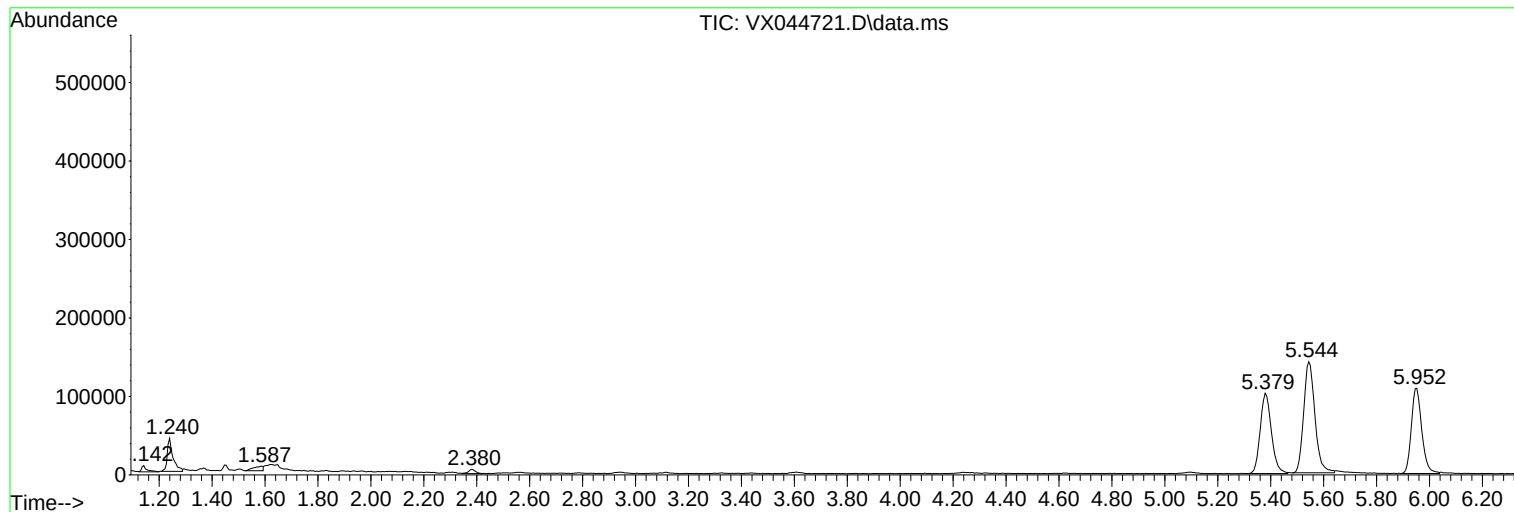
Sum of corrected areas: 5154772

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044721.D
Acq On : 27 Jan 2025 14:09
Operator : JC/MD
Sample : Q1173-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-200-202

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044721.D
Acq On : 27 Jan 2025 14:09
Operator : JC/MD
Sample : Q1173-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-200-202

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.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\VX012725\
Data File : VX044721.D
Acq On : 27 Jan 2025 14:09
Operator : JC/MD
Sample : Q1173-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-200-202

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.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:	01/22/25		
Project:	CTO WE13			Date Received:	01/23/25		
Client Sample ID:	VPB-192-HYD-20250122			SDG No.:	Q1173		
Lab Sample ID:	Q1173-06			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
VX044716.D	1		01/27/25 12:15	VX012725

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	UQ	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	1.60	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:	01/22/25	
Project:	CTO WE13		Date Received:	01/23/25	
Client Sample ID:	VPB-192-HYD-20250122		SDG No.:	Q1173	
Lab Sample ID:	Q1173-06		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
VX044716.D	1		01/27/25 12:15	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	1.30		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	49.6		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	54.4		89 - 112		109%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	5.543				
540-36-3	1,4-Difluorobenzene	296000	6.757				
3114-55-4	Chlorobenzene-d5	265000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	114000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	01/22/25	
Project:	CTO WE13			Date Received:	01/23/25	
Client Sample ID:	VPB-192-HYD-20250122			SDG No.:	Q1173	
Lab Sample ID:	Q1173-06			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
VX044716.D	1		01/27/25 12:15	VX012725

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\VX012725\
 Data File : VX044716.D
 Acq On : 27 Jan 2025 12:15
 Operator : JC/MD
 Sample : Q1173-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VPB-192-HYD-20250122

Quant Time: Jan 28 04:10:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

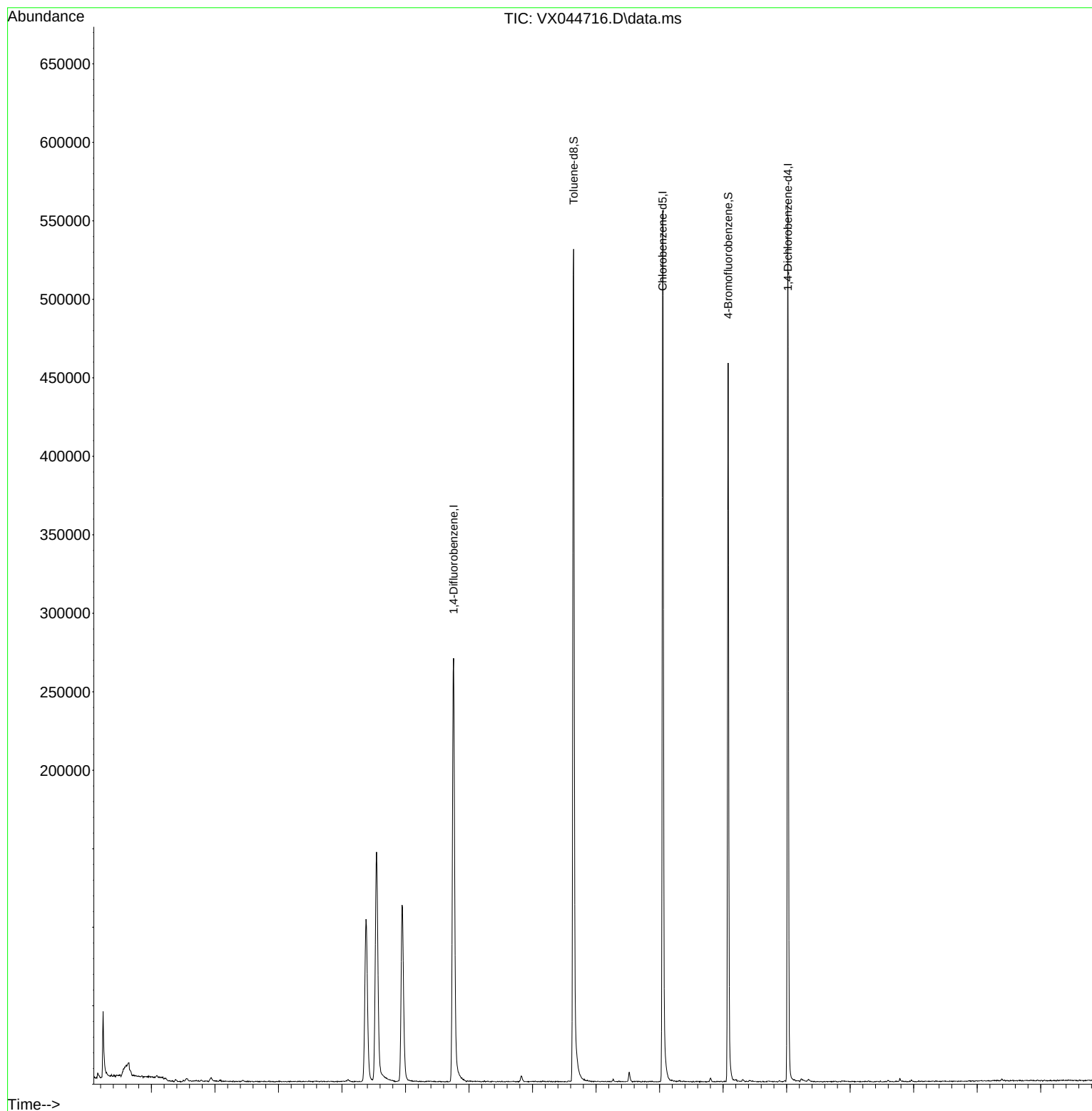
Internal Standards						
1) Pentafluorobenzene	5.543	168	142665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	295520	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	265204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114051	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	106747	49.571	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.140%		
35) Dibromofluoromethane	5.379	113	93503	49.805	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.600%		
50) Toluene-d8	8.646	98	355777	54.350	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	108.700%		
62) 4-Bromofluorobenzene	11.079	95	130840	53.616	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	107.240%		
Target Compounds						
16) Acetone	2.379	43	1328	1.559	ug/l	98
60) Dibromochloromethane	9.524	129	2974	1.264	ug/l	98

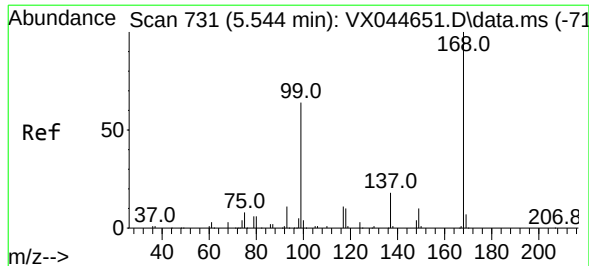
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044716.D
Acq On : 27 Jan 2025 12:15
Operator : JC/MD
Sample : Q1173-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250122

Quant Time: Jan 28 04:10:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

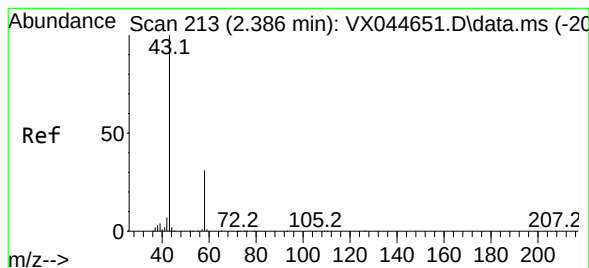
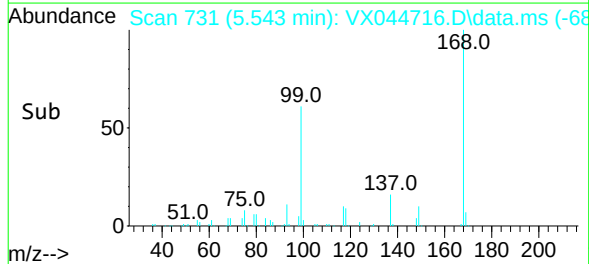
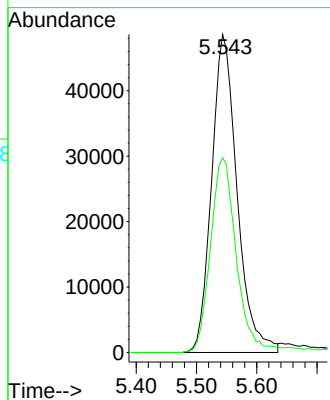
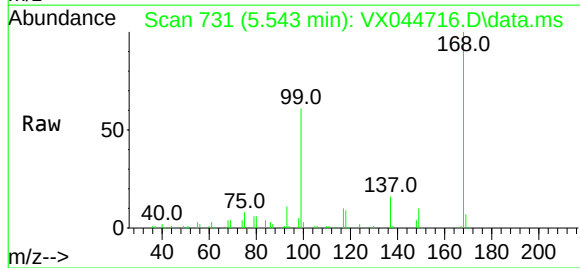




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.001 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

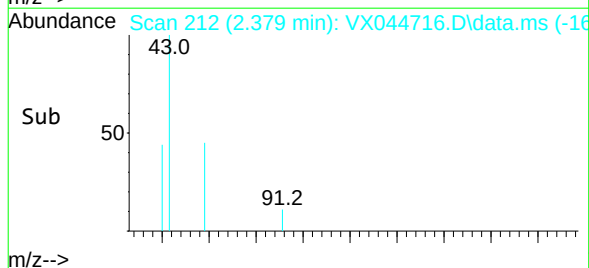
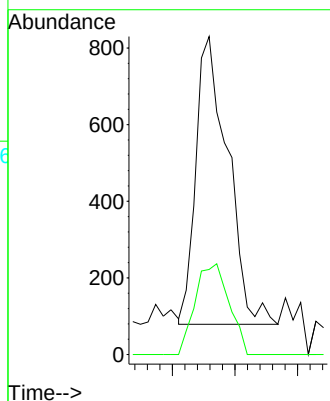
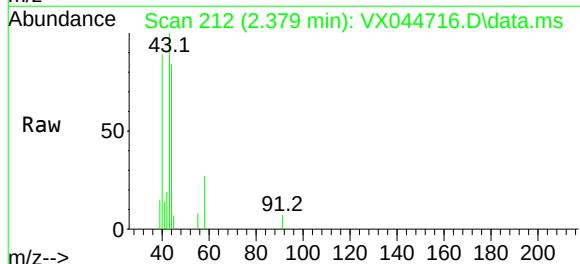
Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250122

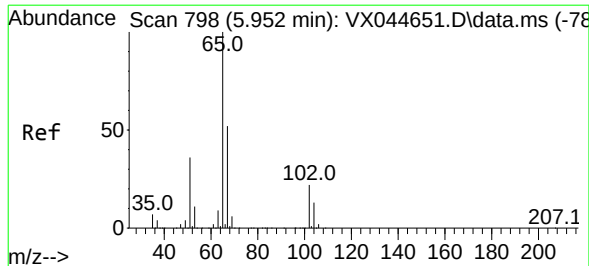
Tgt Ion: 168 Resp: 142665
Ion Ratio Lower Upper
168 100
99 61.2 51.1 76.7



#16
Acetone
Concen: 1.559 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Tgt Ion: 43 Resp: 1328
Ion Ratio Lower Upper
43 100
58 29.6 24.6 37.0





#33

1,2-Dichloroethane-d4

Concen: 49.571 ug/l

RT: 5.946 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX044716.D

Acq: 27 Jan 2025 12:15

Instrument :

MSVOA_X

ClientSampleId :

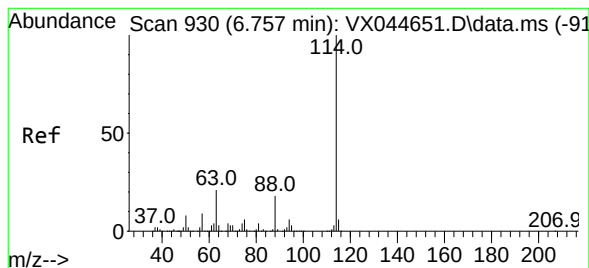
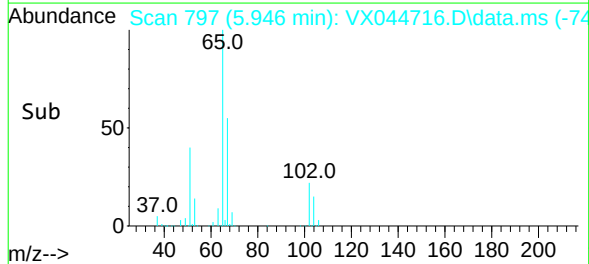
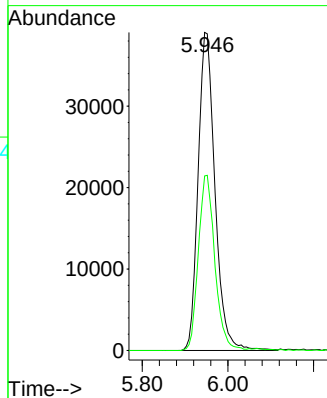
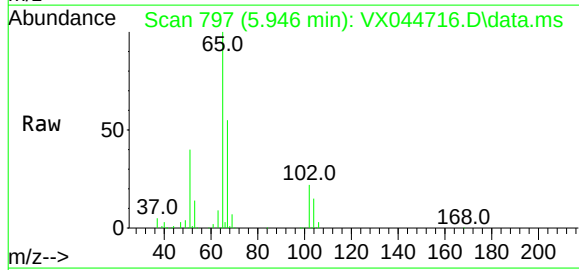
VPB-192-HYD-20250122

Tgt Ion: 65 Resp: 106747

Ion Ratio Lower Upper

65 100

67 53.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044716.D

Acq: 27 Jan 2025 12:15

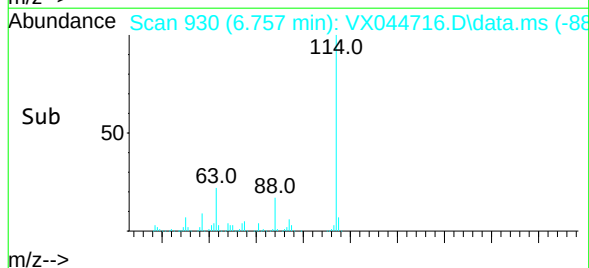
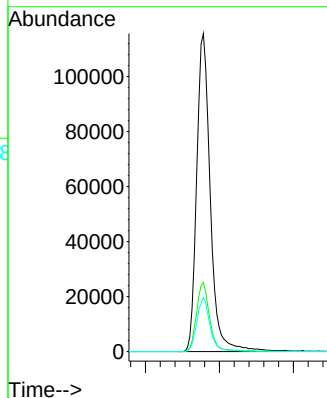
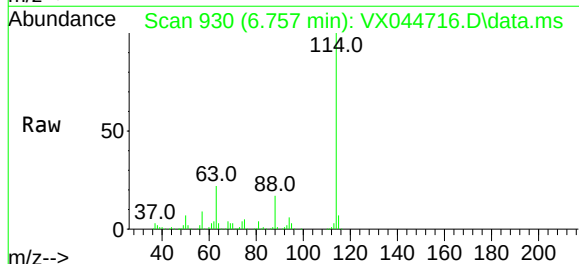
Tgt Ion: 114 Resp: 295520

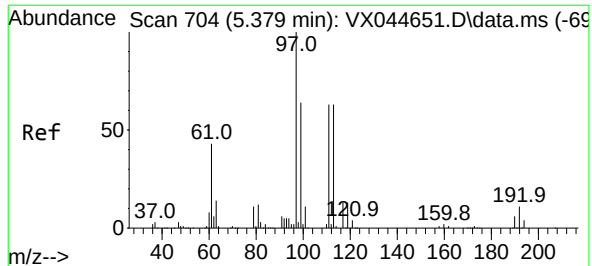
Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.0

88 17.1 0.0 35.4





#35

Dibromofluoromethane

Concen: 49.805 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044716.D

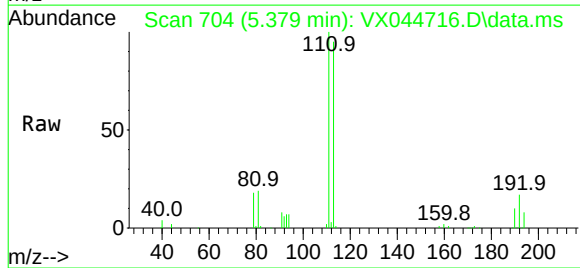
Acq: 27 Jan 2025 12:15

Instrument :

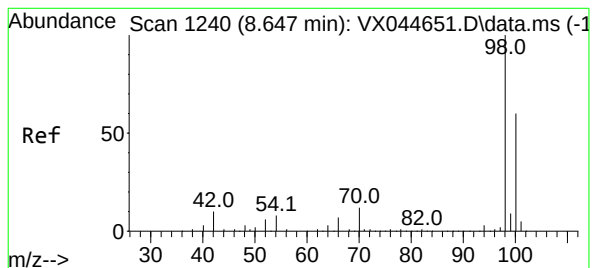
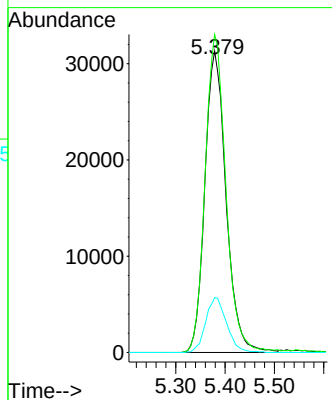
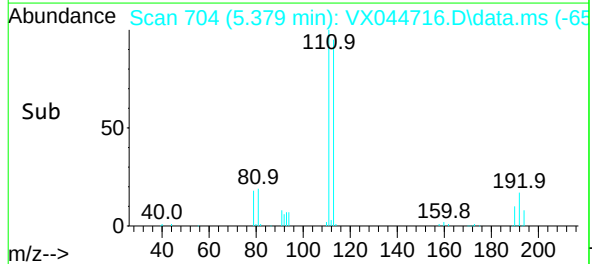
MSVOA_X

ClientSampleId :

VPB-192-HYD-20250122



Tgt Ion:	113	Resp:	93503
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.6	122.4
192	18.0	14.4	21.6



#50

Toluene-d8

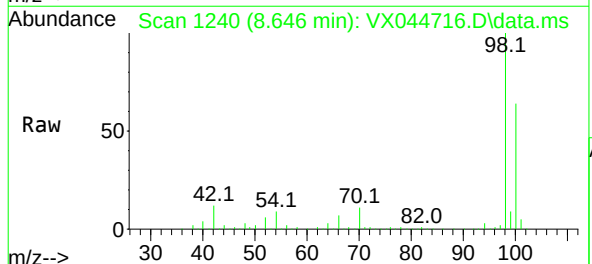
Concen: 54.350 ug/l

RT: 8.646 min Scan# 1240

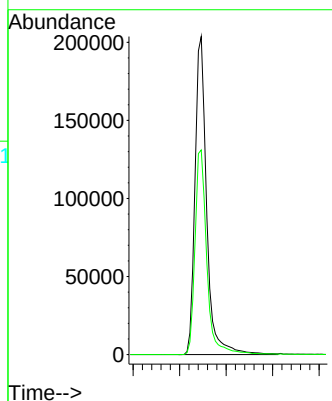
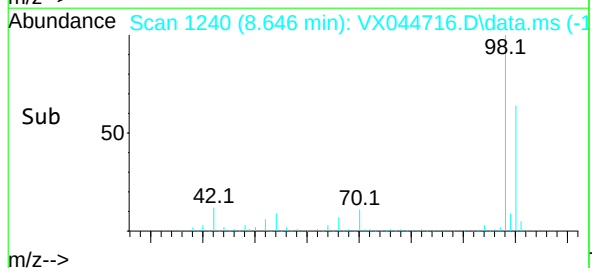
Delta R.T. -0.000 min

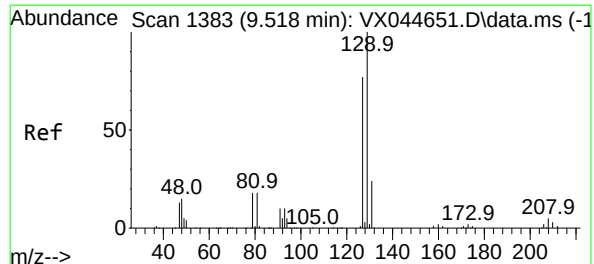
Lab File: VX044716.D

Acq: 27 Jan 2025 12:15



Tgt Ion:	98	Resp:	355777
Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.2	79.8





#60

Dibromochloromethane

Concen: 1.264 ug/l

RT: 9.524 min Scan# 13

Delta R.T. 0.006 min

Lab File: VX044716.D

Acq: 27 Jan 2025 12:15

Instrument :

MSVOA_X

ClientSampleId :

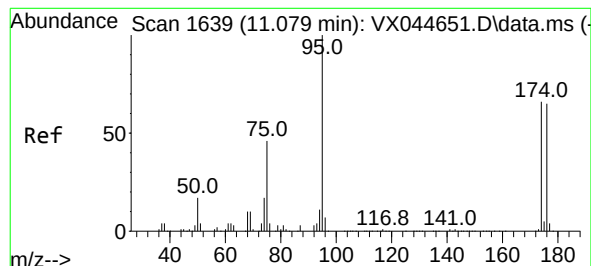
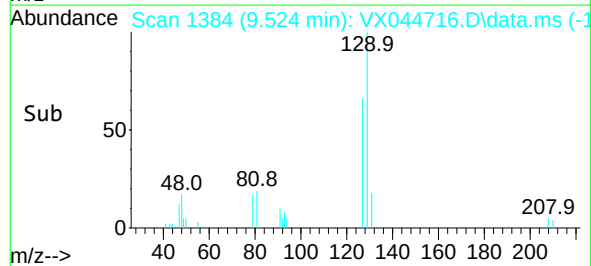
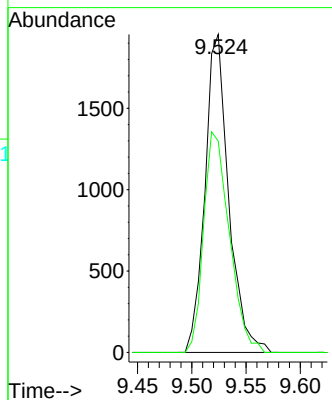
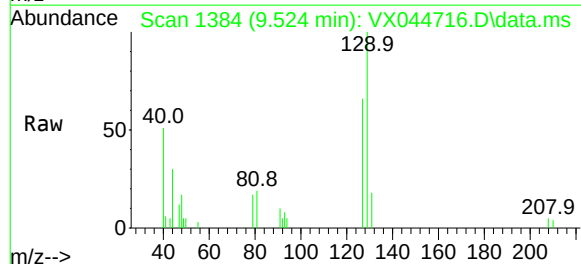
VPB-192-HYD-20250122

Tgt Ion:129 Resp: 2974

Ion Ratio Lower Upper

129 100

127 75.2 38.5 115.5



#62

4-Bromofluorobenzene

Concen: 53.616 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044716.D

Acq: 27 Jan 2025 12:15

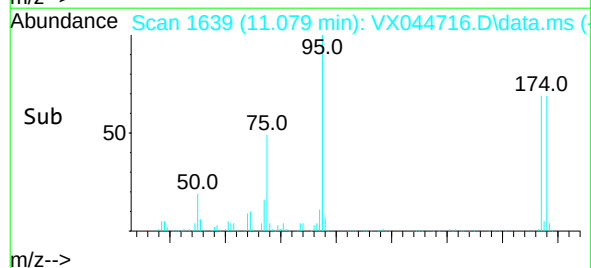
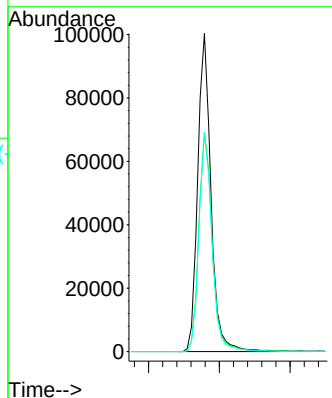
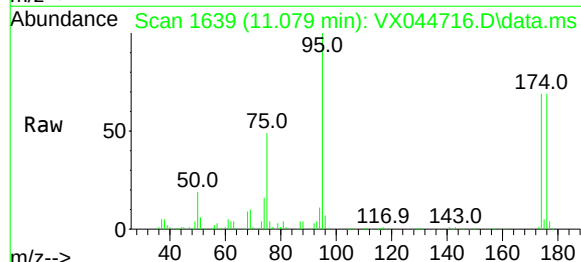
Tgt Ion: 95 Resp: 130840

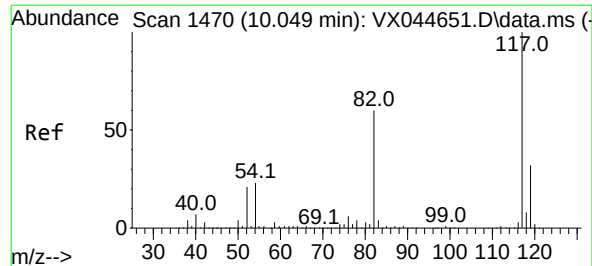
Ion Ratio Lower Upper

95 100

174 70.1 0.0 133.0

176 68.3 0.0 129.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX044716.D

Acq: 27 Jan 2025 12:15

Instrument :

MSVOA_X

ClientSampleId :

VPB-192-HYD-20250122

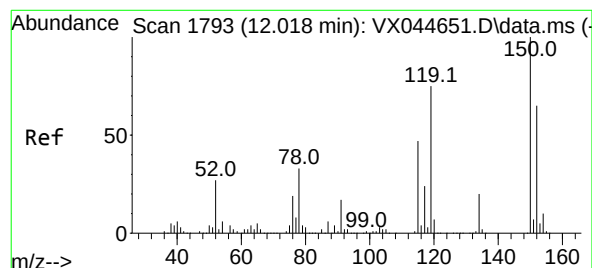
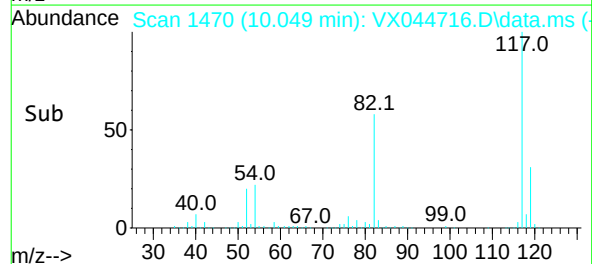
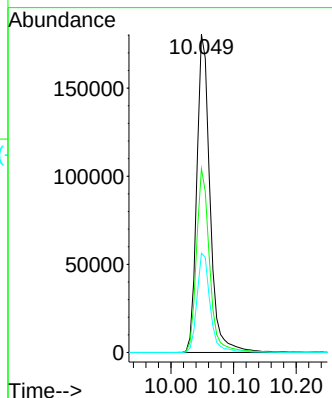
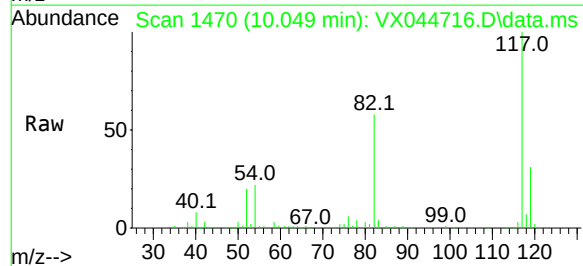
Tgt Ion:117 Resp: 265204

Ion Ratio Lower Upper

117 100

82 57.7 47.6 71.4

119 31.2 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX044716.D

Acq: 27 Jan 2025 12:15

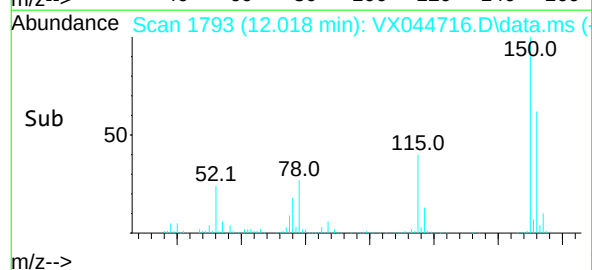
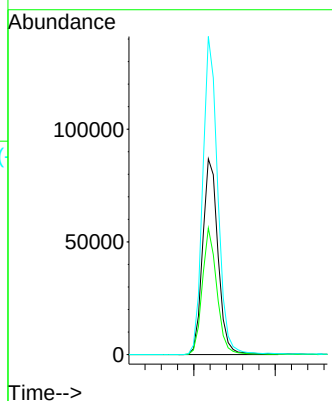
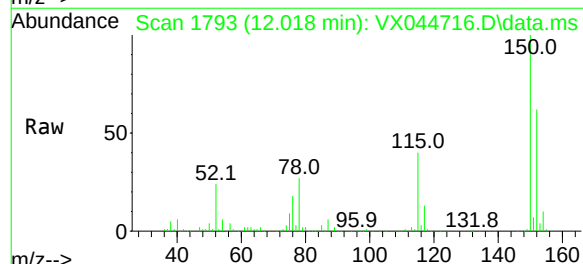
Tgt Ion:152 Resp: 114051

Ion Ratio Lower Upper

152 100

115 61.3 43.8 131.4

150 157.8 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044716.D
Acq On : 27 Jan 2025 12:15
Operator : JC/MD
Sample : Q1173-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250122

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\82X011525W.M
Title : SW846 8260

Signal : TIC: VX044716.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.239	21	25	43	rVV	41883	62763	6.70%	1.290%
2	5.379	692	704	720	rBV2	103504	305313	32.61%	6.277%
3	5.543	720	731	755	rVV	145255	434555	46.41%	8.934%
4	5.946	788	797	813	rBV	112044	301837	32.24%	6.206%
5	6.757	919	930	950	rBV	269750	679047	72.52%	13.961%
6	8.646	1233	1240	1267	rBV	529949	936350	100.00%	19.251%
7	9.524	1378	1384	1392	rVB2	6257	11232	1.20%	0.231%
8	10.049	1465	1470	1490	rBV	554687	814612	87.00%	16.748%
9	11.079	1634	1639	1652	rBV	457815	598662	63.94%	12.308%
10	12.018	1788	1793	1808	rBV	559623	719488	76.84%	14.793%

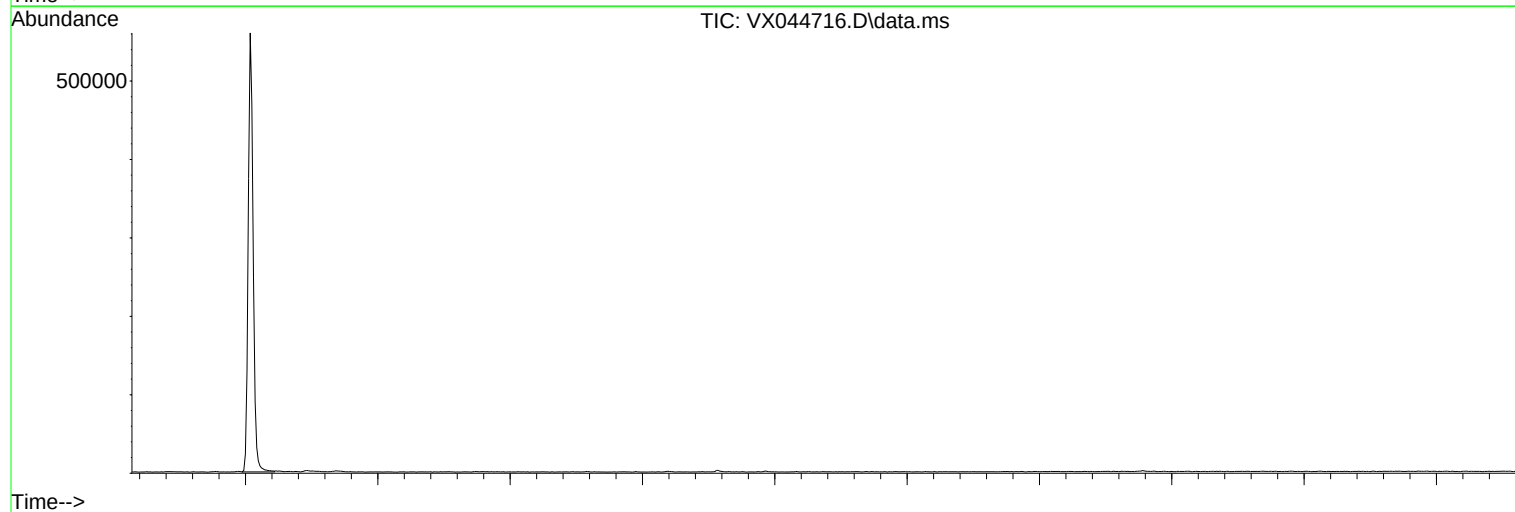
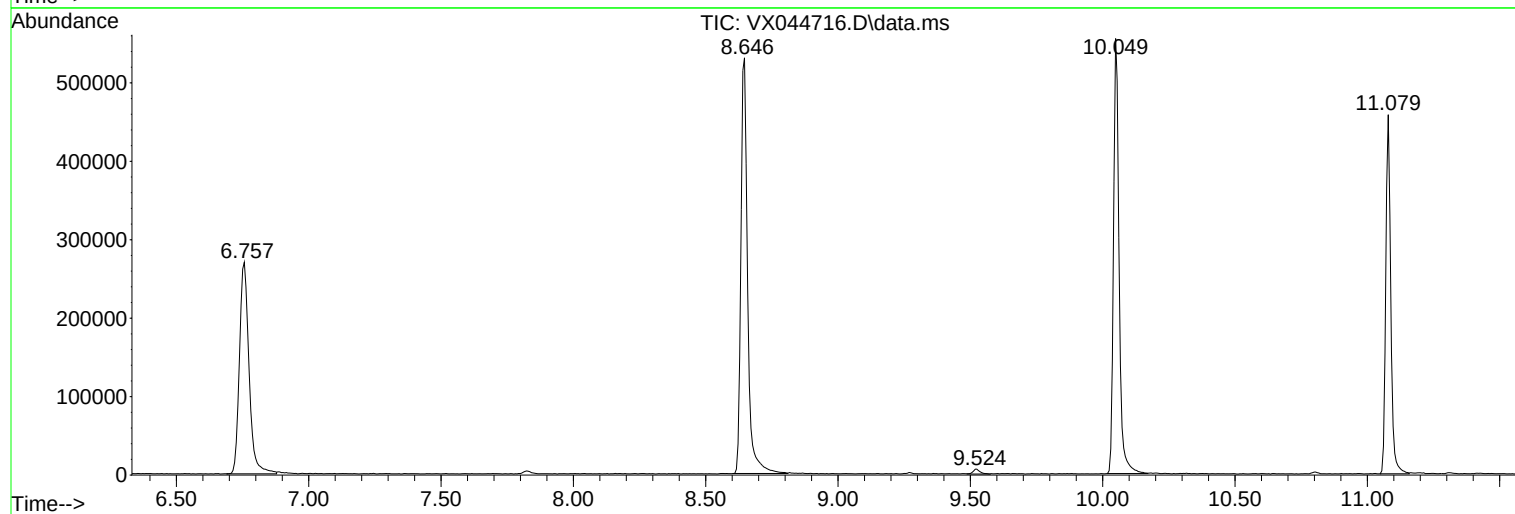
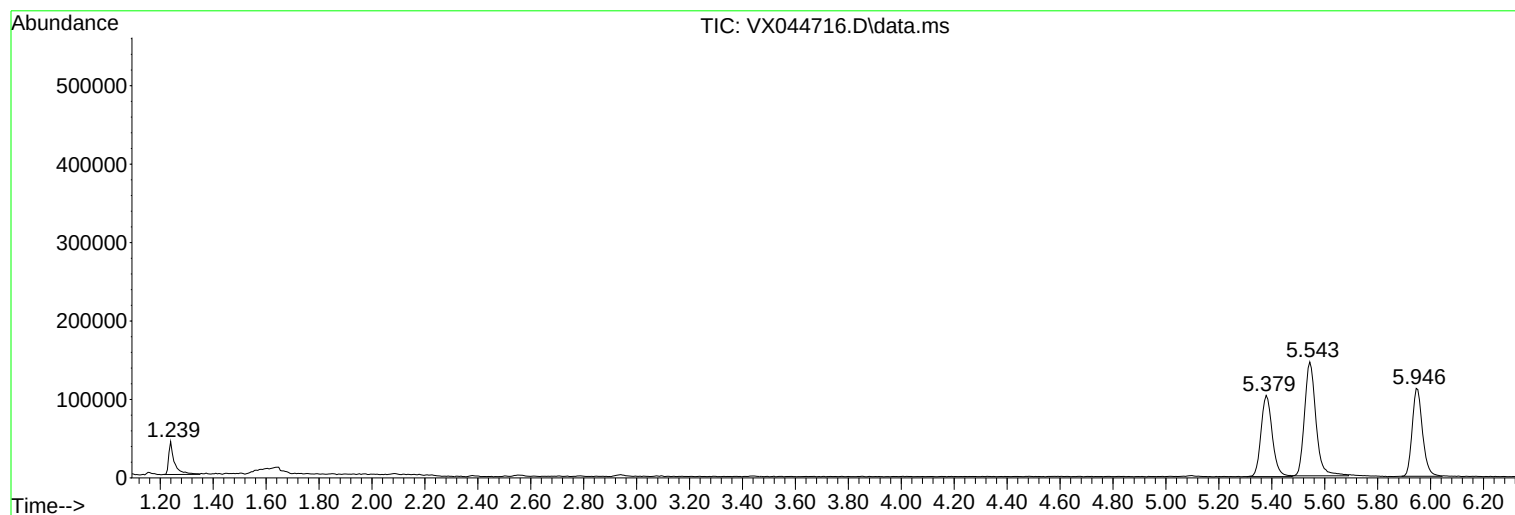
Sum of corrected areas: 4863859

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044716.D
Acq On : 27 Jan 2025 12:15
Operator : JC/MD
Sample : Q1173-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044716.D
Acq On : 27 Jan 2025 12:15
Operator : JC/MD
Sample : Q1173-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.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\VX012725\
Data File : VX044716.D
Acq On : 27 Jan 2025 12:15
Operator : JC/MD
Sample : Q1173-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB-192-HYD-20250122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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

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



CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06
 Lab Code: CHEM Case No.: Q1173 SAS No.: Q1173 SDG No.: Q1173
 Instrument ID: MSVOA_X Calibration Date(s): 01/15/2025 01/15/2025
 Heated Purge: (Y/N) N Calibration Time(s): 10:31 13:37
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX044648.D			RRF005 = VX044649.D		RRF020 = VX044650.D			
	RRF050 = VX044651.D			RRF100 = VX044652.D		RRF150 = VX044653.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Chloromethane	0.826	0.712	0.723	0.710	0.682	0.713	0.728	6.9	
Vinyl Chloride	0.801	0.681	0.681	0.702	0.699	0.749	0.719	6.6	
Bromomethane		0.170	0.166	0.171	0.169	0.183	0.172	3.7	
Chloroethane	0.165	0.123	0.113	0.117	0.124	0.149	0.132	15.7	
Trichlorofluoromethane	0.859	0.749	0.755	0.765	0.808	0.830	0.795	5.7	
1,1,2-Trichlorotrifluoroethane	0.678	0.563	0.562	0.554	0.598	0.629	0.597	8.1	
1,1-Dichloroethene	0.638	0.546	0.572	0.566	0.571	0.618	0.585	6	
Acetone	0.369	0.277	0.274	0.267	0.309	0.295	0.299	12.7	
Carbon Disulfide	1.690	1.556	1.571	1.544	1.552	1.673	1.598	4.1	
Methyl tert-butyl Ether	2.328	2.120	2.091	2.032	1.998	2.155	2.121	5.5	
Methylene Chloride	0.828	0.699	0.682	0.650	0.633	0.679	0.695	10	
trans-1,2-Dichloroethene	0.738	0.607	0.590	0.568	0.559	0.605	0.611	10.7	
1,1-Dichloroethane	1.251	1.164	1.161	1.126	1.111	1.238	1.175	4.9	
2-Butanone	0.451	0.444	0.444	0.426	0.449	0.450	0.444	2.1	
Carbon Tetrachloride	0.585	0.503	0.468	0.460	0.465	0.502	0.497	9.4	
cis-1,2-Dichloroethene	0.940	0.735	0.746	0.717	0.704	0.771	0.769	11.3	
Chloroform	1.261	1.226	1.185	1.142	1.095	1.206	1.186	5	
1,1,1-Trichloroethane	1.393	1.036	1.037	0.997	0.991	1.087	1.090	14	
Methylcyclohexane	0.662	0.555	0.556	0.551	0.583	0.614	0.587	7.5	
Benzene	1.517	1.376	1.364	1.306	1.274	1.384	1.370	6.1	
1,2-Dichloroethane	0.552	0.494	0.491	0.477	0.473	0.513	0.500	5.8	
Trichloroethene	0.338	0.319	0.324	0.316	0.324	0.355	0.329	4.5	
1,2-Dichloropropane	0.367	0.359	0.335	0.329	0.326	0.354	0.345	5	
Bromodichloromethane	0.634	0.530	0.518	0.508	0.499	0.542	0.538	9.1	
4-Methyl-2-Pentanone	0.549	0.489	0.481	0.449	0.445	0.458	0.479	8.1	
Toluene	0.941	0.864	0.849	0.805	0.769	0.804	0.839	7.3	
t-1,3-Dichloropropene	0.578	0.551	0.564	0.546	0.537	0.563	0.556	2.7	
cis-1,3-Dichloropropene	0.684	0.589	0.603	0.574	0.567	0.603	0.603	7	
1,1,2-Trichloroethane	0.401	0.342	0.341	0.319	0.312	0.321	0.339	9.6	
2-Hexanone	0.397	0.358	0.357	0.330	0.331	0.341	0.352	7.2	

* 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.: Q1173 SAS No.: Q1173 SDG No.: Q1173
 Instrument ID: MSVOA_X Calibration Date(s): 01/15/2025 01/15/2025
 Heated Purge: (Y/N) N Calibration Time(s): 10:31 13:37
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX044648.D		RRF005 = VX044649.D		RRF020 = VX044650.D		
		RRF050 = VX044651.D		RRF100 = VX044652.D		RRF150 = VX044653.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dibromochloromethane	0.449	0.407	0.399	0.381	0.369	0.386	0.398	7.1
Tetrachloroethene	0.346	0.309	0.299	0.296	0.308	0.326	0.314	5.9
Chlorobenzene	1.178	1.085	1.036	1.008	0.998	1.067	1.062	6.2
Ethyl Benzene	2.026	1.839	1.827	1.779	1.777	1.871	1.853	5
m/p-Xylenes	0.771	0.697	0.686	0.656	0.646	0.669	0.688	6.5
o-Xylene	0.787	0.713	0.690	0.665	0.644	0.674	0.695	7.3
Styrene	1.172	1.146	1.133	1.089	1.069	1.128	1.123	3.4
Bromoform	0.333	0.315	0.302	0.302	0.304	0.331	0.314	4.6
Isopropylbenzene	4.514	4.259	4.043	3.917	3.790	3.985	4.085	6.4
1,1,2,2-Tetrachloroethane	1.618	1.510	1.398	1.302	1.267	1.370	1.411	9.4
1,3-Dichlorobenzene	1.733	1.641	1.619	1.613	1.608	1.720	1.656	3.4
1,4-Dichlorobenzene	1.911	1.664	1.606	1.577	1.579	1.705	1.674	7.6
1,2-Dichlorobenzene	1.919	1.756	1.665	1.626	1.548	1.687	1.700	7.5
1,2-Dichloroethane-d4		0.863	0.691	0.745	0.689	0.785	0.755	9.6
Dibromofluoromethane		0.355	0.289	0.318	0.293	0.333	0.318	8.8
Toluene-d8		1.270	1.051	1.111	1.001	1.104	1.108	9.1
4-Bromofluorobenzene		0.445	0.394	0.421	0.383	0.421	0.413	6

* 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 : 82X011525W.M
 Title : SW846 8260
 Last Update : Thu Jan 16 01:16:09 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX044648.D 5 =VX044649.D 20 =VX044650.D 50 =VX044651.D 100 =VX044652.D 150 =VX044653.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.596	0.606	0.641	0.679	0.751	0.763	0.673	10.67
3) P	Chloromethane	0.826	0.712	0.723	0.710	0.682	0.713	0.728	6.88
4) C	Vinyl Chloride	0.801	0.681	0.681	0.702	0.699	0.749	0.719	6.61#
5) T	Bromomethane		0.170	0.166	0.171	0.169	0.183	0.172	3.73
6) T	Chloroethane	0.165	0.123	0.113	0.117	0.124	0.149	0.132	15.70
7) T	Trichlorofluor...	0.859	0.749	0.755	0.765	0.808	0.830	0.795	5.66
8) T	Diethyl Ether	0.394	0.320	0.304	0.292	0.292	0.321	0.321	11.92
9) T	1,1,2-Trichlor...	0.678	0.563	0.562	0.554	0.598	0.629	0.597	8.15
10) T	Methyl Iodide		0.818	0.832	0.808	0.798	0.822	0.815	1.59
11) T	Tert butyl alc...		0.211	0.165	0.151	0.152	0.162	0.168	14.66
12) CM	1,1-Dichloroet...	0.638	0.546	0.572	0.566	0.571	0.618	0.585	5.99#
13) T	Acrolein		0.113	0.066	0.068	0.068	0.080	0.079	25.32
14) T	Allyl chloride	1.432	1.117	1.078	1.049	1.051	1.112	1.140	12.83
15) T	Acrylonitrile	0.350	0.337	0.325	0.313	0.329	0.326	0.330	3.83
16) T	Acetone	0.369	0.277	0.274	0.267	0.309	0.295	0.299	12.72
17) T	Carbon Disulfide	1.690	1.556	1.571	1.544	1.552	1.673	1.597	4.11
18) T	Methyl Acetate	1.041	0.832	0.826	0.880	0.942	1.006	0.921	9.78
19) T	Methyl tert-bu...	2.328	2.120	2.091	2.032	1.998	2.155	2.121	5.49
20) T	Methylene Chlo...	0.828	0.699	0.682	0.650	0.633	0.679	0.695	9.95
21) T	trans-1,2-Dich...	0.738	0.607	0.590	0.568	0.559	0.605	0.611	10.69
22) T	Diisopropyl ether	2.109	2.041	1.991	1.901	1.854	1.993	1.981	4.67
23) T	Vinyl Acetate	1.848	1.805	1.757	1.650	1.637	1.708	1.734	4.88
24) P	1,1-Dichloroet...	1.251	1.164	1.161	1.126	1.111	1.238	1.175	4.89
25) T	2-Butanone	0.451	0.444	0.444	0.426	0.449	0.450	0.444	2.09
26) T	2,2-Dichloropr...	1.362	1.129	1.094	1.054	1.048	1.145	1.139	10.20
27) T	cis-1,2-Dichlo...	0.940	0.735	0.746	0.717	0.704	0.771	0.769	11.33
28) T	Bromochloromet...	0.638	0.554	0.521	0.531	0.527	0.523	0.549	8.21
29) T	Tetrahydrofuran	0.319	0.284	0.280	0.268	0.280	0.287	0.286	6.09
30) C	Chloroform	1.261	1.226	1.185	1.142	1.095	1.206	1.186	5.02#
31) T	Cyclohexane		0.938	0.956	0.931	0.935	0.991	0.950	2.62
32) T	1,1,1-Trichlor...	1.393	1.036	1.037	0.997	0.991	1.087	1.090	13.97
33) S	1,2-Dichloroet...		0.863	0.691	0.745	0.689	0.785	0.755	9.62
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.355	0.289	0.318	0.293	0.333	0.318	8.75
36) T	1,1-Dichloropr...	0.545	0.420	0.422	0.408	0.415	0.444	0.442	11.69
37) T	Ethyl Acetate	0.420	0.485	0.472	0.463	0.487	0.498	0.471	5.94
38) T	Carbon Tetrach...	0.585	0.503	0.468	0.460	0.465	0.502	0.497	9.44
39) T	Methylcyclohexane	0.662	0.555	0.556	0.551	0.583	0.614	0.587	7.49
40) TM	Benzene	1.517	1.376	1.364	1.306	1.274	1.384	1.370	6.12
41) T	Methacrylonitrile	0.310	0.277	0.257	0.254	0.273	0.274	0.274	7.24
42) TM	1,2-Dichloroet...	0.552	0.494	0.491	0.477	0.473	0.513	0.500	5.79
43) T	Isopropyl Acetate	0.981	0.845	0.850	0.815	0.831	0.875	0.866	6.88
44) TM	Trichloroethene	0.338	0.319	0.324	0.316	0.324	0.355	0.329	4.46
45) C	1,2-Dichloropr...	0.367	0.359	0.335	0.329	0.326	0.354	0.345	5.01#
46) T	Dibromomethane	0.300	0.271	0.249	0.246	0.243	0.266	0.263	8.19
47) T	Bromodichlorom...	0.634	0.530	0.518	0.508	0.499	0.542	0.538	9.13
48) T	Methyl methacr...	0.389	0.390	0.408	0.399	0.403	0.423	0.402	3.21
49) T	1,4-Dioxane	0.010	0.008	0.008	0.008	0.008	0.008	0.008	7.10
50) S	Toluene-d8		1.270	1.051	1.111	1.001	1.104	1.108	9.12
51) T	4-Methyl-2-Pen...	0.549	0.489	0.481	0.449	0.445	0.458	0.479	8.09
52) CM	Toluene	0.941	0.864	0.849	0.805	0.769	0.804	0.839	7.25#
53) T	t-1,3-Dichloro...	0.578	0.551	0.564	0.546	0.537	0.563	0.556	2.65
54) T	cis-1,3-Dichlo...	0.684	0.589	0.603	0.574	0.567	0.603	0.603	7.02
55) T	1,1,2-Trichlor...	0.401	0.342	0.341	0.319	0.312	0.321	0.339	9.61
56) T	Ethyl methacry...	0.641	0.576	0.598	0.564	0.547	0.574	0.583	5.61

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X011525W.M

57)	T	1,3-Dichloropr...	0.652	0.594	0.581	0.555	0.527	0.557	0.578	7.46
58)	T	2-Chloroethyl ...	0.377	0.281	0.252	0.273	0.265	0.271	0.286	15.86
59)	T	2-Hexanone	0.397	0.358	0.357	0.330	0.331	0.341	0.352	7.18
60)	T	Dibromochlorom...	0.449	0.407	0.399	0.381	0.369	0.386	0.398	7.06
61)	T	1,2-Dibromoethane	0.411	0.361	0.356	0.337	0.328	0.341	0.356	8.36
62)	S	4-Bromofluorob...	0.445	0.394	0.421	0.383	0.421	0.413		5.96
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.346	0.309	0.299	0.296	0.308	0.326	0.314	5.92
65)	PM	Chlorobenzene	1.178	1.085	1.036	1.008	0.998	1.067	1.062	6.18
66)	T	1,1,1,2-Tetrac...	0.420	0.398	0.376	0.367	0.361	0.394	0.386	5.72
67)	C	Ethyl Benzene	2.026	1.839	1.827	1.779	1.777	1.871	1.853	4.96#
68)	T	m/p-Xylenes	0.771	0.697	0.686	0.656	0.646	0.669	0.688	6.55
69)	T	o-Xylene	0.787	0.713	0.690	0.665	0.644	0.674	0.695	7.27
70)	T	Styrene	1.172	1.146	1.133	1.089	1.069	1.128	1.123	3.37
71)	P	Bromoform	0.333	0.315	0.302	0.302	0.304	0.331	0.314	4.58
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.514	4.259	4.043	3.917	3.790	3.985	4.085	6.40
74)	T	N-amyl acetate	2.228	2.047	1.969	1.900	1.882	2.055	2.013	6.32
75)	P	1,1,2,2-Tetrac...	1.618	1.510	1.398	1.302	1.267	1.370	1.411	9.35
76)	T	1,2,3-Trichlor...	1.321	1.369	1.173	1.102	1.140	1.176	1.213	8.76
77)	T	Bromobenzene	1.085	0.985	0.928	0.903	0.876	0.952	0.955	7.79
78)	T	n-propylbenzene	4.902	4.366	4.481	4.392	4.346	4.541	4.505	4.63
79)	T	2-Chlorotoluene	3.385	2.964	2.860	2.763	2.657	2.831	2.910	8.73
80)	T	1,3,5-Trimethy...	3.707	3.522	3.312	3.187	3.057	3.167	3.325	7.38
81)	T	trans-1,4-Dich...	0.535	0.517	0.512	0.522	0.567	0.531		4.15
82)	T	4-Chlorotoluene	3.509	3.220	3.182	3.075	2.978	3.161	3.188	5.64
83)	T	tert-Butylbenzene	4.017	3.693	3.410	3.304	3.137	3.300	3.477	9.27
84)	T	1,2,4-Trimethy...	3.967	3.380	3.346	3.211	3.097	3.273	3.379	9.04
85)	T	sec-Butylbenzene	4.515	4.037	3.977	3.895	3.855	4.009	4.048	5.90
86)	T	p-Isopropyltol...	3.663	3.337	3.277	3.222	3.161	3.303	3.327	5.29
87)	T	1,3-Dichlorobe...	1.733	1.641	1.619	1.613	1.608	1.720	1.656	3.38
88)	T	1,4-Dichlorobe...	1.911	1.664	1.606	1.577	1.579	1.705	1.674	7.58
89)	T	n-Butylbenzene	2.992	2.713	2.770	2.806	2.878	2.986	2.857	4.02
90)	T	Hexachloroethane	0.957	0.755	0.704	0.690	0.678	0.736	0.753	13.77
91)	T	1,2-Dichlorobe...	1.919	1.756	1.665	1.626	1.548	1.687	1.700	7.48
92)	T	1,2-Dibromo-3-...	0.407	0.355	0.320	0.310	0.322	0.356	0.345	10.33
93)	T	1,2,4-Trichlor...	0.956	0.943	0.945	1.031	1.061	1.163	1.016	8.54
94)	T	Hexachlorobuta...	0.419	0.384	0.373	0.393	0.401	0.426	0.399	5.14
95)	T	Naphthalene	4.049	3.759	3.797	3.814	3.860	4.244	3.920	4.80
96)	T	1,2,3-Trichlor...	1.058	0.993	1.006	1.055	1.055	1.156	1.054	5.44

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044648.D
 Acq On : 15 Jan 2025 10:31
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/15/2025
 Supervised By : Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:58:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 00:57:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	214233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	389452	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	329917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	135288	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	1.167	85	2555	0.886	ug/l	97
3) Chloromethane	1.295	50	3539	1.135	ug/l	96
4) Vinyl Chloride	1.374	62	3434	1.115	ug/l #	64
6) Chloroethane	1.660	64	708	1.253	ug/l #	83
7) Trichlorofluoromethane	1.862	101	3682	1.082	ug/l	89
8) Diethyl Ether	2.130	74	1689	1.229	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.313	101	2905	1.135	ug/l #	88
12) 1,1-Dichloroethene	2.313	96	2735	1.090	ug/l	82
14) Allyl chloride	2.654	41	6137	1.257	ug/l	88
15) Acrylonitrile	3.069	53	7502	5.306	ug/l	95
16) Acetone	2.386	43	7914	6.186	ug/l	97
17) Carbon Disulfide	2.496	76	7240	1.058	ug/l	96
18) Methyl Acetate	2.703	43	4460	1.130	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	9974	1.098	ug/l	96
20) Methylene Chloride	2.782	84	3548	1.191	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	3164	1.208	ug/l	94
22) Diisopropyl ether	3.758	45	9038	1.065	ug/l #	76
23) Vinyl Acetate	3.721	43	39593	5.328	ug/l	98
24) 1,1-Dichloroethane	3.599	63	5359	1.064	ug/l	98
25) 2-Butanone	4.574	43	9672	5.085	ug/l	94
26) 2,2-Dichloropropane	4.459	77	5837	1.196	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	4029	1.223	ug/l	87
28) Bromochloromethane	4.891	49	2733	1.162	ug/l #	95
29) Tetrahydrofuran	5.019	42	6842	5.576	ug/l	98
30) Chloroform	5.087	83	5401	1.063	ug/l	85
32) 1,1,1-Trichloroethane	5.379	97	5968	1.278	ug/l #	47
36) 1,1-Dichloropropene	5.678	75	4243	1.232	ug/l #	92
37) Ethyl Acetate	4.727	43	3269	0.891	ug/l #	88
38) Carbon Tetrachloride	5.666	117	4558	1.177	ug/l	85
39) Methylcyclohexane	7.367	83	5156	1.128	ug/l	98
40) Benzene	6.025	78	11813	1.107	ug/l	97
41) Methacrylonitrile	4.928	41	2415m	1.146	ug/l	
42) 1,2-Dichloroethane	6.092	62	4299	1.104	ug/l	91
43) Isopropyl Acetate	6.355	43	7640	1.132	ug/l	96
44) Trichloroethene	7.123	130	2633	1.026	ug/l	91
45) 1,2-Dichloropropane	7.434	63	2857	1.064	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044648.D
 Acq On : 15 Jan 2025 10:31
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/15/2025
 Supervised By : Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:58:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 00:57:36 2025
 Response via : Initial Calibration

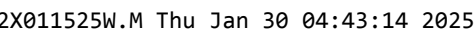
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.580	93	2337	1.143	ug/l	94
47) Bromodichloromethane	7.818	83	4937	1.177	ug/l	89
48) Methyl methacrylate	7.702	41	3029	0.967	ug/l	91
49) 1,4-Dioxane	7.696	88	1485	22.727	ug/l #	87
51) 4-Methyl-2-Pentanone	8.580	43	21388	5.736	ug/l	100
52) Toluene	8.714	92	7332	1.122	ug/l	93
53) t-1,3-Dichloropropene	8.982	75	4499	1.038	ug/l	99
54) cis-1,3-Dichloropropene	8.373	75	5328	1.134	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	3124	1.182	ug/l	91
56) Ethyl methacrylate	9.122	69	4994	1.099	ug/l	89
57) 1,3-Dichloropropane	9.311	76	5078	1.128	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.245	63	14681	6.581	ug/l	98
59) 2-Hexanone	9.439	43	15480	5.643	ug/l	98
60) Dibromochloromethane	9.519	129	3495	1.127	ug/l	100
61) 1,2-Dibromoethane	9.610	107	3200	1.155	ug/l	96
64) Tetrachloroethene	9.269	164	2280	1.101	ug/l	87
65) Chlorobenzene	10.073	112	7770	1.109	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	2769	1.087	ug/l #	62
67) Ethyl Benzene	10.195	91	13366	1.093	ug/l	93
68) m/p-Xylenes	10.299	106	10180	2.244	ug/l	100
69) o-Xylene	10.640	106	5193	1.132	ug/l	97
70) Styrene	10.659	104	7732	1.044	ug/l	93
71) Bromoform	10.799	173	2194	1.058	ug/l #	93
73) Isopropylbenzene	10.964	105	12214	1.105	ug/l	97
74) N-amyl acetate	10.848	43	6028	1.107	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	4377	1.147	ug/l	91
76) 1,2,3-Trichloropropane	11.244	75	3574m	1.119	ug/l	
77) Bromobenzene	11.201	156	2937	1.137	ug/l	93
78) n-propylbenzene	11.305	91	13264	1.088	ug/l	98
79) 2-Chlorotoluene	11.366	91	9159	1.163	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	10031	1.115	ug/l	97
82) 4-Chlorotoluene	11.457	91	9494	1.101	ug/l	93
83) tert-Butylbenzene	11.713	119	10869	1.155	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	10735	1.174	ug/l	94
85) sec-Butylbenzene	11.890	105	12217	1.115	ug/l	99
86) p-Isopropyltoluene	12.012	119	9910	1.101	ug/l	90
87) 1,3-Dichlorobenzene	11.969	146	4688	1.046	ug/l	97
88) 1,4-Dichlorobenzene	12.037	146	5172m	1.163	ug/l	
89) n-Butylbenzene	12.335	91	8095	1.047	ug/l	94
90) Hexachloroethane	12.536	117	2589	1.270	ug/l	92
91) 1,2-Dichlorobenzene	12.341	146	5192	1.128	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1100	1.178	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	2587	0.941	ug/l	92
94) Hexachlorobutadiene	13.725	225	1133	1.049	ug/l	91
95) Naphthalene	13.780	128	10956	1.033	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	2863	1.004	ug/l	96

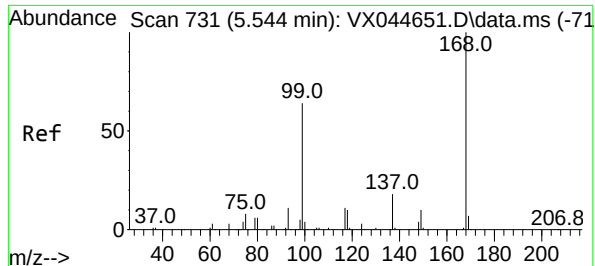
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025





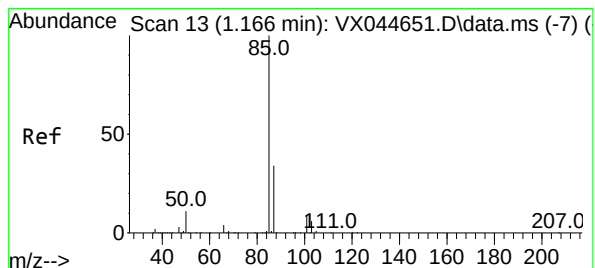
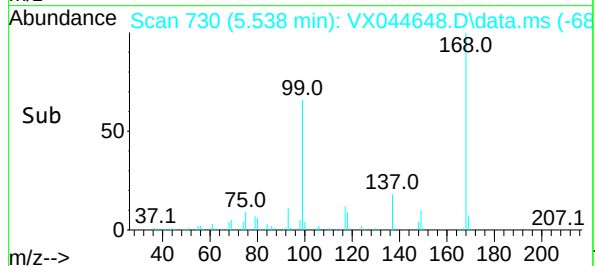
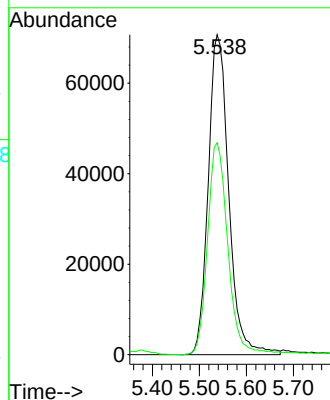
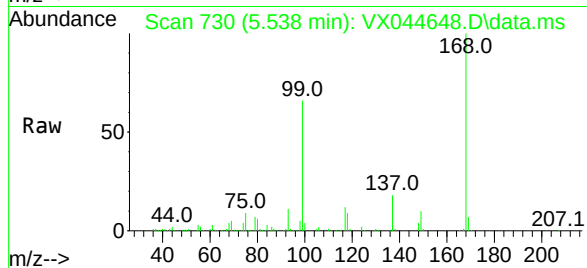
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 21423
Ion Ratio Lower Upper
168 100
99 66.1 51.1 76.7

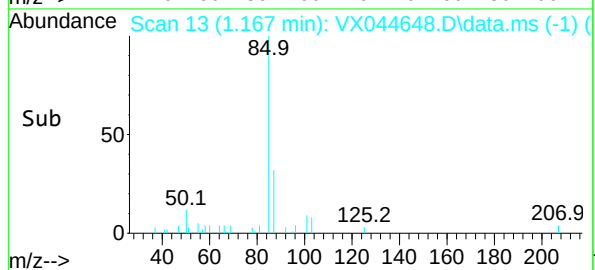
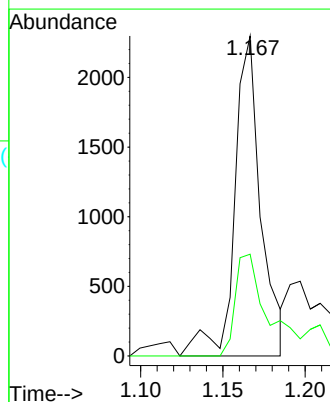
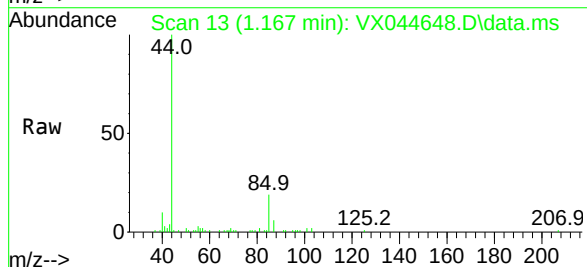
Manual Integrations
APPROVED

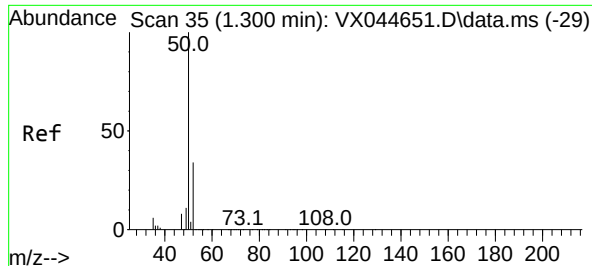
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#2
Dichlorodifluoromethane
Concen: 0.886 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

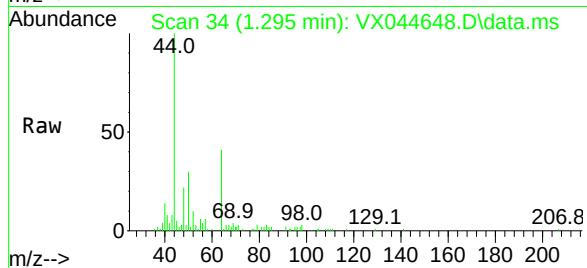
Tgt Ion: 85 Resp: 2555
Ion Ratio Lower Upper
85 100
87 31.8 16.8 50.4





#3
Chloromethane
Concen: 1.135 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

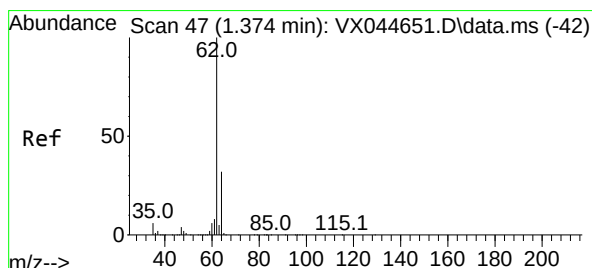
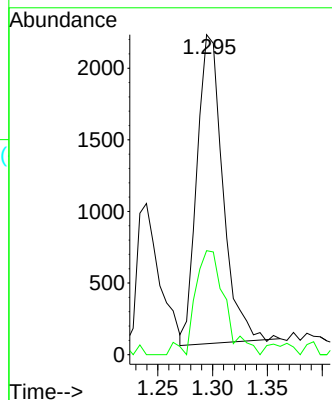
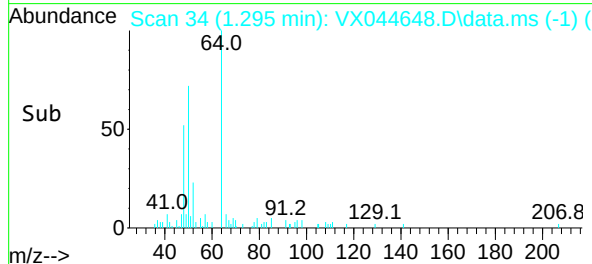
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion: 50 Resp: 3539
Ion Ratio Lower Upper
50 100
52 31.5 27.0 40.4

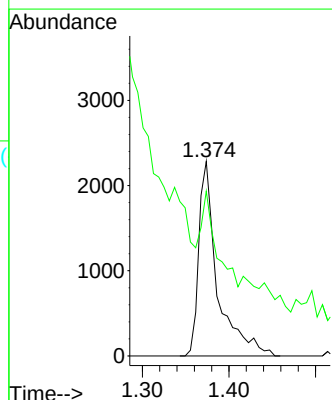
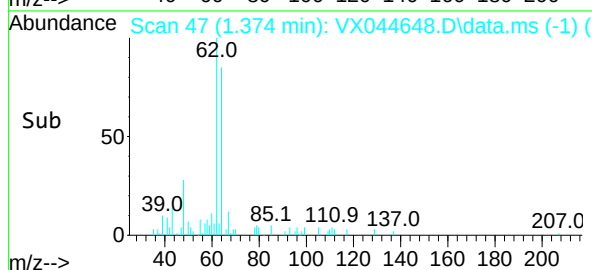
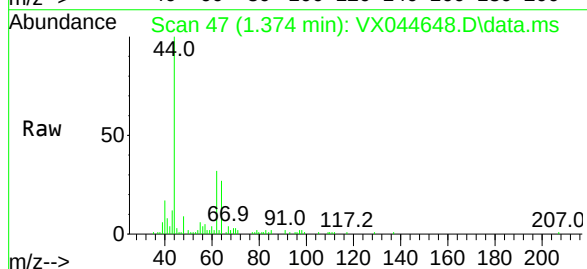
Manual Integrations
APPROVED

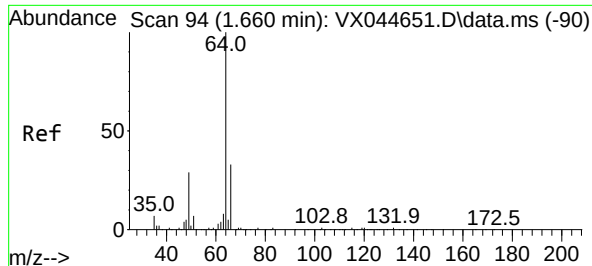
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#4
Vinyl Chloride
Concen: 1.115 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

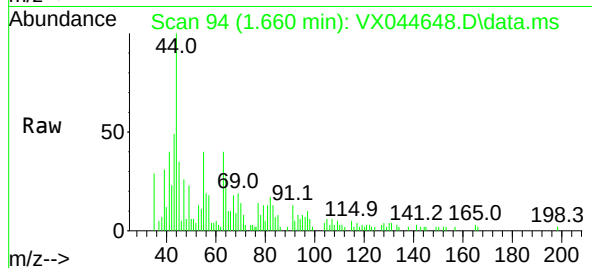
Tgt Ion: 62 Resp: 3434
Ion Ratio Lower Upper
62 100
64 53.6 26.6 39.8#





#6
Chloroethane
Concen: 1.253 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

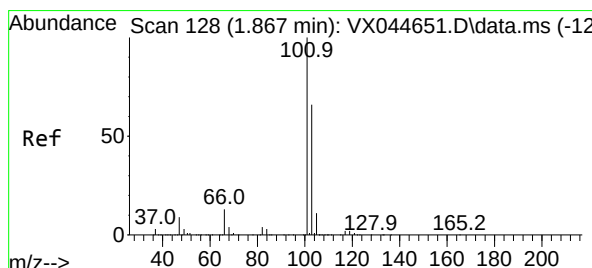
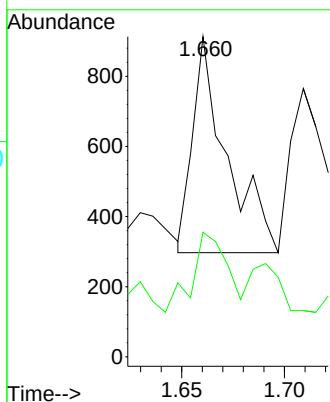
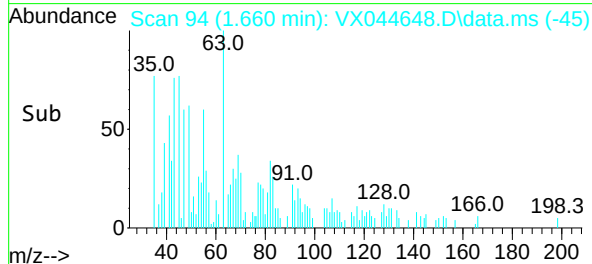
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 64 Resp: 708
Ion Ratio Lower Upper
64 100
66 23.4 26.6 39.8

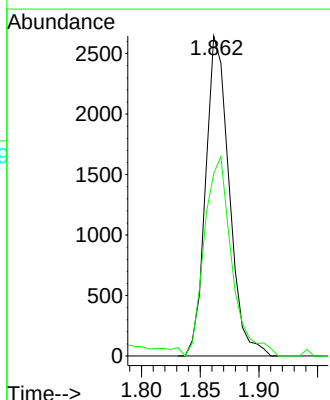
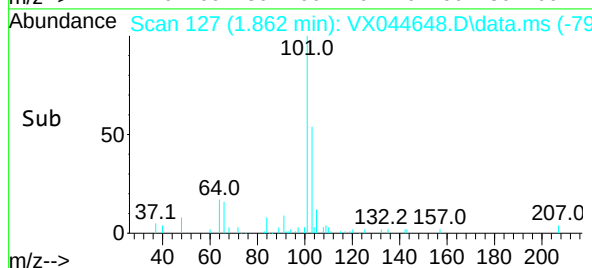
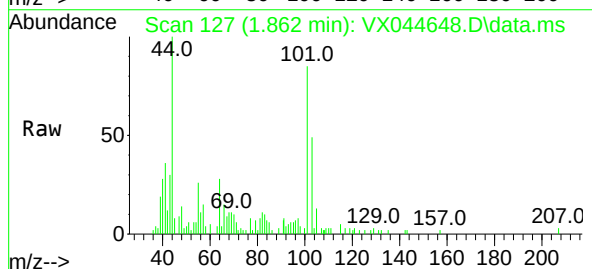
Manual Integrations
APPROVED

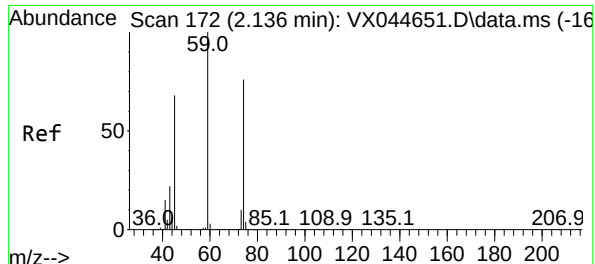
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#7
Trichlorofluoromethane
Concen: 1.082 ug/l
RT: 1.862 min Scan# 127
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

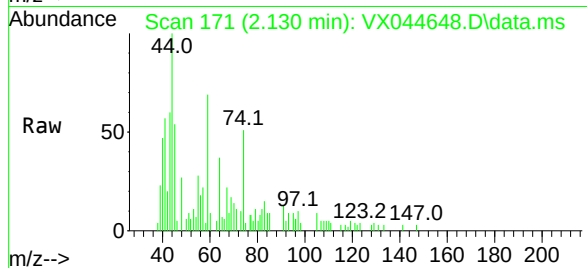
Tgt Ion:101 Resp: 3682
Ion Ratio Lower Upper
101 100
103 57.0 52.5 78.7





#8
Diethyl Ether
Concen: 1.229 ug/l
RT: 2.130 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

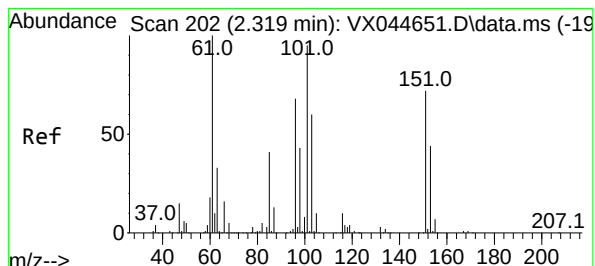
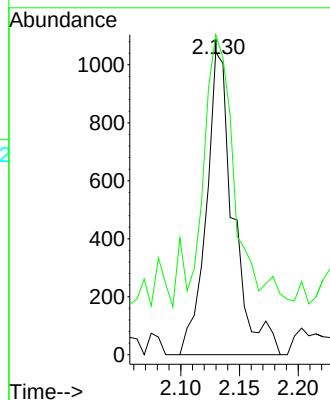
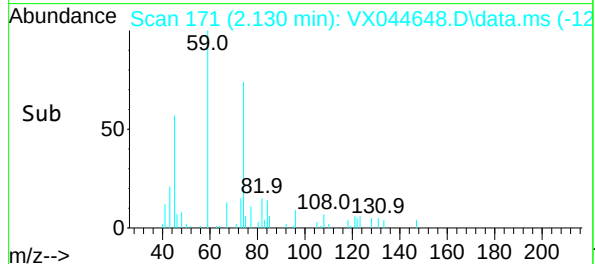
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



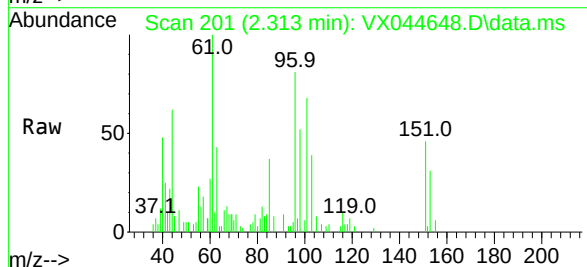
Tgt Ion: 74 Resp: 1689
Ion Ratio Lower Upper
74 100
45 106.7 47.1 141.3

Manual Integrations
APPROVED

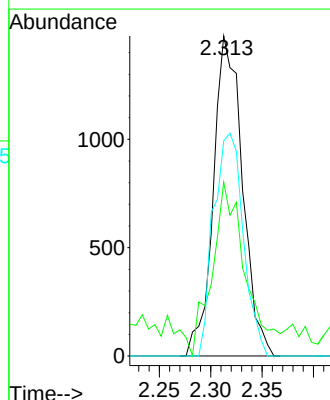
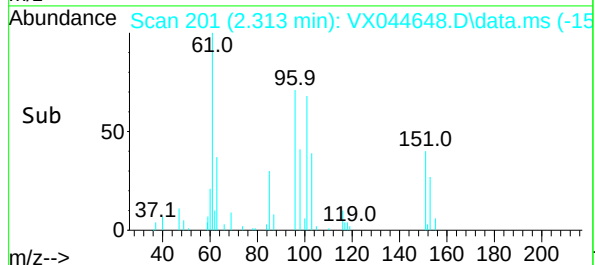
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

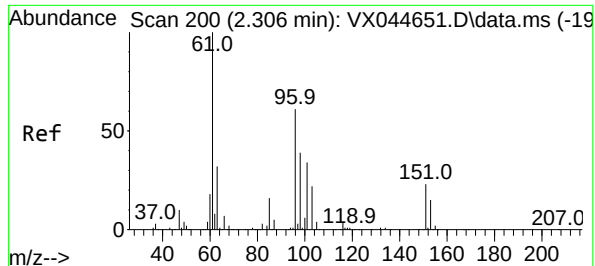


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.135 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31



Tgt Ion:101 Resp: 2905
Ion Ratio Lower Upper
101 100
85 62.7 35.3 52.9#
151 71.2 58.2 87.4





#12

1,1-Dichloroethene

Concen: 1.090 ug/l

RT: 2.313 min Scan# 200

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 273

Ion Ratio Lower Upper

96 100

61 131.3 131.1 196.7

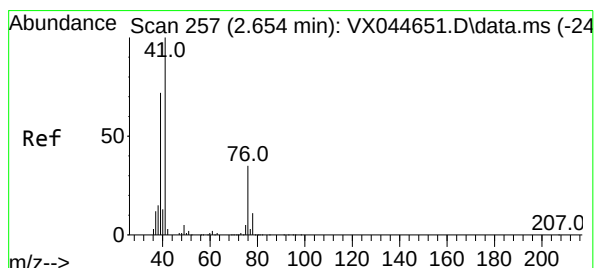
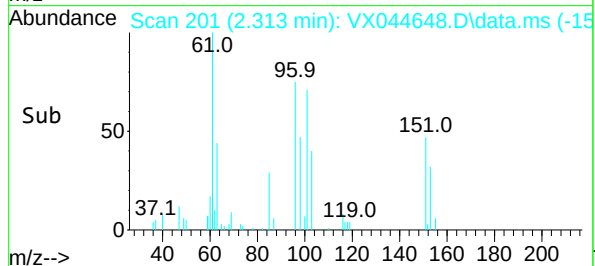
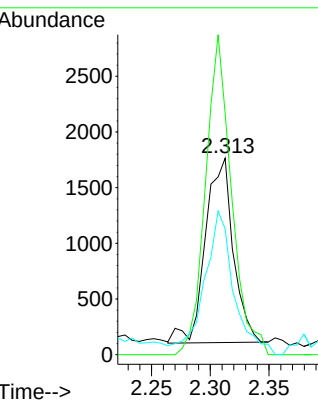
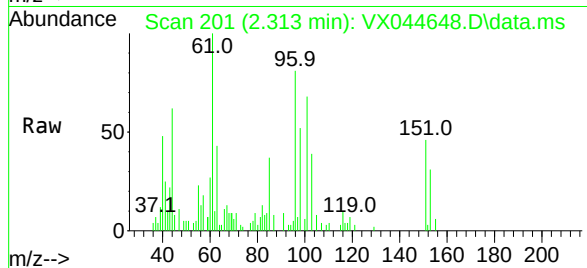
98 63.5 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#14

Allyl chloride

Concen: 1.257 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

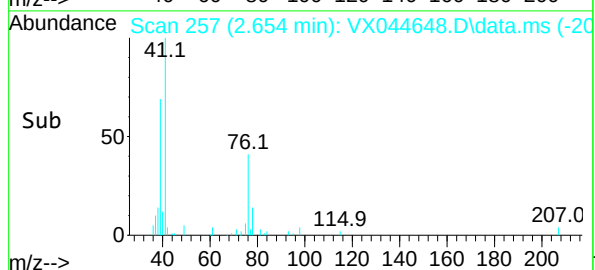
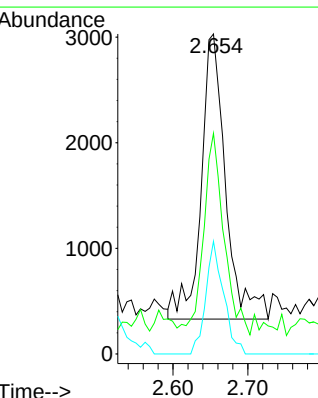
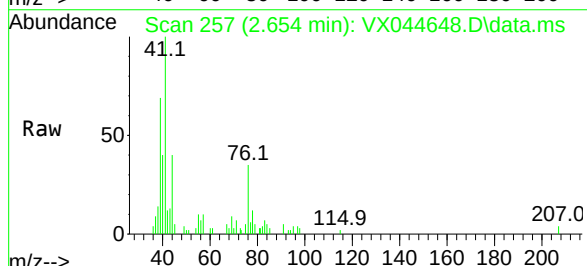
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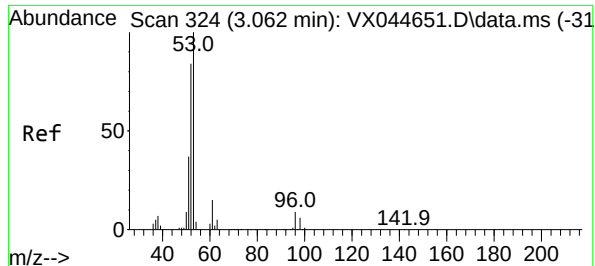
Ion Ratio Lower Upper

41 100

39 58.2 54.9 82.3

76 28.7 28.4 42.6





#15

Acrylonitrile

Concen: 5.306 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Tgt Ion: 53	Resp: 750
Ion Ratio	Lower Upper
53	100
52	86.7 66.0 99.0
51	40.4 28.9 43.3

Instrument :

MSVOA_X

ClientSampleId :

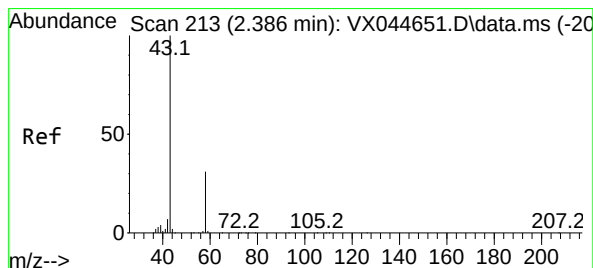
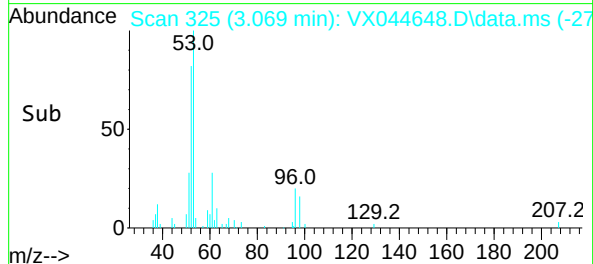
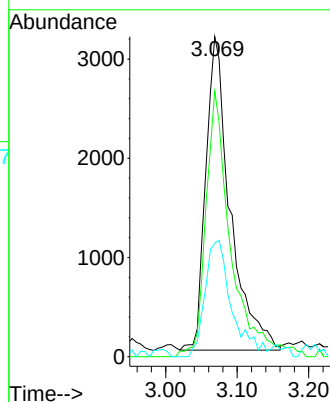
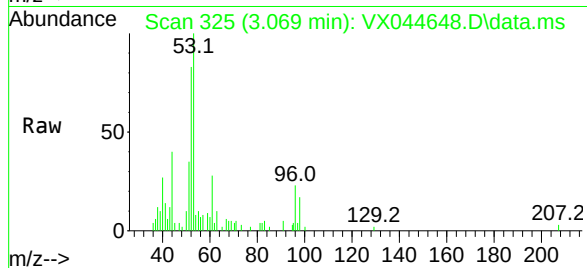
VSTDICC001

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#16

Acetone

Concen: 6.186 ug/l

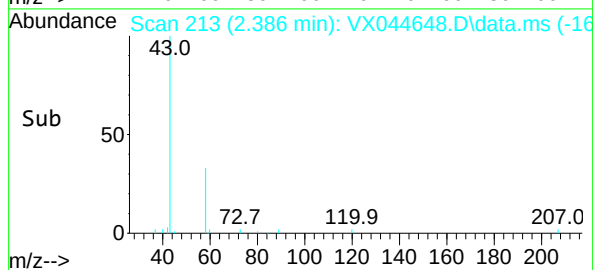
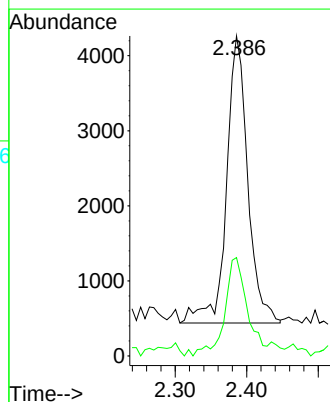
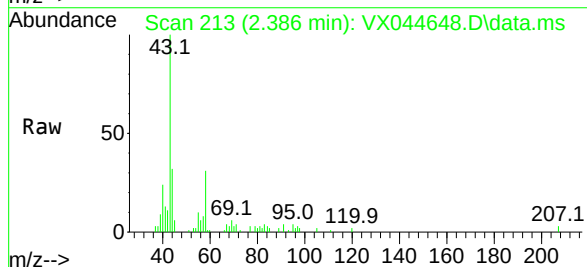
RT: 2.386 min Scan# 213

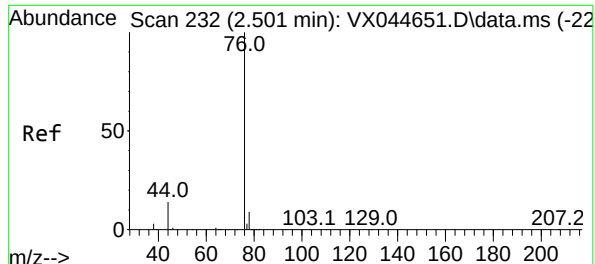
Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Tgt Ion: 43	Resp: 7914
Ion Ratio	Lower Upper
43	100
58	32.5 24.6 37.0





#17

Carbon Disulfide

Concen: 1.058 ug/l

RT: 2.496 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX044648.D

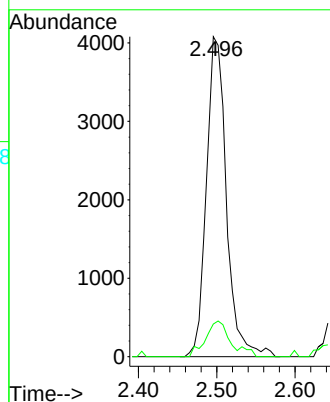
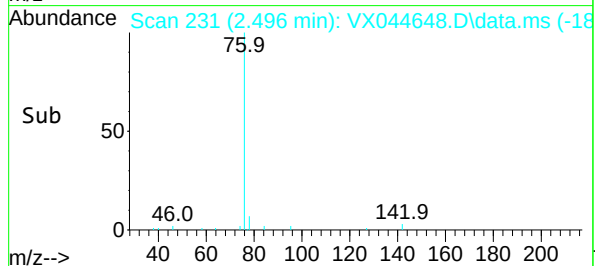
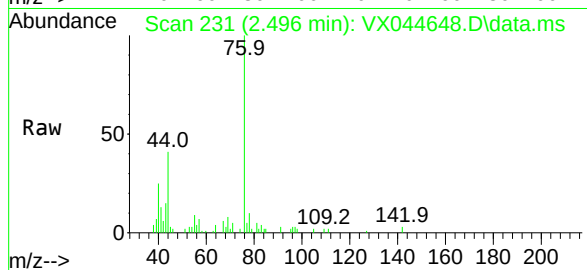
Acq: 15 Jan 2025 10:31

Tgt Ion: 76 Resp: 7240

Ion Ratio Lower Upper

76 100

78 10.2 7.1 10.7



Instrument :

MSVOA_X

ClientSampleId :

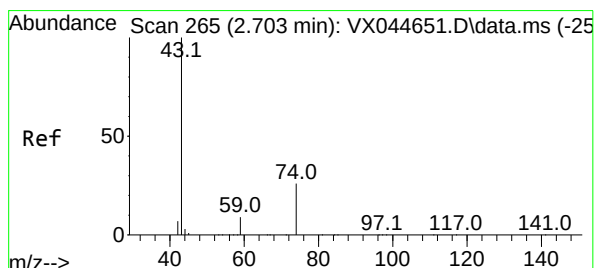
VSTDICC001

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#18

Methyl Acetate

Concen: 1.130 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044648.D

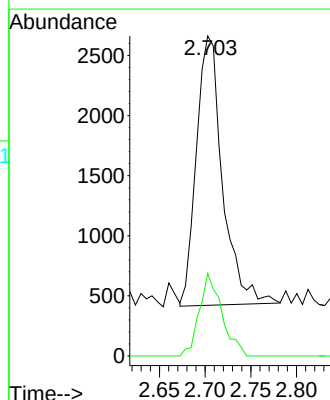
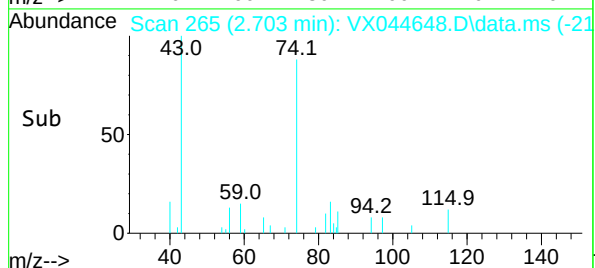
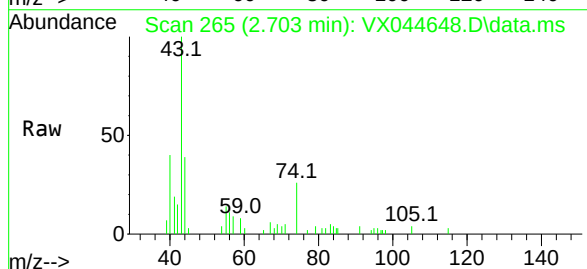
Acq: 15 Jan 2025 10:31

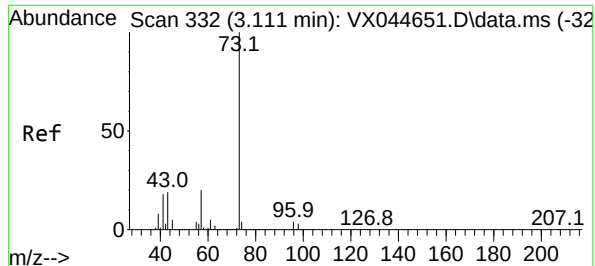
Tgt Ion: 43 Resp: 4460

Ion Ratio Lower Upper

43 100

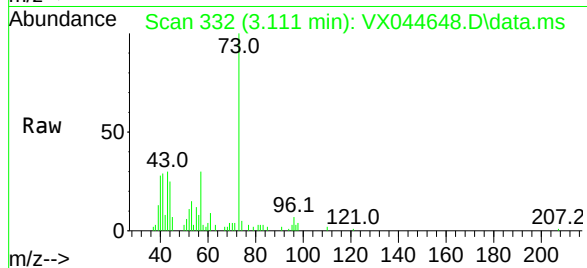
74 26.5 19.8 29.8





#19
Methyl tert-butyl Ether
Concen: 1.098 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

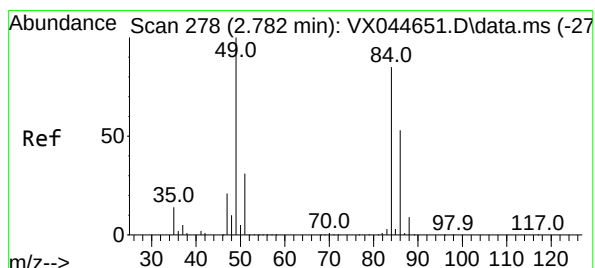
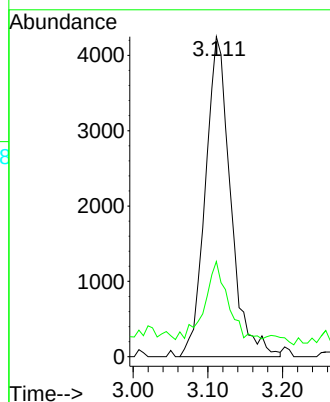
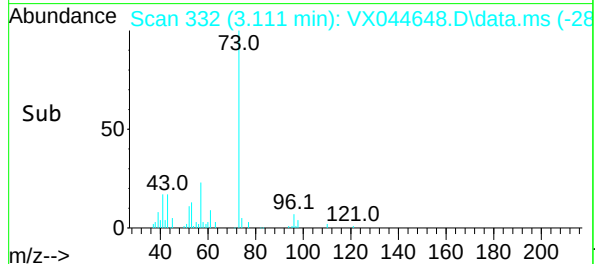
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion: 73 Resp: 9974
Ion Ratio Lower Upper
73 100
57 23.7 17.4 26.0

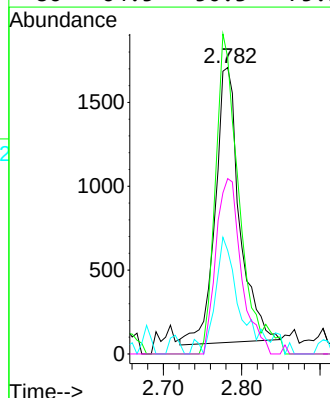
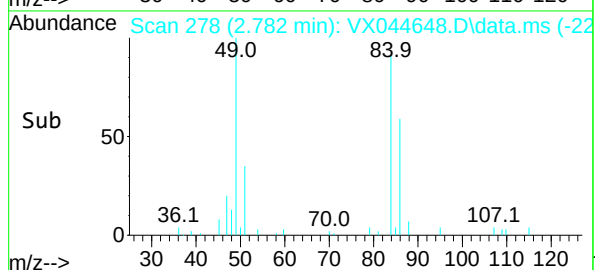
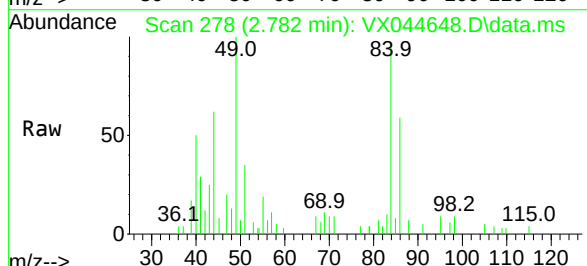
Manual Integrations
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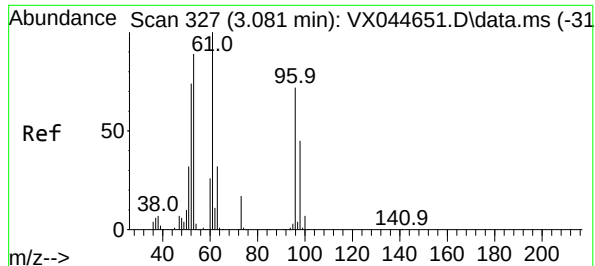
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#20
Methylene Chloride
Concen: 1.191 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

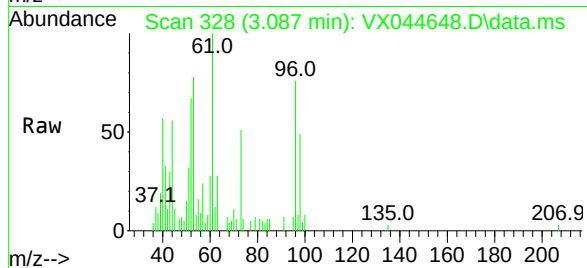
Tgt Ion: 84 Resp: 3548
Ion Ratio Lower Upper
84 100
49 108.9 94.2 141.4
51 34.2 28.8 43.2
86 64.5 50.3 75.5





#21
trans-1,2-Dichloroethene
Concen: 1.208 ug/l
RT: 3.087 min Scan# 316
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

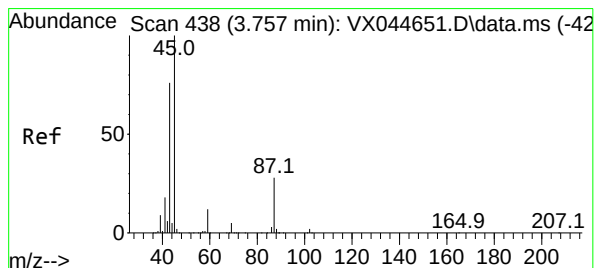
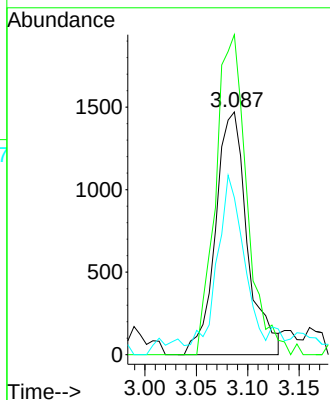
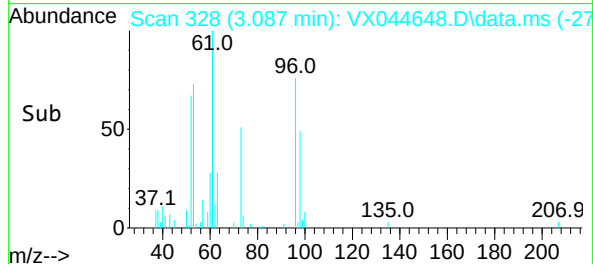
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion: 96 Resp: 3164
Ion Ratio Lower Upper
96 100
61 131.8 111.0 166.6
98 58.2 50.2 75.2

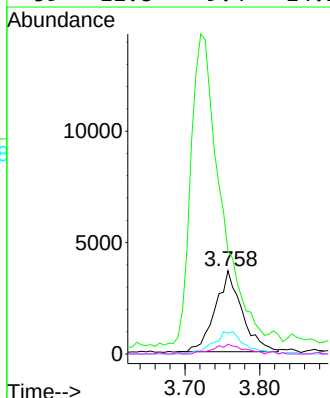
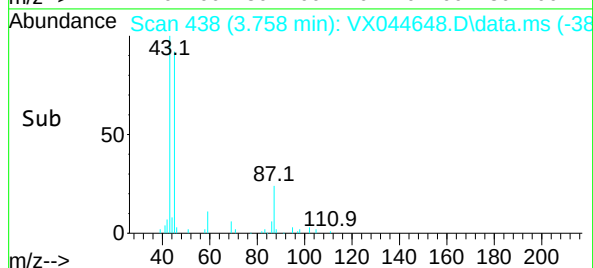
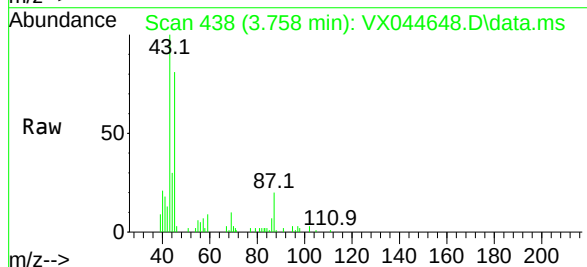
Manual Integrations
APPROVED

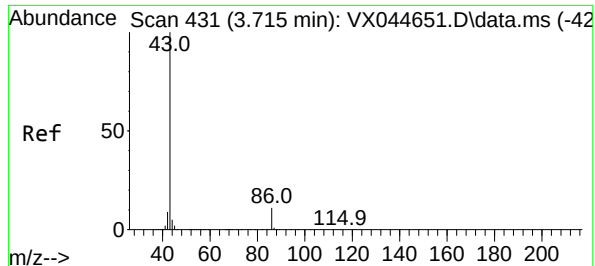
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#22
Diisopropyl ether
Concen: 1.065 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

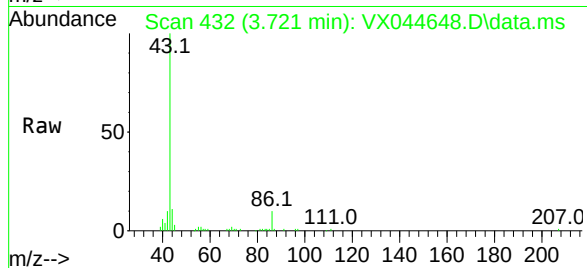
Tgt Ion: 45 Resp: 9038
Ion Ratio Lower Upper
45 100
43 106.2 61.0 91.6#
87 25.7 22.7 34.1
59 11.8 9.4 14.2





#23
Vinyl Acetate
Concen: 5.328 ug/l
RT: 3.721 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

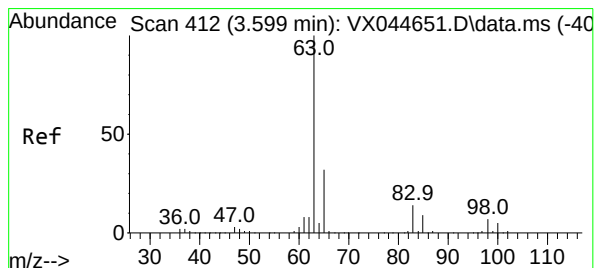
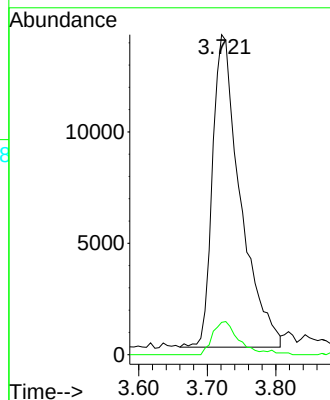
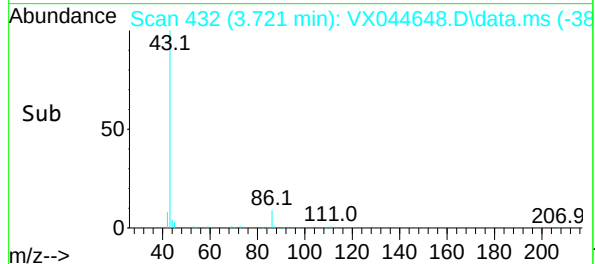
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion: 43 Resp: 3959
Ion Ratio Lower Upper
43 100
86 10.3 8.9 13.3

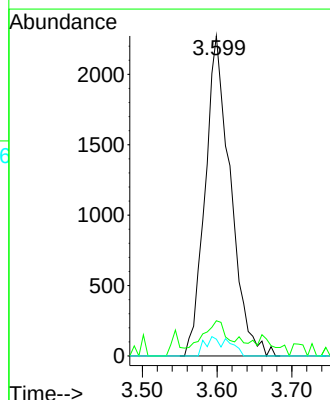
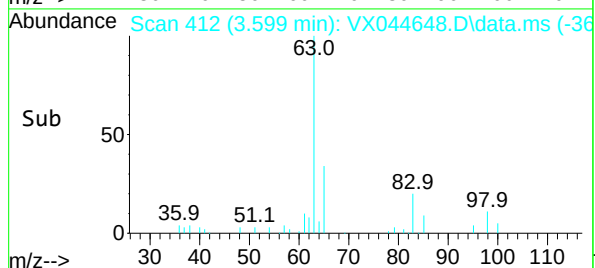
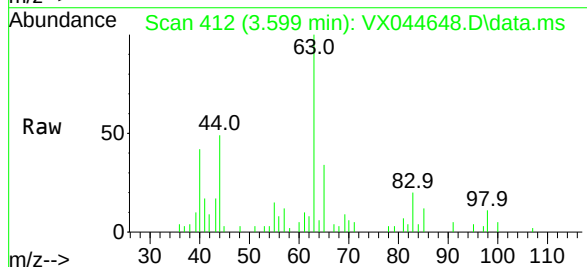
Manual Integrations
APPROVED

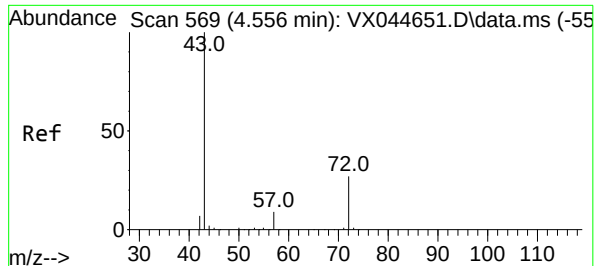
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#24
1,1-Dichloroethane
Concen: 1.064 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 63 Resp: 5359
Ion Ratio Lower Upper
63 100
98 8.4 3.6 10.9
100 5.2 2.5 7.5





#25

2-Butanone

Concen: 5.085 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 967

Ion Ratio Lower Upper

43 100

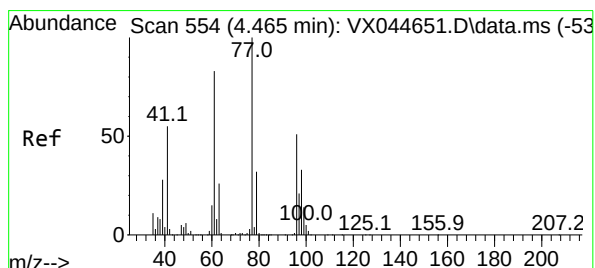
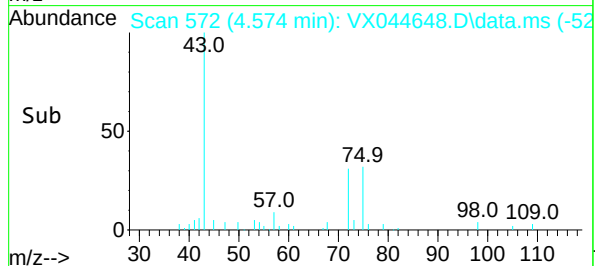
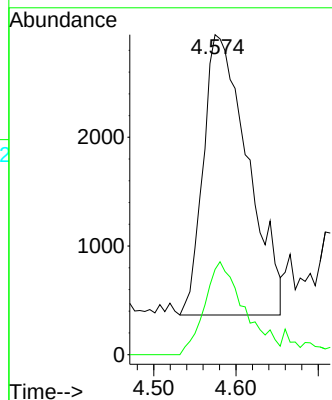
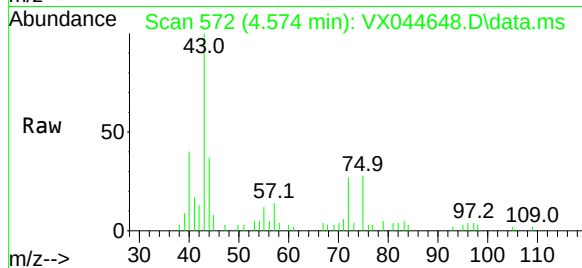
72 30.4 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#26

2,2-Dichloropropane

Concen: 1.196 ug/l

RT: 4.459 min Scan# 553

Delta R.T. -0.006 min

Lab File: VX044648.D

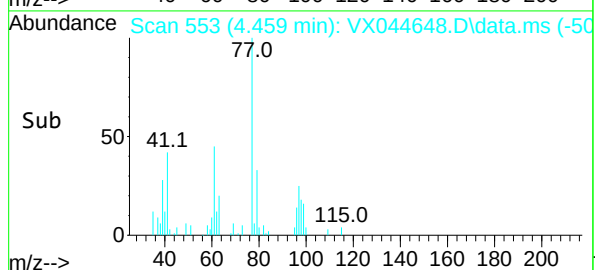
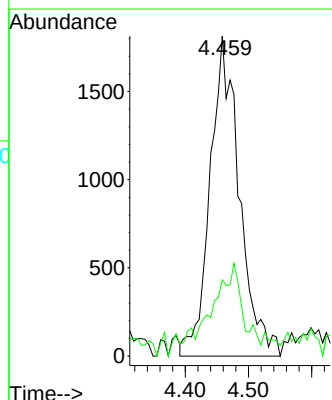
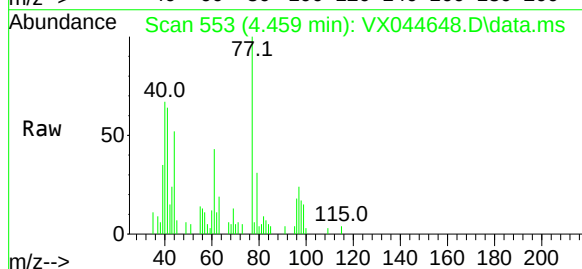
Acq: 15 Jan 2025 10:31

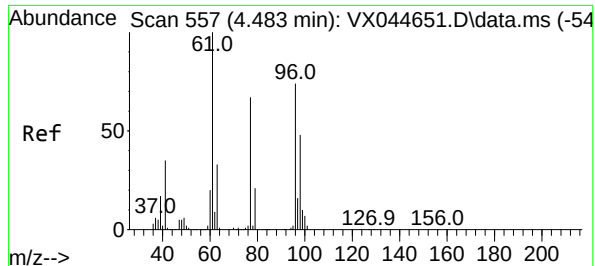
Tgt Ion: 77 Resp: 5837

Ion Ratio Lower Upper

77 100

97 24.2 10.9 32.6





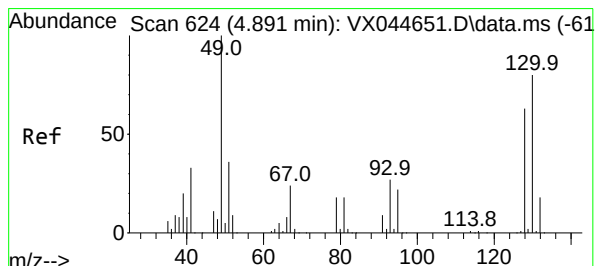
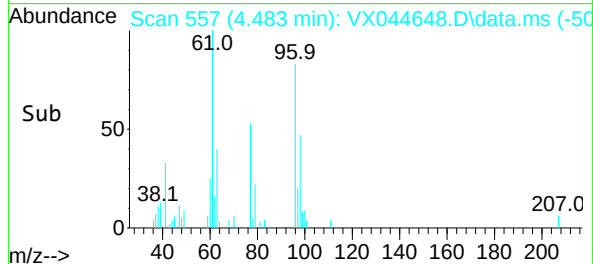
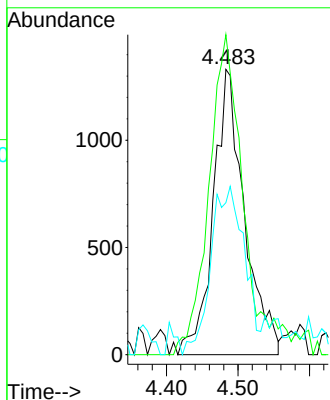
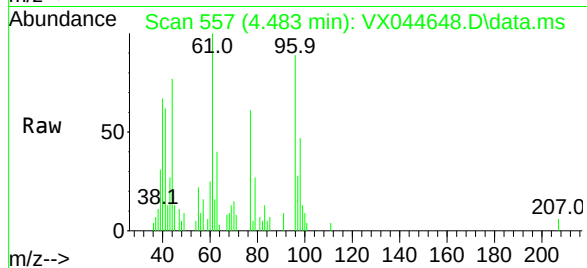
#27
cis-1,2-Dichloroethene
Concen: 1.223 ug/l
RT: 4.483 min Scan# 557
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 4029
Ion Ratio Lower Upper
96 100
61 124.2 0.0 296.0
98 64.2 0.0 130.0

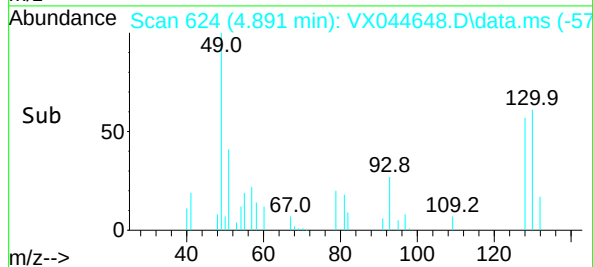
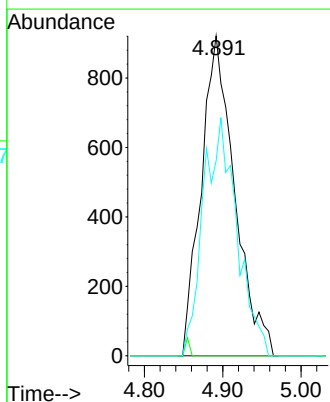
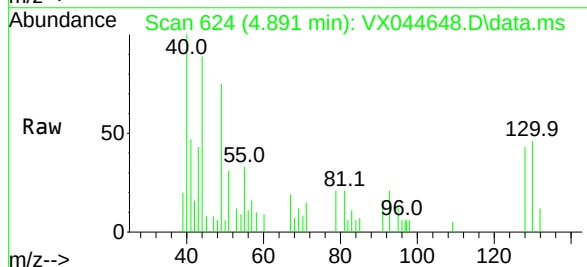
Manual Integrations
APPROVED

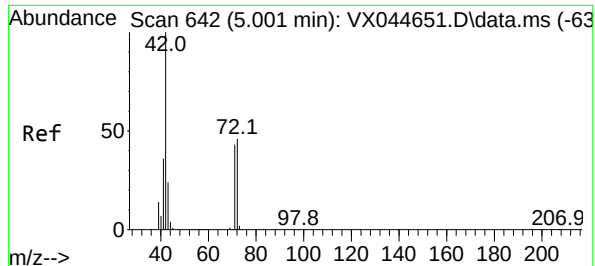
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#28
Bromochloromethane
Concen: 1.162 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 49 Resp: 2733
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 74.9 63.4 95.2





#29

Tetrahydrofuran

Concen: 5.576 ug/l

RT: 5.019 min Scan# 642

Delta R.T. 0.018 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

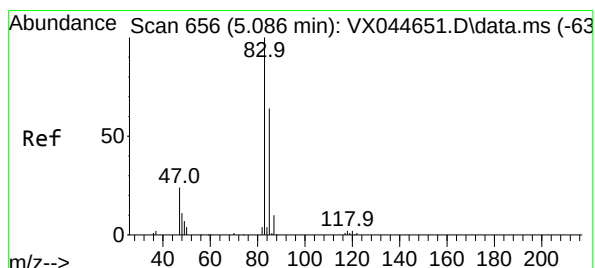
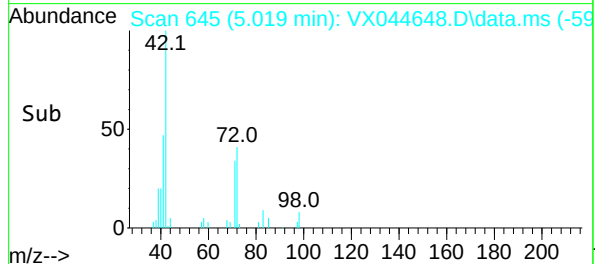
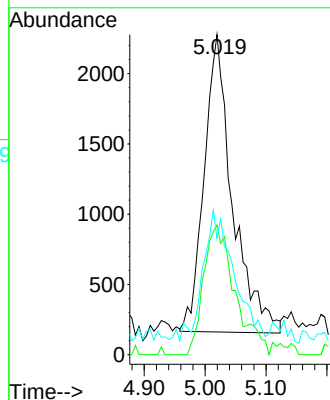
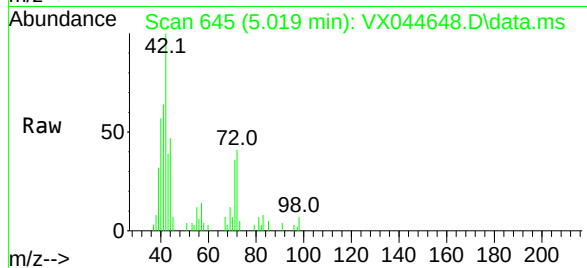
Tgt Ion:	42	Resp:	684
Ion	Ratio	Lower	Upper
42	100		
72	48.2	38.2	57.4
71	46.5	35.3	52.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#30

Chloroform

Concen: 1.063 ug/l

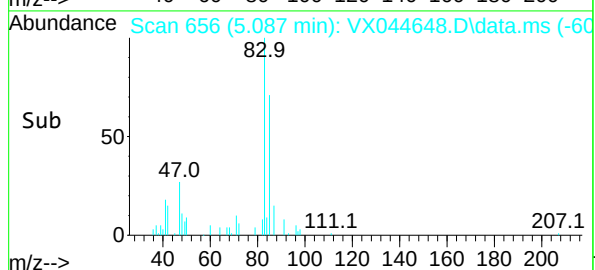
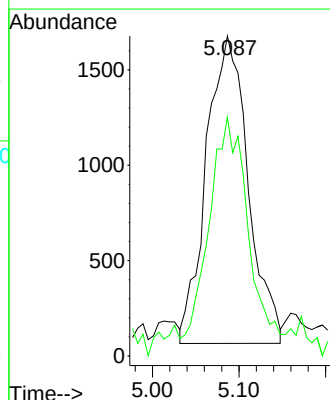
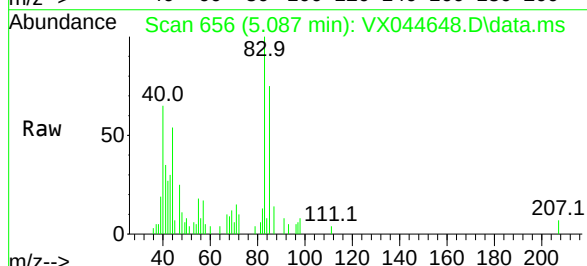
RT: 5.087 min Scan# 656

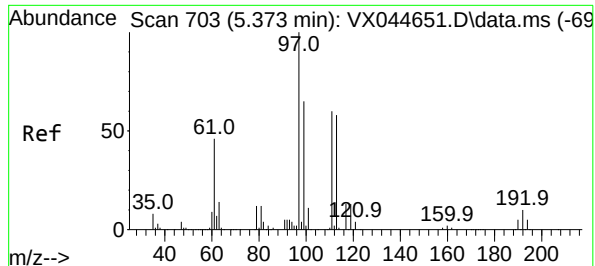
Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Tgt Ion:	83	Resp:	5401
Ion	Ratio	Lower	Upper
83	100		
85	75.4	51.2	76.8





#32

1,1,1-Trichloroethane

Concen: 1.278 ug/l

RT: 5.379 min Scan# 70

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 97 Resp: 596

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4

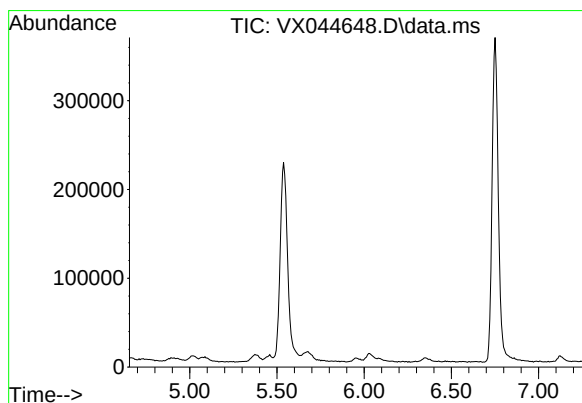
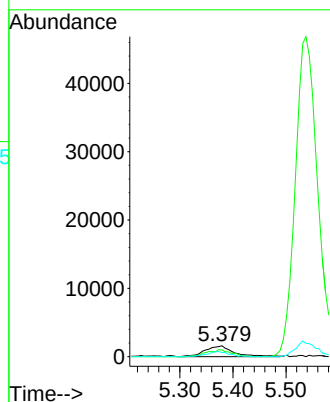
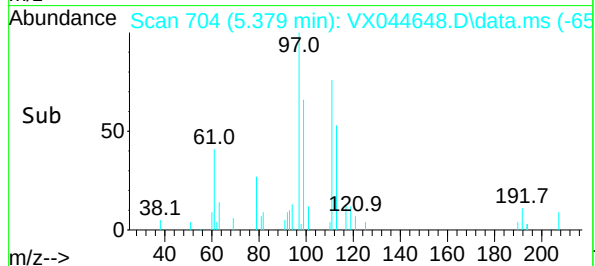
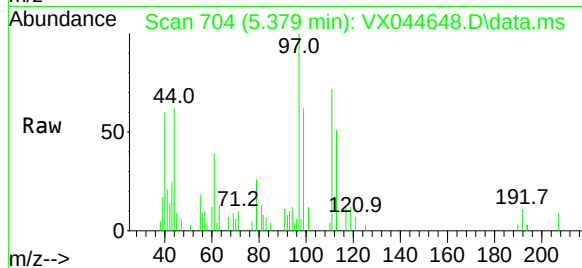
61 37.6 35.6 53.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.95 min

Lab File: VX044648.D

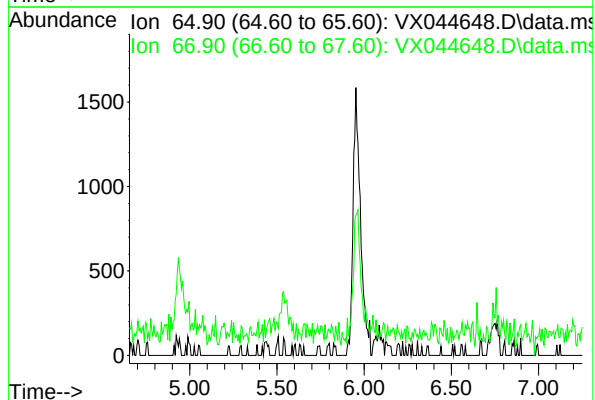
Acq: 15 Jan 2025 10:31

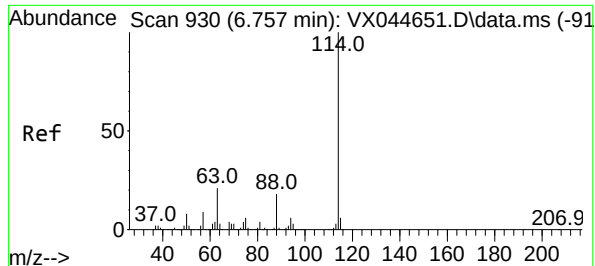
Tgt Ion: 65

Sig Exp Ratio

65 100

67 51.7





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion:114 Resp: 38945

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.0

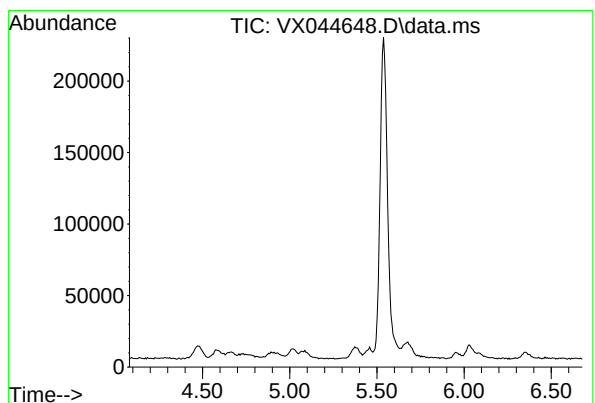
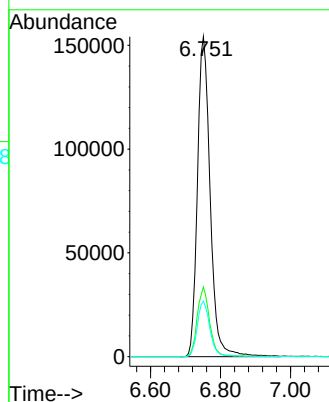
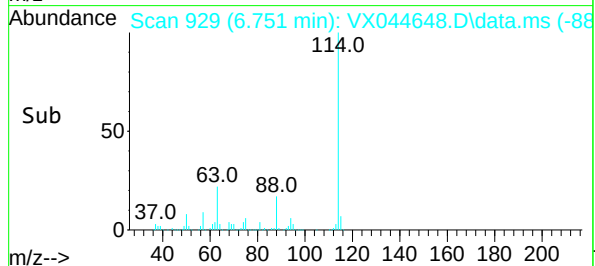
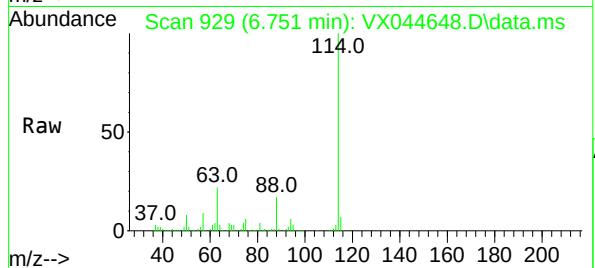
88 17.4 0.0 35.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 5.38 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

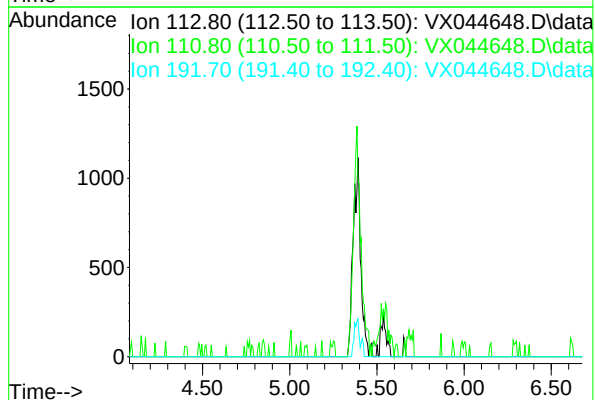
Tgt Ion: 113

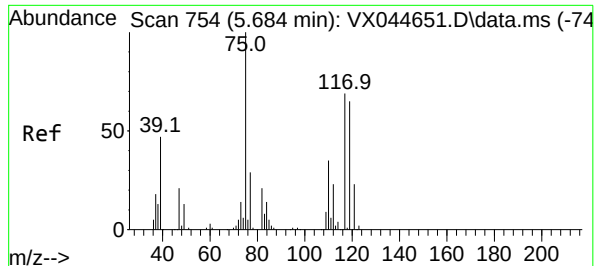
Sig Exp Ratio

113 100

111 102.0

192 18.0





#36

1,1-Dichloropropene

Concen: 1.232 ug/l

RT: 5.678 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 424

Ion Ratio Lower Upper

75 100

110 34.5 17.9 53.8

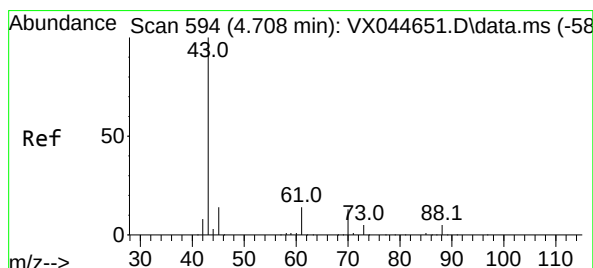
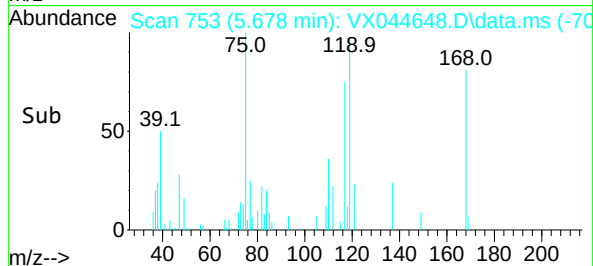
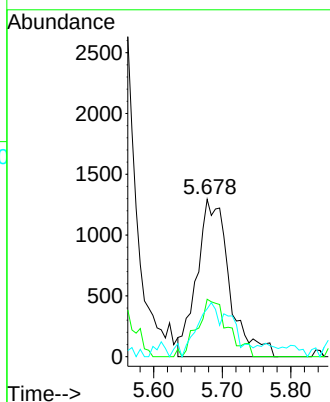
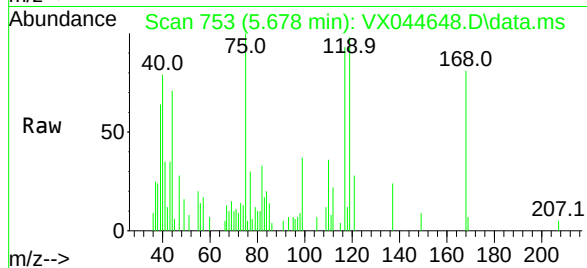
77 22.1 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#37

Ethyl Acetate

Concen: 0.891 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.019 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

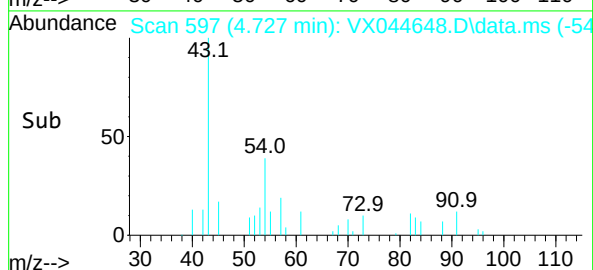
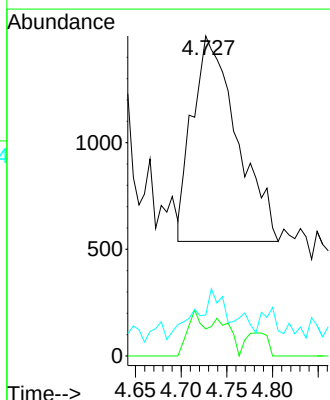
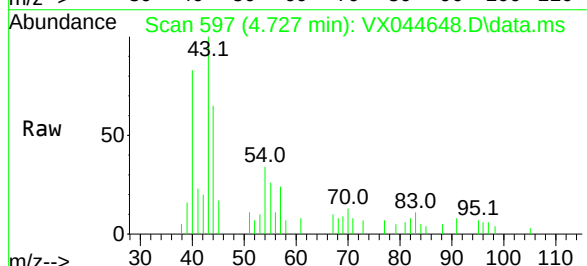
Tgt Ion: 43 Resp: 3269

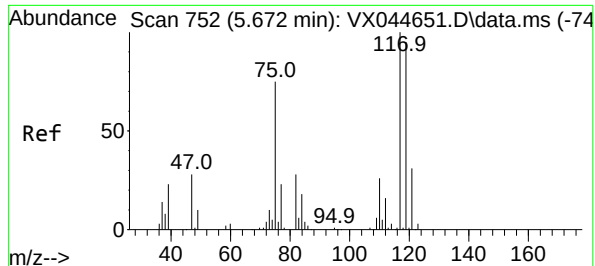
Ion Ratio Lower Upper

43 100

61 7.9 10.9 16.3#

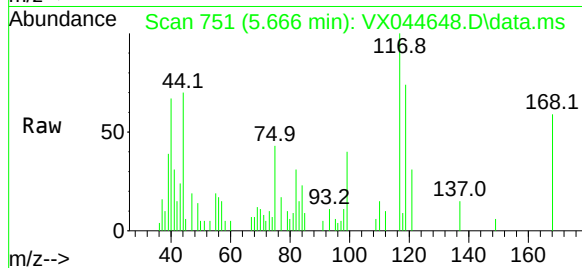
70 16.0 10.1 15.1#





#38
Carbon Tetrachloride
Concen: 1.177 ug/l
RT: 5.666 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

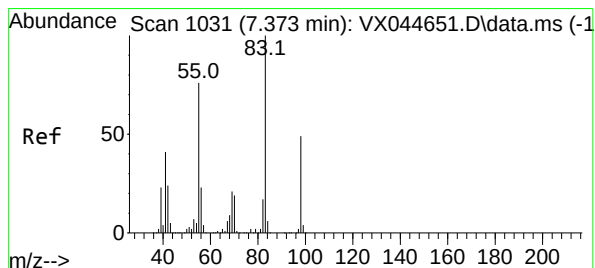
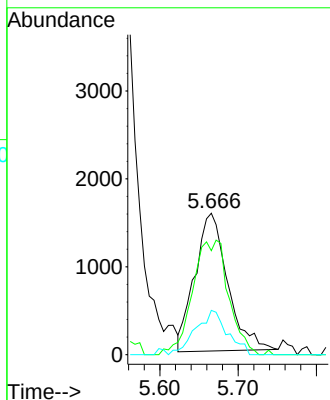
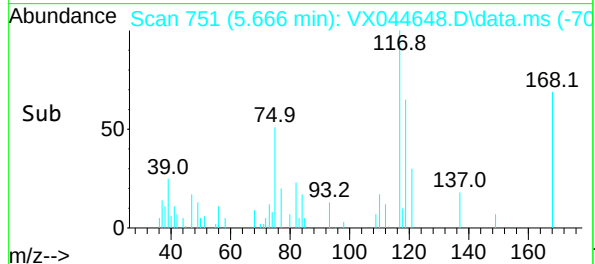
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 117 Resp: 4558
Ion Ratio Lower Upper
117 100
119 76.4 76.0 114.0
121 32.5 24.6 36.8

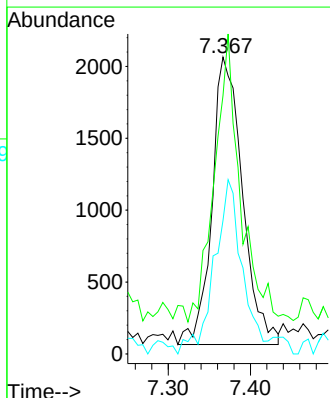
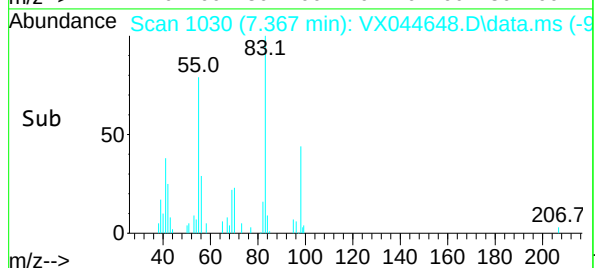
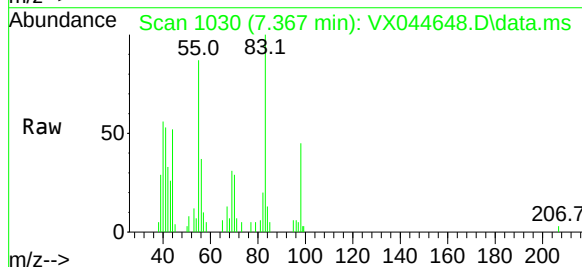
Manual Integrations
APPROVED

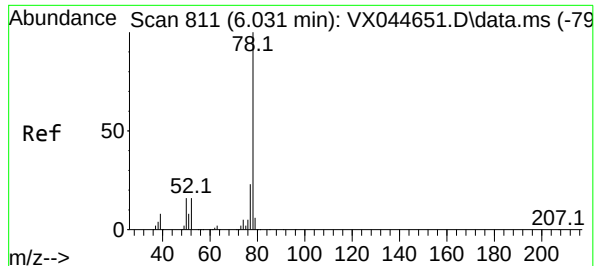
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#39
Methylcyclohexane
Concen: 1.128 ug/l
RT: 7.367 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 83 Resp: 5156
Ion Ratio Lower Upper
83 100
55 76.8 60.5 90.7
98 46.4 39.0 58.4





#40

Benzene

Concen: 1.107 ug/l

RT: 6.025 min Scan# 811

Delta R.T. -0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 1181

Ion Ratio Lower Upper

78 100

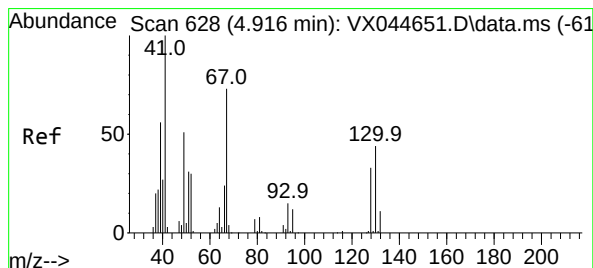
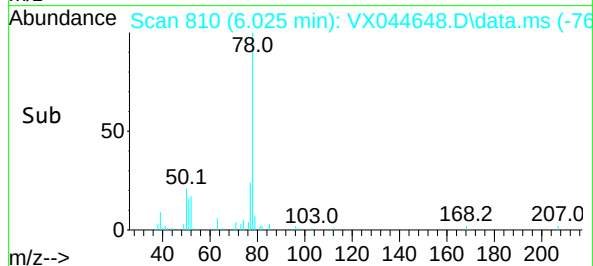
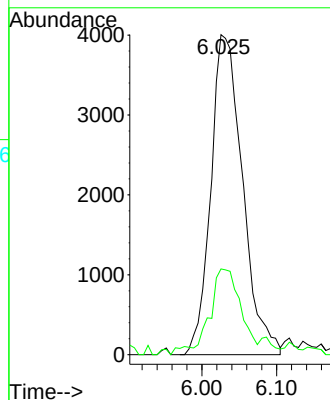
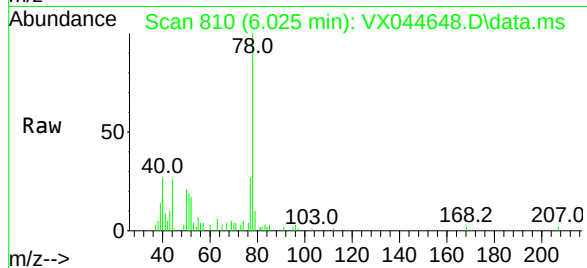
77 25.1 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#41

Methacrylonitrile

Concen: 1.146 ug/l m

RT: 4.928 min Scan# 630

Delta R.T. 0.012 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Tgt Ion: 41 Resp: 2415

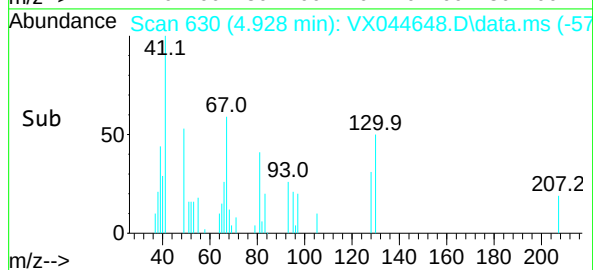
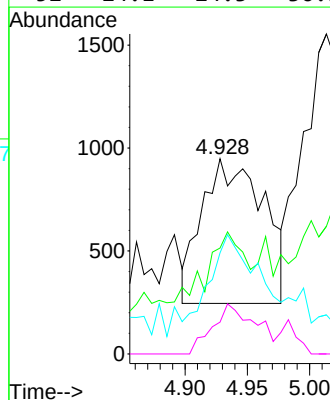
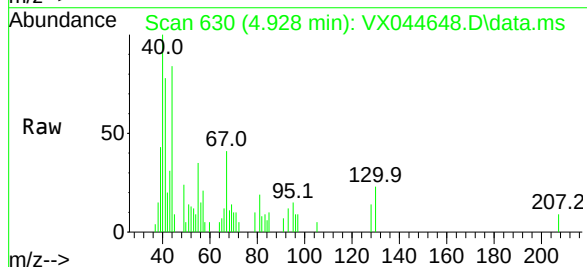
Ion Ratio Lower Upper

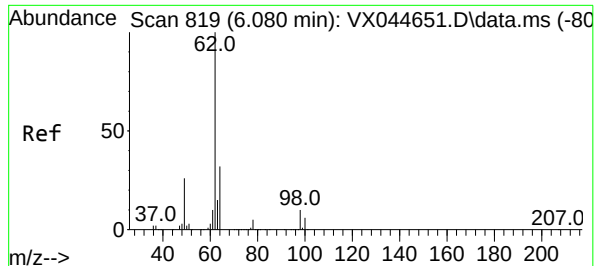
41 100

39 28.4 44.4 66.6#

67 60.1 60.6 90.8#

52 24.1 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 1.104 ug/l

RT: 6.092 min Scan# 819

Delta R.T. 0.012 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 62 Resp: 4299

Ion Ratio Lower Upper

62 100

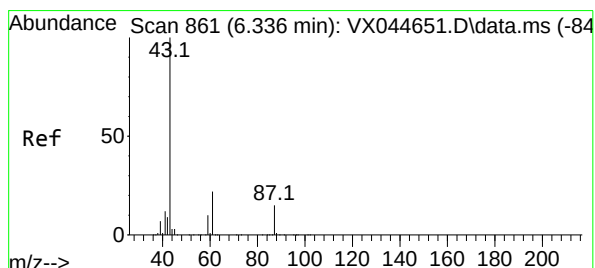
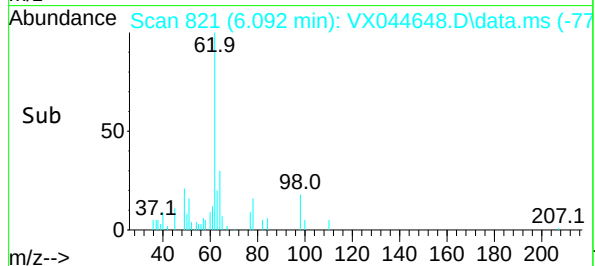
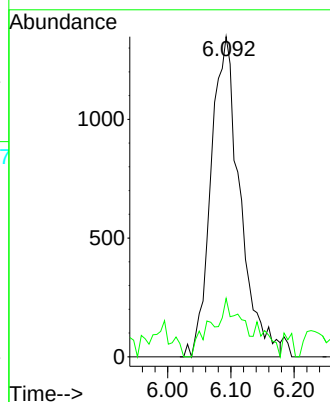
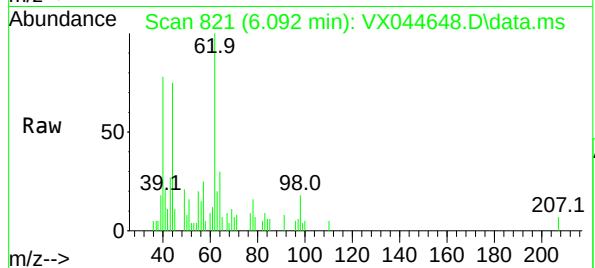
98 13.1 0.0 19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#43

Isopropyl Acetate

Concen: 1.132 ug/l

RT: 6.355 min Scan# 864

Delta R.T. 0.018 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

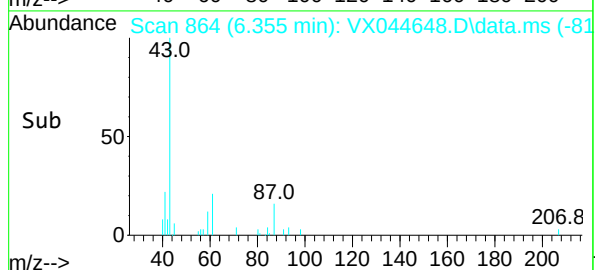
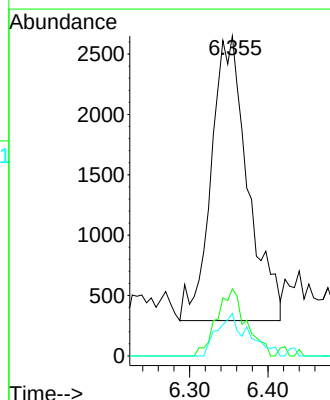
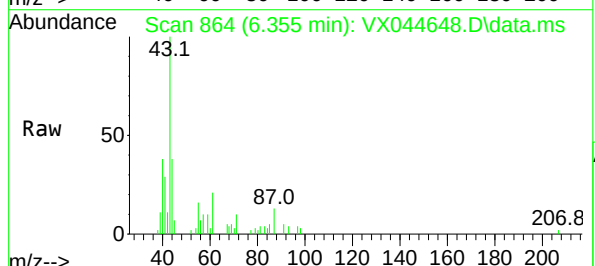
Tgt Ion: 43 Resp: 7640

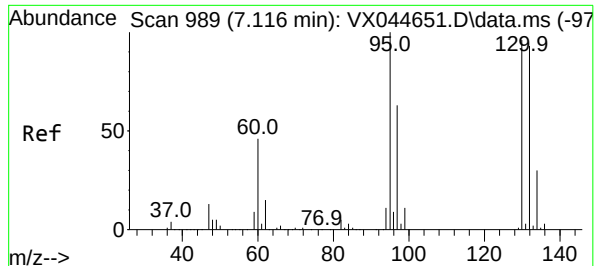
Ion Ratio Lower Upper

43 100

61 18.9 16.6 24.8

87 12.6 11.0 16.6





#44

Trichloroethene

Concen: 1.026 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:130 Resp: 263

Ion Ratio Lower Upper

130 100

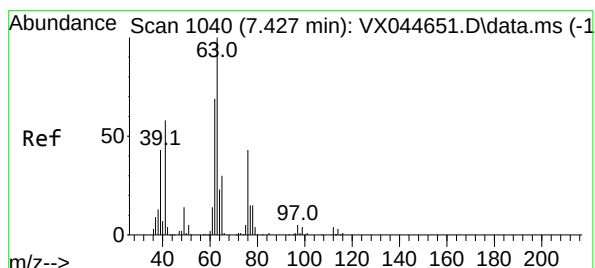
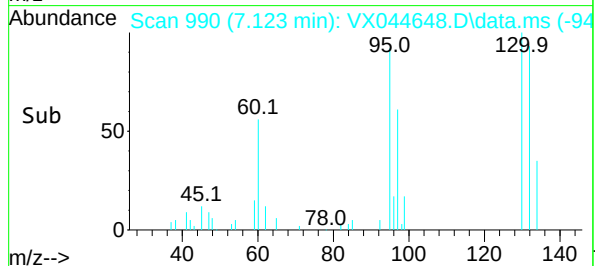
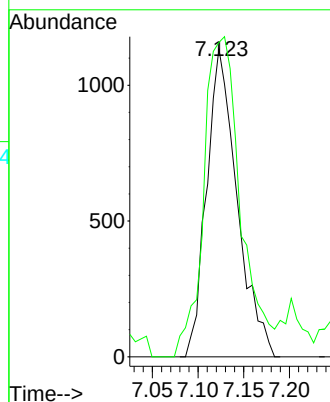
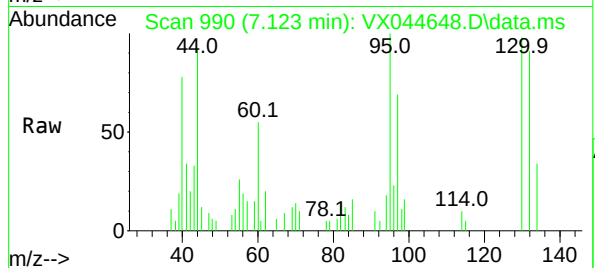
95 95.2 0.0 208.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#45

1,2-Dichloropropane

Concen: 1.064 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VX044648.D

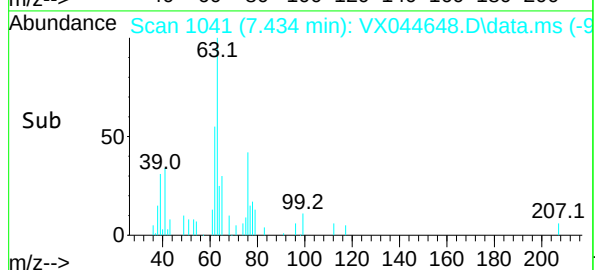
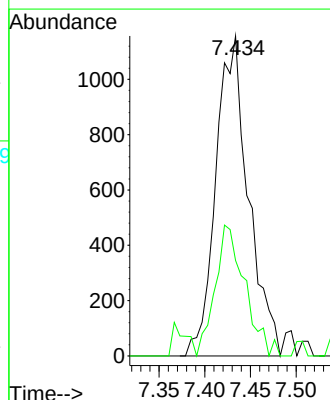
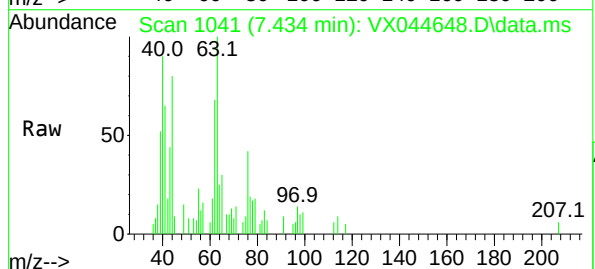
Acq: 15 Jan 2025 10:31

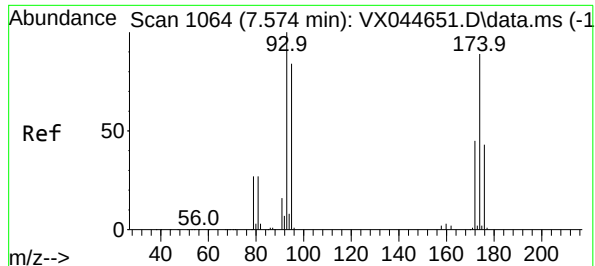
Tgt Ion: 63 Resp: 2857

Ion Ratio Lower Upper

63 100

65 29.8 24.2 36.2





#46

Dibromomethane

Concen: 1.143 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

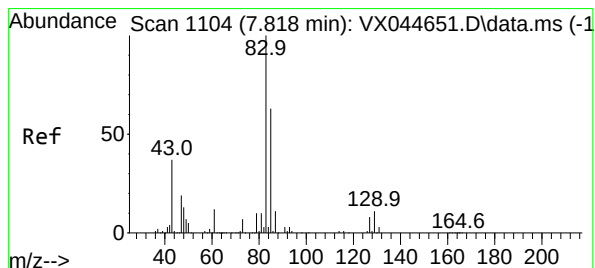
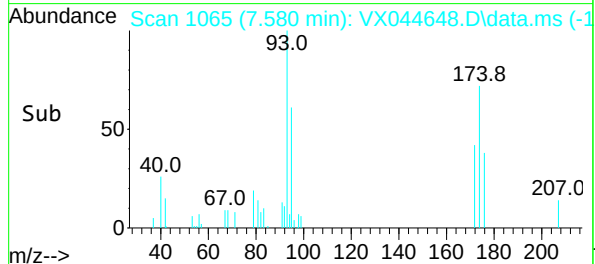
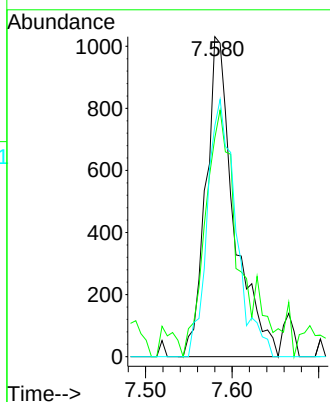
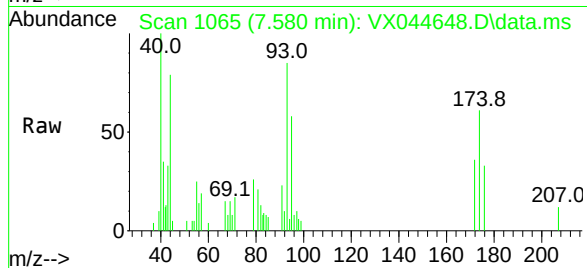
VSTDIC001

Tgt Ion:	93	Resp:	233
Ion	Ratio	Lower	Upper
93	100		
95	81.0	66.4	99.6
174	81.3	72.0	108.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#47

Bromodichloromethane

Concen: 1.177 ug/l

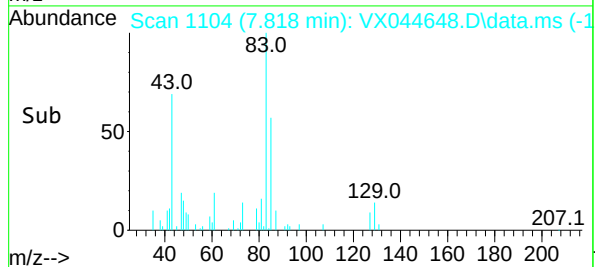
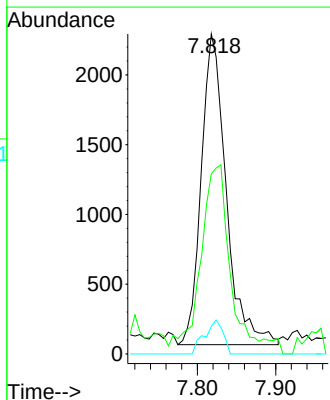
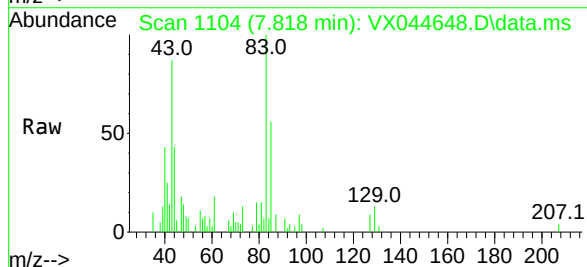
RT: 7.818 min Scan# 1104

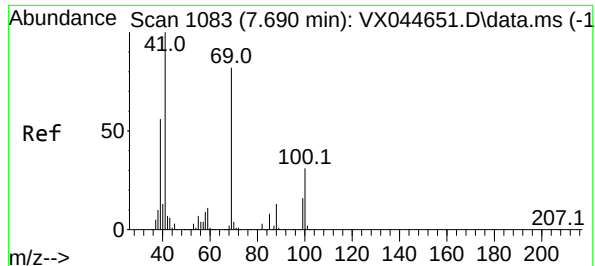
Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Tgt Ion:	83	Resp:	4937
Ion	Ratio	Lower	Upper
83	100		
85	53.1	50.1	75.1
127	8.8	6.5	9.7





#48

Methyl methacrylate

Concen: 0.967 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.012 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

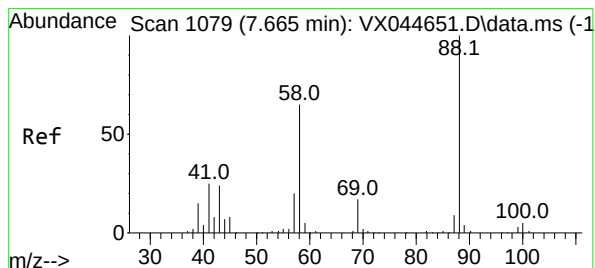
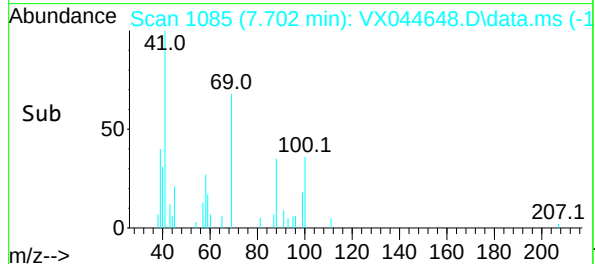
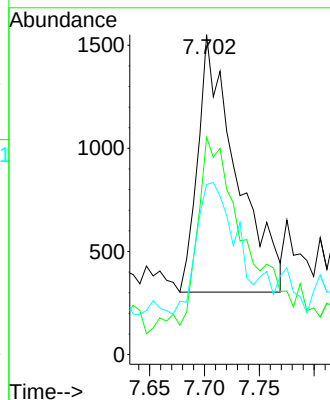
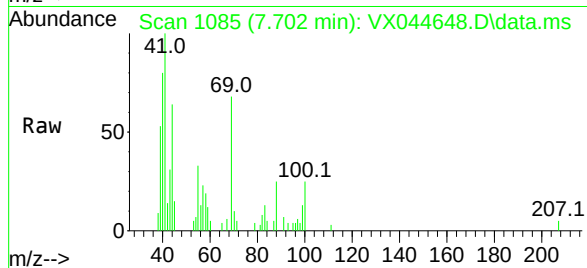
Tgt Ion:	41	Resp:	3029
Ion	Ratio	Lower	Upper
41	100		
69	91.2	66.8	100.2
39	51.7	47.4	71.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#49

1,4-Dioxane

Concen: 22.727 ug/l

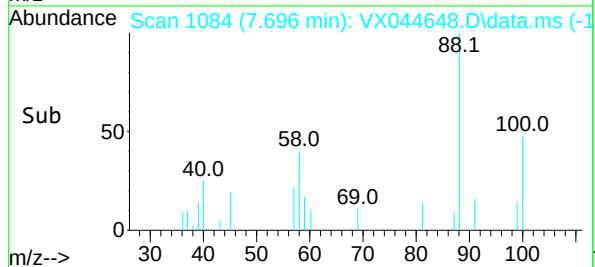
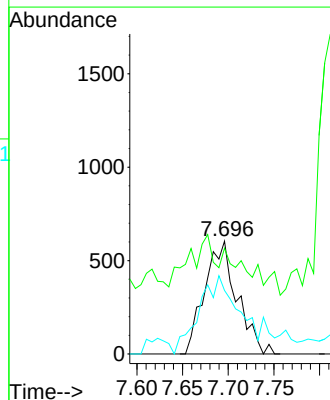
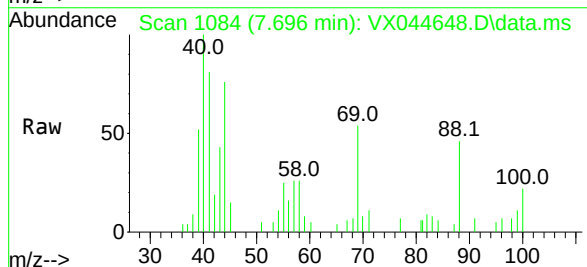
RT: 7.696 min Scan# 1084

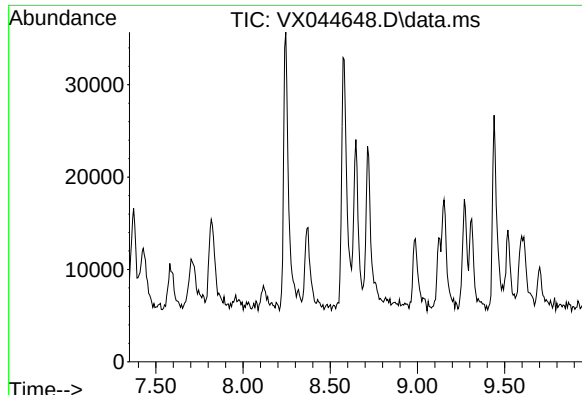
Delta R.T. 0.031 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Tgt Ion:	88	Resp:	1485
Ion	Ratio	Lower	Upper
88	100		
43	33.9	27.0	40.4
58	85.0	55.8	83.8





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

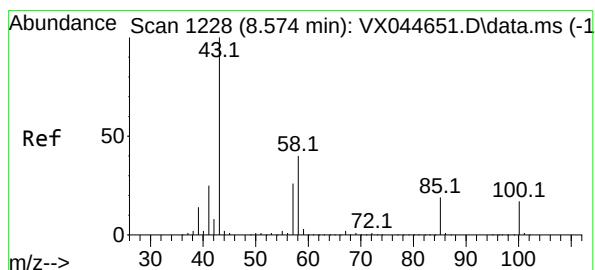
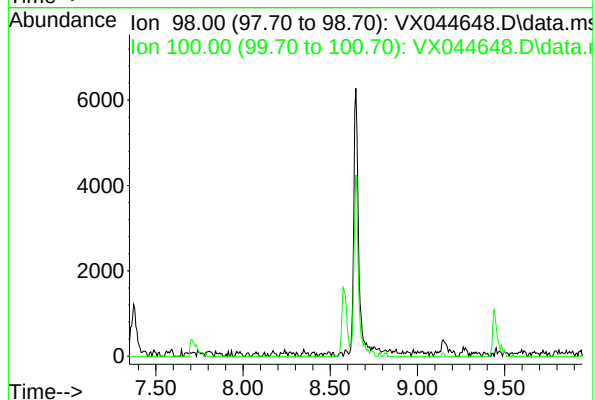
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 98
Sig Exp Ratio
98 100
100 66.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

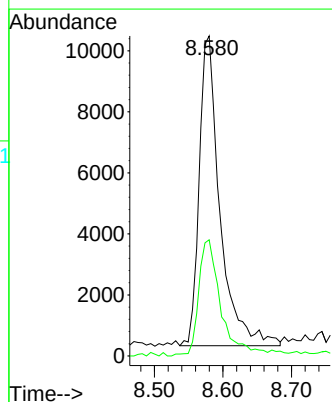
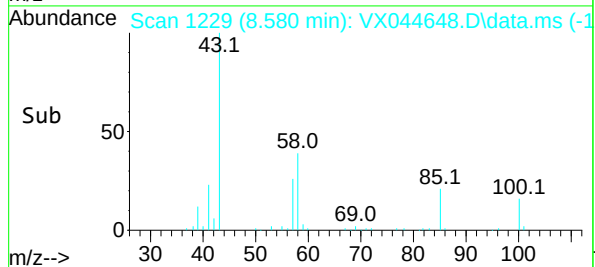
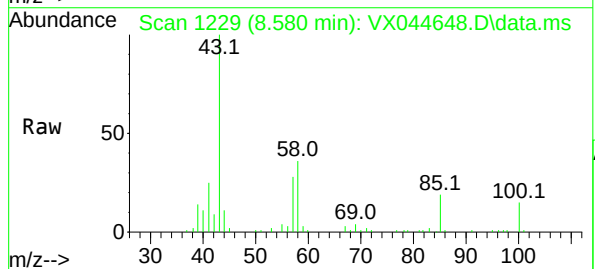
Manual Integrations
APPROVED

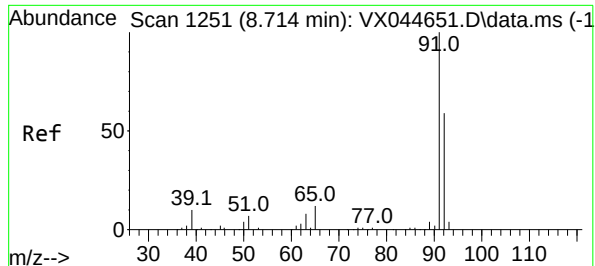
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#51
4-Methyl-2-Pentanone
Concen: 5.736 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 43 Resp: 21388
Ion Ratio Lower Upper
43 100
58 40.0 31.9 47.9





#52

Toluene

Concen: 1.122 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 733

Ion Ratio Lower Upper

92 100

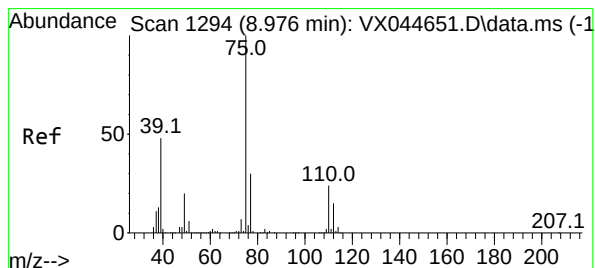
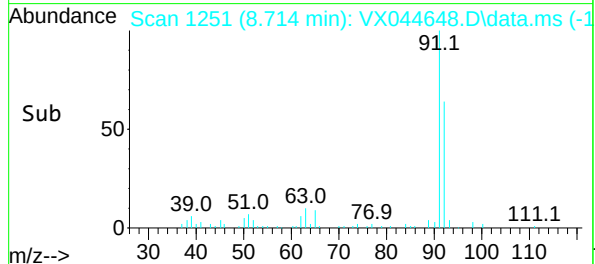
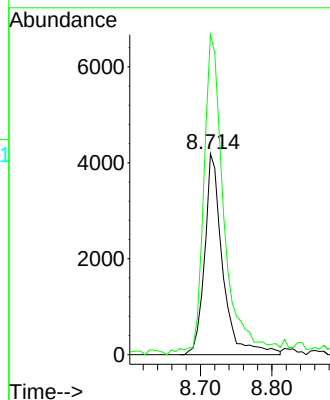
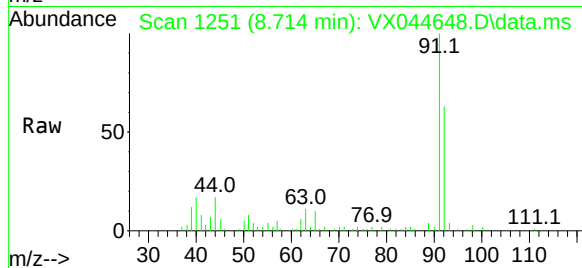
91 178.6 135.7 203.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#53

t-1,3-Dichloropropene

Concen: 1.038 ug/l

RT: 8.982 min Scan# 1295

Delta R.T. 0.006 min

Lab File: VX044648.D

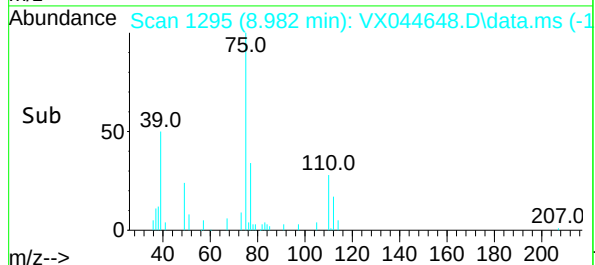
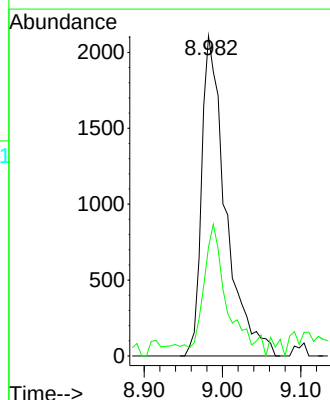
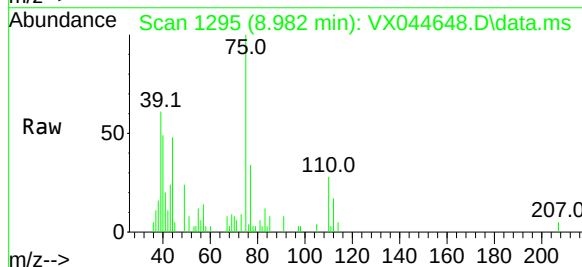
Acq: 15 Jan 2025 10:31

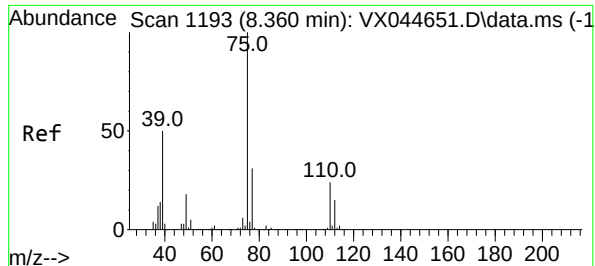
Tgt Ion: 75 Resp: 4499

Ion Ratio Lower Upper

75 100

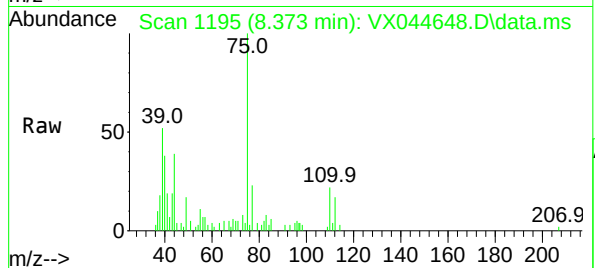
77 31.1 24.4 36.6





#54
cis-1,3-Dichloropropene
Concen: 1.134 ug/l
RT: 8.373 min Scan# 1195
Delta R.T. 0.012 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

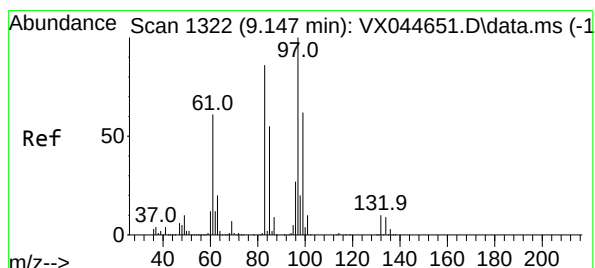
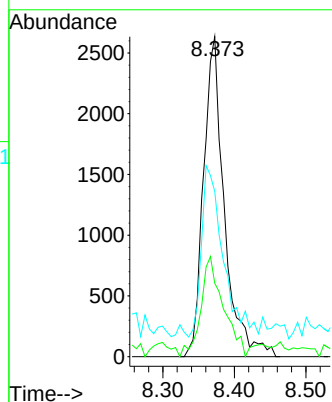
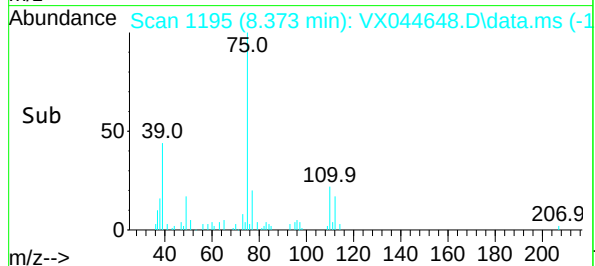
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion: 75 Resp: 5328
Ion Ratio Lower Upper
75 100
77 23.0 25.1 37.7
39 42.1 40.3 60.5

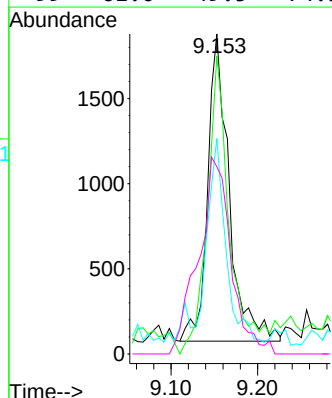
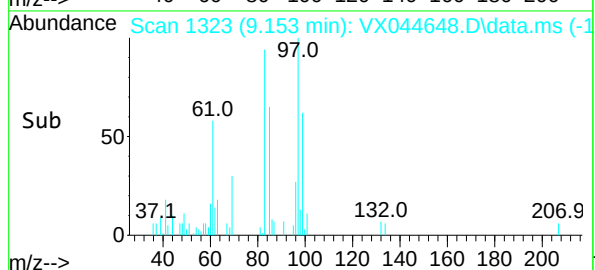
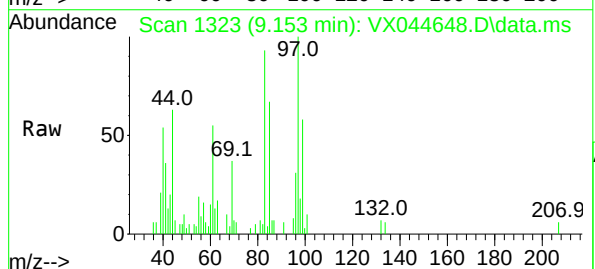
Manual Integrations
APPROVED

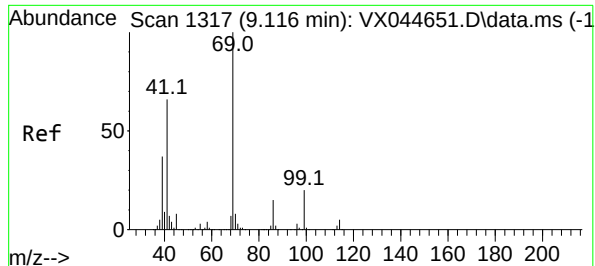
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#55
1,1,2-Trichloroethane
Concen: 1.182 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 97 Resp: 3124
Ion Ratio Lower Upper
97 100
83 97.1 68.8 103.2
85 63.4 43.7 65.5
99 61.0 49.5 74.3





#56

Ethyl methacrylate

Concen: 1.099 ug/l

RT: 9.122 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

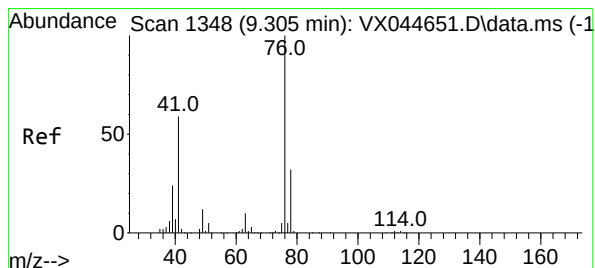
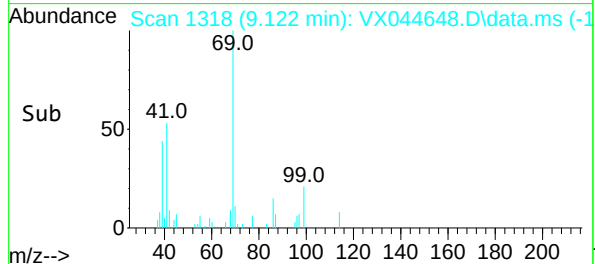
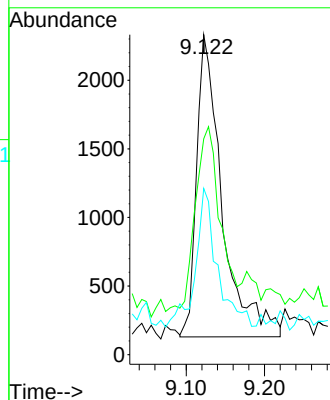
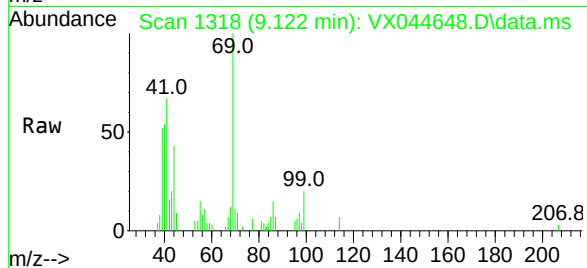
Tgt Ion:	69	Resp:	4994
Ion	Ratio	Lower	Upper
69	100		
41	56.4	53.2	79.8
39	41.7	30.2	45.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#57

1,3-Dichloropropane

Concen: 1.128 ug/l

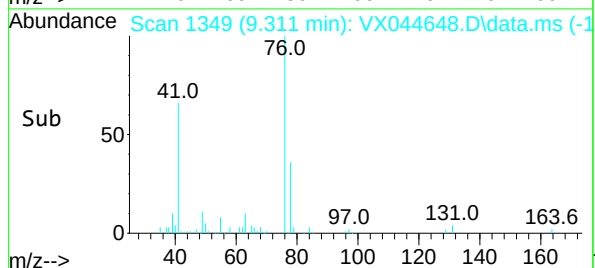
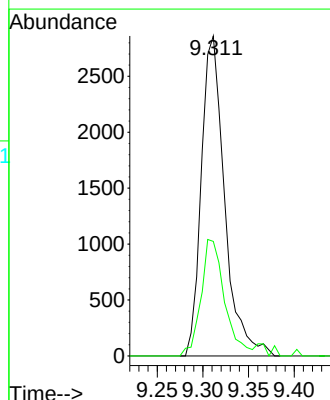
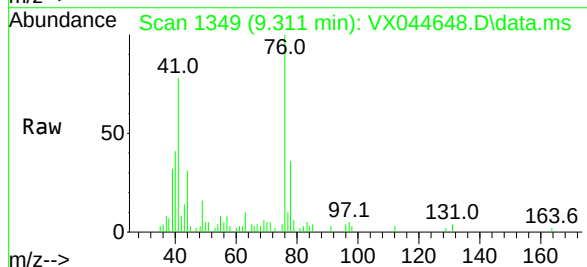
RT: 9.311 min Scan# 1349

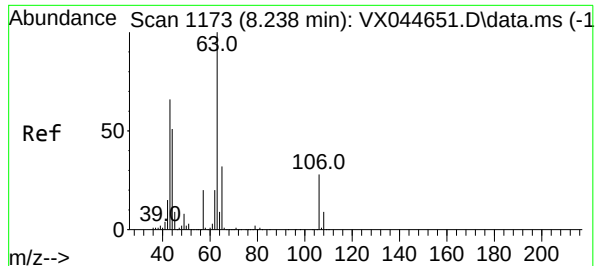
Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Tgt Ion:	76	Resp:	5078
Ion	Ratio	Lower	Upper
76	100		
78	36.9	26.0	39.0





#58

2-Chloroethyl Vinyl ether

Concen: 6.581 ug/l

RT: 8.245 min Scan# 1173

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 63 Resp: 1468

Ion Ratio Lower Upper

63 100

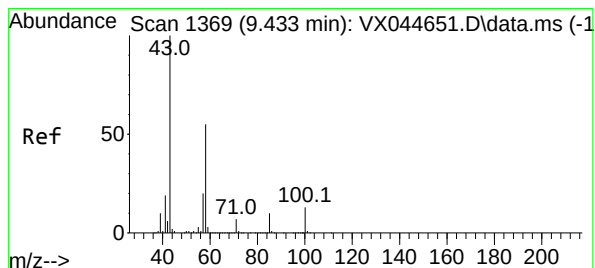
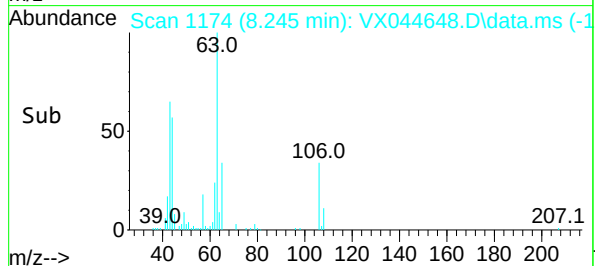
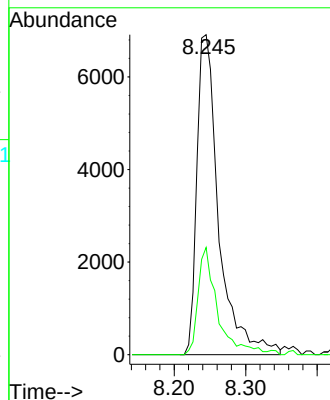
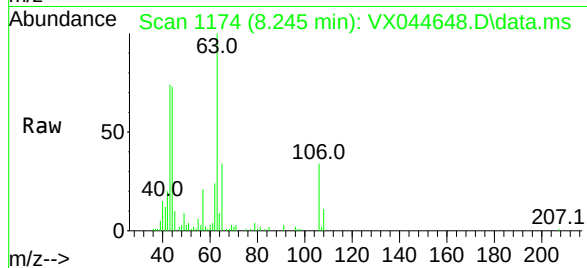
106 29.8 23.0 34.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#59

2-Hexanone

Concen: 5.643 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VX044648.D

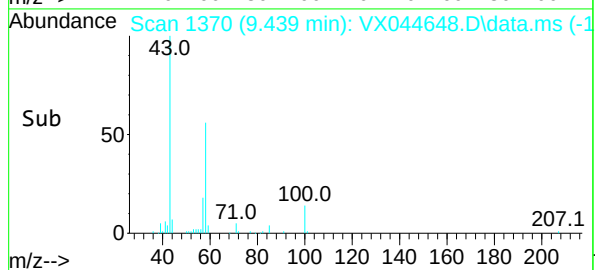
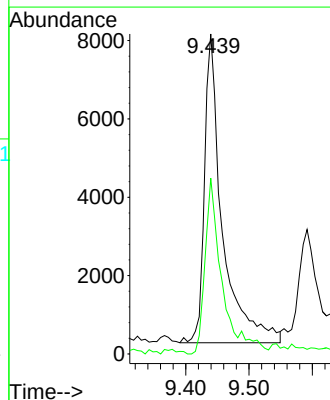
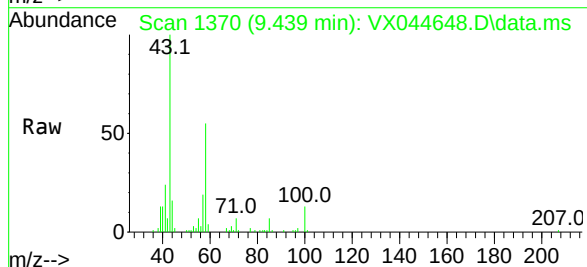
Acq: 15 Jan 2025 10:31

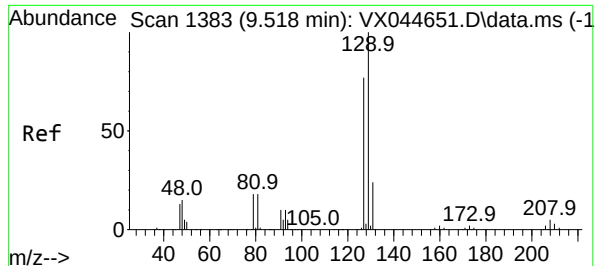
Tgt Ion: 43 Resp: 15480

Ion Ratio Lower Upper

43 100

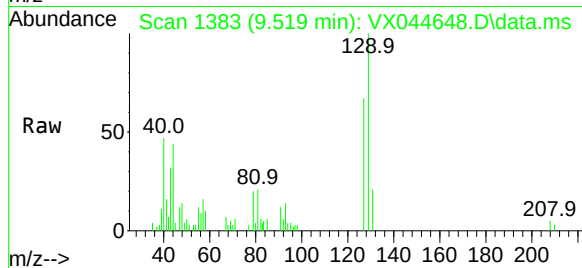
58 54.4 27.8 83.3





#60
Dibromochloromethane
Concen: 1.127 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

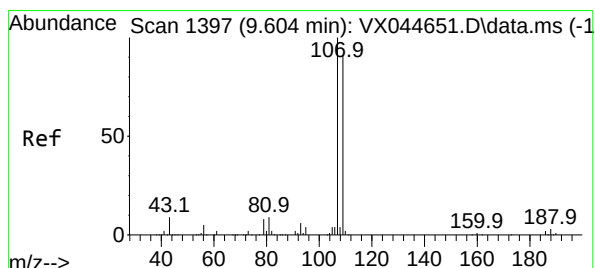
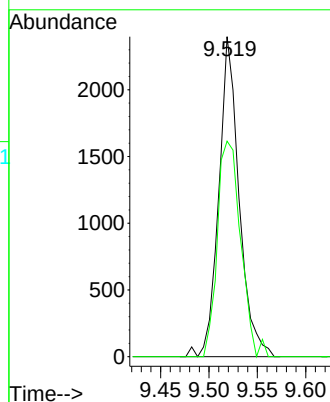
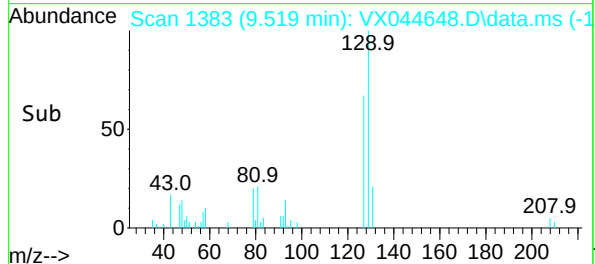
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion:129 Resp: 349
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5

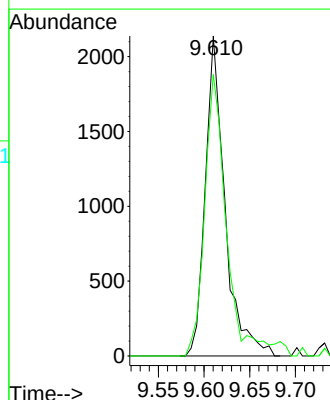
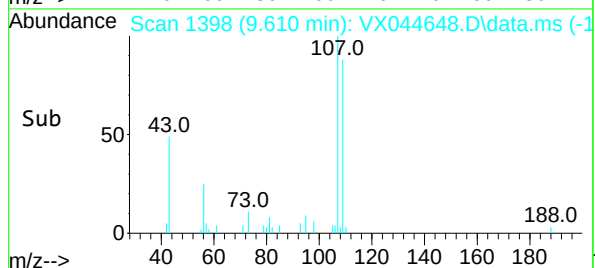
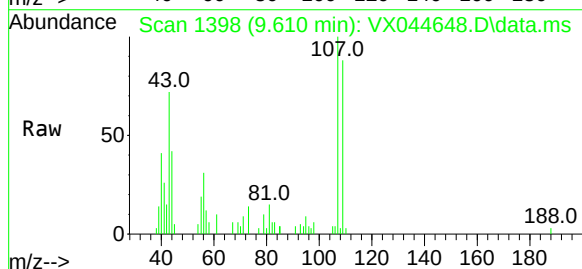
Manual Integrations
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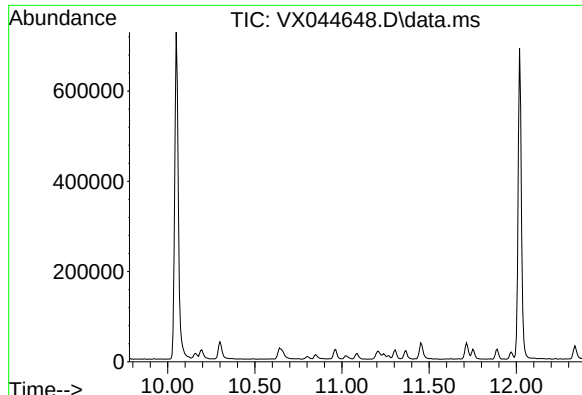
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#61
1,2-Dibromoethane
Concen: 1.155 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:107 Resp: 3200
Ion Ratio Lower Upper
107 100
109 98.2 75.3 112.9





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

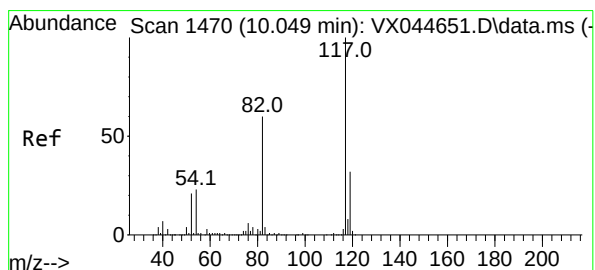
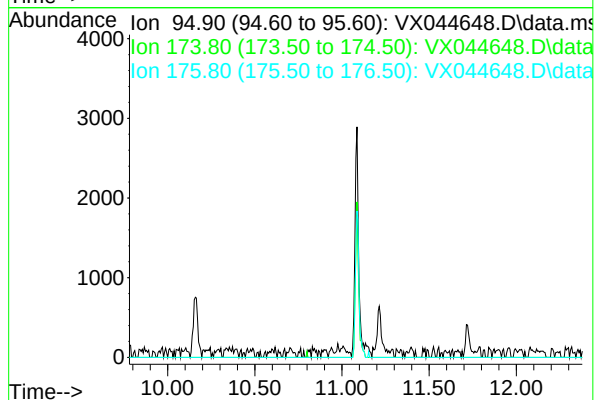
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 95
Sig Exp Ratio
95 100
174 66.5
176 64.7

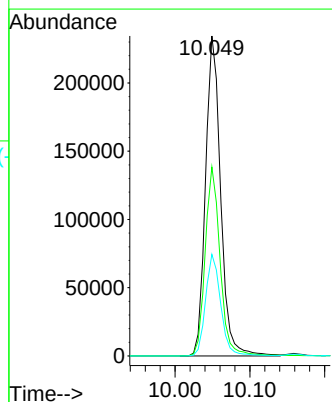
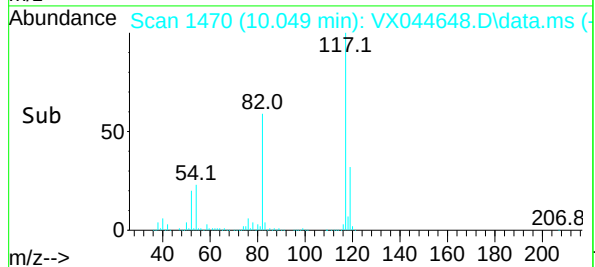
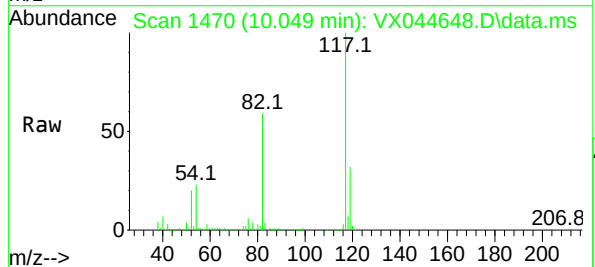
Manual Integrations
APPROVED

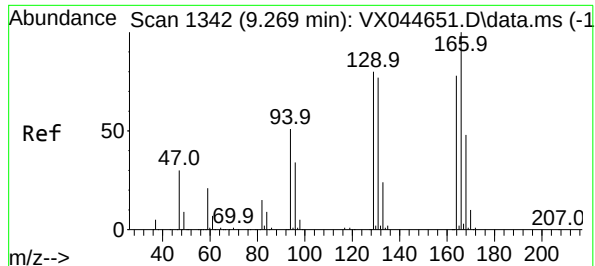
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

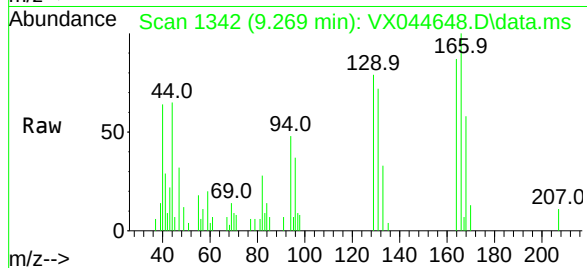
Tgt Ion:117 Resp: 329917
Ion Ratio Lower Upper
117 100
82 59.0 47.6 71.4
119 31.7 25.4 38.2





#64
Tetrachloroethene
Concen: 1.101 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

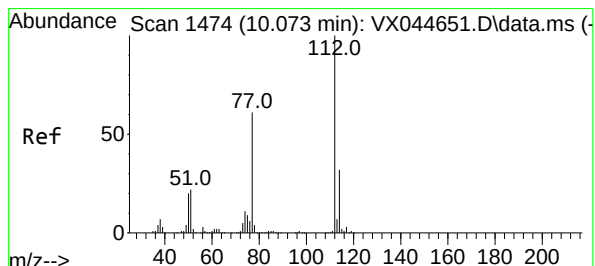
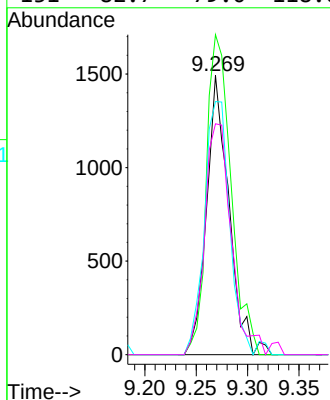
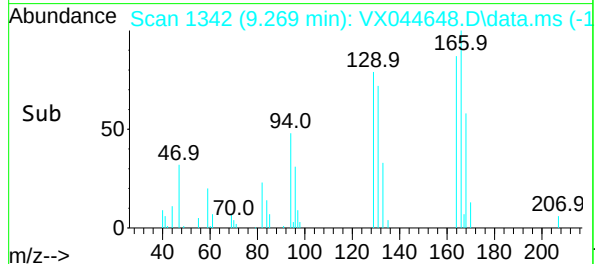
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion:164 Resp: 2280
Ion Ratio Lower Upper
164 100
166 114.6 102.0 153.0
129 90.7 81.1 121.7
131 82.7 79.0 118.6

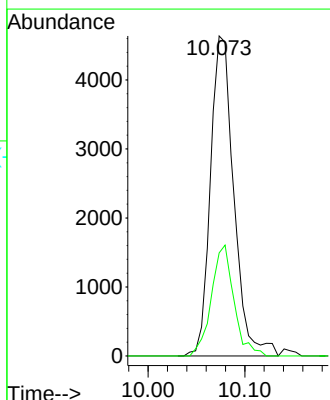
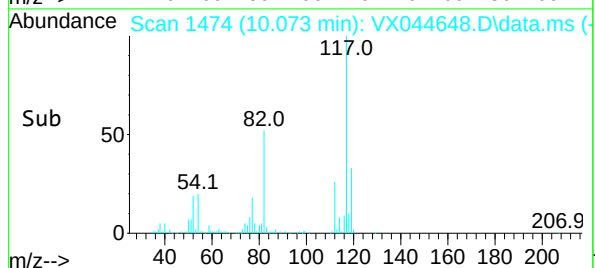
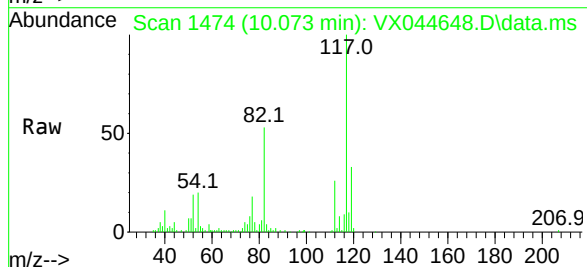
Manual Integrations
APPROVED

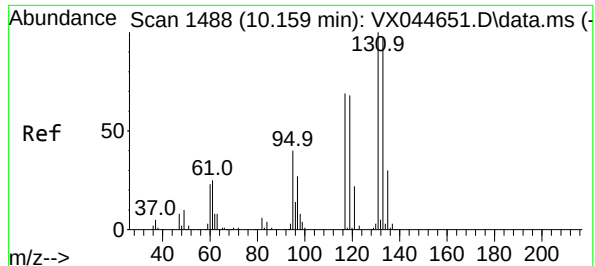
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#65
Chlorobenzene
Concen: 1.109 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

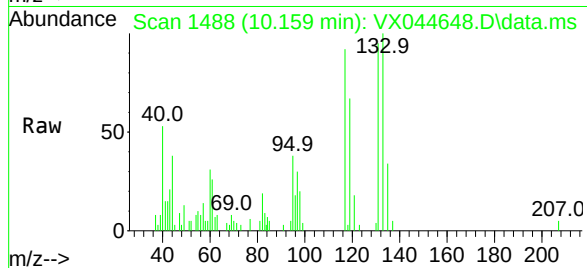
Tgt Ion:112 Resp: 7770
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9





#66
1,1,1,2-Tetrachloroethane
Concen: 1.087 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

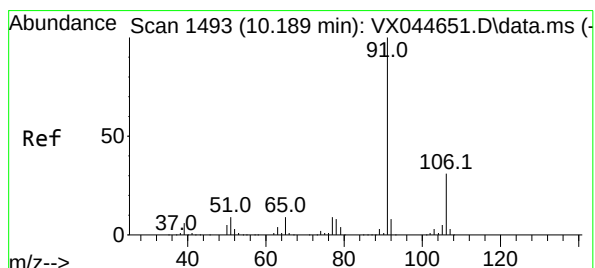
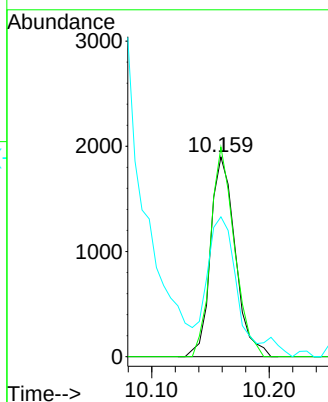
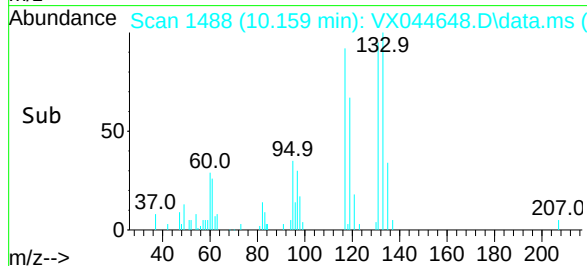
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion:131 Resp: 2769
Ion Ratio Lower Upper
131 100
133 100.8 47.8 143.3
119 0.0 33.4 100.2

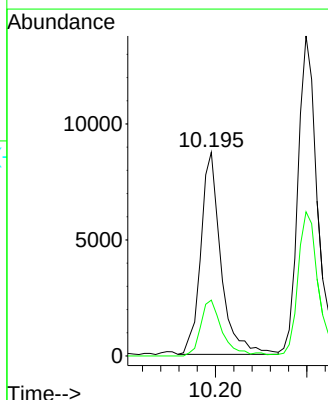
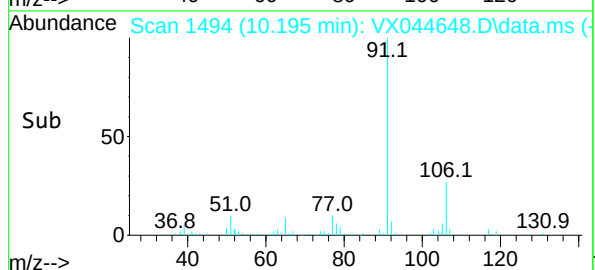
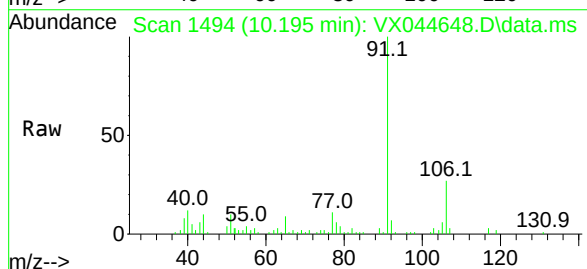
Manual Integrations
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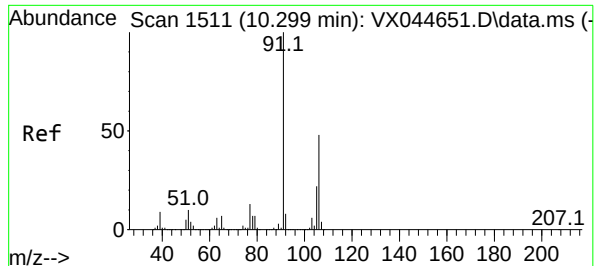
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#67
Ethyl Benzene
Concen: 1.093 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

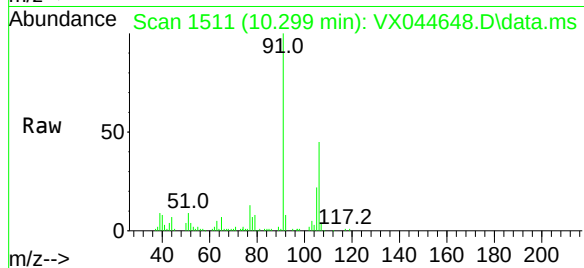
Tgt Ion: 91 Resp: 13366
Ion Ratio Lower Upper
91 100
106 27.6 25.0 37.6





#68
m/p-Xylenes
Concen: 2.244 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

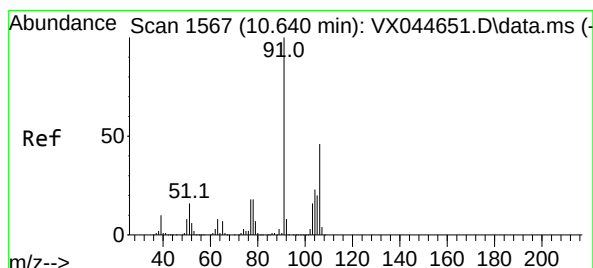
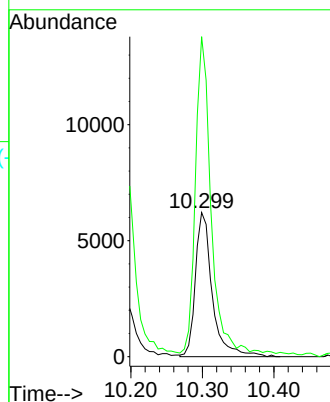
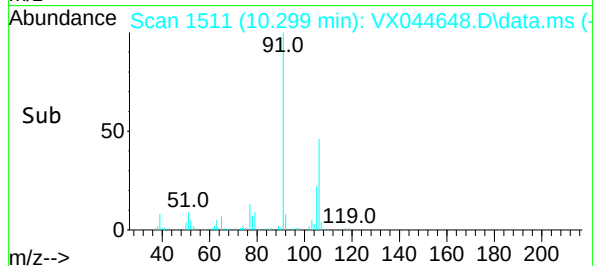
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion:106 Resp: 10180
Ion Ratio Lower Upper
106 100
91 207.4 166.4 249.6

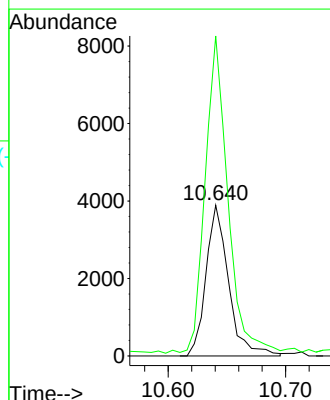
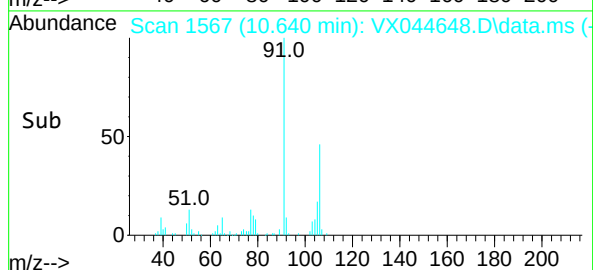
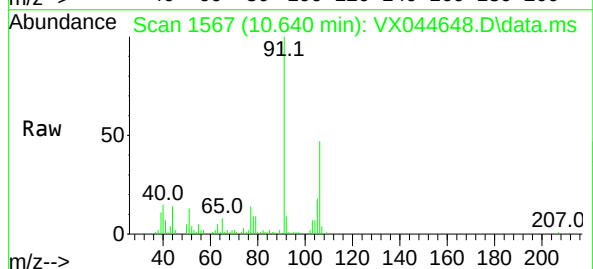
Manual Integrations
APPROVED

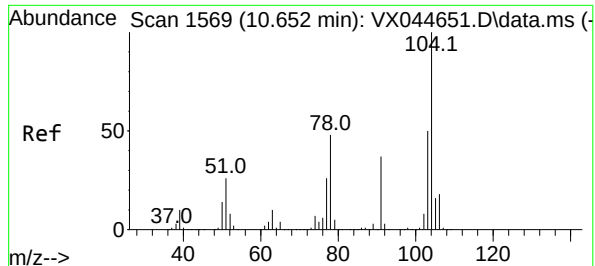
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#69
o-Xylene
Concen: 1.132 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

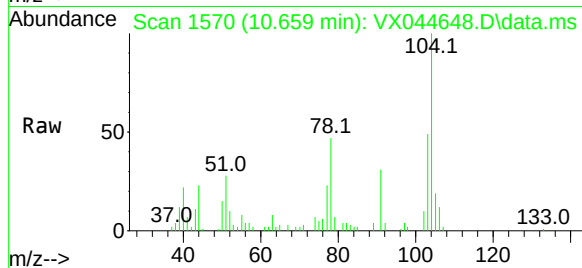
Tgt Ion:106 Resp: 5193
Ion Ratio Lower Upper
106 100
91 213.5 108.7 326.3





#70
Styrene
Concen: 1.044 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

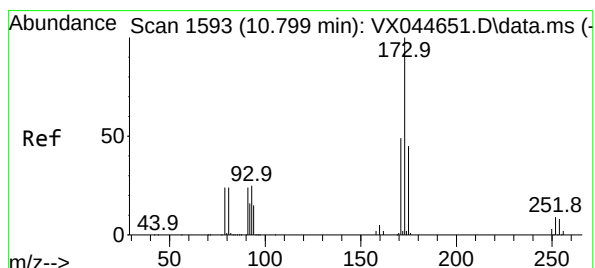
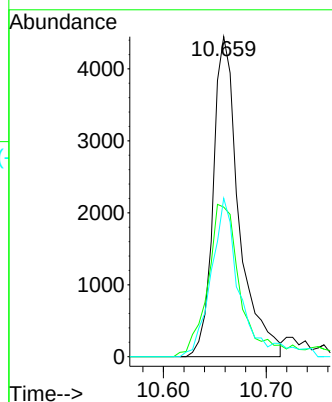
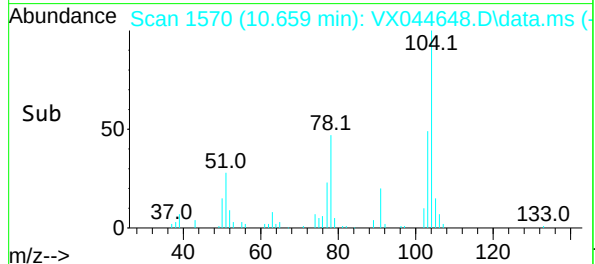
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion:104 Resp: 7732
Ion Ratio Lower Upper
104 100
78 61.6 43.0 64.6
103 56.1 43.4 65.2

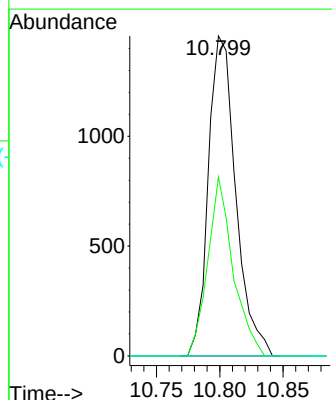
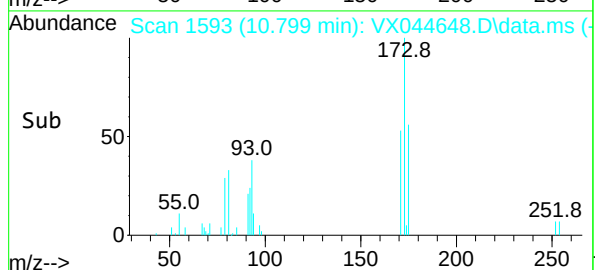
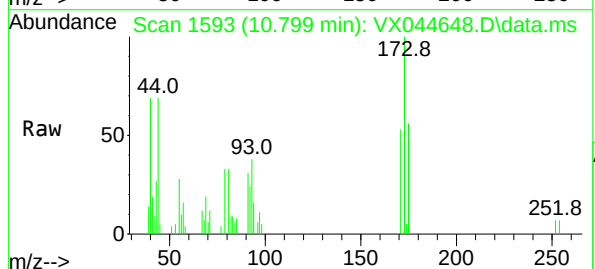
Manual Integrations
APPROVED

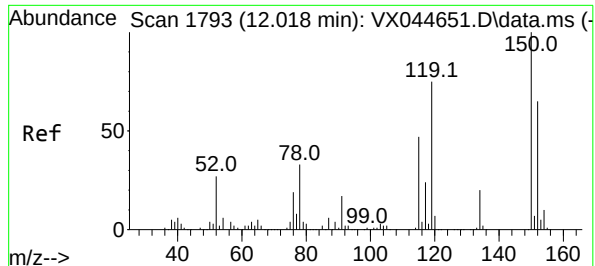
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#71
Bromoform
Concen: 1.058 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

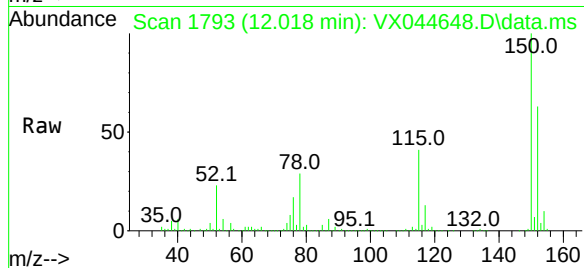
Tgt Ion:173 Resp: 2194
Ion Ratio Lower Upper
173 100
175 51.7 23.6 70.8
254 0.0 0.1 0.1#





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

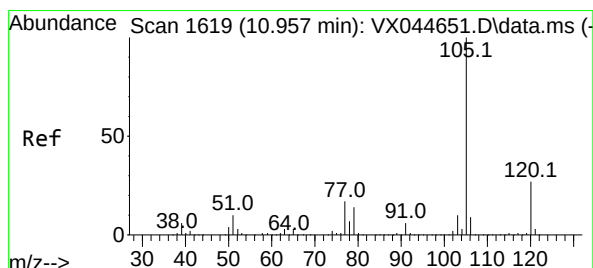
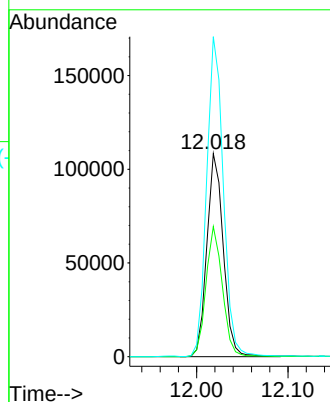
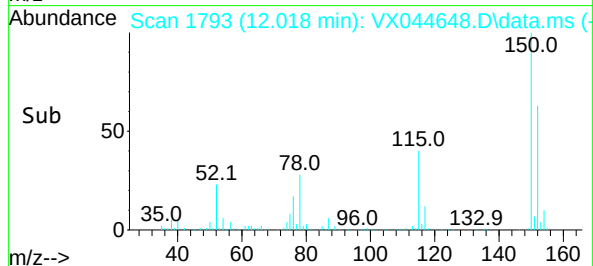
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



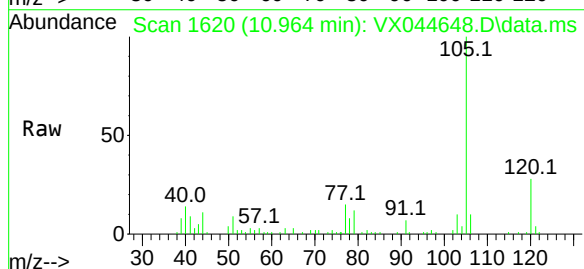
Tgt Ion:152 Resp: 135288
Ion Ratio Lower Upper
152 100
115 64.1 43.8 131.4
150 159.9 0.0 347.8

Manual Integrations
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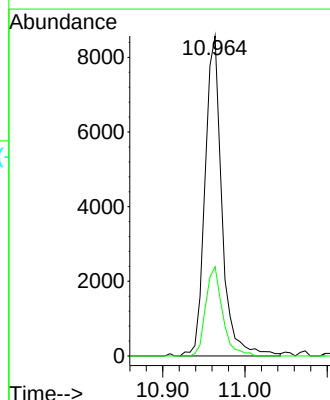
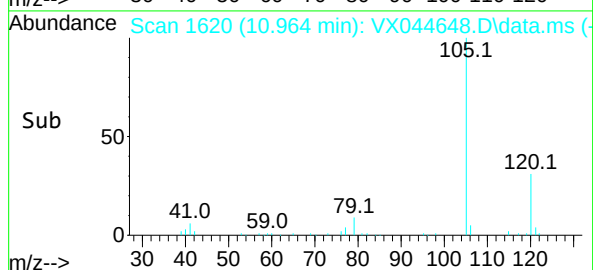
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

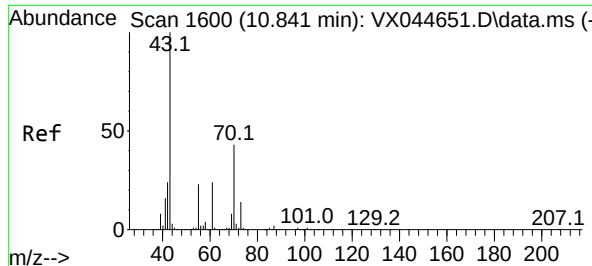


#73
Isopropylbenzene
Concen: 1.105 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31



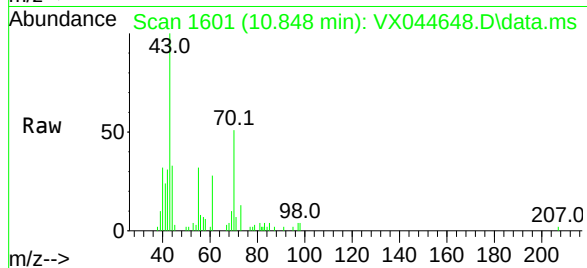
Tgt Ion:105 Resp: 12214
Ion Ratio Lower Upper
105 100
120 27.8 13.2 39.6





#74
N-amy1 acetate
Concen: 1.107 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

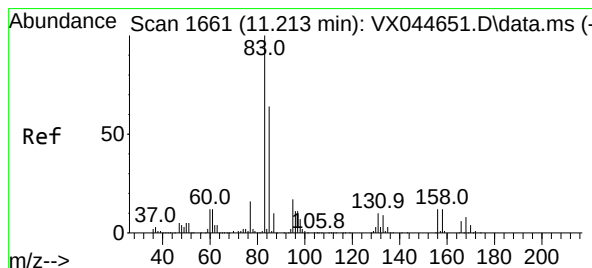
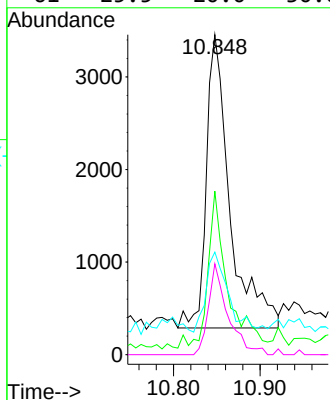
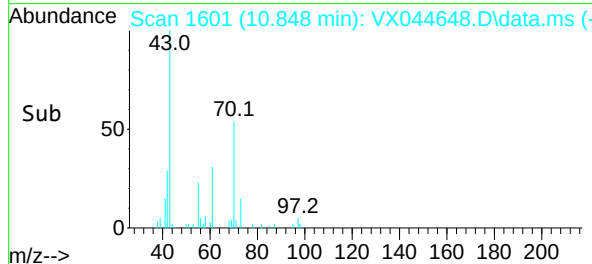
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 43 Resp: 6028
Ion Ratio Lower Upper
43 100
70 41.6 35.2 52.8
55 25.6 19.0 28.4
61 25.5 20.0 30.0

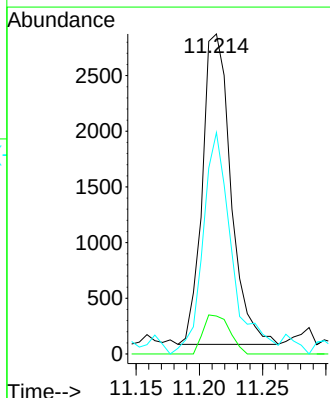
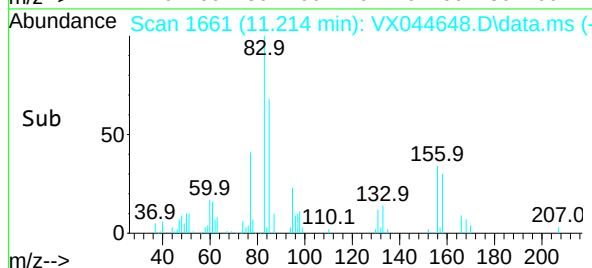
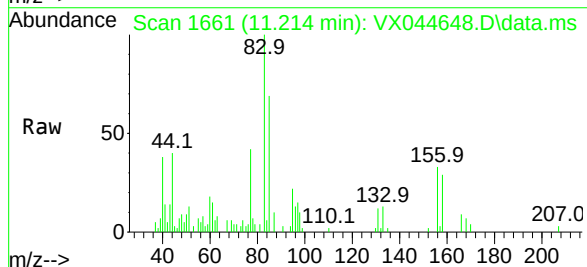
Manual Integrations
APPROVED

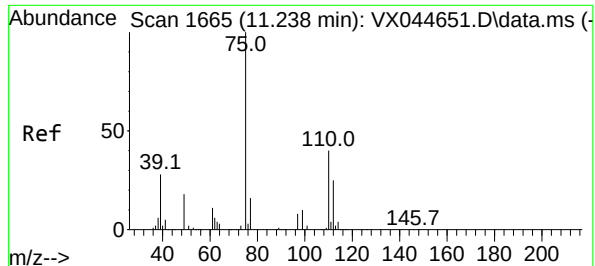
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#75
1,1,2,2-Tetrachloroethane
Concen: 1.147 ug/l
RT: 11.214 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

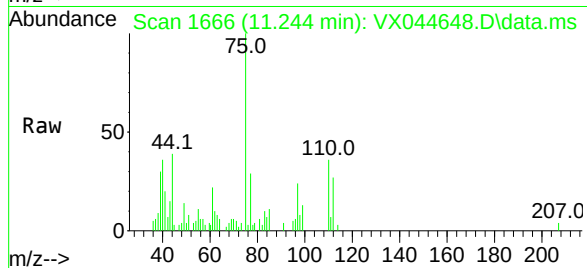
Tgt Ion: 83 Resp: 4377
Ion Ratio Lower Upper
83 100
131 11.7 5.0 14.9
85 72.0 32.0 96.2





#76
1,2,3-Trichloropropane
Concen: 1.119 ug/l m
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

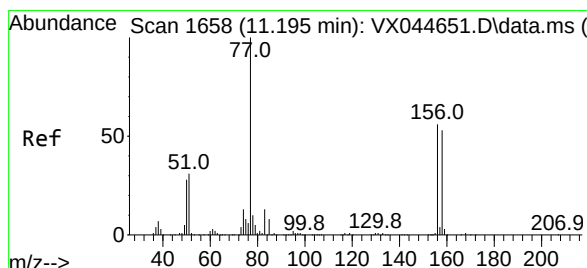
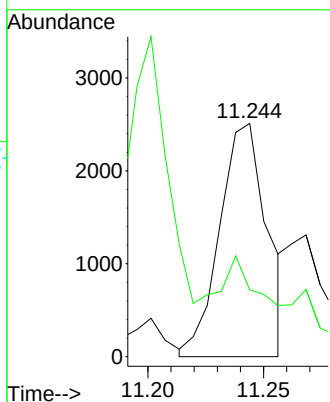
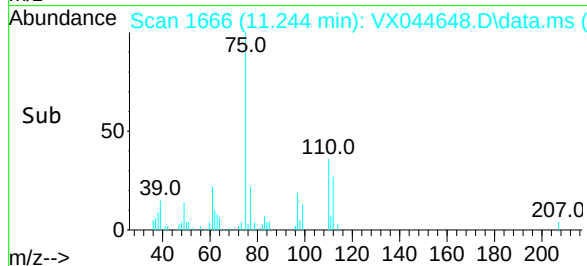
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 75 Resp: 3574
Ion Ratio Lower Upper
75 100
77 56.8 23.4 70.2

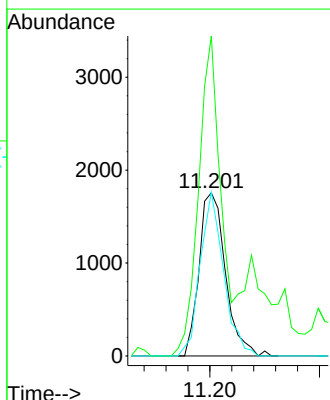
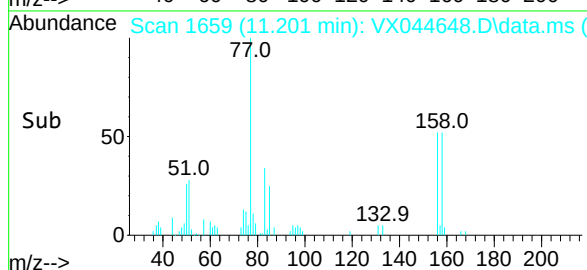
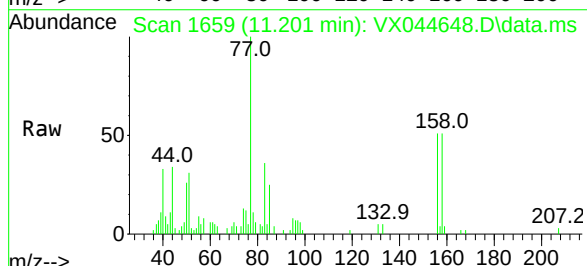
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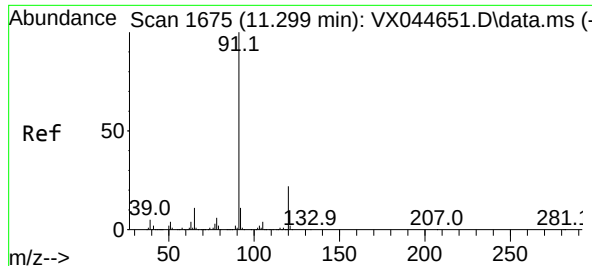
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#77
Bromobenzene
Concen: 1.137 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

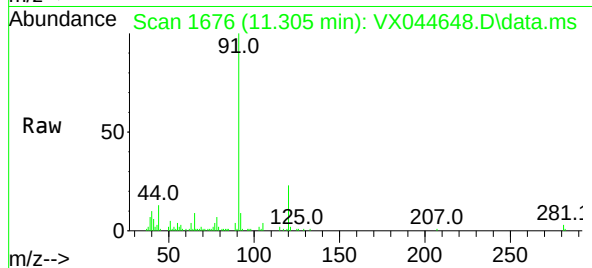
Tgt Ion:156 Resp: 2937
Ion Ratio Lower Upper
156 100
77 170.8 90.3 271.0
158 89.3 48.4 145.3





#78
n-propylbenzene
Concen: 1.088 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

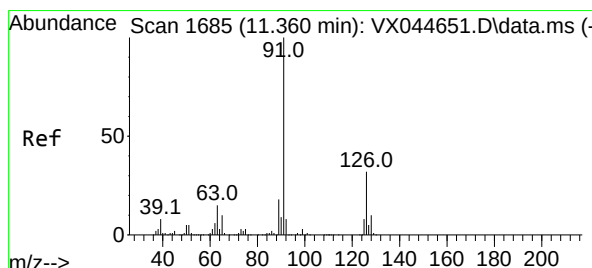
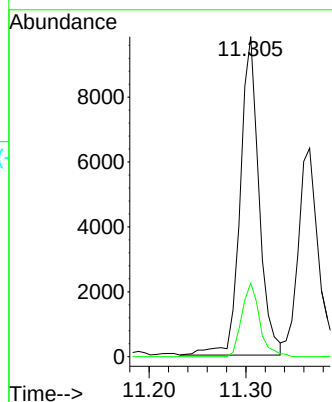
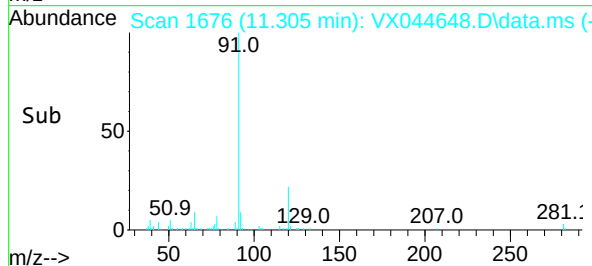
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 91 Resp: 13264
Ion Ratio Lower Upper
91 100
120 21.9 11.4 34.1

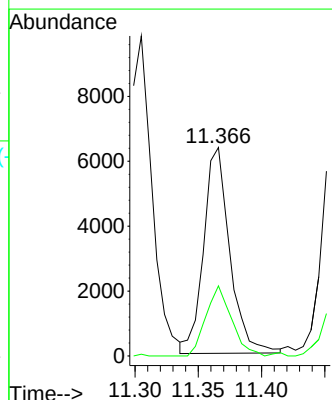
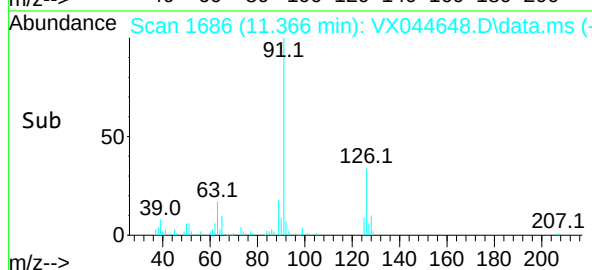
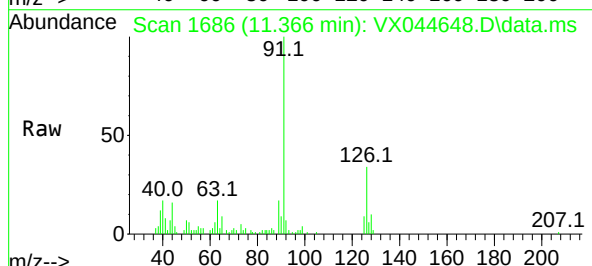
Manual Integrations
APPROVED

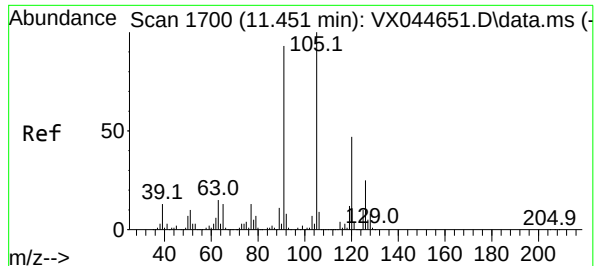
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#79
2-Chlorotoluene
Concen: 1.163 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 91 Resp: 9159
Ion Ratio Lower Upper
91 100
126 33.2 16.2 48.5





#80

1,3,5-Trimethylbenzene

Concen: 1.115 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 1003

Ion Ratio Lower Upper

105 100

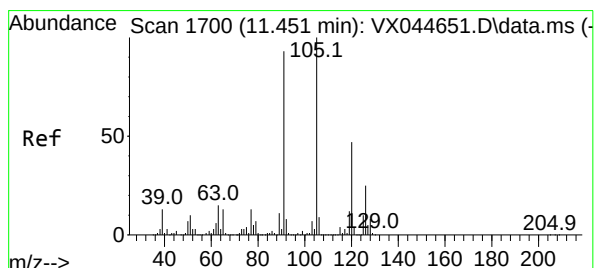
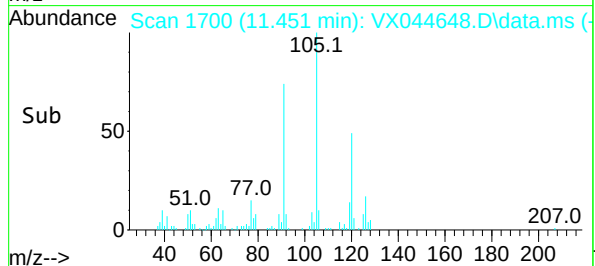
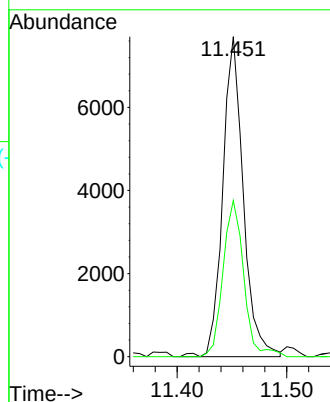
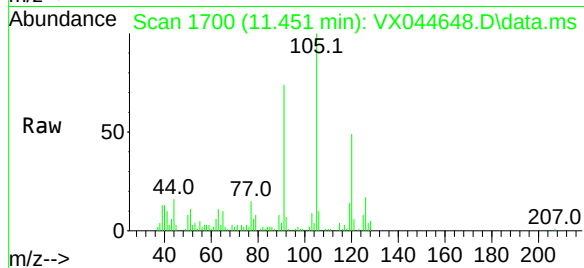
120 49.2 23.7 71.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#82

4-Chlorotoluene

Concen: 1.101 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX044648.D

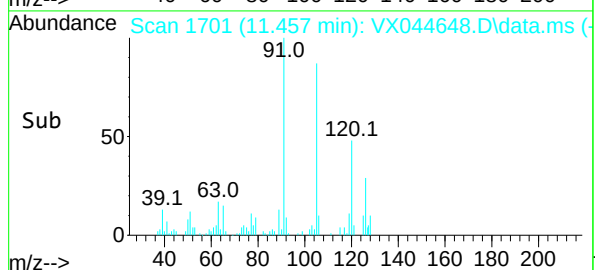
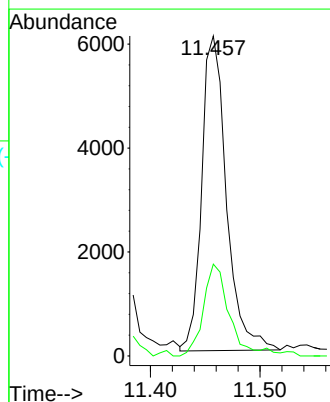
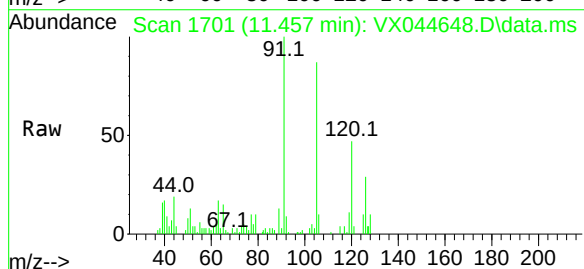
Acq: 15 Jan 2025 10:31

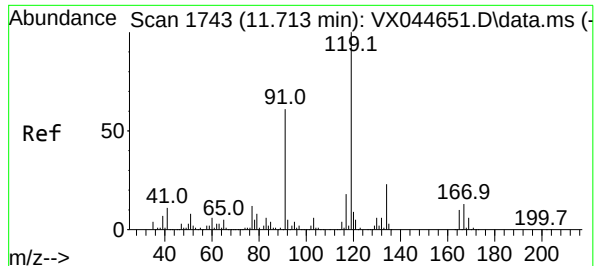
Tgt Ion: 91 Resp: 9494

Ion Ratio Lower Upper

91 100

126 31.3 13.9 41.7





#83

tert-Butylbenzene

Concen: 1.155 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:119 Resp: 10869

Ion Ratio Lower Upper

119 100

91 63.4 30.0 90.0

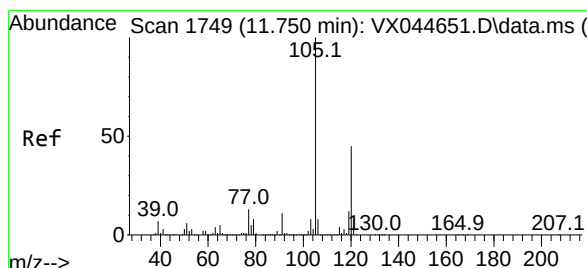
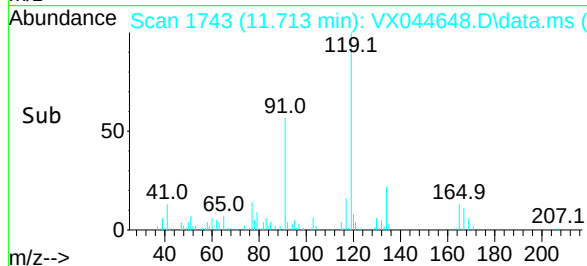
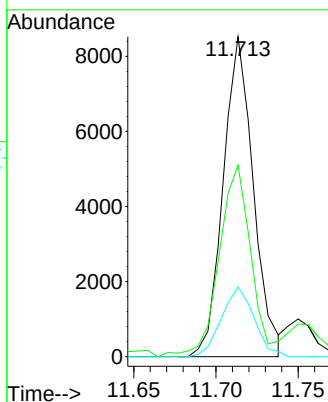
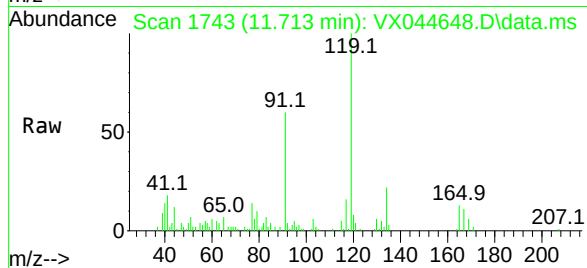
134 23.5 11.2 33.5

Manual Integrations

APPROVED

Reviewed By :John Carbone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#84

1,2,4-Trimethylbenzene

Concen: 1.174 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044648.D

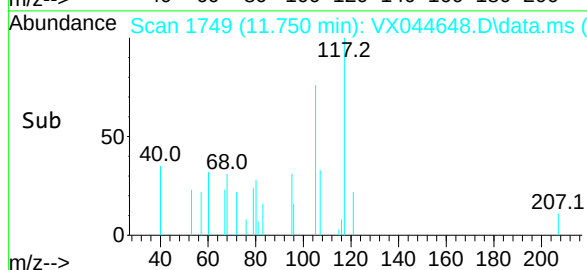
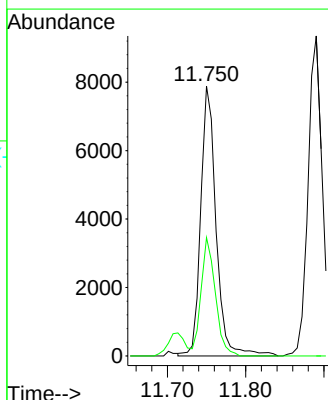
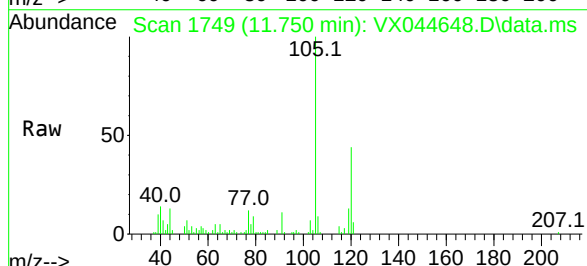
Acq: 15 Jan 2025 10:31

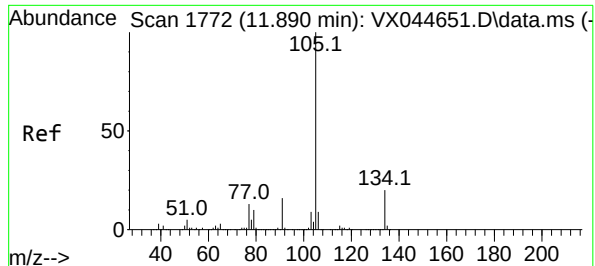
Tgt Ion:105 Resp: 10735

Ion Ratio Lower Upper

105 100

120 40.5 22.2 66.6





#85

sec-Butylbenzene

Concen: 1.115 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 1221

Ion Ratio Lower Upper

105 100

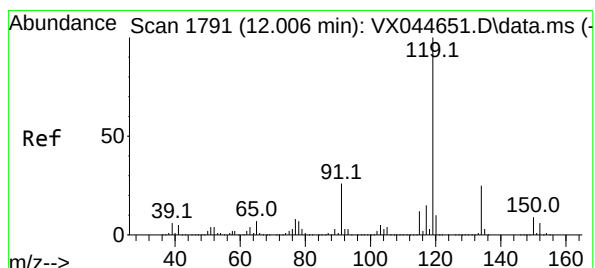
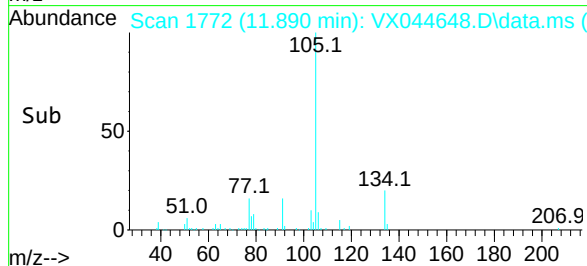
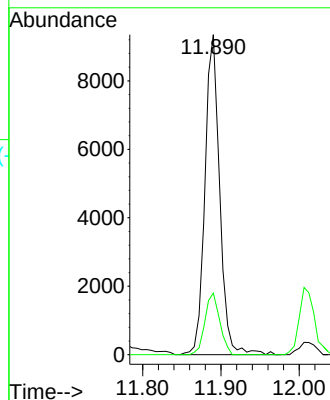
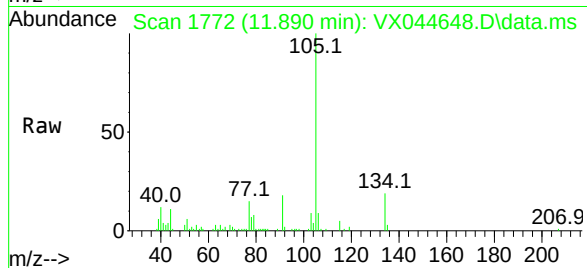
134 19.3 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#86

p-Isopropyltoluene

Concen: 1.101 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

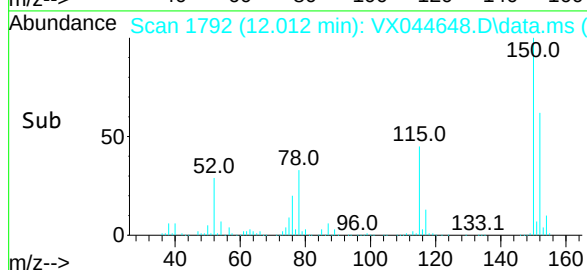
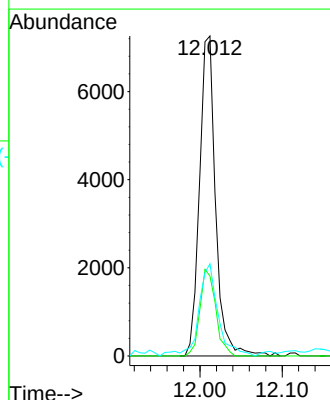
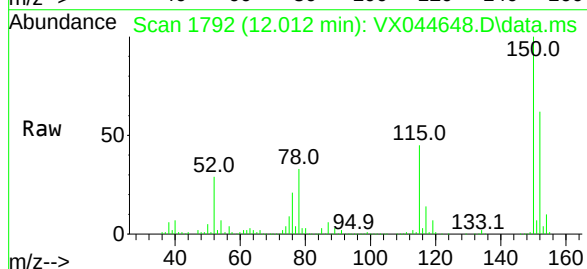
Tgt Ion:119 Resp: 9910

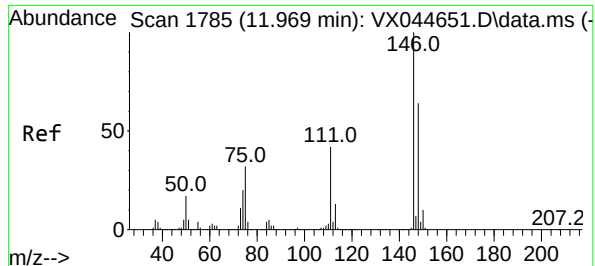
Ion Ratio Lower Upper

119 100

134 26.5 12.8 38.4

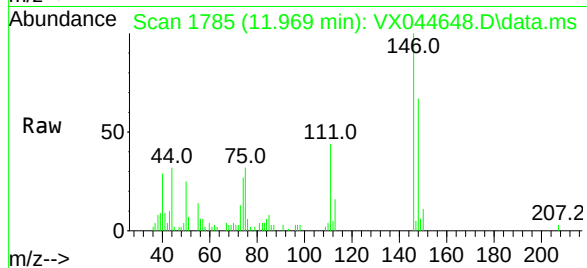
91 34.4 12.7 38.1





#87
1,3-Dichlorobenzene
Concen: 1.046 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

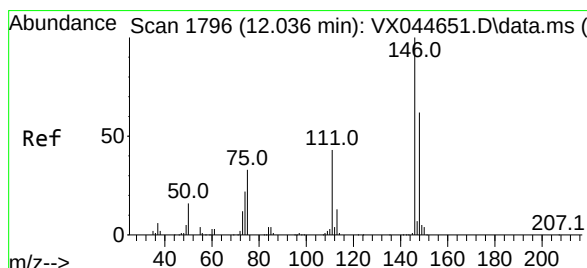
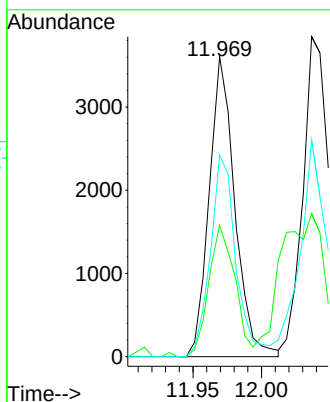
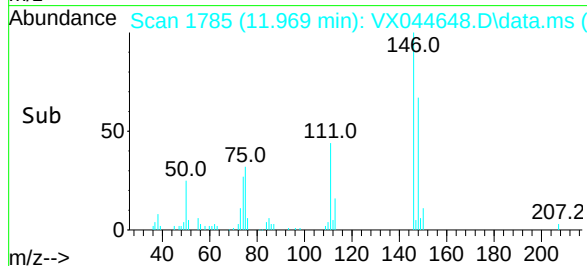
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



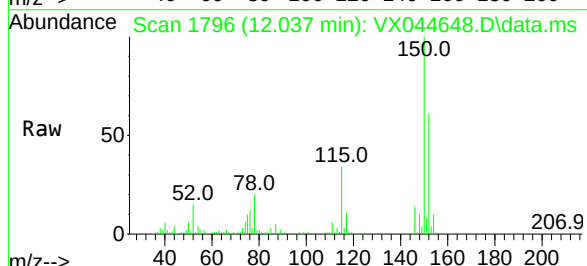
Tgt Ion:146 Resp: 4688
Ion Ratio Lower Upper
146 100
111 44.8 21.9 65.7
148 67.2 31.8 95.4

Manual Integrations
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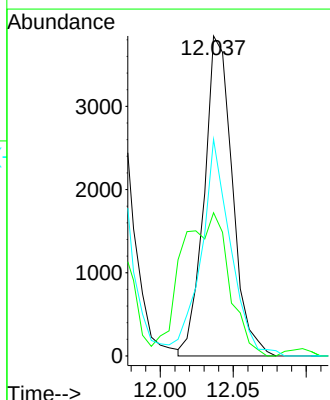
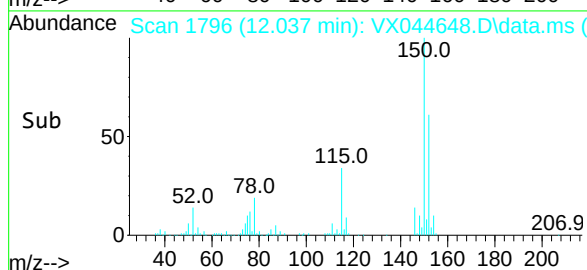
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

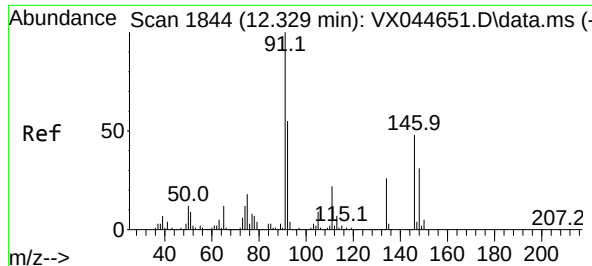


#88
1,4-Dichlorobenzene
Concen: 1.163 ug/l m
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31



Tgt Ion:146 Resp: 5172
Ion Ratio Lower Upper
146 100
111 40.6 21.5 64.5
148 60.9 32.1 96.5





#89

n-Butylbenzene

Concen: 1.047 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

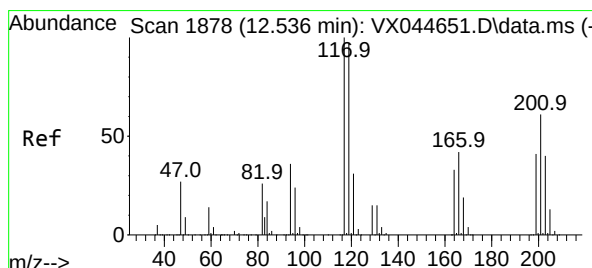
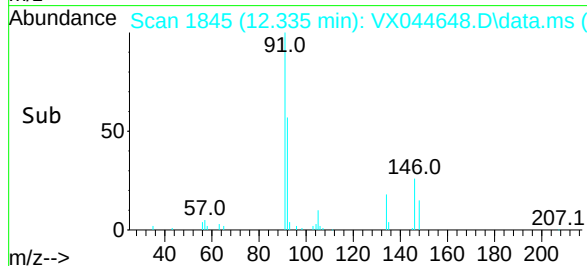
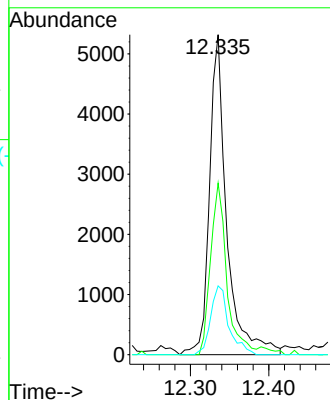
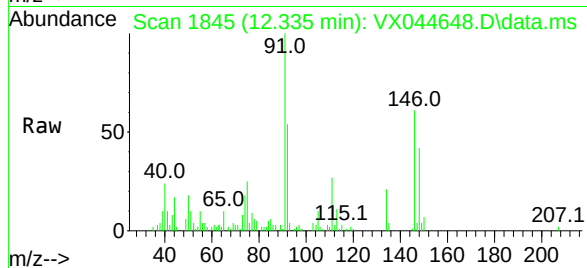
Tgt Ion:	91	Resp:	809
Ion	Ratio	Lower	Upper
91	100		
92	50.5	27.4	82.0
134	22.8	12.8	38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#90

Hexachloroethane

Concen: 1.270 ug/l

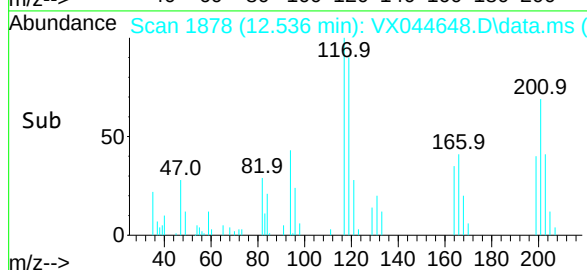
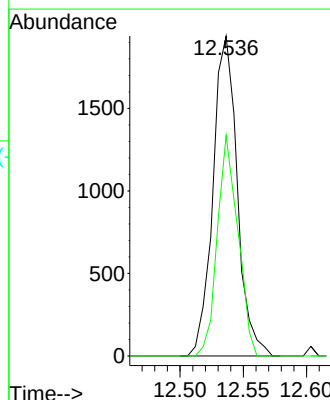
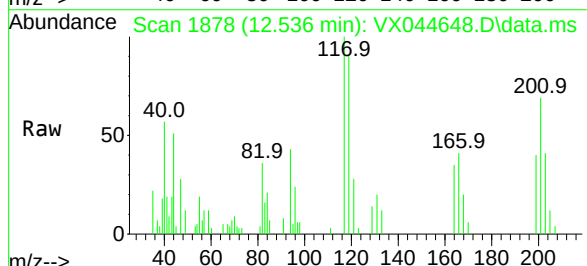
RT: 12.536 min Scan# 1878

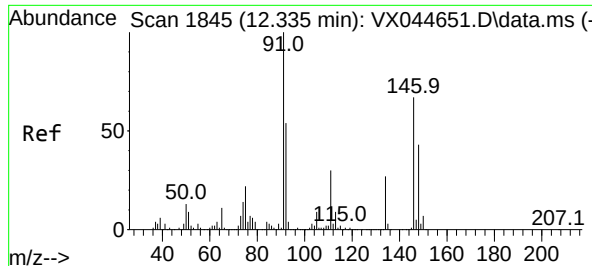
Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

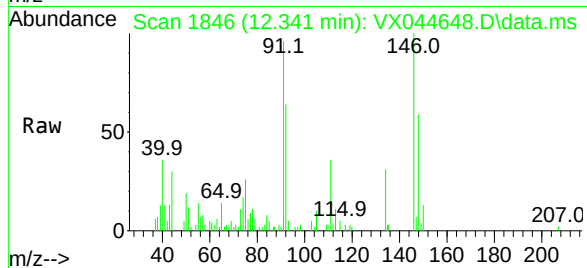
Tgt Ion:	117	Resp:	2589
Ion	Ratio	Lower	Upper
117	100		
201	58.4	32.3	96.8





#91
1,2-Dichlorobenzene
Concen: 1.128 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

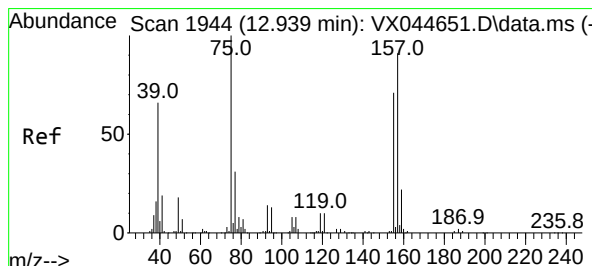
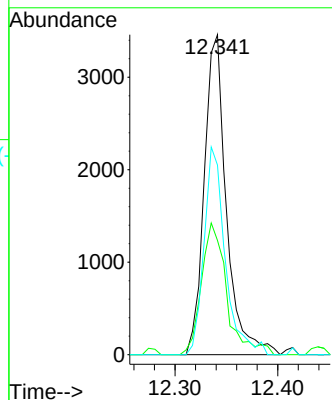
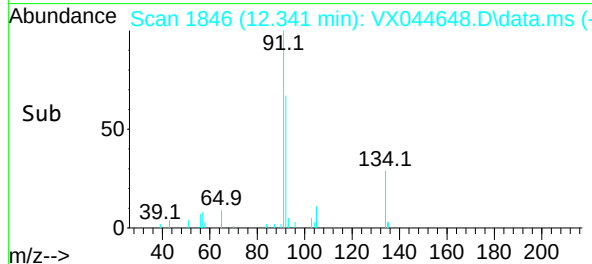
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion:146 Resp: 519
Ion Ratio Lower Upper
146 100
111 47.0 22.4 67.2
148 62.3 31.6 94.8

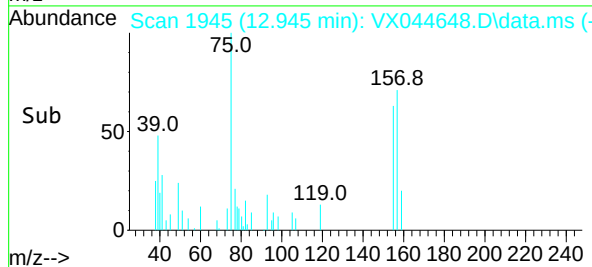
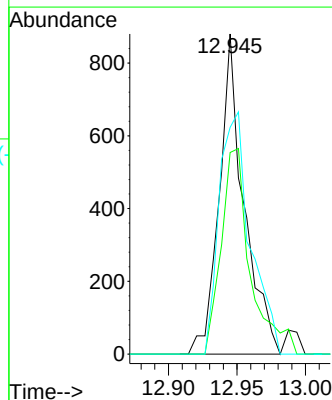
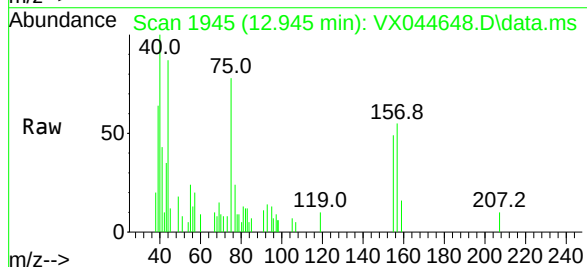
Manual Integrations
APPROVED

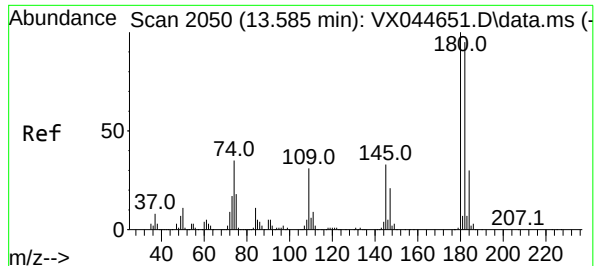
Reviewed By :John Carbone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.178 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

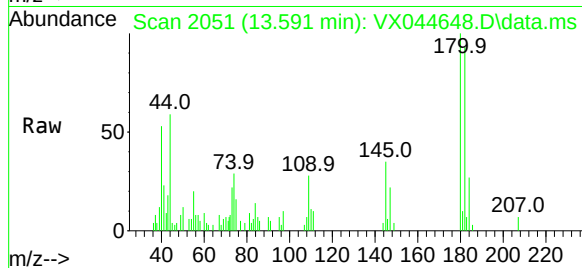
Tgt Ion: 75 Resp: 1100
Ion Ratio Lower Upper
75 100
155 75.9 39.0 116.9
157 95.6 49.9 149.7





#93
1,2,4-Trichlorobenzene
Concen: 0.941 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

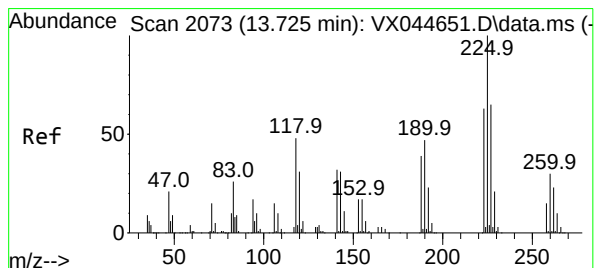
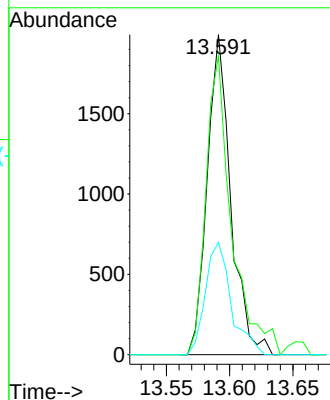
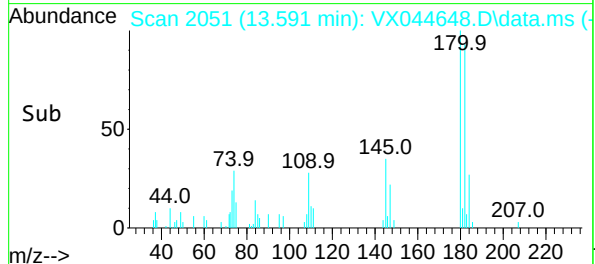
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion:180 Resp: 258
Ion Ratio Lower Upper
180 100
182 101.8 47.4 142.2
145 38.4 16.7 50.1

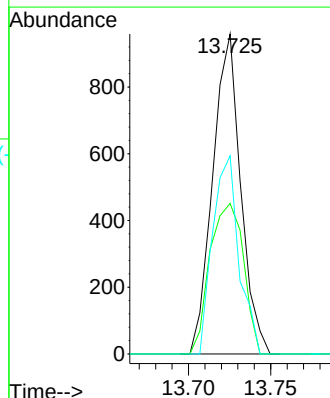
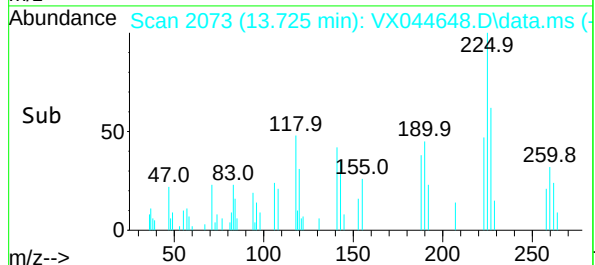
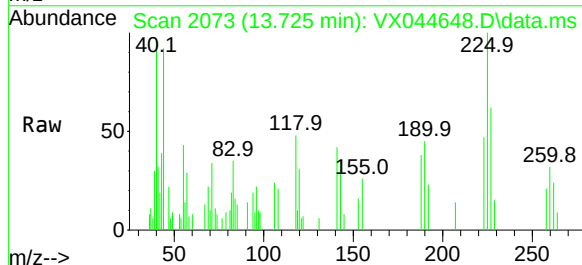
Manual Integrations
APPROVED

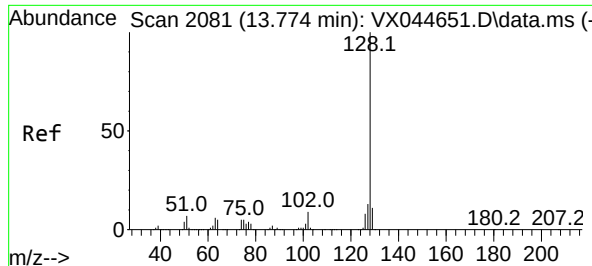
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#94
Hexachlorobutadiene
Concen: 1.049 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

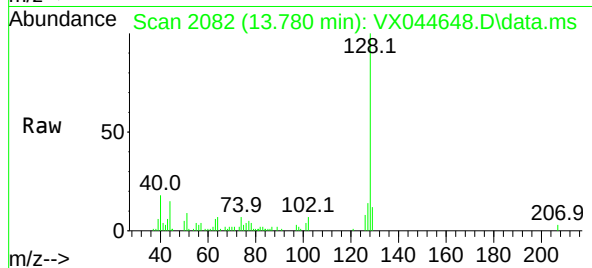
Tgt Ion:225 Resp: 1133
Ion Ratio Lower Upper
225 100
223 56.4 31.9 95.7
227 57.7 31.8 95.4





#95
Naphthalene
Concen: 1.033 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

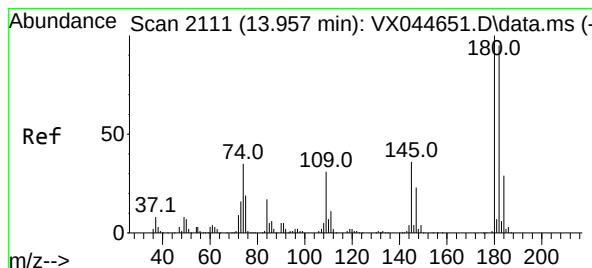
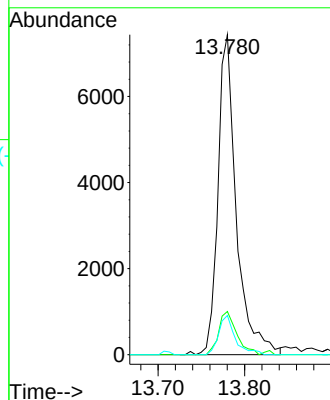
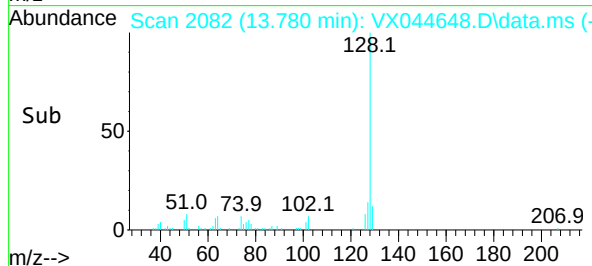
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion:128 Resp: 10950
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.1 8.7 13.1

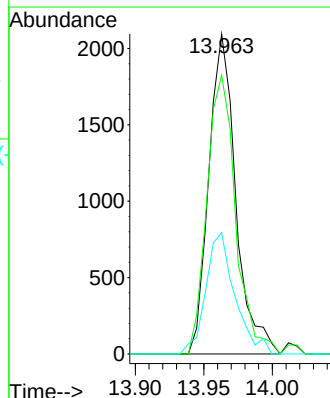
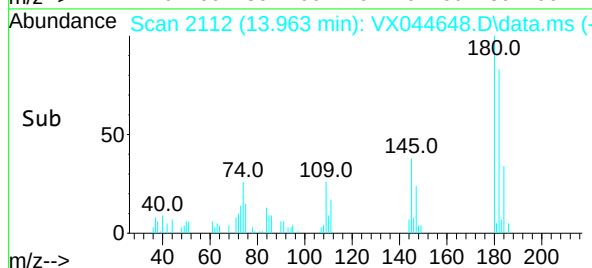
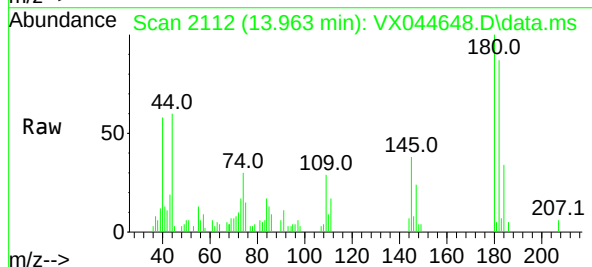
Manual Integrations
APPROVED

Reviewed By :John Carbone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 1.004 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:180 Resp: 2863
Ion Ratio Lower Upper
180 100
182 92.5 47.2 141.6
145 40.9 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044649.D
 Acq On : 15 Jan 2025 11:17
 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 01/15/2025
 Supervised By : Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:59:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 00:57:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	194627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	357706	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	300165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	123491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	16795	5.717	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	11.440%#
35) Dibromofluoromethane	5.379	113	12712	5.594	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	11.180%#
50) Toluene-d8	8.647	98	45425	5.733	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	11.460%#
62) 4-Bromofluorobenzene	11.079	95	15909	5.386	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	10.780%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	11790	4.502	ug/l	96
3) Chloromethane	1.301	50	13859	4.893	ug/l	99
4) Vinyl Chloride	1.374	62	13246	4.734	ug/l	97
5) Bromomethane	1.593	94	3303	4.943	ug/l	98
6) Chloroethane	1.660	64	2387	4.652	ug/l #	83
7) Trichlorofluoromethane	1.868	101	14571	4.711	ug/l	95
8) Diethyl Ether	2.136	74	6231	4.992	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	10967	4.717	ug/l	99
10) Methyl Iodide	2.441	142	15920	5.016	ug/l	99
11) Tert butyl alcohol	2.989	59	20543m	31.009	ug/l	
12) 1,1-Dichloroethene	2.307	96	10636	4.667	ug/l	91
13) Acrolein	2.239	56	11045	35.838	ug/l	95
14) Allyl chloride	2.654	41	21748	4.901	ug/l	97
15) Acrylonitrile	3.069	53	32783	25.521	ug/l	98
16) Acetone	2.386	43	26927	23.167	ug/l	97
17) Carbon Disulfide	2.502	76	30278	4.869	ug/l	97
18) Methyl Acetate	2.703	43	16192	4.516	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	41254	4.998	ug/l	100
20) Methylene Chloride	2.782	84	13610	5.028	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	11813	4.965	ug/l	98
22) Diisopropyl ether	3.764	45	39716	5.149	ug/l	92
23) Vinyl Acetate	3.721	43	175668	26.022	ug/l	99
24) 1,1-Dichloroethane	3.605	63	22655	4.953	ug/l	98
25) 2-Butanone	4.568	43	43210	25.004	ug/l	96
26) 2,2-Dichloropropane	4.465	77	21972	4.957	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	14297	4.777	ug/l	97
28) Bromochloromethane	4.891	49	10785	5.046	ug/l	100
29) Tetrahydrofuran	5.007	42	27602	24.762	ug/l	98
30) Chloroform	5.086	83	23860	5.169	ug/l	93
31) Cyclohexane	5.458	56	18252	4.934	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	20169	4.753	ug/l	99
36) 1,1-Dichloropropene	5.690	75	15040	4.754	ug/l	94
37) Ethyl Acetate	4.721	43	17349	5.150	ug/l	95
38) Carbon Tetrachloride	5.666	117	17983	5.054	ug/l	92
39) Methylcyclohexane	7.373	83	19848	4.727	ug/l	95
40) Benzene	6.038	78	49235	5.023	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044649.D
 Acq On : 15 Jan 2025 11:17
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:59:01 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M

Quant Title : SW846 8260

QLast Update : Thu Jan 16 00:57:36 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	9920	5.124	ug/l	98
42) 1,2-Dichloroethane	6.086	62	17678	4.941	ug/l	97
43) Isopropyl Acetate	6.342	43	30226	4.877	ug/l	99
44) Trichloroethene	7.123	130	11427	4.849	ug/l	97
45) 1,2-Dichloropropane	7.428	63	12829	5.199	ug/l	97
46) Dibromomethane	7.580	93	9684	5.156	ug/l	94
47) Bromodichloromethane	7.818	83	18964	4.923	ug/l	94
48) Methyl methacrylate	7.696	41	13933	4.844	ug/l	97
49) 1,4-Dioxane	7.677	88	5674	94.542	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	87503	25.551	ug/l	98
52) Toluene	8.714	92	30892	5.149	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	19714	4.954	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	21054	4.879	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	12227	5.037	ug/l	99
56) Ethyl methacrylate	9.116	69	20596	4.935	ug/l	96
57) 1,3-Dichloropropane	9.305	76	21253	5.142	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	50319	24.557	ug/l	100
59) 2-Hexanone	9.433	43	63985	25.395	ug/l	100
60) Dibromochloromethane	9.519	129	14553	5.108	ug/l	99
61) 1,2-Dibromoethane	9.610	107	12916	5.077	ug/l	97
64) Tetrachloroethene	9.269	164	9274	4.920	ug/l	93
65) Chlorobenzene	10.073	112	32572	5.109	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	11955	5.160	ug/l	98
67) Ethyl Benzene	10.189	91	55208	4.963	ug/l	98
68) m/p-Xylenes	10.299	106	41816	10.129	ug/l	99
69) o-Xylene	10.640	106	21392	5.124	ug/l	96
70) Styrene	10.653	104	34407	5.105	ug/l	98
71) Bromoform	10.799	173	9452	5.012	ug/l #	97
73) Isopropylbenzene	10.963	105	52599	5.214	ug/l	100
74) N-amyl acetate	10.842	43	25282	5.084	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	18645	5.351	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	16903m	5.796	ug/l	
77) Bromobenzene	11.201	156	12158	5.156	ug/l	96
78) n-propylbenzene	11.305	91	53913	4.846	ug/l	99
79) 2-Chlorotoluene	11.366	91	36602	5.093	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	43488	5.295	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	6607	5.042	ug/l	95
82) 4-Chlorotoluene	11.451	91	39763	5.051	ug/l	99
83) tert-Butylbenzene	11.713	119	45606	5.311	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	41737	5.001	ug/l	99
85) sec-Butylbenzene	11.890	105	49858	4.987	ug/l	99
86) p-Isopropyltoluene	12.006	119	41214	5.016	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	20268	4.956	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	20555	5.062	ug/l	93
89) n-Butylbenzene	12.329	91	33505	4.747	ug/l	98
90) Hexachloroethane	12.536	117	9325	5.012	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	21690	5.165	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4384	5.145	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	11649	4.640	ug/l	99
94) Hexachlorobutadiene	13.725	225	4738	4.804	ug/l	99
95) Naphthalene	13.774	128	46418	4.794	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	12258	4.710	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044649.D
Acq On : 15 Jan 2025 11:17
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 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:59:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

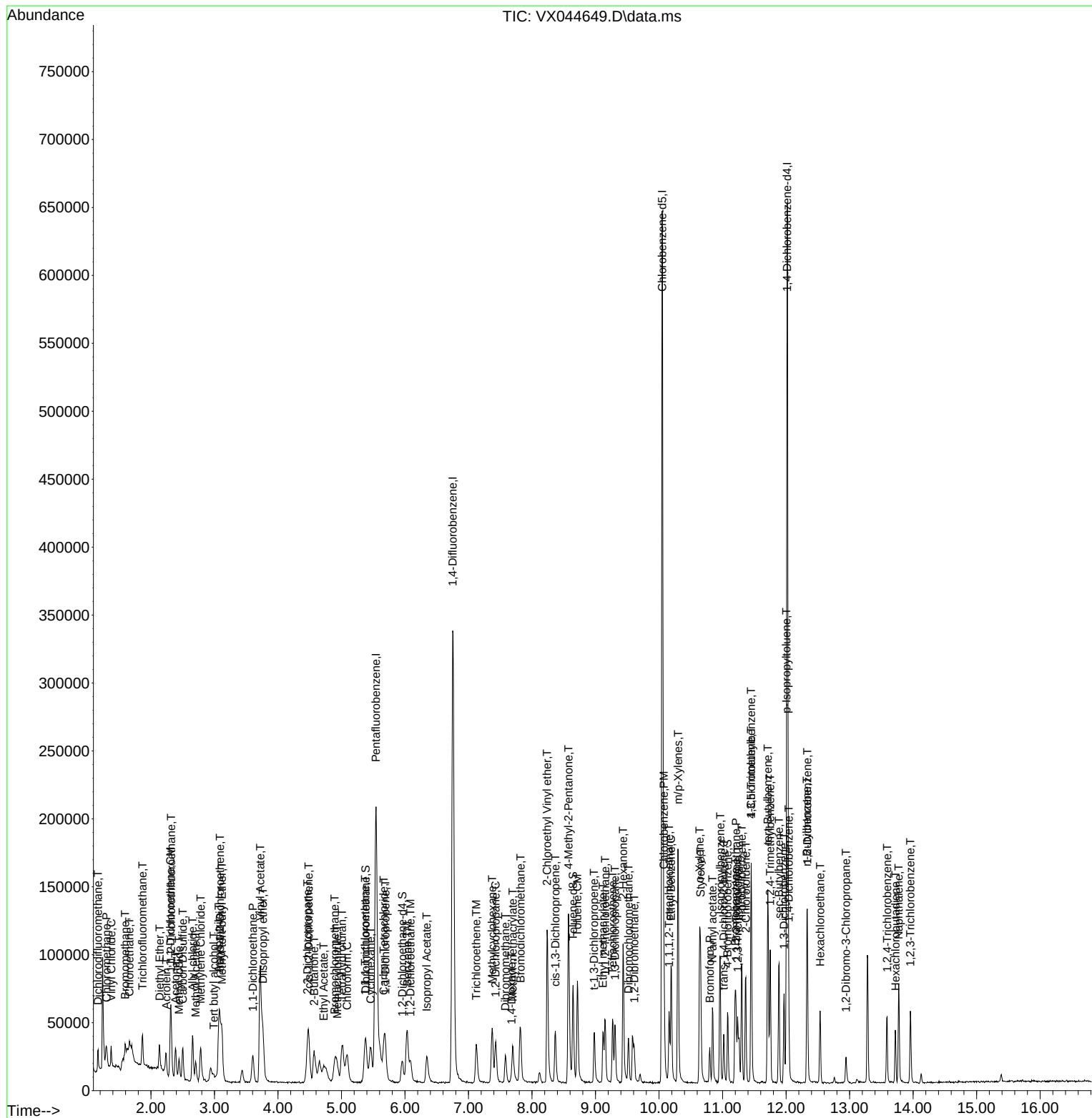
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

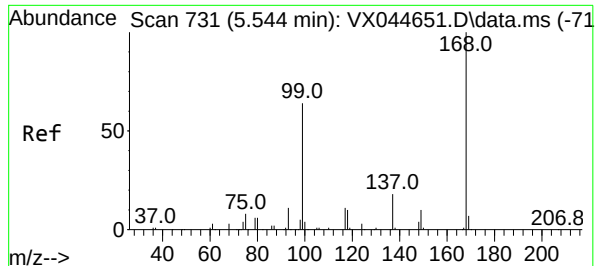
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:168 Resp: 19462

Ion Ratio Lower Upper

168 100

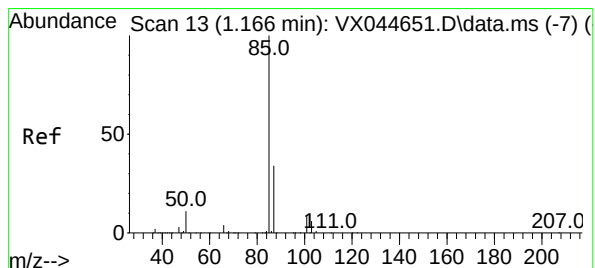
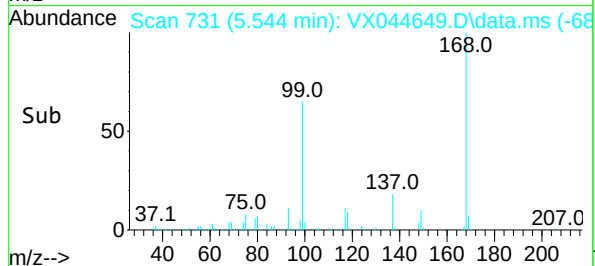
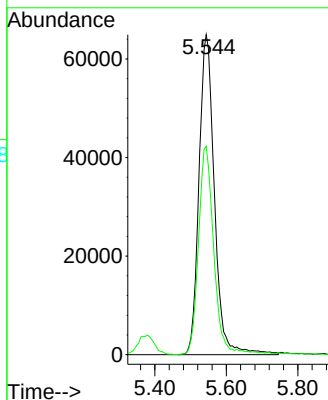
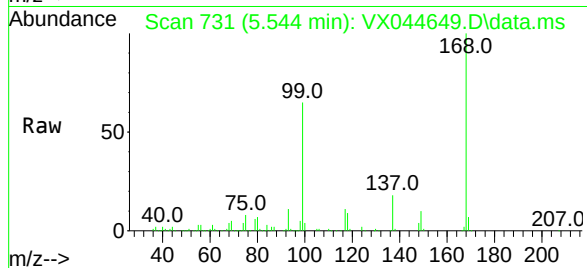
99 65.0 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#2

Dichlorodifluoromethane

Concen: 4.502 ug/l

RT: 1.166 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX044649.D

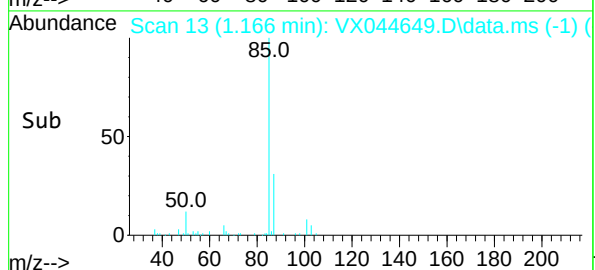
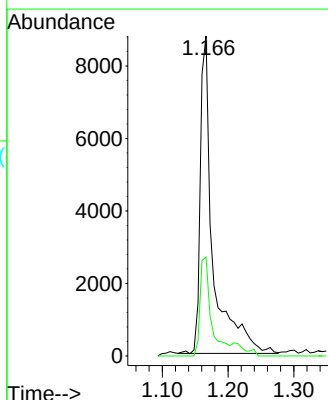
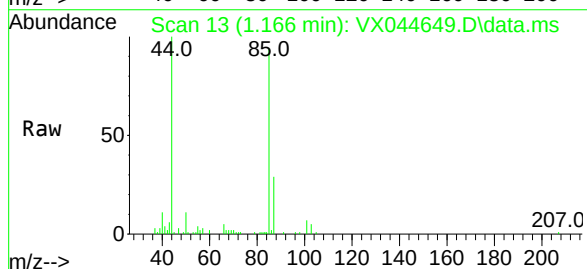
Acq: 15 Jan 2025 11:17

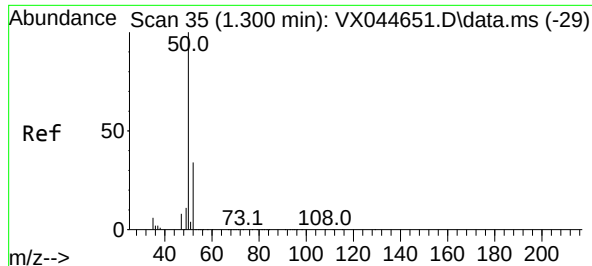
Tgt Ion: 85 Resp: 11790

Ion Ratio Lower Upper

85 100

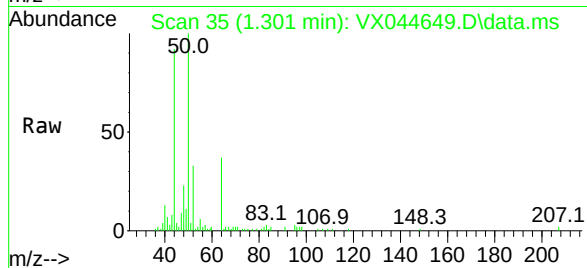
87 31.2 16.8 50.4





#3
Chloromethane
Concen: 4.893 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

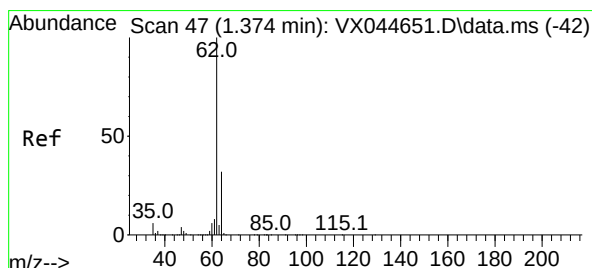
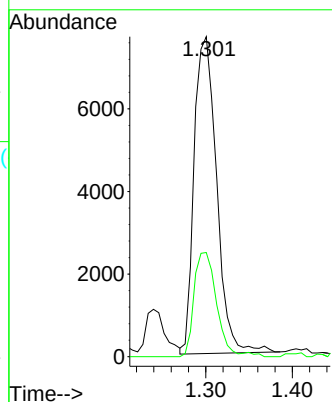
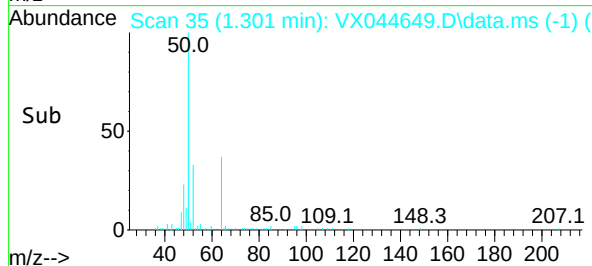
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 50 Resp: 1385
Ion Ratio Lower Upper
50 100
52 33.0 27.0 40.4

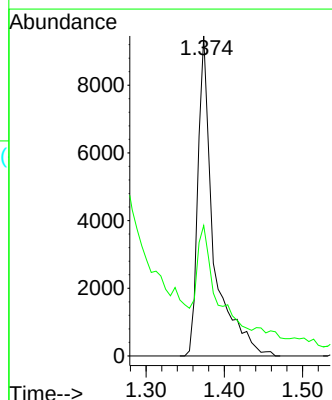
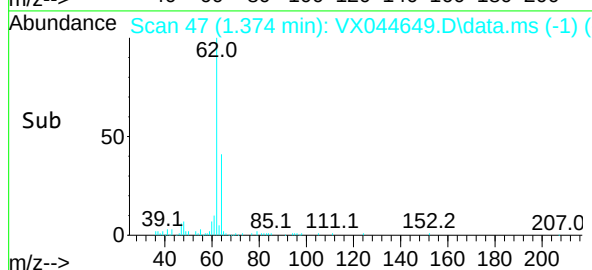
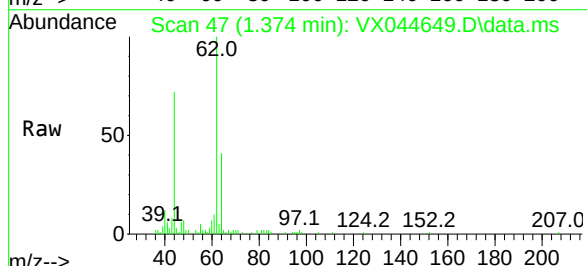
Manual Integrations
APPROVED

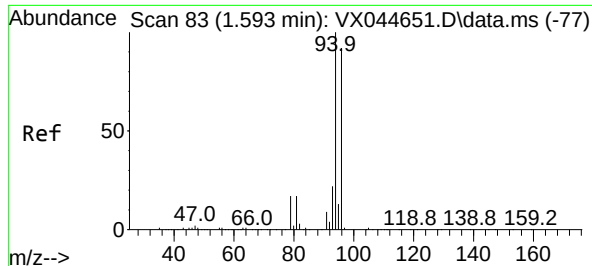
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#4
Vinyl Chloride
Concen: 4.734 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

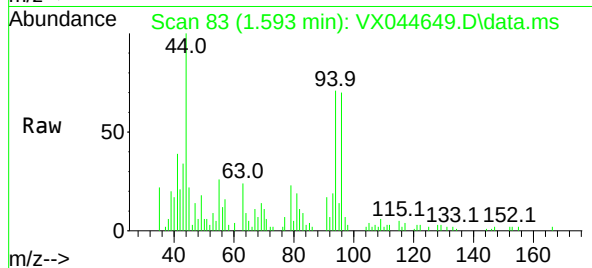
Tgt Ion: 62 Resp: 13246
Ion Ratio Lower Upper
62 100
64 35.1 26.6 39.8





#5
Bromomethane
Concen: 4.943 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

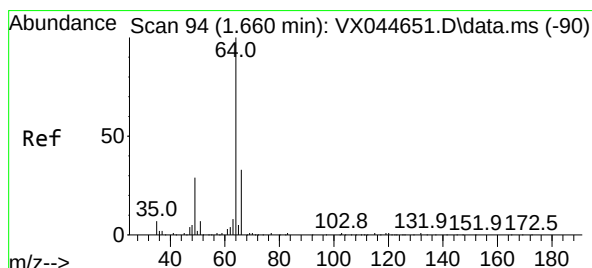
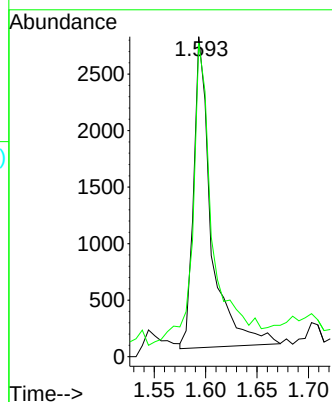
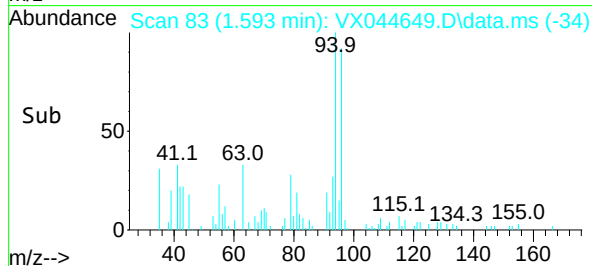
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 94 Resp: 330
Ion Ratio Lower Upper
94 100
96 92.5 72.8 109.2

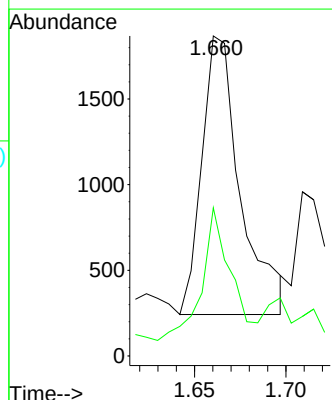
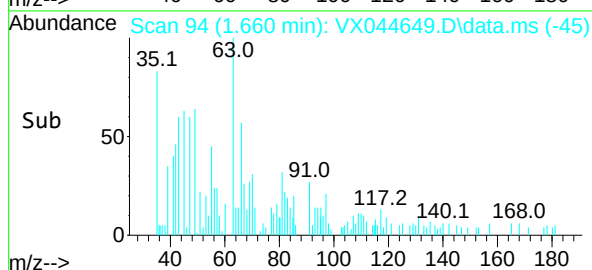
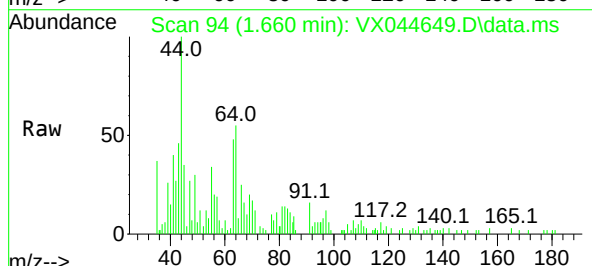
Manual Integrations
APPROVED

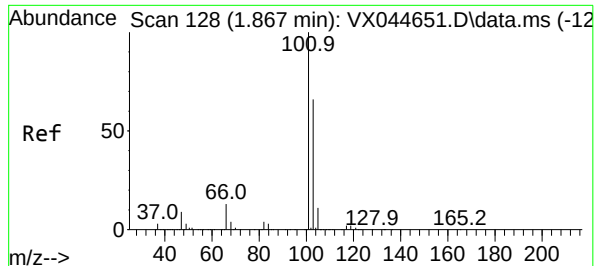
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#6
Chloroethane
Concen: 4.652 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

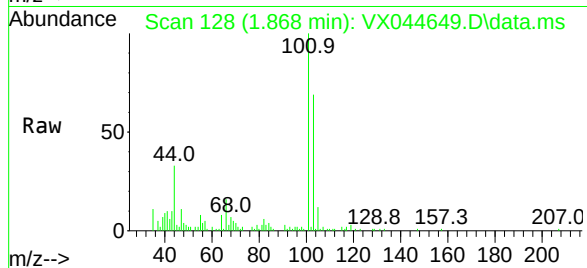
Tgt Ion: 64 Resp: 2387
Ion Ratio Lower Upper
64 100
66 42.6 26.6 39.8#





#7
Trichlorofluoromethane
Concen: 4.711 ug/l
RT: 1.868 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

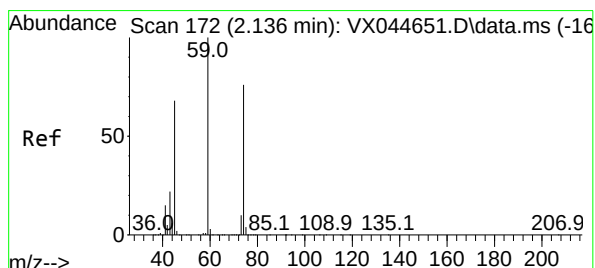
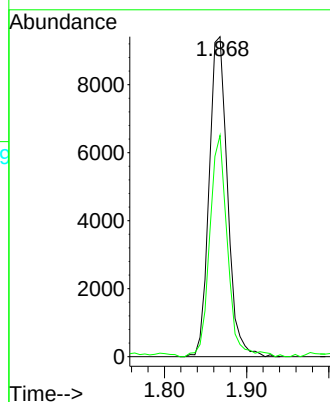
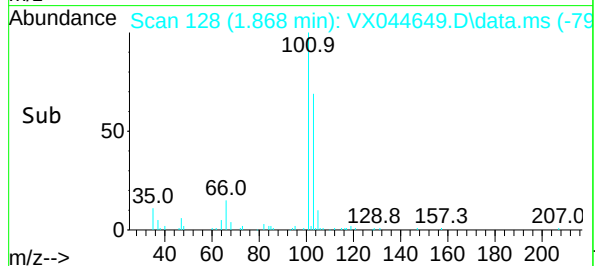
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:101 Resp: 1457
Ion Ratio Lower Upper
101 100
103 69.2 52.5 78.7

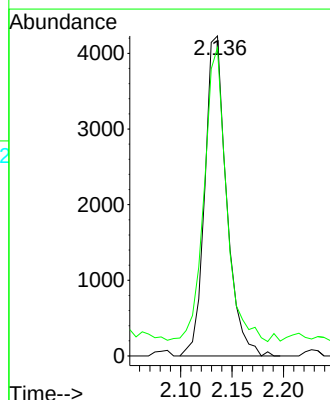
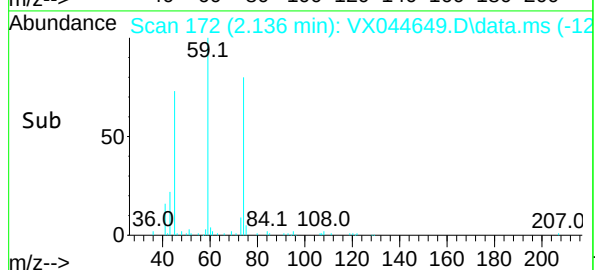
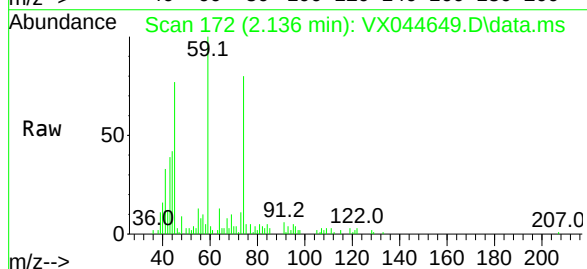
Manual Integrations
APPROVED

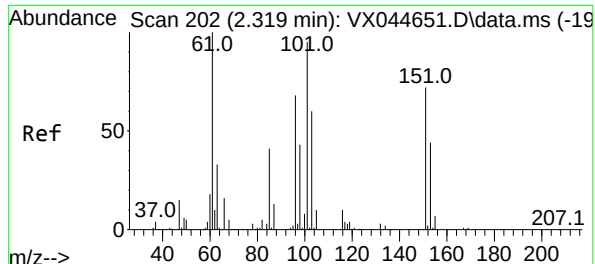
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#8
Diethyl Ether
Concen: 4.992 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 74 Resp: 6231
Ion Ratio Lower Upper
74 100
45 93.9 47.1 141.3





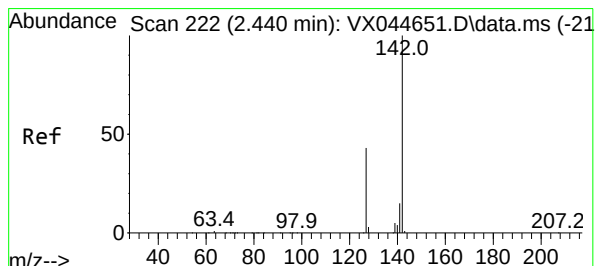
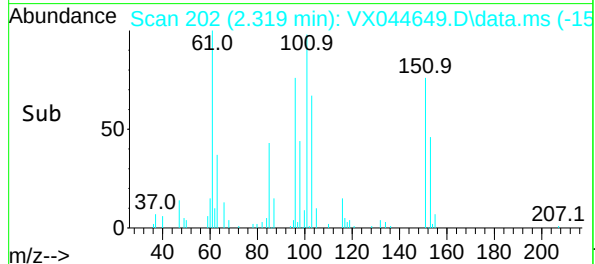
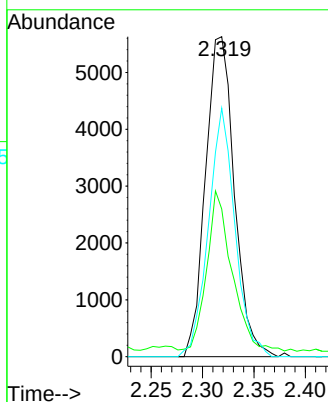
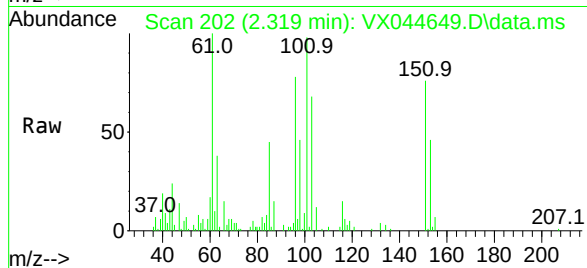
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.717 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.3	52.9
151	71.6	58.2	87.4

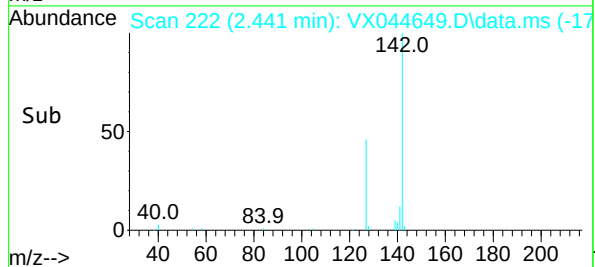
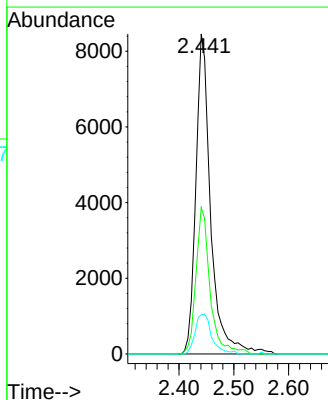
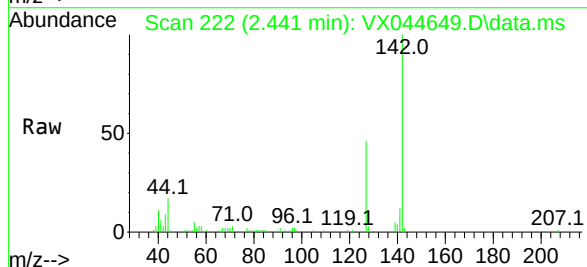
Manual Integrations
APPROVED

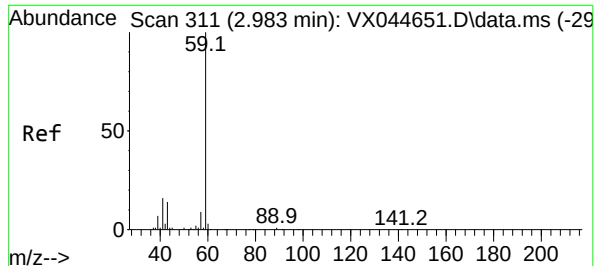
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#10
Methyl Iodide
Concen: 5.016 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.8	35.0	52.4
141	13.9	11.7	17.5





#11

Tert butyl alcohol

Concen: 31.009 ug/l m

RT: 2.989 min Scan# 311

Delta R.T. 0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 2054

Ion Ratio Lower Upper

59 100

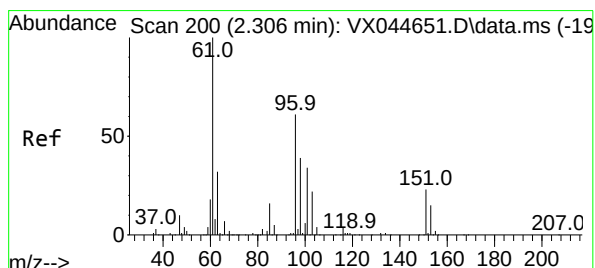
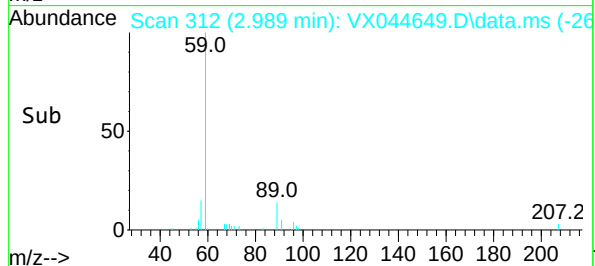
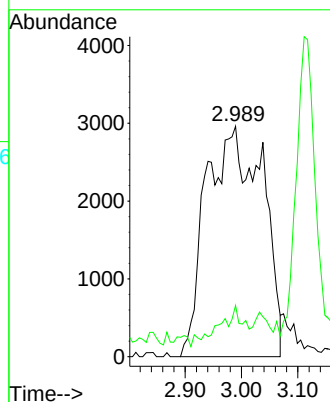
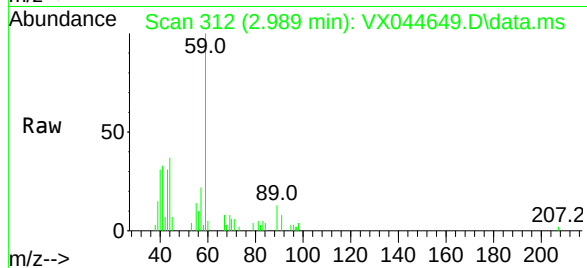
57 5.9 3.9 5.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#12

1,1-Dichloroethene

Concen: 4.667 ug/l

RT: 2.307 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

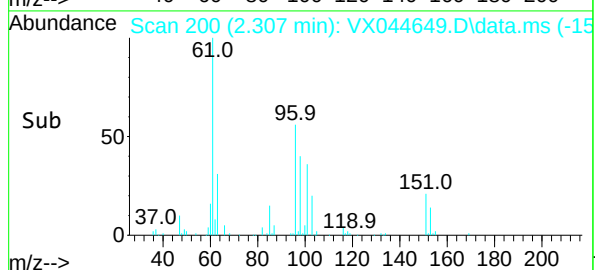
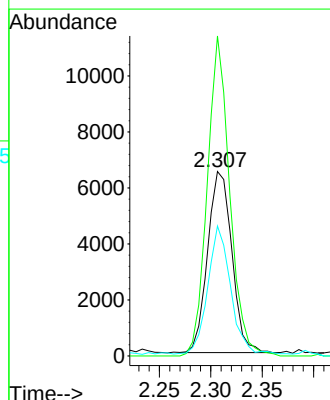
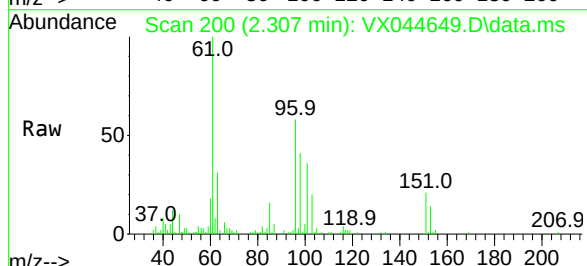
Tgt Ion: 96 Resp: 10636

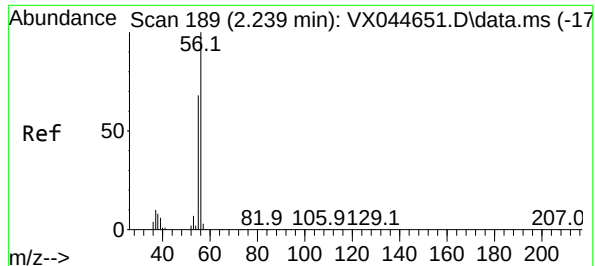
Ion Ratio Lower Upper

96 100

61 176.8 131.1 196.7

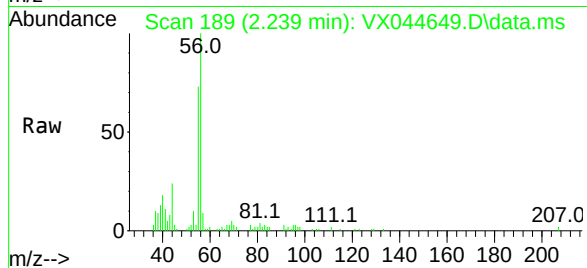
98 70.5 51.2 76.8





#13
Acrolein
Concen: 35.838 ug/l
RT: 2.239 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

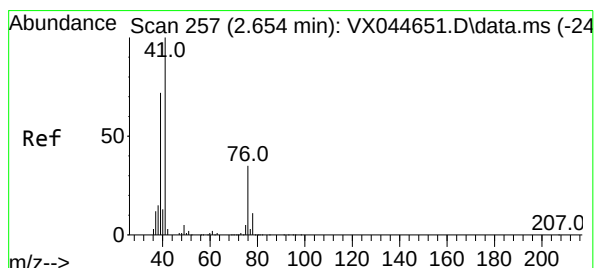
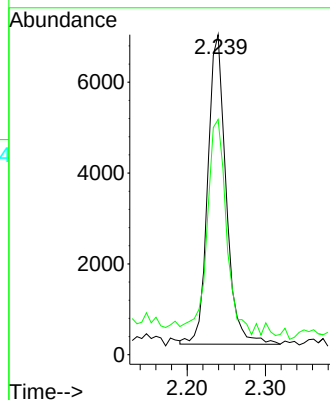
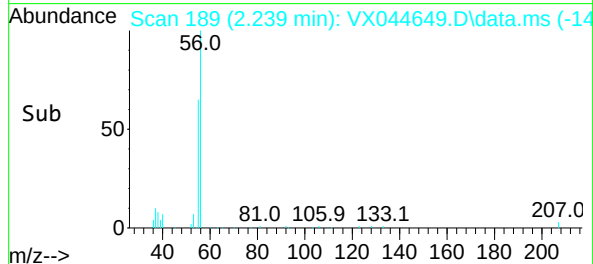
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 56 Resp: 1104
Ion Ratio Lower Upper
56 100
55 72.7 55.1 82.7

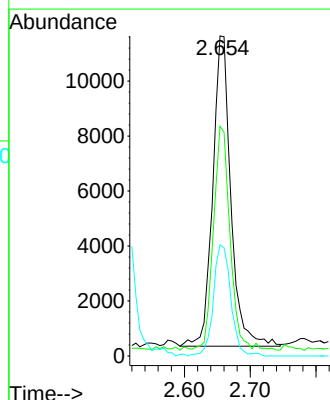
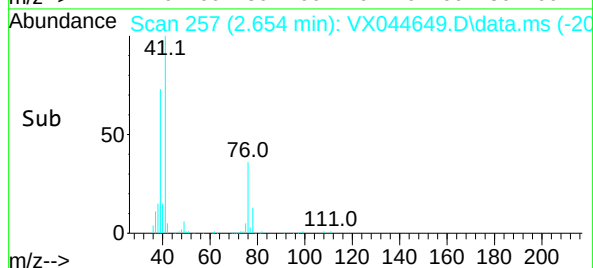
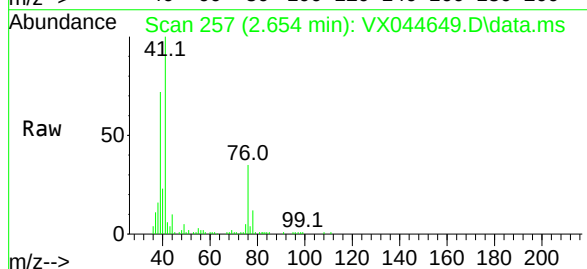
Manual Integrations
APPROVED

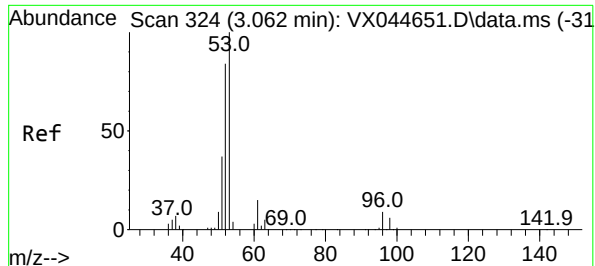
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#14
Allyl chloride
Concen: 4.901 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 41 Resp: 21748
Ion Ratio Lower Upper
41 100
39 65.4 54.9 82.3
76 34.4 28.4 42.6





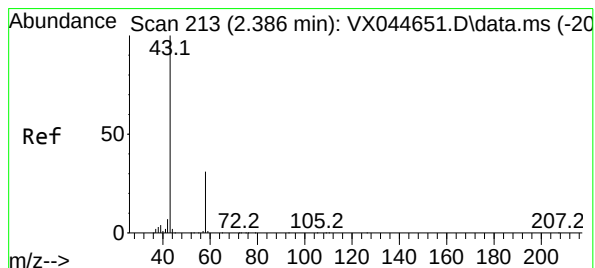
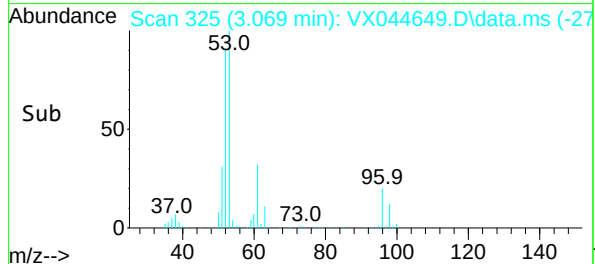
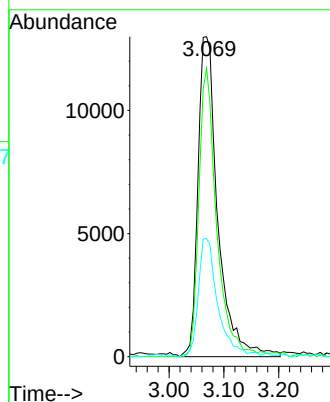
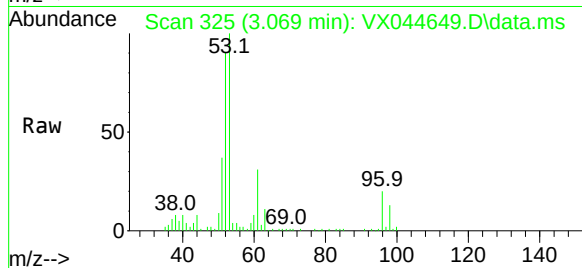
#15
Acrylonitrile
Concen: 25.521 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 3278
Ion Ratio Lower Upper
53 100
52 80.5 66.0 99.0
51 35.8 28.9 43.3

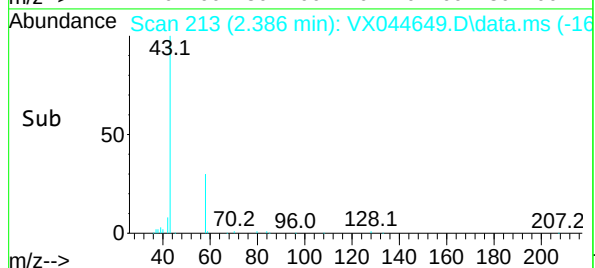
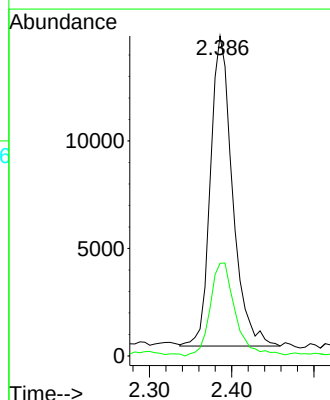
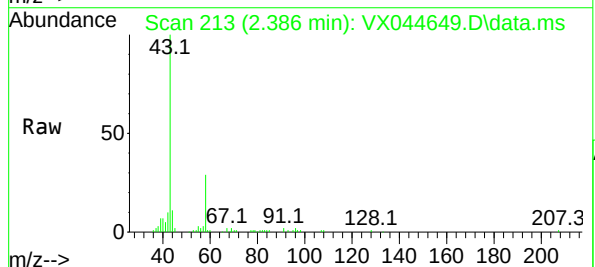
Manual Integrations
APPROVED

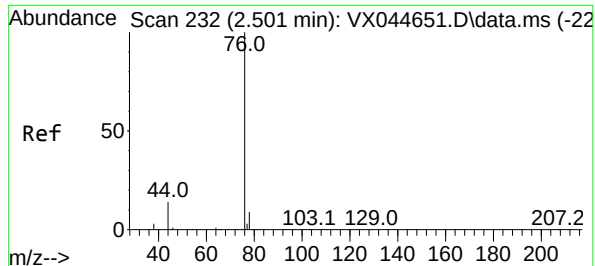
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#16
Acetone
Concen: 23.167 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 43 Resp: 26927
Ion Ratio Lower Upper
43 100
58 29.2 24.6 37.0





#17

Carbon Disulfide

Concen: 4.869 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 76 Resp: 30278

Ion Ratio Lower Upper

76 100

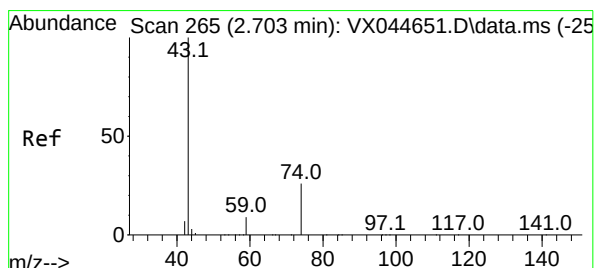
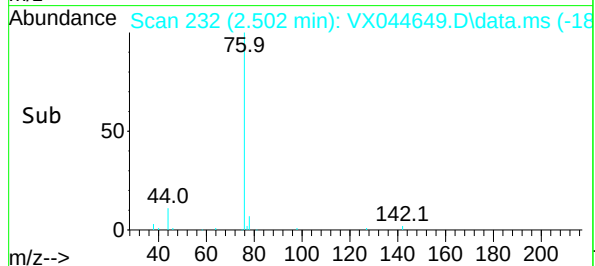
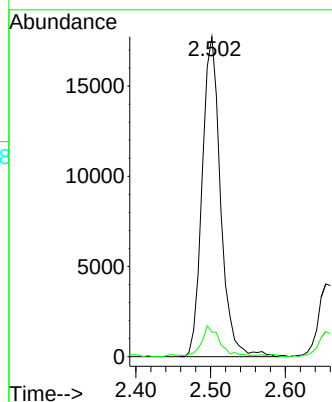
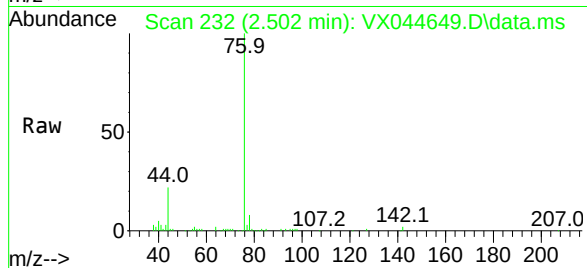
78 7.7 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#18

Methyl Acetate

Concen: 4.516 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044649.D

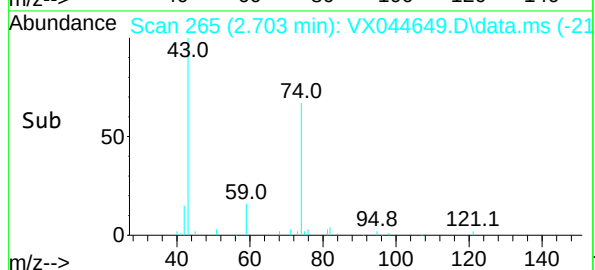
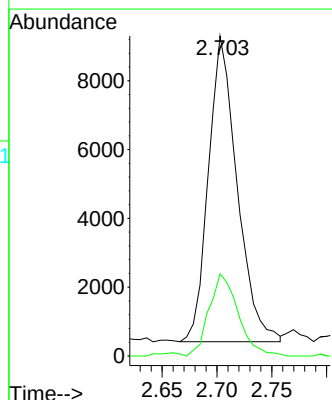
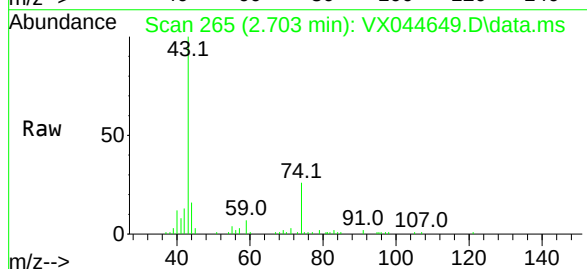
Acq: 15 Jan 2025 11:17

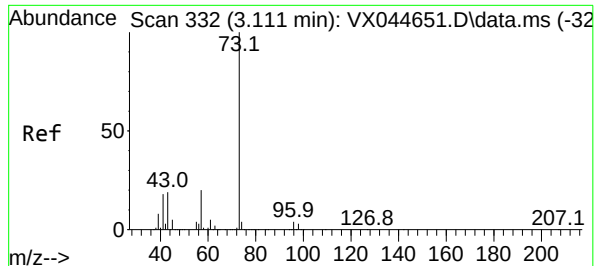
Tgt Ion: 43 Resp: 16192

Ion Ratio Lower Upper

43 100

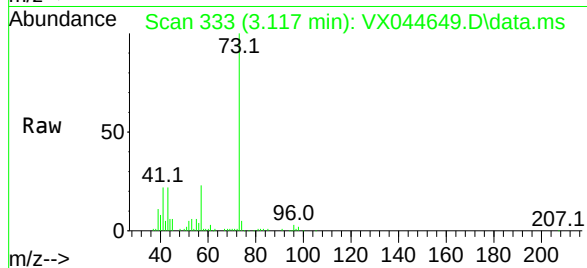
74 27.3 19.8 29.8





#19
Methyl tert-butyl Ether
Concen: 4.998 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

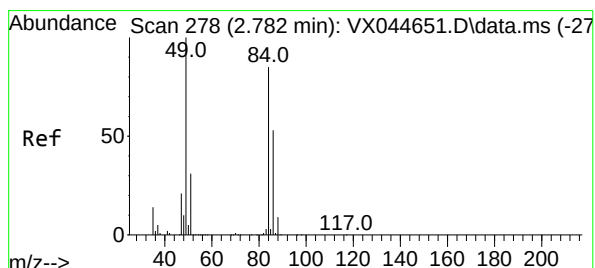
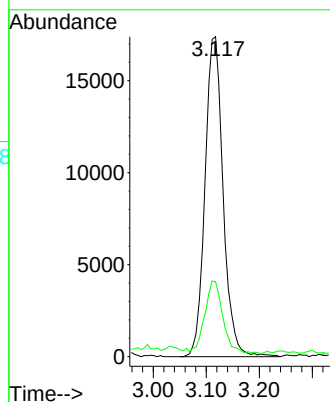
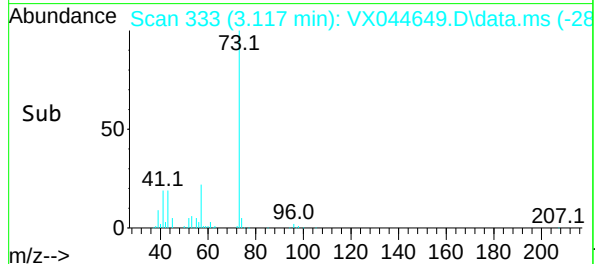
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 73 Resp: 41254
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.0

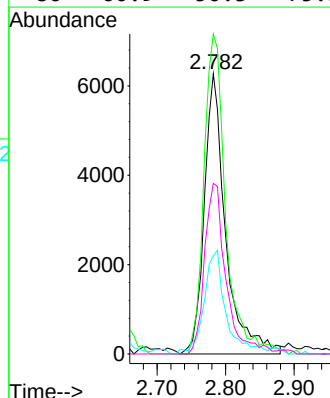
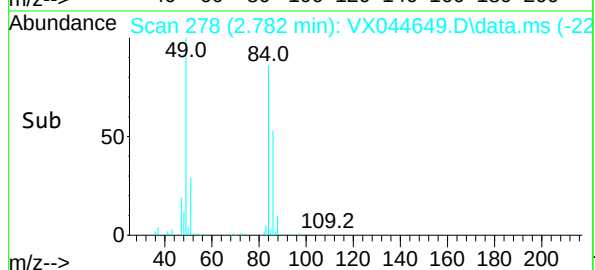
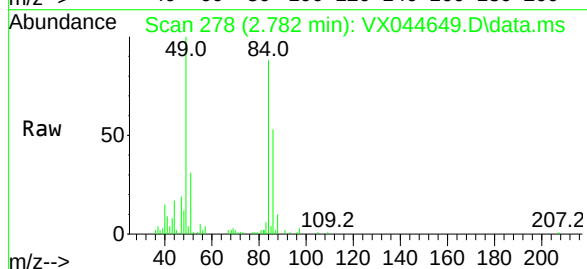
Manual Integrations
APPROVED

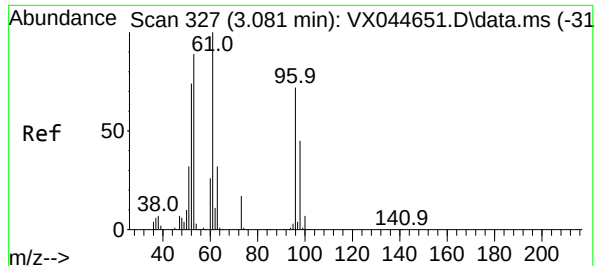
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#20
Methylene Chloride
Concen: 5.028 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

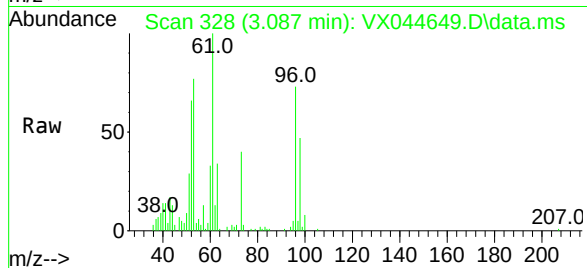
Tgt Ion: 84 Resp: 13610
Ion Ratio Lower Upper
84 100
49 114.2 94.2 141.4
51 33.5 28.8 43.2
86 60.9 50.3 75.5





#21
trans-1,2-Dichloroethene
Concen: 4.965 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

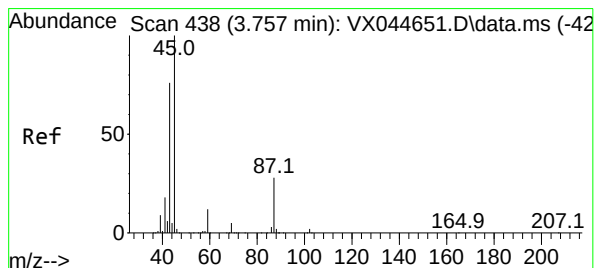
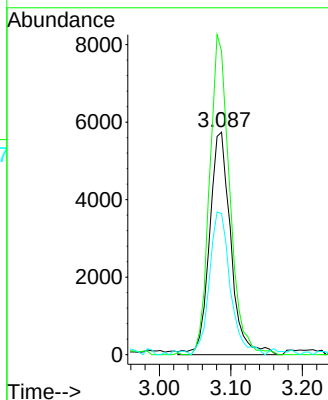
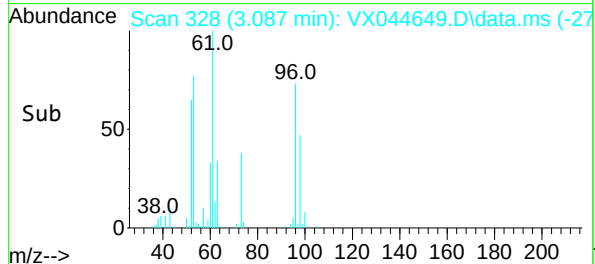
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 96 Resp: 1181
Ion Ratio Lower Upper
96 100
61 136.3 111.0 166.6
98 62.3 50.2 75.2

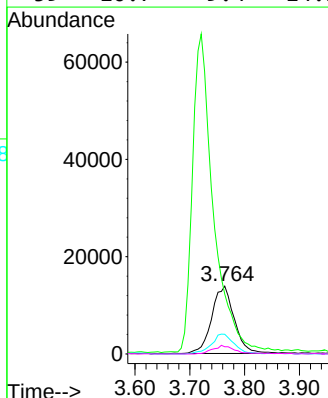
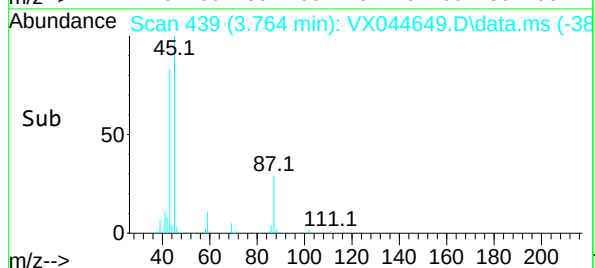
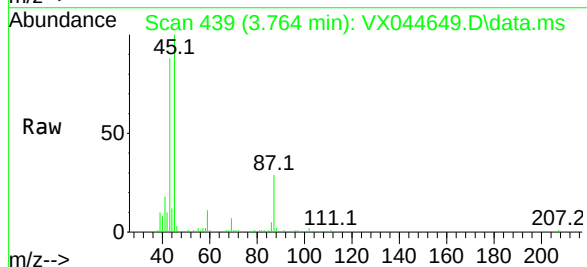
Manual Integrations
APPROVED

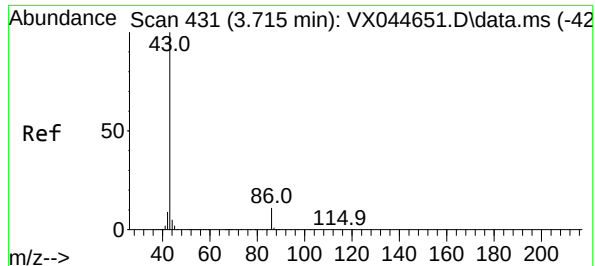
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#22
Diisopropyl ether
Concen: 5.149 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

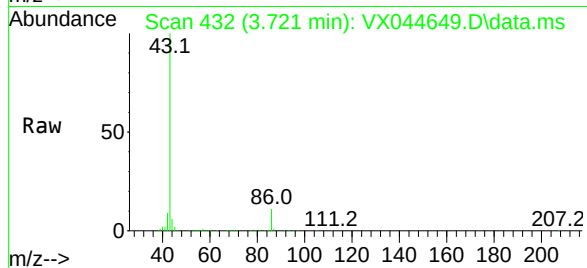
Tgt Ion: 45 Resp: 39716
Ion Ratio Lower Upper
45 100
43 85.7 61.0 91.6
87 29.1 22.7 34.1
59 10.7 9.4 14.2





#23
Vinyl Acetate
Concen: 26.022 ug/l
RT: 3.721 min Scan# 411
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

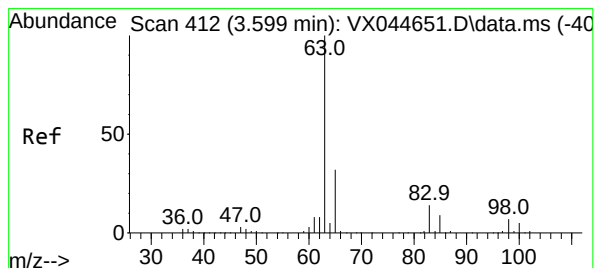
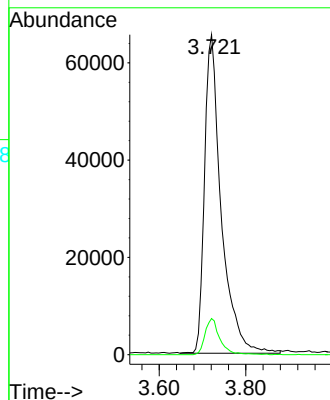
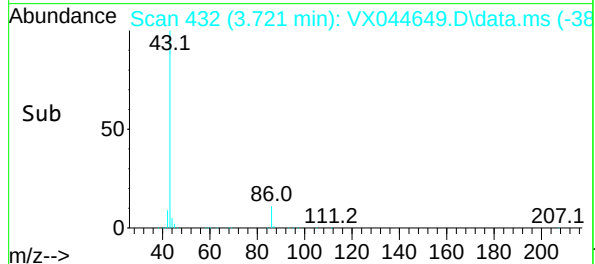
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



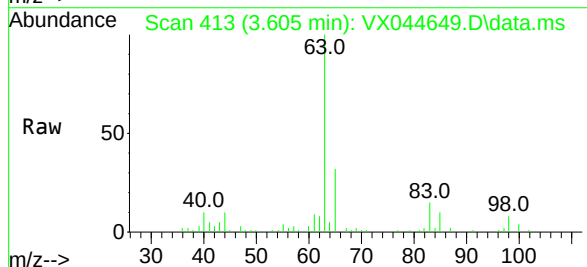
Tgt Ion: 43 Resp: 17566
Ion Ratio Lower Upper
43 100
86 11.3 8.9 13.3

Manual Integrations
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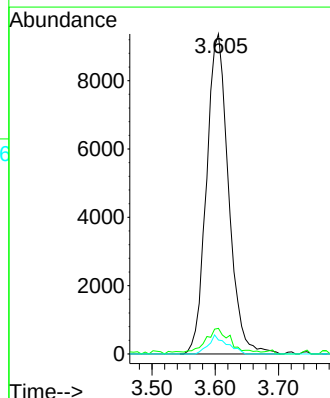
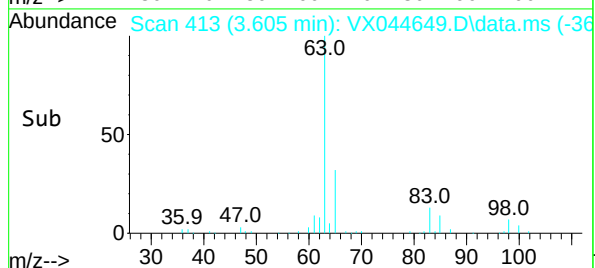
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

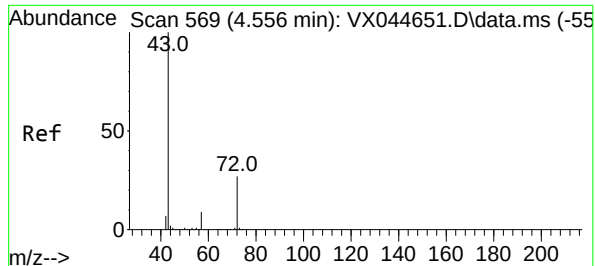


#24
1,1-Dichloroethane
Concen: 4.953 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17



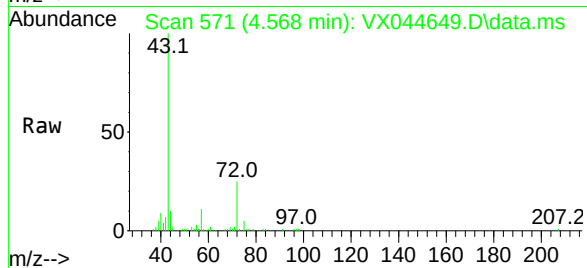
Tgt Ion: 63 Resp: 22655
Ion Ratio Lower Upper
63 100
98 8.0 3.6 10.9
100 4.4 2.5 7.5





#25
2-Butanone
Concen: 25.004 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

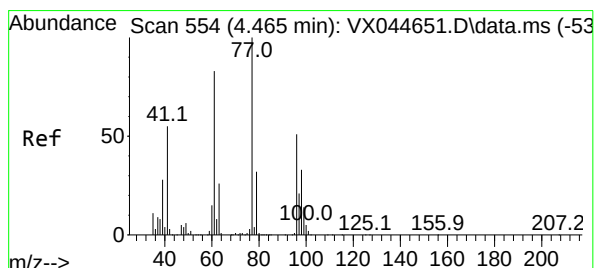
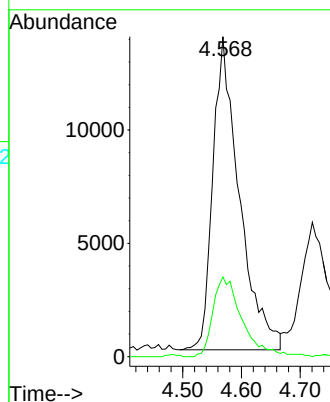
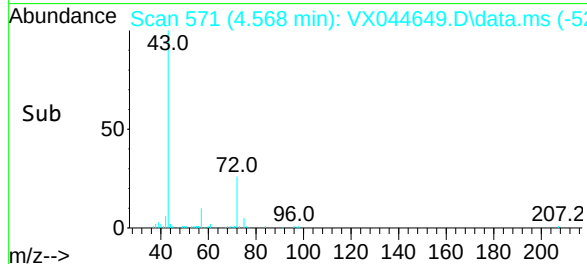
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 43210
Ion Ratio Lower Upper
43 100
72 25.0 21.7 32.5

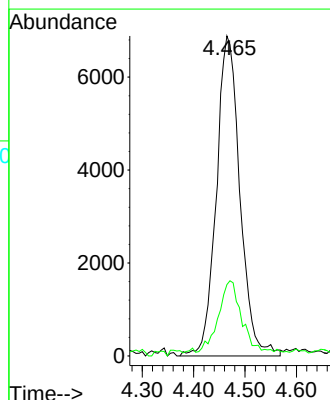
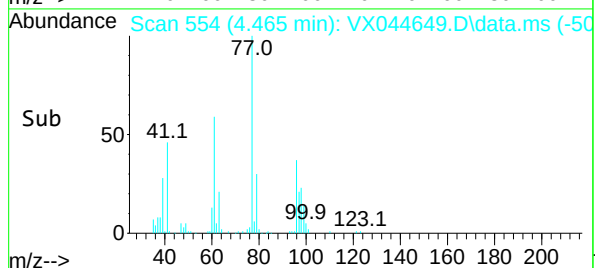
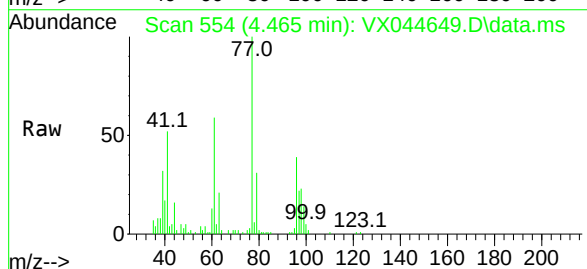
Manual Integrations
APPROVED

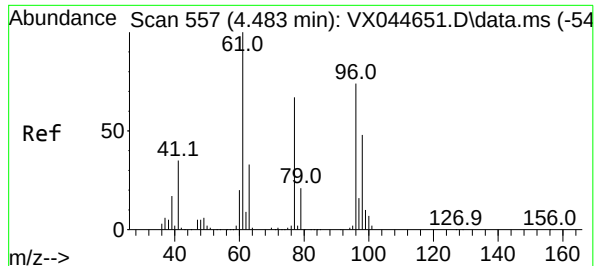
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#26
2,2-Dichloropropane
Concen: 4.957 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

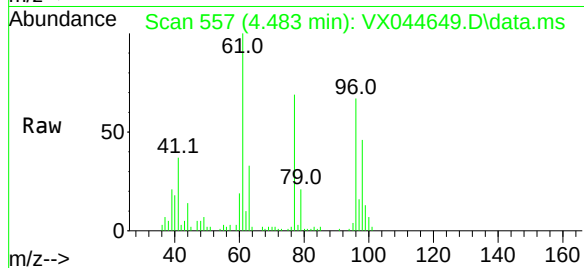
Tgt Ion: 77 Resp: 21972
Ion Ratio Lower Upper
77 100
97 22.5 10.9 32.6





#27
cis-1,2-Dichloroethene
Concen: 4.777 ug/l
RT: 4.483 min Scan# 511
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

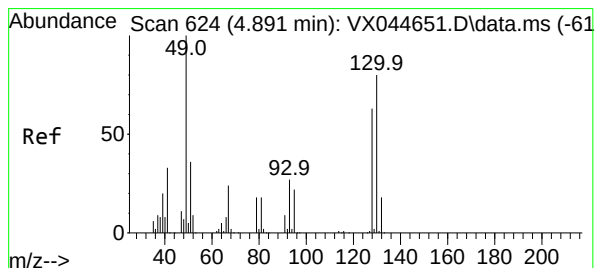
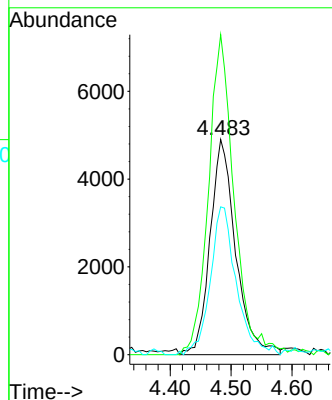
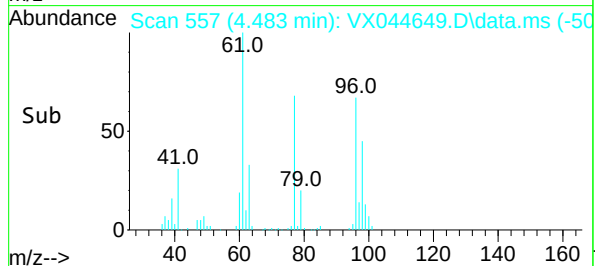
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 96 Resp: 1429
Ion Ratio Lower Upper
96 100
61 149.1 0.0 296.0
98 70.1 0.0 130.0

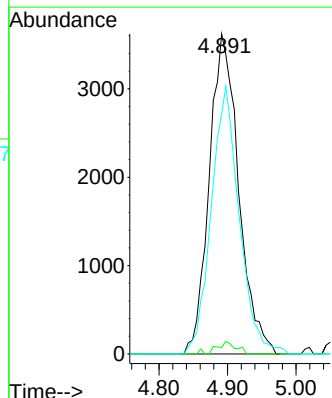
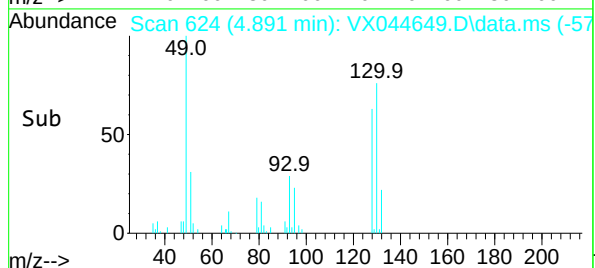
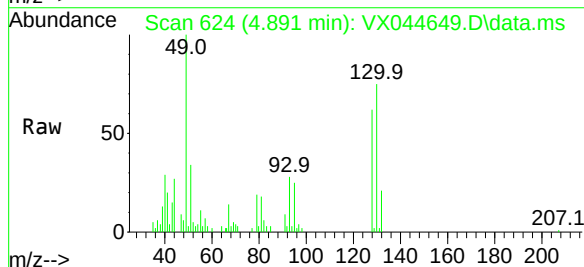
Manual Integrations
APPROVED

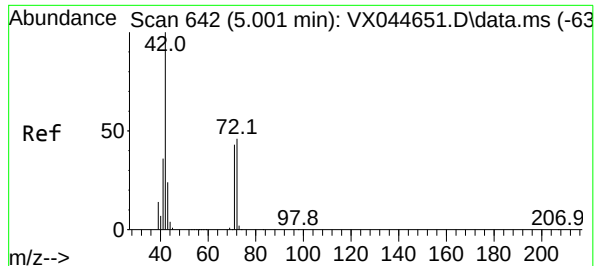
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#28
Bromochloromethane
Concen: 5.046 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 49 Resp: 10785
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.4
130 79.7 63.4 95.2





#29

Tetrahydrofuran

Concen: 24.762 ug/l

RT: 5.007 min Scan# 642

Delta R.T. 0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

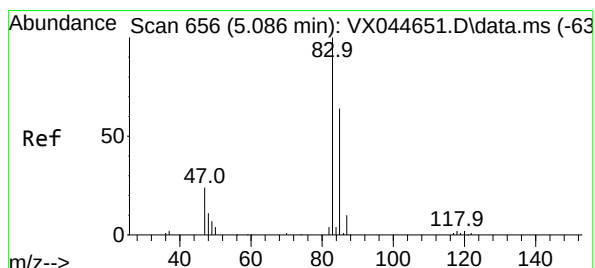
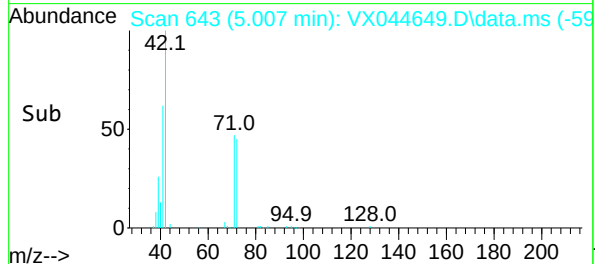
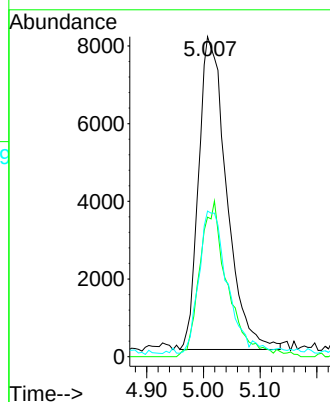
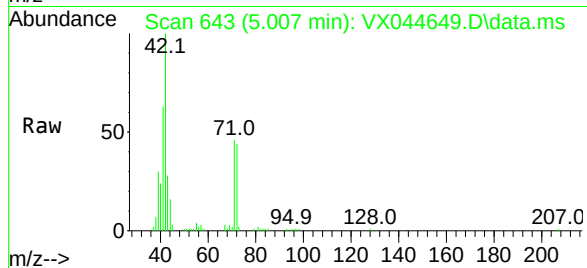
Tgt Ion:	42	Resp:	2760
Ion	Ratio	Lower	Upper
42	100		
72	48.8	38.2	57.4
71	46.1	35.3	52.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#30

Chloroform

Concen: 5.169 ug/l

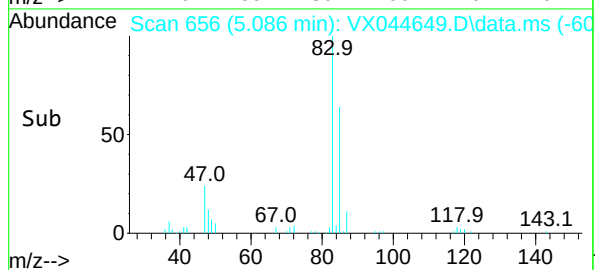
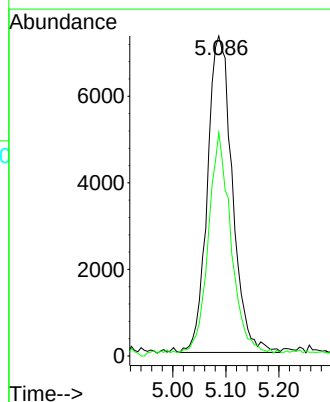
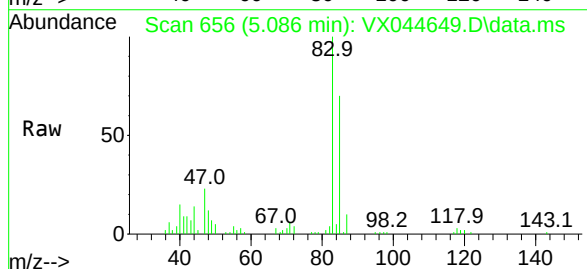
RT: 5.086 min Scan# 656

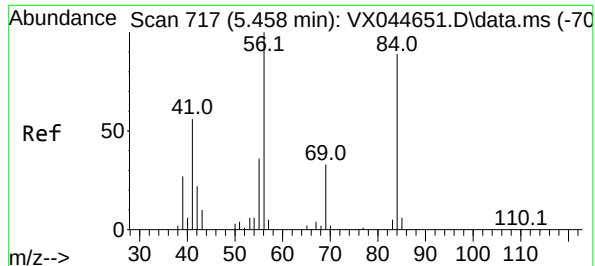
Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Tgt Ion:	83	Resp:	23860
Ion	Ratio	Lower	Upper
83	100		
85	69.4	51.2	76.8





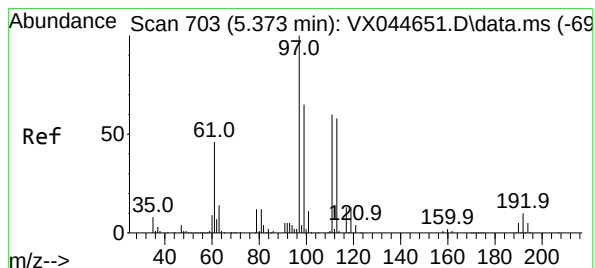
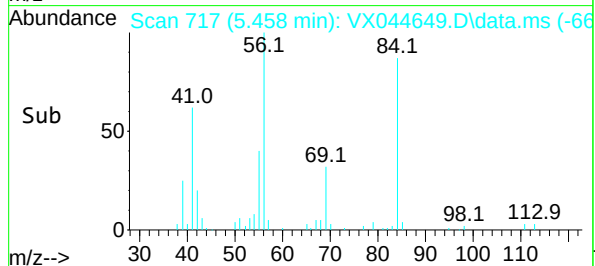
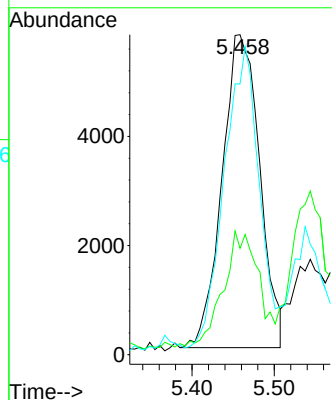
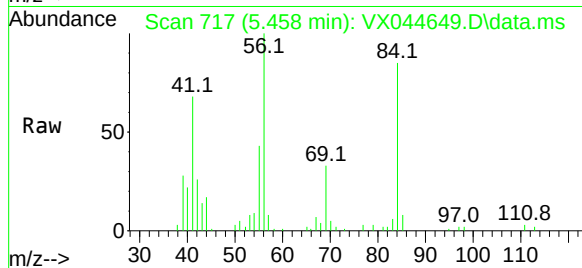
#31
Cyclohexane
Concen: 4.934 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 1825
Ion Ratio Lower Upper
56 100
69 30.5 26.8 40.2
84 83.4 71.0 106.4

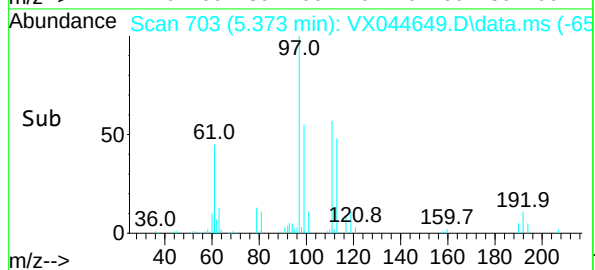
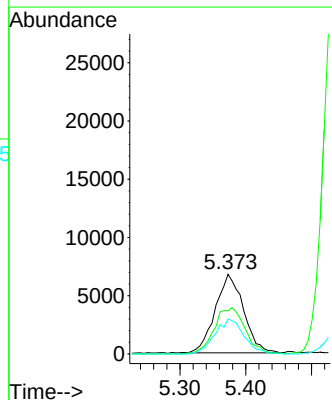
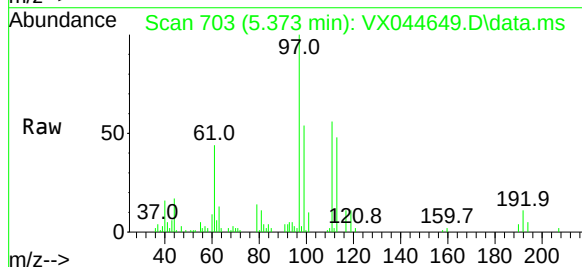
Manual Integrations
APPROVED

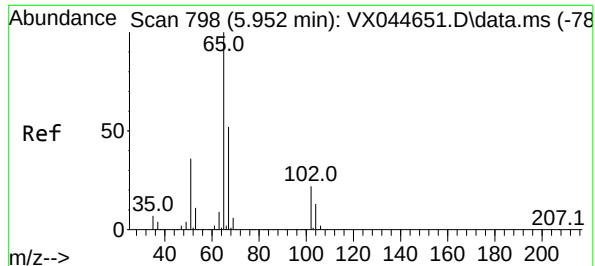
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#32
1,1,1-Trichloroethane
Concen: 4.753 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 97 Resp: 20169
Ion Ratio Lower Upper
97 100
99 64.4 51.6 77.4
61 45.9 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 5.717 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 1679

Ion Ratio Lower Upper

65 100

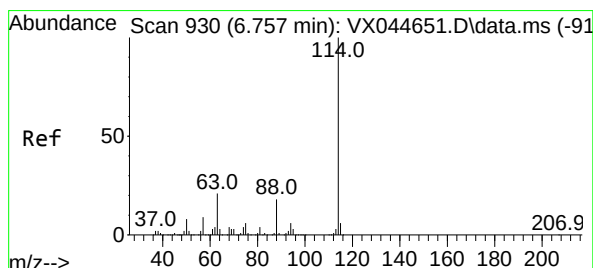
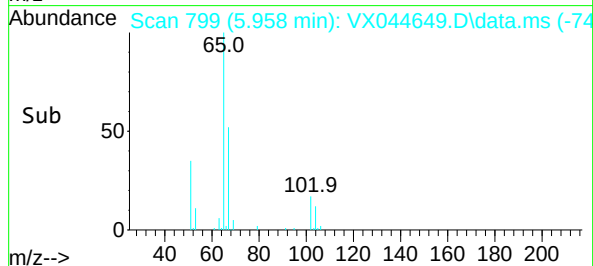
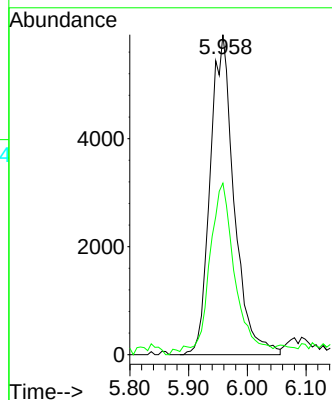
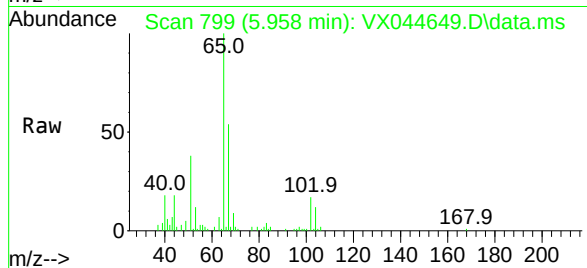
67 56.9 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

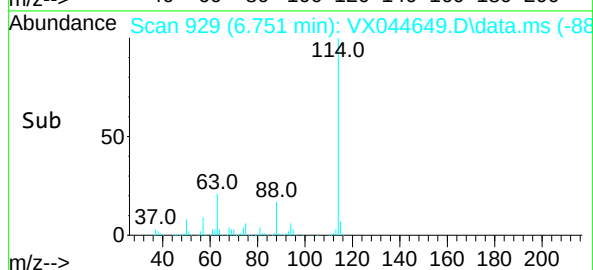
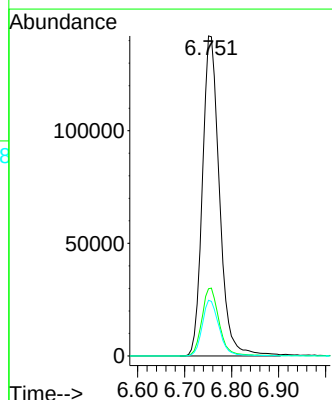
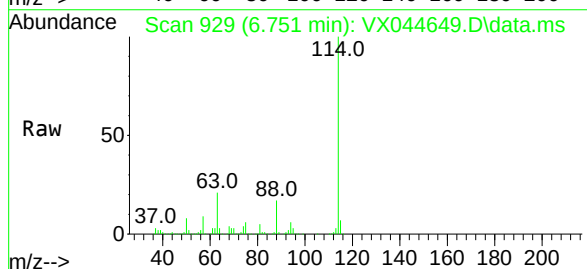
Tgt Ion:114 Resp: 357706

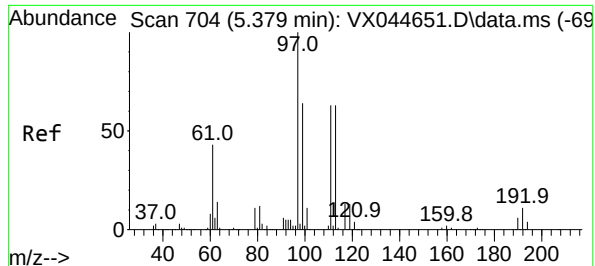
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.0

88 17.4 0.0 35.4





#35

Dibromofluoromethane

Concen: 5.594 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

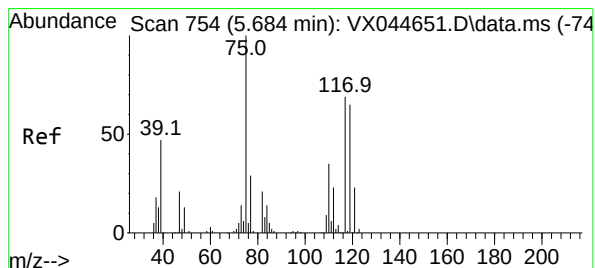
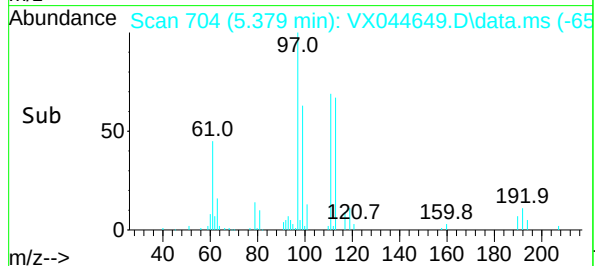
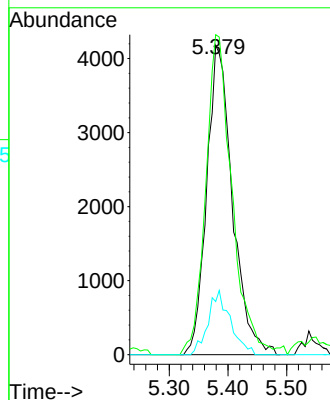
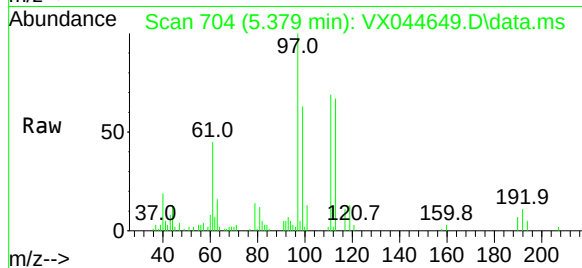
Tgt Ion:	113	Resp:	1271
Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.6	122.4
192	17.9	14.4	21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#36

1,1-Dichloropropene

Concen: 4.754 ug/l

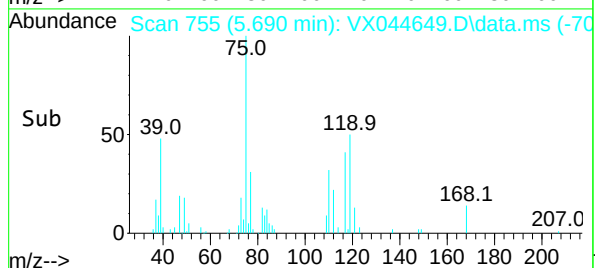
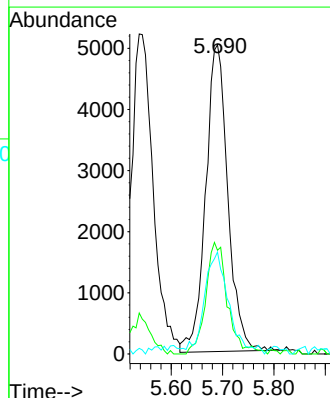
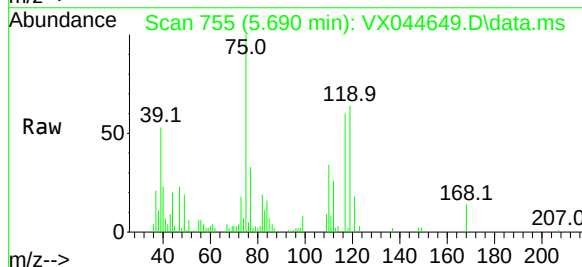
RT: 5.690 min Scan# 755

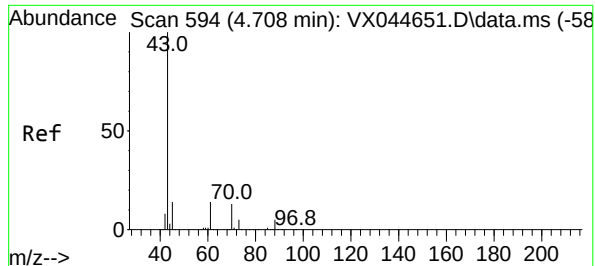
Delta R.T. 0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Tgt Ion:	75	Resp:	15040
Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.9	53.8
77	36.6	24.5	36.7





#37

Ethyl Acetate

Concen: 5.150 ug/l

RT: 4.721 min Scan# 594

Delta R.T. 0.012 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

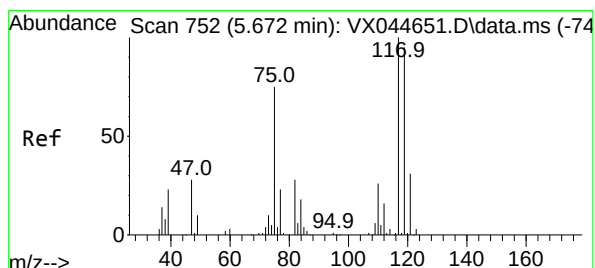
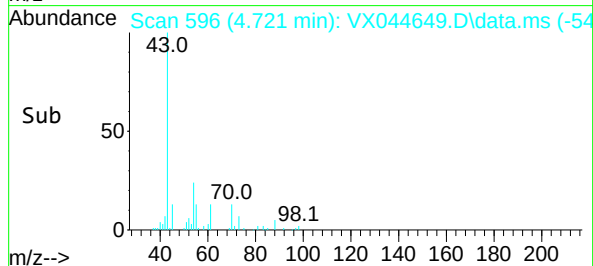
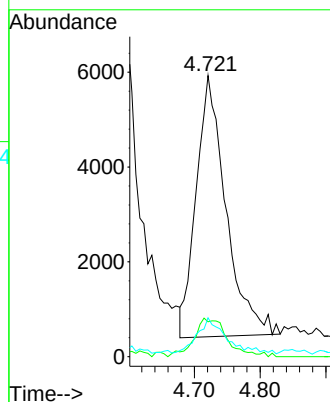
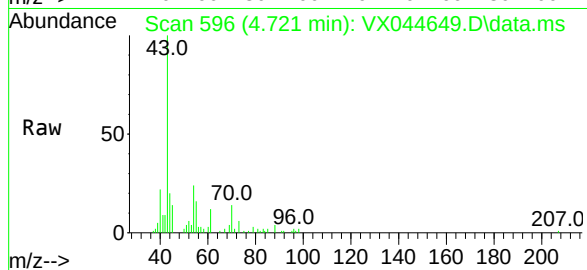
VSTDIC005

Tgt Ion:	43	Resp:	17349
Ion	Ratio	Lower	Upper
43	100		
61	16.3	10.9	16.3
70	14.1	10.1	15.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#38

Carbon Tetrachloride

Concen: 5.054 ug/l

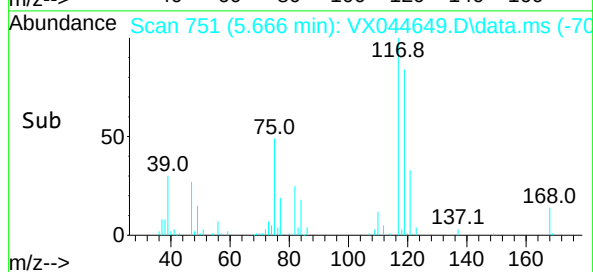
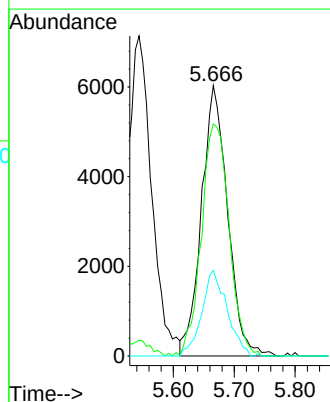
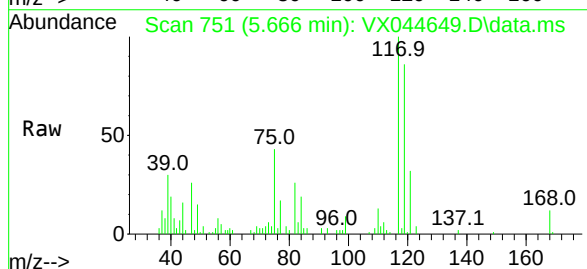
RT: 5.666 min Scan# 751

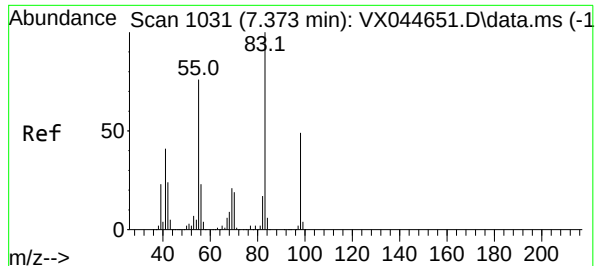
Delta R.T. -0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Tgt Ion:	117	Resp:	17983
Ion	Ratio	Lower	Upper
117	100		
119	85.8	76.0	114.0
121	31.6	24.6	36.8





#39

Methylcyclohexane

Concen: 4.727 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 1984

Ion Ratio Lower Upper

83 100

55 72.0 60.5 90.7

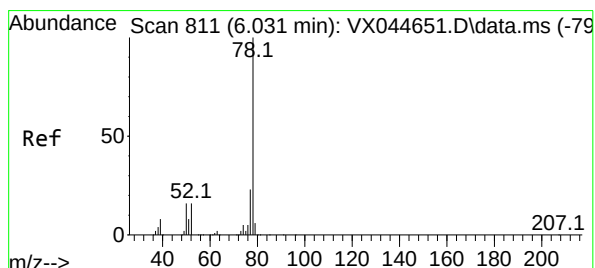
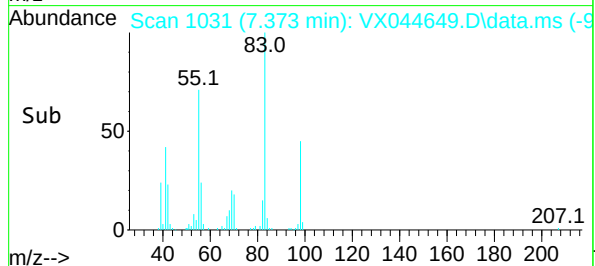
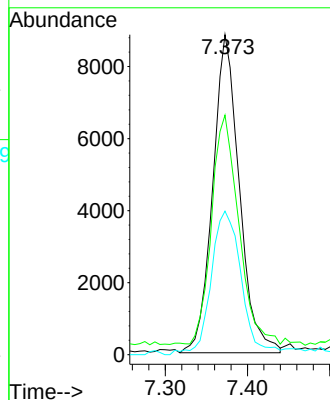
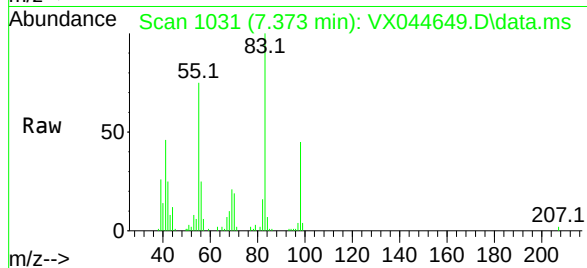
98 44.2 39.0 58.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#40

Benzene

Concen: 5.023 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX044649.D

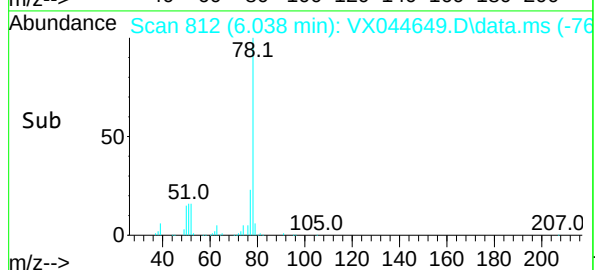
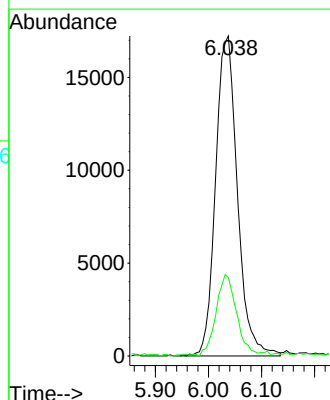
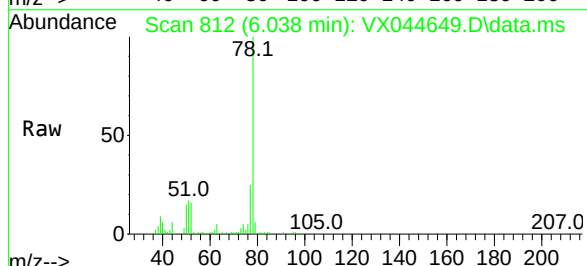
Acq: 15 Jan 2025 11:17

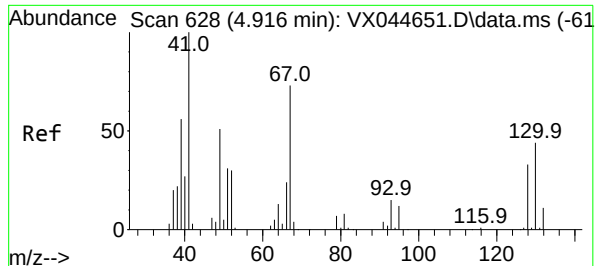
Tgt Ion: 78 Resp: 49235

Ion Ratio Lower Upper

78 100

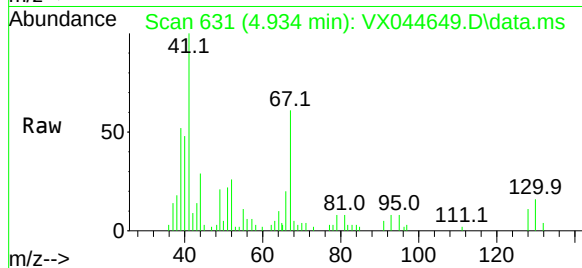
77 24.2 18.7 28.1





#41
Methacrylonitrile
Concen: 5.124 ug/l
RT: 4.934 min Scan# 61
Delta R.T. 0.018 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

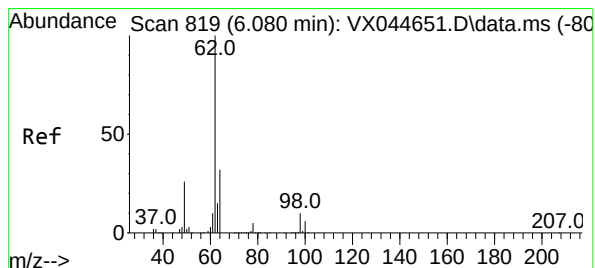
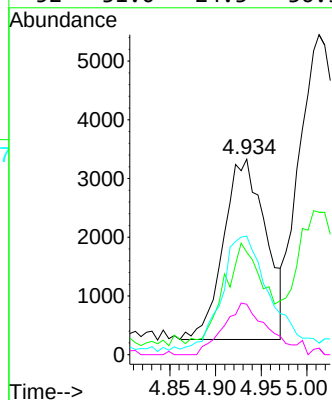
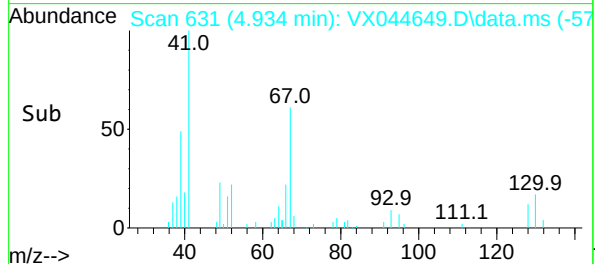
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 41 Resp: 9920
Ion Ratio Lower Upper
41 100
39 52.9 44.4 66.6
67 74.3 60.6 90.8
52 31.0 24.3 36.5

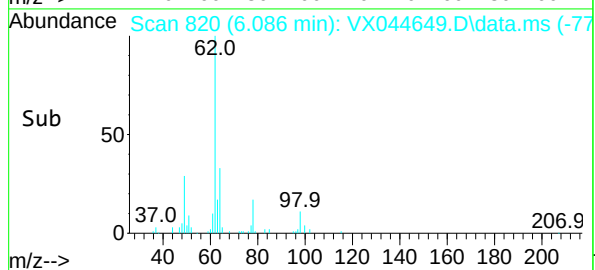
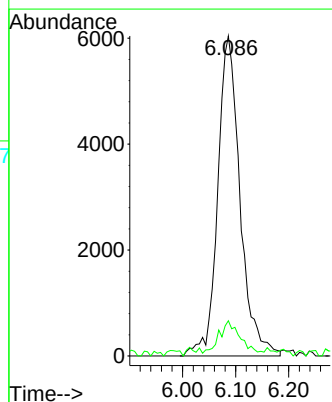
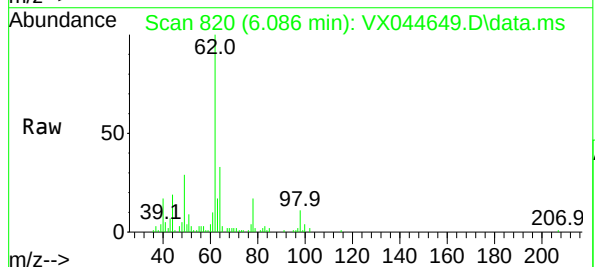
Manual Integrations
APPROVED

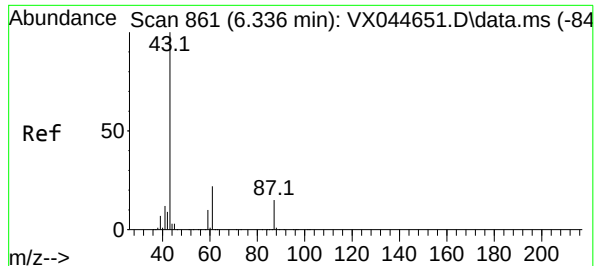
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#42
1,2-Dichloroethane
Concen: 4.941 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 62 Resp: 17678
Ion Ratio Lower Upper
62 100
98 10.9 0.0 19.4





#43

Isopropyl Acetate

Concen: 4.877 ug/l

RT: 6.342 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

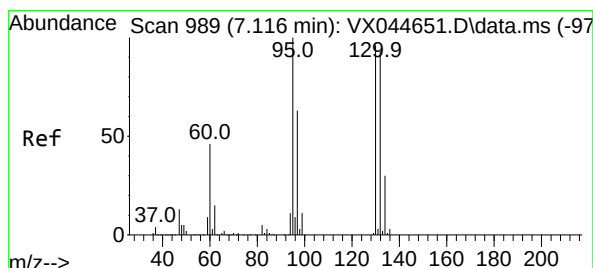
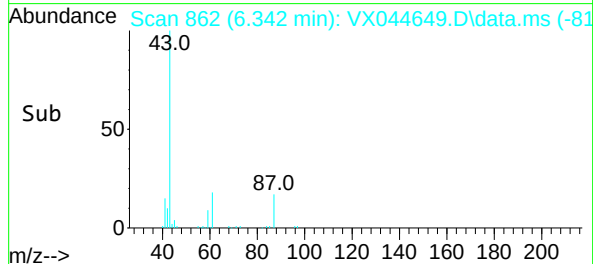
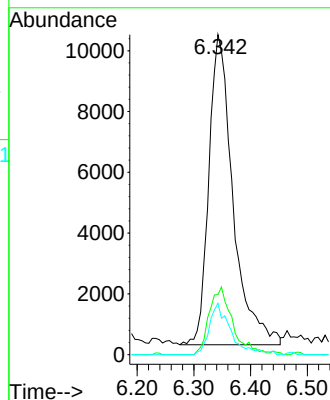
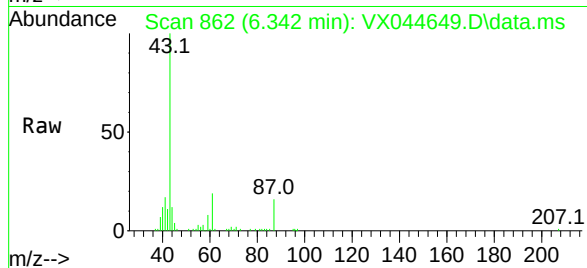
ClientSampleId :

VSTDIC005

Tgt Ion: 43	Resp: 30220
Ion Ratio	Lower Upper
43 100	
61 21.0	16.6 24.8
87 14.7	11.0 16.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#44

Trichloroethene

Concen: 4.849 ug/l

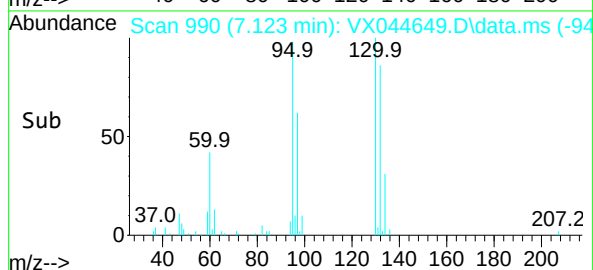
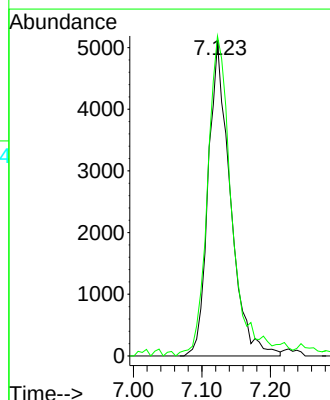
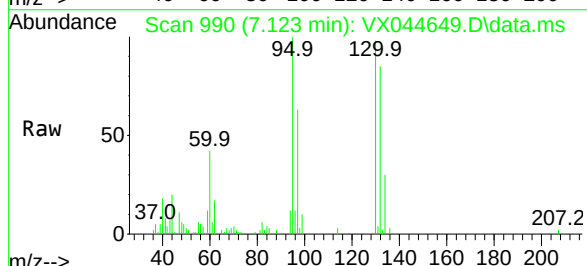
RT: 7.123 min Scan# 990

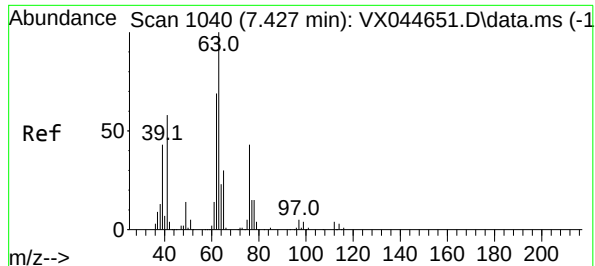
Delta R.T. 0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Tgt Ion:130	Resp: 11427
Ion Ratio	Lower Upper
130 100	
95 100.7	0.0 208.2





#45

1,2-Dichloropropane

Concen: 5.199 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 12829

Ion Ratio Lower Upper

63 100

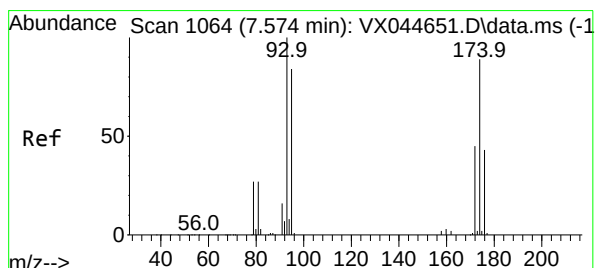
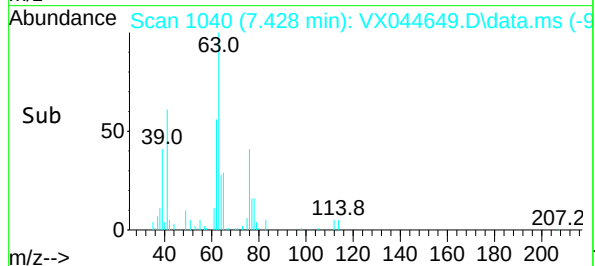
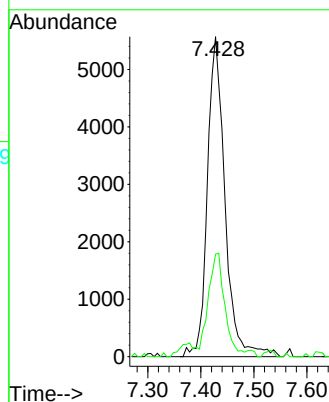
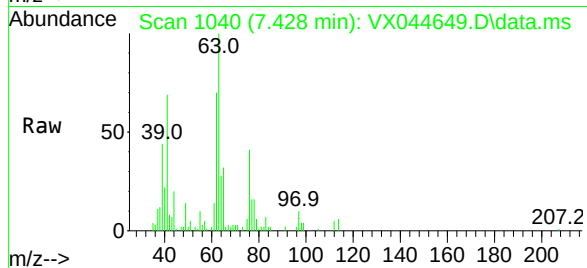
65 32.0 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#46

Dibromomethane

Concen: 5.156 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

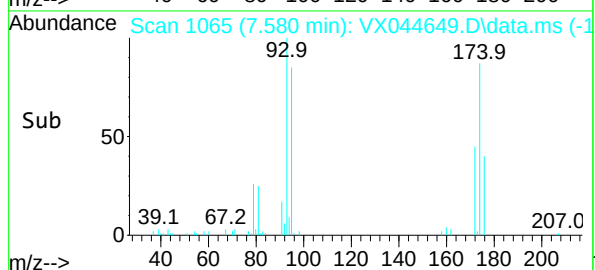
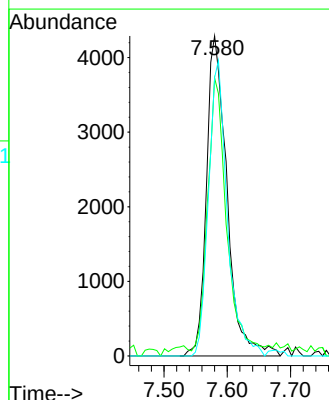
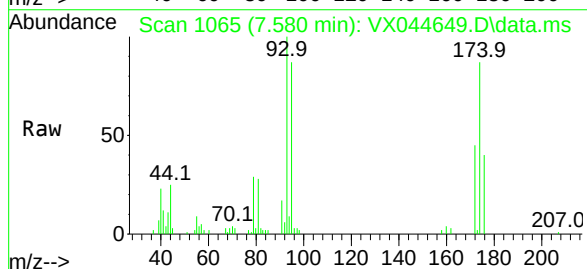
Tgt Ion: 93 Resp: 9684

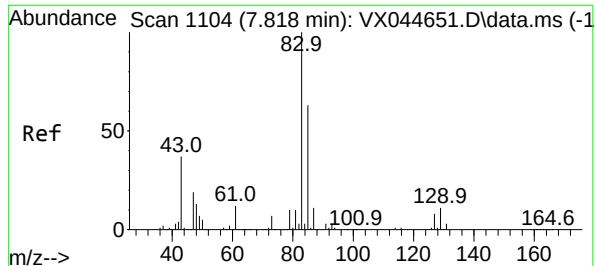
Ion Ratio Lower Upper

93 100

95 77.5 66.4 99.6

174 84.6 72.0 108.0





#47

Bromodichloromethane

Concen: 4.923 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

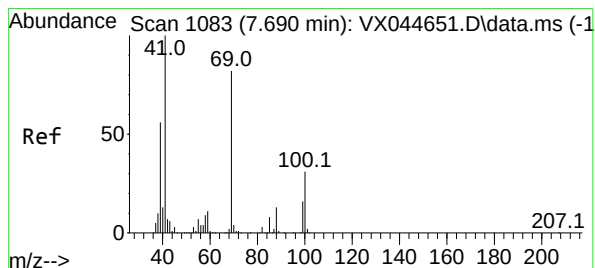
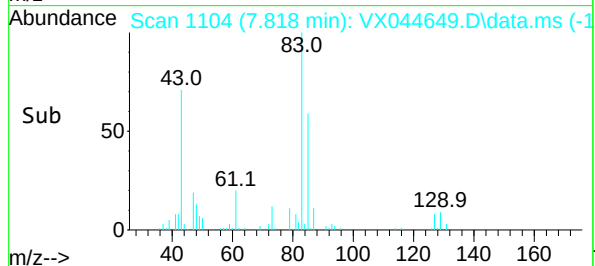
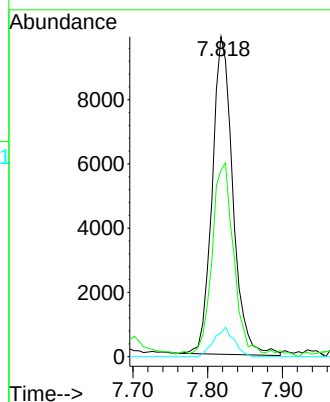
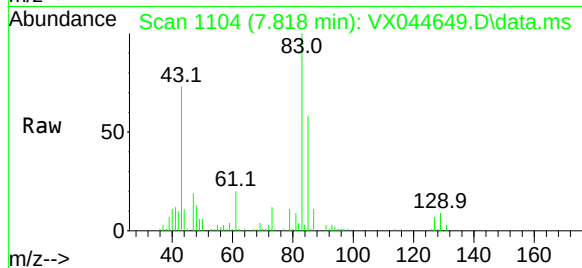
Tgt Ion:	83	Resp:	1896
Ion	Ratio	Lower	Upper
83	100		
85	57.7	50.1	75.1
127	7.5	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#48

Methyl methacrylate

Concen: 4.844 ug/l

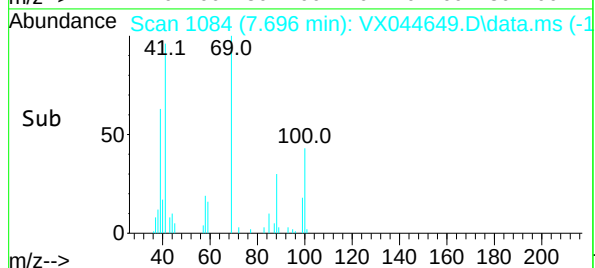
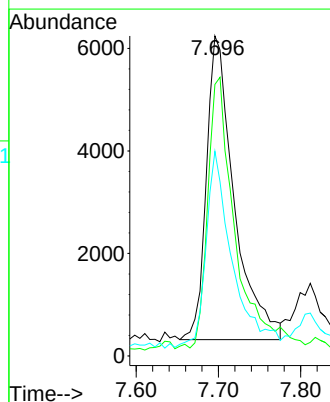
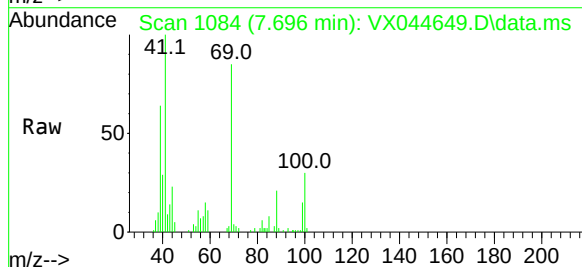
RT: 7.696 min Scan# 1084

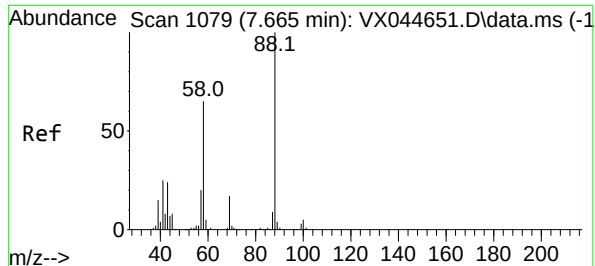
Delta R.T. 0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Tgt Ion:	41	Resp:	13933
Ion	Ratio	Lower	Upper
41	100		
69	86.9	66.8	100.2
39	60.6	47.4	71.0





#49

1,4-Dioxane

Concen: 94.542 ug/l

RT: 7.677 min Scan# 1079

Delta R.T. 0.012 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

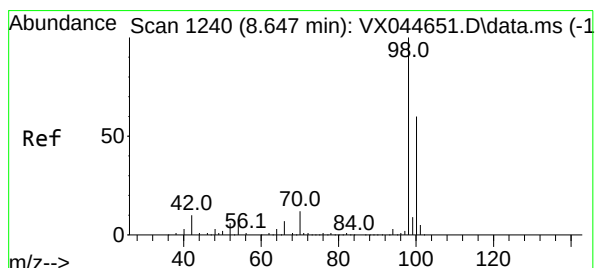
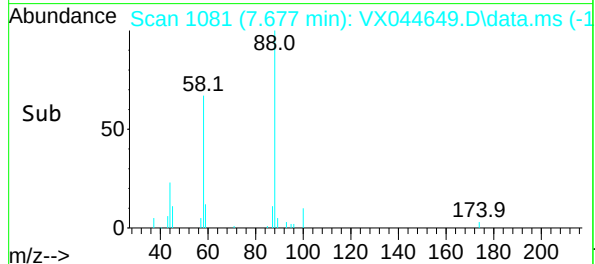
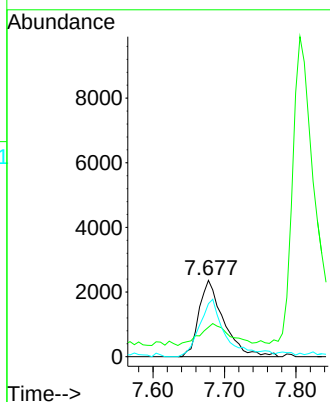
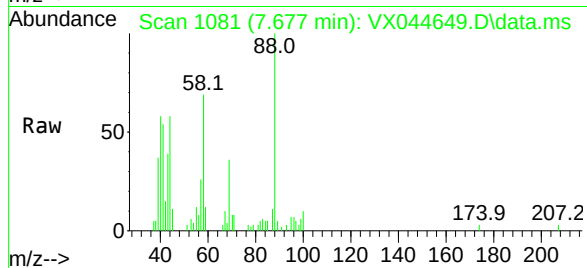
Tgt Ion:	88	Resp:	5674
Ion	Ratio	Lower	Upper
88	100		
43	34.3	27.0	40.4
58	74.9	55.8	83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#50

Toluene-d8

Concen: 5.733 ug/l

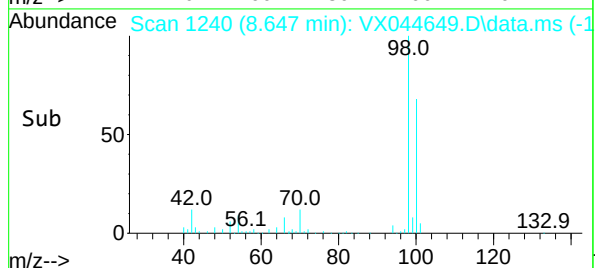
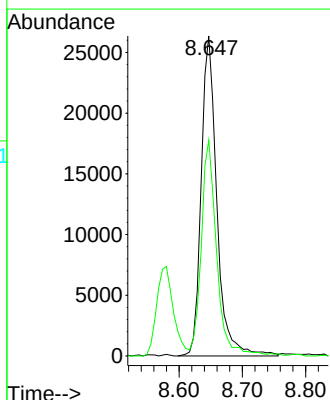
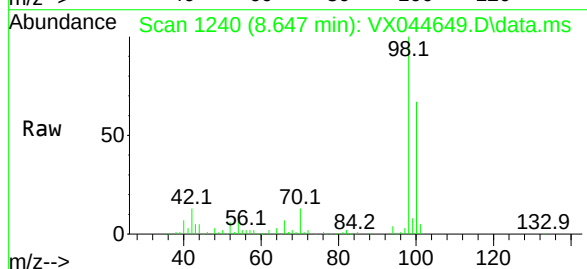
RT: 8.647 min Scan# 1240

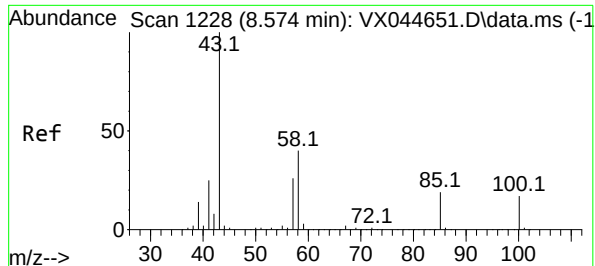
Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Tgt Ion:	98	Resp:	45425
Ion	Ratio	Lower	Upper
98	100		
100	64.1	53.2	79.8





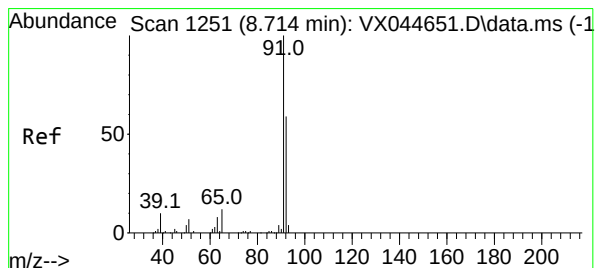
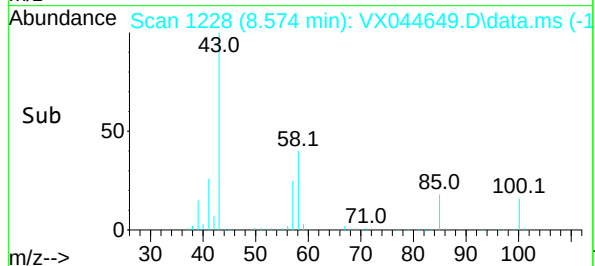
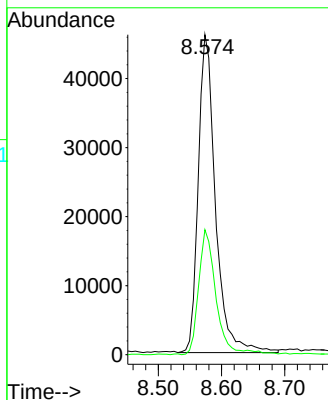
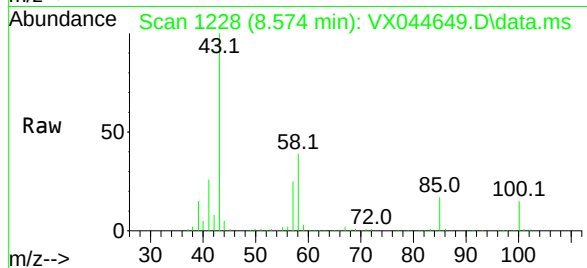
#51
4-Methyl-2-Pentanone
Concen: 25.551 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 8750
Ion Ratio Lower Upper
43 100
58 38.4 31.9 47.9

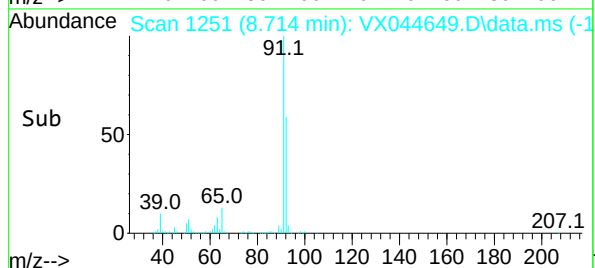
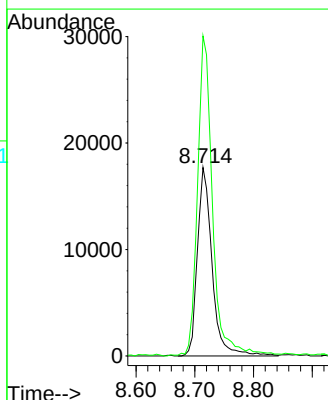
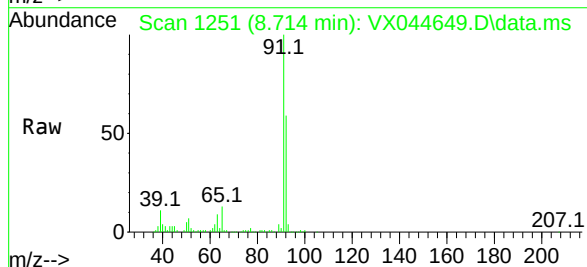
Manual Integrations
APPROVED

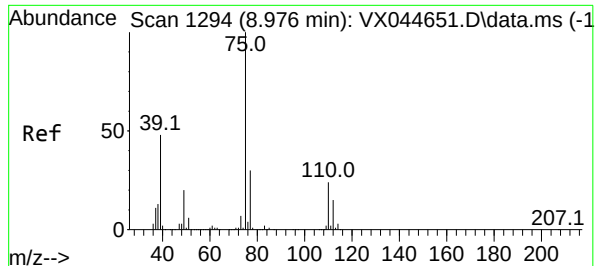
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#52
Toluene
Concen: 5.149 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 92 Resp: 30892
Ion Ratio Lower Upper
92 100
91 173.3 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 4.954 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 19714

Ion Ratio Lower Upper

75 100

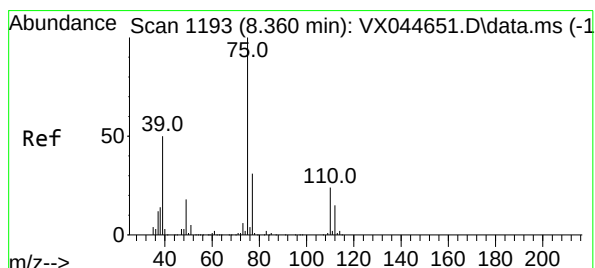
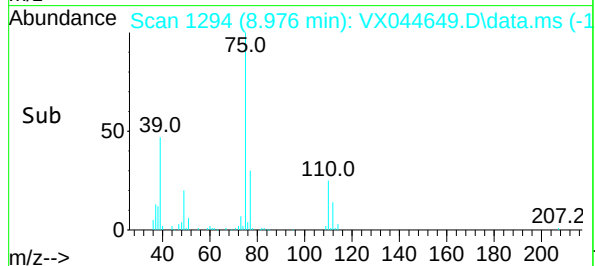
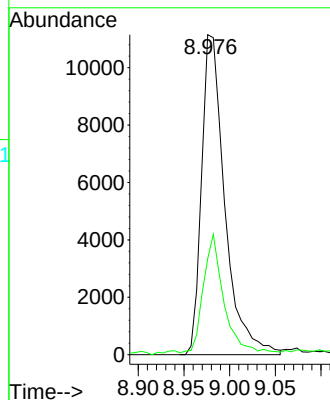
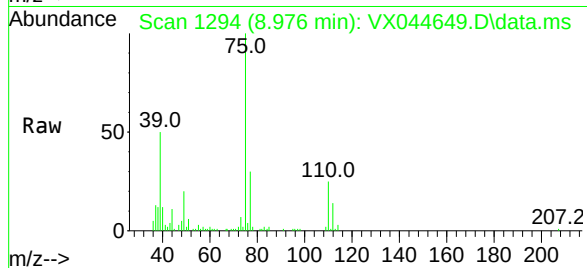
77 29.4 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#54

cis-1,3-Dichloropropene

Concen: 4.879 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

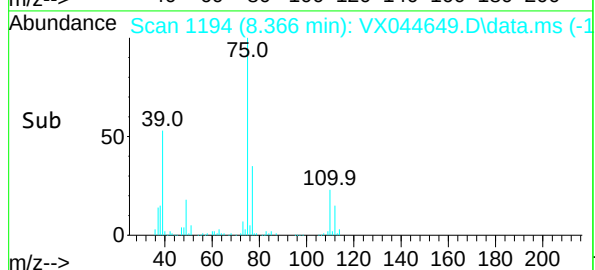
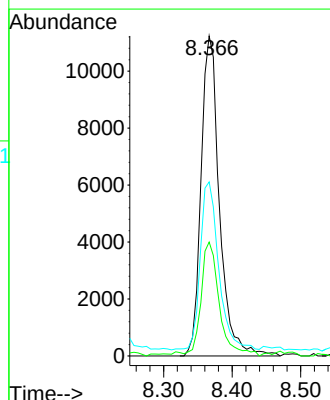
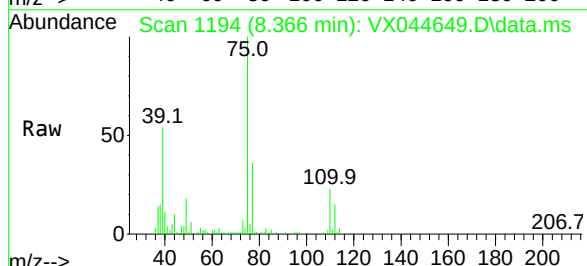
Tgt Ion: 75 Resp: 21054

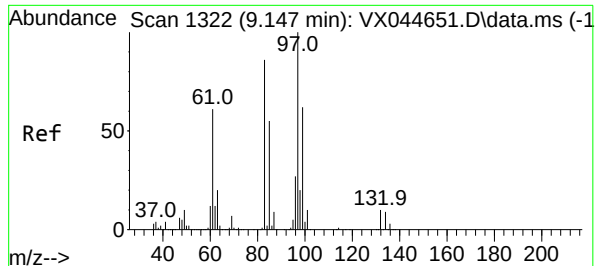
Ion Ratio Lower Upper

75 100

77 34.6 25.1 37.7

39 52.2 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 5.037 ug/l

RT: 9.153 min Scan# 1322

Delta R.T. 0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 97 Resp: 1222

Ion Ratio Lower Upper

97 100

83 84.6 68.8 103.2

85 54.6 43.7 65.5

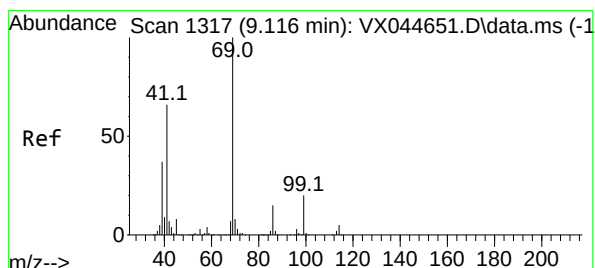
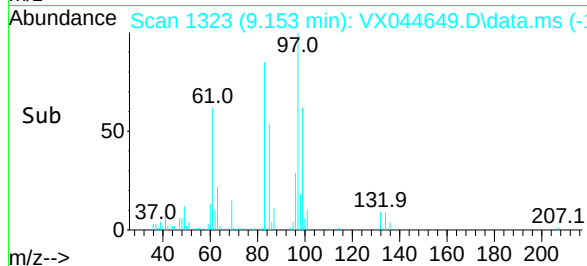
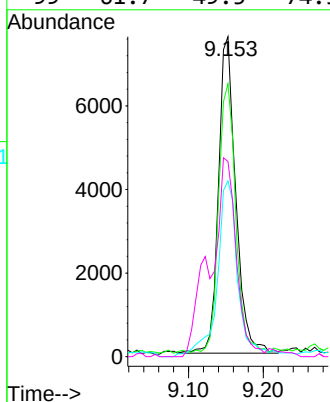
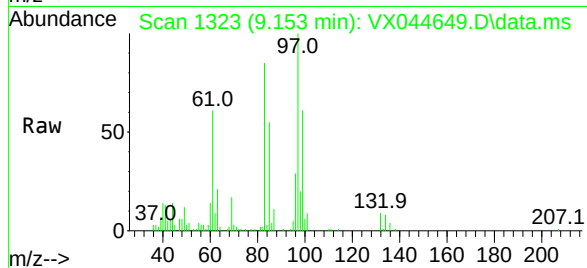
99 61.7 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#56

Ethyl methacrylate

Concen: 4.935 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

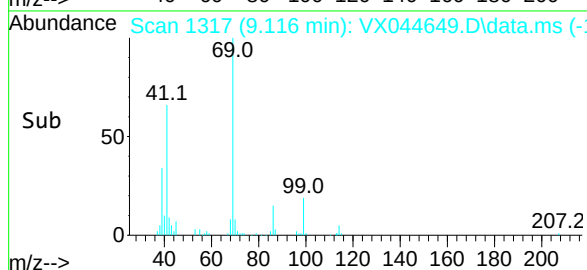
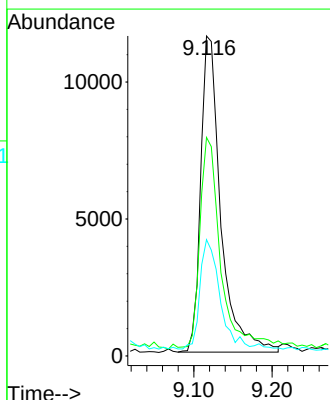
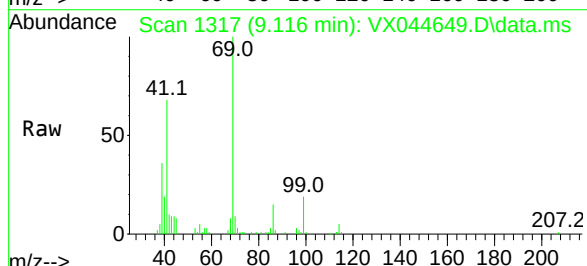
Tgt Ion: 69 Resp: 20596

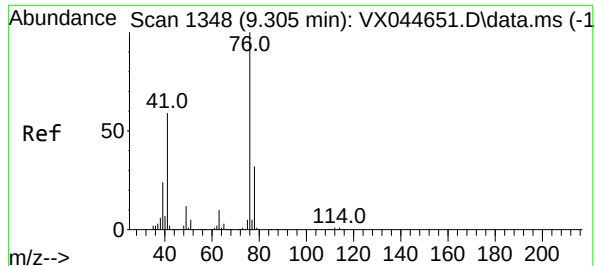
Ion Ratio Lower Upper

69 100

41 68.9 53.2 79.8

39 33.8 30.2 45.2





#57

1,3-Dichloropropane

Concen: 5.142 ug/l

RT: 9.305 min Scan# 1148

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 76 Resp: 2125

Ion Ratio Lower Upper

76 100

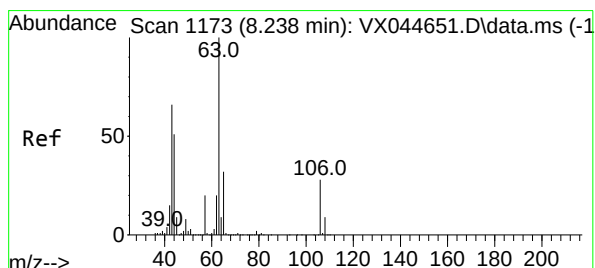
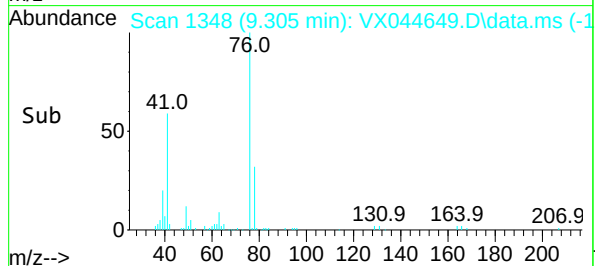
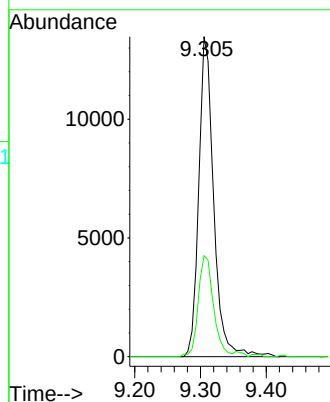
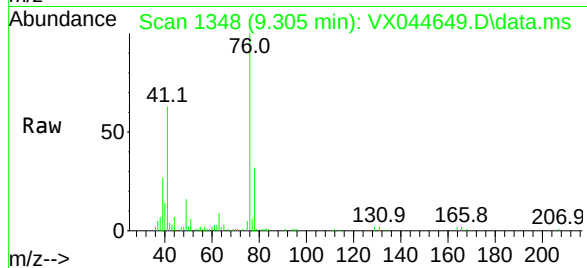
78 32.2 26.0 39.0

Manual Integrations

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Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#58

2-Chloroethyl Vinyl ether

Concen: 24.557 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044649.D

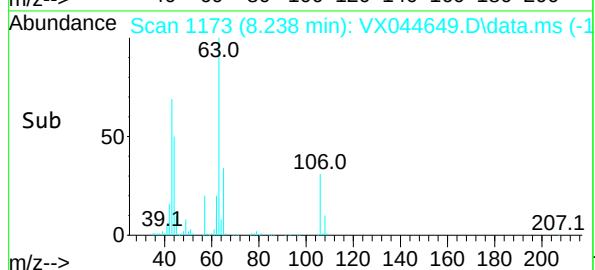
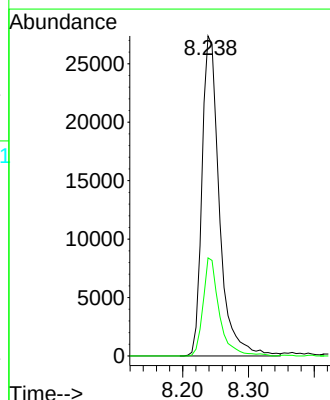
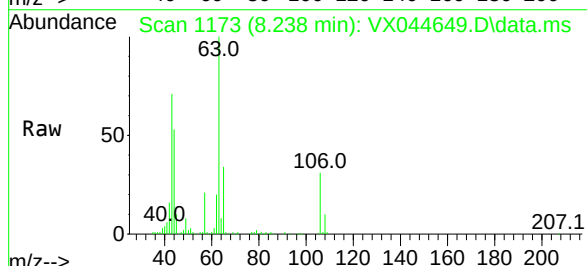
Acq: 15 Jan 2025 11:17

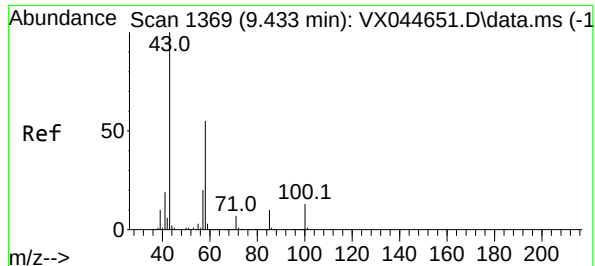
Tgt Ion: 63 Resp: 50319

Ion Ratio Lower Upper

63 100

106 28.7 23.0 34.6





#59

2-Hexanone

Concen: 25.395 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 6398

Ion Ratio Lower Upper

43 100

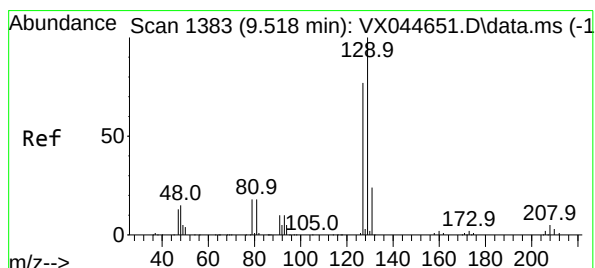
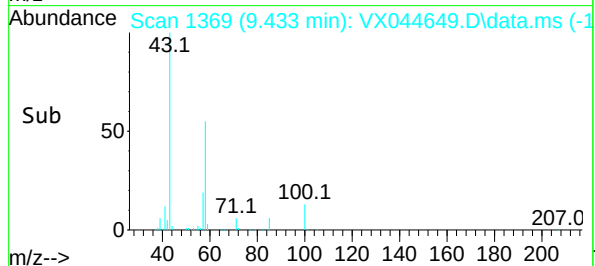
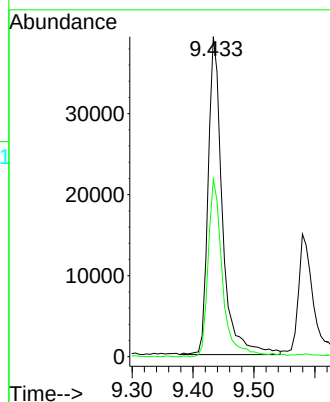
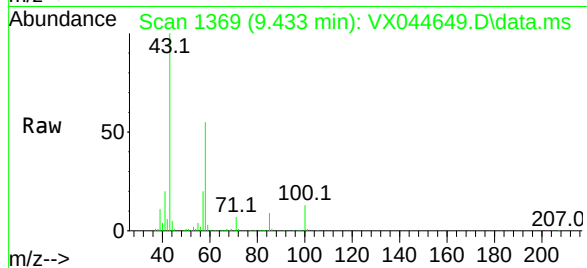
58 55.5 27.8 83.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#60

Dibromochloromethane

Concen: 5.108 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044649.D

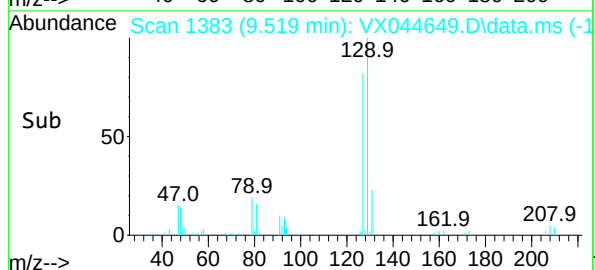
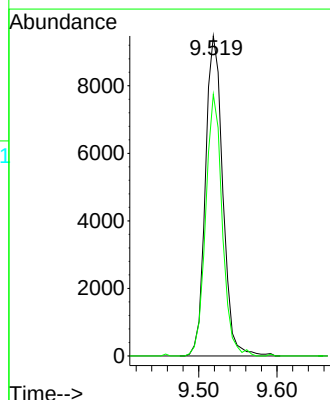
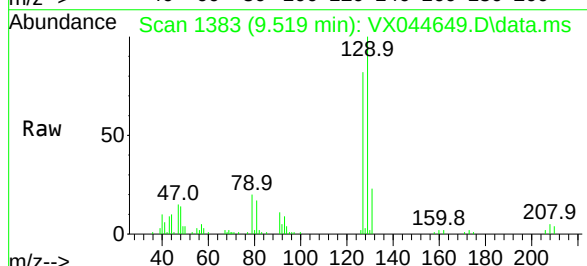
Acq: 15 Jan 2025 11:17

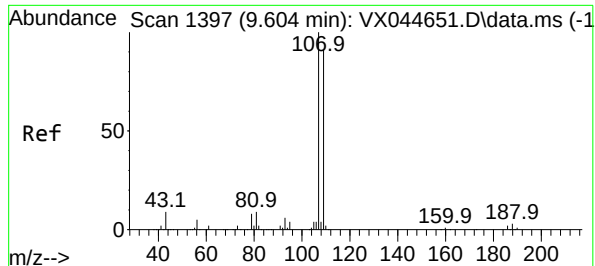
Tgt Ion:129 Resp: 14553

Ion Ratio Lower Upper

129 100

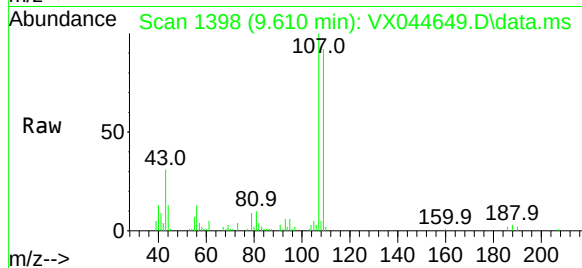
127 78.0 38.5 115.5





#61
1,2-Dibromoethane
Concen: 5.077 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

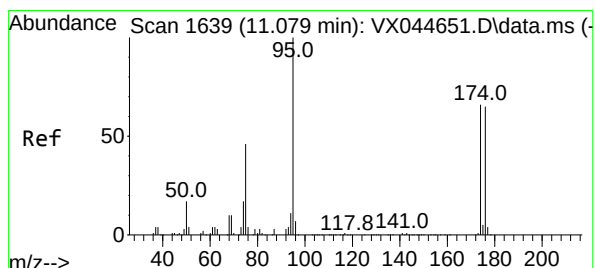
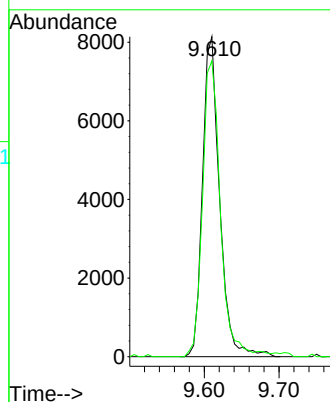
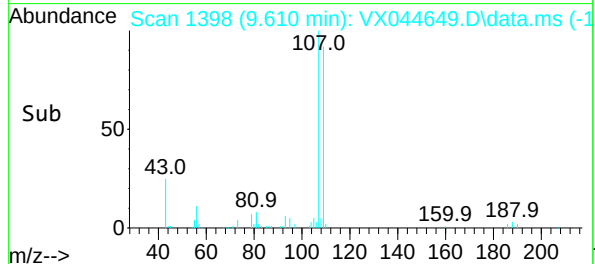
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 107 Resp: 12910
Ion Ratio Lower Upper
107 100
109 97.2 75.3 112.9

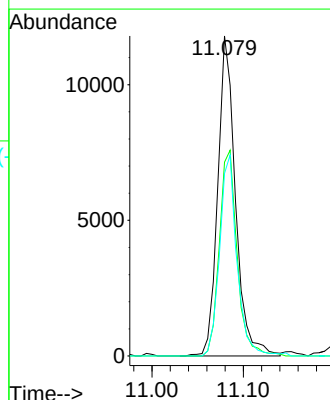
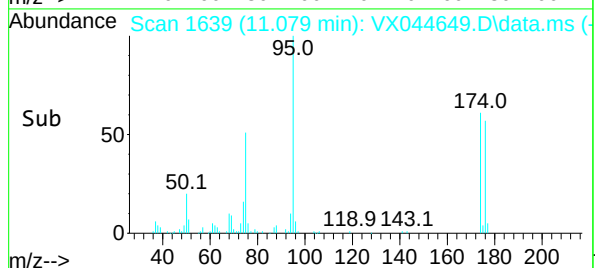
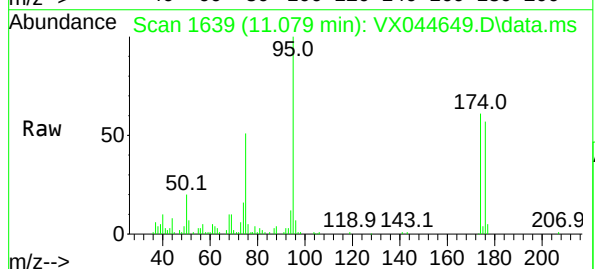
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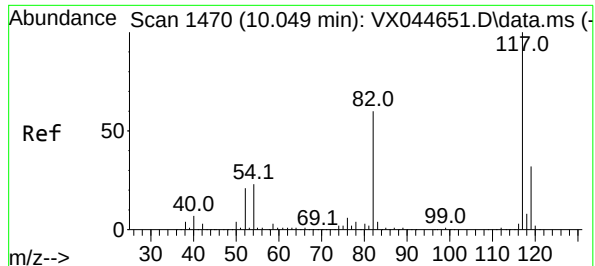
Reviewed By : John Carlone 01/15/2025
Supervised By : Semsettin Yesilyurt 01/16/2025



#62
4-Bromofluorobenzene
Concen: 5.386 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

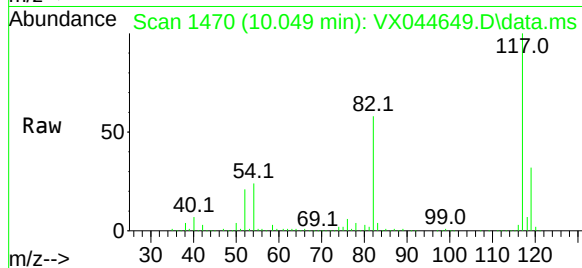
Tgt Ion: 95 Resp: 15909
Ion Ratio Lower Upper
95 100
174 64.6 0.0 133.0
176 61.6 0.0 129.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

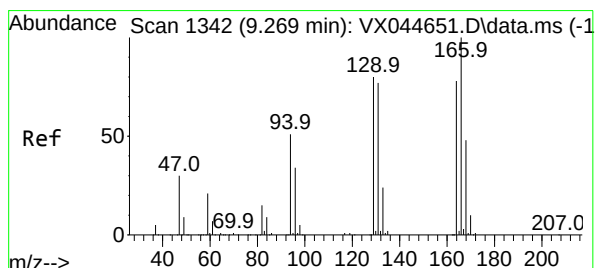
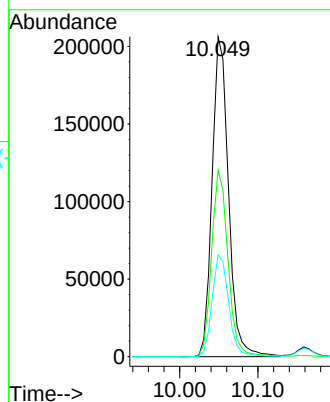
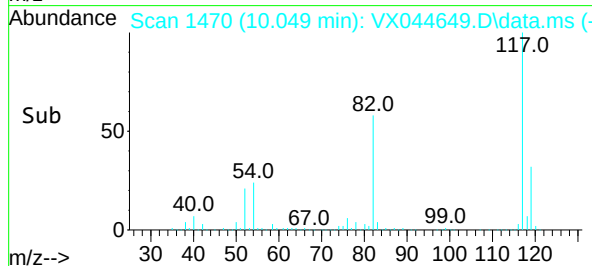
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:117 Resp: 30016
Ion Ratio Lower Upper
117 100
82 58.3 47.6 71.4
119 31.9 25.4 38.2

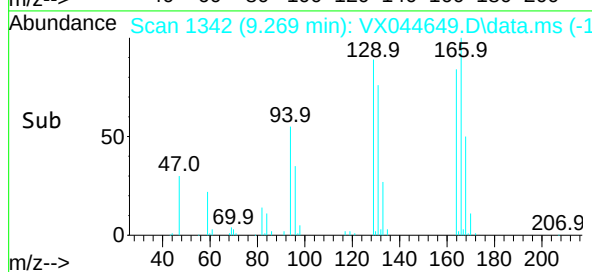
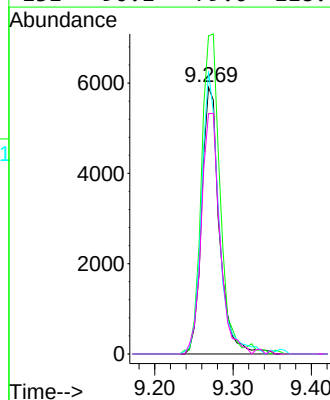
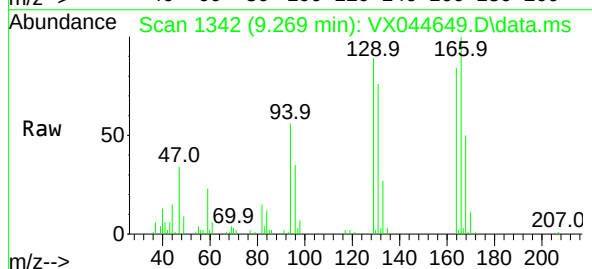
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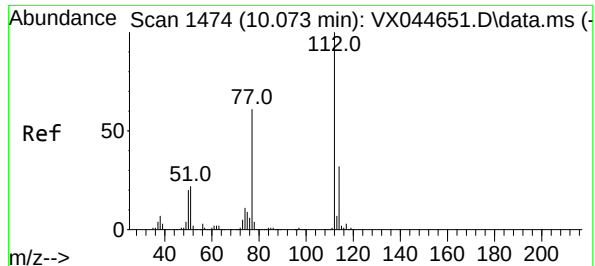
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#64
Tetrachloroethene
Concen: 4.920 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

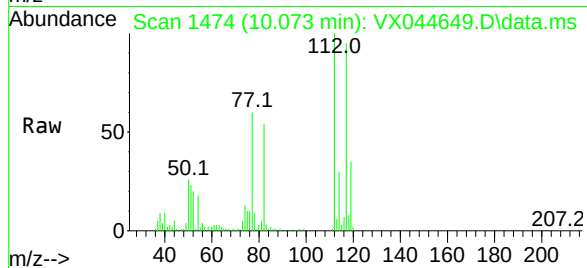
Tgt Ion:164 Resp: 9274
Ion Ratio Lower Upper
164 100
166 119.3 102.0 153.0
129 106.0 81.1 121.7
131 90.1 79.0 118.6





#65
Chlorobenzene
Concen: 5.109 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

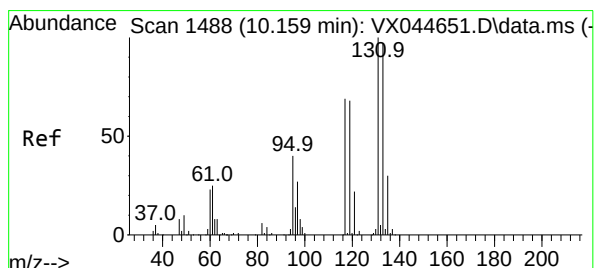
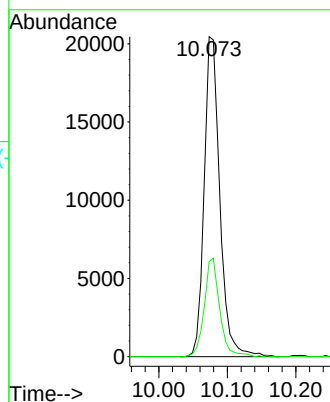
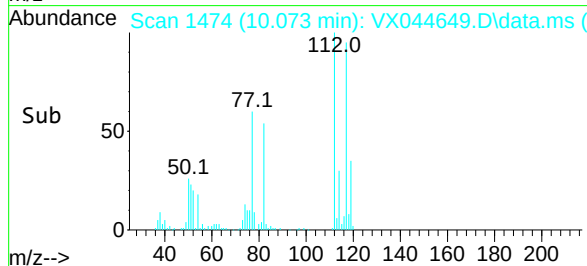
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:112 Resp: 3257
Ion Ratio Lower Upper
112 100
114 29.8 25.3 37.9

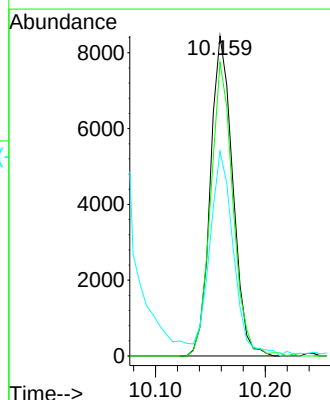
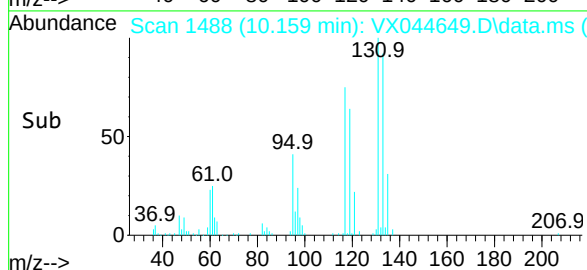
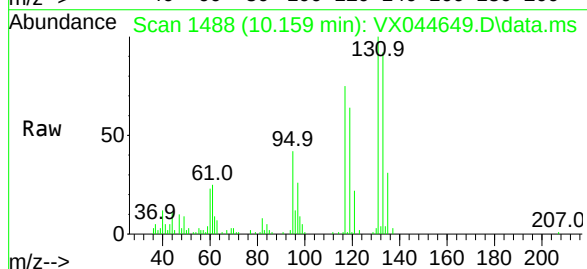
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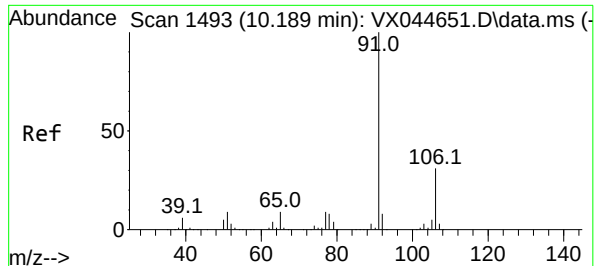
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 5.160 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:131 Resp: 11955
Ion Ratio Lower Upper
131 100
133 91.8 47.8 143.3
119 67.1 33.4 100.2





#67

Ethyl Benzene

Concen: 4.963 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 91 Resp: 55208

Ion Ratio Lower Upper

91 100

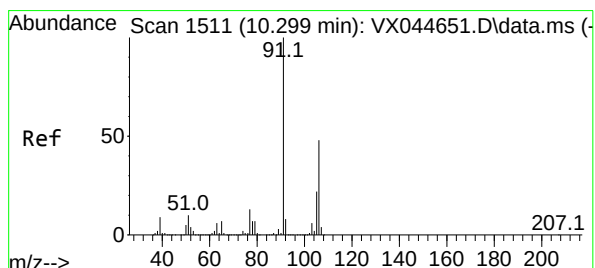
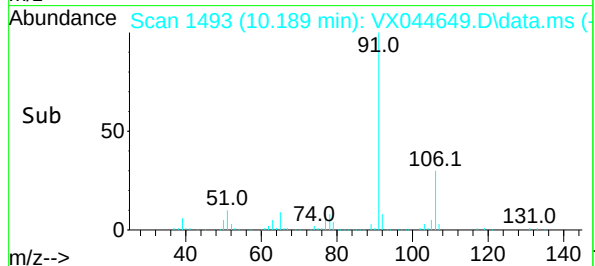
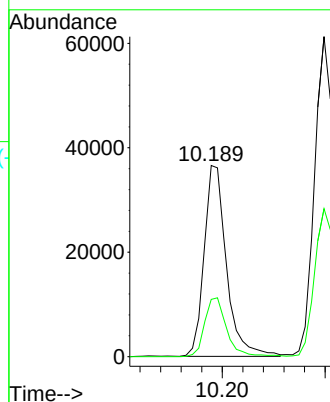
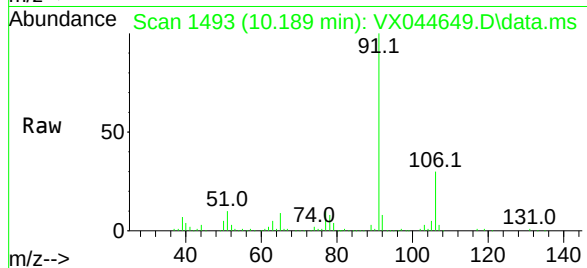
106 30.0 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#68

m/p-Xylenes

Concen: 10.129 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044649.D

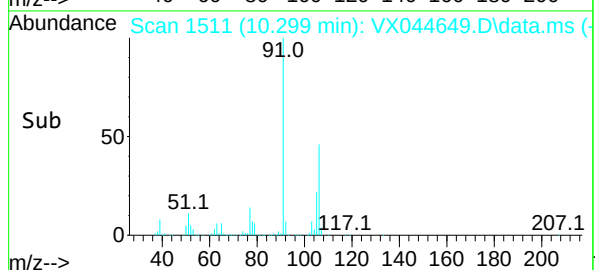
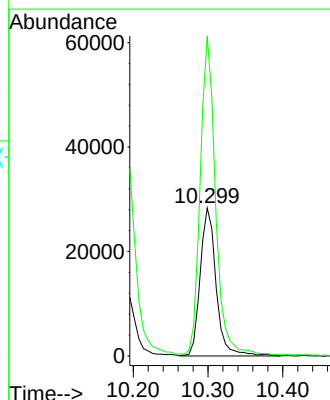
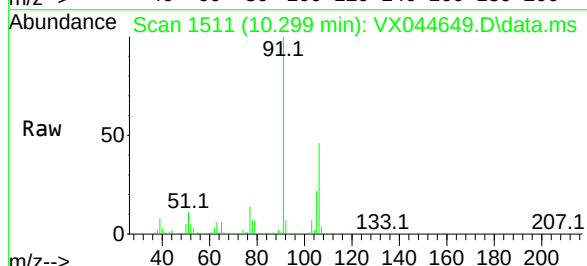
Acq: 15 Jan 2025 11:17

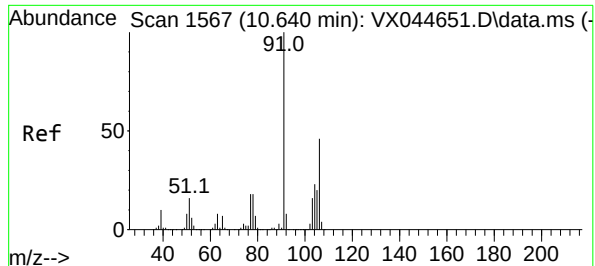
Tgt Ion:106 Resp: 41816

Ion Ratio Lower Upper

106 100

91 206.3 166.4 249.6





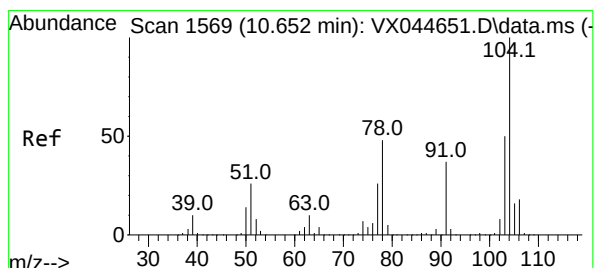
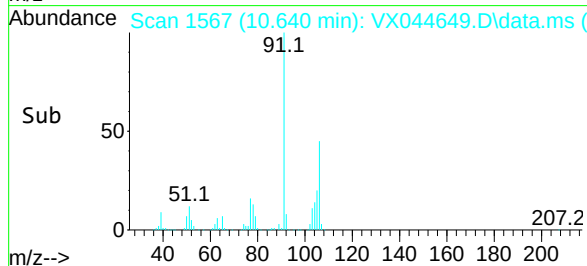
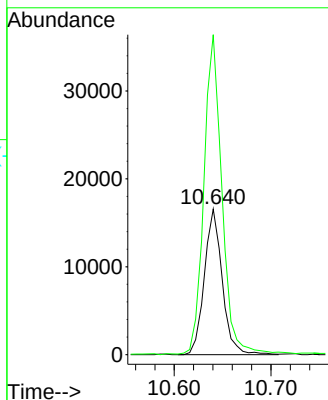
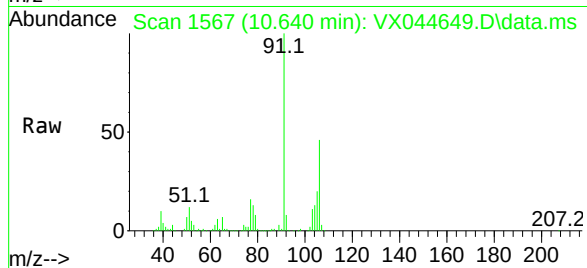
#69
o-Xylene
Concen: 5.124 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 21392
Ion Ratio Lower Upper
106 100
91 223.1 108.7 326.3

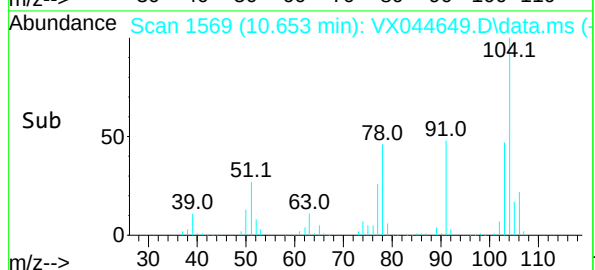
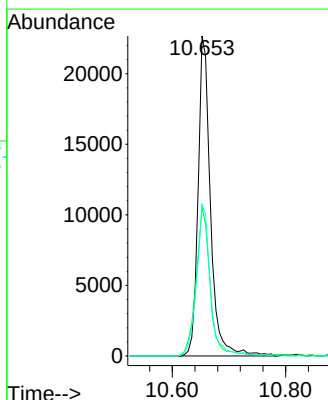
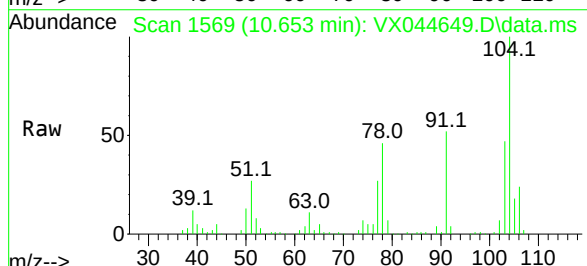
Manual Integrations
APPROVED

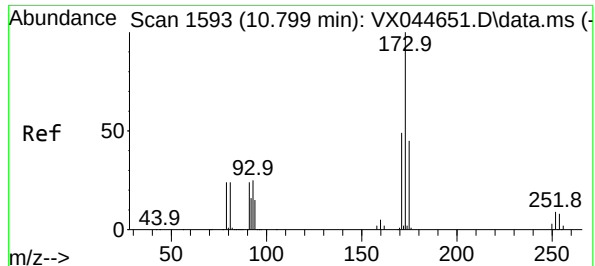
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#70
Styrene
Concen: 5.105 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

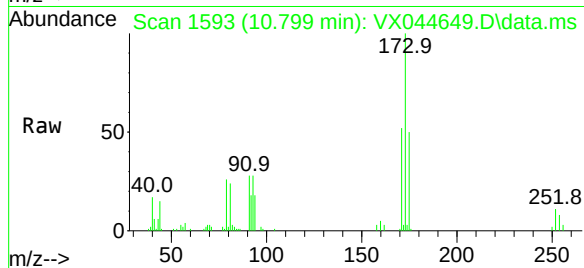
Tgt Ion:104 Resp: 34407
Ion Ratio Lower Upper
104 100
78 52.8 43.0 64.6
103 52.7 43.4 65.2





#71
Bromoform
Concen: 5.012 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

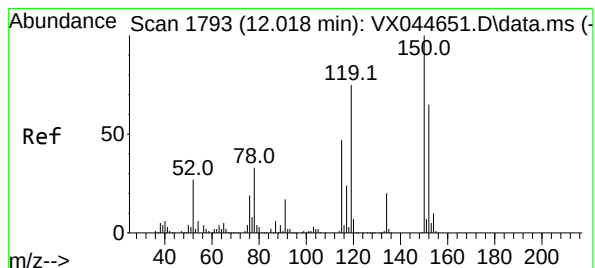
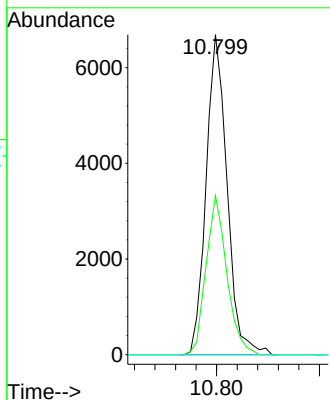
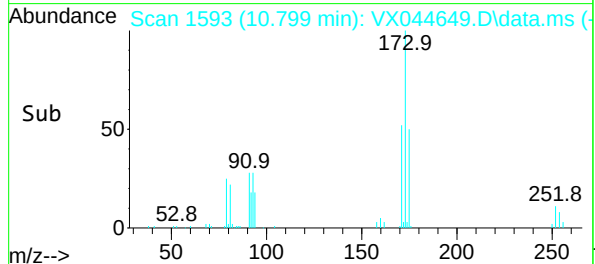
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:173 Resp: 945
Ion Ratio Lower Upper
173 100
175 49.3 23.6 70.8
254 0.0 0.1 0.1

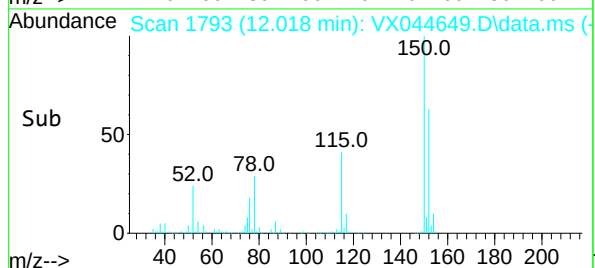
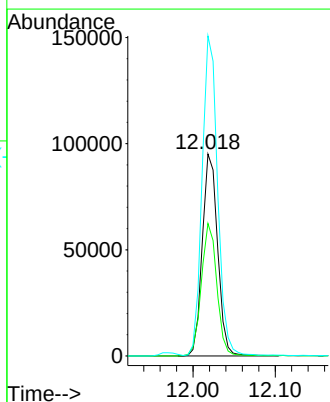
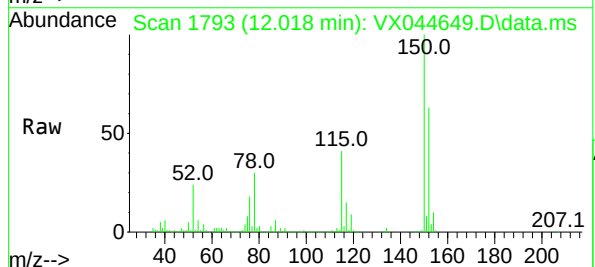
Manual Integrations
APPROVED

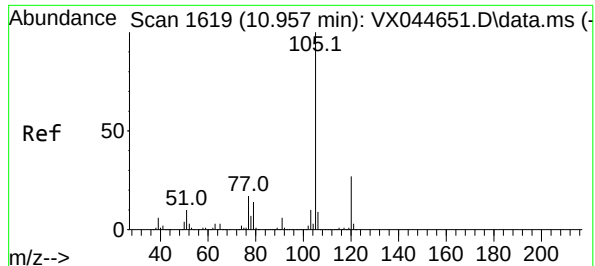
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:152 Resp: 123491
Ion Ratio Lower Upper
152 100
115 66.3 43.8 131.4
150 158.9 0.0 347.8





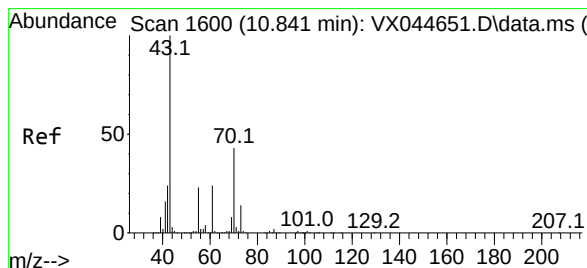
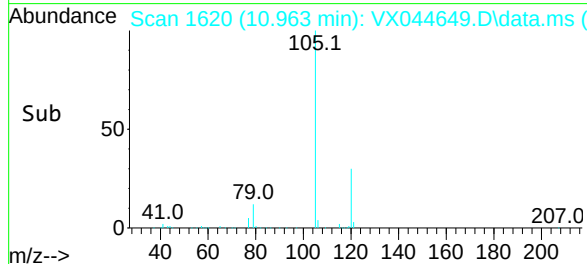
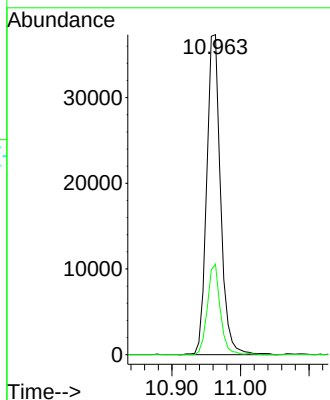
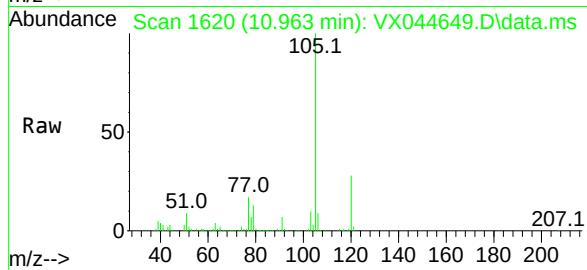
#73
Isopropylbenzene
Concen: 5.214 ug/l
RT: 10.963 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 105 Resp: 52599
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.6

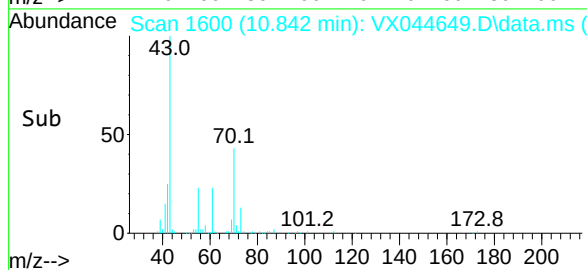
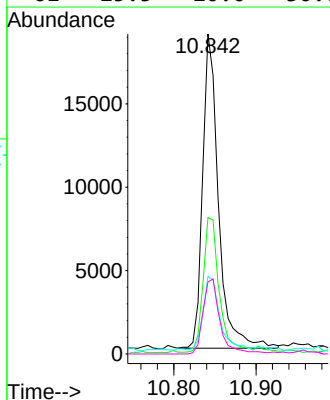
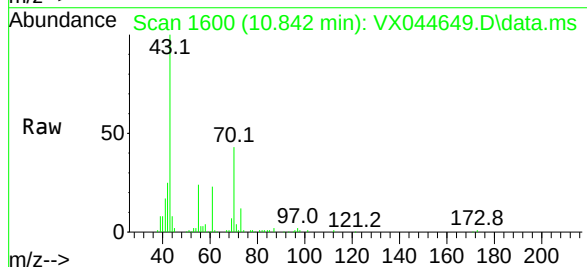
Manual Integrations
APPROVED

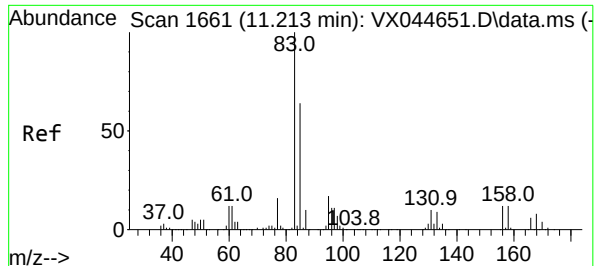
Reviewed By : John Carlone 01/15/2025
Supervised By : Semsettin Yesilyurt 01/16/2025



#74
N-ethyl acetate
Concen: 5.084 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 43 Resp: 25282
Ion Ratio Lower Upper
43 100
70 43.3 35.2 52.8
55 25.0 19.0 28.4
61 25.5 20.0 30.0





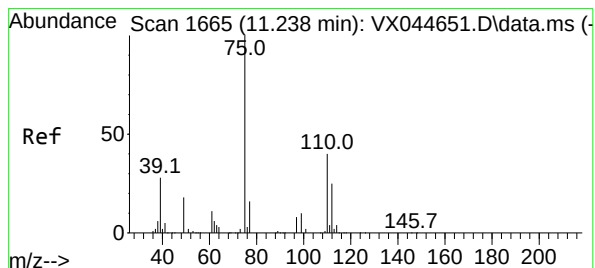
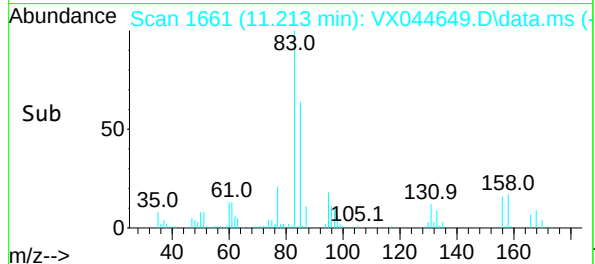
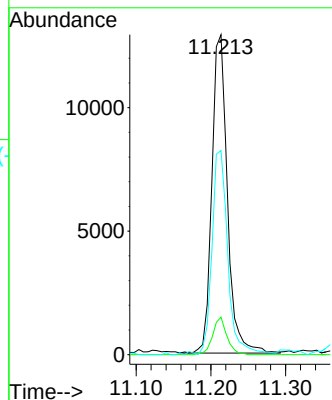
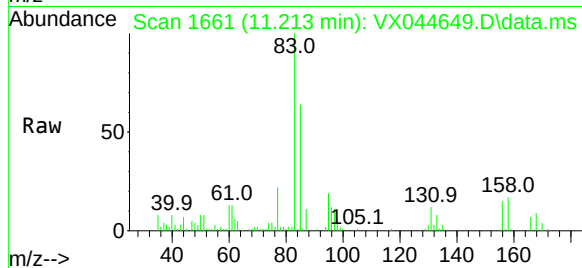
#75
1,1,2,2-Tetrachloroethane
Concen: 5.351 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 1864
Ion Ratio Lower Upper
83 100
131 10.8 5.0 14.9
85 65.7 32.0 96.2

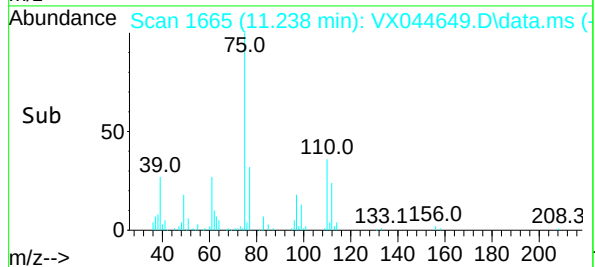
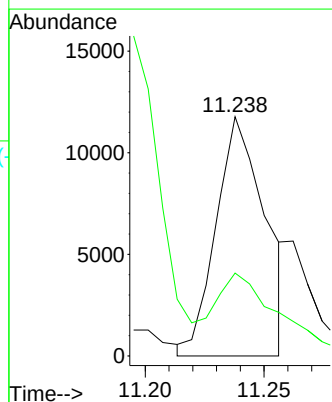
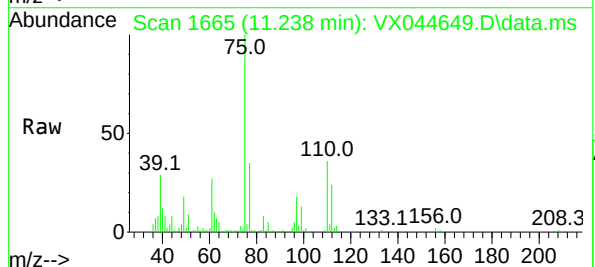
Manual Integrations
APPROVED

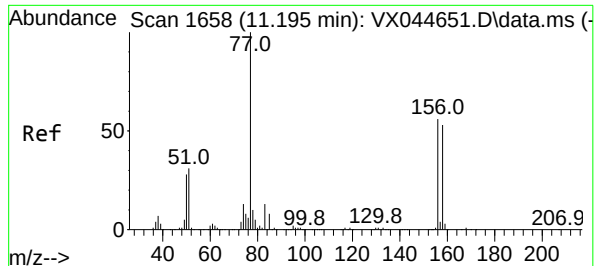
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#76
1,2,3-Trichloropropane
Concen: 5.796 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

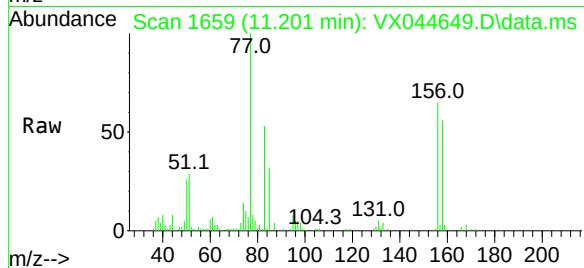
Tgt Ion: 75 Resp: 16903
Ion Ratio Lower Upper
75 100
77 44.4 23.4 70.2





#77
Bromobenzene
Concen: 5.156 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

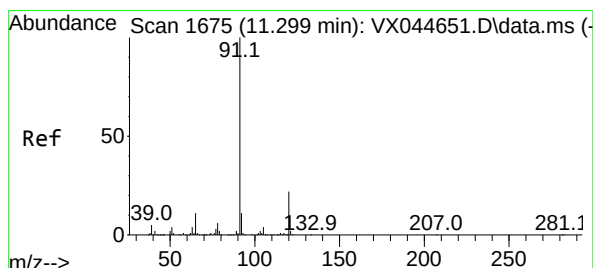
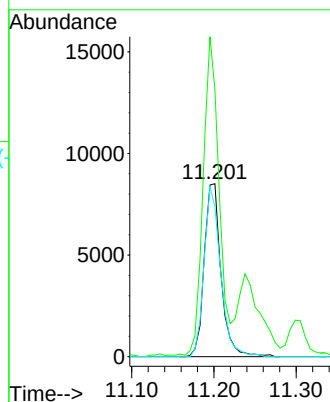
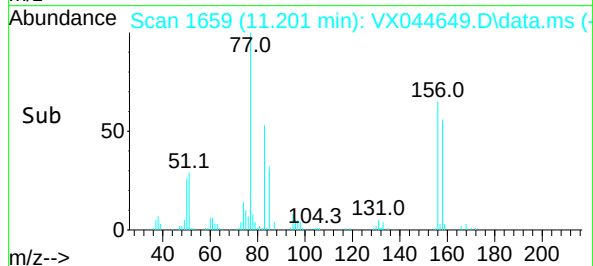
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 156 Resp: 12158
Ion Ratio Lower Upper
156 100
77 172.0 90.3 271.0
158 96.4 48.4 145.3

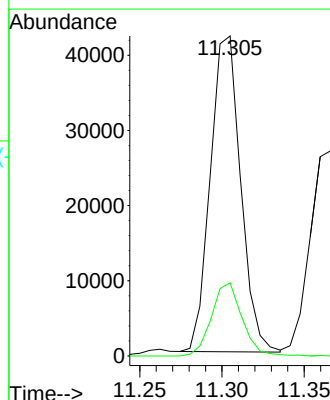
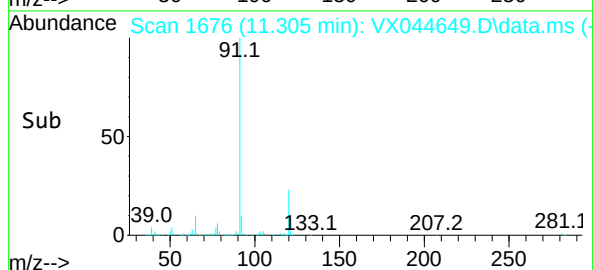
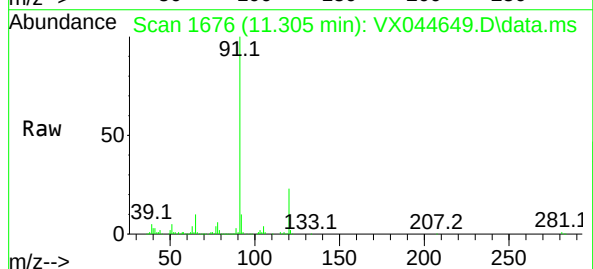
Manual Integrations
APPROVED

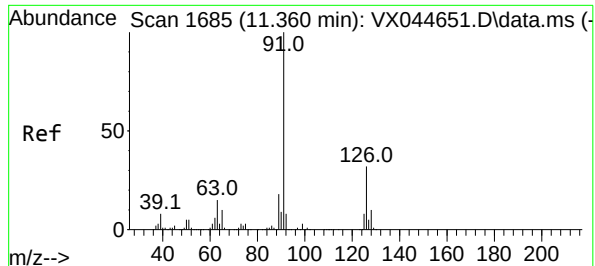
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#78
n-propylbenzene
Concen: 4.846 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 91 Resp: 53913
Ion Ratio Lower Upper
91 100
120 23.3 11.4 34.1





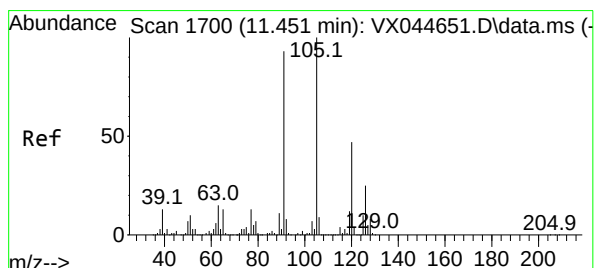
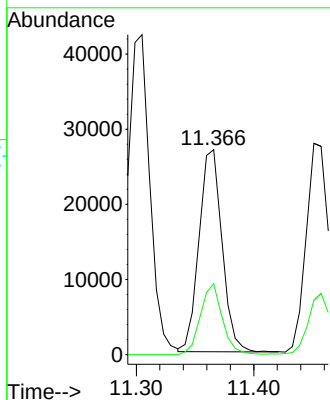
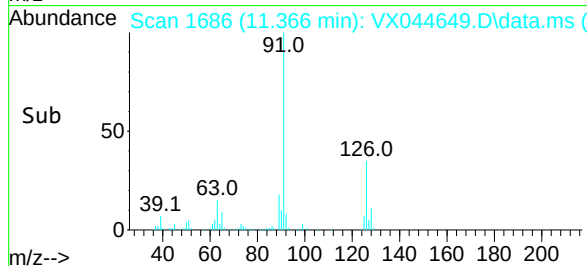
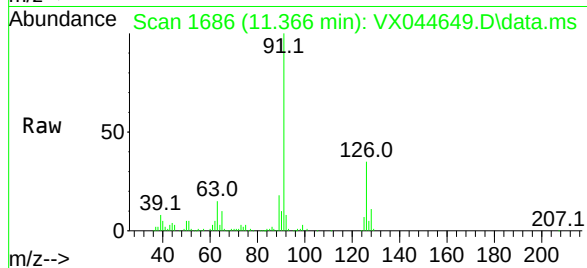
#79
2-Chlorotoluene
Concen: 5.093 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 36602
Ion Ratio Lower Upper
91 100
126 33.5 16.2 48.5

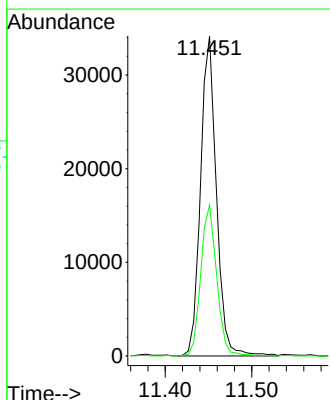
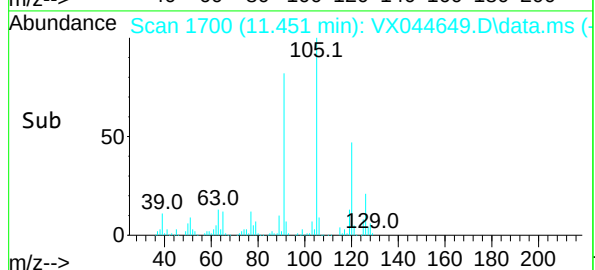
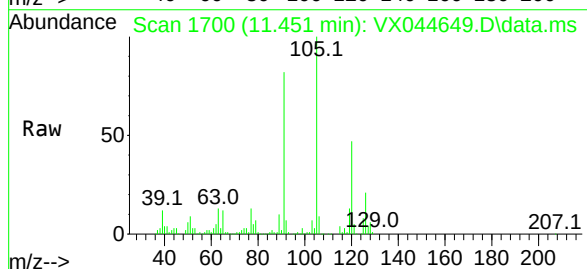
Manual Integrations
APPROVED

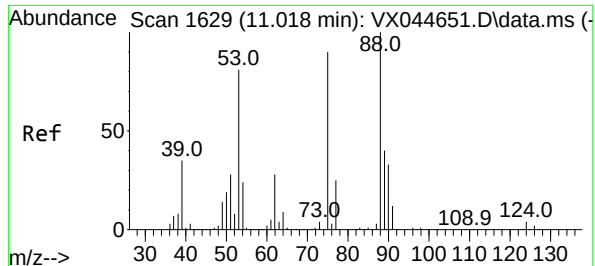
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#80
1,3,5-Trimethylbenzene
Concen: 5.295 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:105 Resp: 43488
Ion Ratio Lower Upper
105 100
120 47.3 23.7 71.1





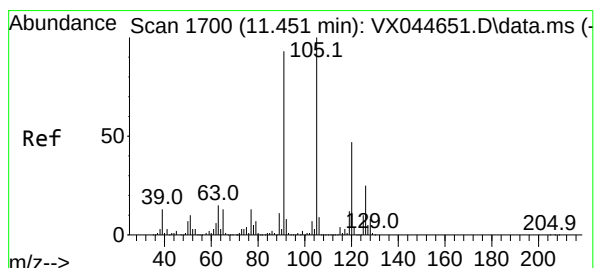
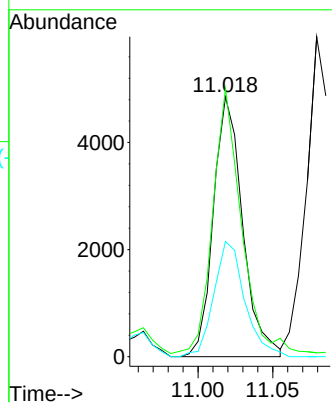
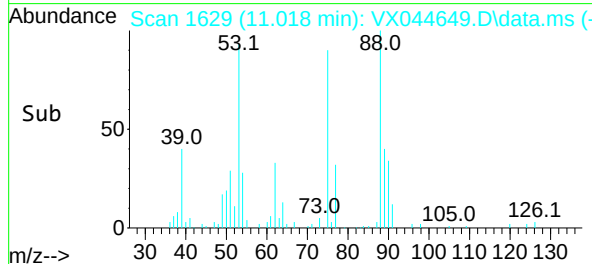
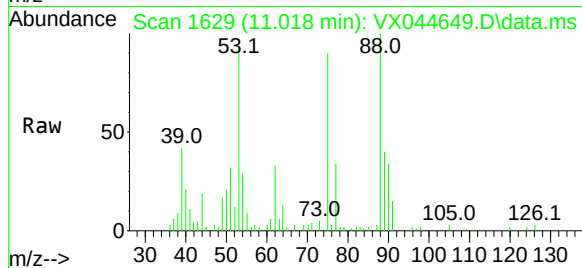
#81
trans-1,4-Dichloro-2-butene
Concen: 5.042 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:	75	Resp:	660
Ion	Ratio	Lower	Upper
75	100		
53	100.4	74.3	111.5
89	46.8	37.4	56.0

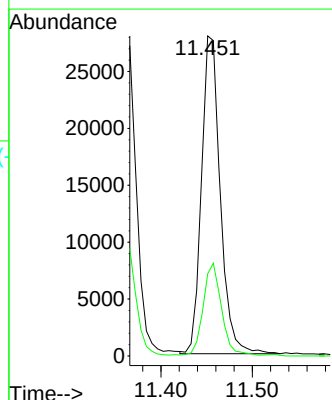
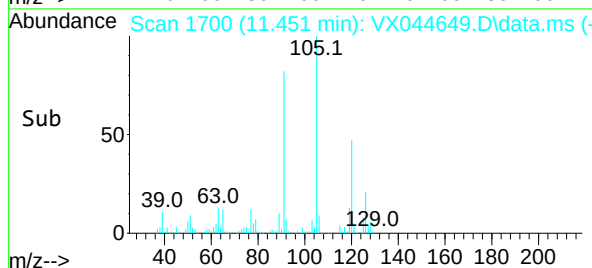
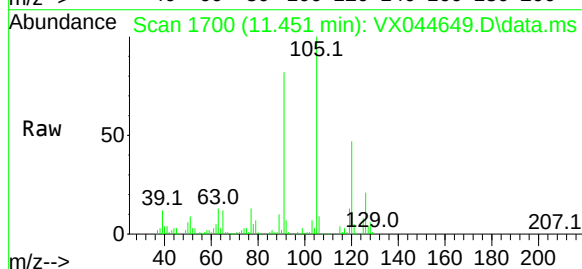
Manual Integrations
APPROVED

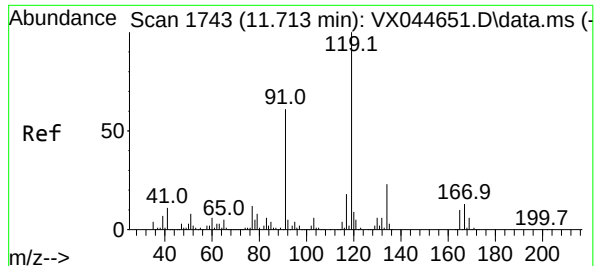
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#82
4-Chlorotoluene
Concen: 5.051 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:	91	Resp:	39763
Ion	Ratio	Lower	Upper
91	100		
126	28.1	13.9	41.7





#83

tert-Butylbenzene

Concen: 5.311 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:119 Resp: 45600

Ion Ratio Lower Upper

119 100

91 58.6 30.0 90.0

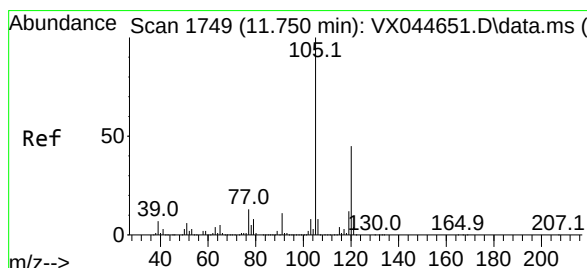
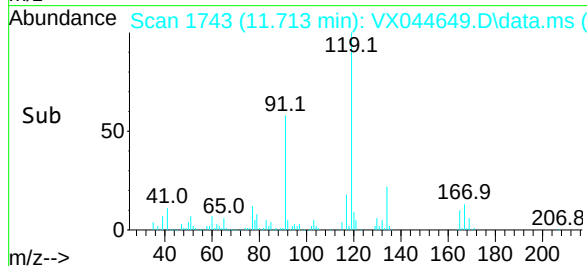
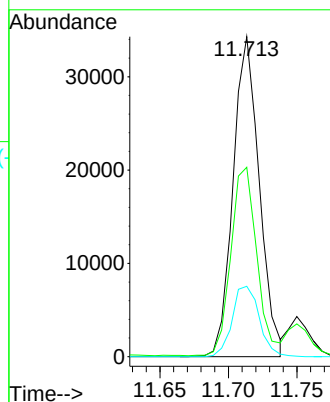
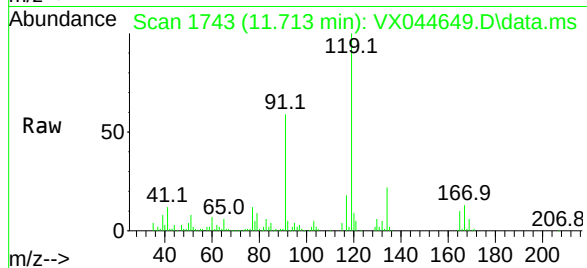
134 22.8 11.2 33.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#84

1,2,4-Trimethylbenzene

Concen: 5.001 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044649.D

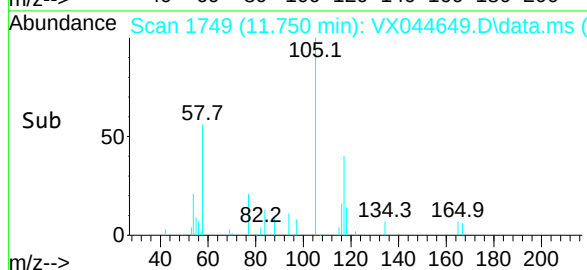
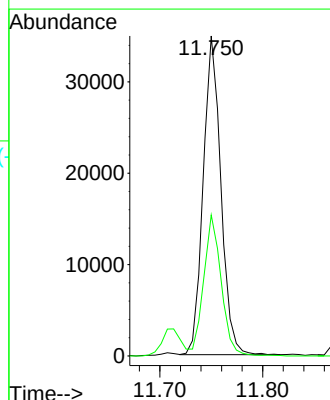
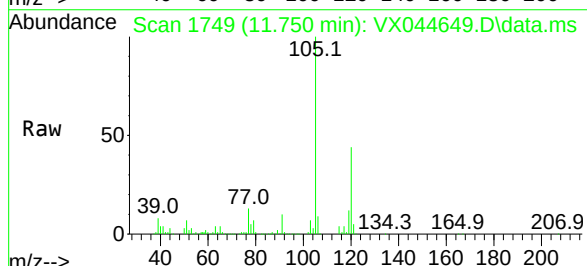
Acq: 15 Jan 2025 11:17

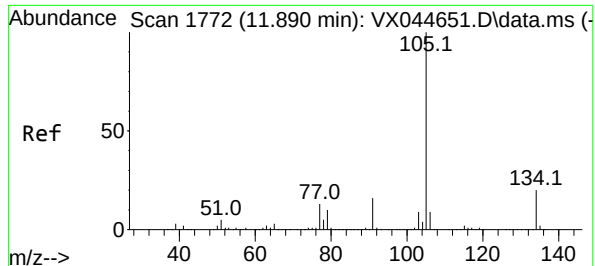
Tgt Ion:105 Resp: 41737

Ion Ratio Lower Upper

105 100

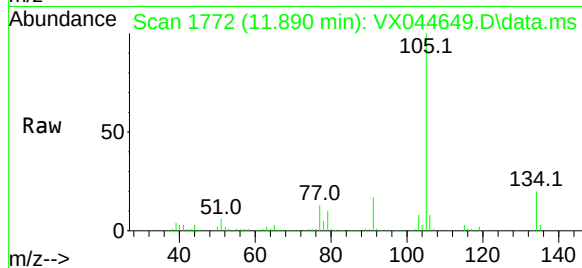
120 43.7 22.2 66.6





#85
sec-Butylbenzene
Concen: 4.987 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

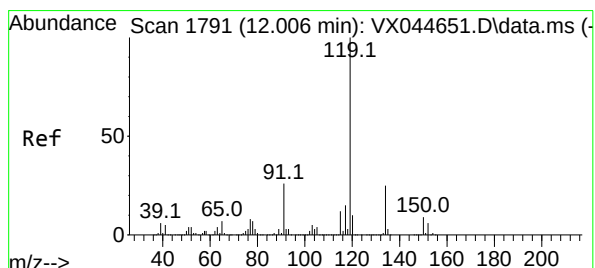
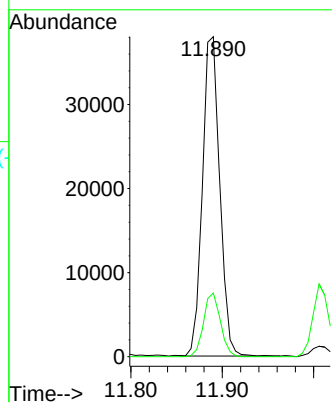
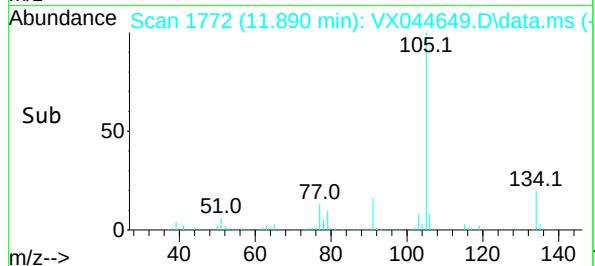
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:105 Resp: 4985
Ion Ratio Lower Upper
105 100
134 19.4 9.8 29.5

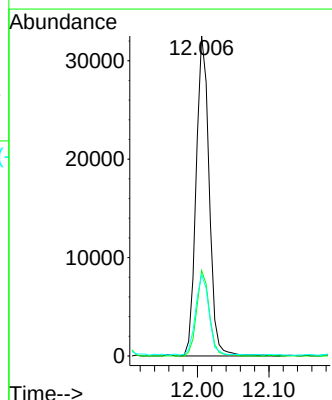
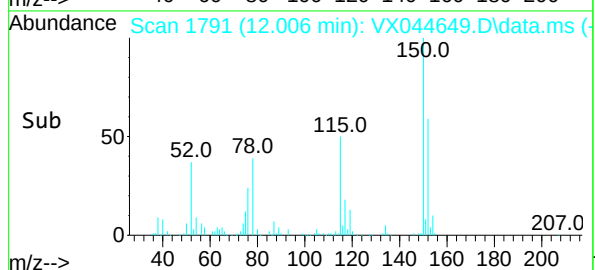
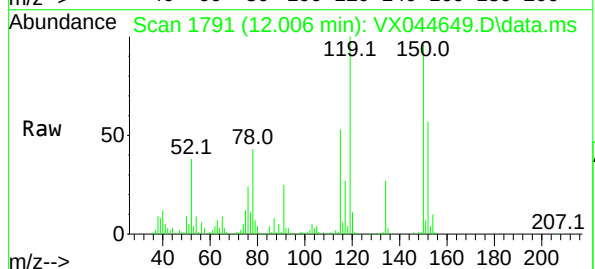
Manual Integrations
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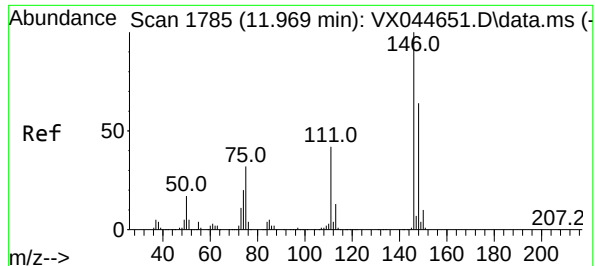
Reviewed By :John Carbone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#86
p-Isopropyltoluene
Concen: 5.016 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:119 Resp: 41214
Ion Ratio Lower Upper
119 100
134 25.9 12.8 38.4
91 25.8 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 4.956 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion:146 Resp: 2026

Ion Ratio Lower Upper

146 100

111 43.3 21.9 65.7

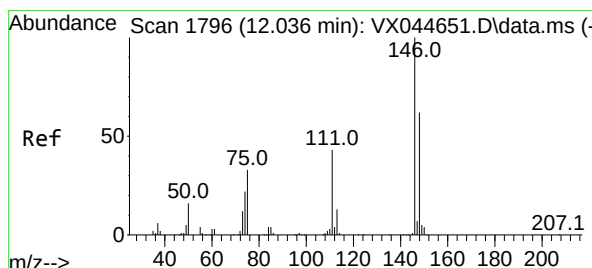
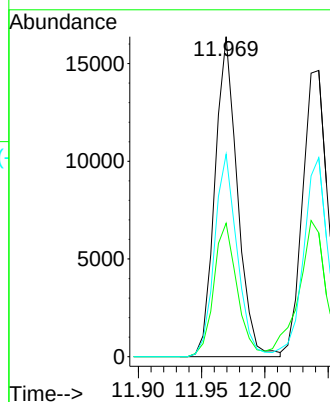
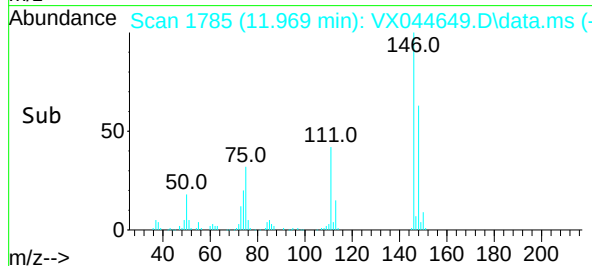
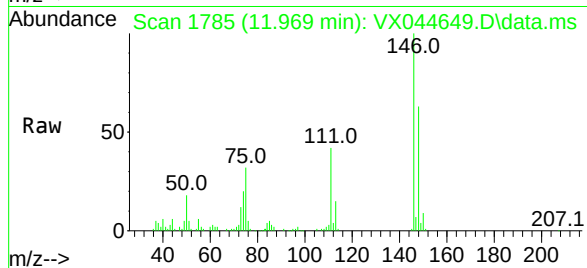
148 63.7 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#88

1,4-Dichlorobenzene

Concen: 5.062 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

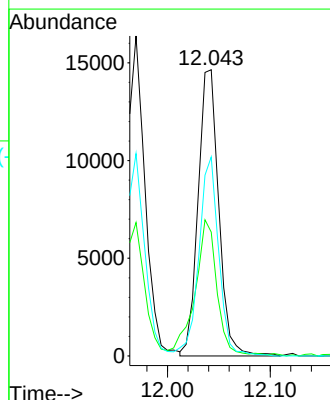
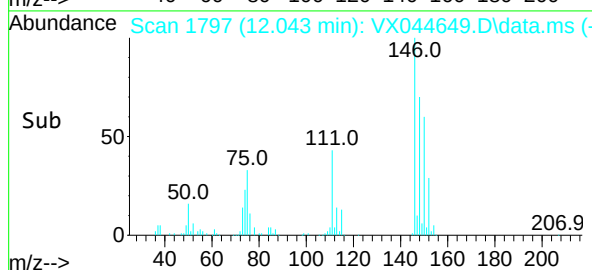
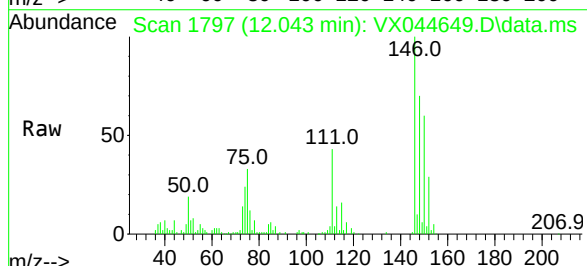
Tgt Ion:146 Resp: 20555

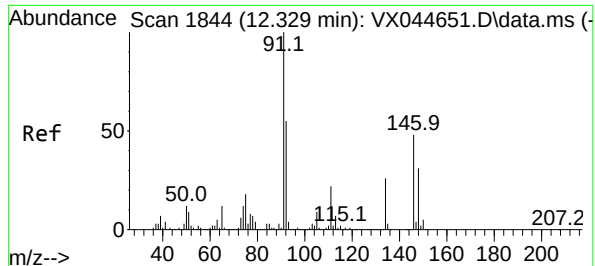
Ion Ratio Lower Upper

146 100

111 51.4 21.5 64.5

148 66.7 32.1 96.5





#89

n-Butylbenzene

Concen: 4.747 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

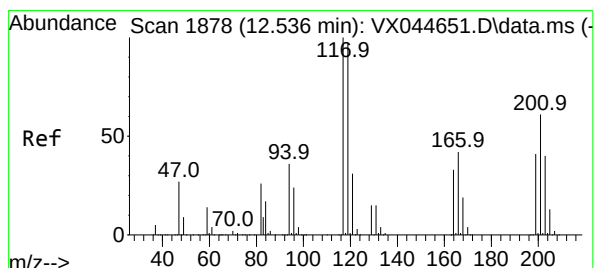
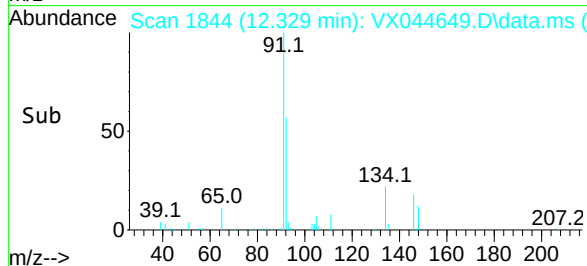
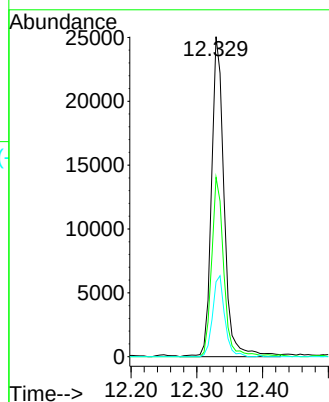
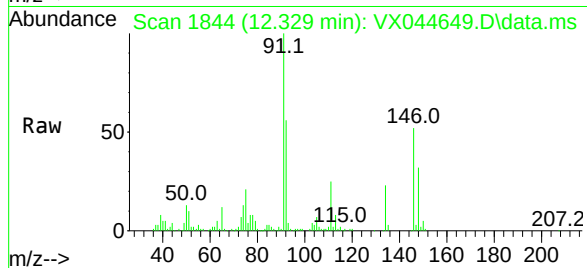
Tgt Ion:	91	Resp:	3350
Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.4	82.0
134	24.2	12.8	38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#90

Hexachloroethane

Concen: 5.012 ug/l

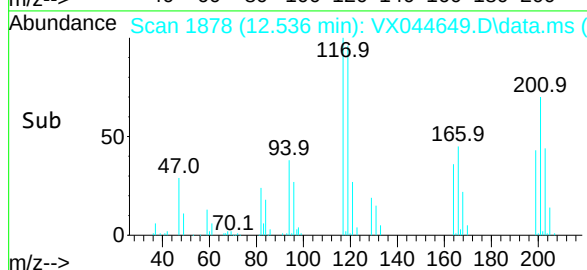
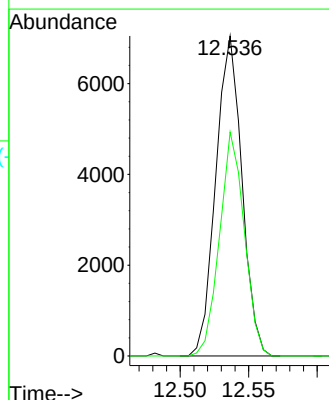
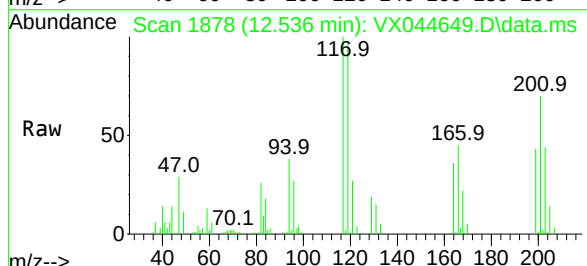
RT: 12.536 min Scan# 1878

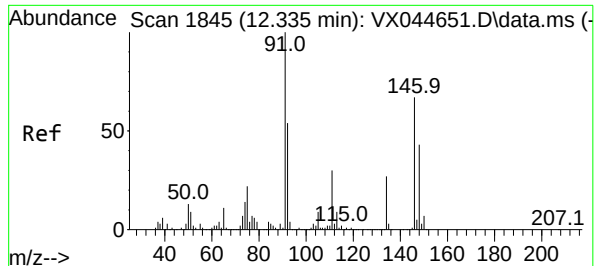
Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

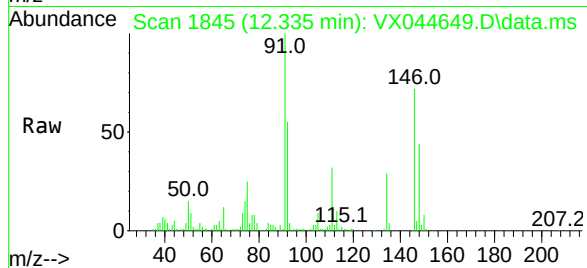
Tgt Ion:	117	Resp:	9325
Ion	Ratio	Lower	Upper
117	100		
201	66.5	32.3	96.8





#91
1,2-Dichlorobenzene
Concen: 5.165 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

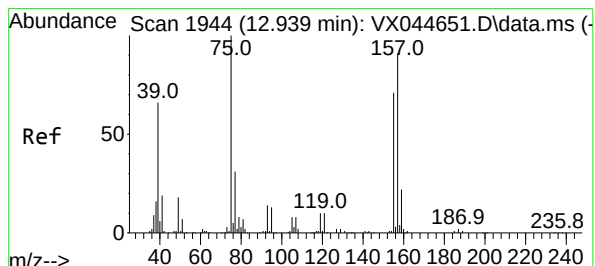
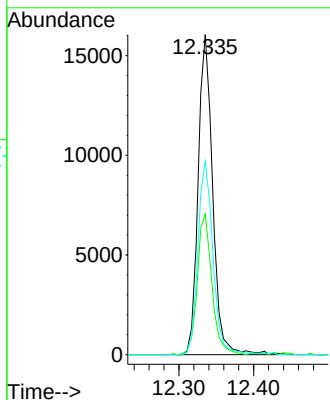
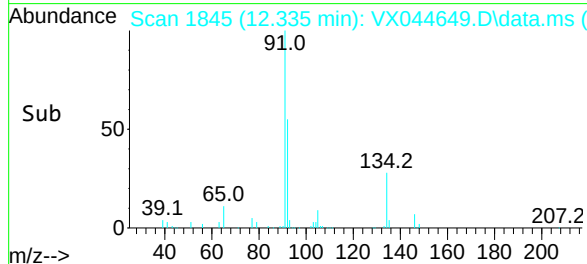
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:146 Resp: 21690
Ion Ratio Lower Upper
146 100
111 44.3 22.4 67.2
148 62.5 31.6 94.8

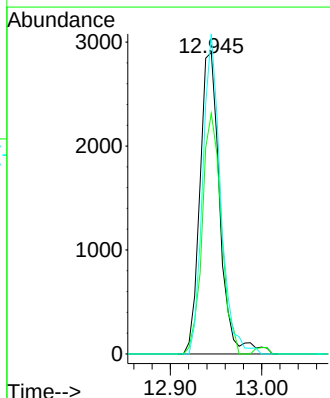
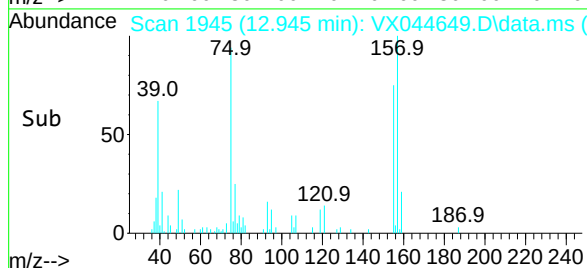
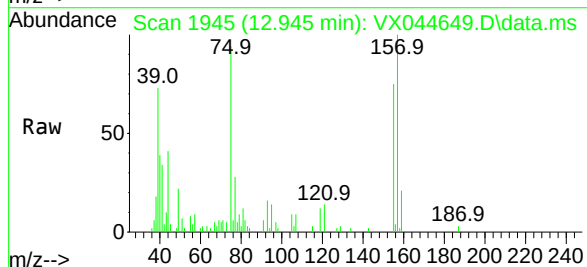
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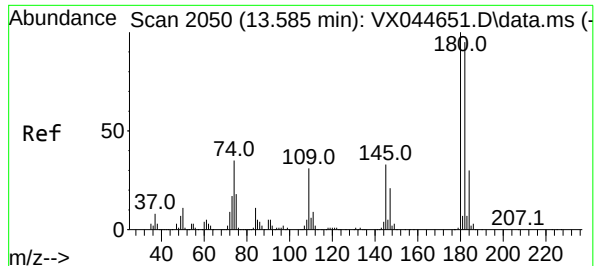
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.145 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 75 Resp: 4384
Ion Ratio Lower Upper
75 100
155 76.0 39.0 116.9
157 94.7 49.9 149.7





#93

1,2,4-Trichlorobenzene

Concen: 4.640 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

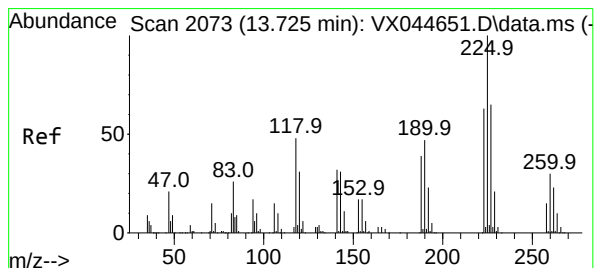
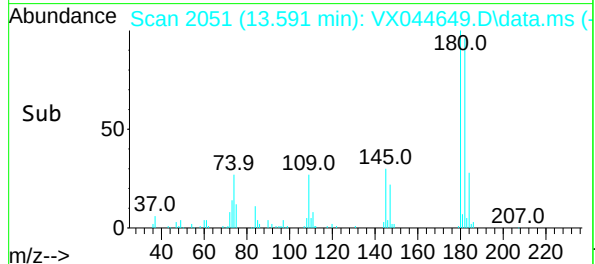
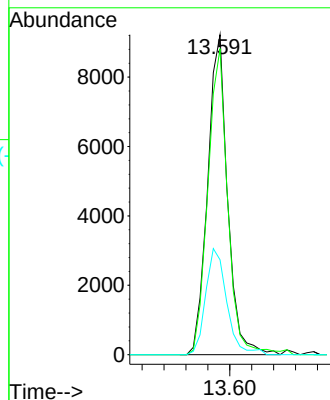
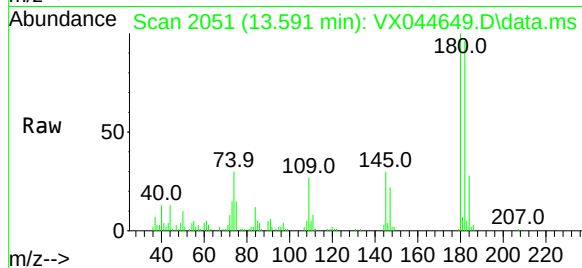
Tgt Ion:	180	Resp:	11649
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.4	142.2
145	35.1	16.7	50.1

Manual Integrations

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Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#94

Hexachlorobutadiene

Concen: 4.804 ug/l

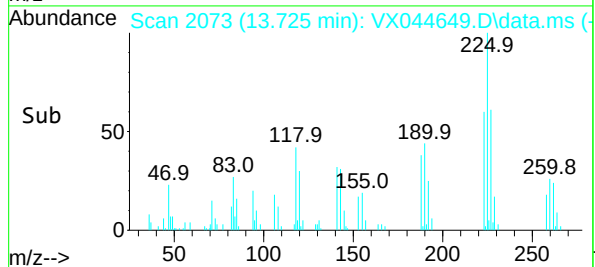
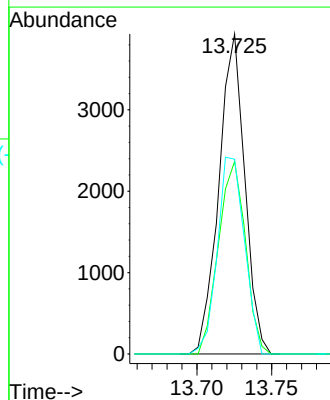
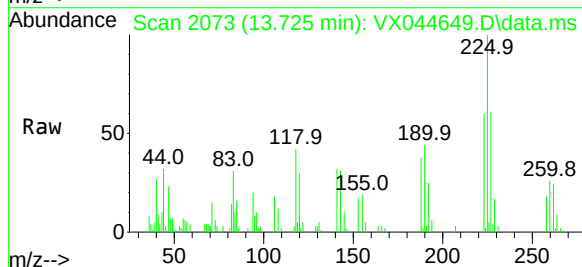
RT: 13.725 min Scan# 2073

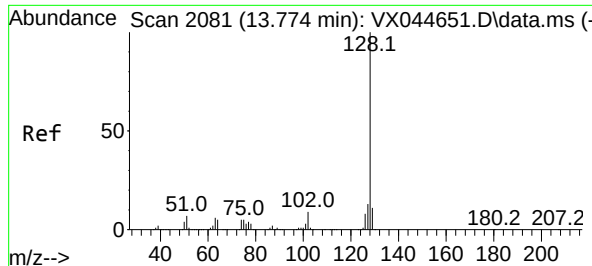
Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

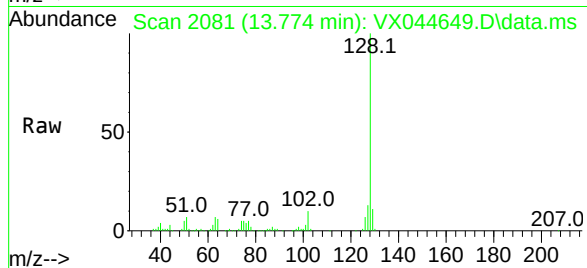
Tgt Ion:	225	Resp:	4738
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.9	95.7
227	64.2	31.8	95.4





#95
Naphthalene
Concen: 4.794 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

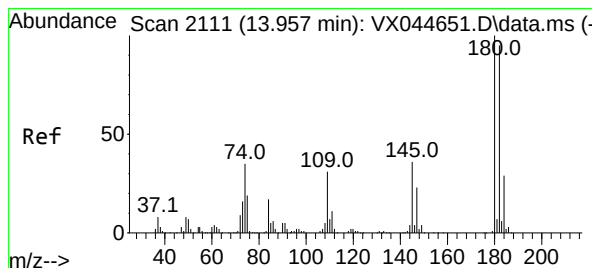
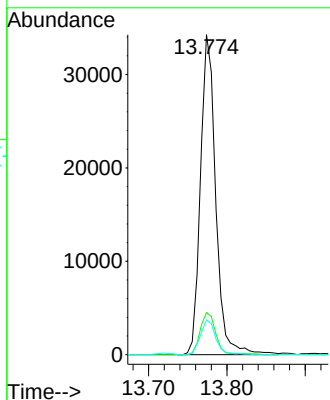
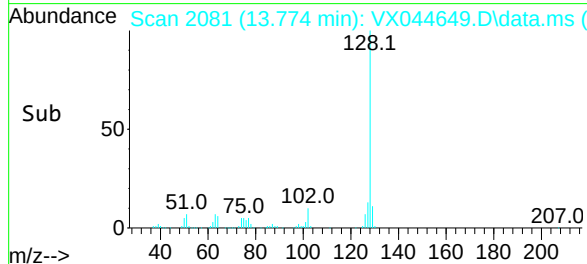
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:128 Resp: 46418
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 10.9 8.7 13.1

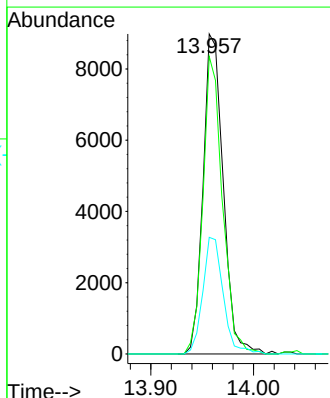
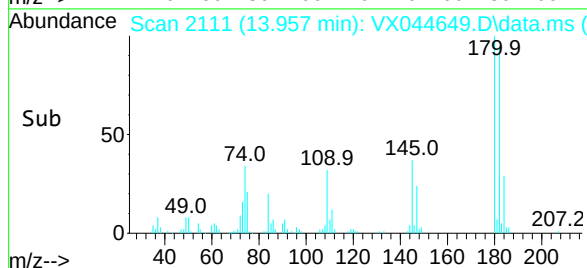
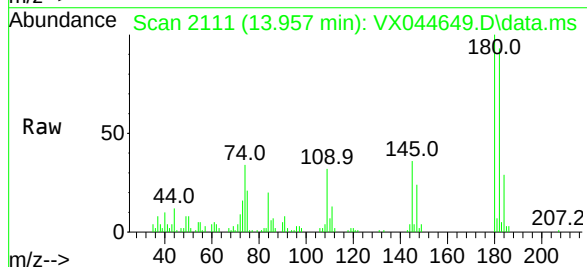
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.710 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:180 Resp: 12258
Ion Ratio Lower Upper
180 100
182 90.2 47.2 141.6
145 36.9 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044650.D
 Acq On : 15 Jan 2025 11:40
 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 01/15/2025
 Supervised By : Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:59:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 00:57:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	189658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	351528	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	305422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	130861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	52421	18.311	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	36.620%#		
35) Dibromofluoromethane	5.379	113	40585	18.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	36.340%#		
50) Toluene-d8	8.647	98	147843	18.987	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	37.980%#		
62) 4-Bromofluorobenzene	11.079	95	55407	19.087	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.180%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	48623	19.052	ug/l	97
3) Chloromethane	1.295	50	54827	19.866	ug/l	97
4) Vinyl Chloride	1.374	62	51689	18.955	ug/l	98
5) Bromomethane	1.593	94	12588	19.333	ug/l	98
6) Chloroethane	1.660	64	8576	17.150	ug/l	98
7) Trichlorofluoromethane	1.868	101	57313	19.017	ug/l	100
8) Diethyl Ether	2.136	74	23029	18.934	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	42608	18.807	ug/l	98
10) Methyl Iodide	2.441	142	63102	20.401	ug/l	99
11) Tert butyl alcohol	2.977	59	62614m	96.990	ug/l	
12) 1,1-Dichloroethene	2.307	96	43408	19.547	ug/l	98
13) Acrolein	2.233	56	24912	82.949	ug/l	93
14) Allyl chloride	2.654	41	81766	18.911	ug/l	100
15) Acrylonitrile	3.063	53	123315	98.515	ug/l	98
16) Acetone	2.386	43	103836	91.678	ug/l	98
17) Carbon Disulfide	2.502	76	119145	19.662	ug/l	100
18) Methyl Acetate	2.703	43	62684	17.939	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	158601	19.718	ug/l	98
20) Methylene Chloride	2.782	84	51758	19.623	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	44786	19.317	ug/l	95
22) Diisopropyl ether	3.758	45	151033	20.095	ug/l	94
23) Vinyl Acetate	3.715	43	666641	101.337	ug/l	100
24) 1,1-Dichloroethane	3.605	63	88060	19.758	ug/l	100
25) 2-Butanone	4.556	43	168309	99.946	ug/l	99
26) 2,2-Dichloropropane	4.465	77	82977	19.209	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	56594	19.406	ug/l	99
28) Bromochloromethane	4.891	49	39526	18.978	ug/l	98
29) Tetrahydrofuran	5.001	42	106241	97.807	ug/l	100
30) Chloroform	5.087	83	89891	19.985	ug/l	99
31) Cyclohexane	5.458	56	72527	20.120	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	78644	19.019	ug/l	100
36) 1,1-Dichloropropene	5.684	75	59303	19.076	ug/l	99
37) Ethyl Acetate	4.715	43	66324	20.034	ug/l	98
38) Carbon Tetrachloride	5.666	117	65838	18.829	ug/l	95
39) Methylcyclohexane	7.373	83	78248	18.961	ug/l	97
40) Benzene	6.032	78	191801	19.911	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044650.D
 Acq On : 15 Jan 2025 11:40
 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 01/15/2025
 Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:59:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 00:57:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	36180	19.016	ug/l	98
42) 1,2-Dichloroethane	6.080	62	69034	19.635	ug/l	99
43) Isopropyl Acetate	6.336	43	119568	19.633	ug/l	99
44) Trichloroethene	7.117	130	45597	19.689	ug/l	94
45) 1,2-Dichloropropane	7.428	63	47111	19.429	ug/l	100
46) Dibromomethane	7.580	93	35056	18.991	ug/l	98
47) Bromodichloromethane	7.818	83	72837	19.241	ug/l	94
48) Methyl methacrylate	7.690	41	57413	20.310	ug/l	99
49) 1,4-Dioxane	7.665	88	23433	397.311	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	338304	100.520	ug/l	99
52) Toluene	8.714	92	119410	20.253	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	79260	20.266	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	84851	20.008	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	47930	20.093	ug/l	97
56) Ethyl methacrylate	9.116	69	84067	20.496	ug/l	98
57) 1,3-Dichloropropane	9.305	76	81718	20.117	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	176999	87.899	ug/l	99
59) 2-Hexanone	9.427	43	250792	101.288	ug/l	99
60) Dibromochloromethane	9.519	129	56038	20.015	ug/l	99
61) 1,2-Dibromoethane	9.604	107	50060	20.025	ug/l	99
64) Tetrachloroethene	9.269	164	36566	19.066	ug/l	96
65) Chlorobenzene	10.073	112	126540	19.506	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	45959	19.493	ug/l	99
67) Ethyl Benzene	10.189	91	223249	19.723	ug/l	99
68) m/p-Xylenes	10.299	106	167689	39.921	ug/l	100
69) o-Xylene	10.640	106	84280	19.840	ug/l	99
70) Styrene	10.653	104	138465	20.189	ug/l	99
71) Bromoform	10.799	173	36839	19.198	ug/l #	98
73) Isopropylbenzene	10.957	105	211633	19.797	ug/l	99
74) N-amyl acetate	10.842	43	103040	19.555	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	73190	19.823	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	61409m	19.870	ug/l	
77) Bromobenzene	11.195	156	48555	19.432	ug/l	100
78) n-propylbenzene	11.299	91	234567	19.896	ug/l	100
79) 2-Chlorotoluene	11.360	91	149688	19.655	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	173348	19.919	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	27061	19.486	ug/l	98
82) 4-Chlorotoluene	11.451	91	166586	19.968	ug/l	100
83) tert-Butylbenzene	11.713	119	178504	19.617	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	175164	19.807	ug/l	99
85) sec-Butylbenzene	11.890	105	208186	19.649	ug/l	100
86) p-Isopropyltoluene	12.006	119	171507	19.697	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	84759	19.560	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	84055	19.536	ug/l	100
89) n-Butylbenzene	12.329	91	145015	19.391	ug/l	99
90) Hexachloroethane	12.536	117	36858	18.693	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	87147	19.582	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16770	18.572	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	49471	18.595	ug/l	98
94) Hexachlorobutadiene	13.719	225	19513	18.672	ug/l	99
95) Naphthalene	13.774	128	198769	19.372	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	52651	19.093	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044650.D
Acq On : 15 Jan 2025 11:40
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 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:59:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

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

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

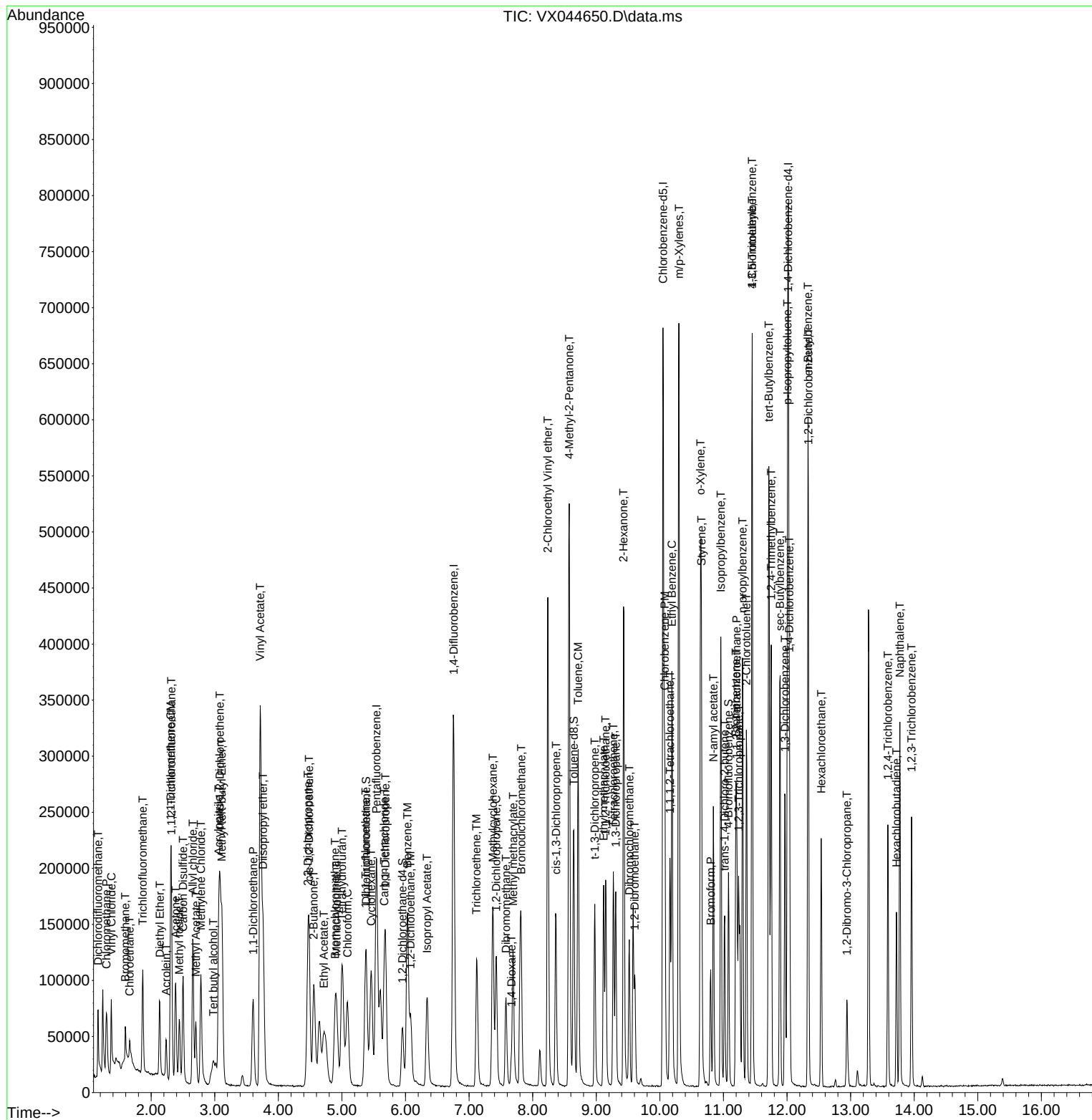
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Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

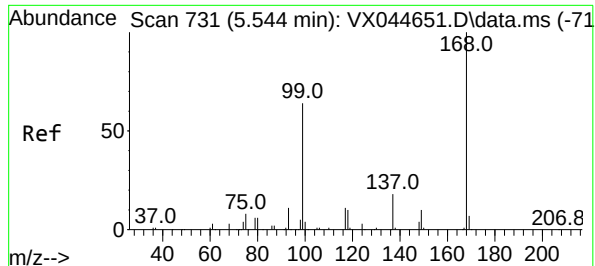
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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Supervised By :Semsettin Yesilyurt 01/16/2025

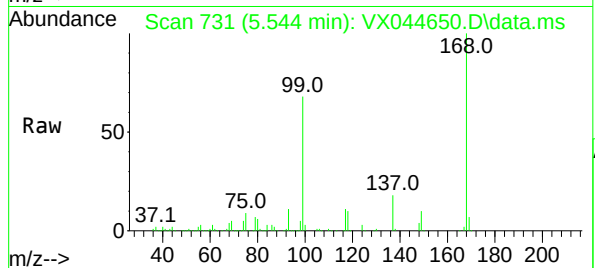
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Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

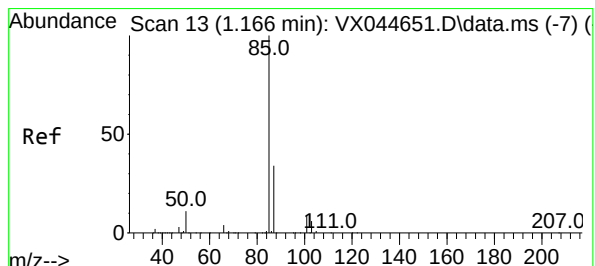
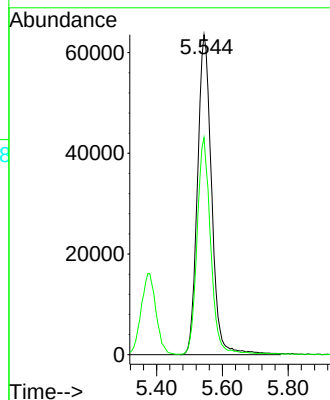
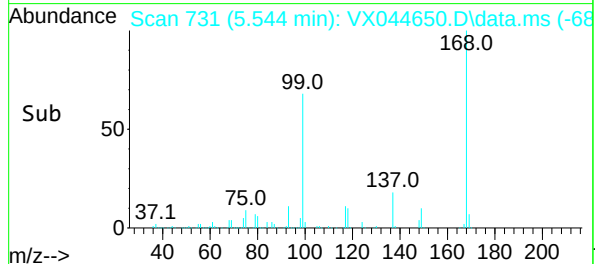
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:168 Resp: 189658
Ion Ratio Lower Upper
168 100
99 67.7 51.1 76.7

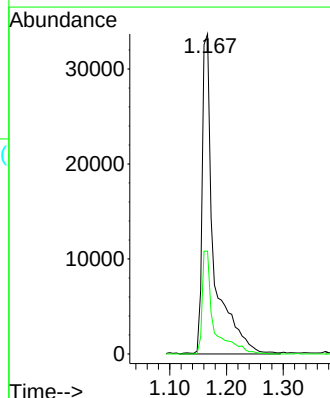
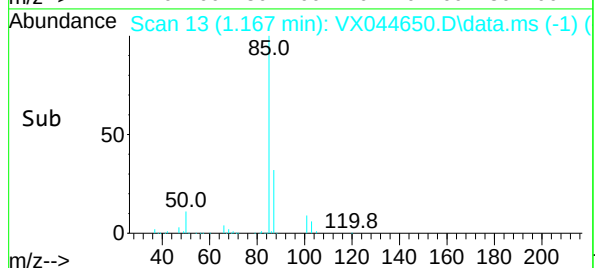
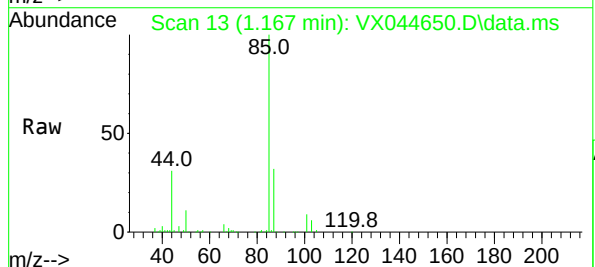
Manual Integrations
APPROVED

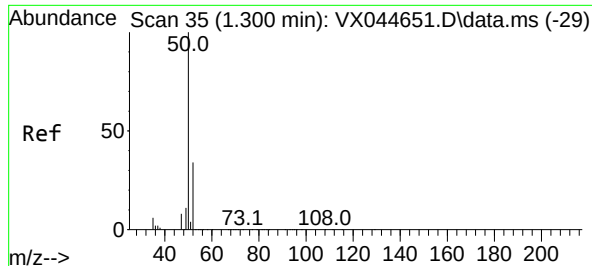
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#2
Dichlorodifluoromethane
Concen: 19.052 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

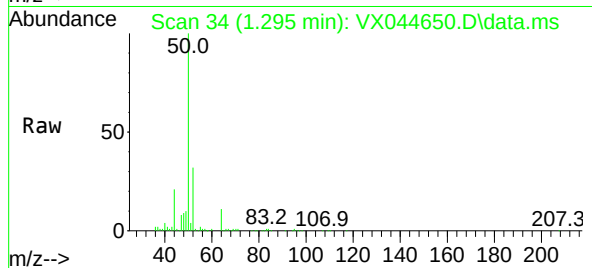
Tgt Ion: 85 Resp: 48623
Ion Ratio Lower Upper
85 100
87 32.1 16.8 50.4





#3
Chloromethane
Concen: 19.866 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

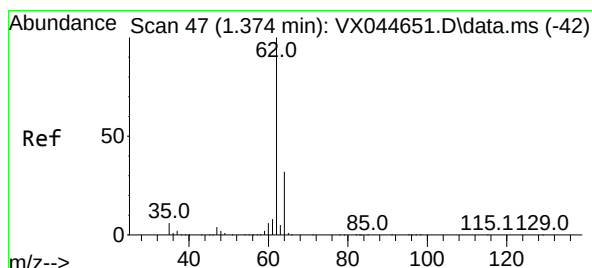
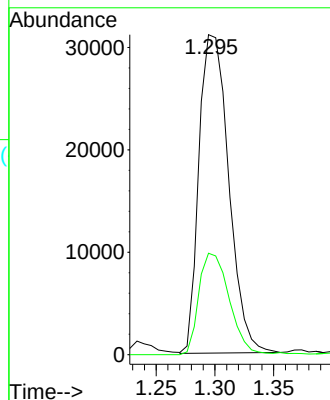
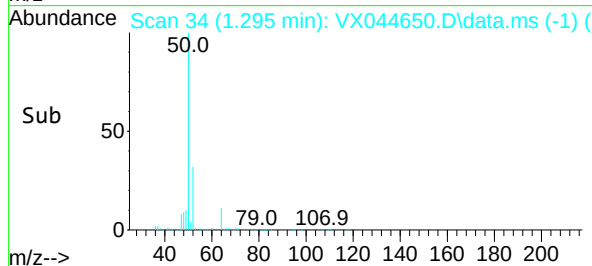
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 50 Resp: 5482
Ion Ratio Lower Upper
50 100
52 31.9 27.0 40.4

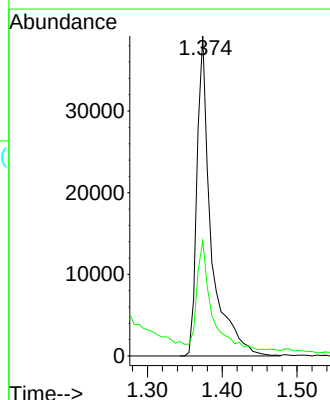
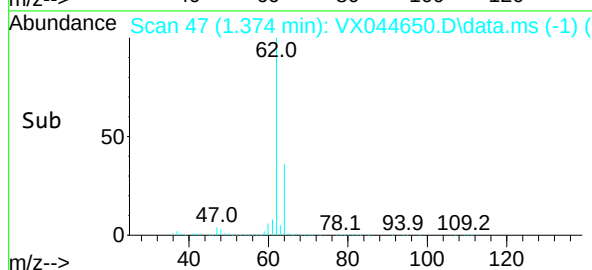
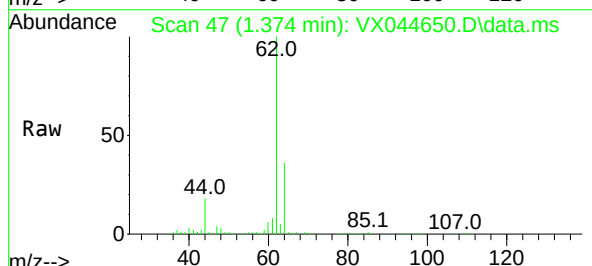
Manual Integrations
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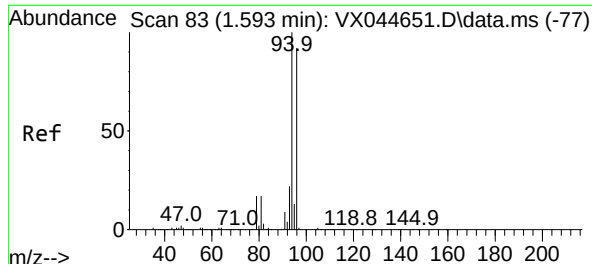
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#4
Vinyl Chloride
Concen: 18.955 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

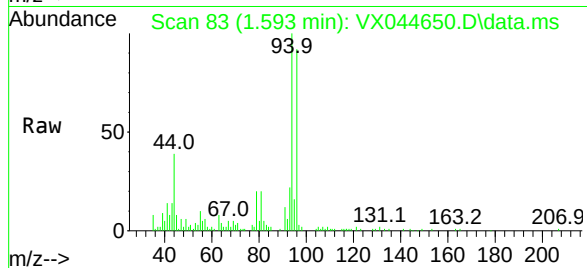
Tgt Ion: 62 Resp: 51689
Ion Ratio Lower Upper
62 100
64 34.3 26.6 39.8





#5
Bromomethane
Concen: 19.333 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

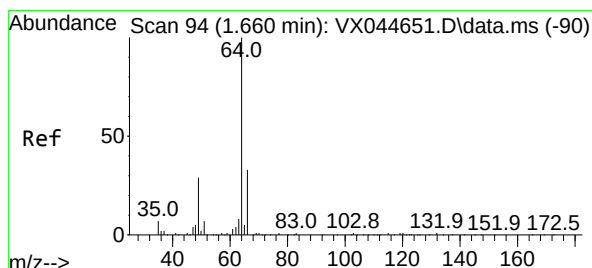
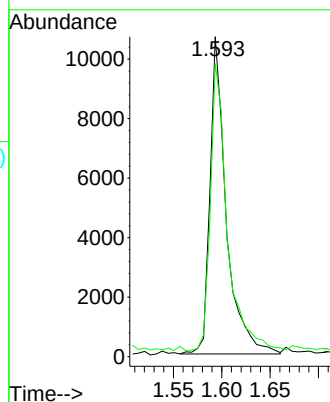
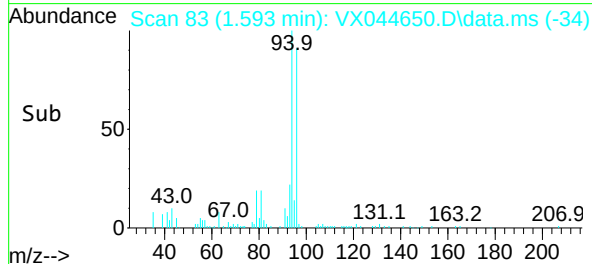
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 94 Resp: 1258
Ion Ratio Lower Upper
94 100
96 89.5 72.8 109.2

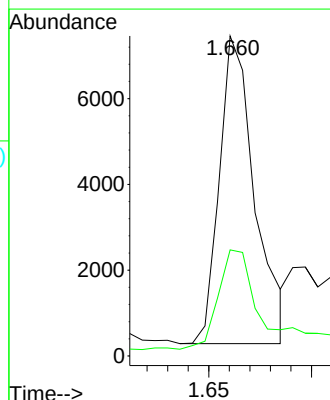
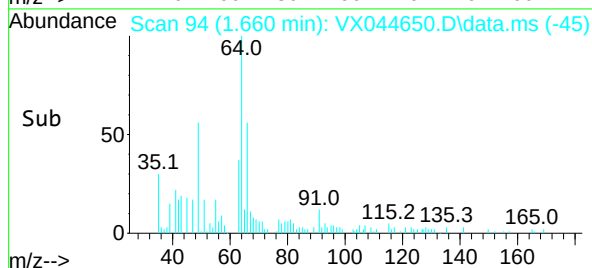
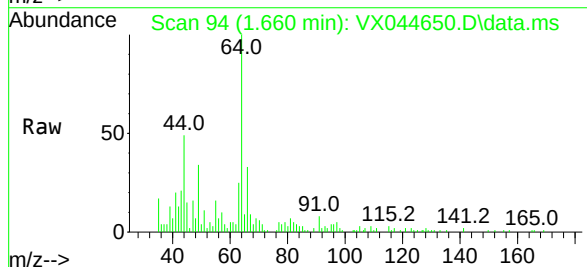
Manual Integrations
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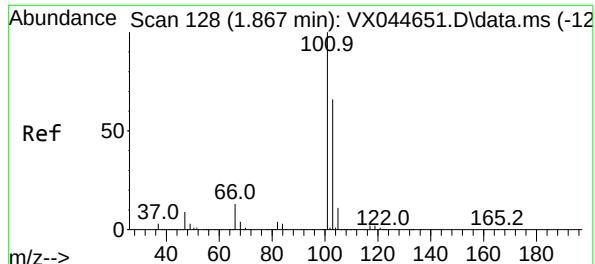
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#6
Chloroethane
Concen: 17.150 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 64 Resp: 8576
Ion Ratio Lower Upper
64 100
66 32.3 26.6 39.8





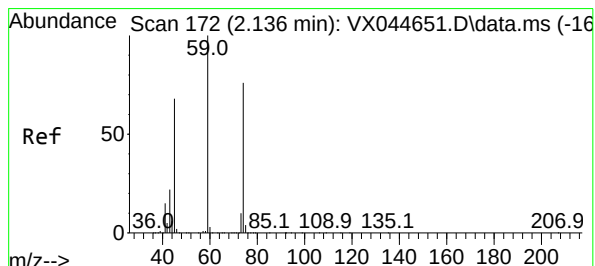
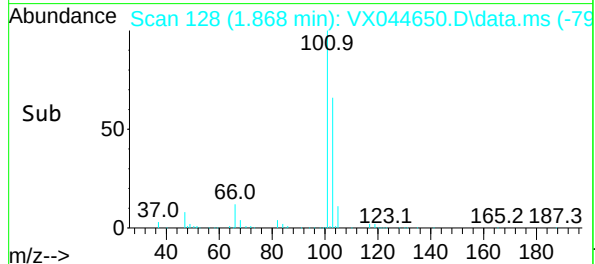
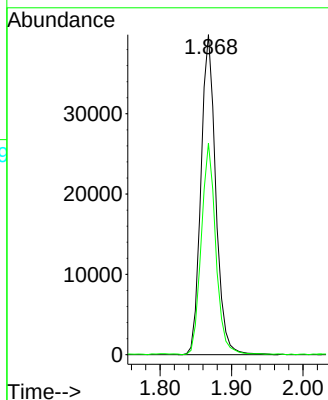
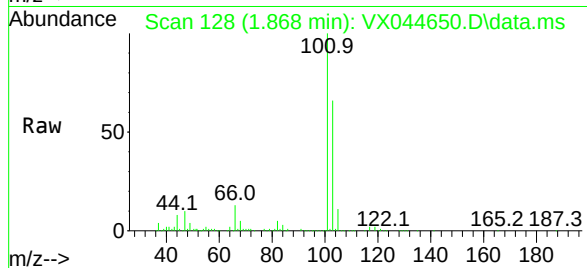
#7
Trichlorofluoromethane
Concen: 19.017 ug/l
RT: 1.868 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 5731
Ion Ratio Lower Upper
101 100
103 65.9 52.5 78.7

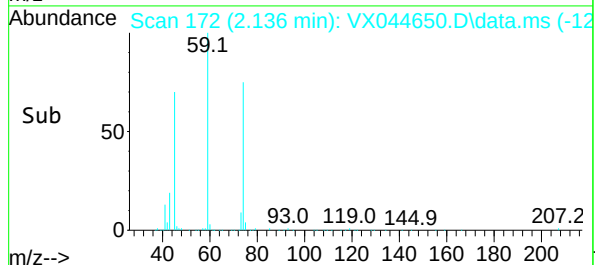
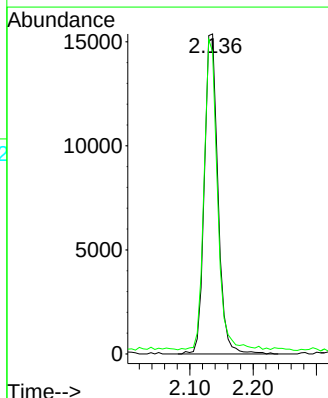
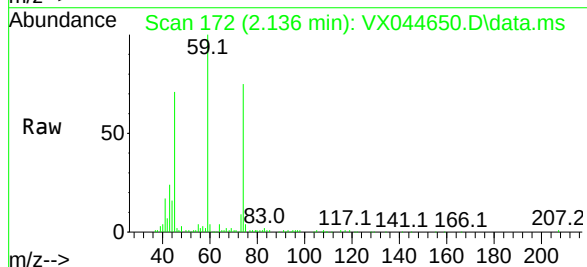
Manual Integrations
APPROVED

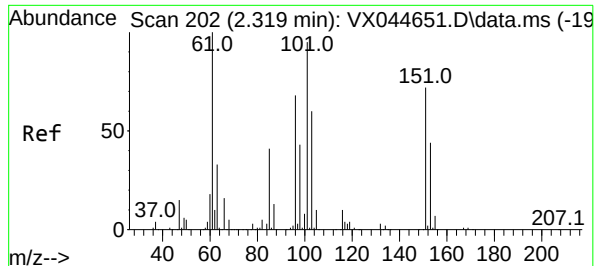
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#8
Diethyl Ether
Concen: 18.934 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 74 Resp: 23029
Ion Ratio Lower Upper
74 100
45 95.7 47.1 141.3





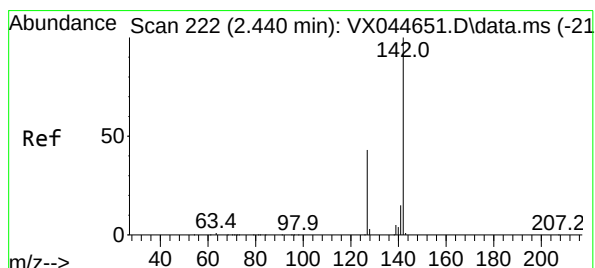
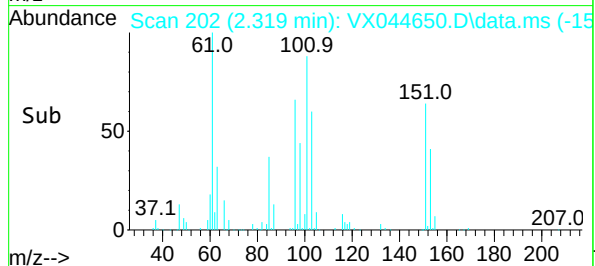
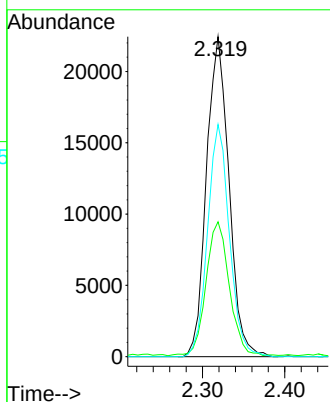
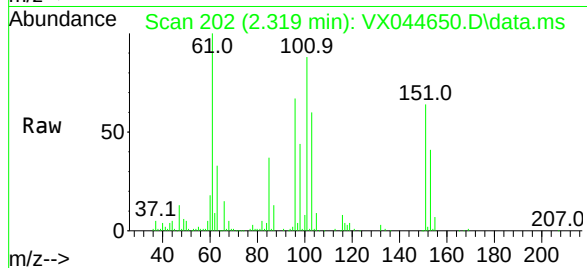
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.807 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 42608
Ion Ratio Lower Upper
101 100
85 43.3 35.3 52.9
151 70.4 58.2 87.4

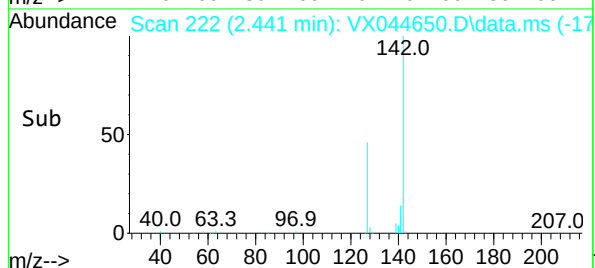
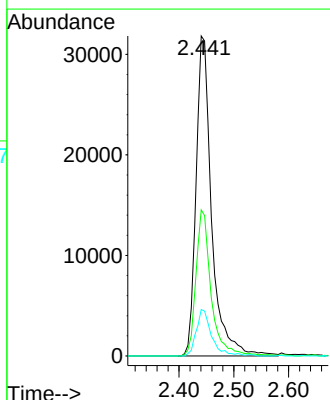
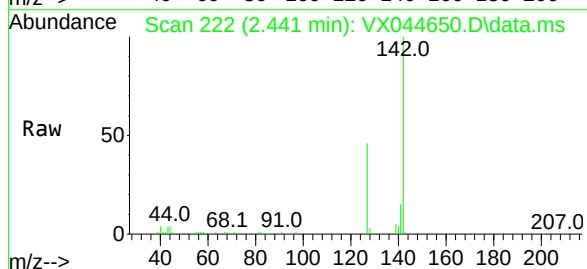
Manual Integrations
APPROVED

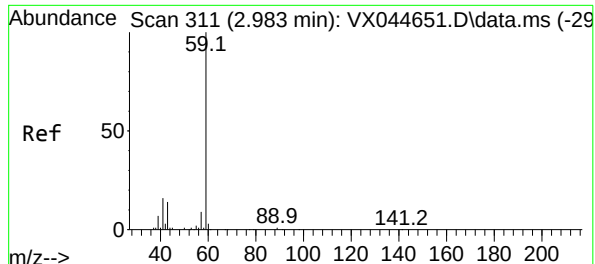
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#10
Methyl Iodide
Concen: 20.401 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

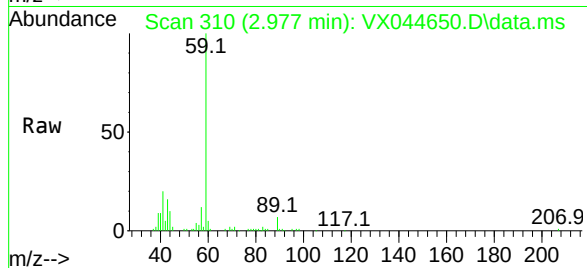
Tgt Ion:142 Resp: 63102
Ion Ratio Lower Upper
142 100
127 44.6 35.0 52.4
141 14.2 11.7 17.5





#11
Tert butyl alcohol
Concen: 96.990 ug/l m
RT: 2.977 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

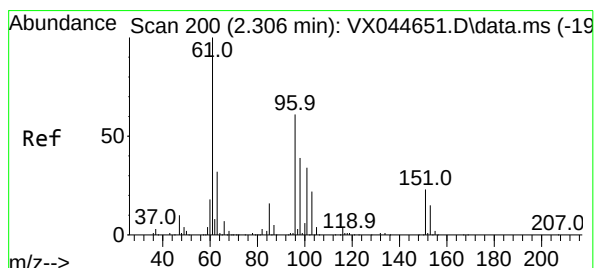
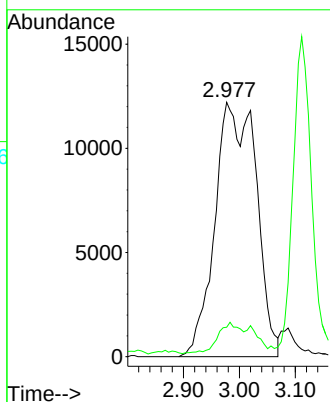
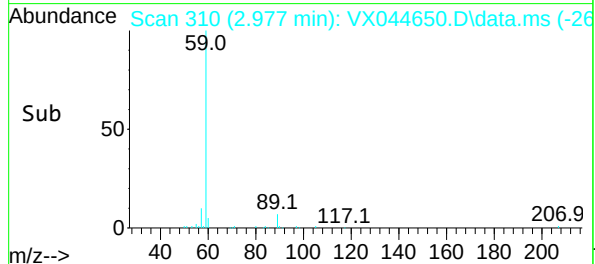
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 59 Resp: 62614
Ion Ratio Lower Upper
59 100
57 6.9 3.9 5.9

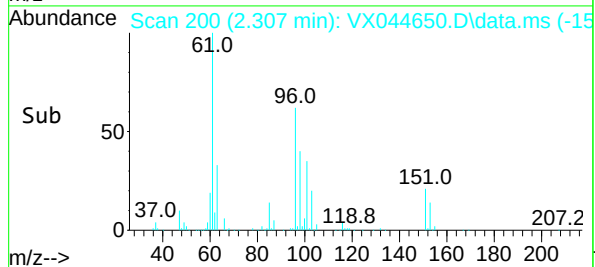
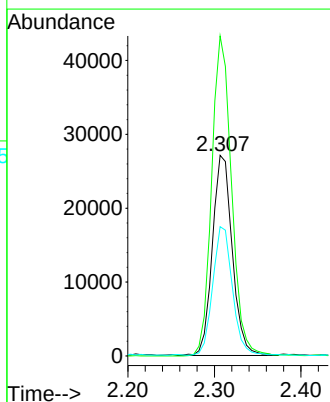
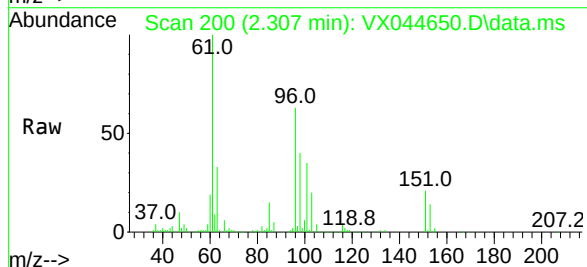
Manual Integrations
APPROVED

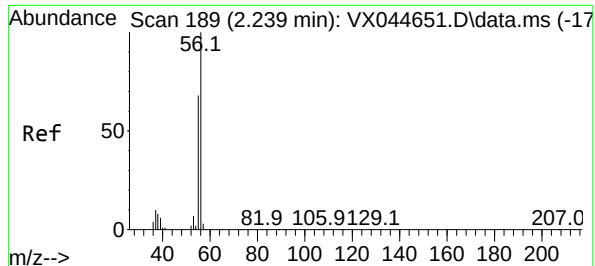
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#12
1,1-Dichloroethene
Concen: 19.547 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

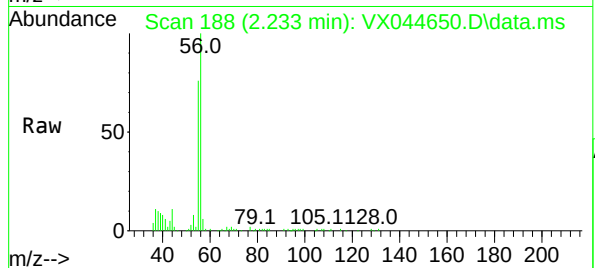
Tgt Ion: 96 Resp: 43408
Ion Ratio Lower Upper
96 100
61 159.8 131.1 196.7
98 63.9 51.2 76.8





#13
Acrolein
Concen: 82.949 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

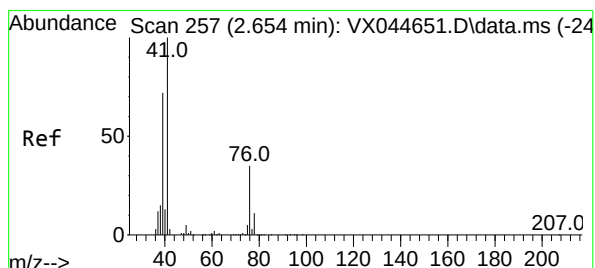
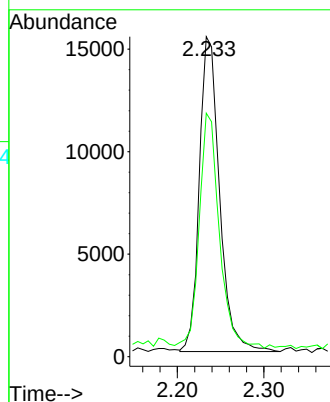
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 56 Resp: 24912
Ion Ratio Lower Upper
56 100
55 74.5 55.1 82.7

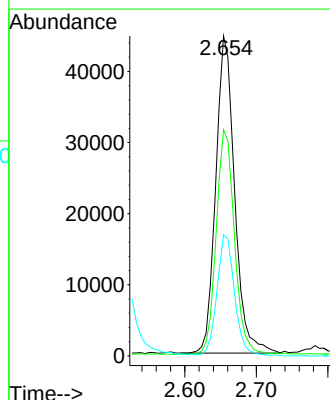
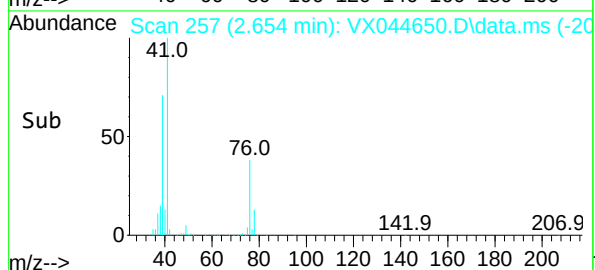
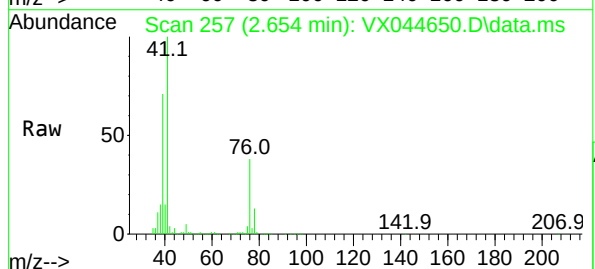
Manual Integrations
APPROVED

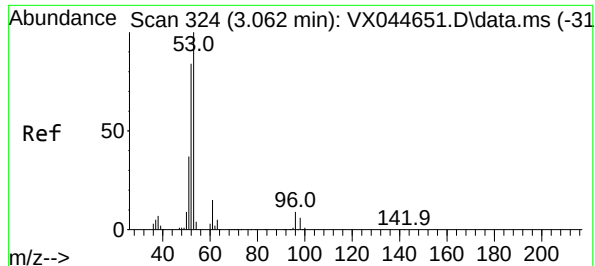
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#14
Allyl chloride
Concen: 18.911 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 41 Resp: 81766
Ion Ratio Lower Upper
41 100
39 68.5 54.9 82.3
76 35.8 28.4 42.6





#15

Acrylonitrile

Concen: 98.515 ug/l

RT: 3.063 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Tgt Ion: 53 Resp: 12331

Ion Ratio Lower Upper

53 100

52 84.1 66.0 99.0

51 36.7 28.9 43.3

Instrument :

MSVOA_X

ClientSampleId :

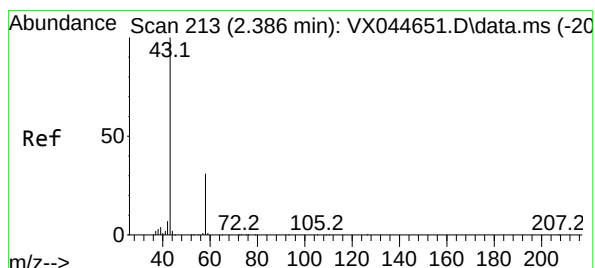
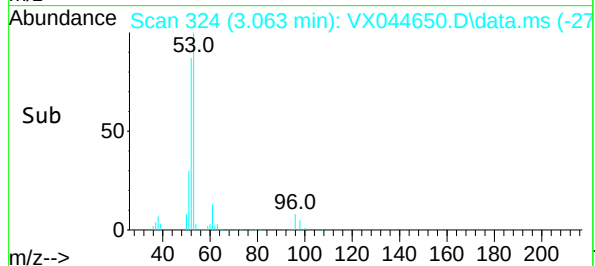
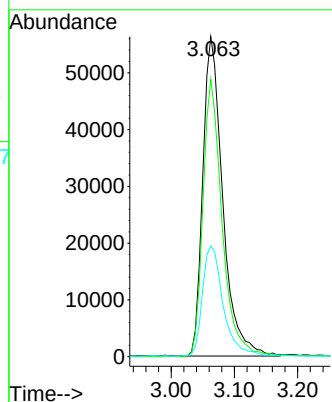
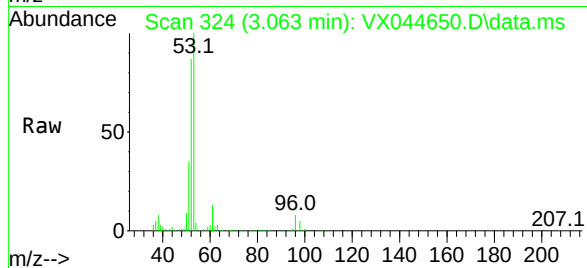
VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#16

Acetone

Concen: 91.678 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX044650.D

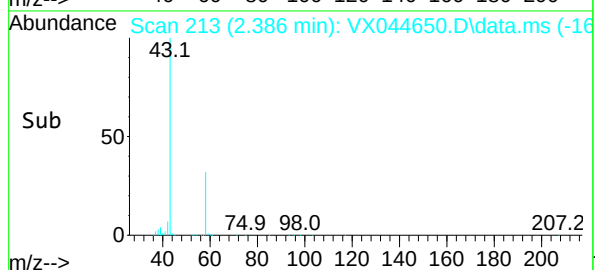
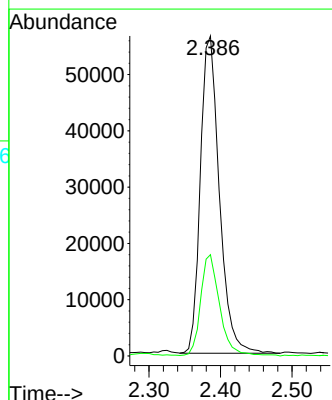
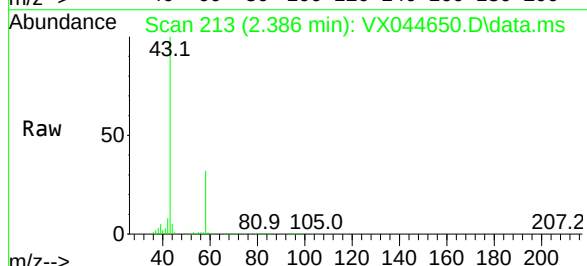
Acq: 15 Jan 2025 11:40

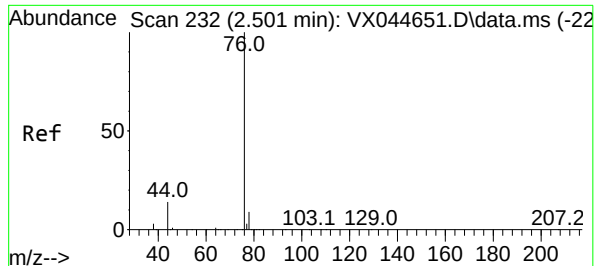
Tgt Ion: 43 Resp: 103836

Ion Ratio Lower Upper

43 100

58 31.9 24.6 37.0





#17

Carbon Disulfide

Concen: 19.662 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 11914

Ion Ratio Lower Upper

76 100

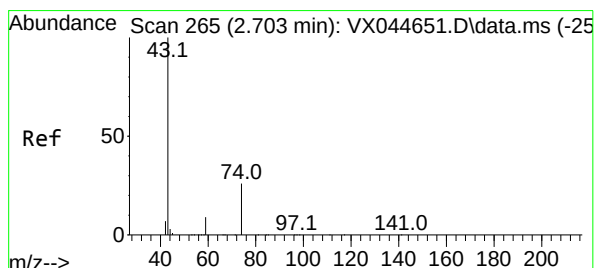
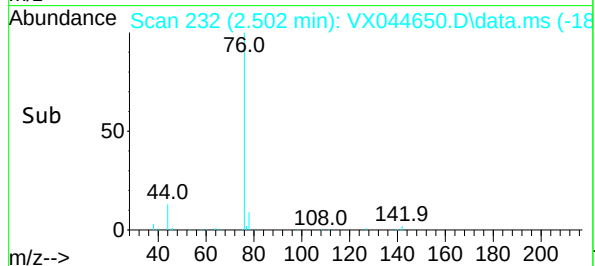
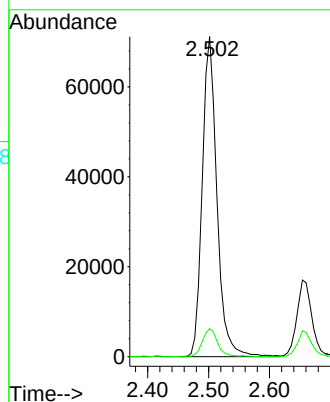
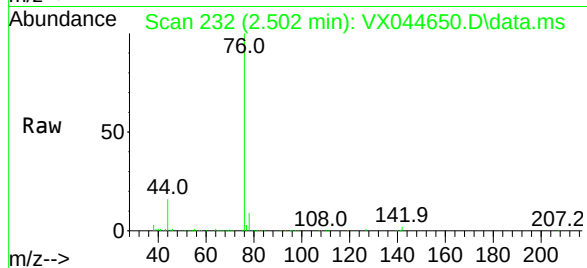
78 8.8 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#18

Methyl Acetate

Concen: 17.939 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044650.D

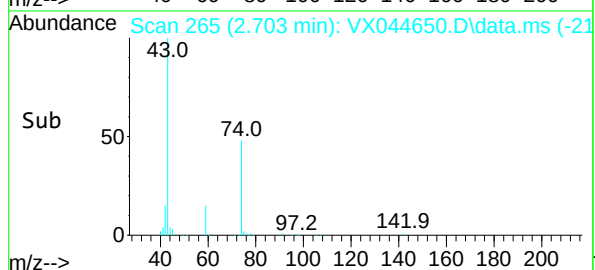
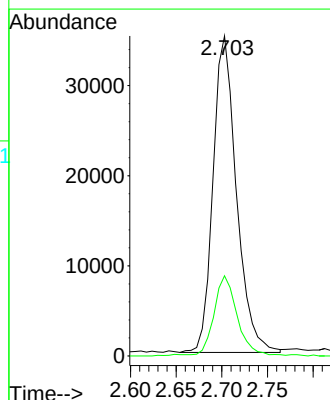
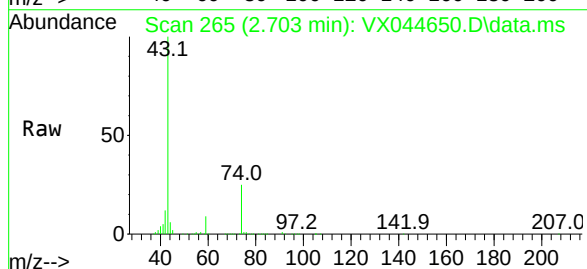
Acq: 15 Jan 2025 11:40

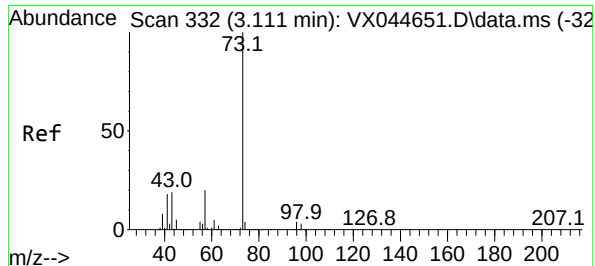
Tgt Ion: 43 Resp: 62684

Ion Ratio Lower Upper

43 100

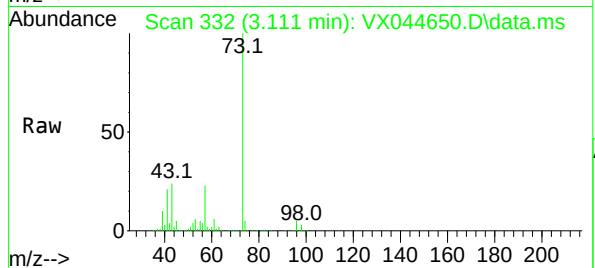
74 24.3 19.8 29.8





#19
Methyl tert-butyl Ether
Concen: 19.718 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

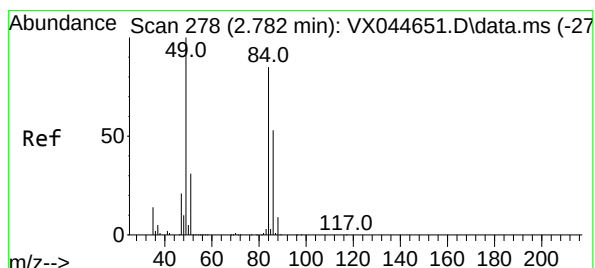
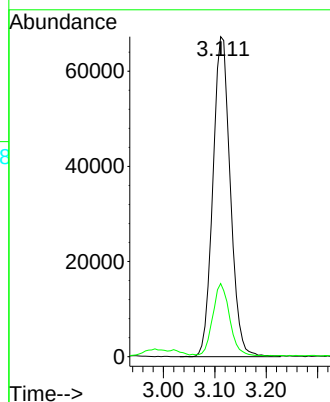
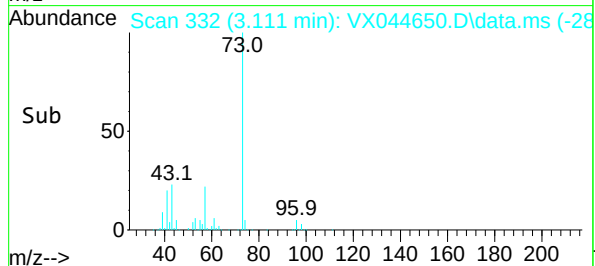
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 73 Resp: 15860
Ion Ratio Lower Upper
73 100
57 22.5 17.4 26.0

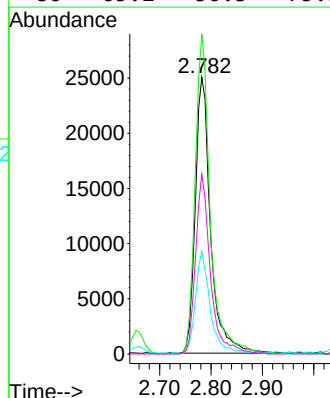
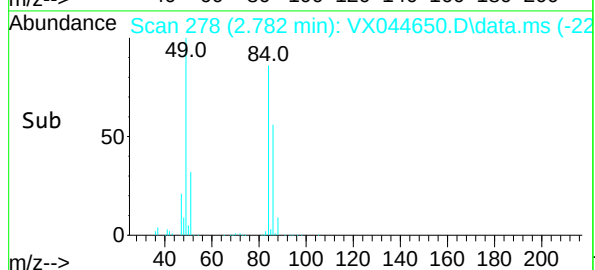
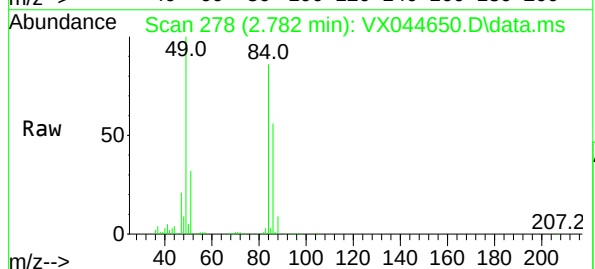
Manual Integrations
APPROVED

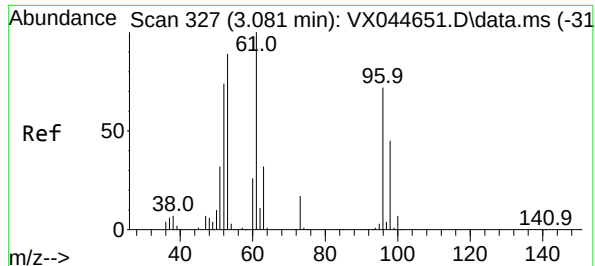
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#20
Methylene Chloride
Concen: 19.623 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 84 Resp: 51758
Ion Ratio Lower Upper
84 100
49 116.0 94.2 141.4
51 37.1 28.8 43.2
86 65.2 50.3 75.5





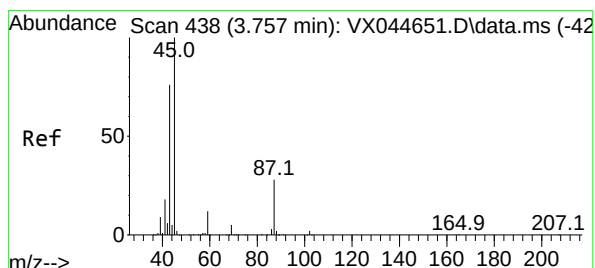
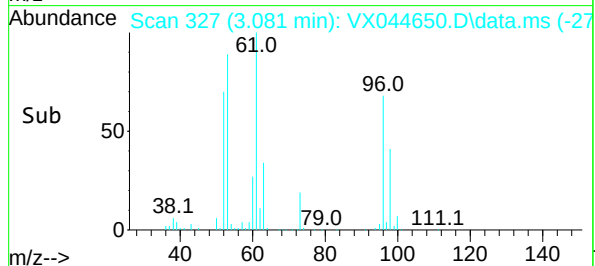
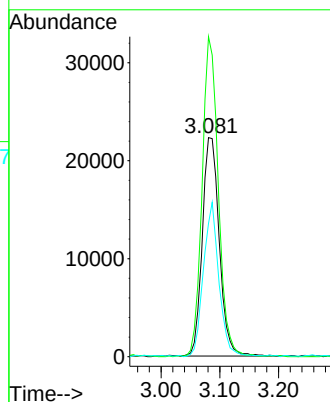
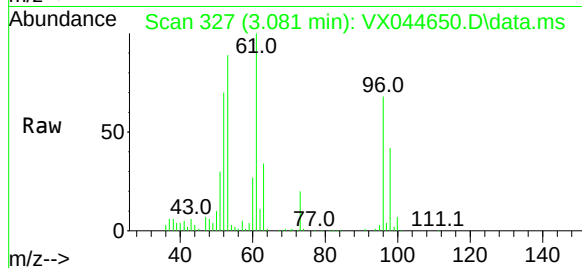
#21
trans-1,2-Dichloroethene
Concen: 19.317 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 44780
Ion Ratio Lower Upper
96 100
61 146.2 111.0 166.6
98 61.0 50.2 75.2

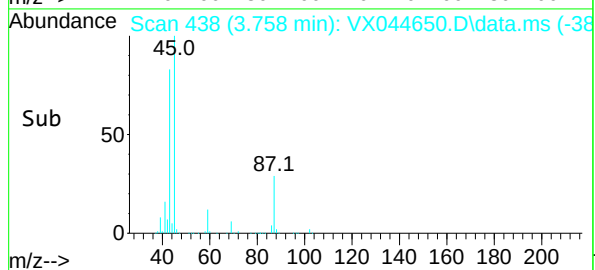
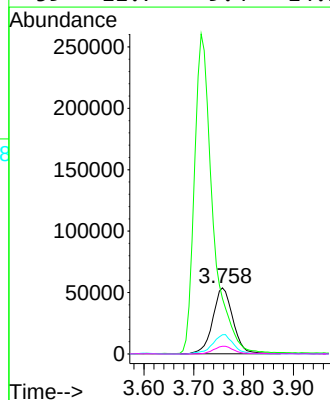
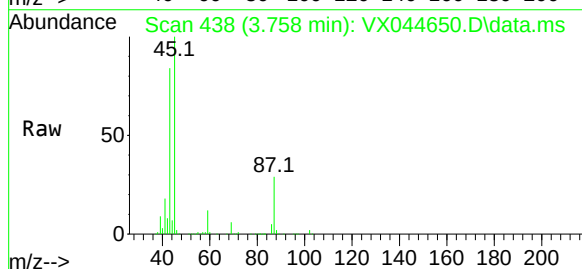
Manual Integrations
APPROVED

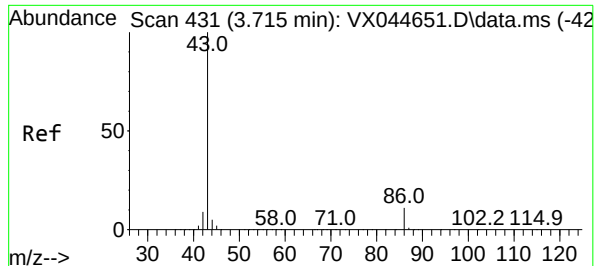
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#22
Diisopropyl ether
Concen: 20.095 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

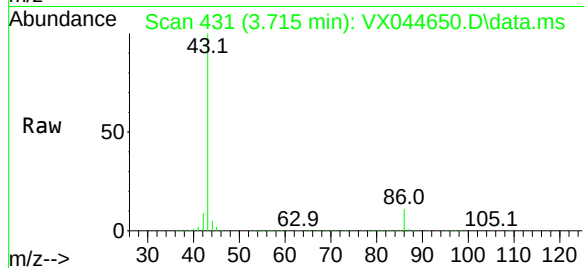
Tgt Ion: 45 Resp: 151033
Ion Ratio Lower Upper
45 100
43 83.3 61.0 91.6
87 29.1 22.7 34.1
59 11.7 9.4 14.2





#23
Vinyl Acetate
Concen: 101.337 ug/l
RT: 3.715 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

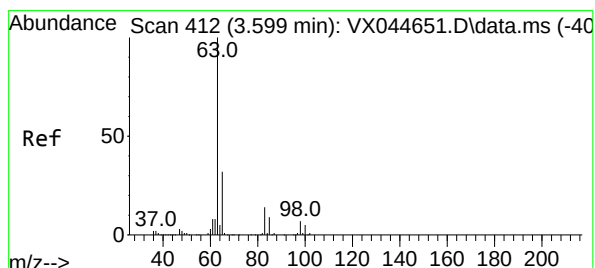
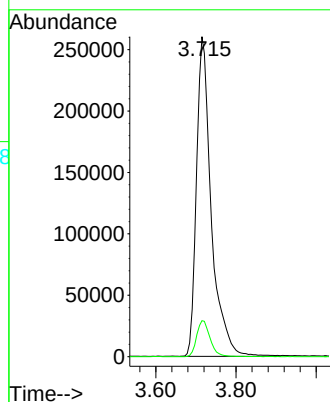
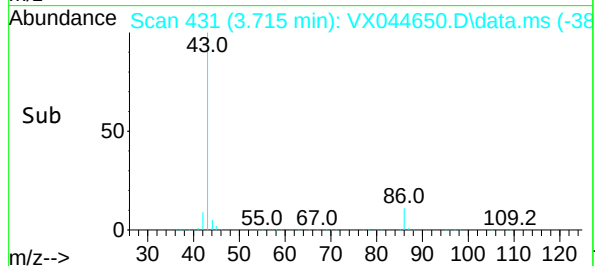
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 66664
Ion Ratio Lower Upper
43 100
86 11.3 8.9 13.3

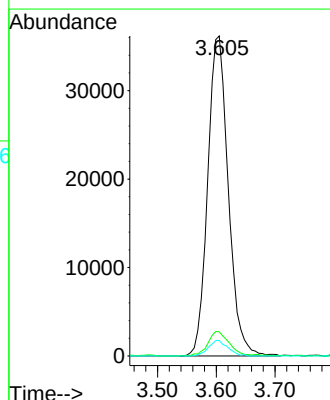
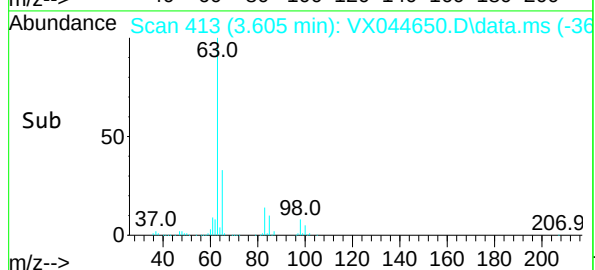
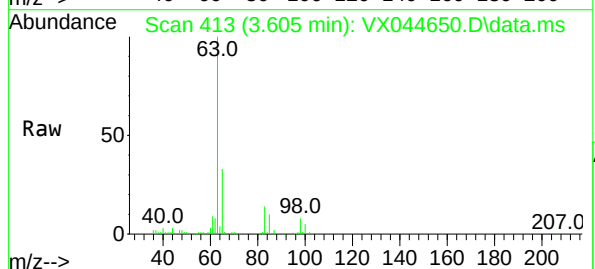
Manual Integrations
APPROVED

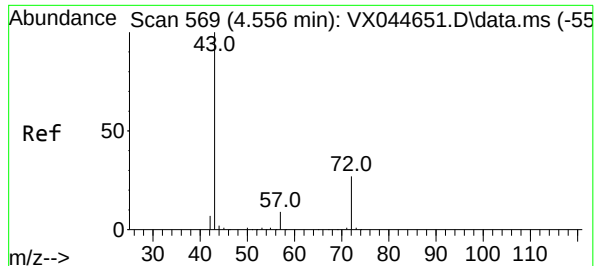
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#24
1,1-Dichloroethane
Concen: 19.758 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

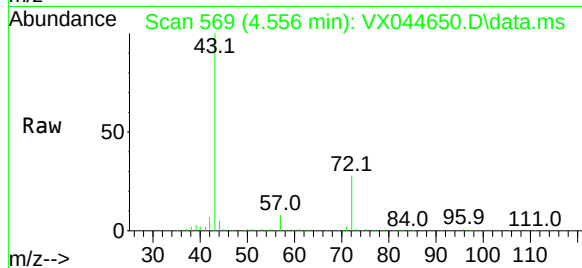
Tgt Ion: 63 Resp: 88060
Ion Ratio Lower Upper
63 100
98 7.4 3.6 10.9
100 4.8 2.5 7.5





#25
2-Butanone
Concen: 99.946 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

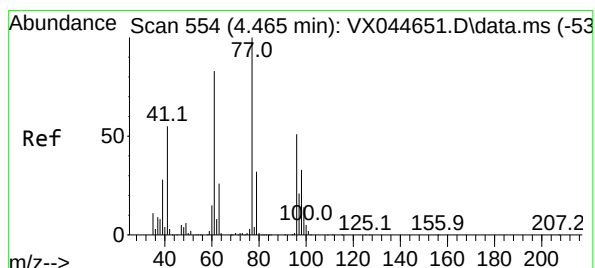
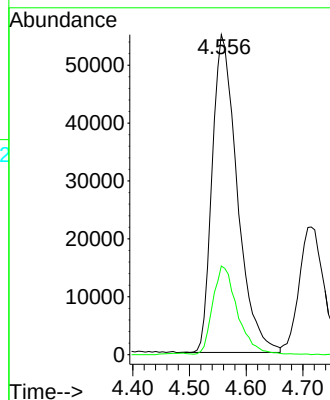
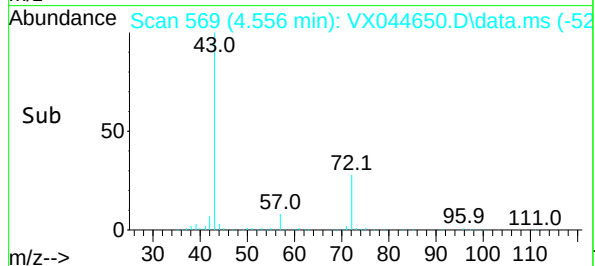
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion: 43 Resp: 168309
Ion Ratio Lower Upper
43 100
72 27.5 21.7 32.5

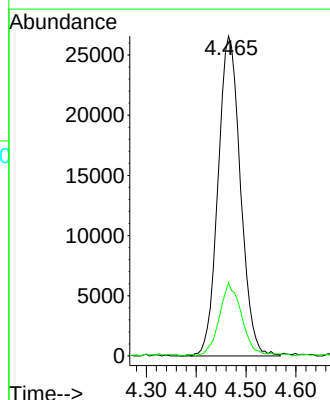
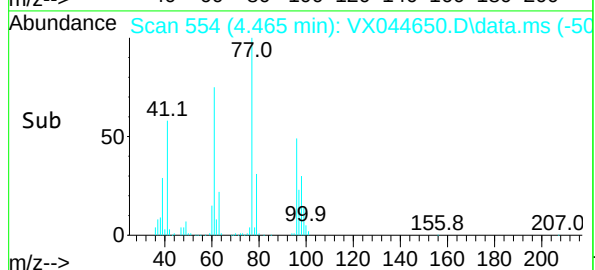
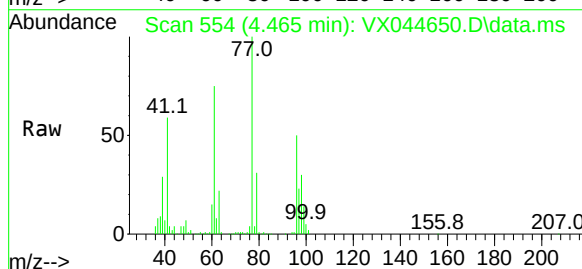
Manual Integrations
APPROVED

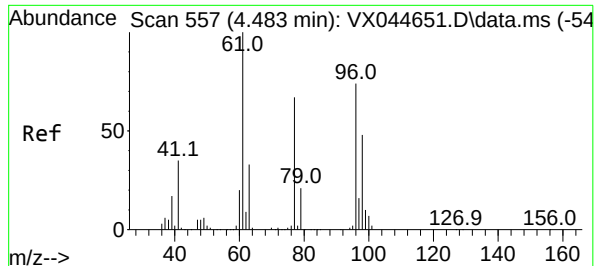
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#26
2,2-Dichloropropane
Concen: 19.209 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 77 Resp: 82977
Ion Ratio Lower Upper
77 100
97 23.3 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 19.406 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

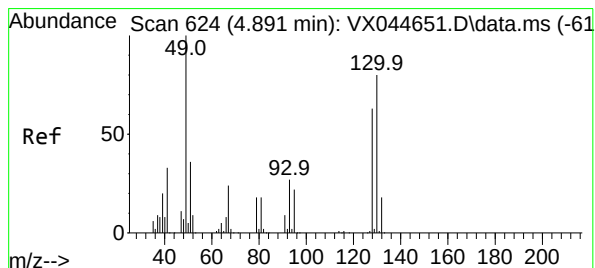
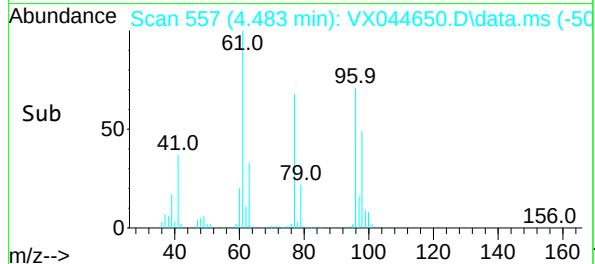
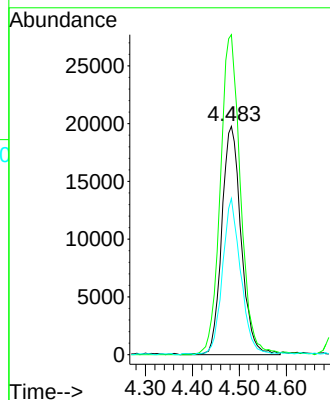
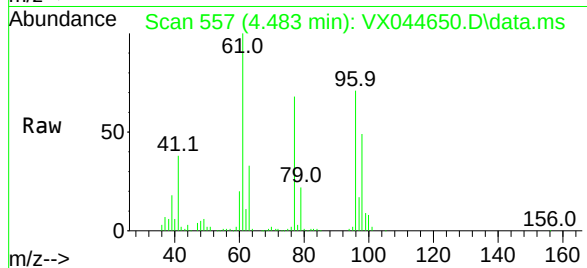
Tgt Ion: 96	Resp: 56594
Ion Ratio	Lower Upper
96 100	
61 145.5	0.0 296.0
98 65.0	0.0 130.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#28

Bromochloromethane

Concen: 18.978 ug/l

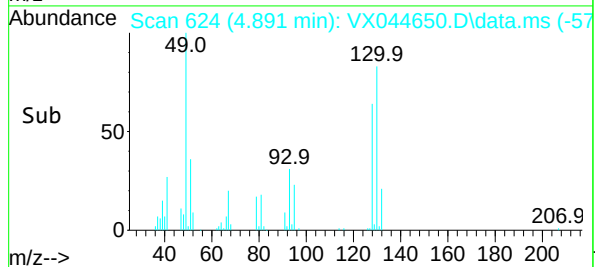
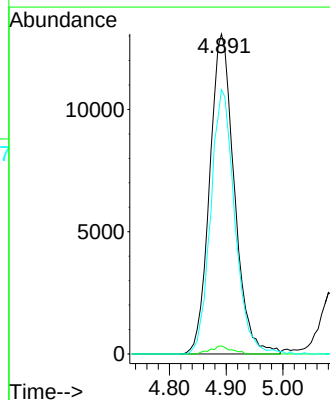
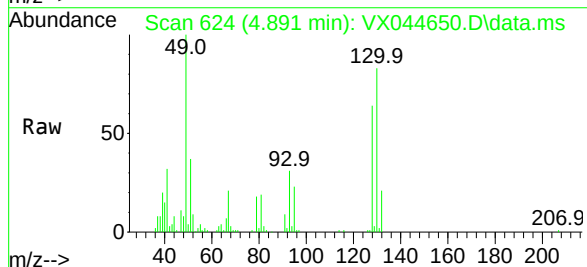
RT: 4.891 min Scan# 624

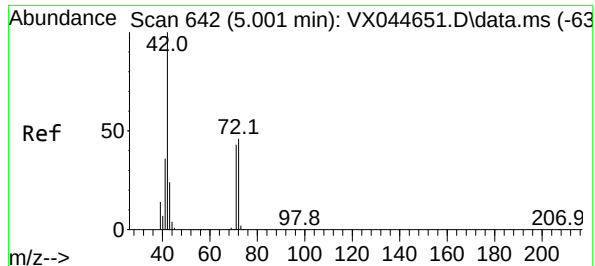
Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Tgt Ion: 49	Resp: 39526
Ion Ratio	Lower Upper
49 100	
129 2.1	0.0 4.4
130 80.8	63.4 95.2





#29

Tetrahydrofuran

Concen: 97.807 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 42 Resp: 10624

Ion Ratio Lower Upper

42 100

72 48.2 38.2 57.4

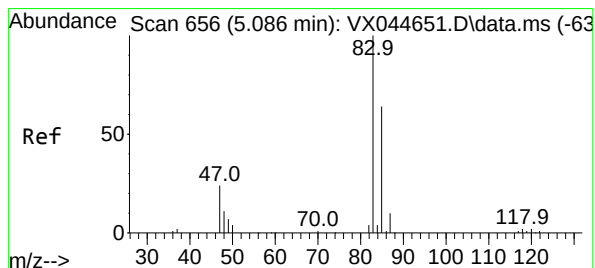
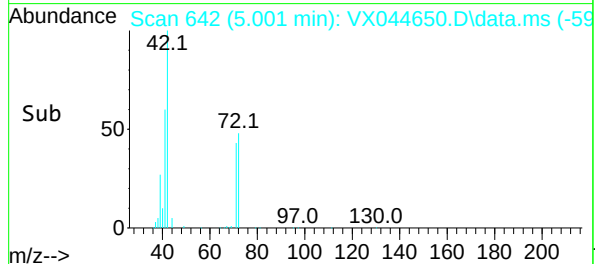
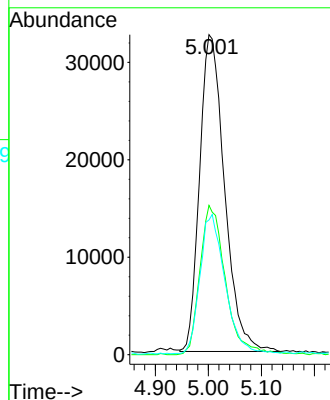
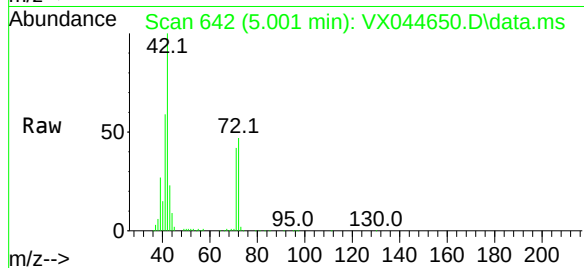
71 44.0 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#30

Chloroform

Concen: 19.985 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044650.D

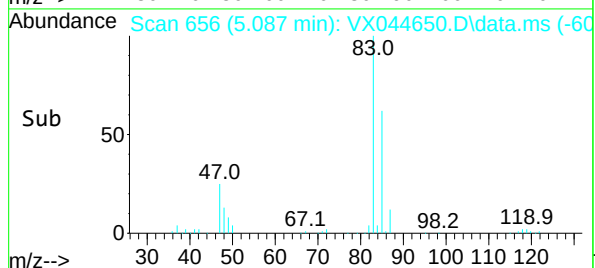
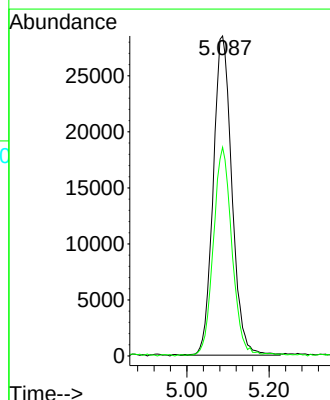
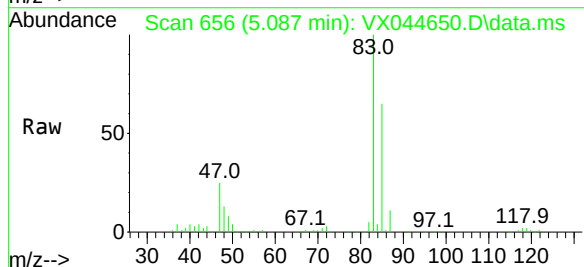
Acq: 15 Jan 2025 11:40

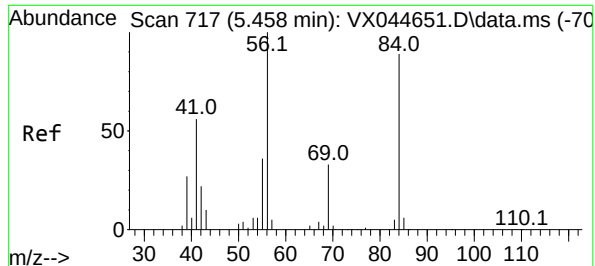
Tgt Ion: 83 Resp: 89891

Ion Ratio Lower Upper

83 100

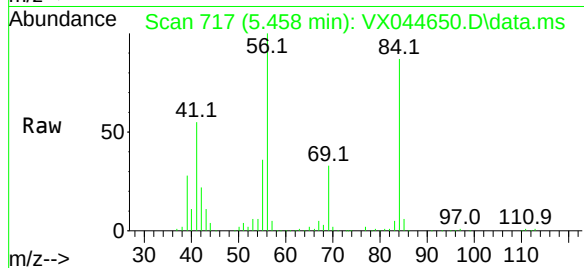
85 65.1 51.2 76.8





#31
Cyclohexane
Concen: 20.120 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

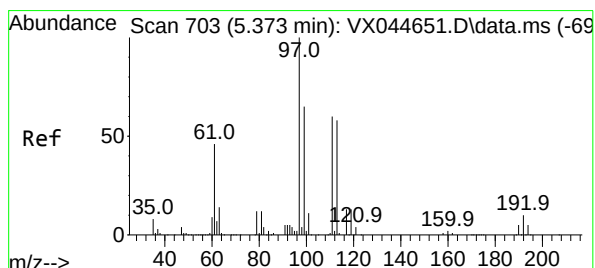
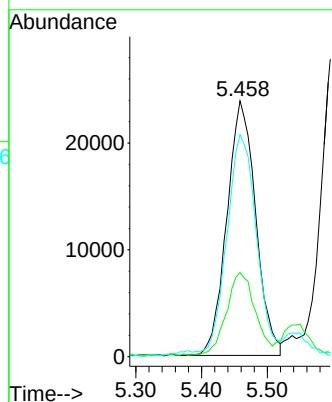
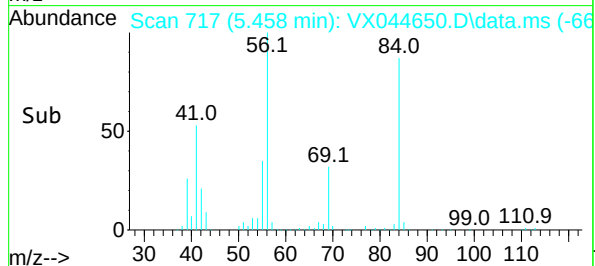
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 56 Resp: 7252
Ion Ratio Lower Upper
56 100
69 32.5 26.8 40.2
84 85.4 71.0 106.4

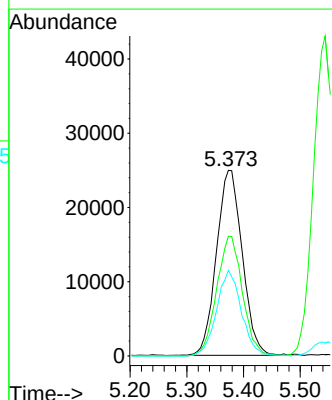
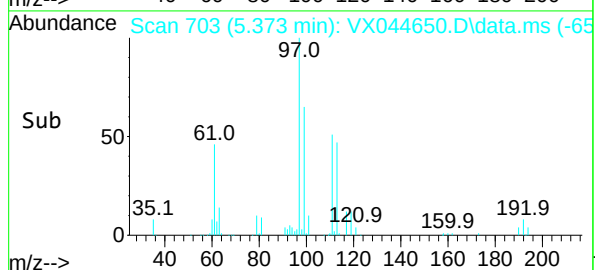
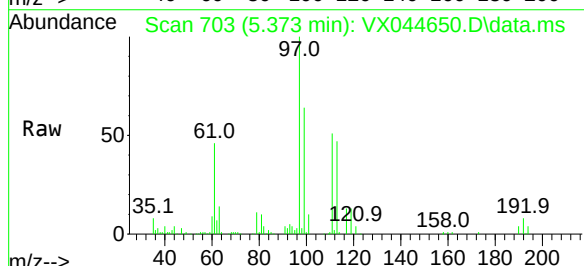
Manual Integrations
APPROVED

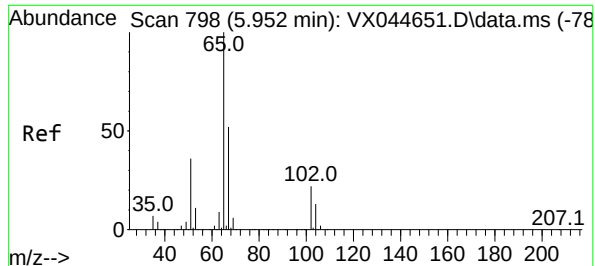
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#32
1,1,1-Trichloroethane
Concen: 19.019 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 97 Resp: 78644
Ion Ratio Lower Upper
97 100
99 64.7 51.6 77.4
61 44.6 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 18.311 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 5242

Ion Ratio Lower Upper

65 100

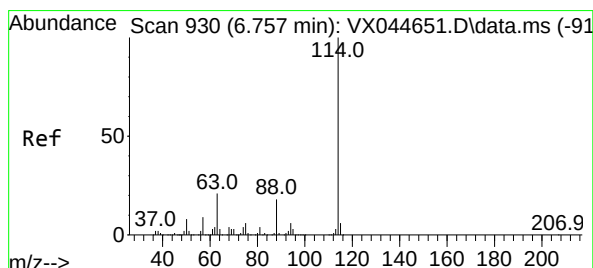
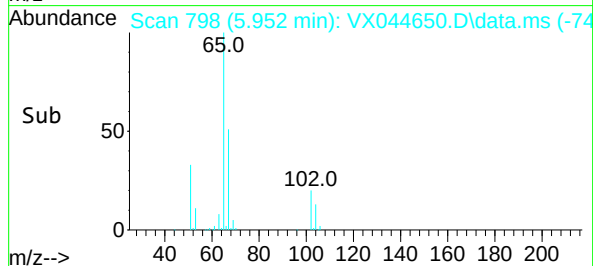
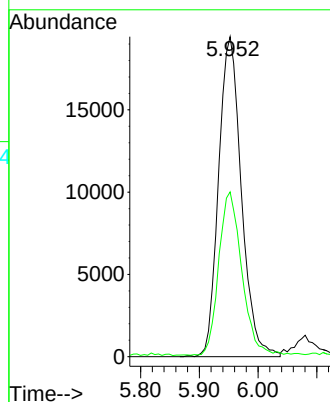
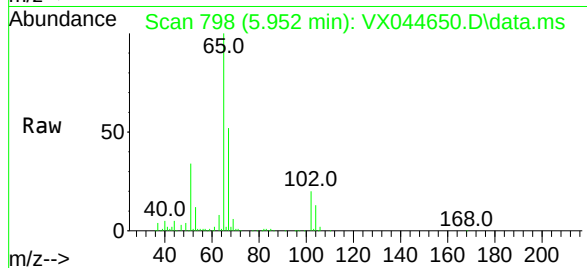
67 51.5 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

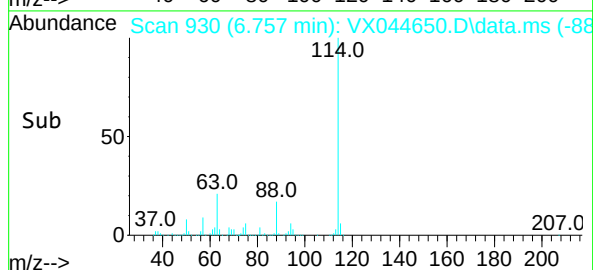
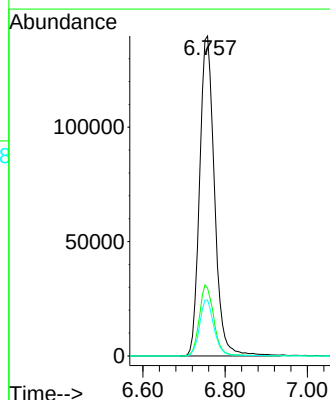
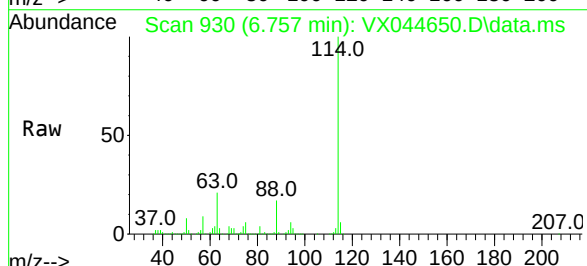
Tgt Ion:114 Resp: 351528

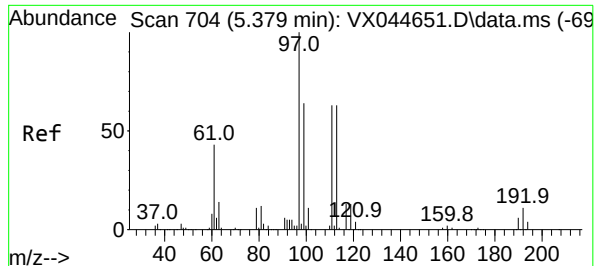
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

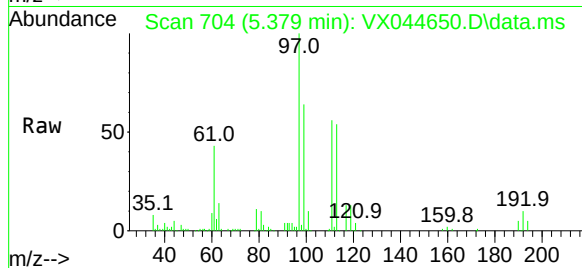
88 17.4 0.0 35.4





#35
Dibromofluoromethane
Concen: 18.173 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

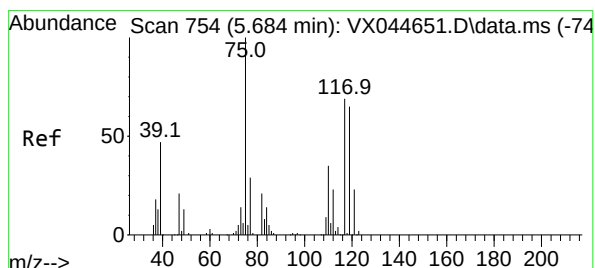
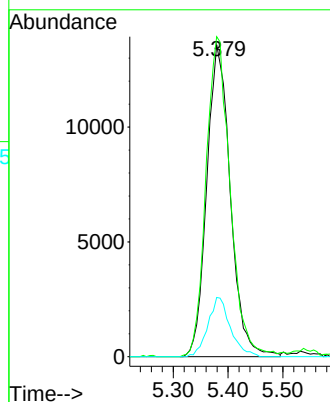
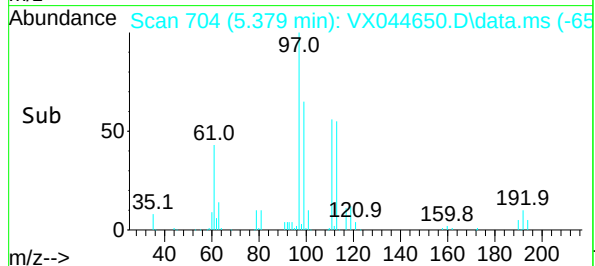
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion:113 Resp: 40589
Ion Ratio Lower Upper
113 100
111 104.7 81.6 122.4
192 18.0 14.4 21.6

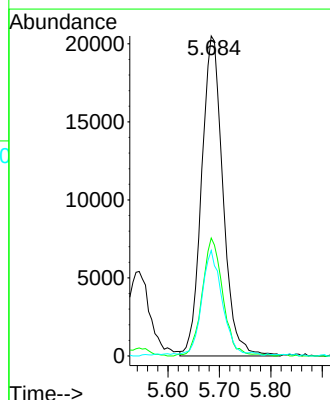
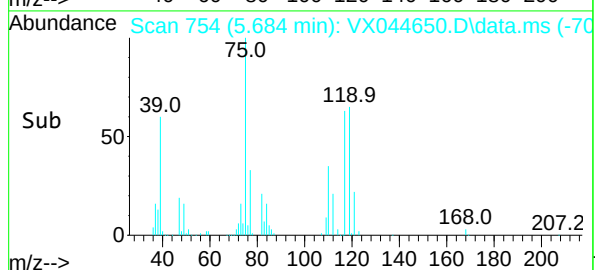
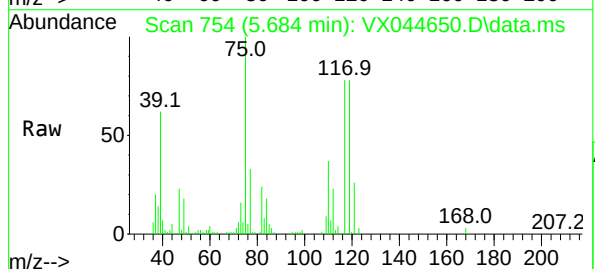
Manual Integrations
APPROVED

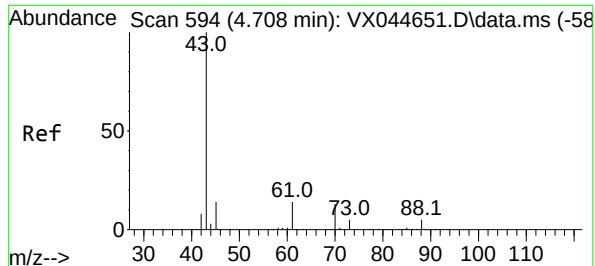
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#36
1,1-Dichloropropene
Concen: 19.076 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 75 Resp: 59303
Ion Ratio Lower Upper
75 100
110 35.8 17.9 53.8
77 29.8 24.5 36.7





#37

Ethyl Acetate

Concen: 20.034 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Tgt Ion:	43	Resp:	66324
Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.9	16.3
70	12.0	10.1	15.1

Instrument :

MSVOA_X

ClientSampleId :

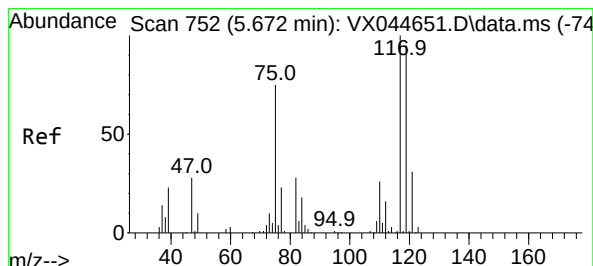
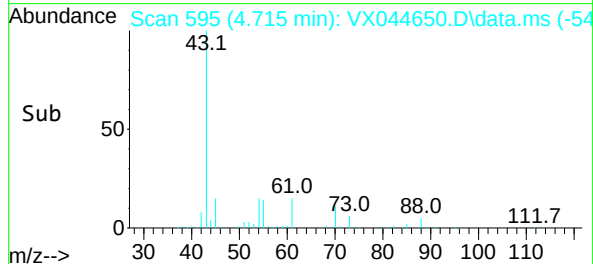
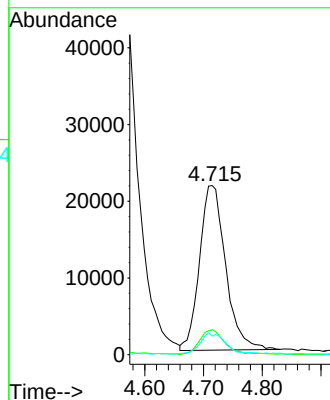
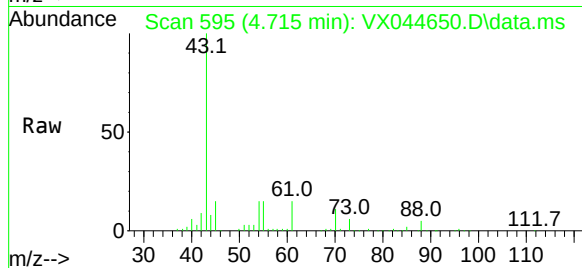
VSTDIC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#38

Carbon Tetrachloride

Concen: 18.829 ug/l

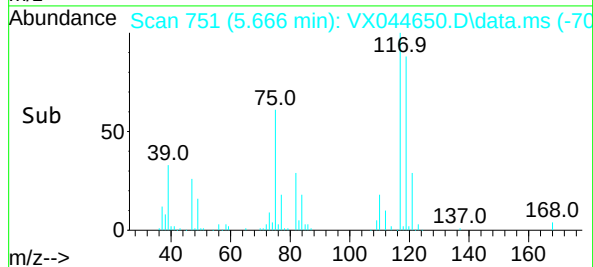
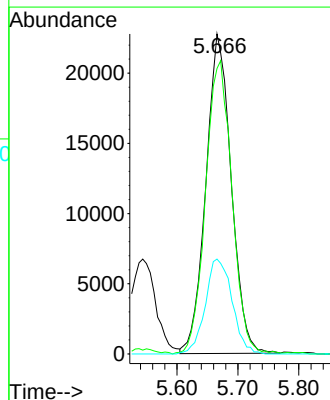
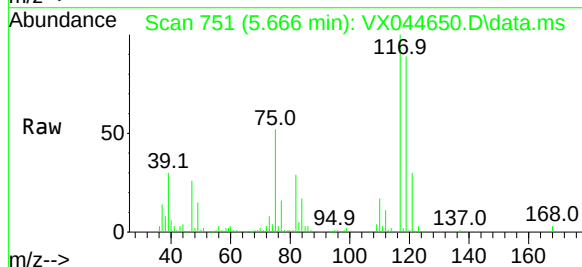
RT: 5.666 min Scan# 751

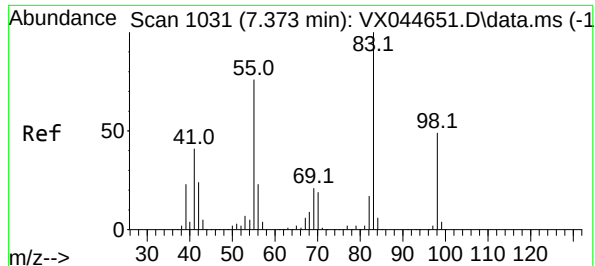
Delta R.T. -0.006 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Tgt Ion:	117	Resp:	65838
Ion	Ratio	Lower	Upper
117	100		
119	89.1	76.0	114.0
121	29.7	24.6	36.8





#39

Methylcyclohexane

Concen: 18.961 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 7824

Ion Ratio Lower Upper

83 100

55 79.3 60.5 90.7

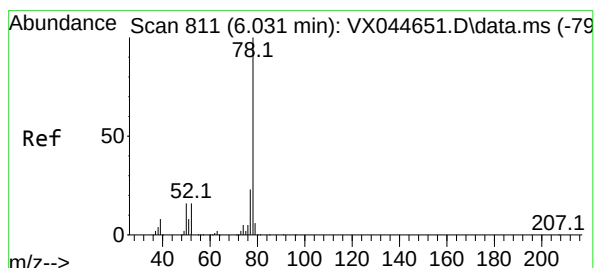
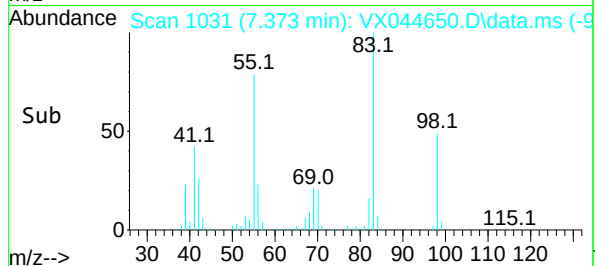
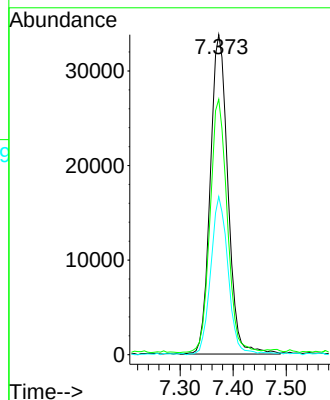
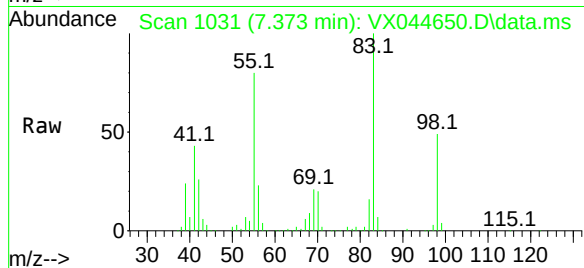
98 49.2 39.0 58.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#40

Benzene

Concen: 19.911 ug/l

RT: 6.032 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044650.D

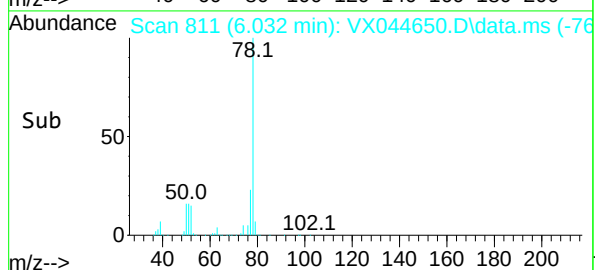
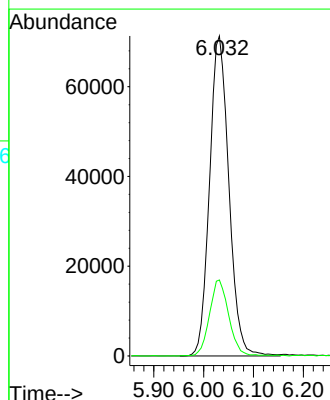
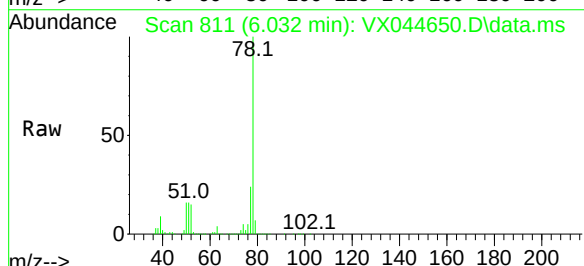
Acq: 15 Jan 2025 11:40

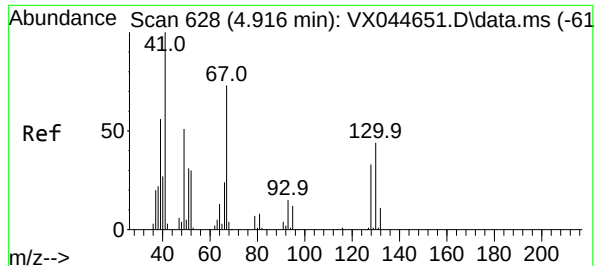
Tgt Ion: 78 Resp: 191801

Ion Ratio Lower Upper

78 100

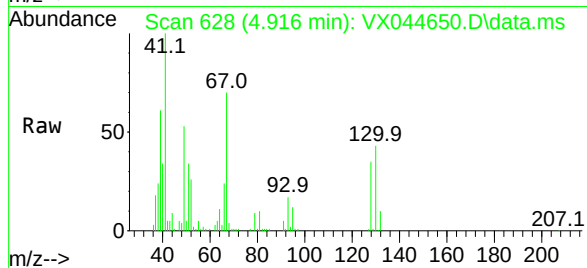
77 23.7 18.7 28.1





#41
Methacrylonitrile
Concen: 19.016 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

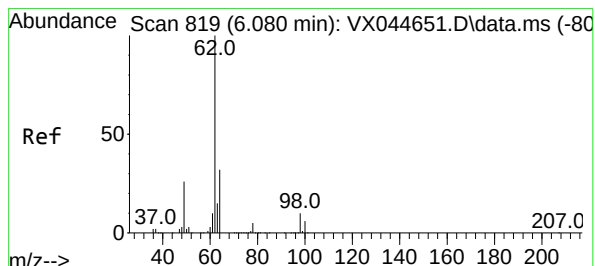
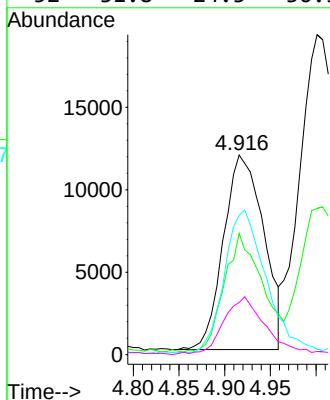
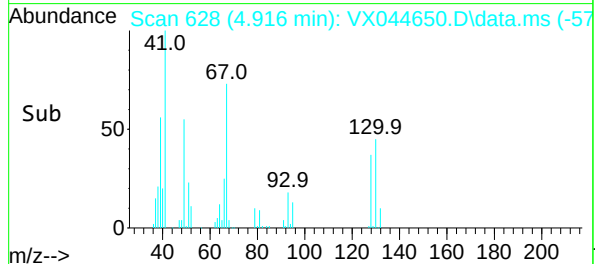
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 41 Resp: 36180
Ion Ratio Lower Upper
41 100
39 58.8 44.4 66.6
67 75.9 60.6 90.8
52 31.8 24.3 36.5

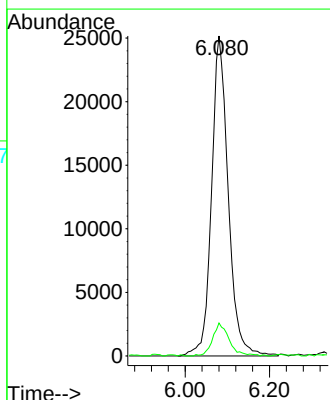
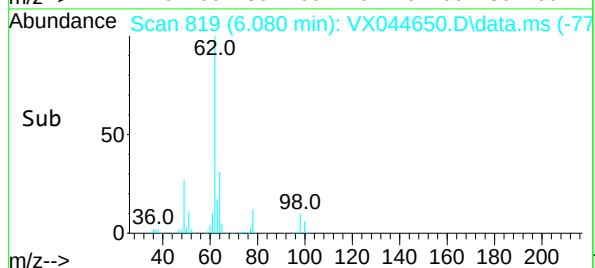
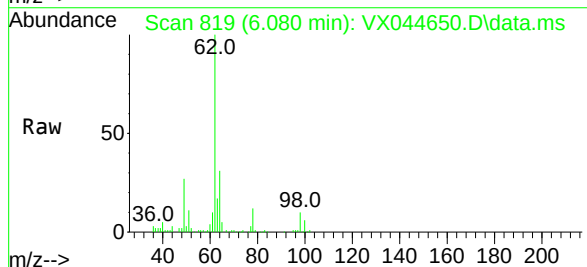
Manual Integrations
APPROVED

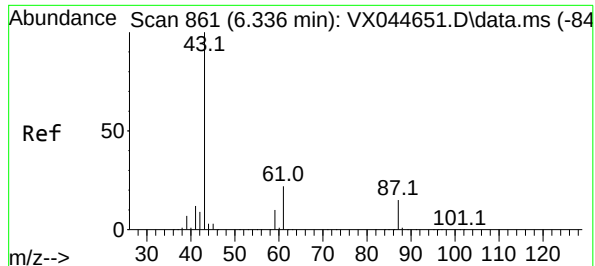
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#42
1,2-Dichloroethane
Concen: 19.635 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 62 Resp: 69034
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.4





#43

Isopropyl Acetate

Concen: 19.633 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 11956

Ion Ratio Lower Upper

43 100

61 21.1 16.6 24.8

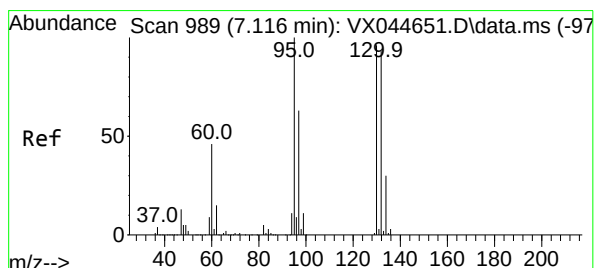
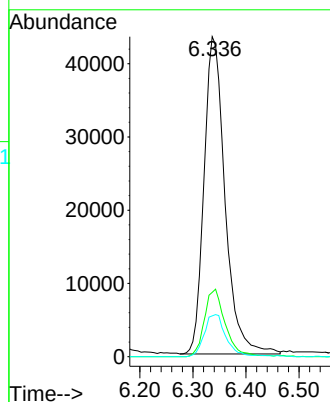
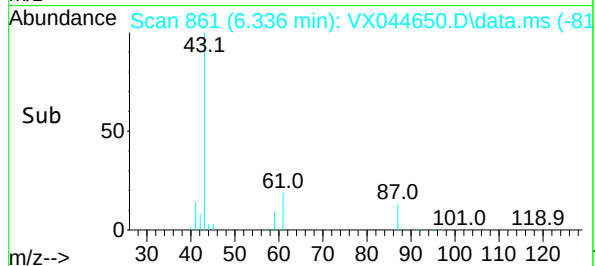
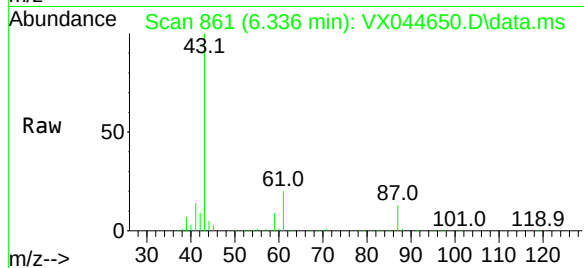
87 13.5 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#44

Trichloroethene

Concen: 19.689 ug/l

RT: 7.117 min Scan# 989

Delta R.T. 0.000 min

Lab File: VX044650.D

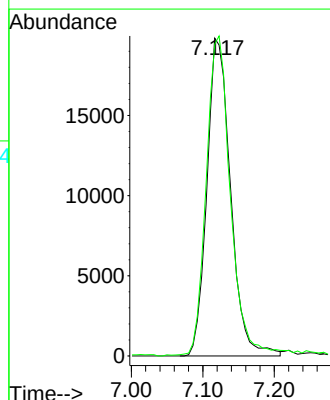
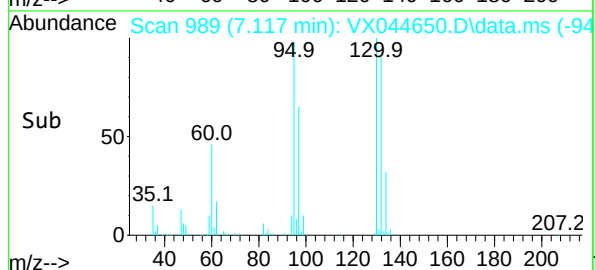
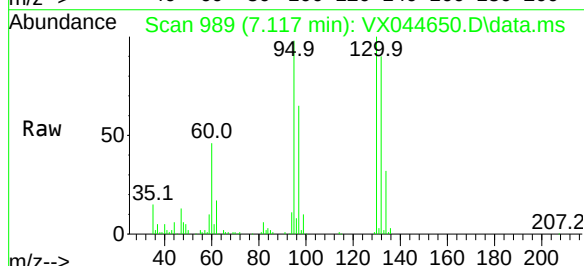
Acq: 15 Jan 2025 11:40

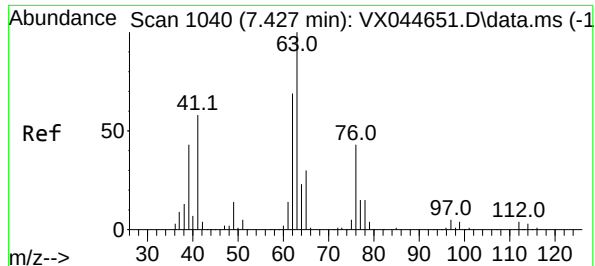
Tgt Ion:130 Resp: 45597

Ion Ratio Lower Upper

130 100

95 97.7 0.0 208.2





#45

1,2-Dichloropropane

Concen: 19.429 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 4711

Ion Ratio Lower Upper

63 100

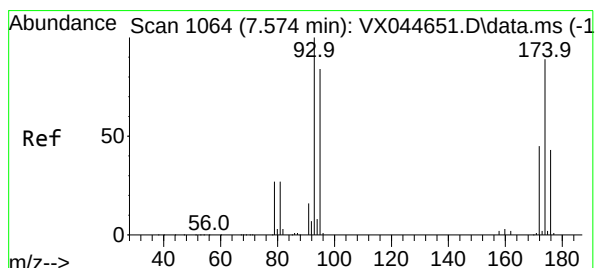
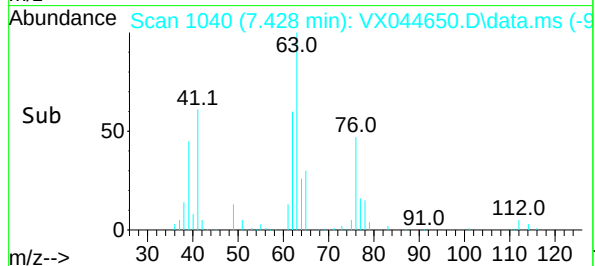
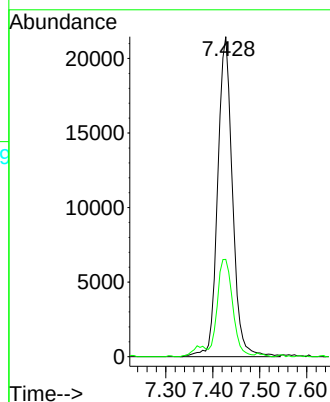
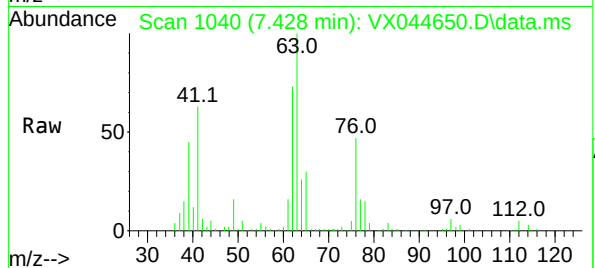
65 30.4 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#46

Dibromomethane

Concen: 18.991 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

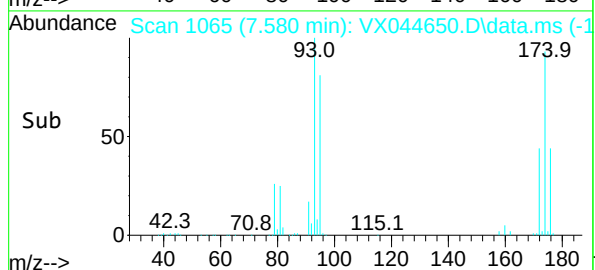
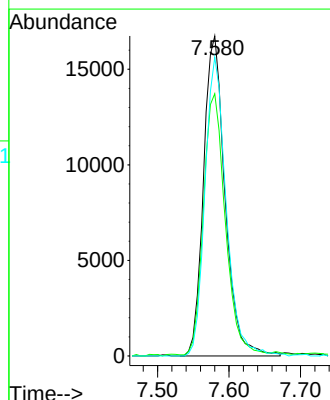
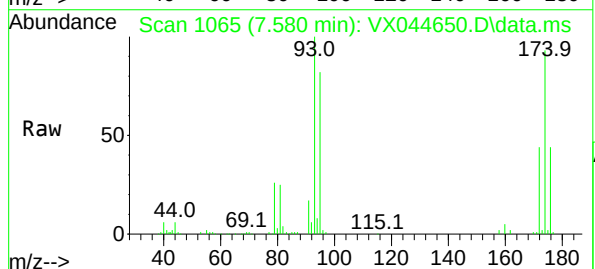
Tgt Ion: 93 Resp: 35056

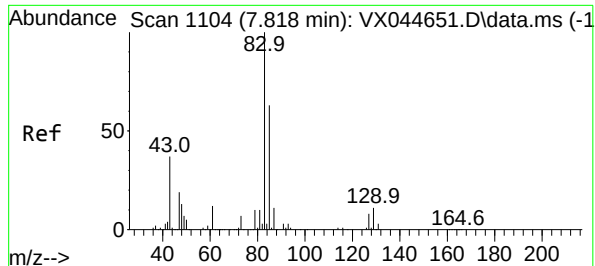
Ion Ratio Lower Upper

93 100

95 82.3 66.4 99.6

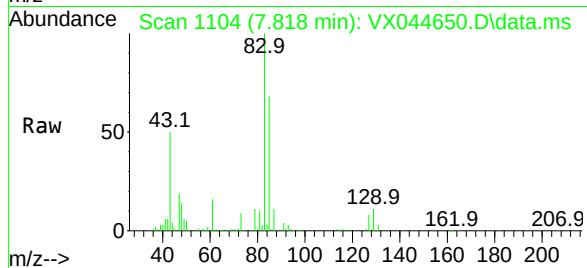
174 92.1 72.0 108.0





#47
Bromodichloromethane
Concen: 19.241 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

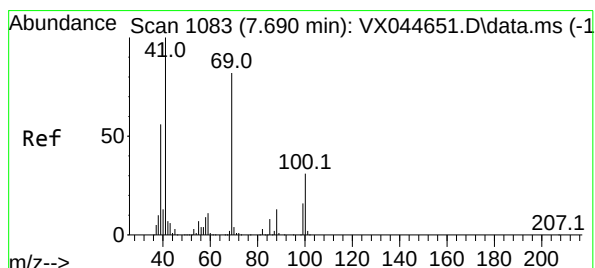
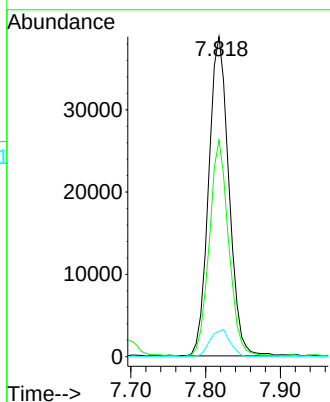
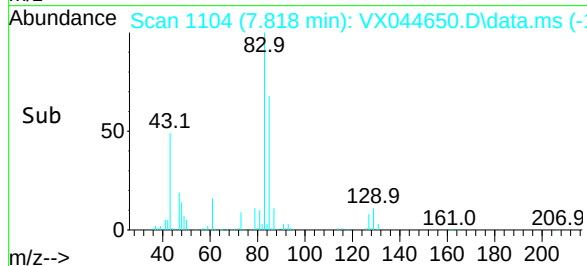
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 83 Resp: 7283
Ion Ratio Lower Upper
83 100
85 67.6 50.1 75.1
127 7.9 6.5 9.7

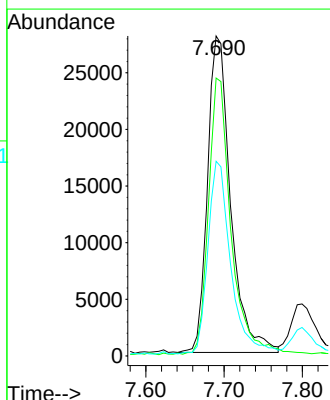
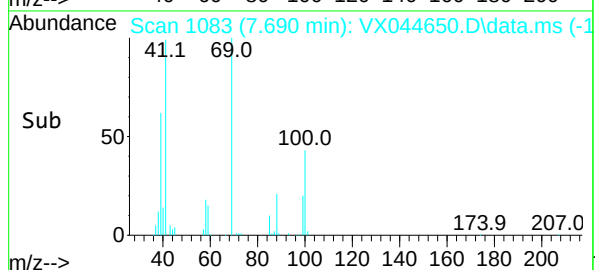
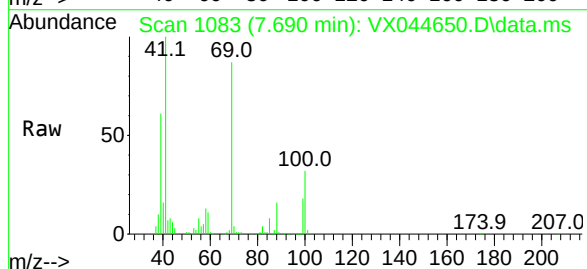
Manual Integrations
APPROVED

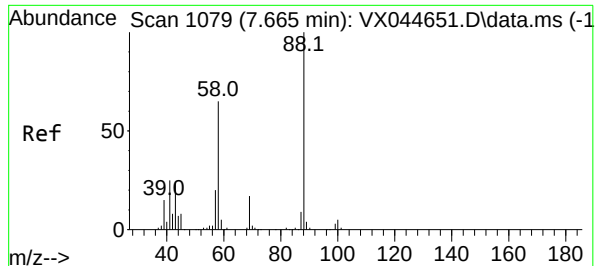
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#48
Methyl methacrylate
Concen: 20.310 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 41 Resp: 57413
Ion Ratio Lower Upper
41 100
69 84.9 66.8 100.2
39 60.0 47.4 71.0





#49

1,4-Dioxane

Concen: 397.311 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 88 Resp: 2343

Ion Ratio Lower Upper

88 100

43 32.8 27.0 40.4

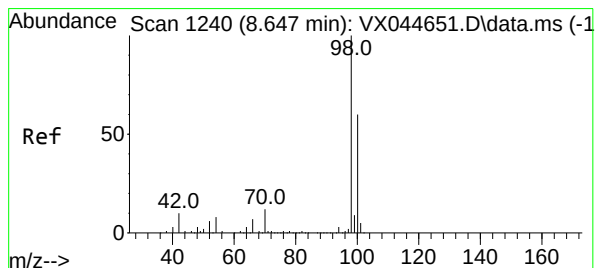
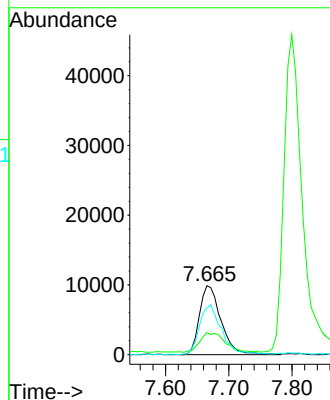
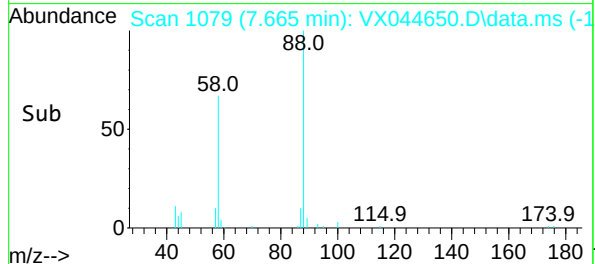
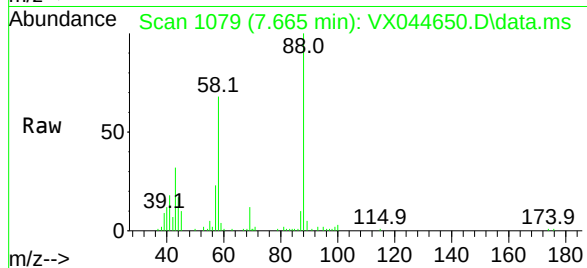
58 72.7 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#50

Toluene-d8

Concen: 18.987 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044650.D

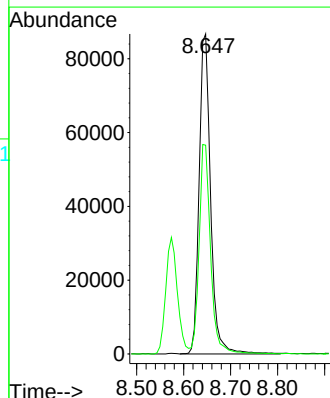
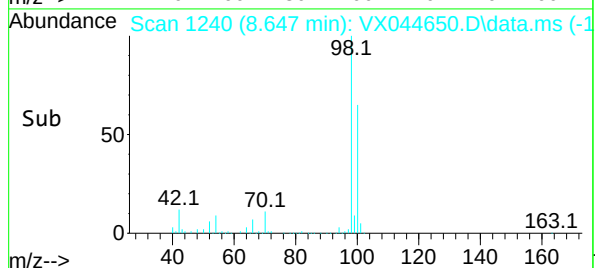
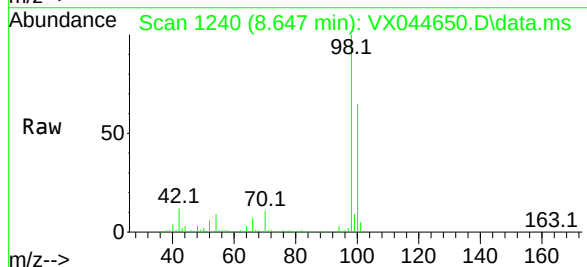
Acq: 15 Jan 2025 11:40

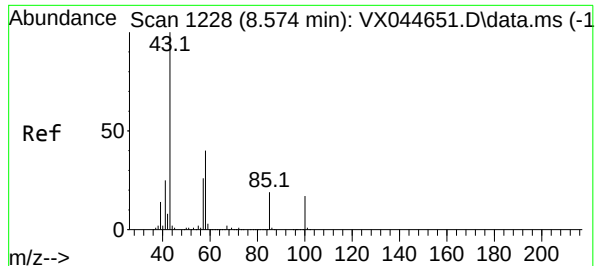
Tgt Ion: 98 Resp: 147843

Ion Ratio Lower Upper

98 100

100 65.5 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 100.520 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 338304

Ion Ratio Lower Upper

43 100

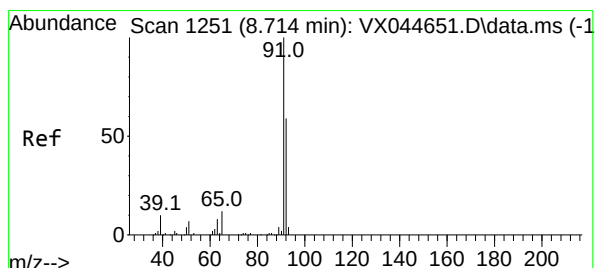
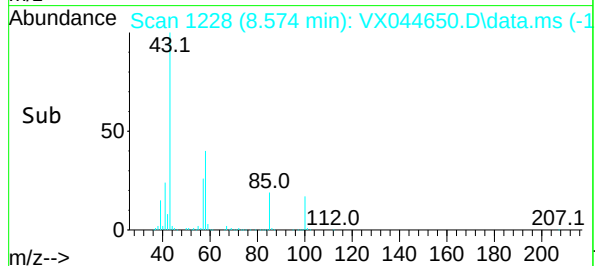
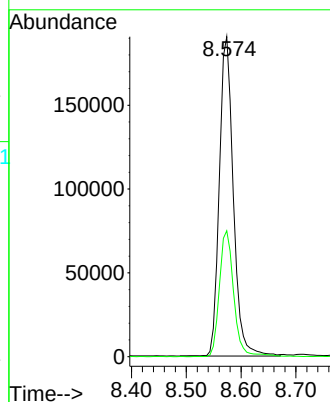
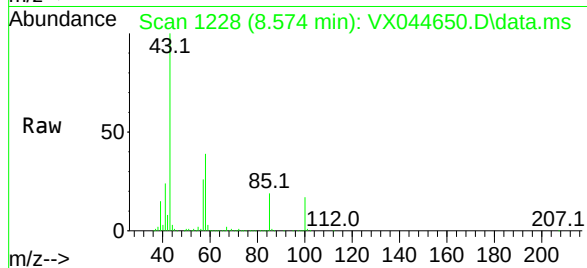
58 40.4 31.9 47.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#52

Toluene

Concen: 20.253 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044650.D

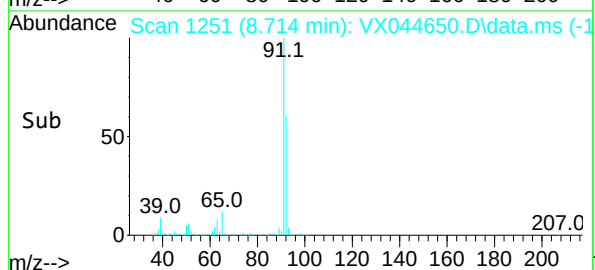
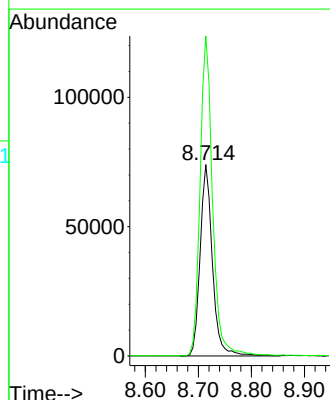
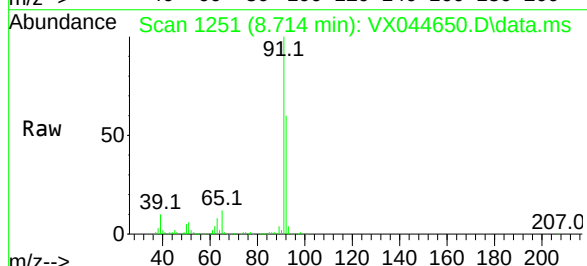
Acq: 15 Jan 2025 11:40

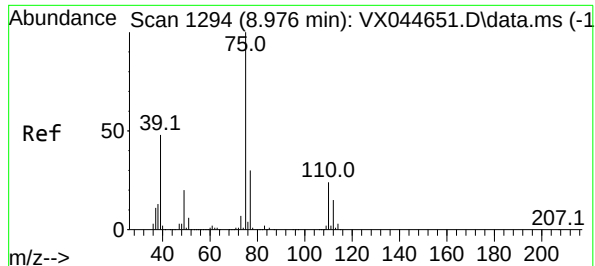
Tgt Ion: 92 Resp: 119410

Ion Ratio Lower Upper

92 100

91 170.2 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 20.266 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 79260

Ion Ratio Lower Upper

75 100

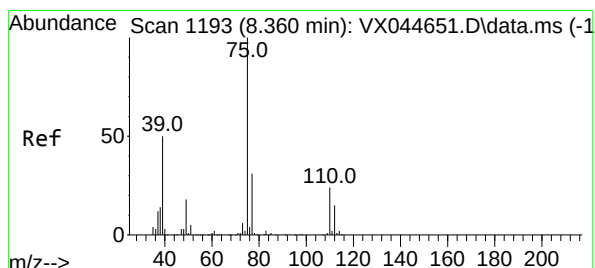
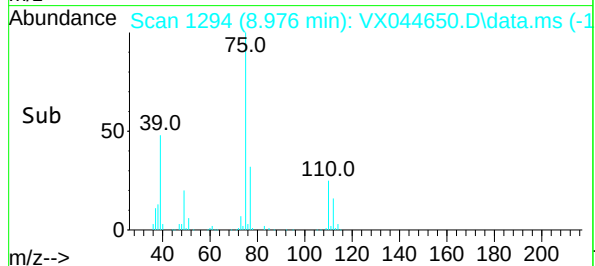
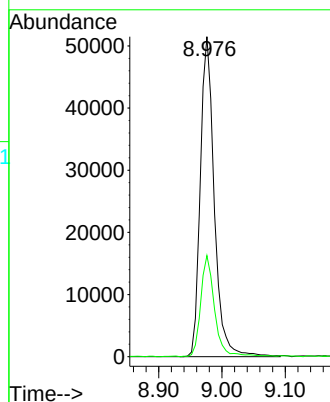
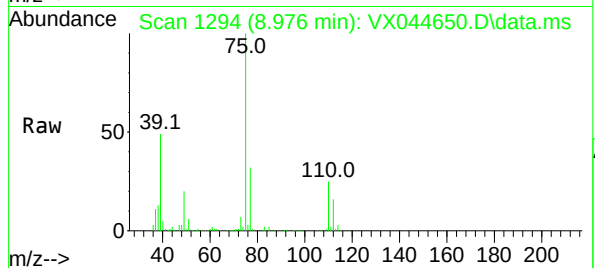
77 31.6 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#54

cis-1,3-Dichloropropene

Concen: 20.008 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

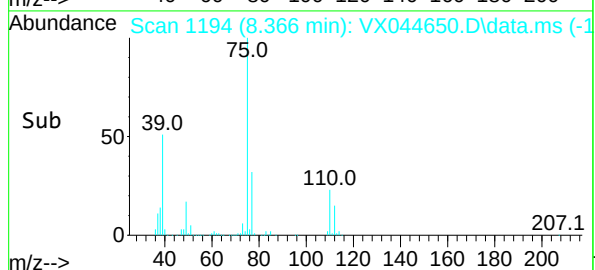
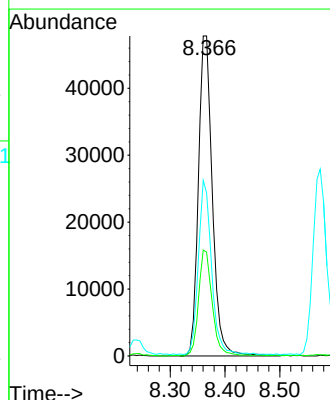
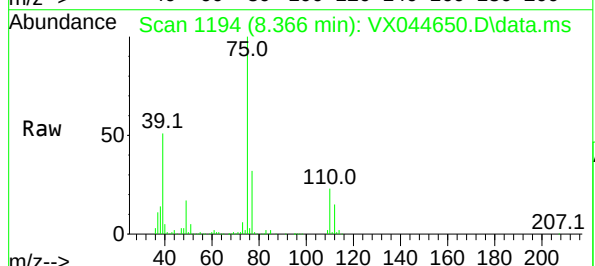
Tgt Ion: 75 Resp: 84851

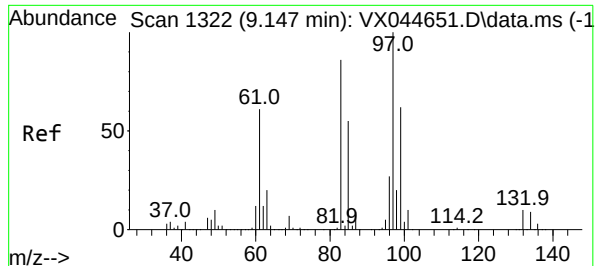
Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7

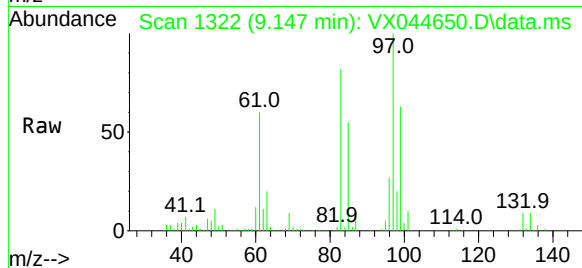
39 50.6 40.3 60.5





#55
1,1,2-Trichloroethane
Concen: 20.093 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

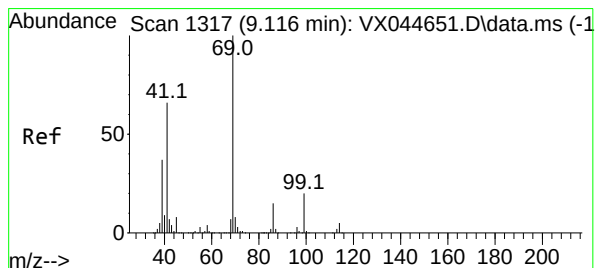
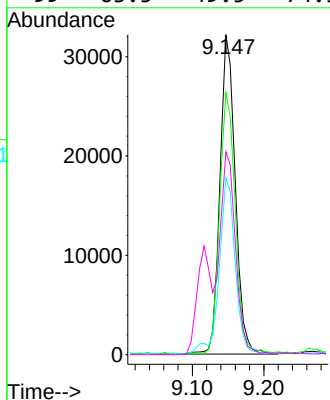
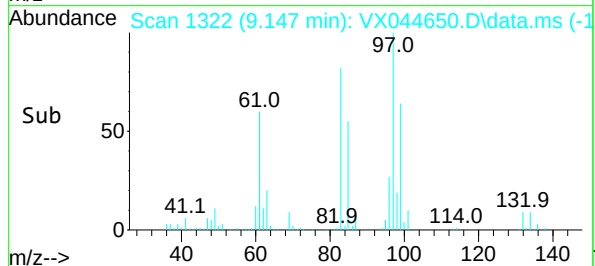
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 97 Resp: 47930
Ion Ratio Lower Upper
97 100
83 81.9 68.8 103.2
85 55.0 43.7 65.5
99 63.5 49.5 74.3

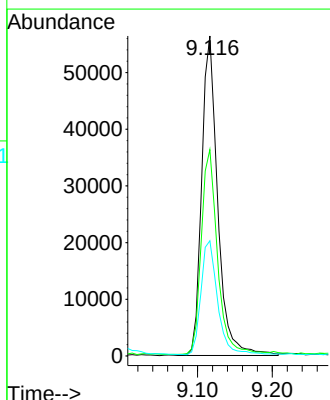
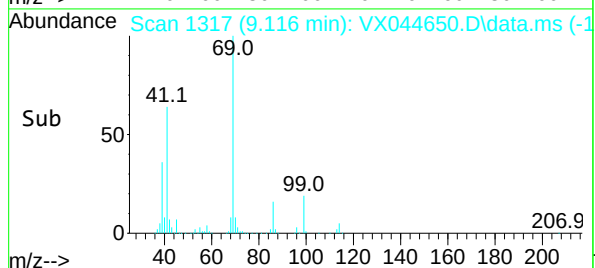
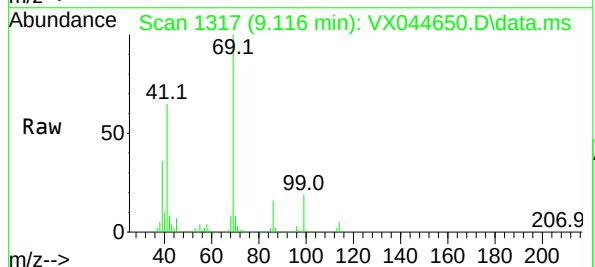
Manual Integrations
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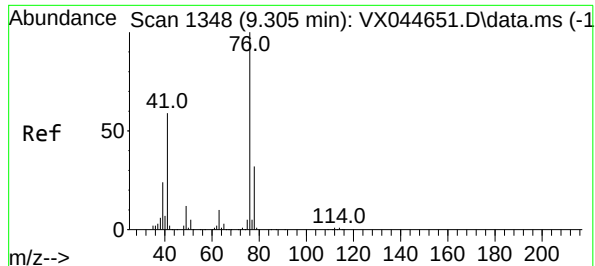
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#56
Ethyl methacrylate
Concen: 20.496 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 69 Resp: 84067
Ion Ratio Lower Upper
69 100
41 65.2 53.2 79.8
39 36.9 30.2 45.2





#57

1,3-Dichloropropane

Concen: 20.117 ug/l

RT: 9.305 min Scan# 11718

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 81718

Ion Ratio Lower Upper

76 100

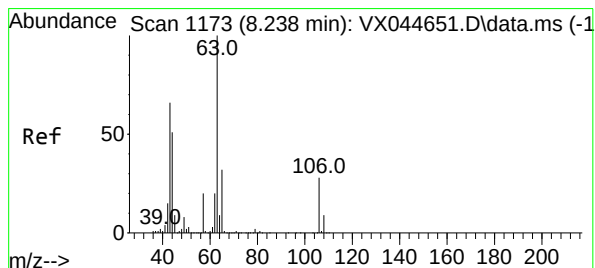
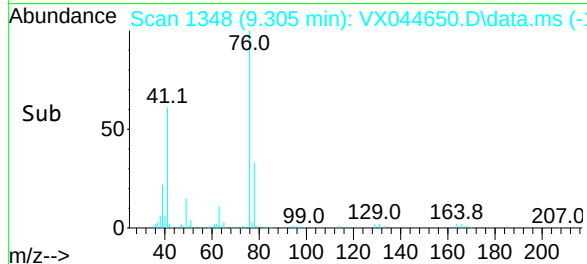
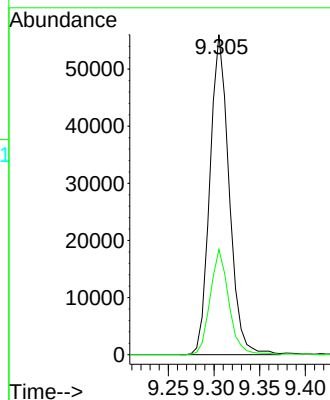
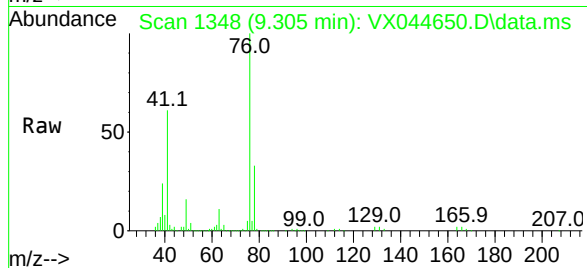
78 31.9 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#58

2-Chloroethyl Vinyl ether

Concen: 87.899 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044650.D

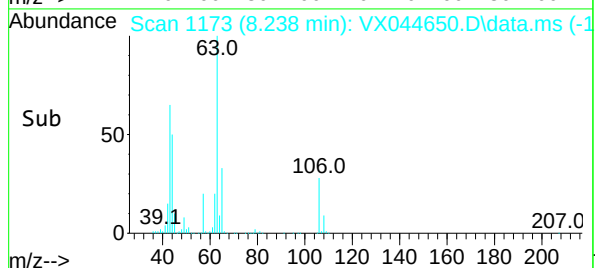
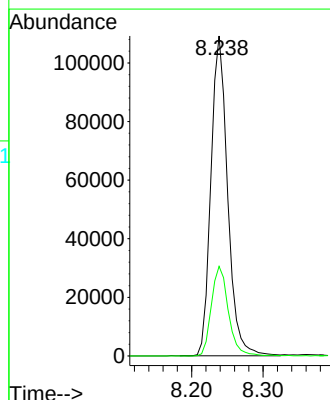
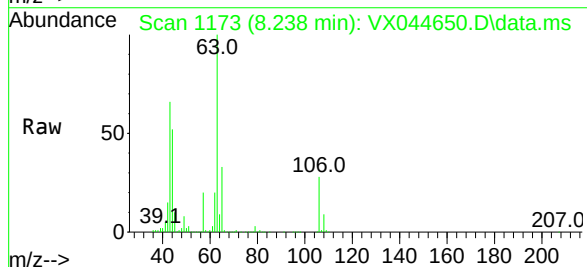
Acq: 15 Jan 2025 11:40

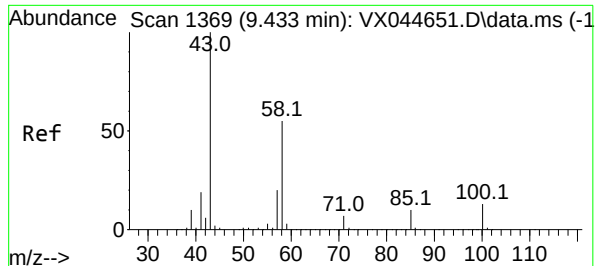
Tgt Ion: 63 Resp: 176999

Ion Ratio Lower Upper

63 100

106 28.4 23.0 34.6





#59

2-Hexanone

Concen: 101.288 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.006 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 250792

Ion Ratio Lower Upper

43

100

58

55.0

27.8

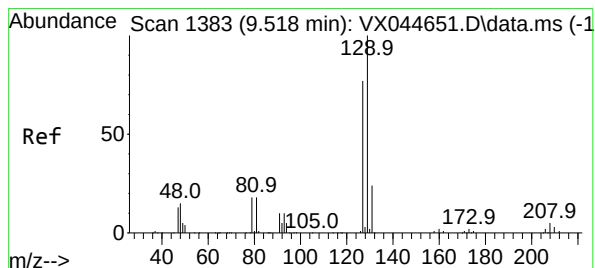
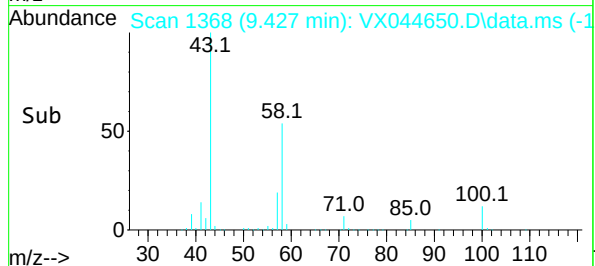
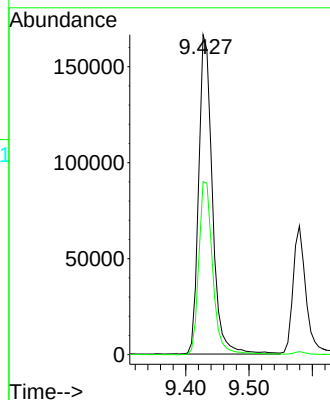
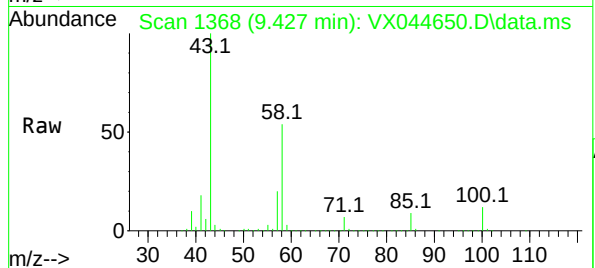
83.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#60

Dibromochloromethane

Concen: 20.015 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Tgt Ion:129 Resp: 56038

Ion Ratio Lower Upper

129

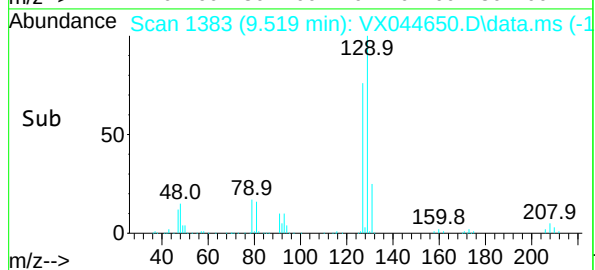
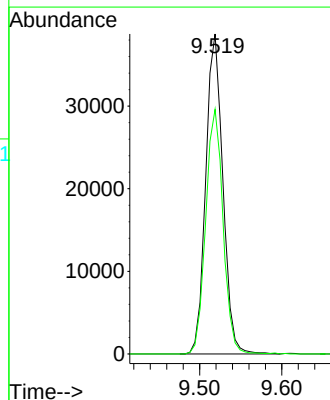
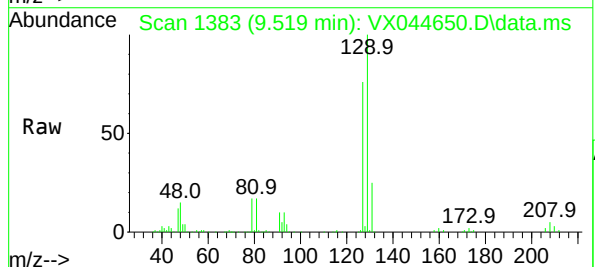
100

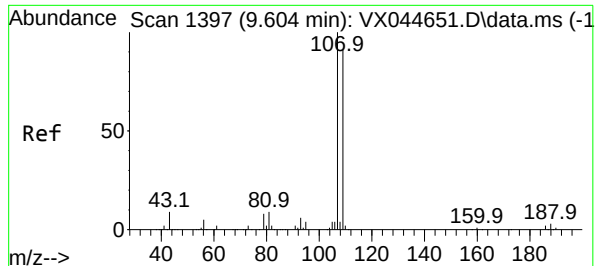
127

77.5

38.5

115.5





#61

1,2-Dibromoethane

Concen: 20.025 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:107 Resp: 50060

Ion Ratio Lower Upper

107 100

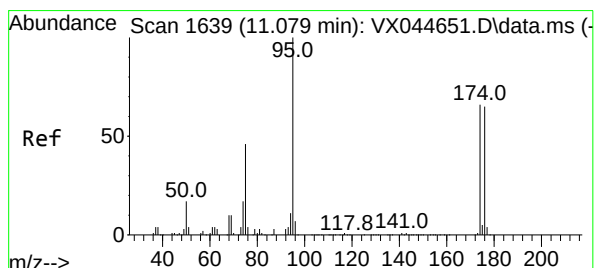
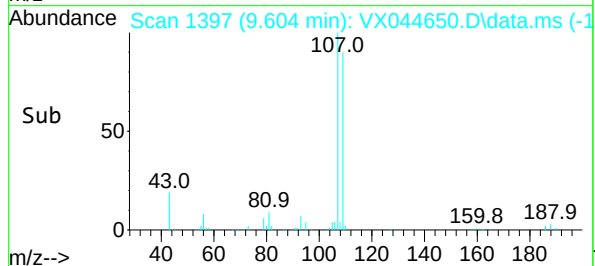
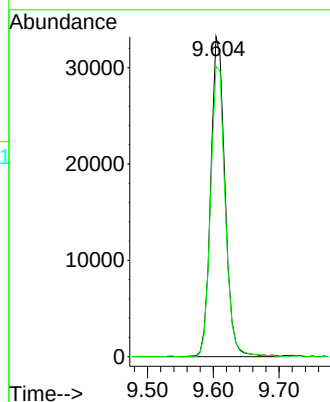
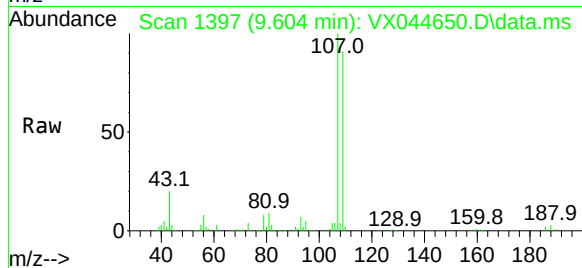
109 93.4 75.3 112.9

Manual Integrations

APPROVED

Reviewed By :John Carbone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#62

4-Bromofluorobenzene

Concen: 19.087 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

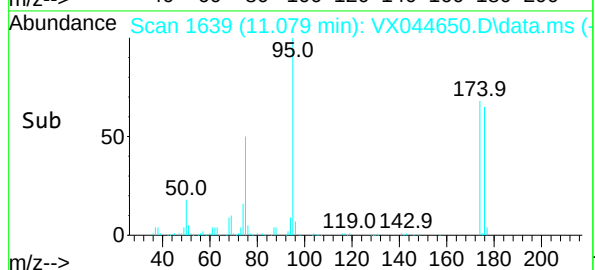
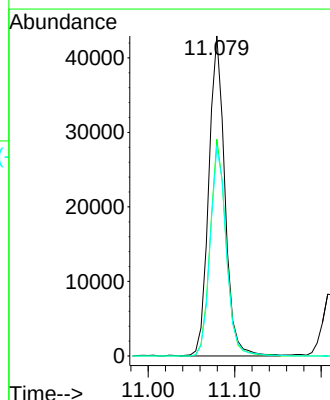
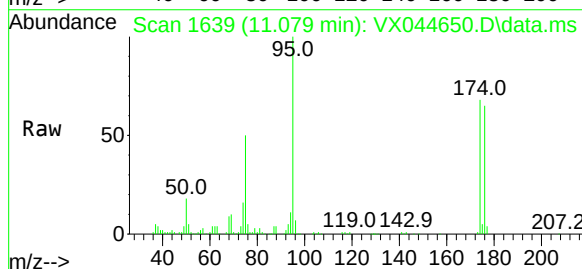
Tgt Ion: 95 Resp: 55407

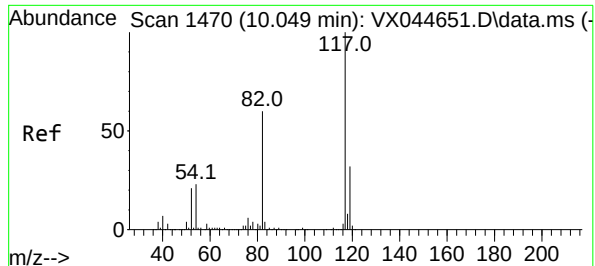
Ion Ratio Lower Upper

95 100

174 66.7 0.0 133.0

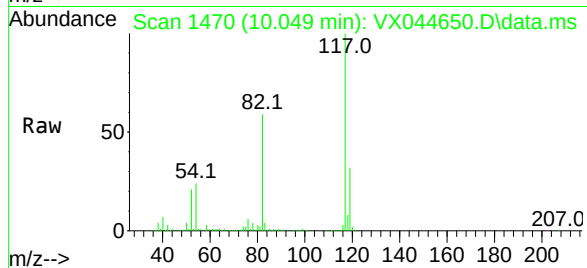
176 65.3 0.0 129.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

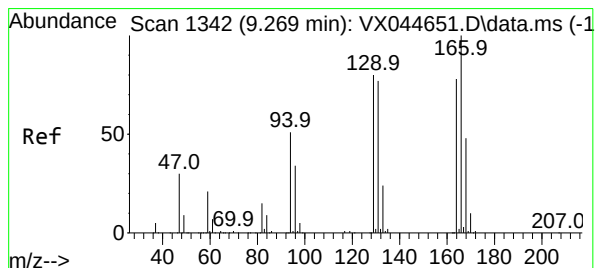
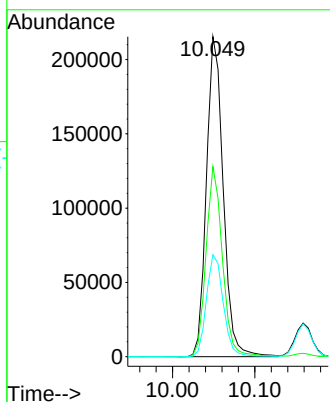
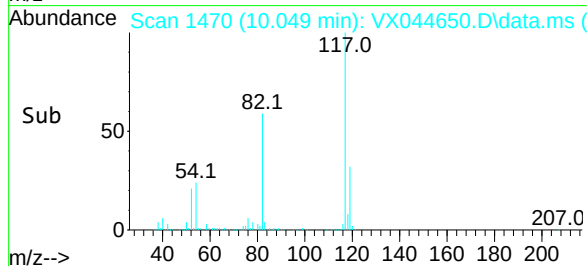
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion:117 Resp: 30542
Ion Ratio Lower Upper
117 100
82 59.4 47.6 71.4
119 31.9 25.4 38.2

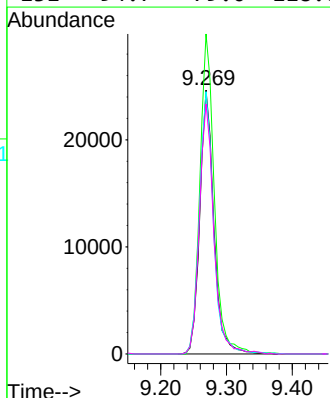
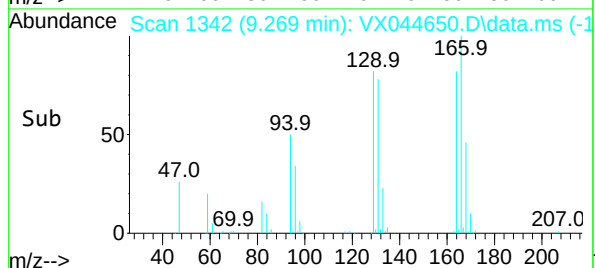
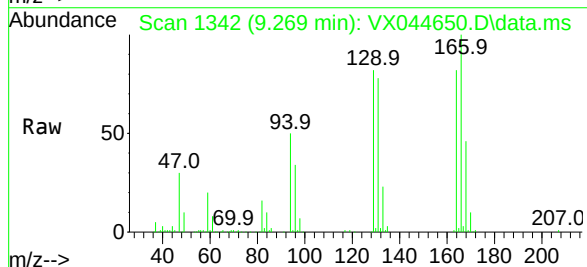
Manual Integrations
APPROVED

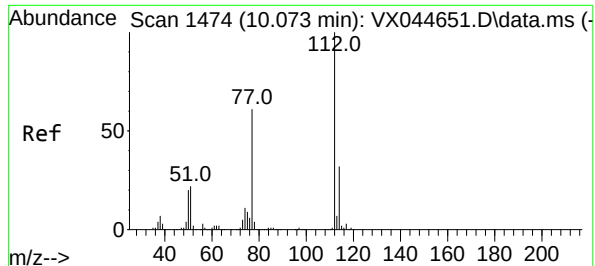
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#64
Tetrachloroethene
Concen: 19.066 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

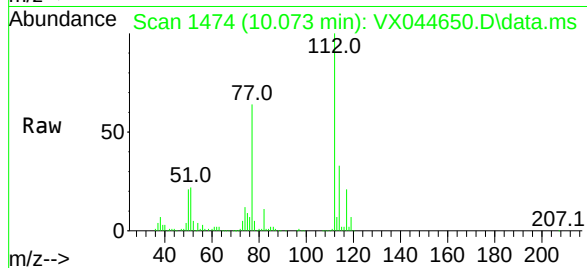
Tgt Ion:164 Resp: 36566
Ion Ratio Lower Upper
164 100
166 121.3 102.0 153.0
129 99.4 81.1 121.7
131 94.7 79.0 118.6





#65
Chlorobenzene
Concen: 19.506 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

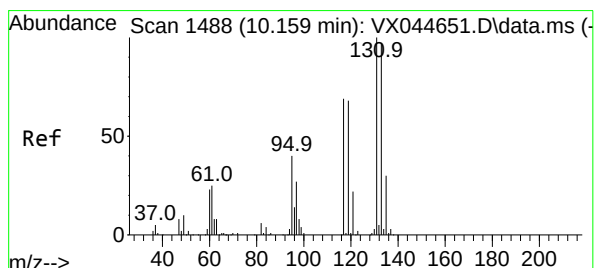
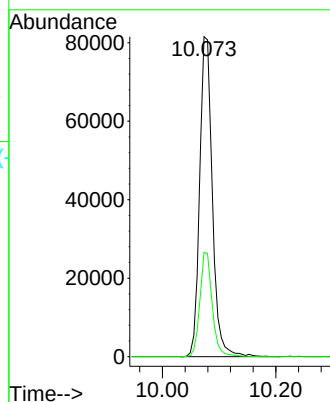
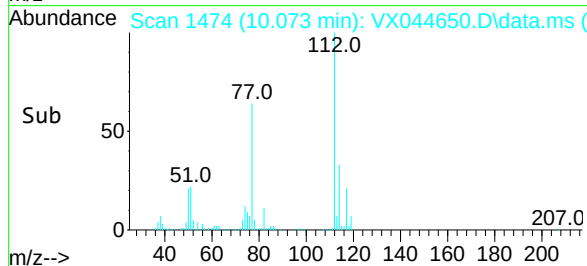
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion:112 Resp: 126540
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9

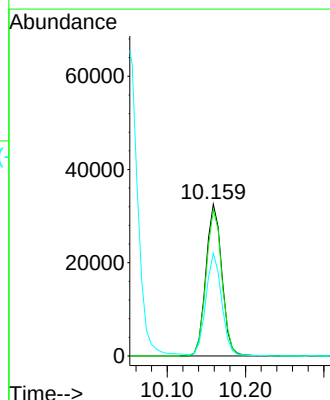
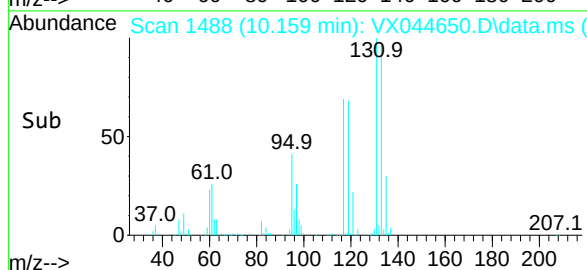
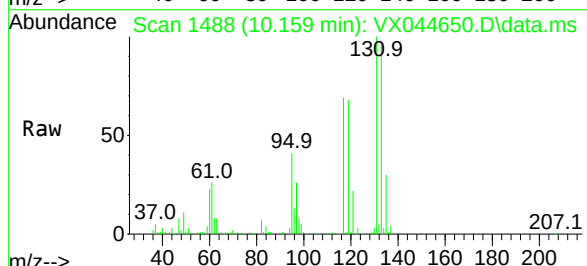
Manual Integrations
APPROVED

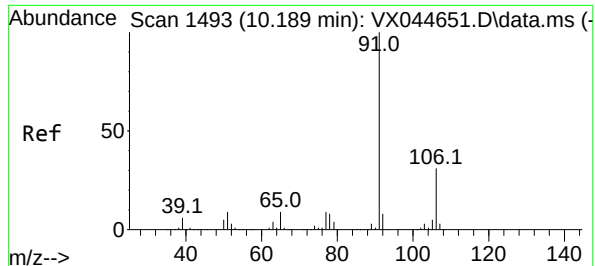
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.493 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

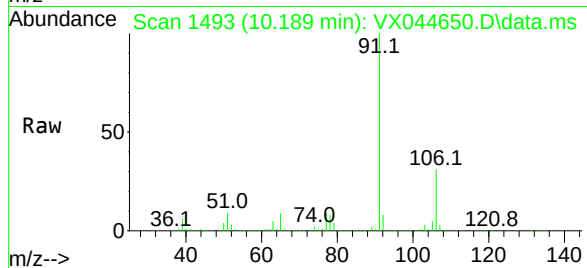
Tgt Ion:131 Resp: 45959
Ion Ratio Lower Upper
131 100
133 96.3 47.8 143.3
119 67.1 33.4 100.2





#67
Ethyl Benzene
Concen: 19.723 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

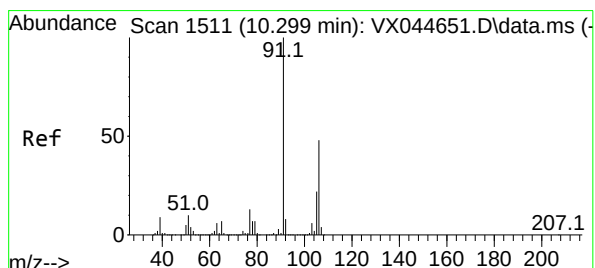
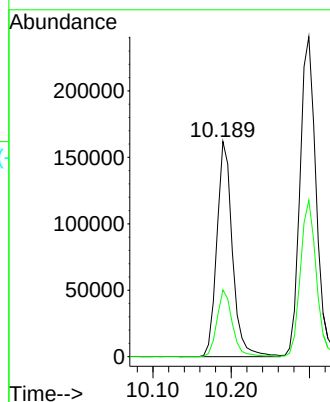
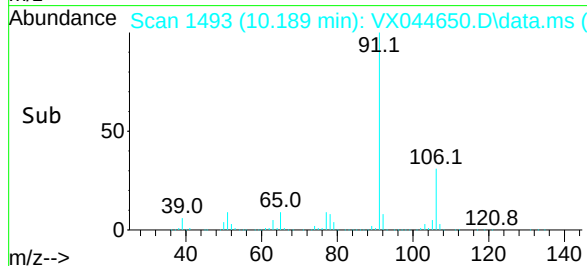
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 91 Resp: 223249
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6

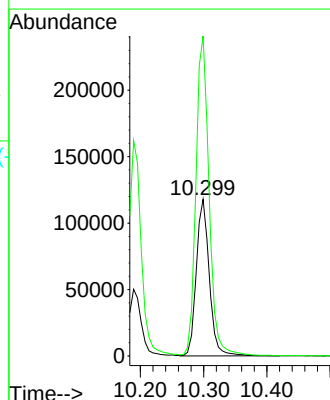
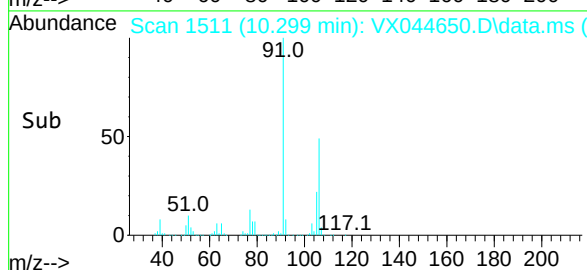
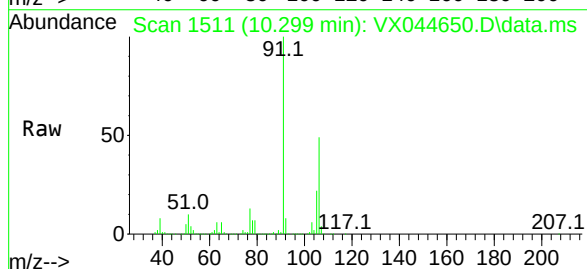
Manual Integrations
APPROVED

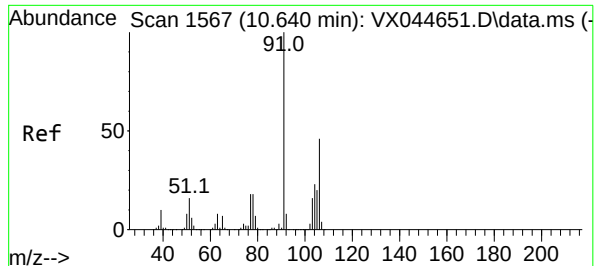
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#68
m/p-Xylenes
Concen: 39.921 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:106 Resp: 167689
Ion Ratio Lower Upper
106 100
91 207.5 166.4 249.6





#69

o-Xylene

Concen: 19.840 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:106 Resp: 84280

Ion Ratio Lower Upper

106 100

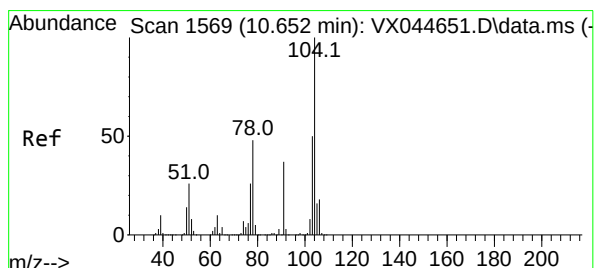
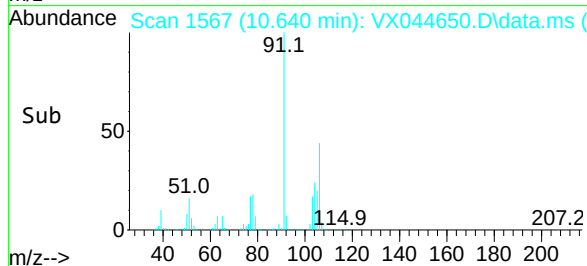
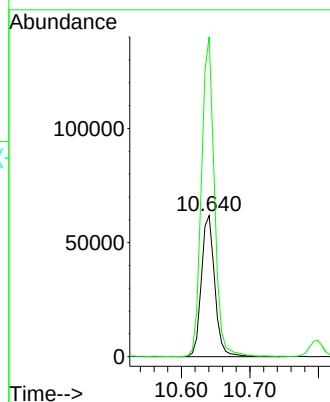
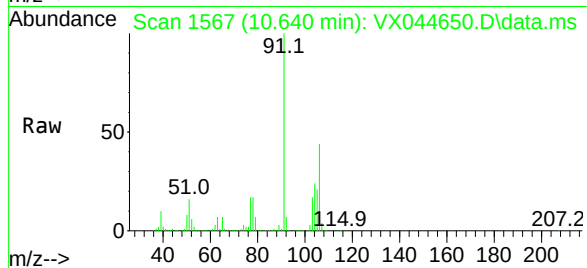
91 219.4 108.7 326.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#70

Styrene

Concen: 20.189 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

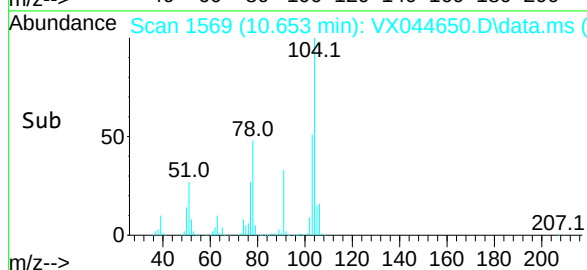
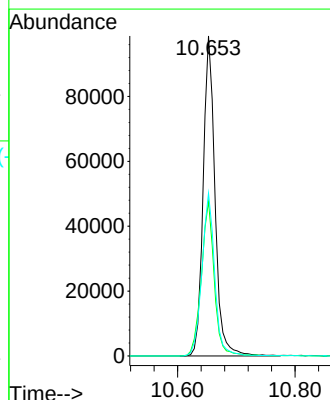
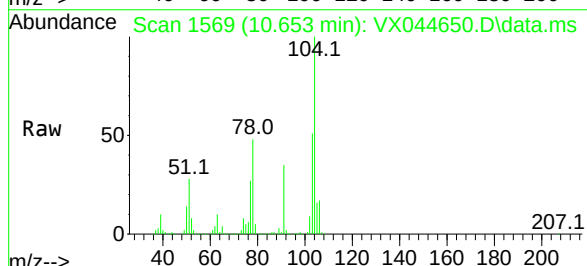
Tgt Ion:104 Resp: 138465

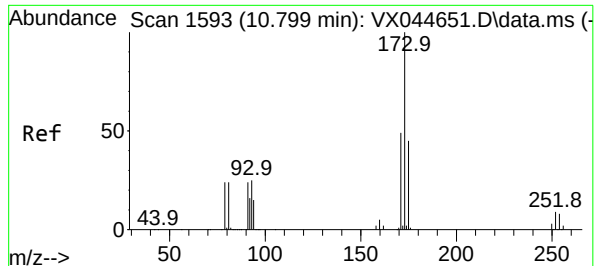
Ion Ratio Lower Upper

104 100

78 52.7 43.0 64.6

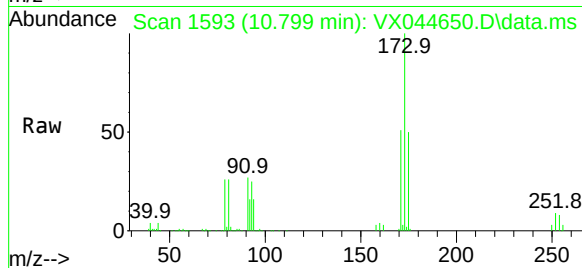
103 55.0 43.4 65.2





#71
Bromoform
Concen: 19.198 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

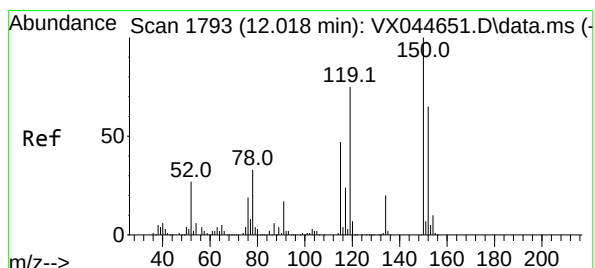
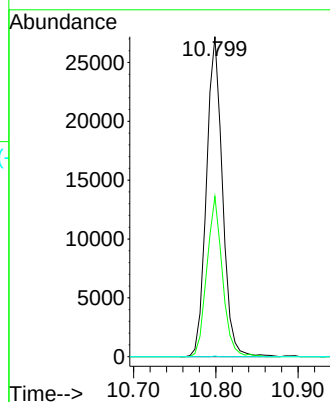
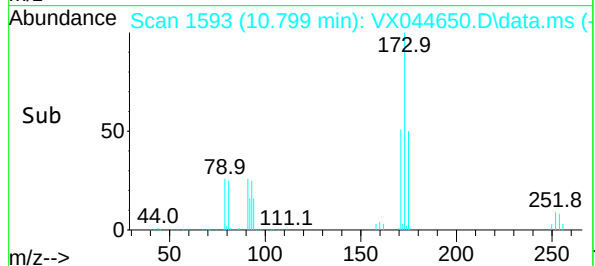
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:173 Resp: 36839
Ion Ratio Lower Upper
173 100
175 48.8 23.6 70.8
254 0.1 0.1 0.1

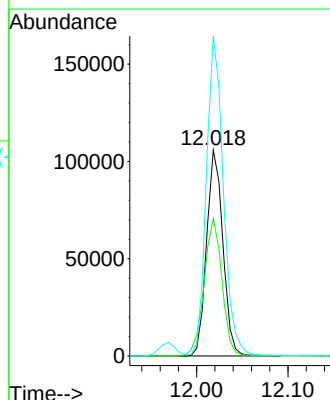
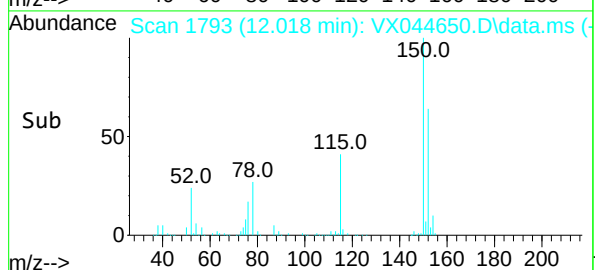
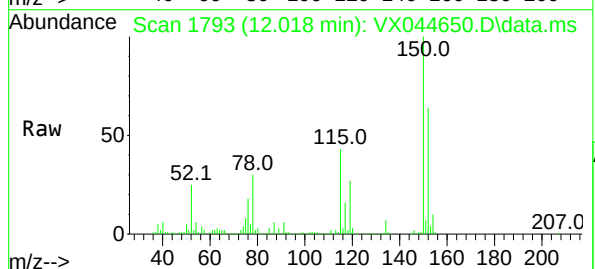
Manual Integrations
APPROVED

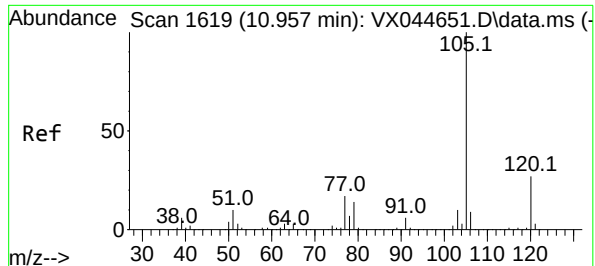
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:152 Resp: 130861
Ion Ratio Lower Upper
152 100
115 73.2 43.8 131.4
150 161.8 0.0 347.8





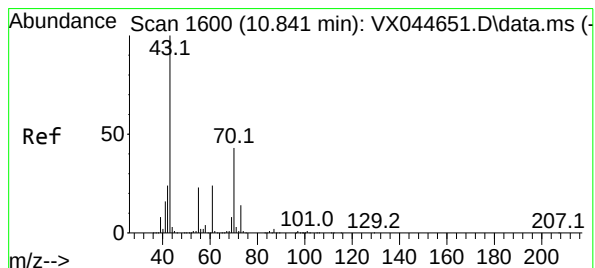
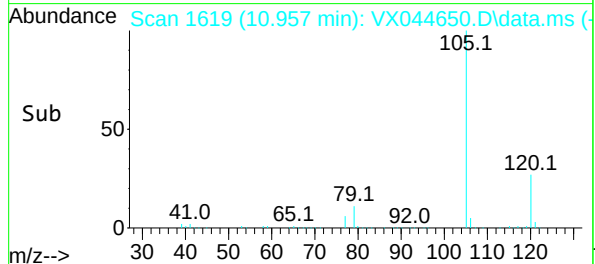
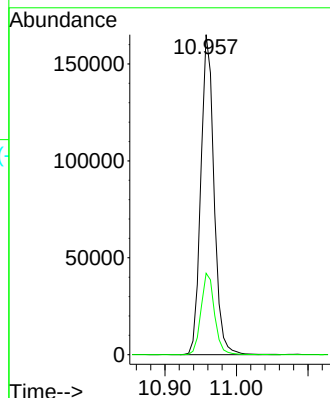
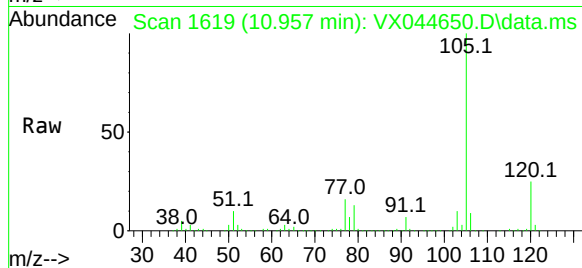
#73
Isopropylbenzene
Concen: 19.797 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 21163
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.6

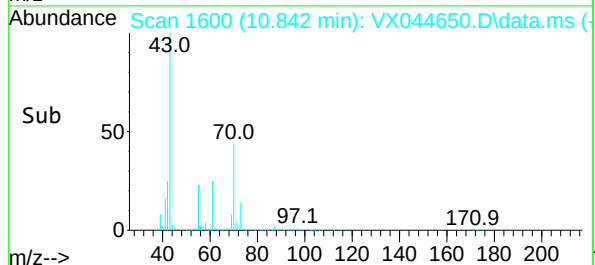
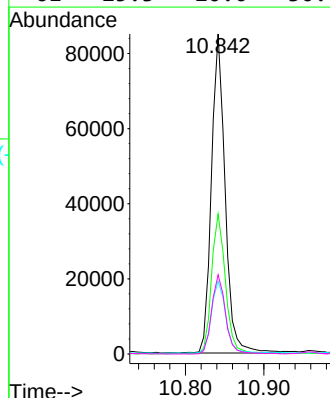
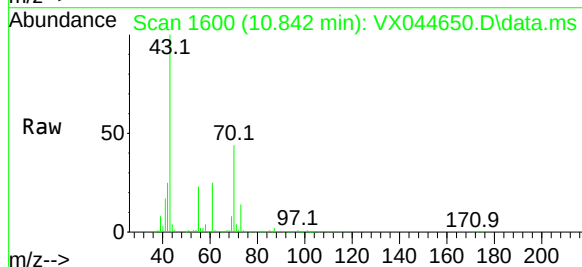
Manual Integrations
APPROVED

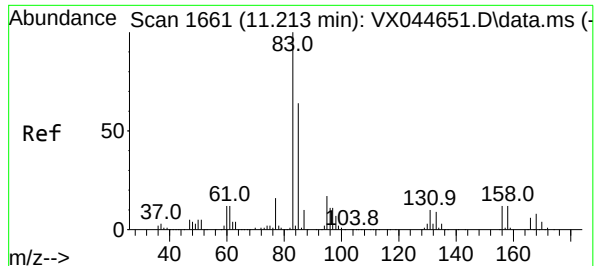
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#74
N-ethyl acetate
Concen: 19.555 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 43 Resp: 103040
Ion Ratio Lower Upper
43 100
70 44.6 35.2 52.8
55 23.6 19.0 28.4
61 25.3 20.0 30.0





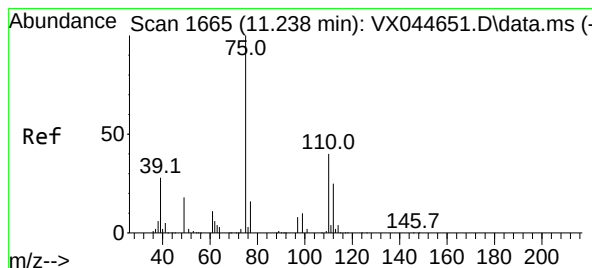
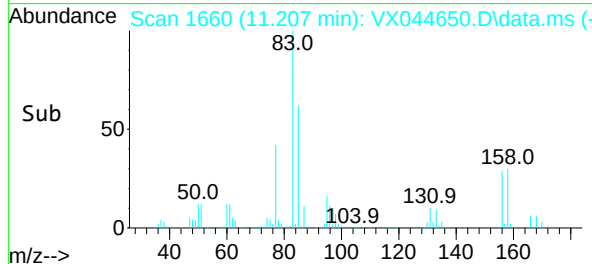
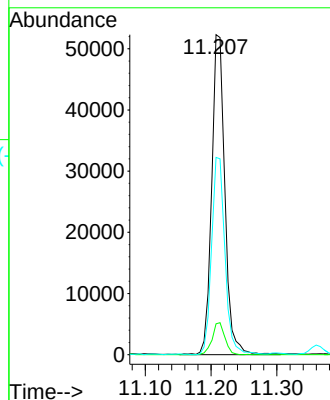
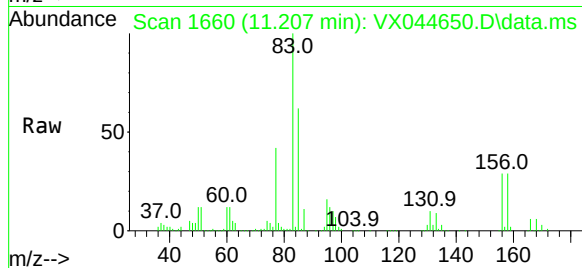
#75
1,1,2,2-Tetrachloroethane
Concen: 19.823 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 73190
Ion Ratio Lower Upper
83 100
131 9.6 5.0 14.9
85 62.5 32.0 96.2

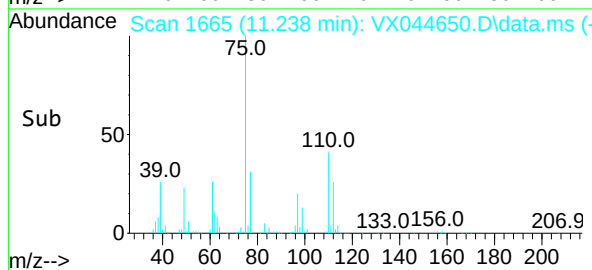
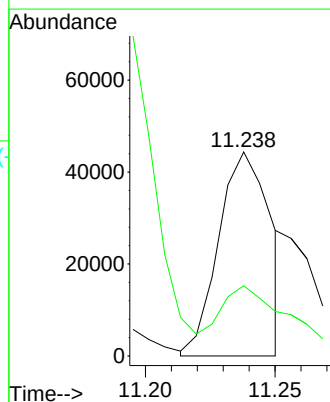
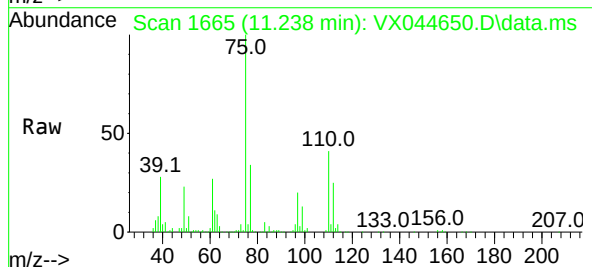
Manual Integrations
APPROVED

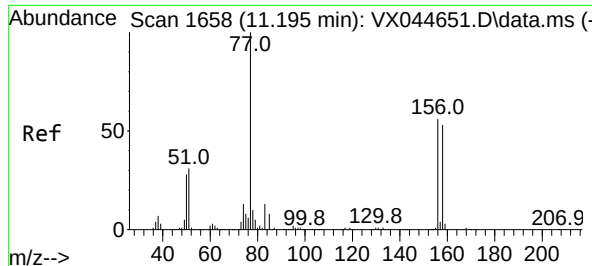
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#76
1,2,3-Trichloropropane
Concen: 19.870 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

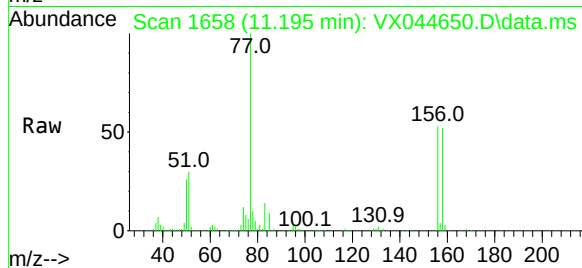
Tgt Ion: 75 Resp: 61409
Ion Ratio Lower Upper
75 100
77 46.7 23.4 70.2





#77
Bromobenzene
Concen: 19.432 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

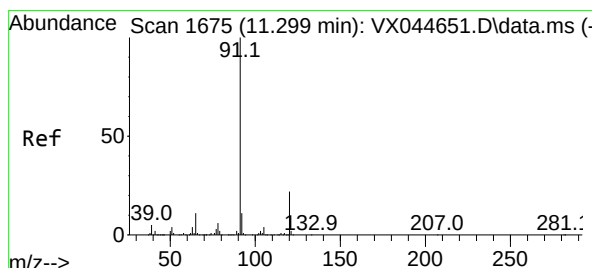
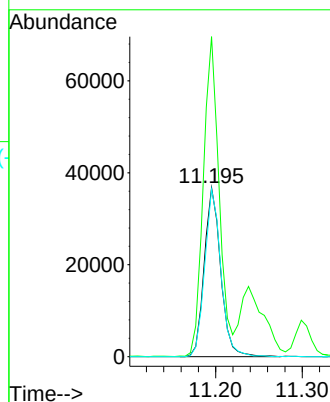
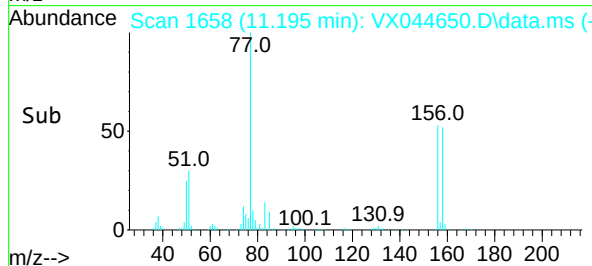
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 156 Resp: 4855
Ion Ratio Lower Upper
156 100
77 181.1 90.3 271.0
158 97.5 48.4 145.3

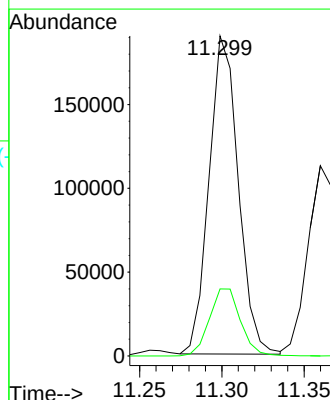
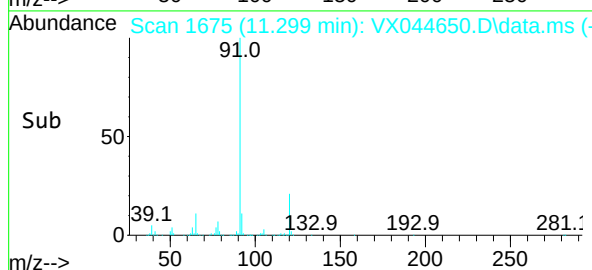
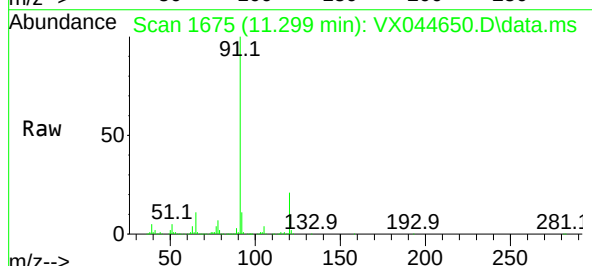
Manual Integrations
APPROVED

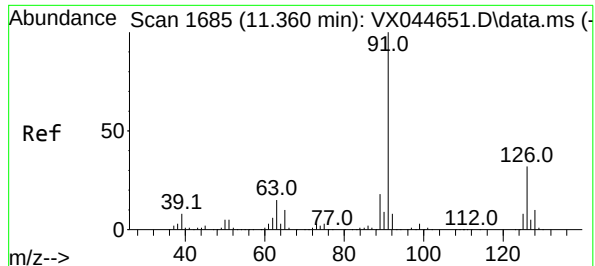
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#78
n-propylbenzene
Concen: 19.896 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 91 Resp: 234567
Ion Ratio Lower Upper
91 100
120 22.5 11.4 34.1





#79

2-Chlorotoluene

Concen: 19.655 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 149688

Ion Ratio Lower Upper

91 100

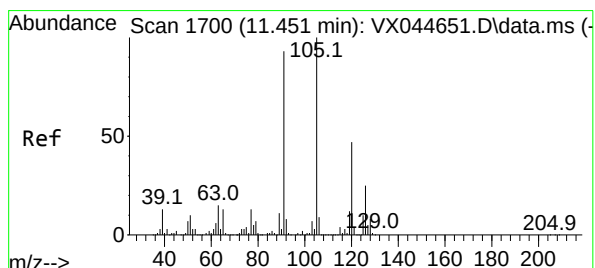
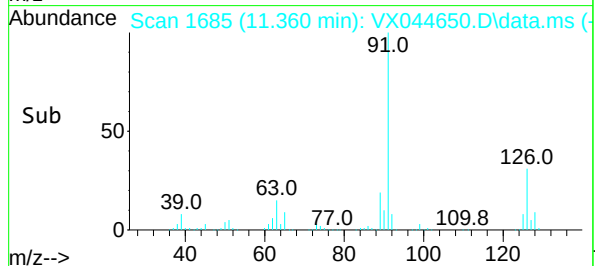
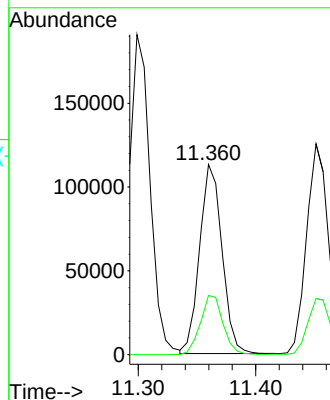
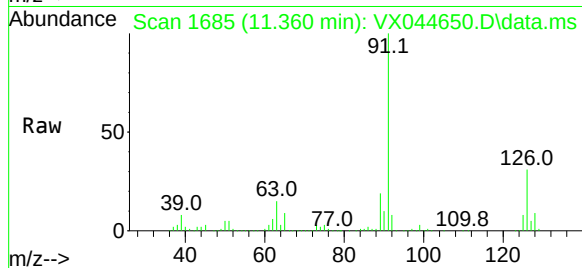
126 31.8 16.2 48.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.919 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044650.D

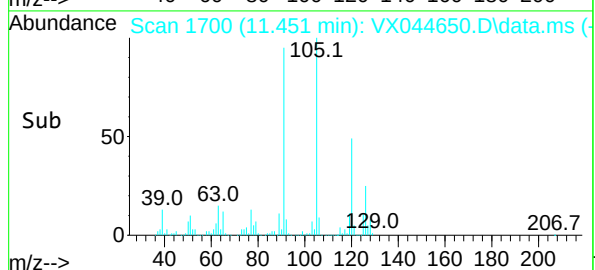
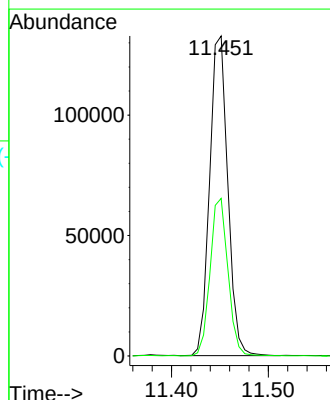
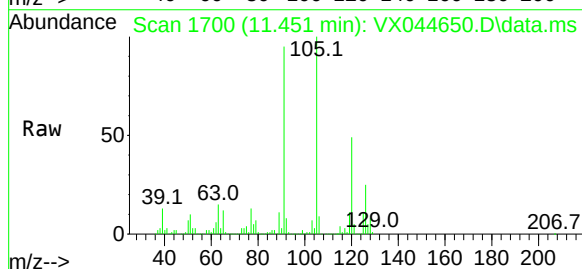
Acq: 15 Jan 2025 11:40

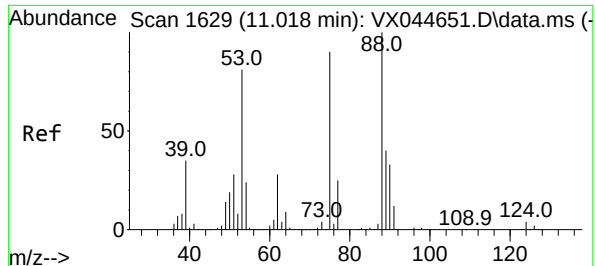
Tgt Ion:105 Resp: 173348

Ion Ratio Lower Upper

105 100

120 48.5 23.7 71.1





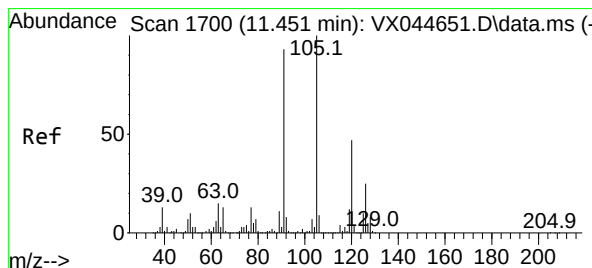
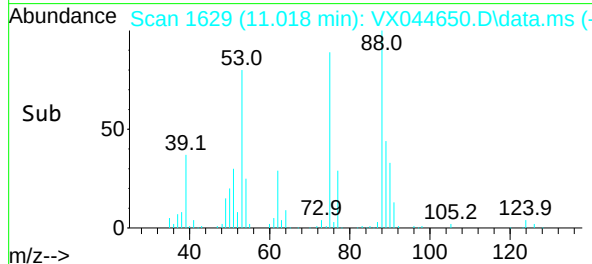
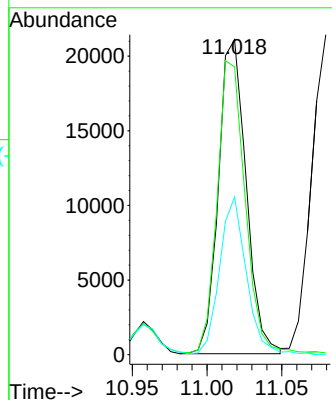
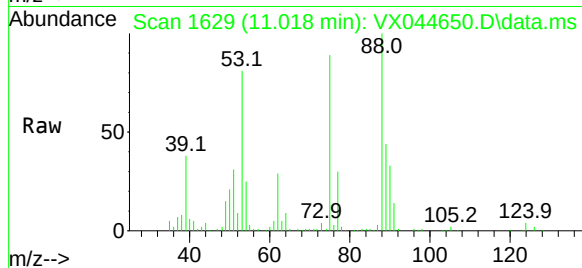
#81
trans-1,4-Dichloro-2-butene
Concen: 19.486 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 2706
Ion Ratio Lower Upper
75 100
53 93.5 74.3 111.5
89 48.8 37.4 56.0

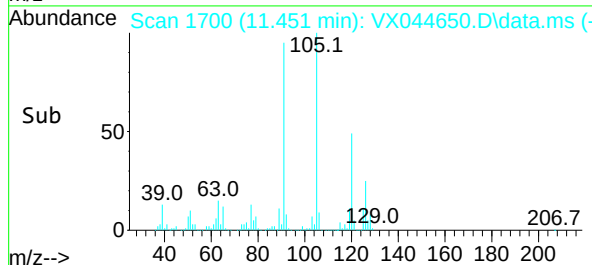
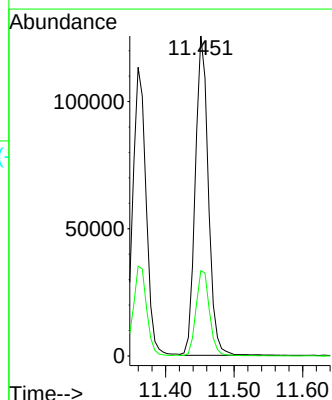
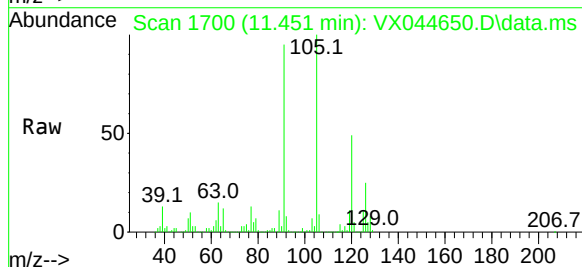
Manual Integrations
APPROVED

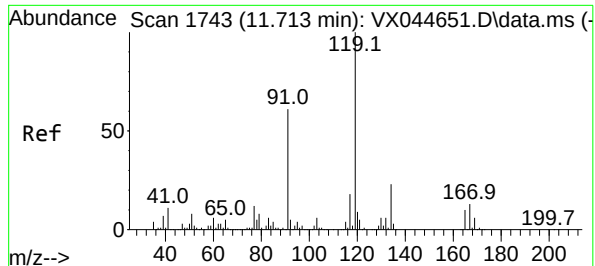
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#82
4-Chlorotoluene
Concen: 19.968 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

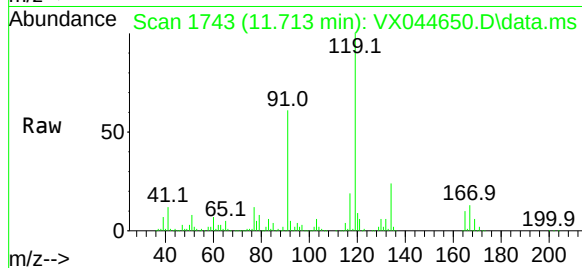
Tgt Ion: 91 Resp: 166586
Ion Ratio Lower Upper
91 100
126 27.8 13.9 41.7





#83
tert-Butylbenzene
Concen: 19.617 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

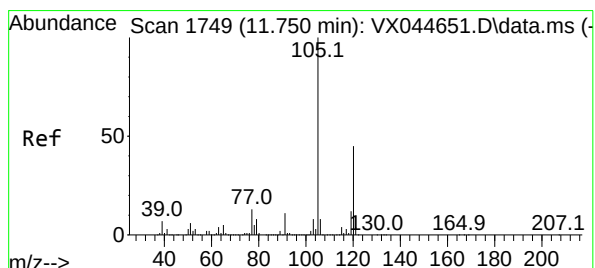
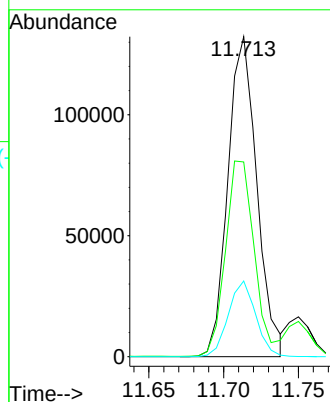
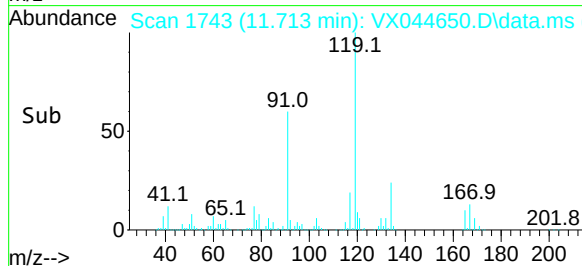
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



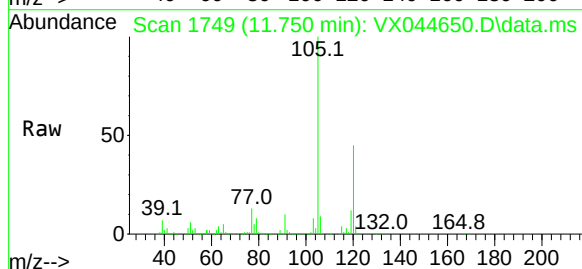
Tgt Ion:119 Resp: 178504
Ion Ratio Lower Upper
119 100
91 59.8 30.0 90.0
134 22.3 11.2 33.5

Manual Integrations
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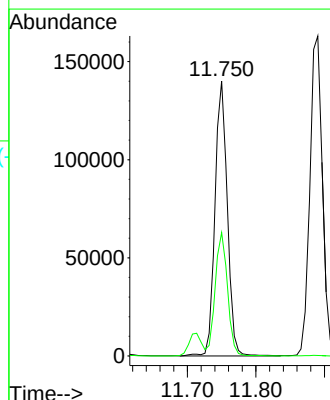
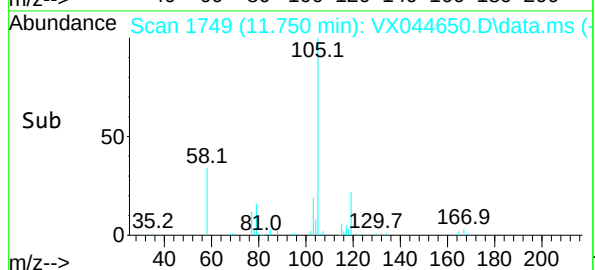
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

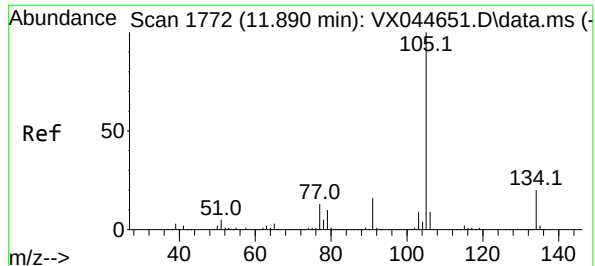


#84
1,2,4-Trimethylbenzene
Concen: 19.807 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40



Tgt Ion:105 Resp: 175164
Ion Ratio Lower Upper
105 100
120 44.9 22.2 66.6





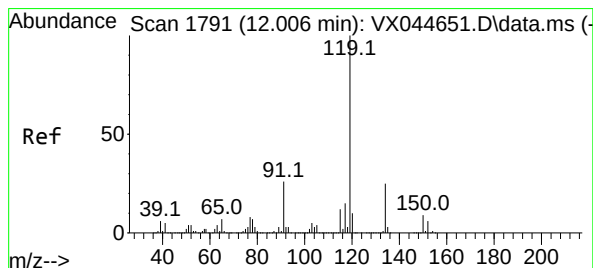
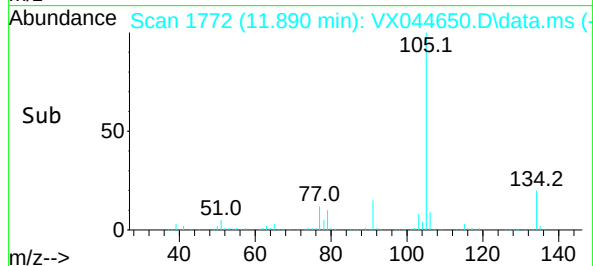
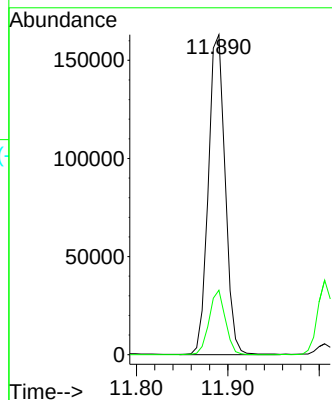
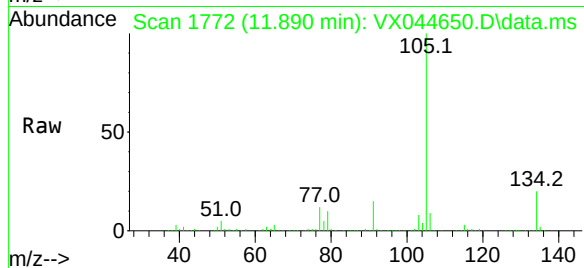
#85
sec-Butylbenzene
Concen: 19.649 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 208180
Ion Ratio Lower Upper
105 100
134 19.5 9.8 29.5

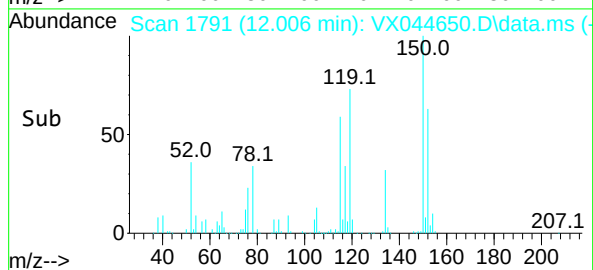
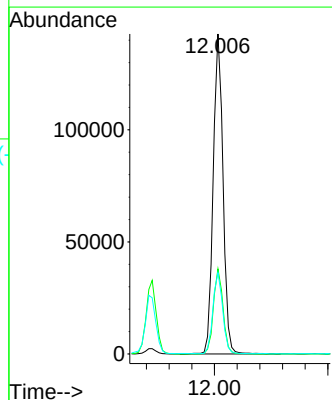
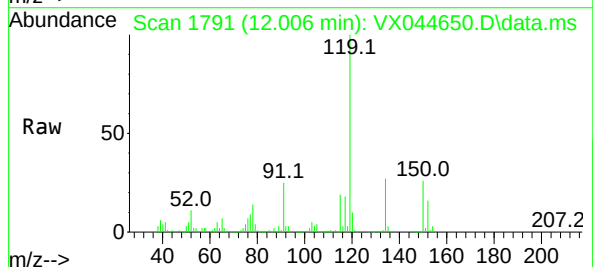
Manual Integrations
APPROVED

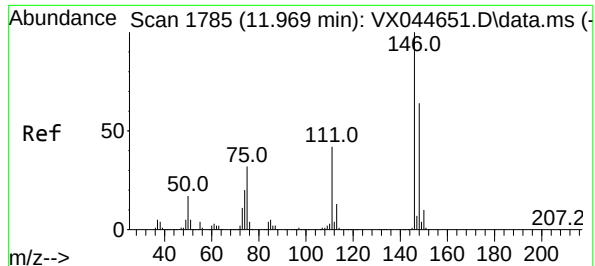
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#86
p-Isopropyltoluene
Concen: 19.697 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:119 Resp: 171507
Ion Ratio Lower Upper
119 100
134 26.0 12.8 38.4
91 25.0 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 19.560 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:146 Resp: 84759

Ion Ratio Lower Upper

146 100

111 43.7 21.9 65.7

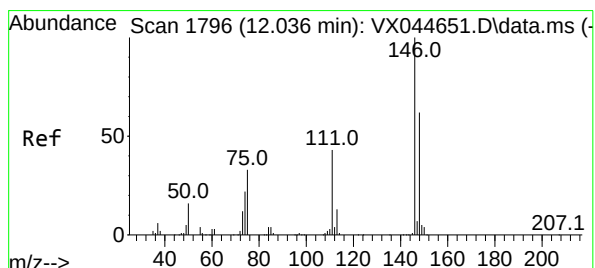
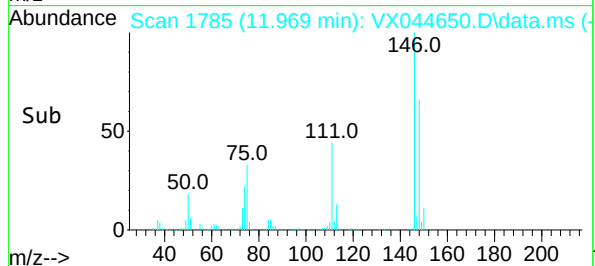
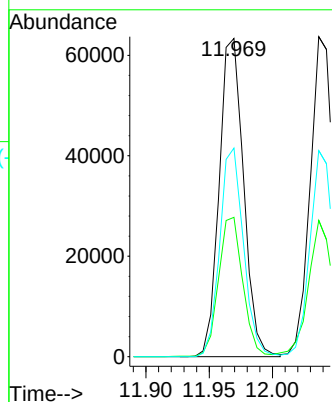
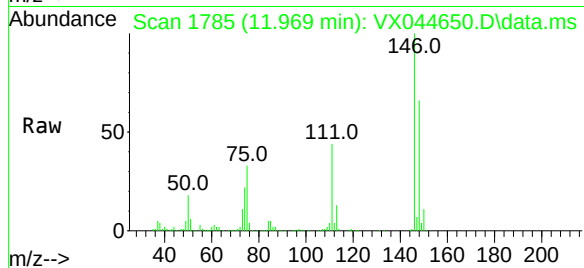
148 63.9 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#88

1,4-Dichlorobenzene

Concen: 19.536 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

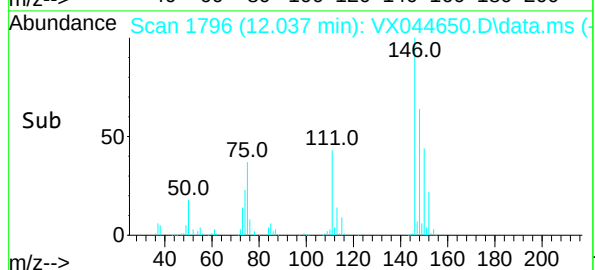
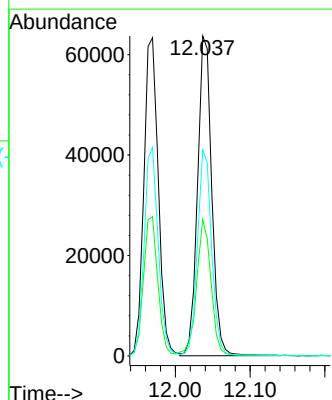
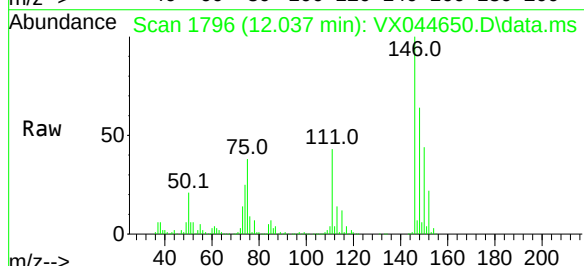
Tgt Ion:146 Resp: 84055

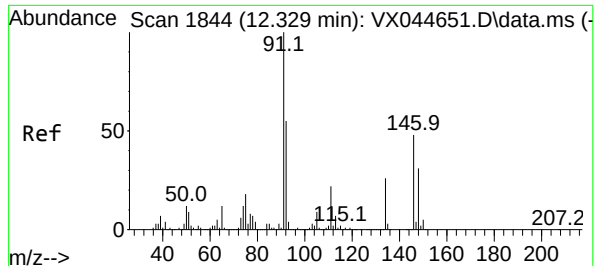
Ion Ratio Lower Upper

146 100

111 42.8 21.5 64.5

148 64.1 32.1 96.5





#89

n-Butylbenzene

Concen: 19.391 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 14501

Ion Ratio Lower Upper

91 100

92 54.4 27.4 82.0

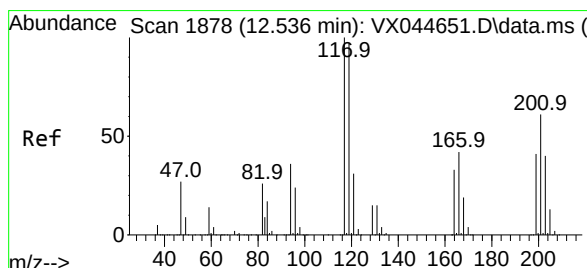
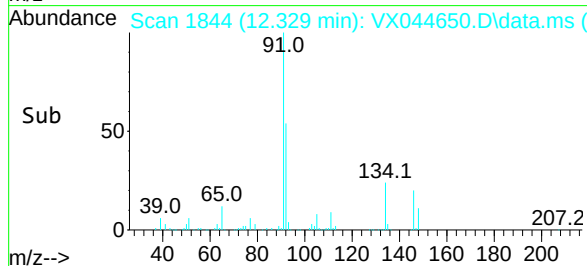
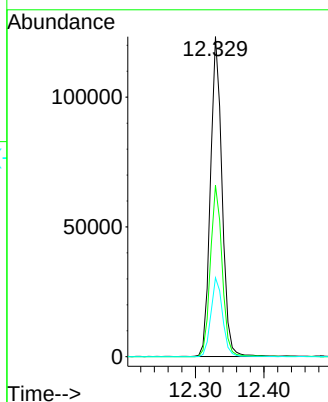
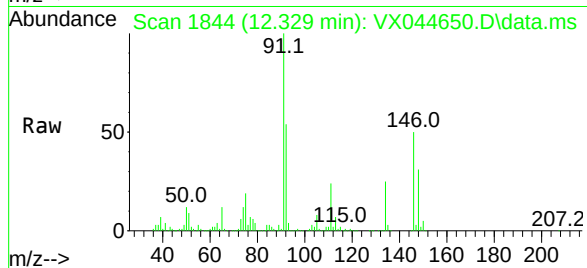
134 25.0 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#90

Hexachloroethane

Concen: 18.693 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044650.D

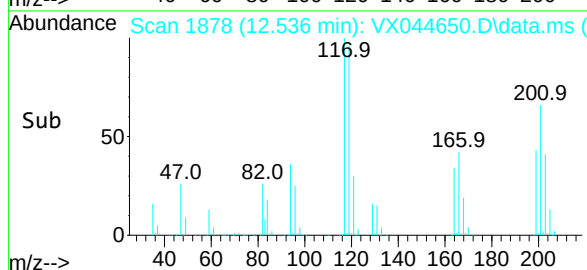
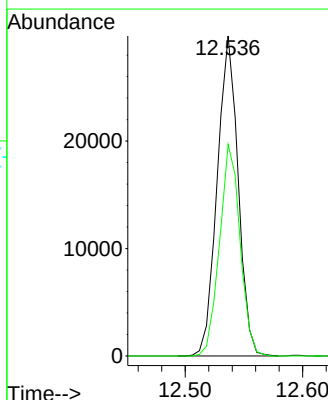
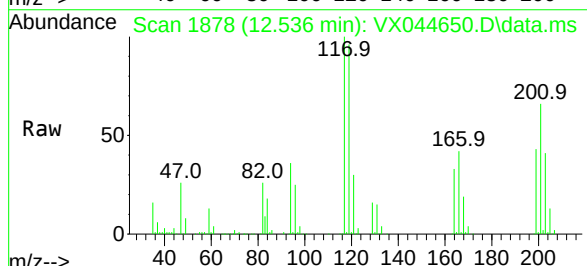
Acq: 15 Jan 2025 11:40

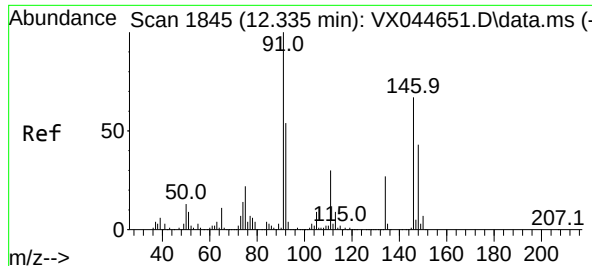
Tgt Ion:117 Resp: 36858

Ion Ratio Lower Upper

117 100

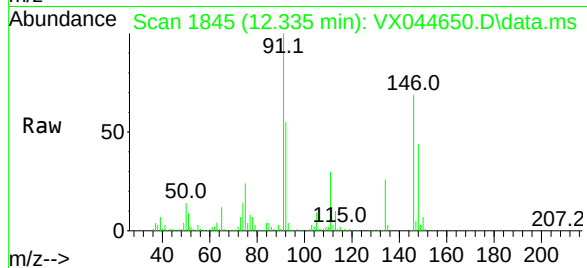
201 64.9 32.3 96.8





#91
1,2-Dichlorobenzene
Concen: 19.582 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

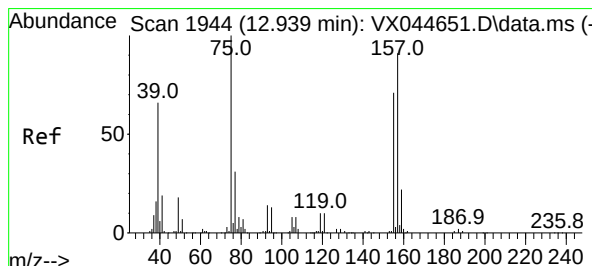
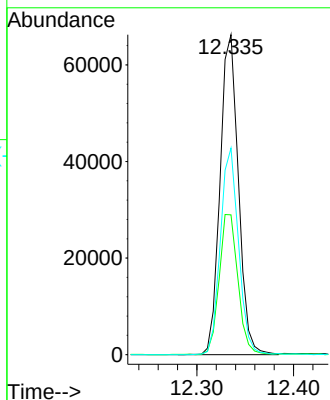
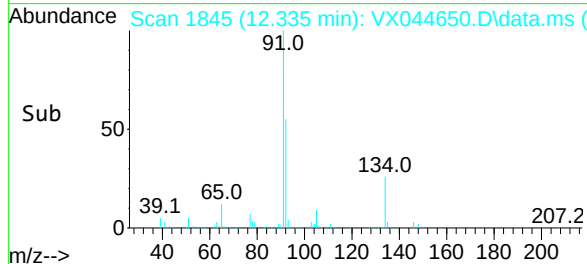
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



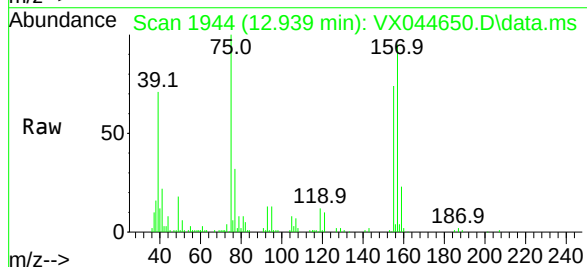
Tgt Ion:146 Resp: 8714
Ion Ratio Lower Upper
146 100
111 45.1 22.4 67.2
148 64.1 31.6 94.8

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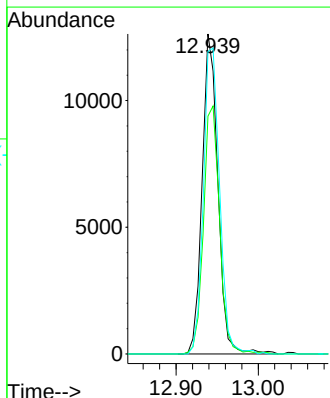
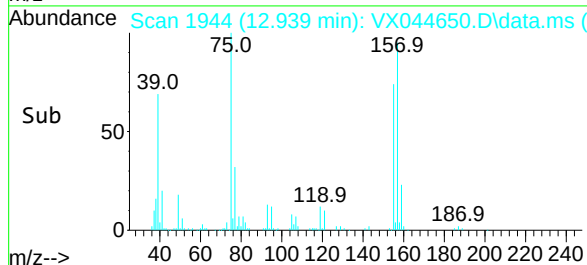
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

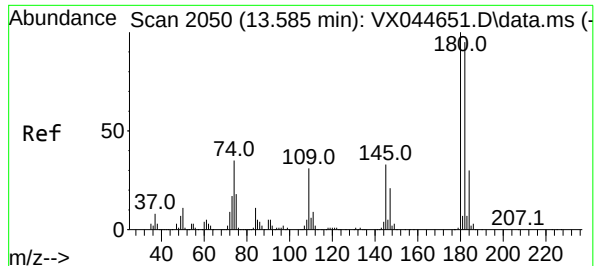


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.572 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40



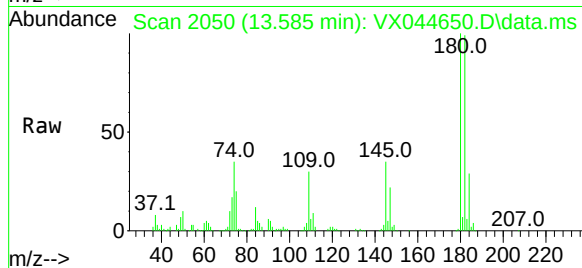
Tgt Ion: 75 Resp: 16770
Ion Ratio Lower Upper
75 100
155 79.6 39.0 116.9
157 99.0 49.9 149.7





#93
1,2,4-Trichlorobenzene
Concen: 18.595 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

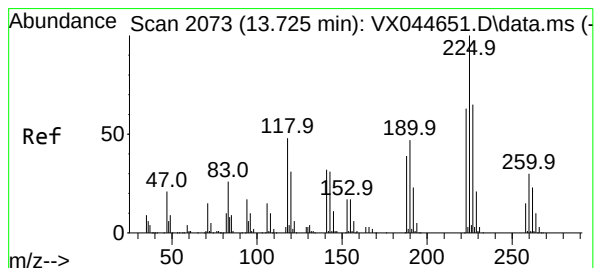
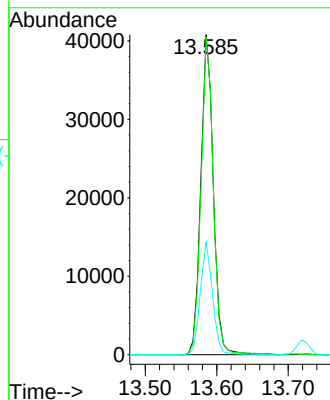
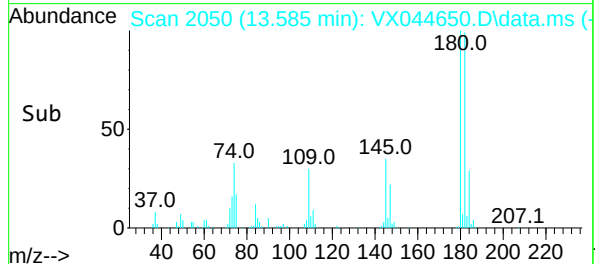
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:180 Resp: 4947
Ion Ratio Lower Upper
180 100
182 97.1 47.4 142.2
145 34.5 16.7 50.1

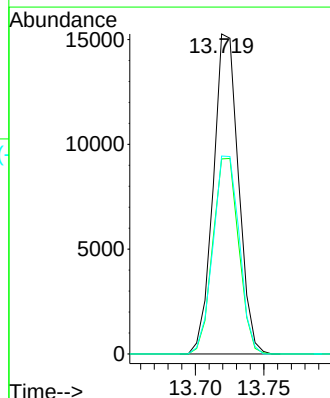
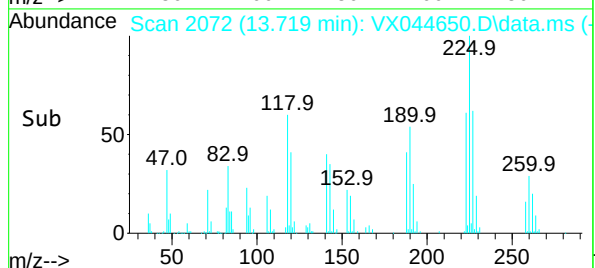
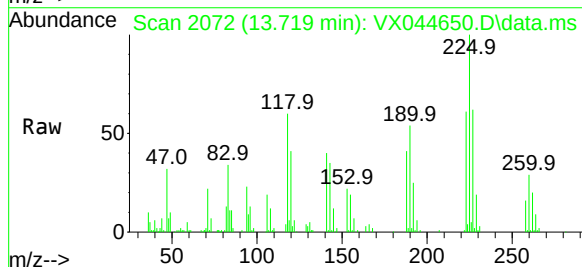
Manual Integrations
APPROVED

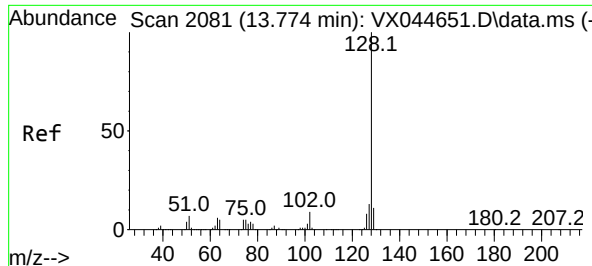
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#94
Hexachlorobutadiene
Concen: 18.672 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

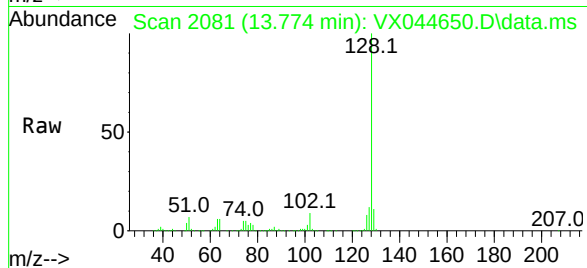
Tgt Ion:225 Resp: 19513
Ion Ratio Lower Upper
225 100
223 62.8 31.9 95.7
227 64.4 31.8 95.4





#95
Naphthalene
Concen: 19.372 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

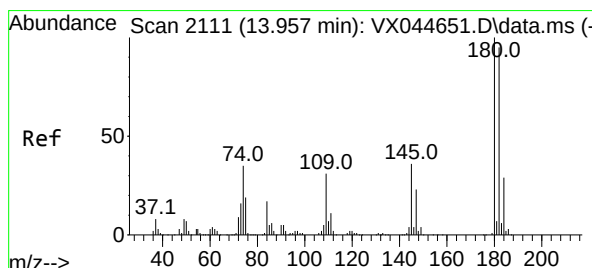
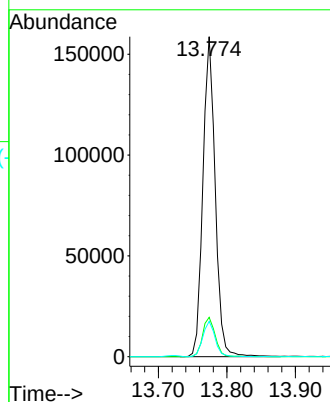
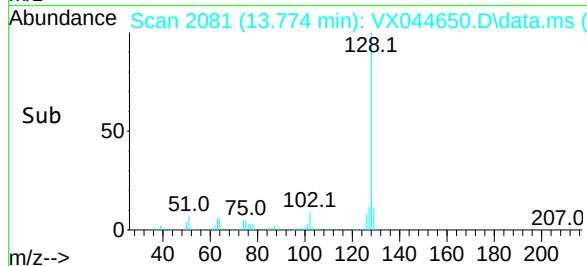
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:128 Resp: 198769
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 11.1 8.7 13.1

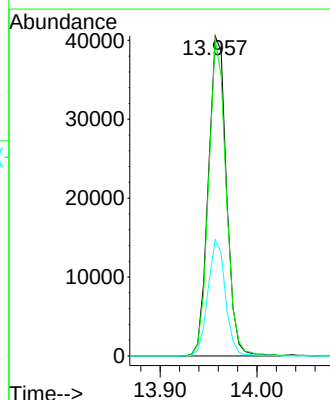
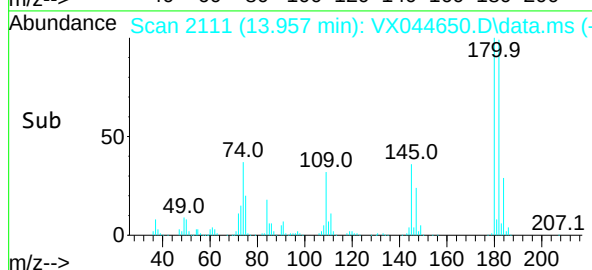
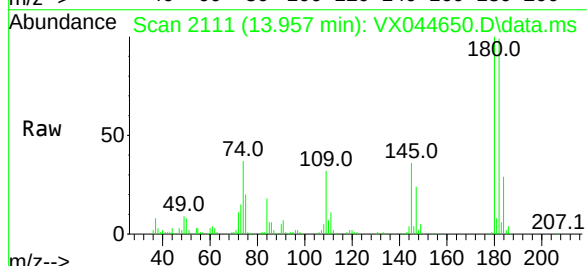
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.093 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:180 Resp: 52651
Ion Ratio Lower Upper
180 100
182 95.9 47.2 141.6
145 35.2 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044651.D
 Acq On : 15 Jan 2025 12:02
 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 01/15/2025
 Supervised By : Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:00:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 00:57:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	191095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	351701	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	301141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	127832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	142316	49.339	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.680%		
35) Dibromofluoromethane	5.379	113	111739	50.011	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.020%		
50) Toluene-d8	8.647	98	390660	50.145	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.300%		
62) 4-Bromofluorobenzene	11.079	95	148223	51.037	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	129814	50.482	ug/l	100
3) Chloromethane	1.300	50	135661	48.786	ug/l	100
4) Vinyl Chloride	1.374	62	134180	48.836	ug/l	100
5) Bromomethane	1.593	94	32585	49.668	ug/l	100
6) Chloroethane	1.660	64	22356	44.371	ug/l	100
7) Trichlorofluoromethane	1.867	101	146280	48.172	ug/l	100
8) Diethyl Ether	2.136	74	55843	45.569	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	105786	46.343	ug/l	100
10) Methyl Iodide	2.440	142	154347	49.525	ug/l	100
11) Tert butyl alcohol	2.983	59	144614m	222.325	ug/l	
12) 1,1-Dichloroethene	2.306	96	108167	48.342	ug/l	100
13) Acrolein	2.239	56	64703	213.821	ug/l	100
14) Allyl chloride	2.654	41	200446	46.011	ug/l	100
15) Acrylonitrile	3.062	53	298629	236.777	ug/l	100
16) Acetone	2.386	43	255513	223.898	ug/l	100
17) Carbon Disulfide	2.501	76	295098	48.333	ug/l	100
18) Methyl Acetate	2.703	43	168213	47.777	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	388306	47.913	ug/l	100
20) Methylene Chloride	2.782	84	124271	46.761	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	108489	46.441	ug/l	100
22) Diisopropyl ether	3.757	45	363224	47.964	ug/l	100
23) Vinyl Acetate	3.715	43	1576614	237.862	ug/l	100
24) 1,1-Dichloroethane	3.599	63	215178	47.915	ug/l	100
25) 2-Butanone	4.556	43	407104	239.931	ug/l	100
26) 2,2-Dichloropropane	4.465	77	201388	46.271	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	137091	46.654	ug/l	100
28) Bromochloromethane	4.891	49	101453	48.346	ug/l	100
29) Tetrahydrofuran	5.001	42	256051	233.952	ug/l	100
30) Chloroform	5.086	83	218193	48.144	ug/l	100
31) Cyclohexane	5.458	56	177904	48.981	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	190478	45.718	ug/l	100
36) 1,1-Dichloropropene	5.684	75	143445	46.120	ug/l	100
37) Ethyl Acetate	4.708	43	162853	49.168	ug/l	100
38) Carbon Tetrachloride	5.672	117	161882	46.273	ug/l	100
39) Methylcyclohexane	7.373	83	193759	46.929	ug/l	100
40) Benzene	6.031	78	459433	47.670	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044651.D
 Acq On : 15 Jan 2025 12:02
 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 01/15/2025
 Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:00:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 00:57:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	89498	47.017	ug/l	100
42) 1,2-Dichloroethane	6.080	62	167878	47.725	ug/l	100
43) Isopropyl Acetate	6.336	43	286693	47.053	ug/l	100
44) Trichloroethene	7.116	130	111112	47.956	ug/l	100
45) 1,2-Dichloropropane	7.427	63	115621	47.660	ug/l	100
46) Dibromomethane	7.574	93	86455	46.813	ug/l	100
47) Bromodichloromethane	7.818	83	178531	47.138	ug/l	100
48) Methyl methacrylate	7.690	41	140450	49.659	ug/l	100
49) 1,4-Dioxane	7.665	88	55679	943.583	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	790152	234.662	ug/l	100
52) Toluene	8.714	92	283156	48.001	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	191876	49.036	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	201804	47.563	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	112274	47.043	ug/l	100
56) Ethyl methacrylate	9.116	69	198422	48.353	ug/l	100
57) 1,3-Dichloropropane	9.305	76	195182	48.025	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	479521	238.018	ug/l	100
59) 2-Hexanone	9.433	43	580029	234.142	ug/l	100
60) Dibromochloromethane	9.518	129	133941	47.816	ug/l	100
61) 1,2-Dibromoethane	9.604	107	118382	47.331	ug/l	100
64) Tetrachloroethene	9.269	164	89149	47.145	ug/l	100
65) Chlorobenzene	10.073	112	303658	47.474	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	110395	47.490	ug/l	100
67) Ethyl Benzene	10.189	91	535714	48.000	ug/l	100
68) m/p-Xylenes	10.299	106	395084	95.393	ug/l	100
69) o-Xylene	10.640	106	200396	47.845	ug/l	100
70) Styrene	10.652	104	327844	48.481	ug/l	100
71) Bromoform	10.799	173	90837	48.011	ug/l	100
73) Isopropylbenzene	10.957	105	500669	47.943	ug/l	100
74) N-amyl acetate	10.841	43	242893	47.188	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	166468	46.155	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	140834m	46.648	ug/l	
77) Bromobenzene	11.195	156	115377	47.268	ug/l	100
78) n-propylbenzene	11.299	91	561396	48.746	ug/l	100
79) 2-Chlorotoluene	11.360	91	353178	47.474	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	407362	47.918	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	65476	48.266	ug/l	100
82) 4-Chlorotoluene	11.451	91	393120	48.238	ug/l	100
83) tert-Butylbenzene	11.713	119	422348	47.513	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	410477	47.515	ug/l	100
85) sec-Butylbenzene	11.890	105	497964	48.113	ug/l	100
86) p-Isopropyltoluene	12.006	119	411853	48.421	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	206233	48.720	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	201574	47.960	ug/l	100
89) n-Butylbenzene	12.329	91	358698	49.100	ug/l	100
90) Hexachloroethane	12.536	117	88230	45.808	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	207903	47.824	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39659	44.962	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	131779	50.708	ug/l	100
94) Hexachlorobutadiene	13.725	225	50255	49.230	ug/l	100
95) Naphthalene	13.774	128	487525	48.639	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	134816	50.047	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044651.D
Acq On : 15 Jan 2025 12:02
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 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:00:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

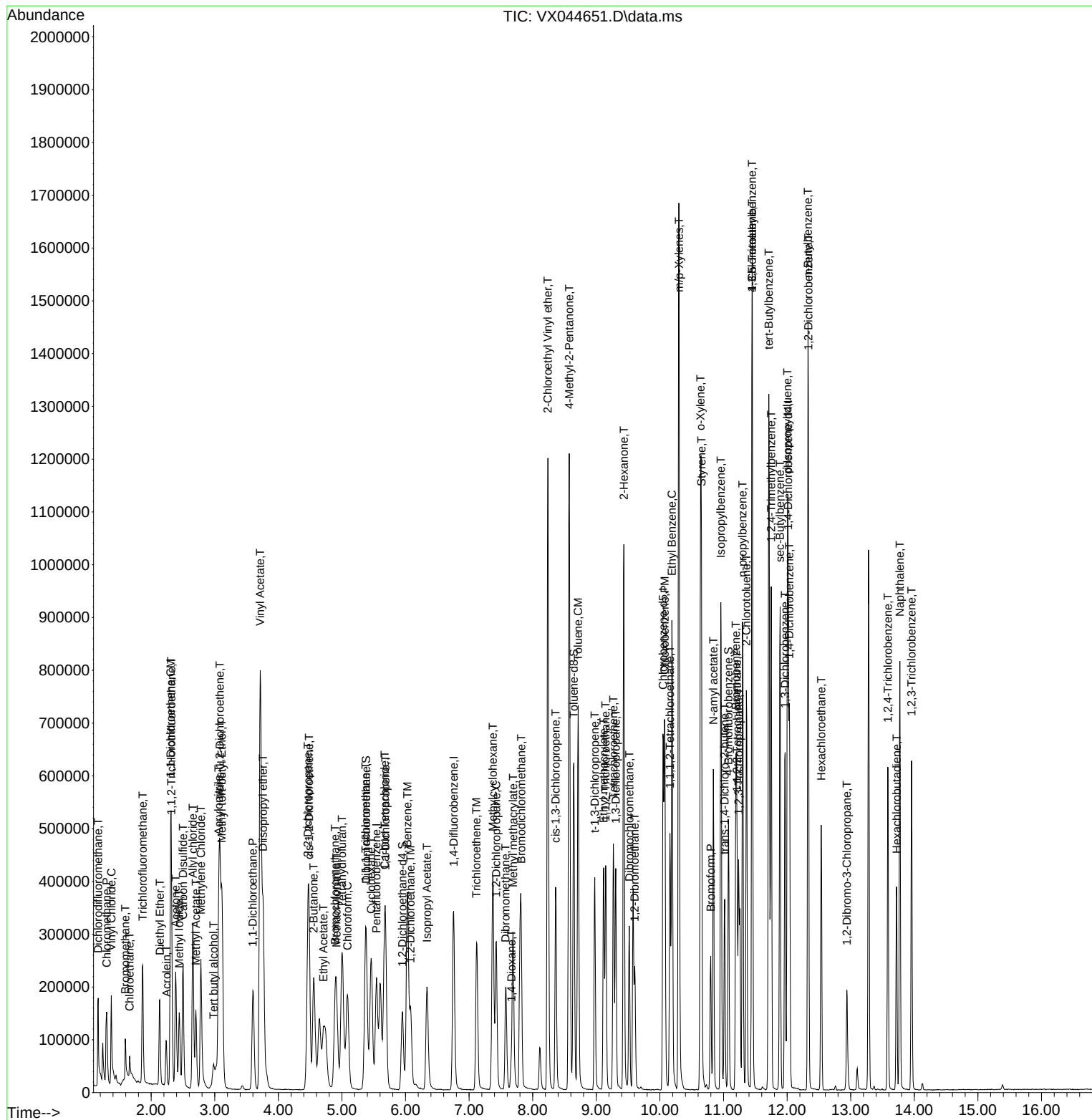
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

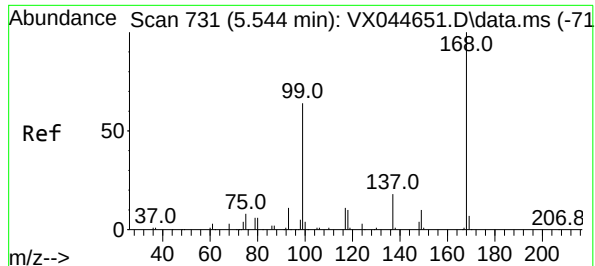
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations

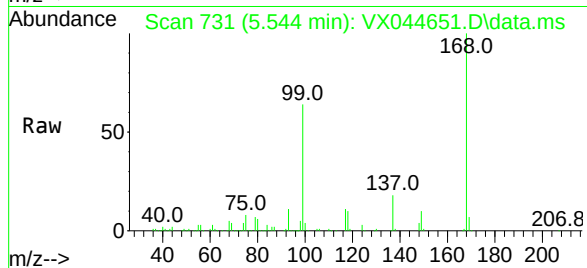
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

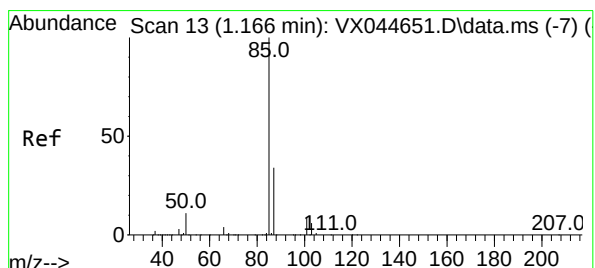
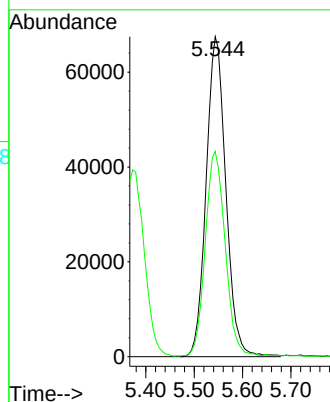
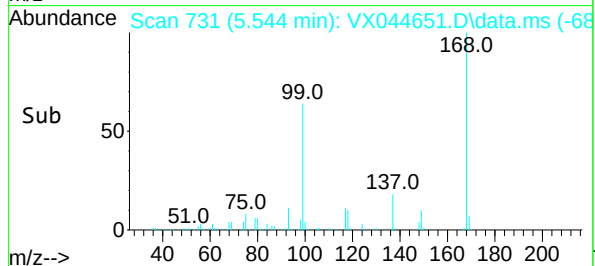
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:168 Resp: 19109
Ion Ratio Lower Upper
168 100
99 63.9 51.1 76.7

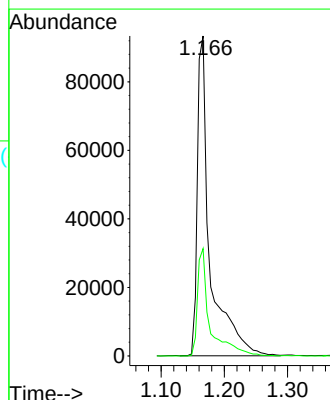
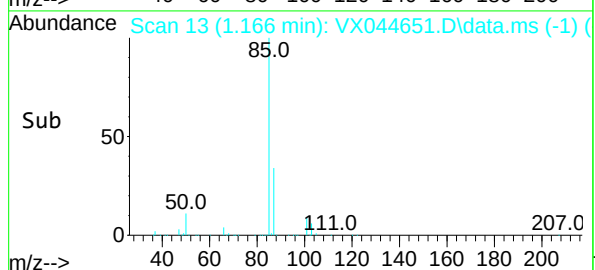
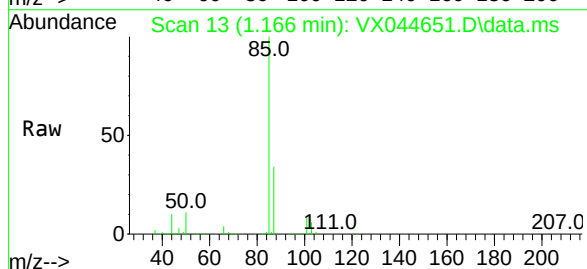
Manual Integrations
APPROVED

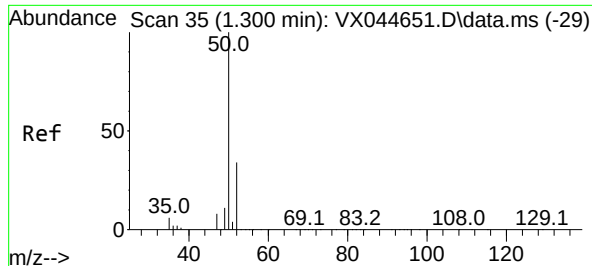
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#2
Dichlorodifluoromethane
Concen: 50.482 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 85 Resp: 129814
Ion Ratio Lower Upper
85 100
87 33.6 16.8 50.4





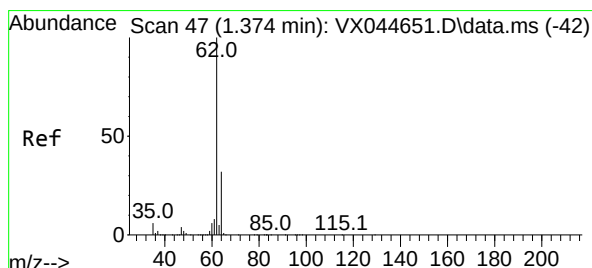
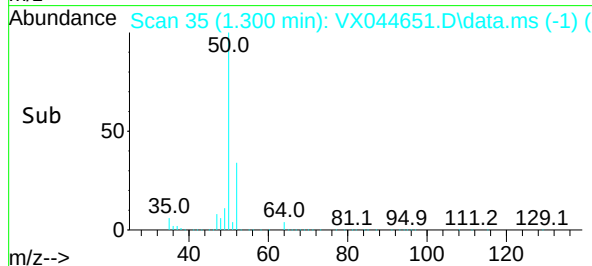
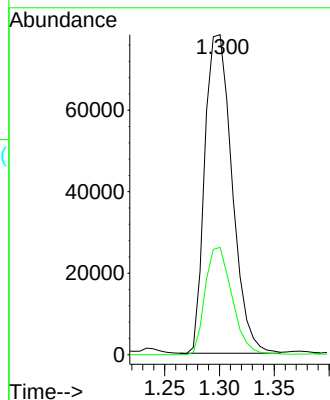
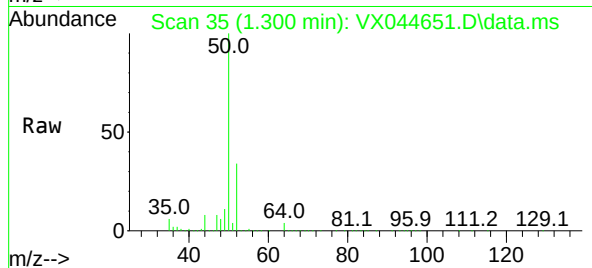
#3
Chloromethane
Concen: 48.786 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 13566
Ion Ratio Lower Upper
50 100
52 33.7 27.0 40.4

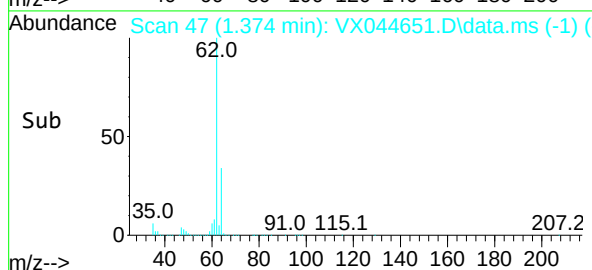
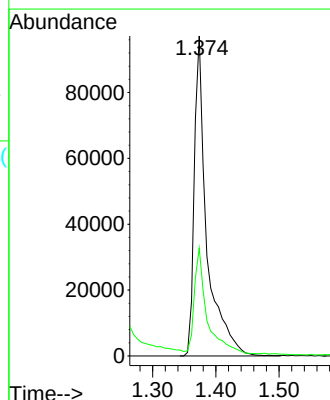
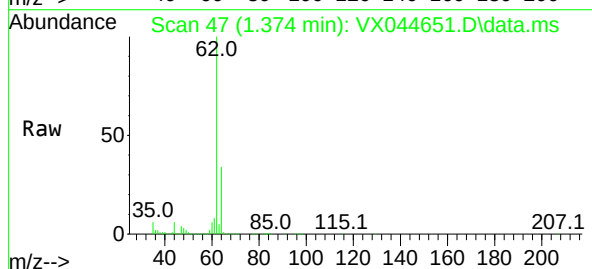
Manual Integrations
APPROVED

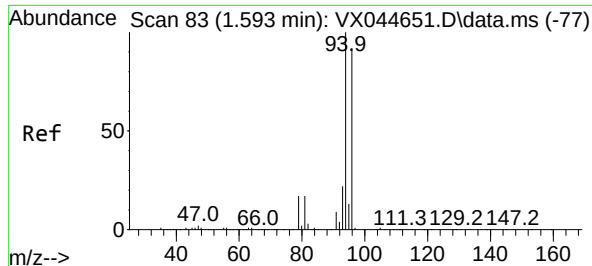
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#4
Vinyl Chloride
Concen: 48.836 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

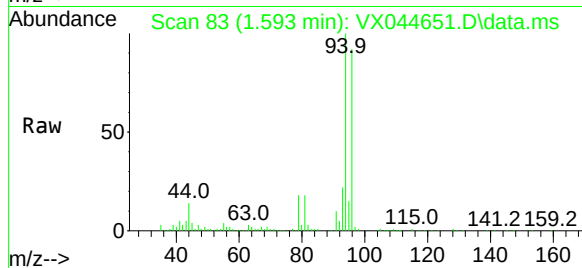
Tgt Ion: 62 Resp: 134180
Ion Ratio Lower Upper
62 100
64 33.2 26.6 39.8





#5
Bromomethane
Concen: 49.668 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

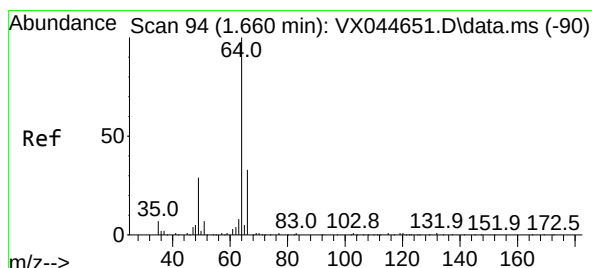
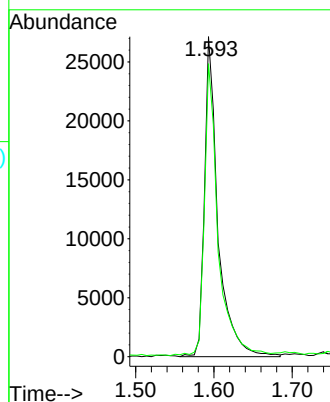
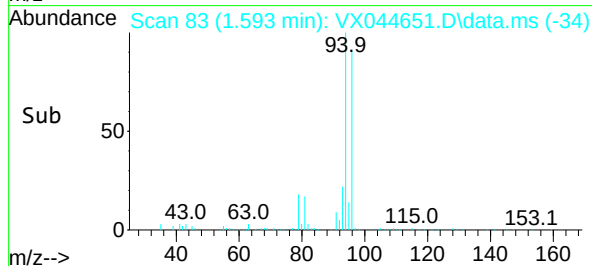
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 94 Resp: 3258
Ion Ratio Lower Upper
94 100
96 91.0 72.8 109.2

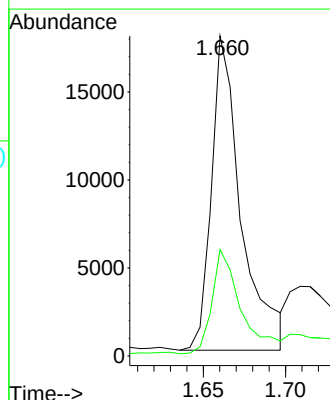
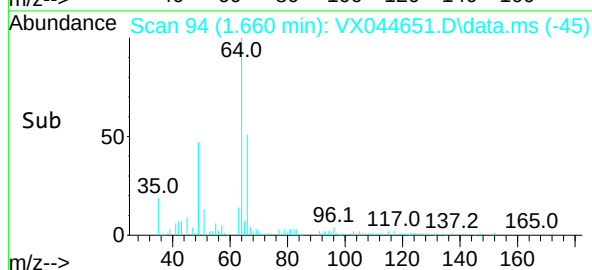
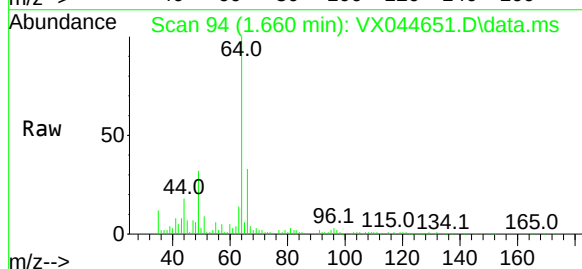
Manual Integrations
APPROVED

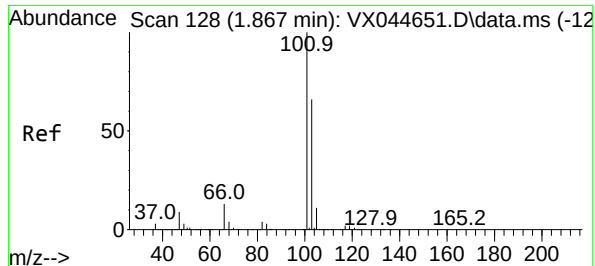
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#6
Chloroethane
Concen: 44.371 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

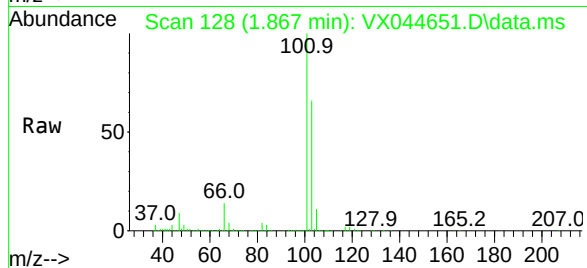
Tgt Ion: 64 Resp: 22356
Ion Ratio Lower Upper
64 100
66 33.2 26.6 39.8





#7
Trichlorofluoromethane
Concen: 48.172 ug/l
RT: 1.867 min Scan# 128
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

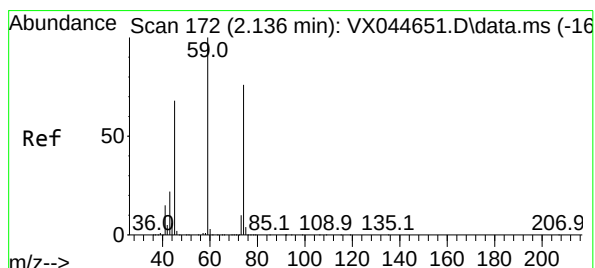
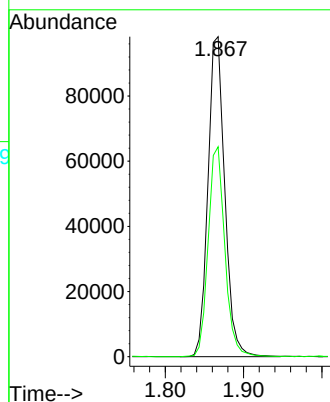
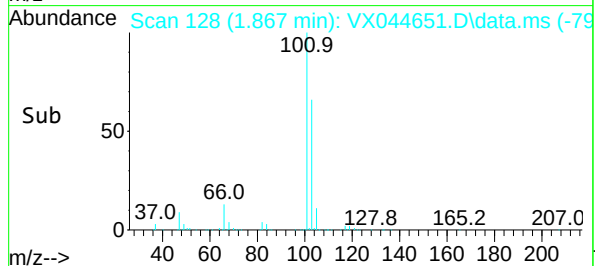
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:101 Resp: 146280
Ion Ratio Lower Upper
101 100
103 65.6 52.5 78.7

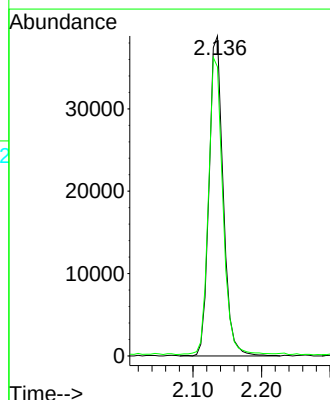
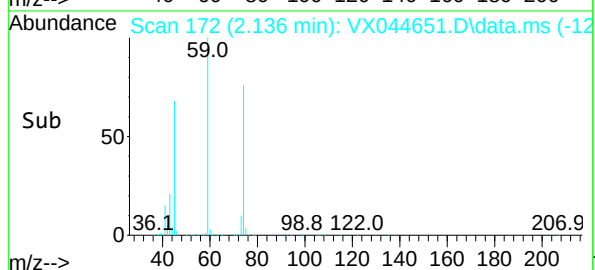
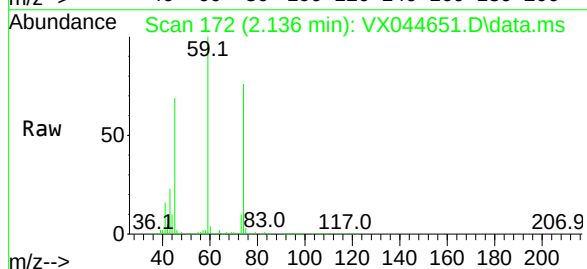
Manual Integrations
APPROVED

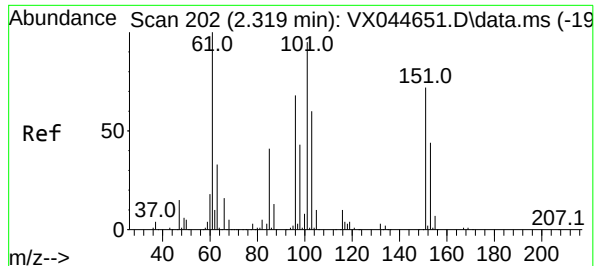
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#8
Diethyl Ether
Concen: 45.569 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

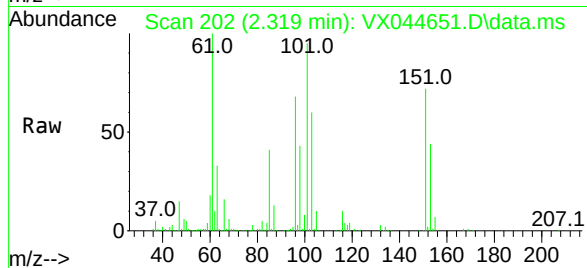
Tgt Ion: 74 Resp: 55843
Ion Ratio Lower Upper
74 100
45 94.2 47.1 141.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.343 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

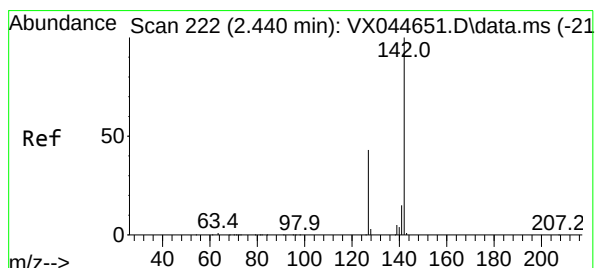
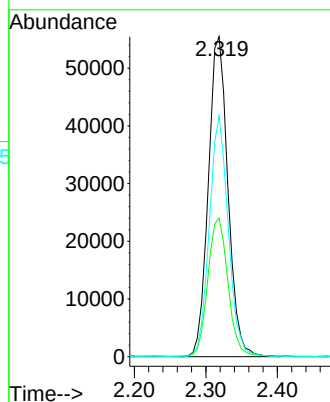
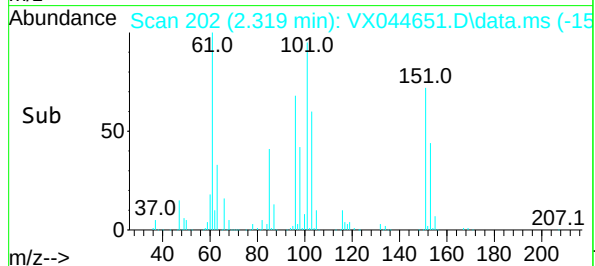
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:101 Resp: 105780
Ion Ratio Lower Upper
101 100
85 44.1 35.3 52.9
151 72.8 58.2 87.4

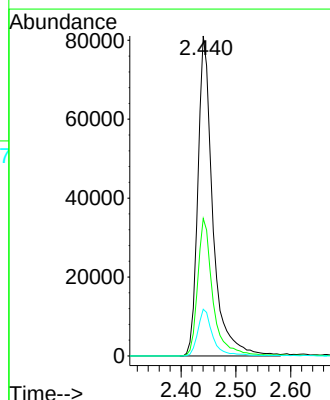
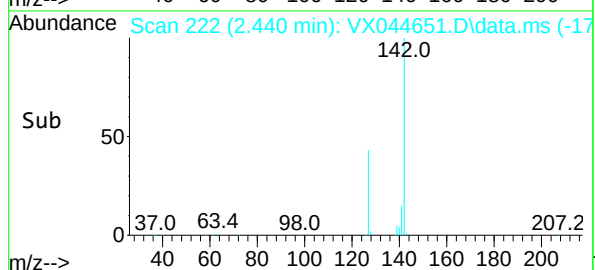
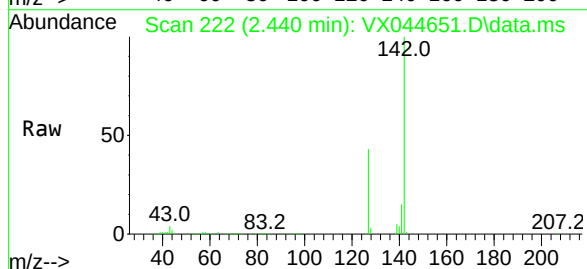
Manual Integrations
APPROVED

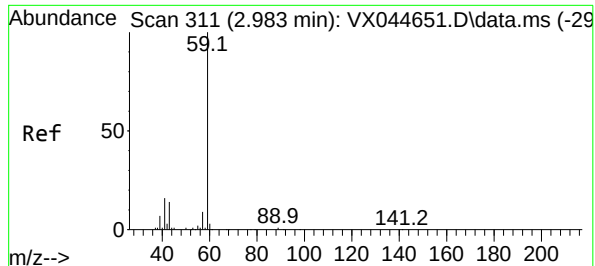
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#10
Methyl Iodide
Concen: 49.525 ug/l
RT: 2.440 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:142 Resp: 154347
Ion Ratio Lower Upper
142 100
127 43.7 35.0 52.4
141 14.6 11.7 17.5





#11

Tert butyl alcohol

Concen: 222.325 ug/l m

RT: 2.983 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 144614

Ion Ratio Lower Upper

59 100

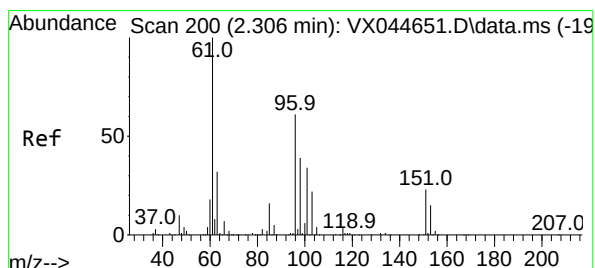
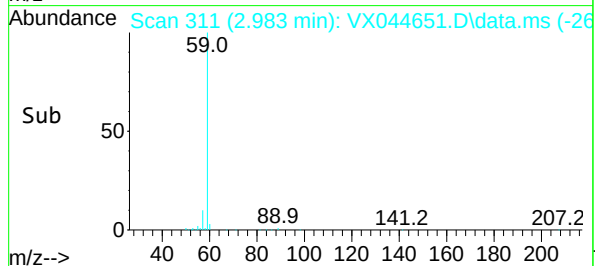
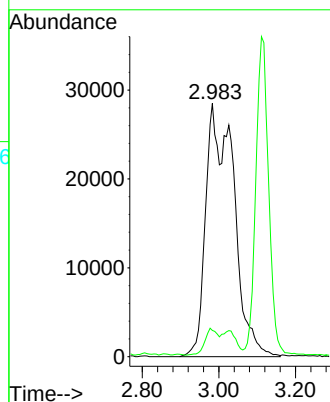
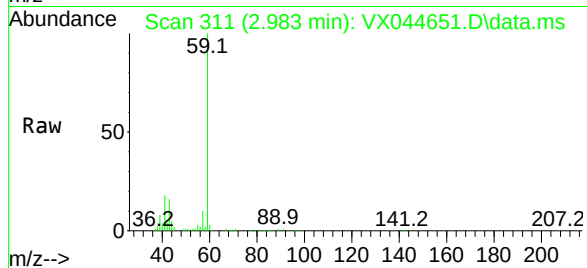
57 4.9 3.9 5.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#12

1,1-Dichloroethene

Concen: 48.342 ug/l

RT: 2.306 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

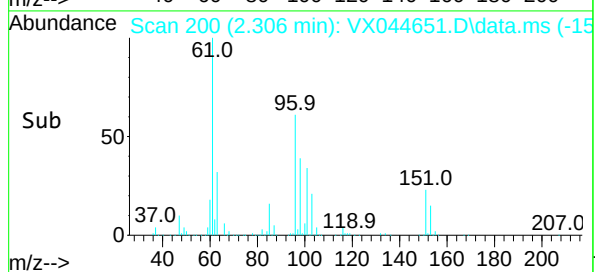
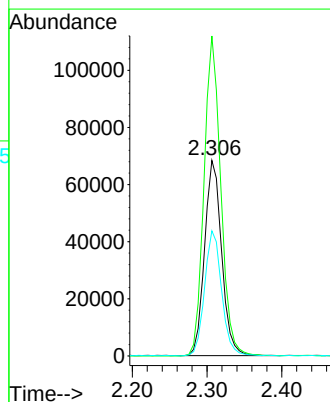
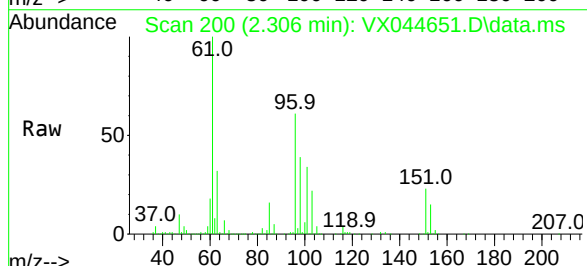
Tgt Ion: 96 Resp: 108167

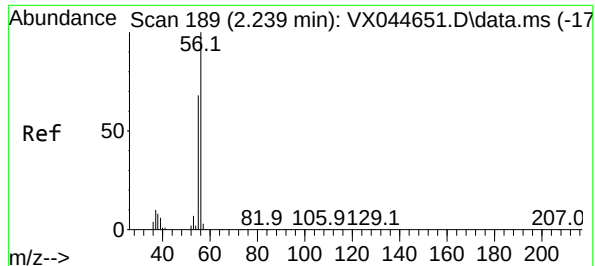
Ion Ratio Lower Upper

96 100

61 163.9 131.1 196.7

98 64.0 51.2 76.8





#13

Acrolein

Concen: 213.821 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 6470

Ion Ratio Lower Upper

56 100

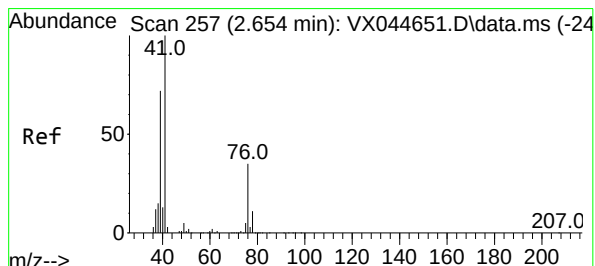
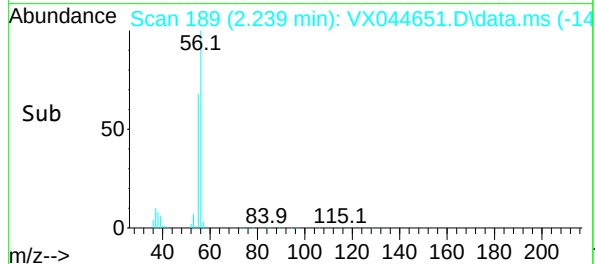
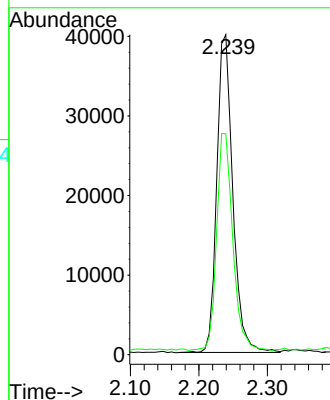
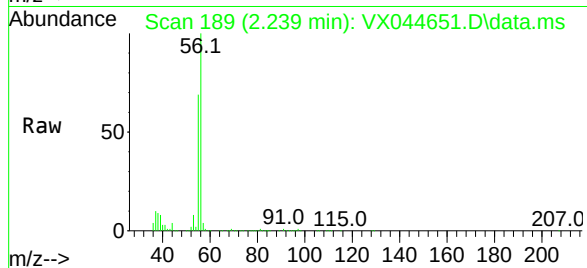
55 68.9 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#14

Allyl chloride

Concen: 46.011 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

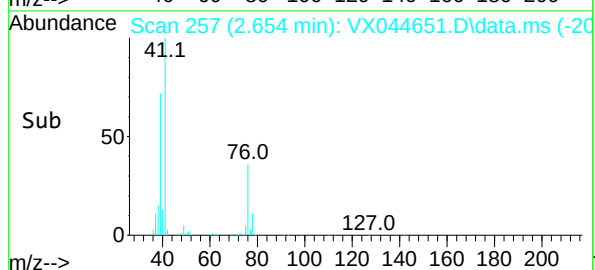
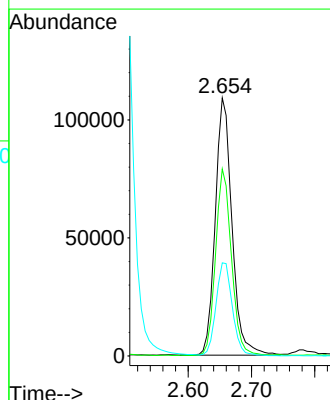
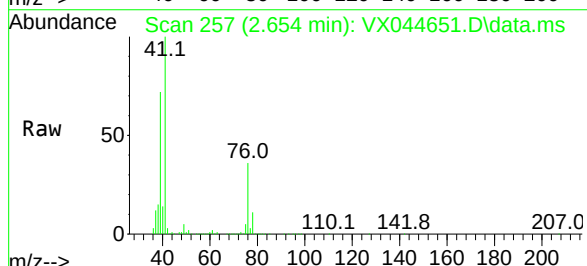
Tgt Ion: 41 Resp: 200446

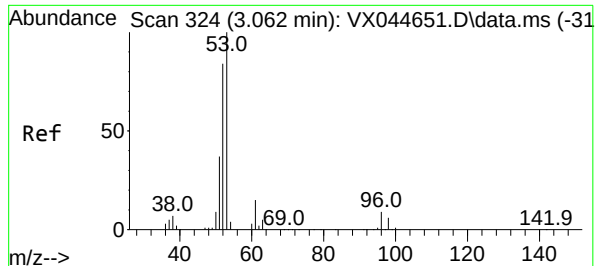
Ion Ratio Lower Upper

41 100

39 68.6 54.9 82.3

76 35.5 28.4 42.6





#15

Acrylonitrile

Concen: 236.777 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 298629

Ion Ratio Lower Upper

53 100

52 82.5 66.0 99.0

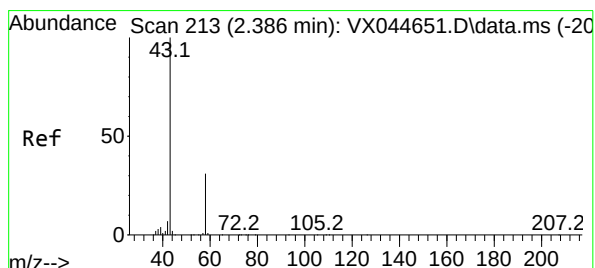
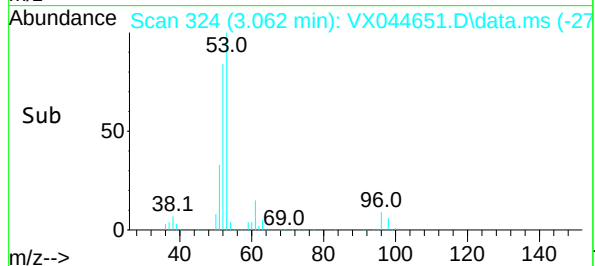
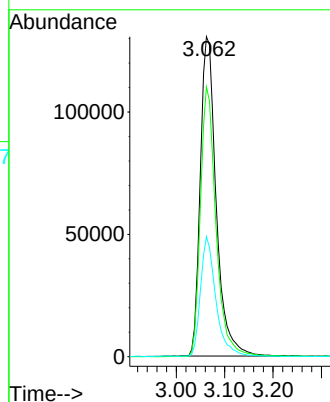
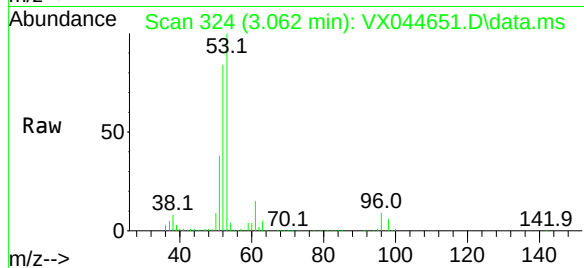
51 36.1 28.9 43.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#16

Acetone

Concen: 223.898 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX044651.D

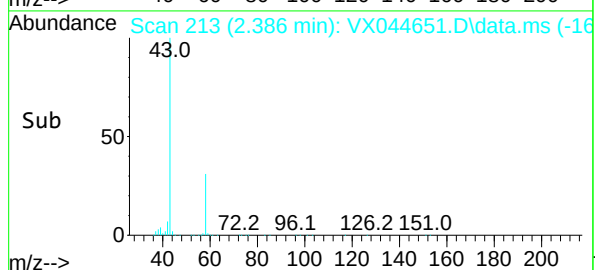
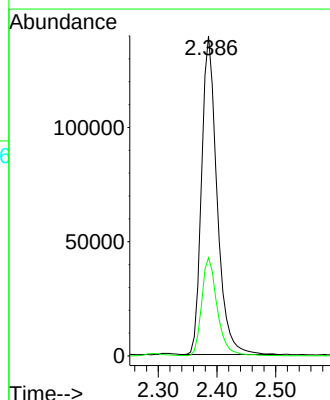
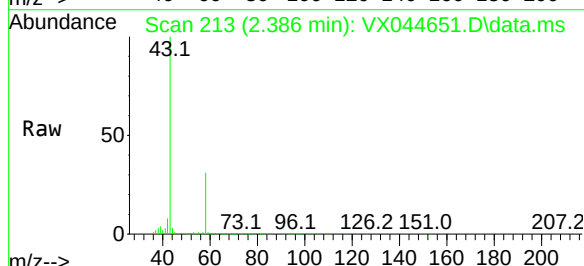
Acq: 15 Jan 2025 12:02

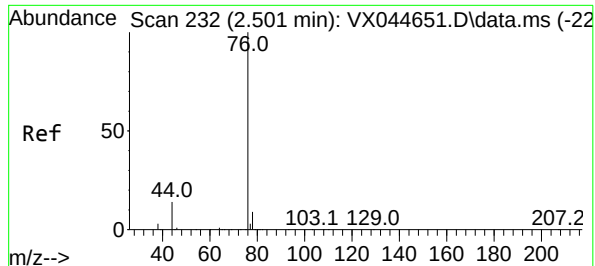
Tgt Ion: 43 Resp: 255513

Ion Ratio Lower Upper

43 100

58 30.8 24.6 37.0





#17

Carbon Disulfide

Concen: 48.333 ug/l

RT: 2.501 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 295098

Ion Ratio Lower Upper

76 100

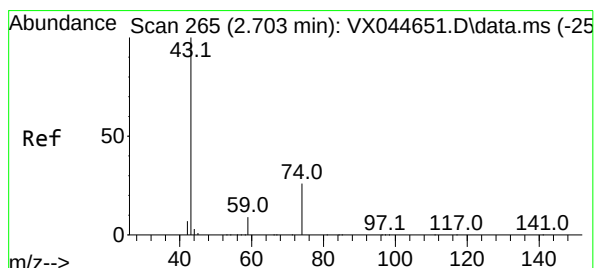
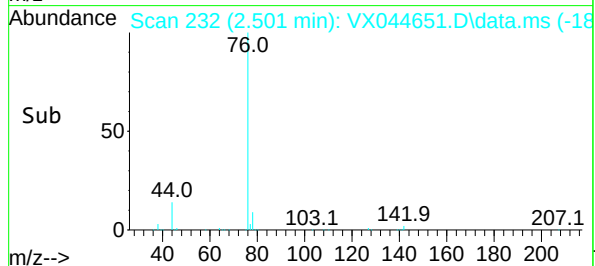
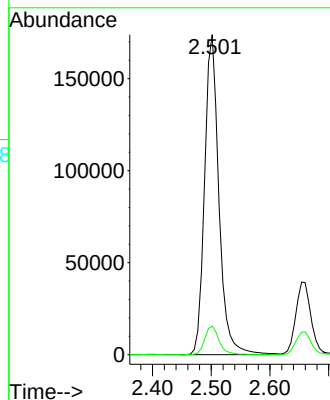
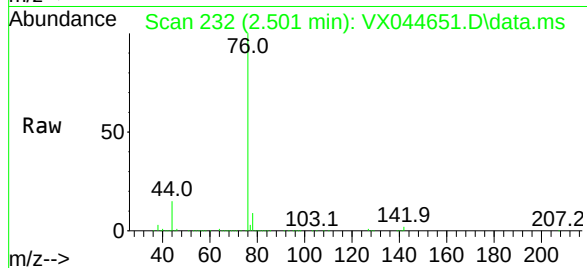
78 8.9 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#18

Methyl Acetate

Concen: 47.777 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044651.D

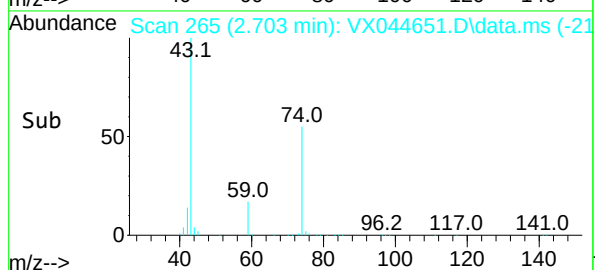
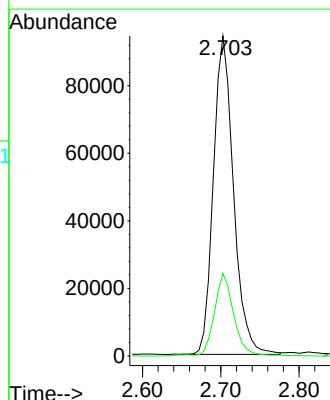
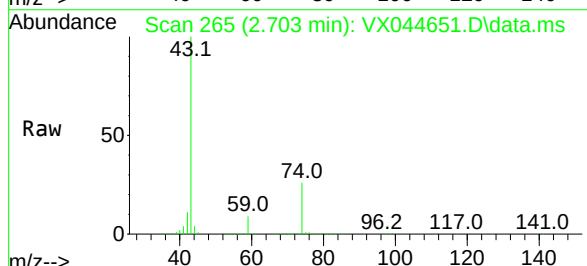
Acq: 15 Jan 2025 12:02

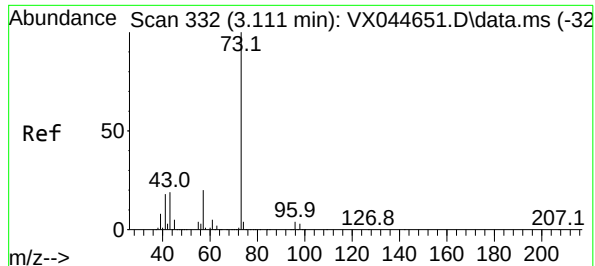
Tgt Ion: 43 Resp: 168213

Ion Ratio Lower Upper

43 100

74 24.8 19.8 29.8





#19

Methyl tert-butyl Ether

Concen: 47.913 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 388300

Ion Ratio Lower Upper

73 100

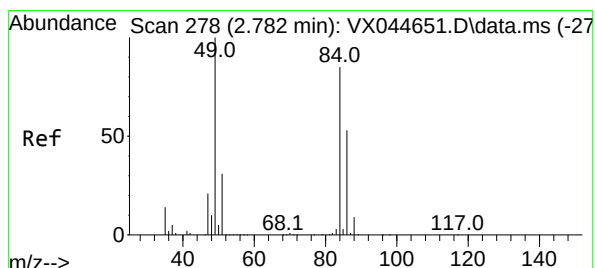
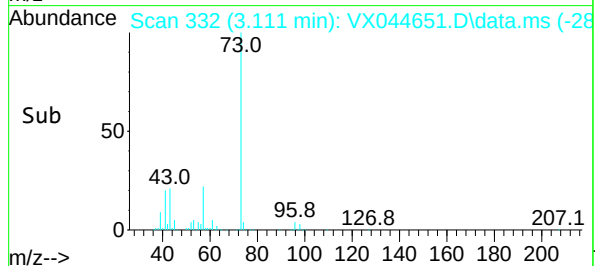
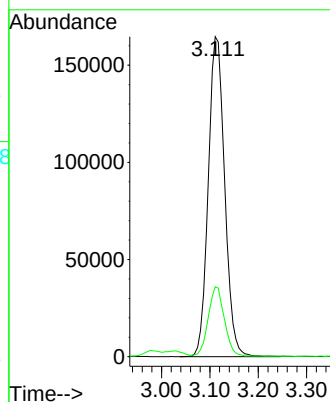
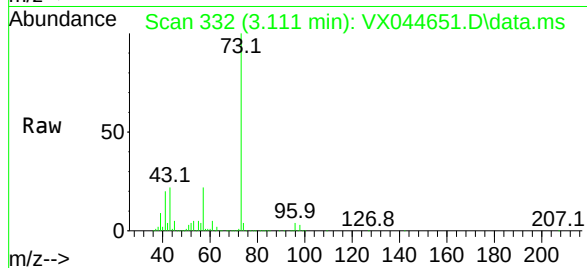
57 21.7 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#20

Methylene Chloride

Concen: 46.761 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Tgt Ion: 84 Resp: 124271

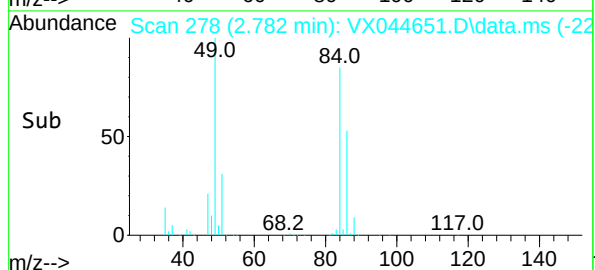
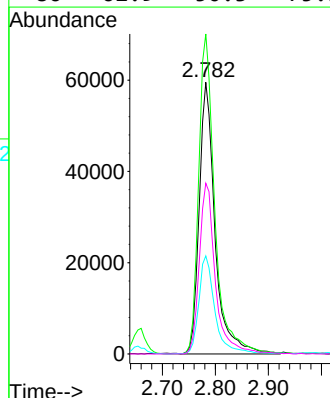
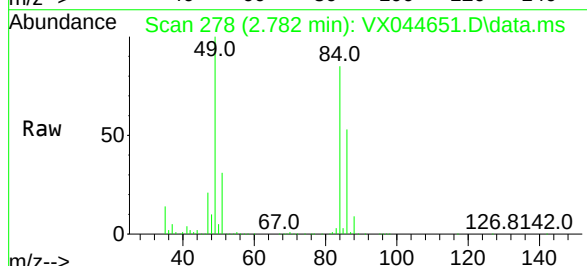
Ion Ratio Lower Upper

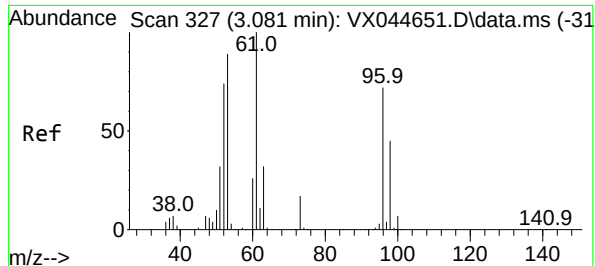
84 100

49 117.8 94.2 141.4

51 36.0 28.8 43.2

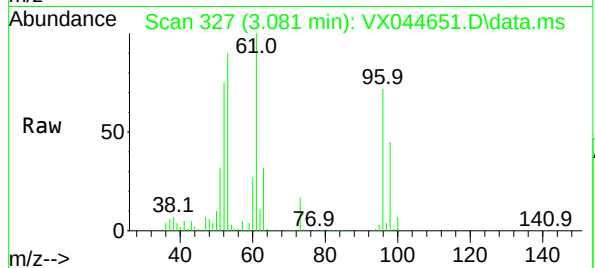
86 62.9 50.3 75.5





#21
trans-1,2-Dichloroethene
Concen: 46.441 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

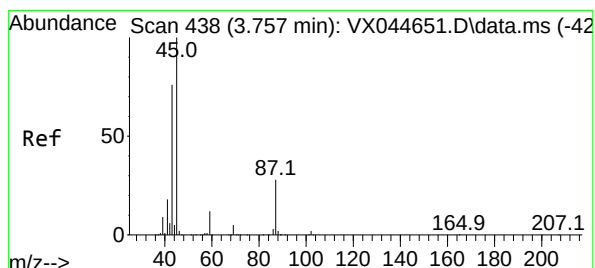
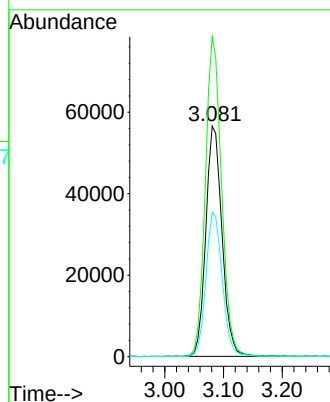
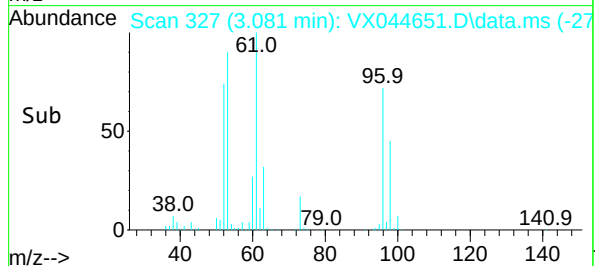
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 108489
Ion Ratio Lower Upper
96 100
61 138.8 111.0 166.6
98 62.7 50.2 75.2

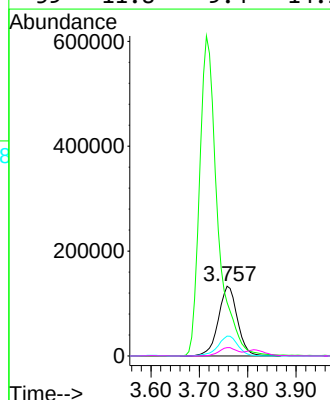
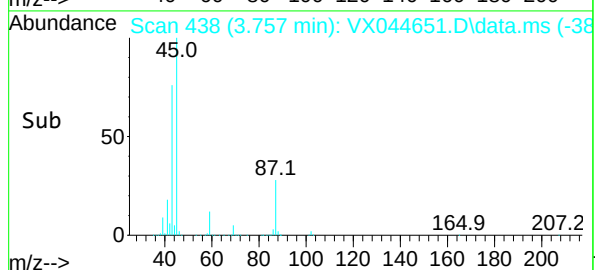
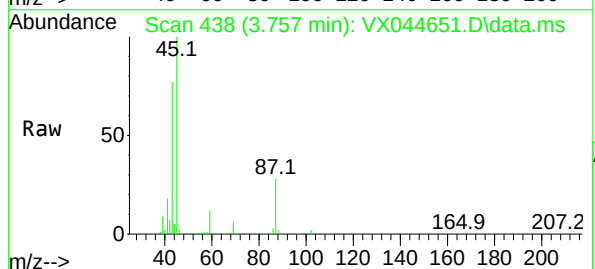
Manual Integrations
APPROVED

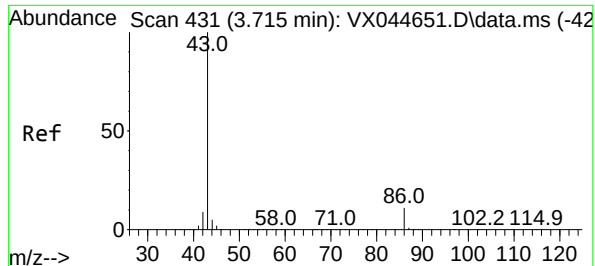
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#22
Diisopropyl ether
Concen: 47.964 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 45 Resp: 363224
Ion Ratio Lower Upper
45 100
43 76.3 61.0 91.6
87 28.4 22.7 34.1
59 11.8 9.4 14.2





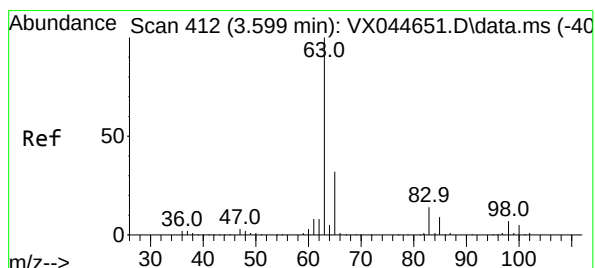
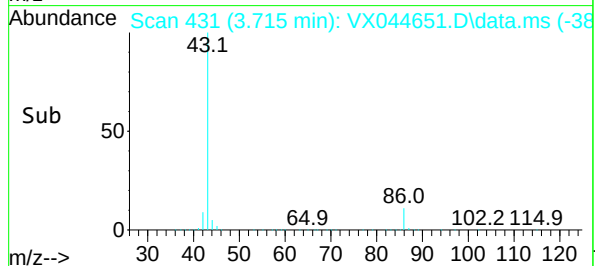
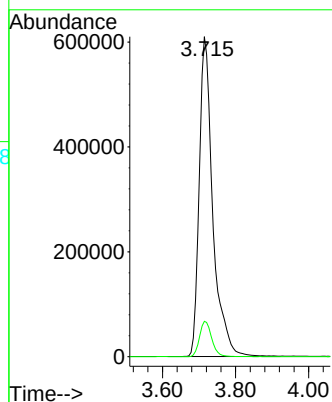
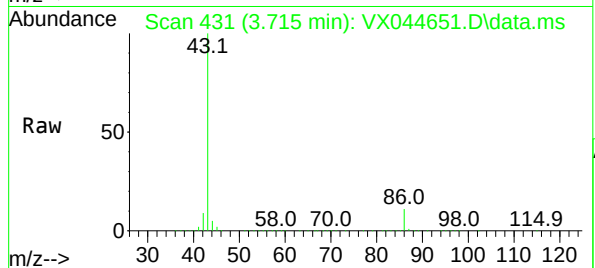
#23
Vinyl Acetate
Concen: 237.862 ug/l
RT: 3.715 min Scan# 411
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1576614
Ion Ratio Lower Upper
43 100
86 11.1 8.9 13.3

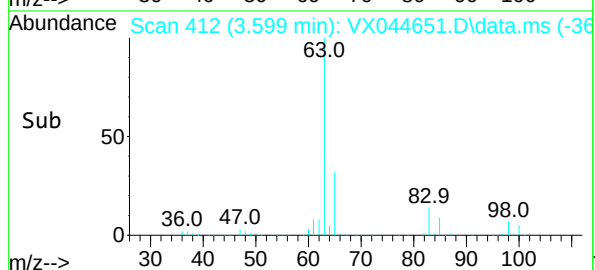
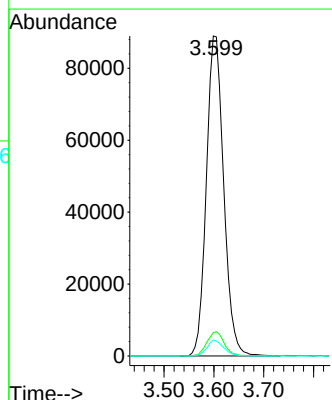
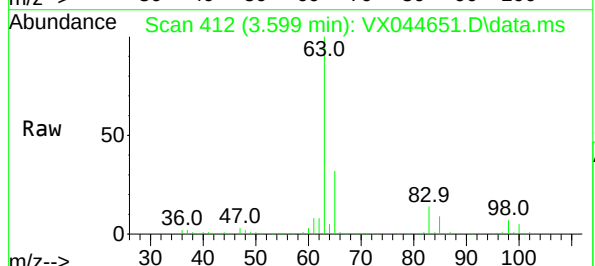
Manual Integrations
APPROVED

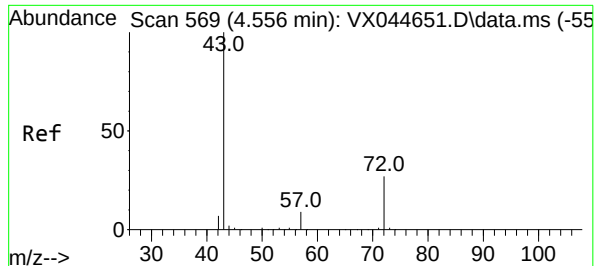
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#24
1,1-Dichloroethane
Concen: 47.915 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

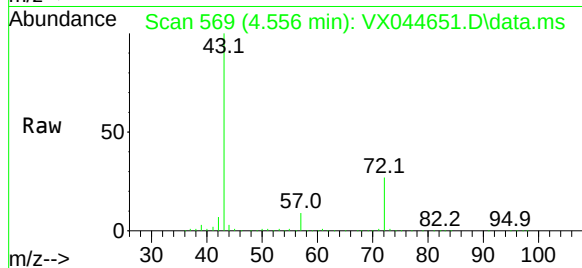
Tgt Ion: 63 Resp: 215178
Ion Ratio Lower Upper
63 100
98 7.3 3.6 10.9
100 5.0 2.5 7.5





#25
2-Butanone
Concen: 239.931 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

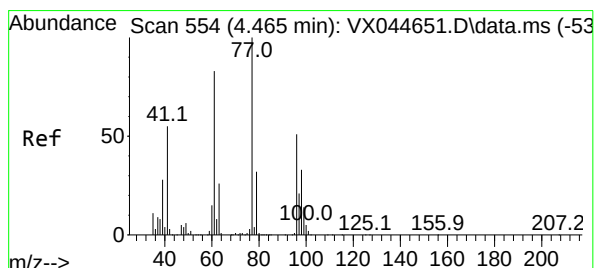
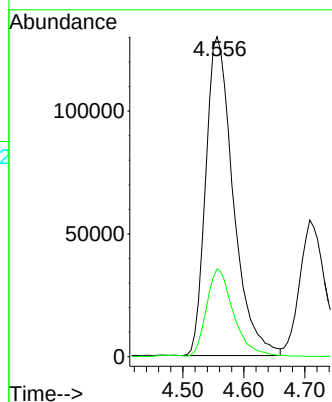
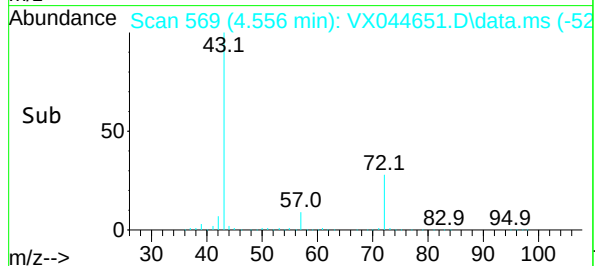
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 407104
Ion Ratio Lower Upper
43 100
72 27.1 21.7 32.5

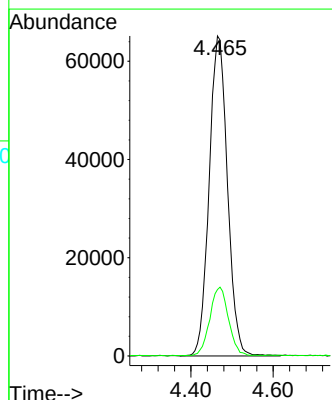
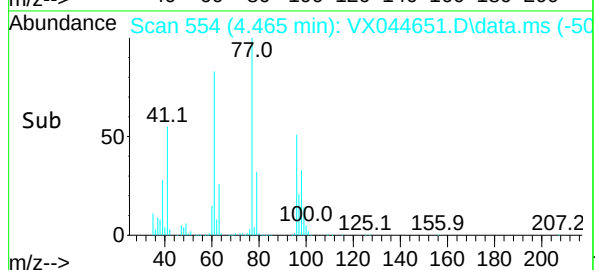
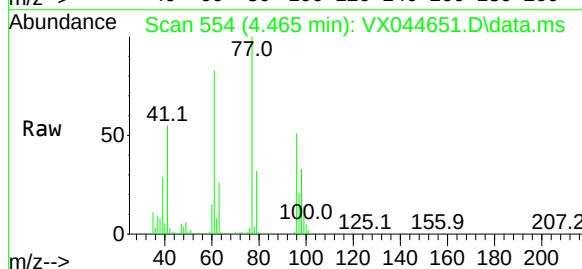
Manual Integrations
APPROVED

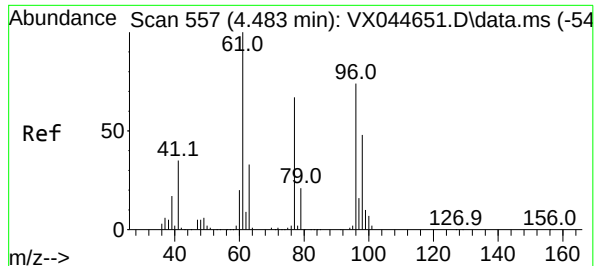
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#26
2,2-Dichloropropane
Concen: 46.271 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 77 Resp: 201388
Ion Ratio Lower Upper
77 100
97 21.7 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 46.654 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 13709

Ion Ratio Lower Upper

96 100

61 148.0 0.0 296.0

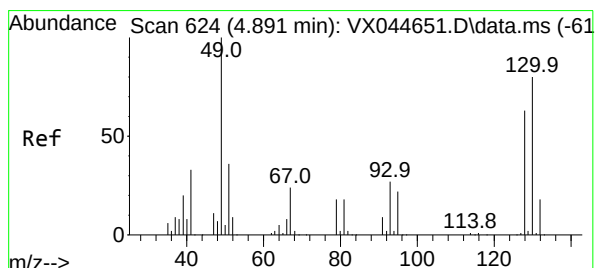
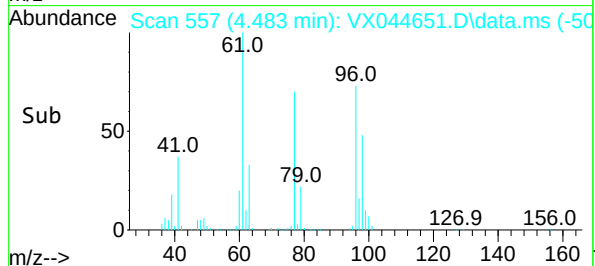
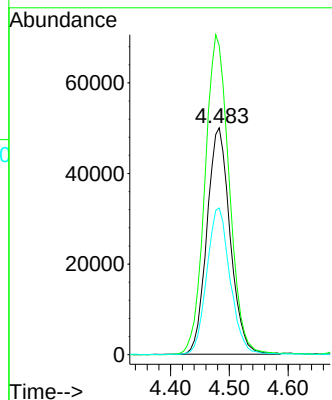
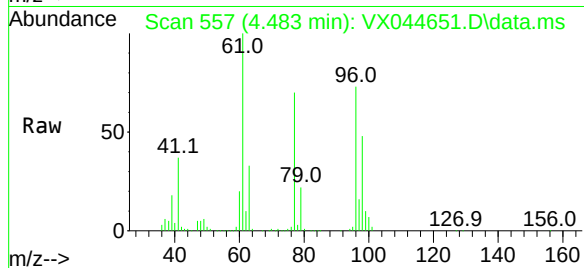
98 65.0 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#28

Bromochloromethane

Concen: 48.346 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

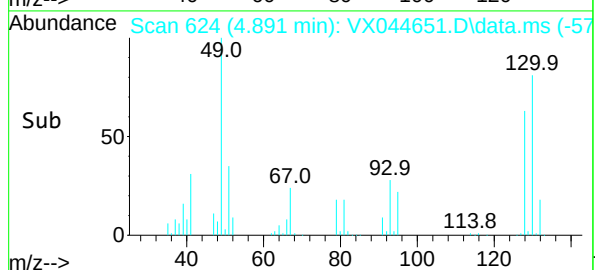
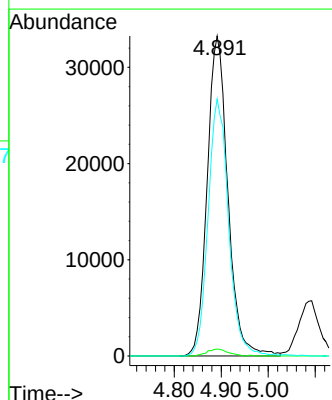
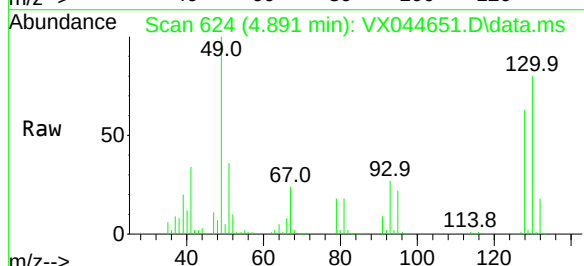
Tgt Ion: 49 Resp: 101453

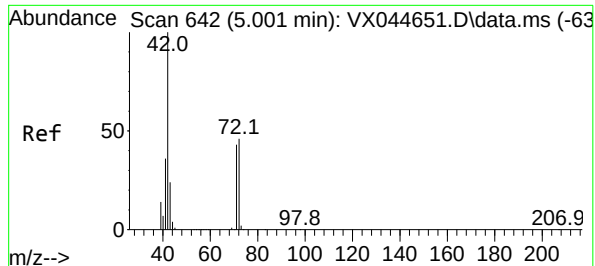
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 79.3 63.4 95.2





#29

Tetrahydrofuran

Concen: 233.952 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

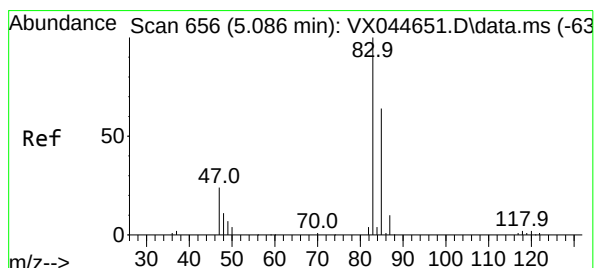
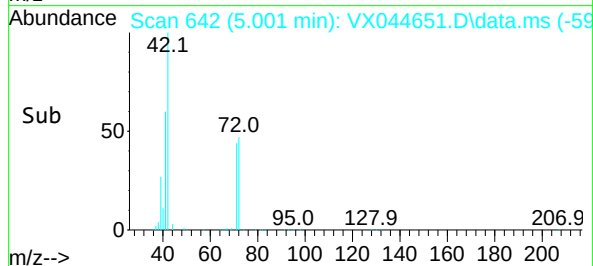
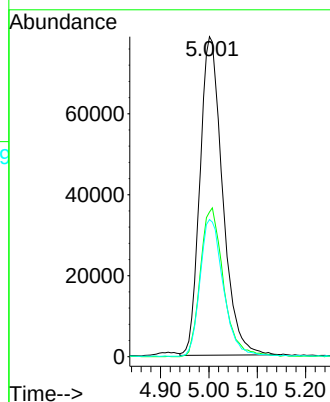
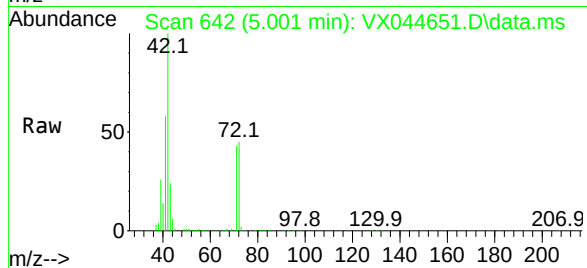
Tgt Ion: 42 Resp: 25605

Ion	Ratio	Lower	Upper
42	100		
72	47.8	38.2	57.4
71	44.1	35.3	52.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#30

Chloroform

Concen: 48.144 ug/l

RT: 5.086 min Scan# 656

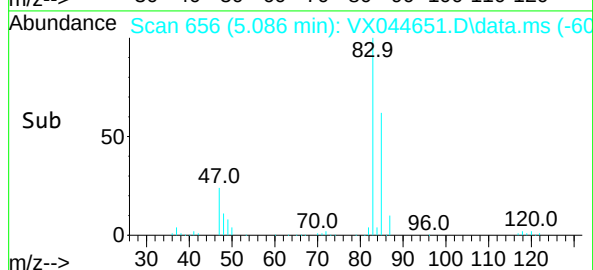
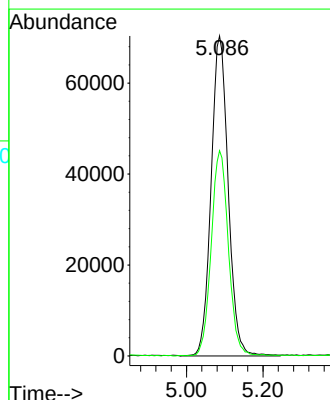
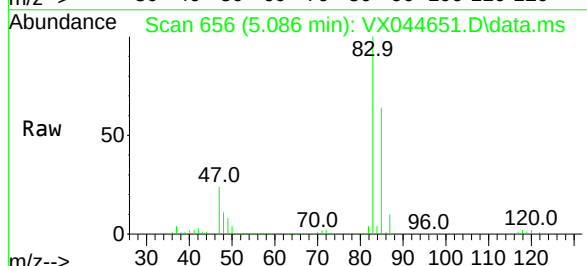
Delta R.T. 0.000 min

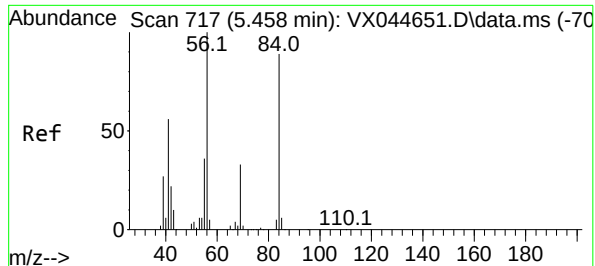
Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Tgt Ion: 83 Resp: 218193

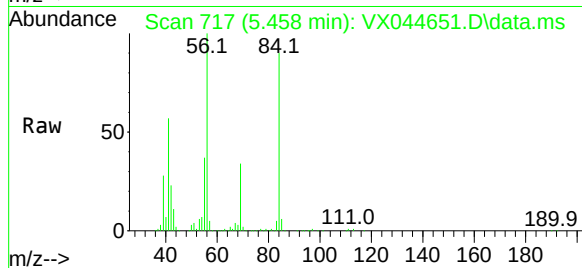
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8





#31
Cyclohexane
Concen: 48.981 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

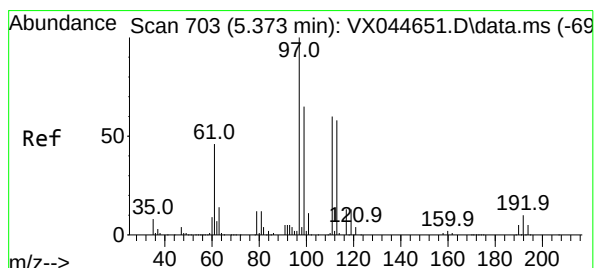
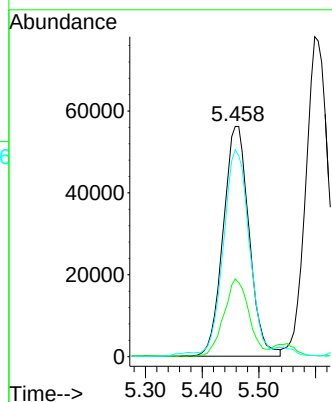
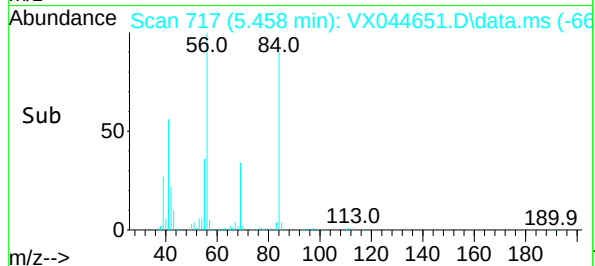
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 56 Resp: 177904
Ion Ratio Lower Upper
56 100
69 33.5 26.8 40.2
84 88.7 71.0 106.4

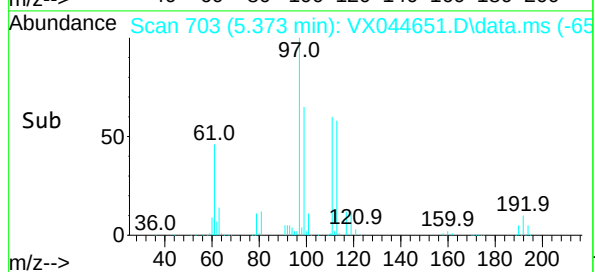
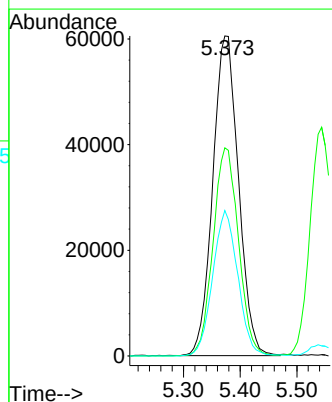
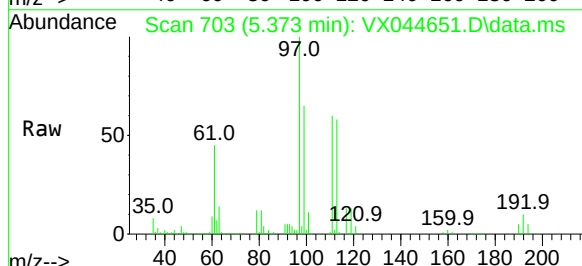
Manual Integrations
APPROVED

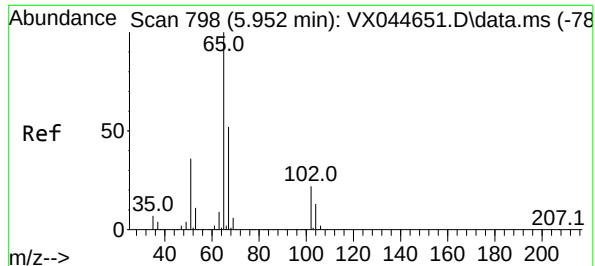
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#32
1,1,1-Trichloroethane
Concen: 45.718 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 97 Resp: 190478
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 44.5 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 49.339 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 142310

Ion Ratio Lower Upper

65 100

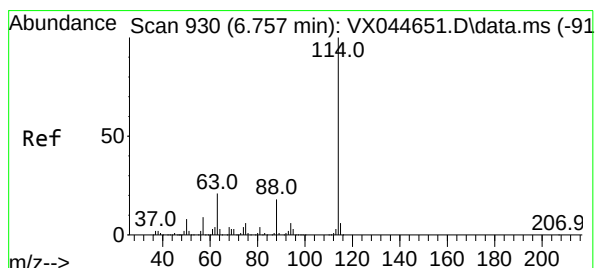
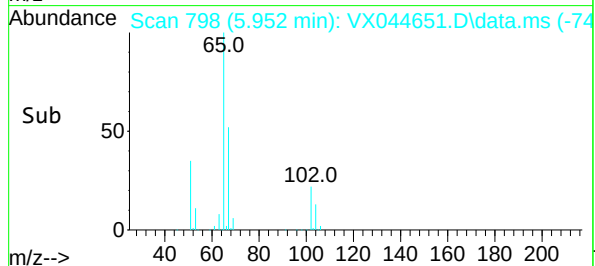
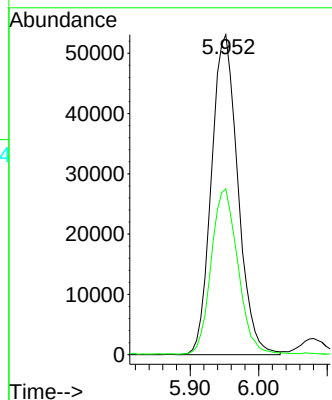
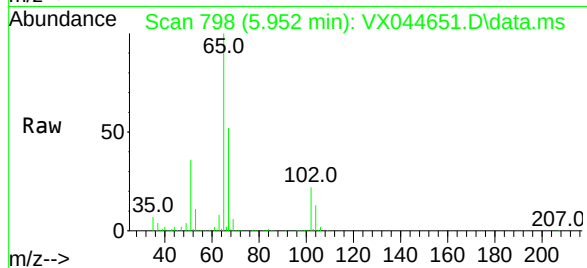
67 51.7 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

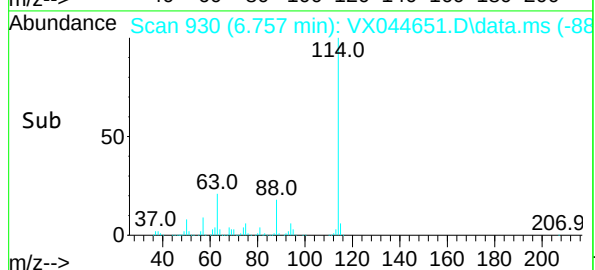
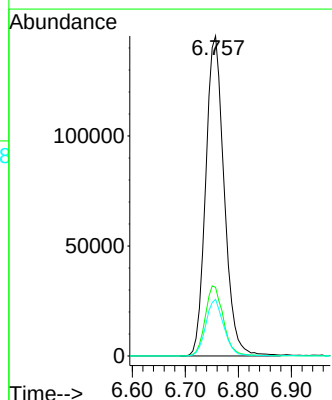
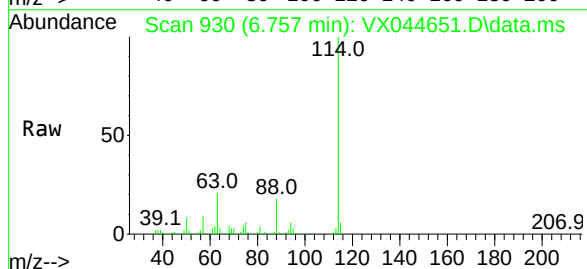
Tgt Ion:114 Resp: 351701

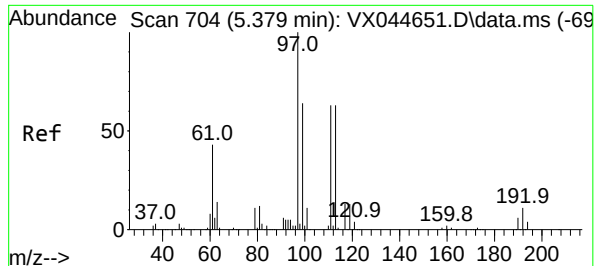
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.0

88 17.7 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.011 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 111739

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

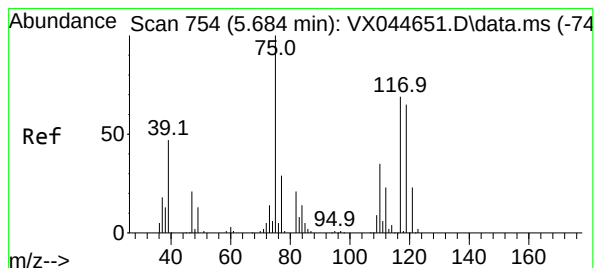
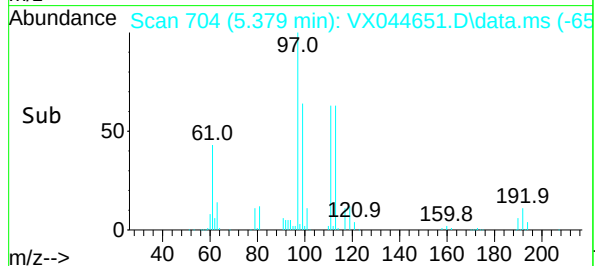
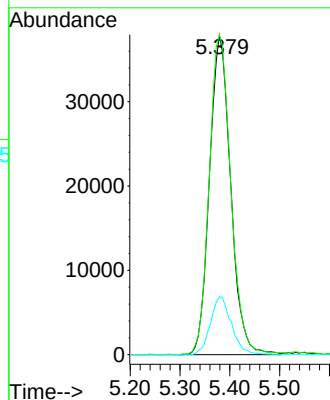
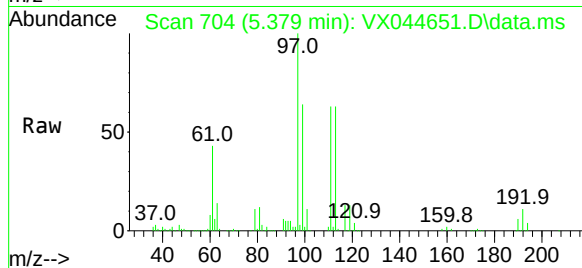
192 18.0 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#36

1,1-Dichloropropene

Concen: 46.120 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

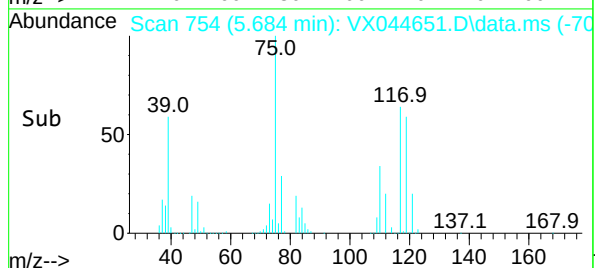
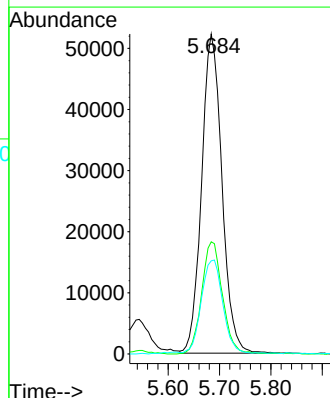
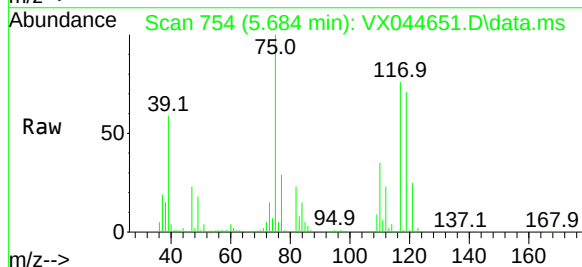
Tgt Ion: 75 Resp: 143445

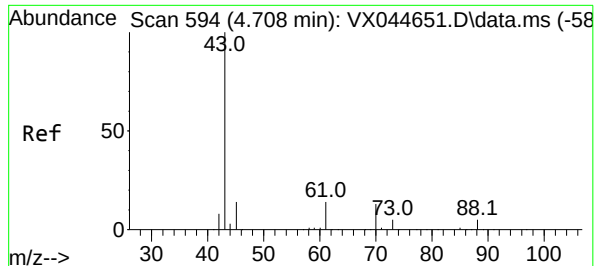
Ion Ratio Lower Upper

75 100

110 35.9 17.9 53.8

77 30.6 24.5 36.7





#37

Ethyl Acetate

Concen: 49.168 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 16285

Ion Ratio Lower Upper

43 100

61 13.6 10.9 16.3

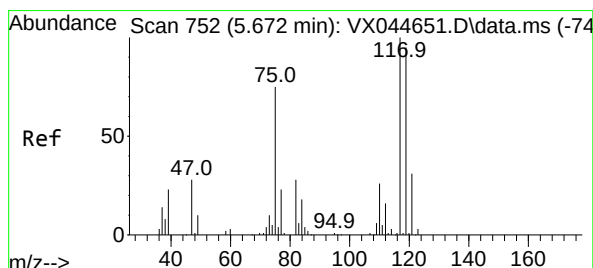
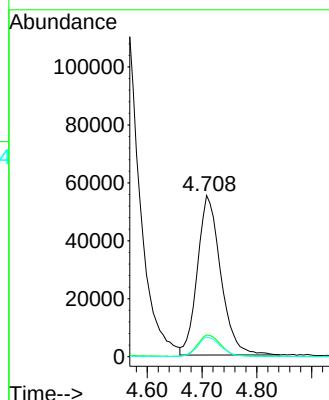
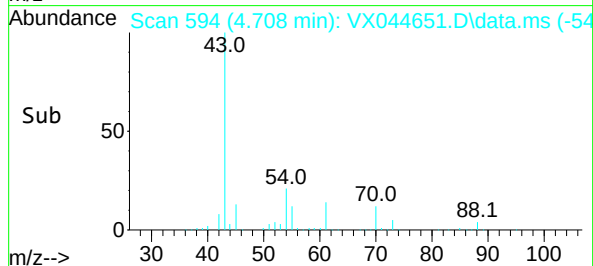
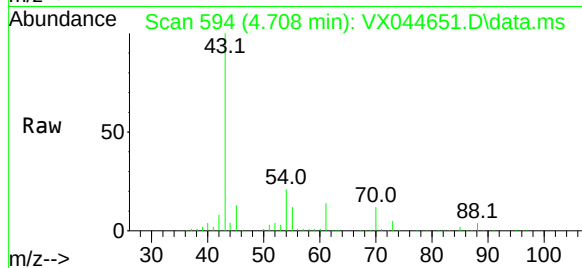
70 12.6 10.1 15.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#38

Carbon Tetrachloride

Concen: 46.273 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

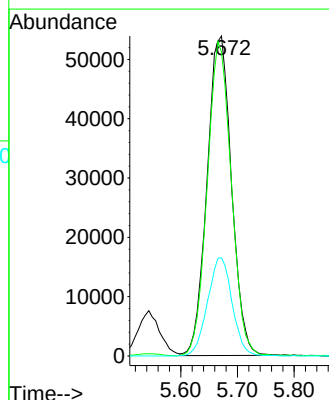
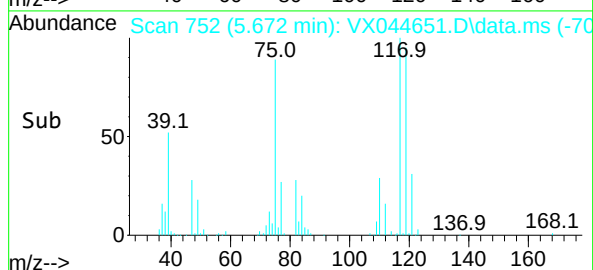
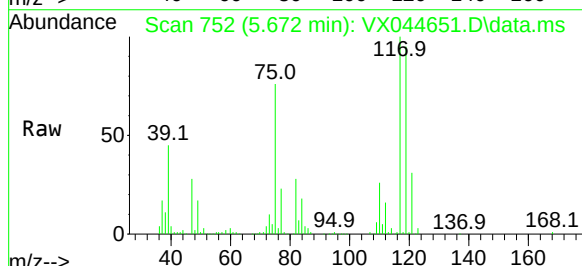
Tgt Ion:117 Resp: 161882

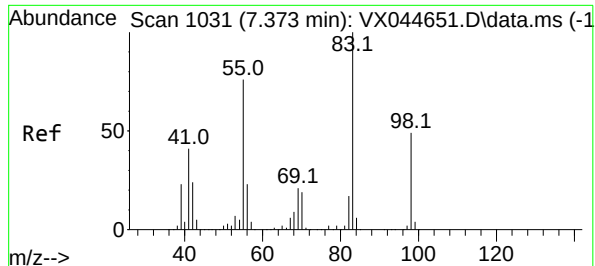
Ion Ratio Lower Upper

117 100

119 95.0 76.0 114.0

121 30.7 24.6 36.8





#39

Methylcyclohexane

Concen: 46.929 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 193759

Ion Ratio Lower Upper

83 100

55 75.6 60.5 90.7

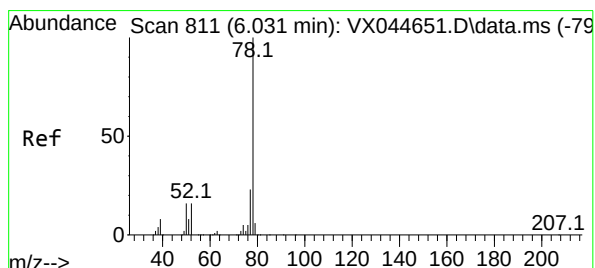
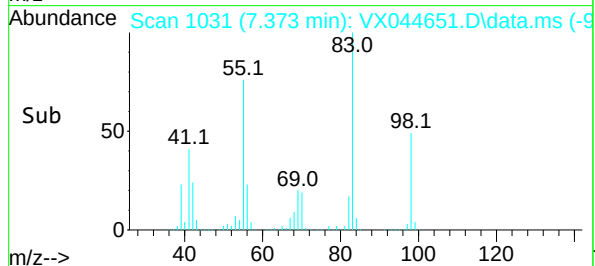
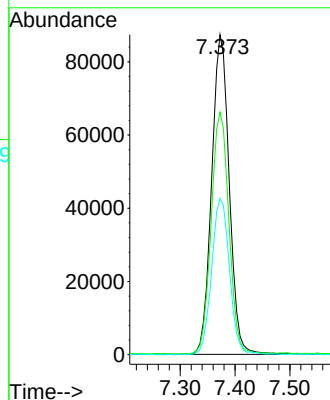
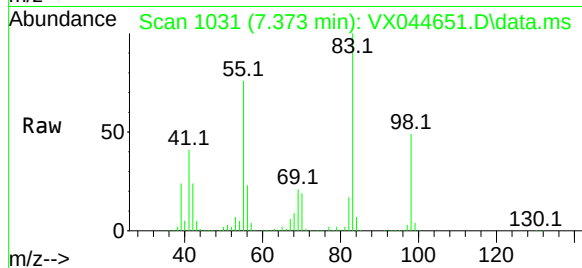
98 48.7 39.0 58.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#40

Benzene

Concen: 47.670 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044651.D

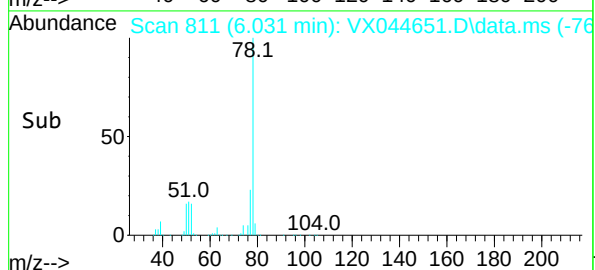
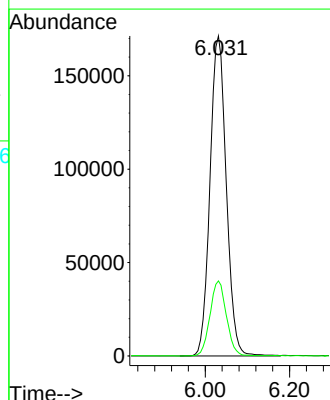
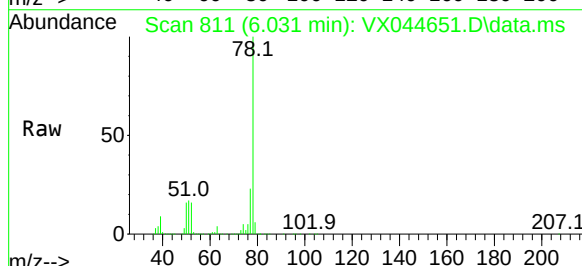
Acq: 15 Jan 2025 12:02

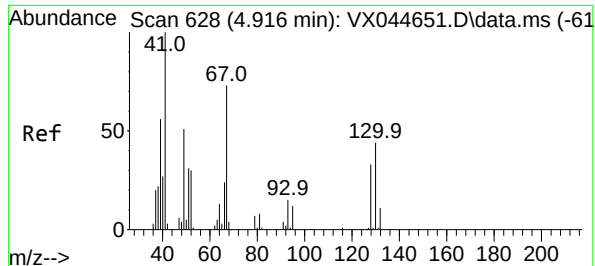
Tgt Ion: 78 Resp: 459433

Ion Ratio Lower Upper

78 100

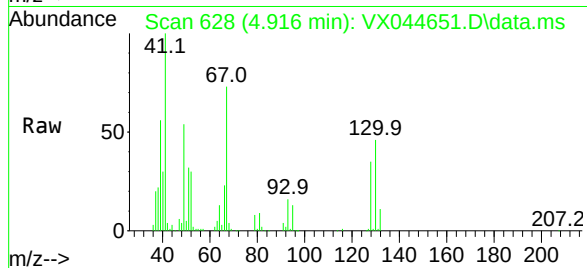
77 23.4 18.7 28.1





#41
Methacrylonitrile
Concen: 47.017 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

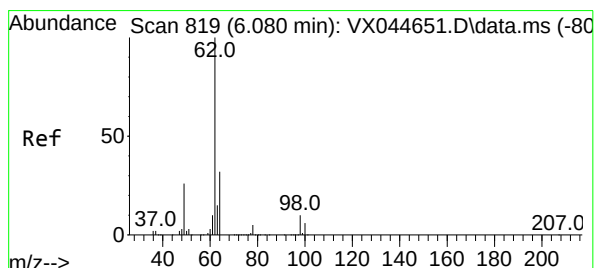
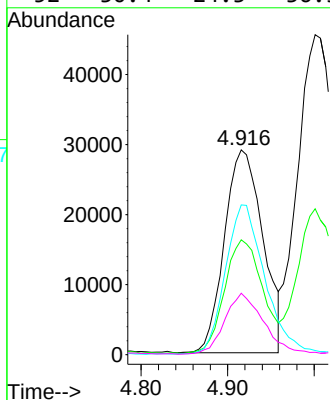
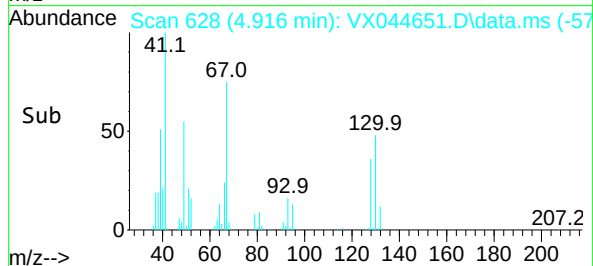
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 41 Resp: 89498
Ion Ratio Lower Upper
41 100
39 55.5 44.4 66.6
67 75.7 60.6 90.8
52 30.4 24.3 36.5

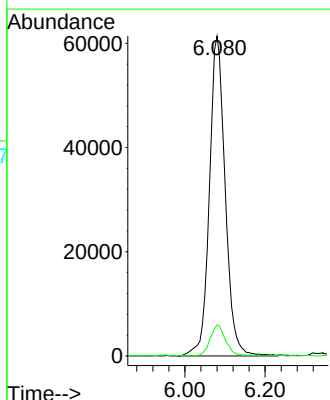
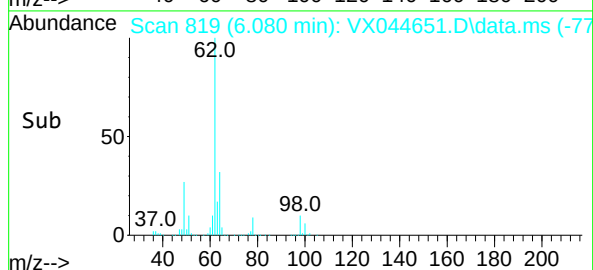
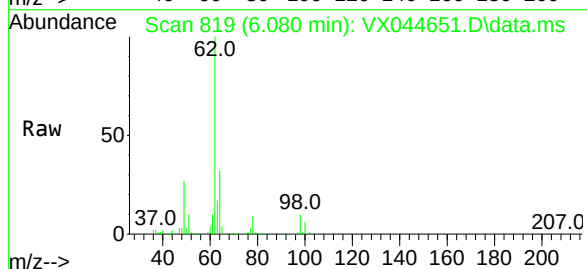
Manual Integrations
APPROVED

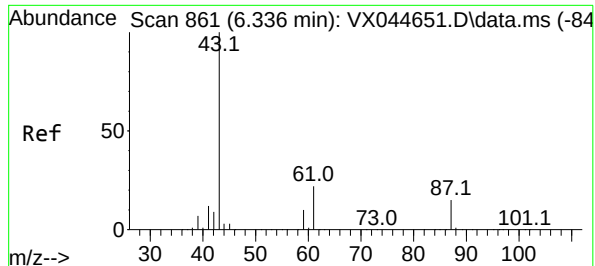
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#42
1,2-Dichloroethane
Concen: 47.725 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

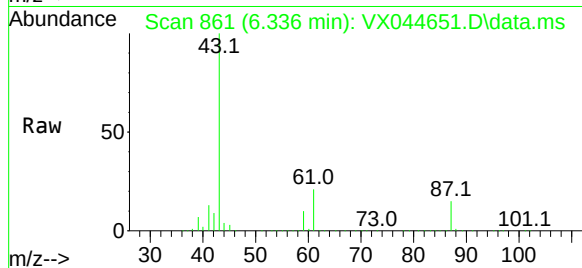
Tgt Ion: 62 Resp: 167878
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.4





#43
Isopropyl Acetate
Concen: 47.053 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

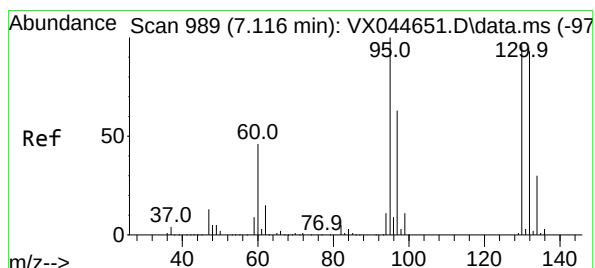
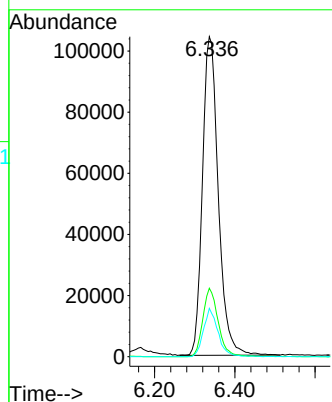
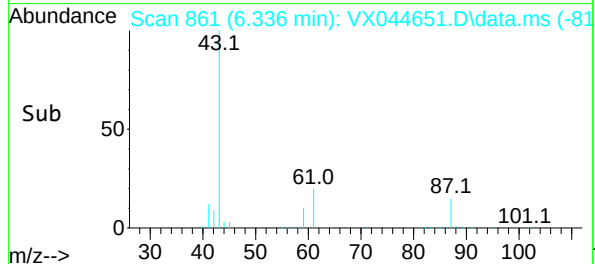
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 28669
Ion Ratio Lower Upper
43 100
61 20.7 16.6 24.8
87 13.8 11.0 16.6

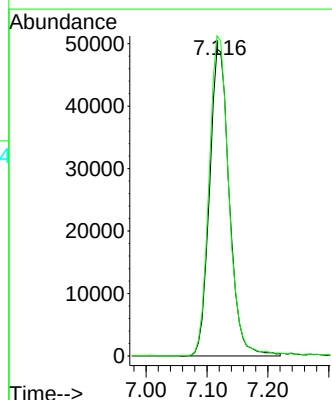
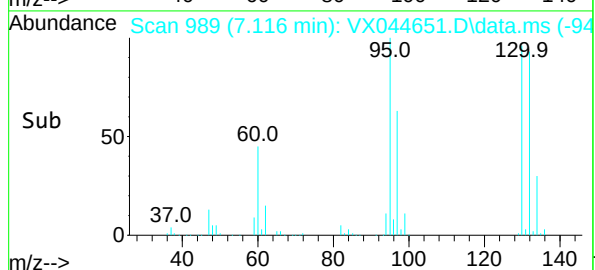
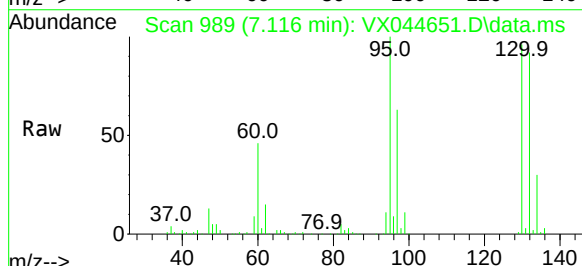
Manual Integrations
APPROVED

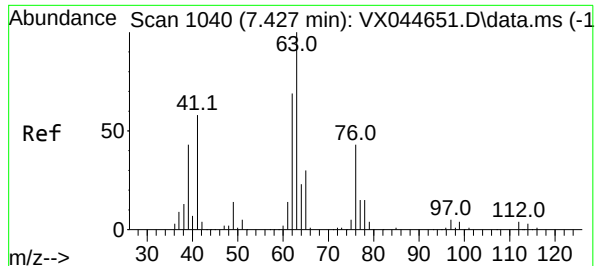
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#44
Trichloroethene
Concen: 47.956 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:130 Resp: 111112
Ion Ratio Lower Upper
130 100
95 104.1 0.0 208.2





#45

1,2-Dichloropropane

Concen: 47.660 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 11562

Ion Ratio Lower Upper

63 100

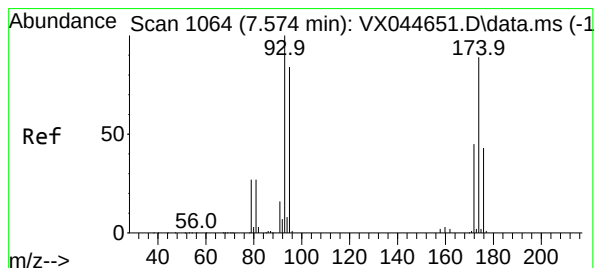
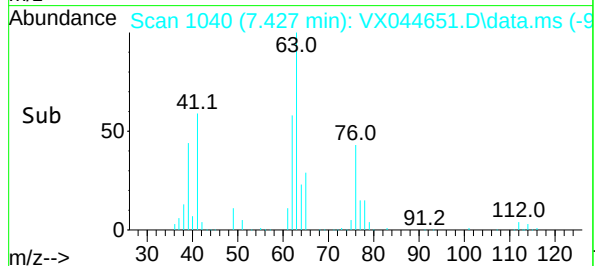
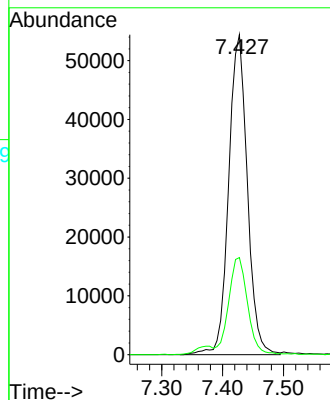
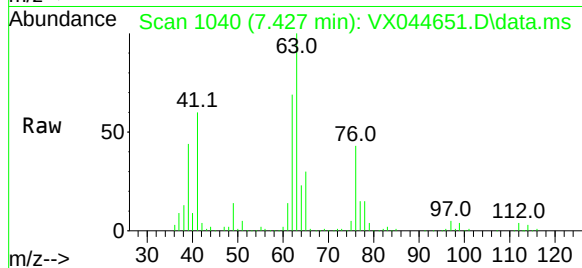
65 30.2 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#46

Dibromomethane

Concen: 46.813 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

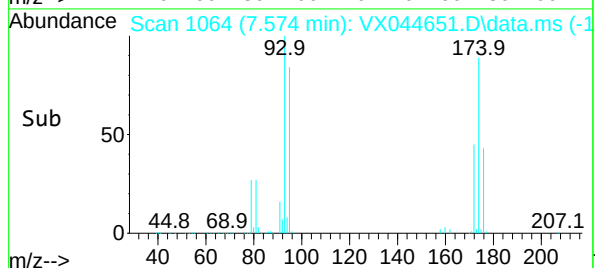
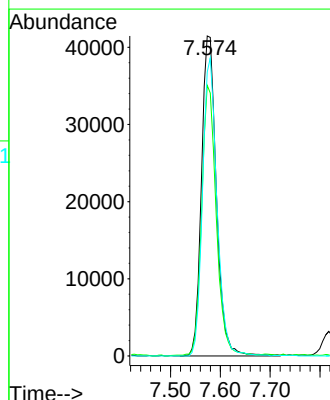
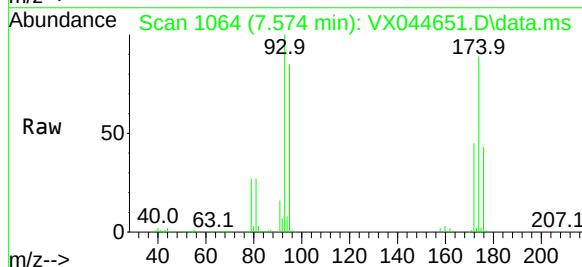
Tgt Ion: 93 Resp: 86455

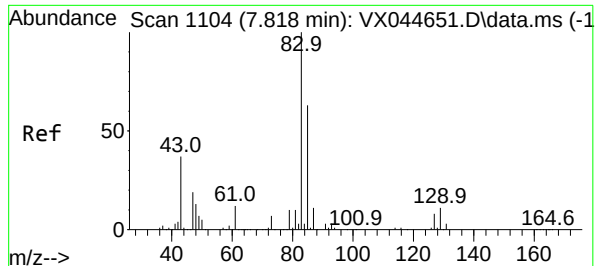
Ion Ratio Lower Upper

93 100

95 83.0 66.4 99.6

174 90.0 72.0 108.0





#47

Bromodichloromethane

Concen: 47.138 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 17853

Ion Ratio Lower Upper

83 100

85 62.6 50.1 75.1

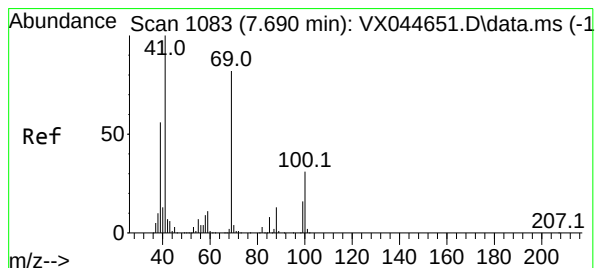
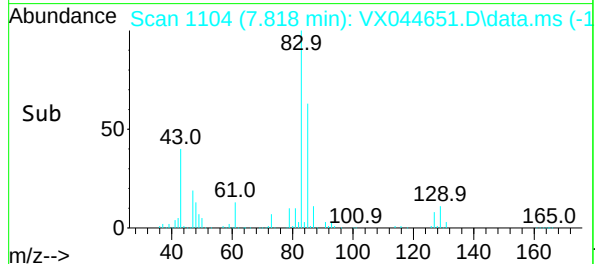
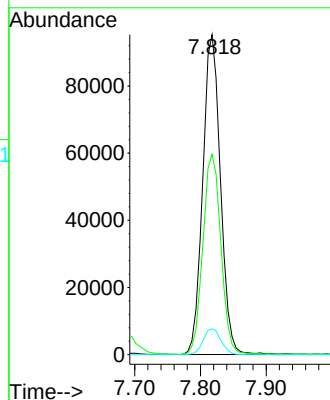
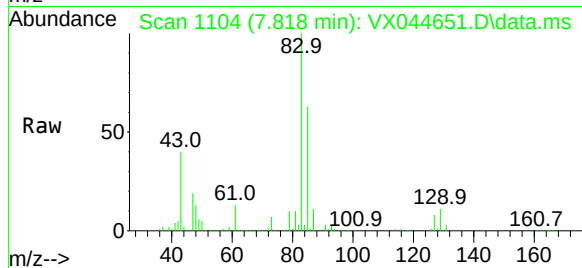
127 8.1 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#48

Methyl methacrylate

Concen: 49.659 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

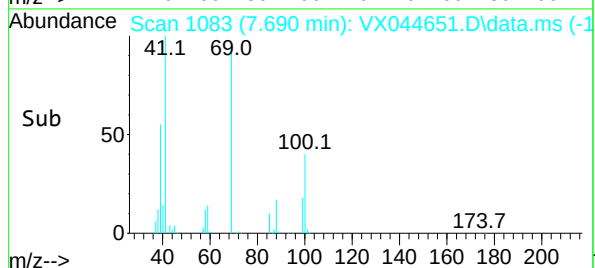
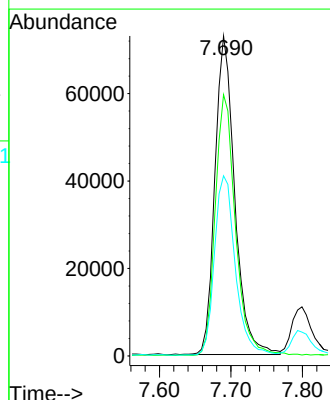
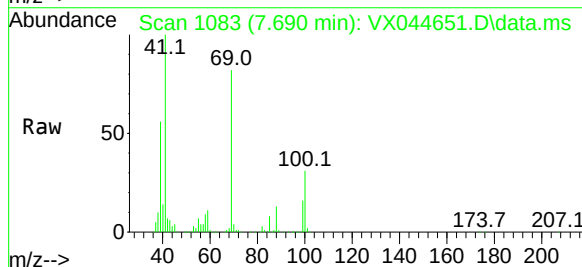
Tgt Ion: 41 Resp: 140450

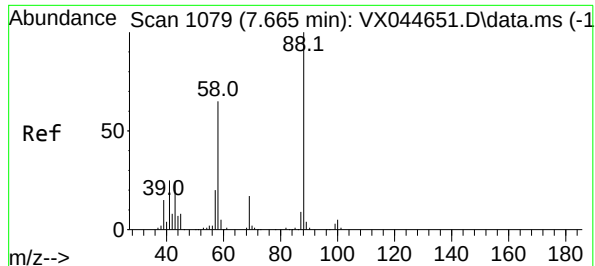
Ion Ratio Lower Upper

41 100

69 83.5 66.8 100.2

39 59.2 47.4 71.0





#49

1,4-Dioxane

Concen: 943.583 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

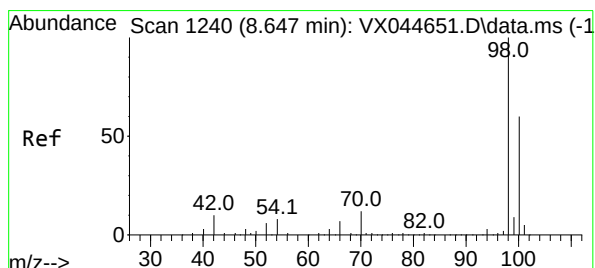
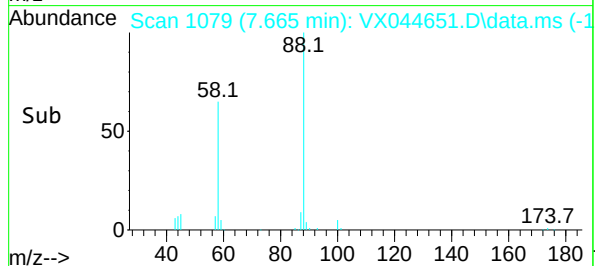
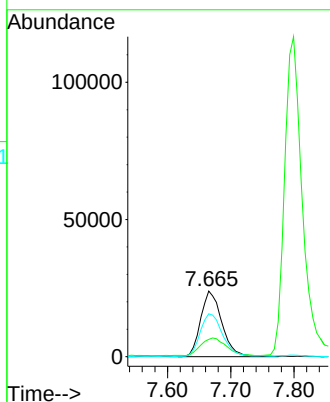
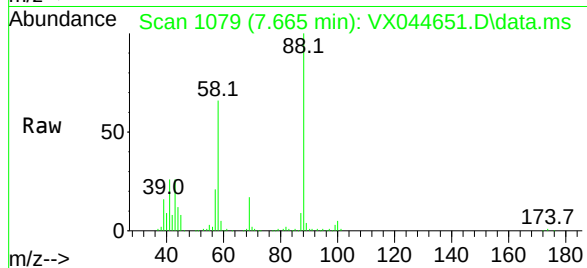
Tgt Ion:	88	Resp:	55679
Ion	Ratio	Lower	Upper
88	100		
43	33.7	27.0	40.4
58	69.8	55.8	83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#50

Toluene-d8

Concen: 50.145 ug/l

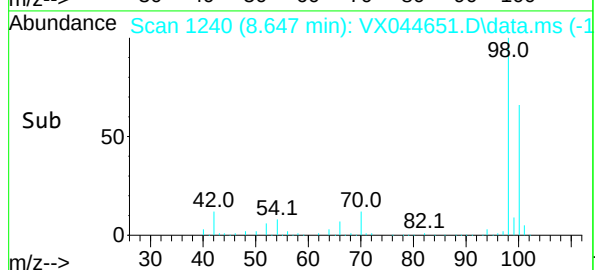
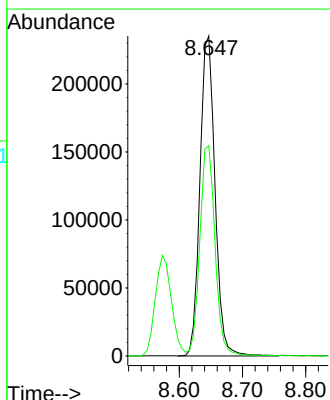
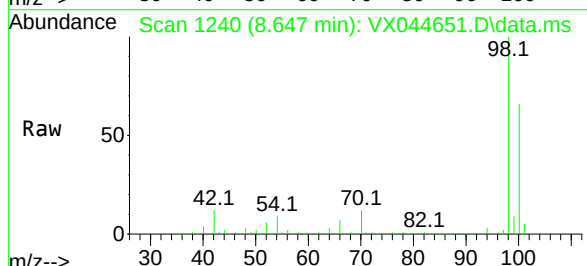
RT: 8.647 min Scan# 1240

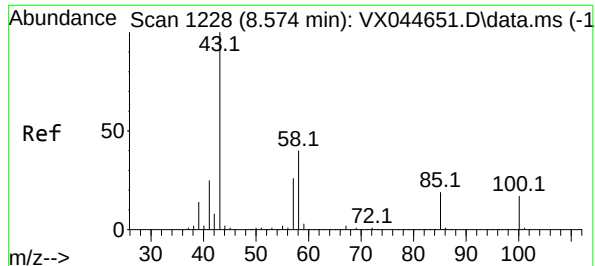
Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Tgt Ion:	98	Resp:	390660
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.2	79.8





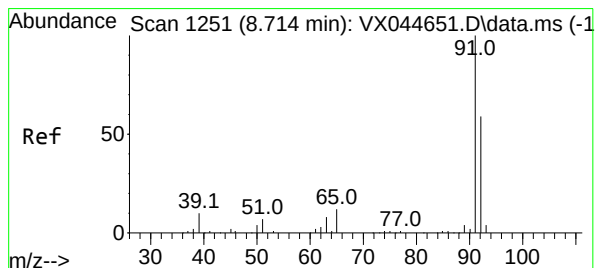
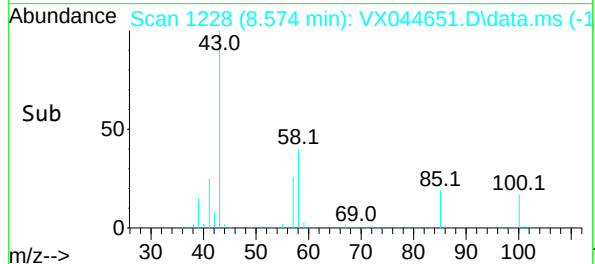
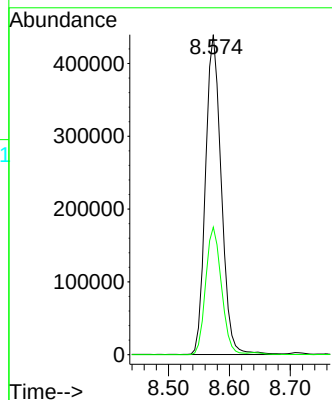
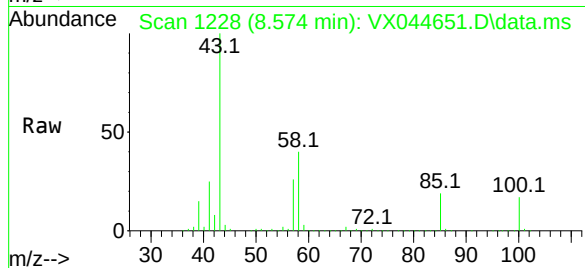
#51
4-Methyl-2-Pentanone
Concen: 234.662 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 790152
Ion Ratio Lower Upper
43 100
58 39.9 31.9 47.9

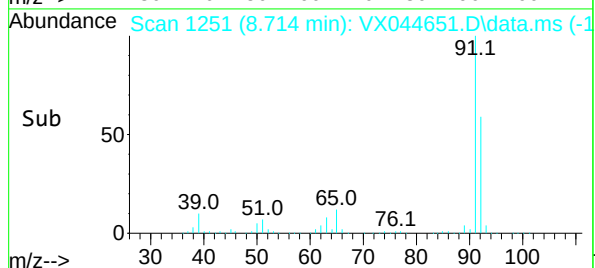
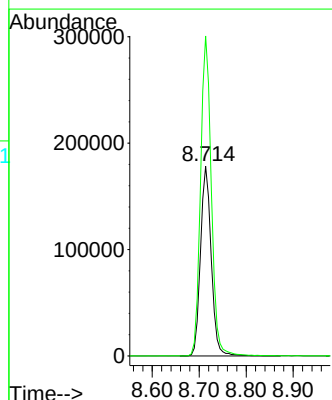
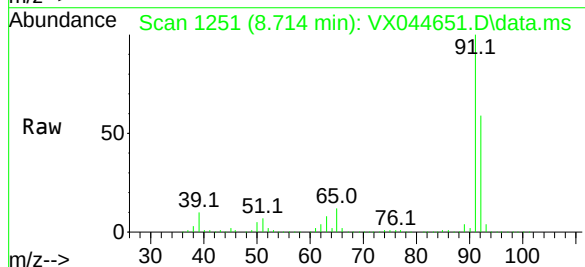
Manual Integrations
APPROVED

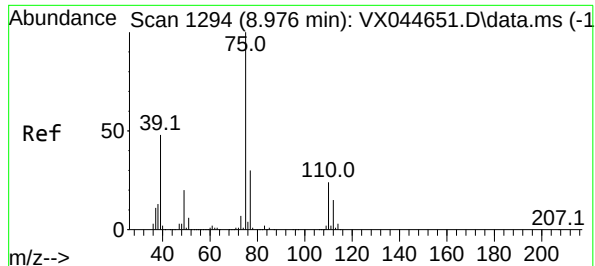
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#52
Toluene
Concen: 48.001 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 92 Resp: 283156
Ion Ratio Lower Upper
92 100
91 169.6 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 49.036 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 191870

Ion Ratio Lower Upper

75 100

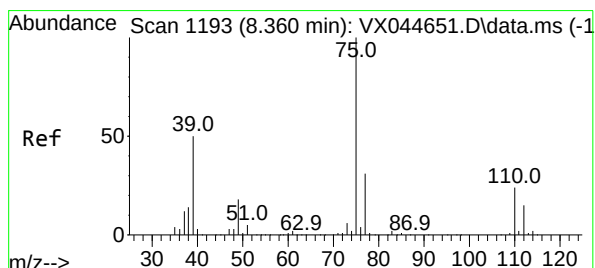
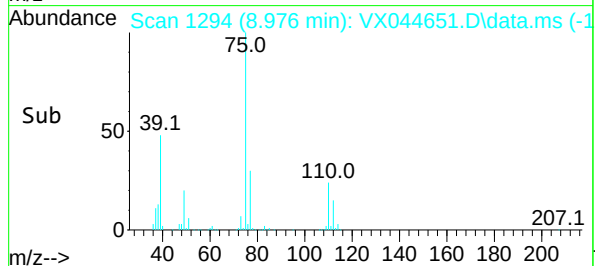
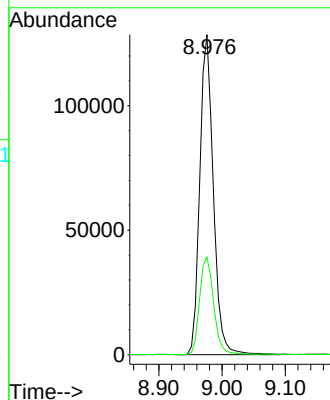
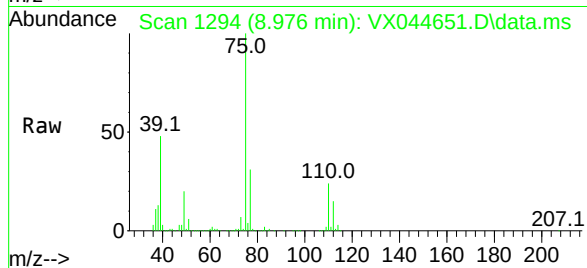
77 30.5 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#54

cis-1,3-Dichloropropene

Concen: 47.563 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

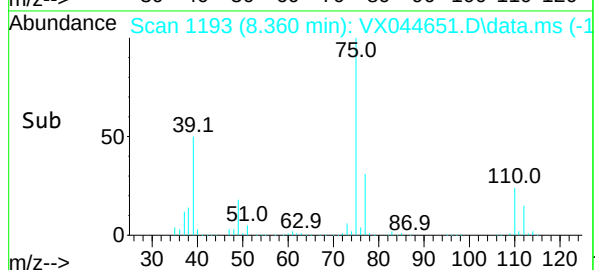
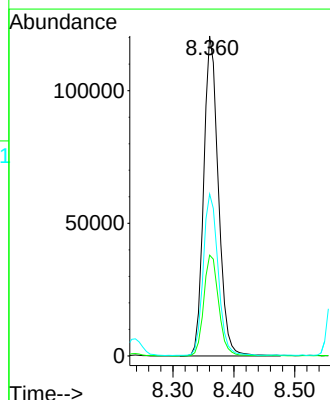
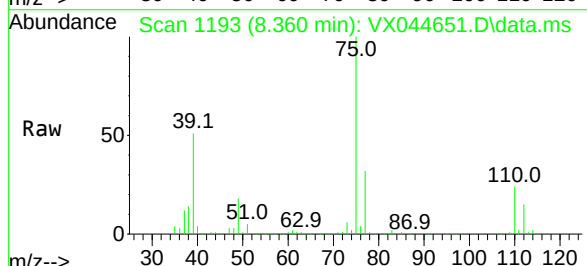
Tgt Ion: 75 Resp: 201804

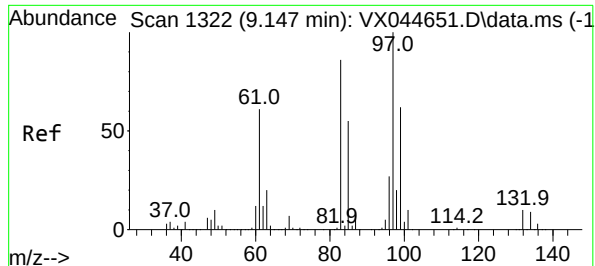
Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 50.4 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 47.043 ug/l

RT: 9.147 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 112274

Ion Ratio Lower Upper

97 100

83 86.0 68.8 103.2

85 54.6 43.7 65.5

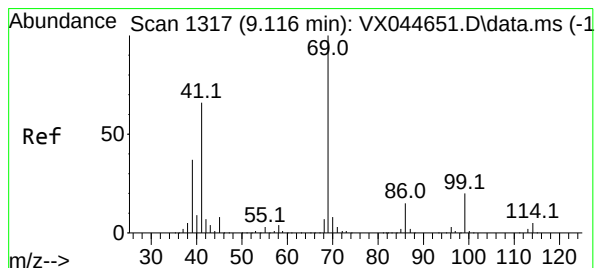
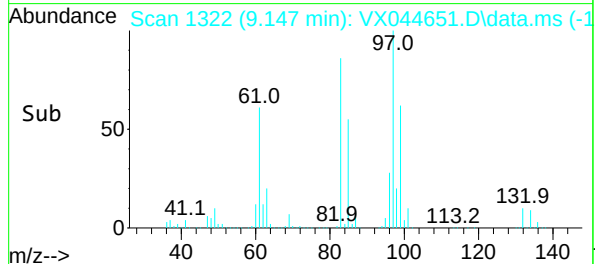
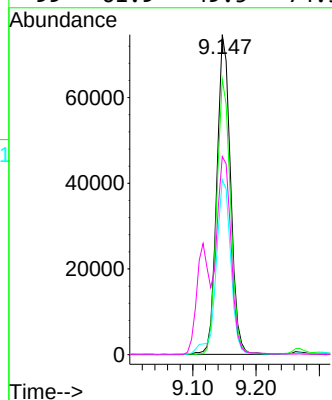
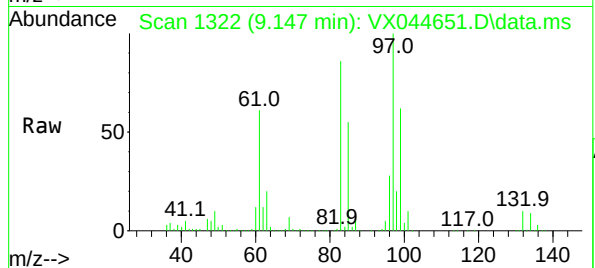
99 61.9 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#56

Ethyl methacrylate

Concen: 48.353 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

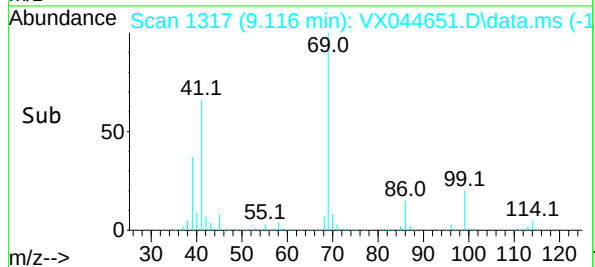
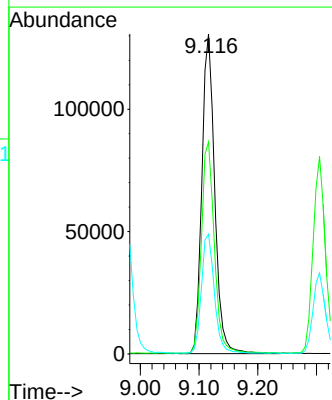
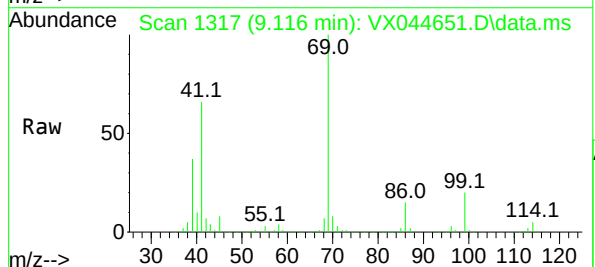
Tgt Ion: 69 Resp: 198422

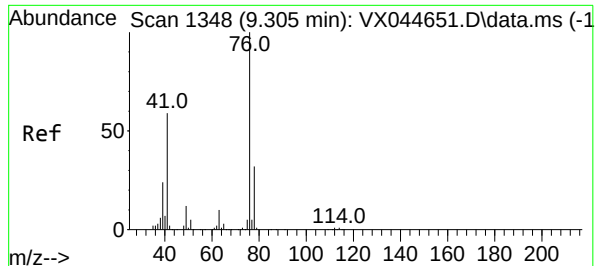
Ion Ratio Lower Upper

69 100

41 66.5 53.2 79.8

39 37.7 30.2 45.2





#57

1,3-Dichloropropane

Concen: 48.025 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 19518

Ion Ratio Lower Upper

76 100

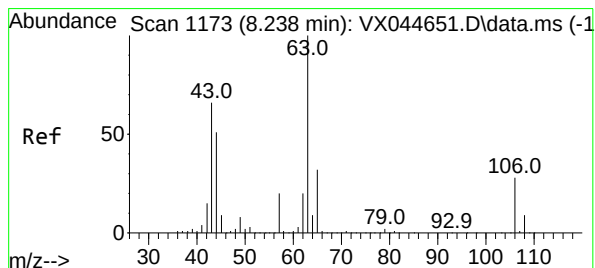
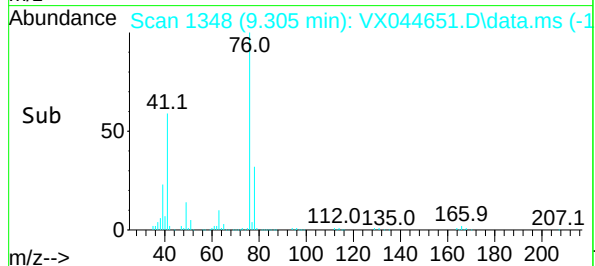
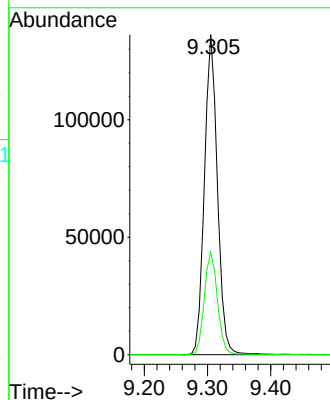
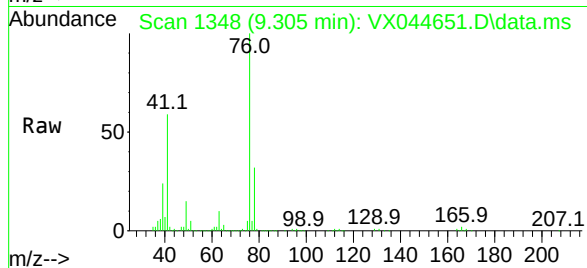
78 32.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#58

2-Chloroethyl Vinyl ether

Concen: 238.018 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044651.D

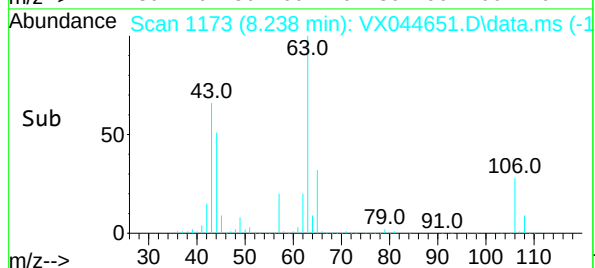
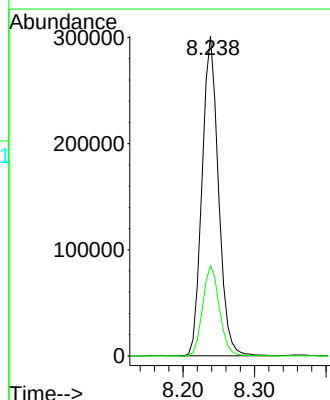
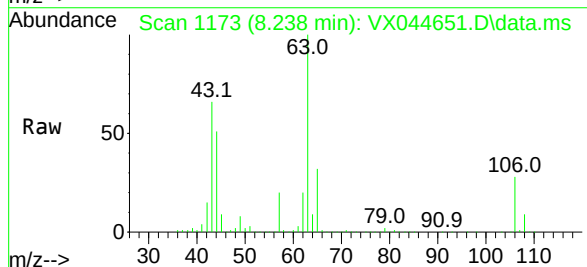
Acq: 15 Jan 2025 12:02

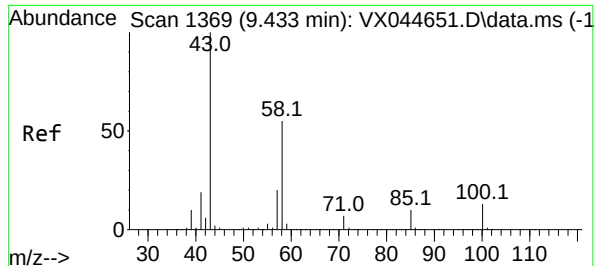
Tgt Ion: 63 Resp: 479521

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6





#59

2-Hexanone

Concen: 234.142 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 580029

Ion Ratio Lower Upper

43 100

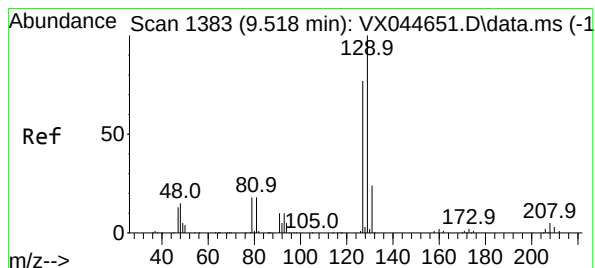
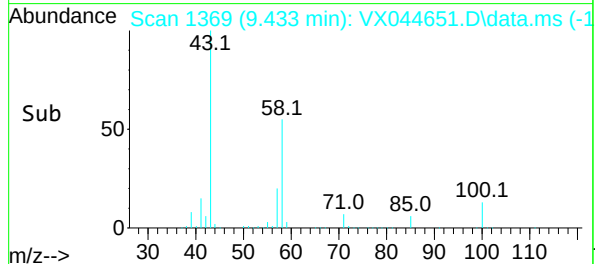
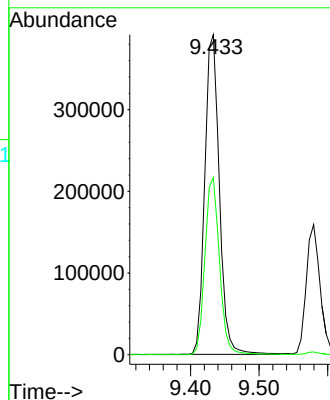
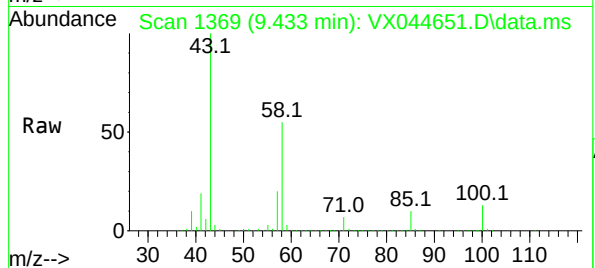
58 55.5 27.8 83.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#60

Dibromochloromethane

Concen: 47.816 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044651.D

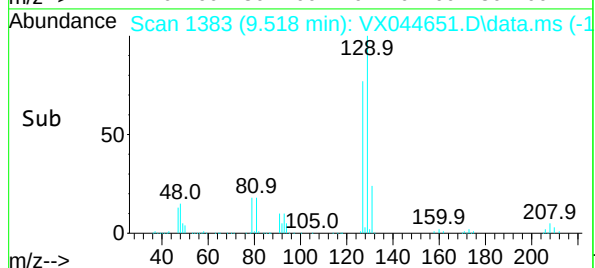
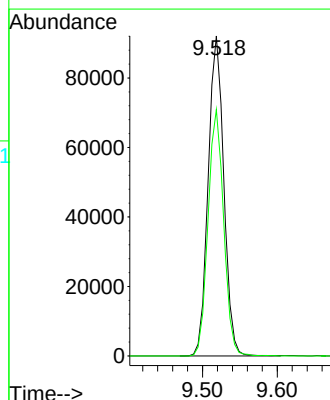
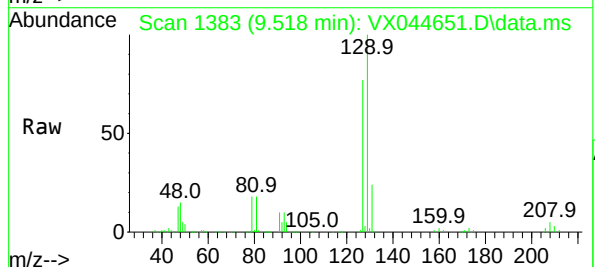
Acq: 15 Jan 2025 12:02

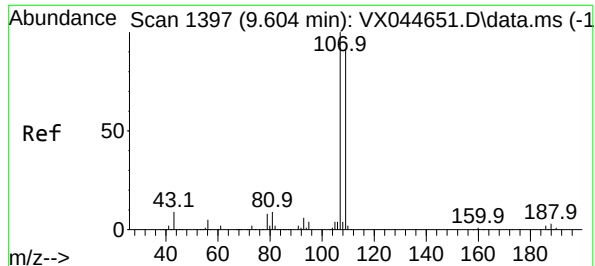
Tgt Ion:129 Resp: 133941

Ion Ratio Lower Upper

129 100

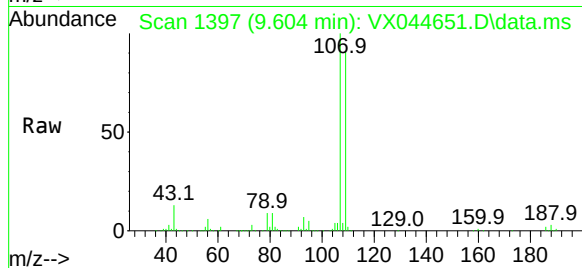
127 77.0 38.5 115.5





#61
1,2-Dibromoethane
Concen: 47.331 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

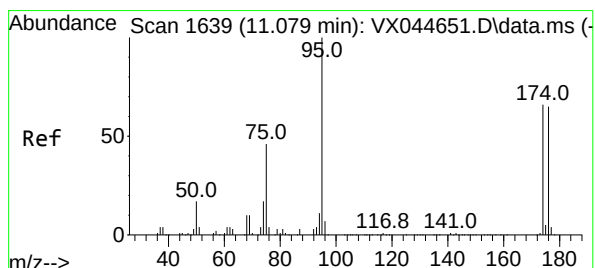
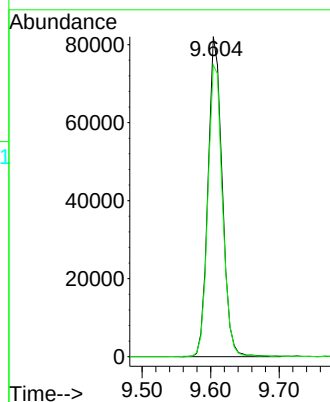
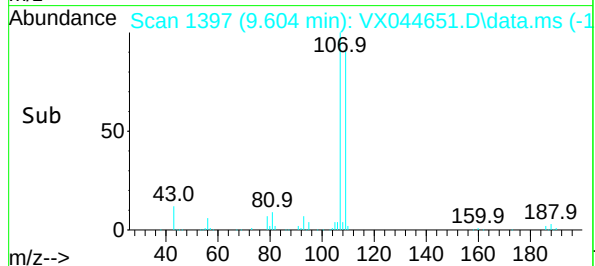
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:107 Resp: 11838
Ion Ratio Lower Upper
107 100
109 94.1 75.3 112.9

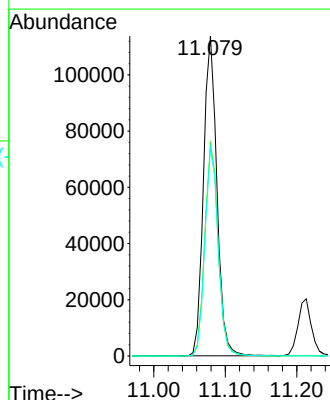
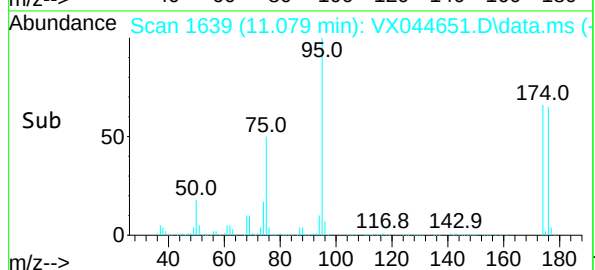
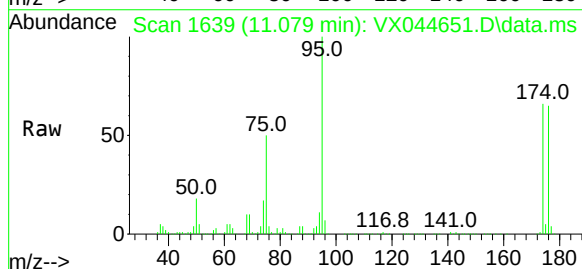
Manual Integrations
APPROVED

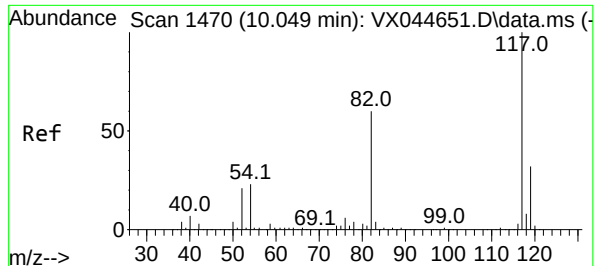
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#62
4-Bromofluorobenzene
Concen: 51.037 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

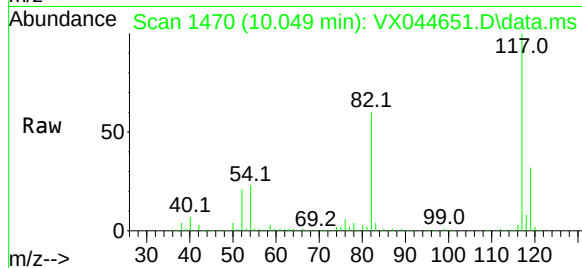
Tgt Ion: 95 Resp: 148223
Ion Ratio Lower Upper
95 100
174 66.5 0.0 133.0
176 64.7 0.0 129.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

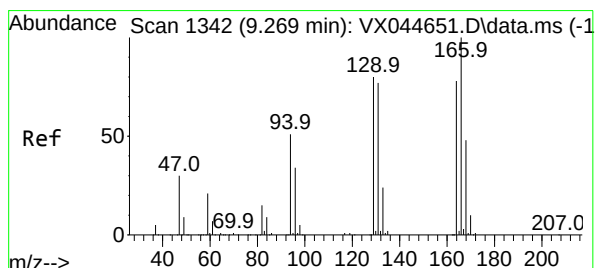
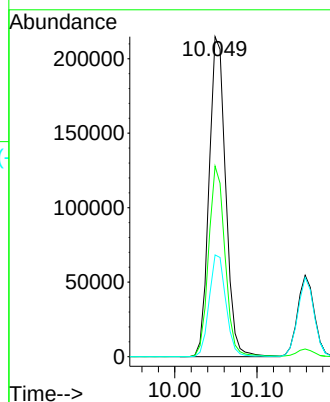
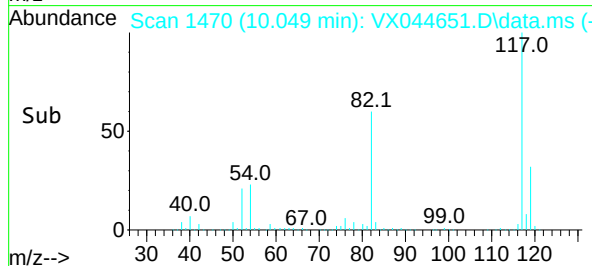
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:117 Resp: 30114
Ion Ratio Lower Upper
117 100
82 59.5 47.6 71.4
119 31.8 25.4 38.2

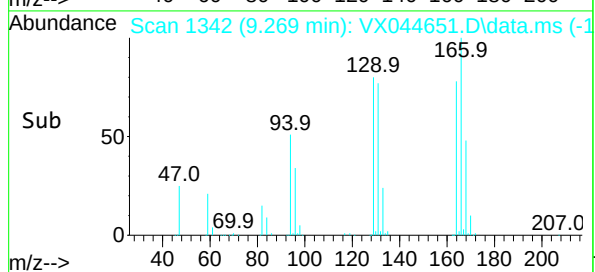
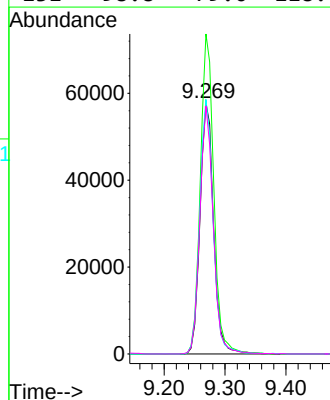
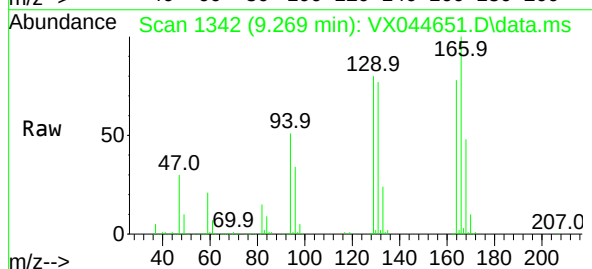
Manual Integrations
APPROVED

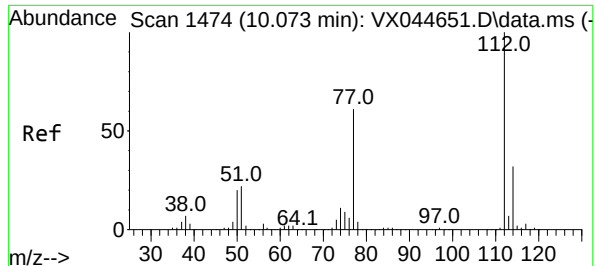
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#64
Tetrachloroethene
Concen: 47.145 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

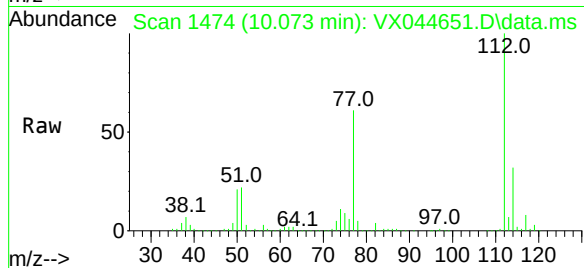
Tgt Ion:164 Resp: 89149
Ion Ratio Lower Upper
164 100
166 127.5 102.0 153.0
129 101.4 81.1 121.7
131 98.8 79.0 118.6





#65
Chlorobenzene
Concen: 47.474 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

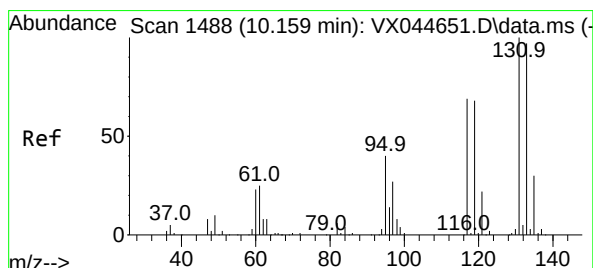
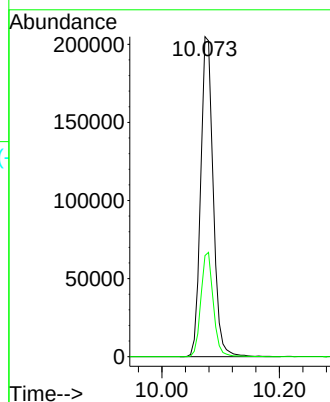
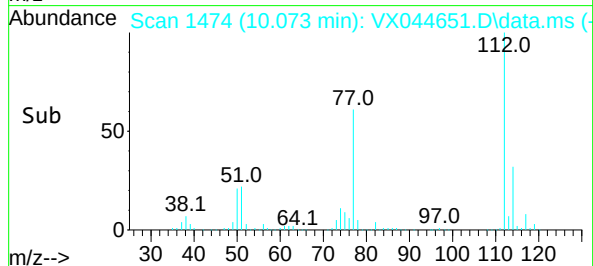
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:112 Resp: 303658
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

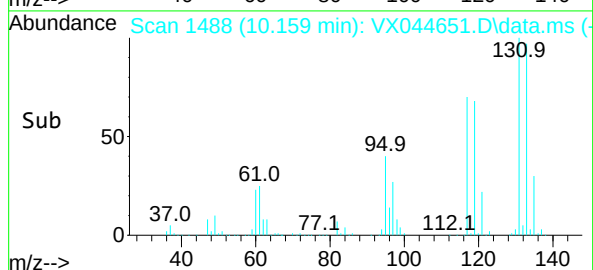
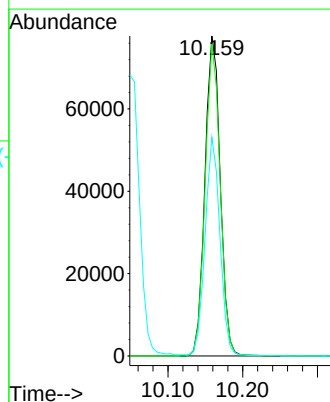
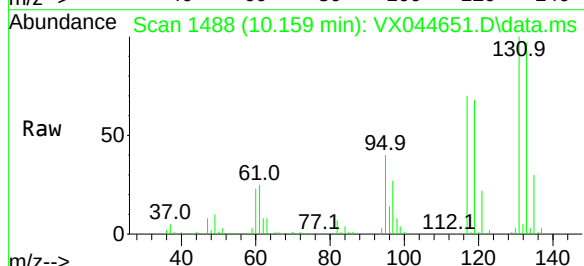
Manual Integrations
APPROVED

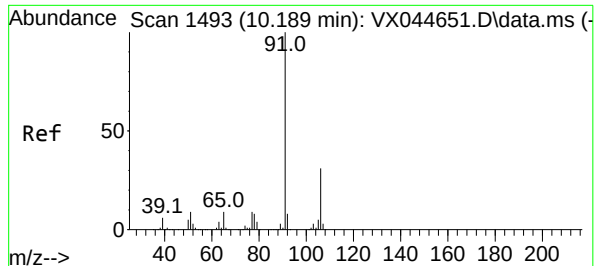
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 47.490 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:131 Resp: 110395
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 66.8 33.4 100.2





#67

Ethyl Benzene

Concen: 48.000 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 535714

Ion Ratio Lower Upper

91 100

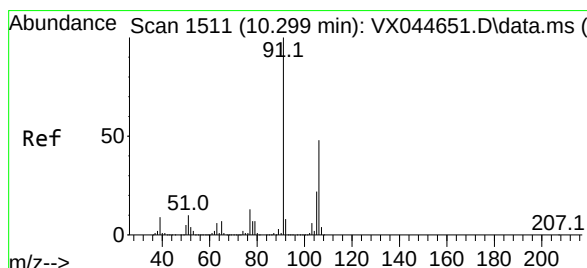
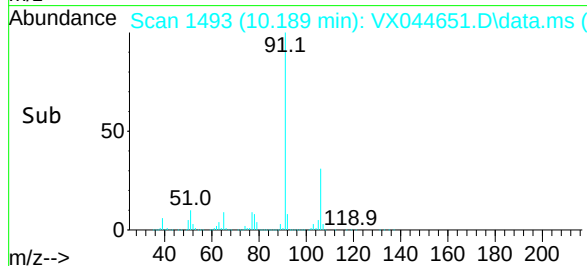
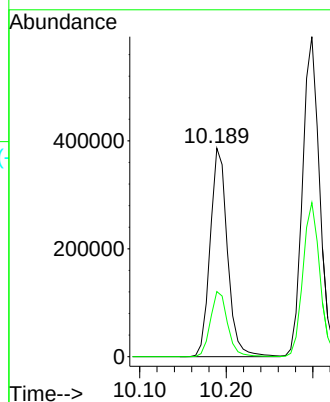
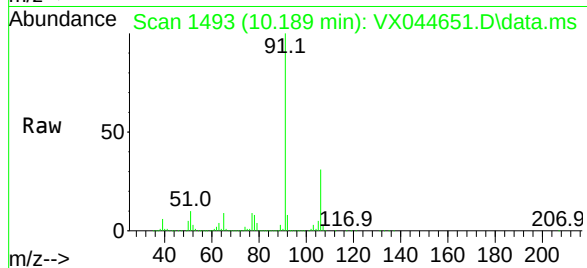
106 31.3 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#68

m/p-Xylenes

Concen: 95.393 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044651.D

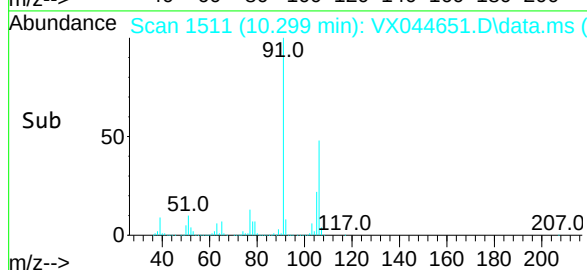
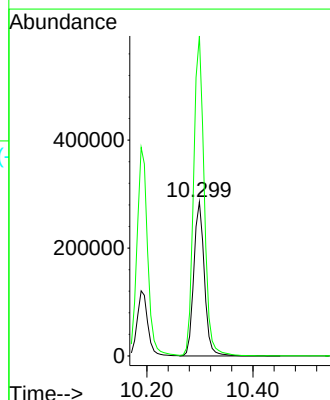
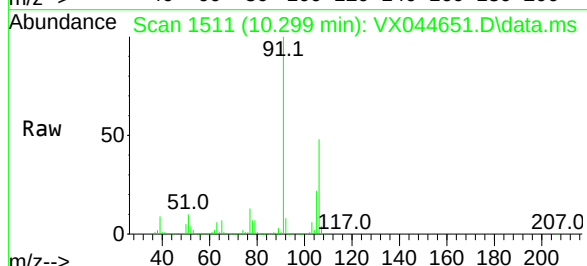
Acq: 15 Jan 2025 12:02

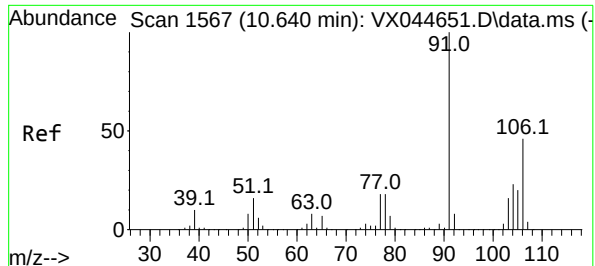
Tgt Ion:106 Resp: 395084

Ion Ratio Lower Upper

106 100

91 208.0 166.4 249.6





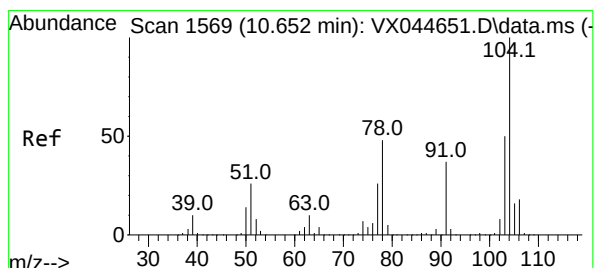
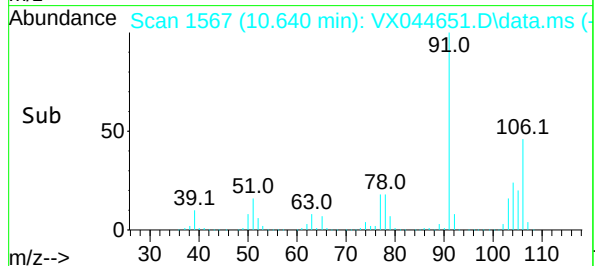
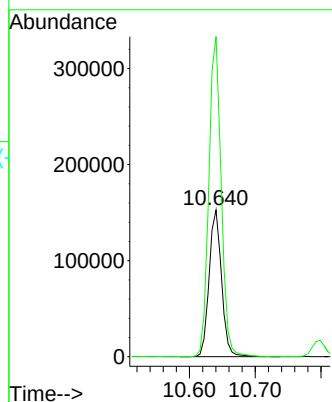
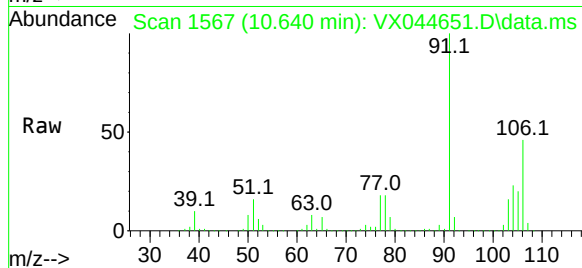
#69
o-Xylene
Concen: 47.845 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 200390
Ion Ratio Lower Upper
106 100
91 217.5 108.7 326.3

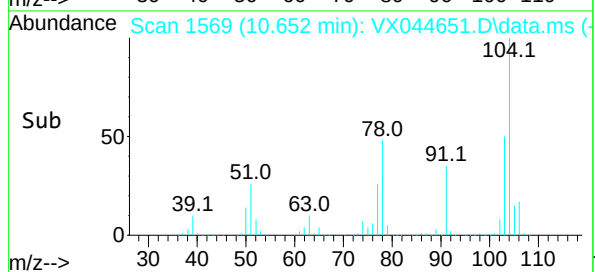
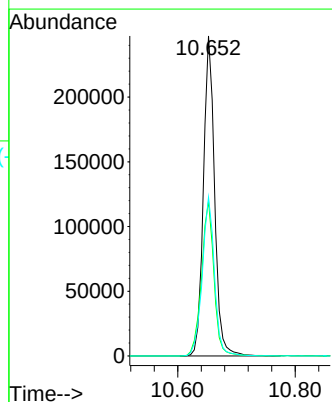
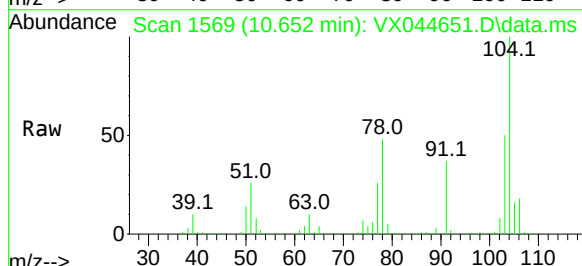
Manual Integrations
APPROVED

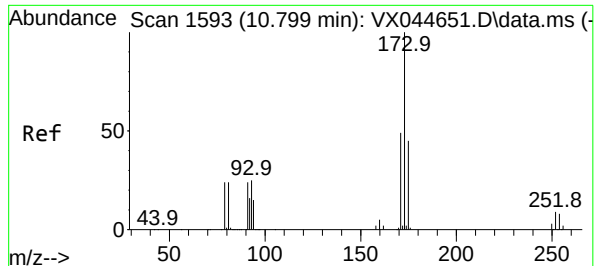
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#70
Styrene
Concen: 48.481 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

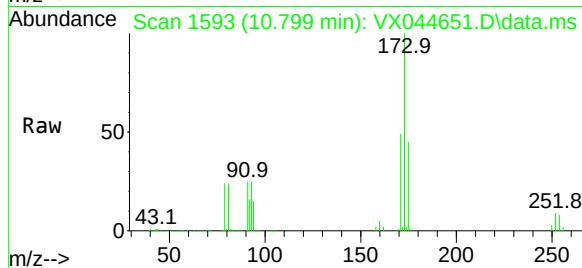
Tgt Ion:104 Resp: 327844
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.6
103 54.3 43.4 65.2





#71
Bromoform
Concen: 48.011 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

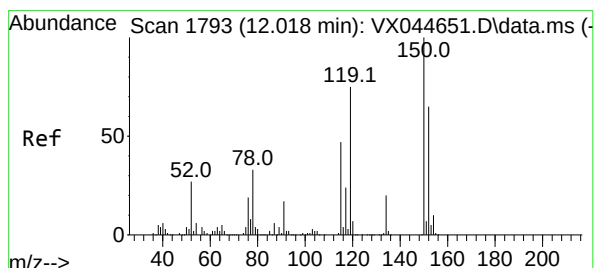
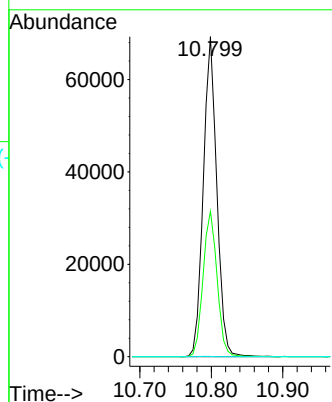
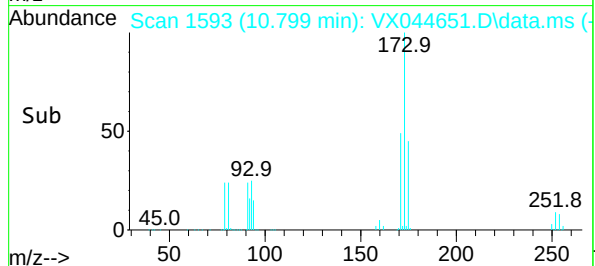
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:173 Resp: 9083
Ion Ratio Lower Upper
173 100
175 47.2 23.6 70.8
254 0.1 0.1 0.1

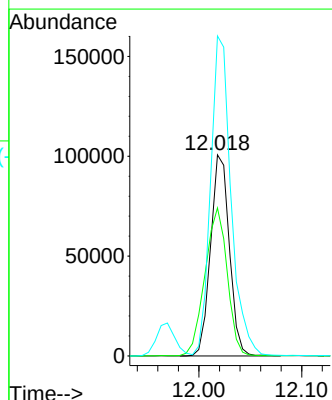
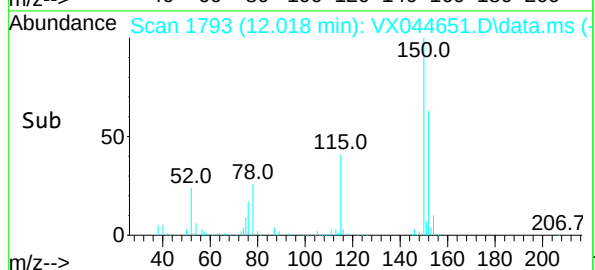
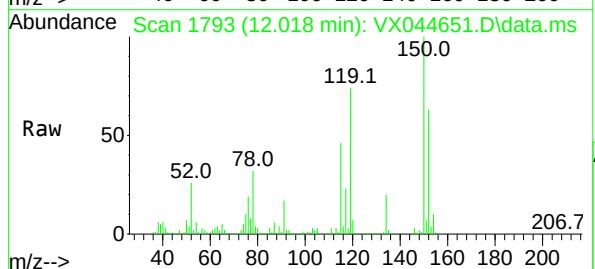
Manual Integrations
APPROVED

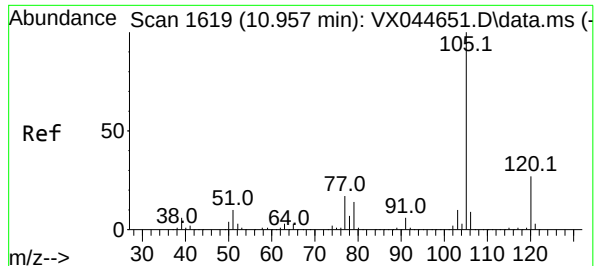
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:152 Resp: 127832
Ion Ratio Lower Upper
152 100
115 87.6 43.8 131.4
150 173.9 0.0 347.8





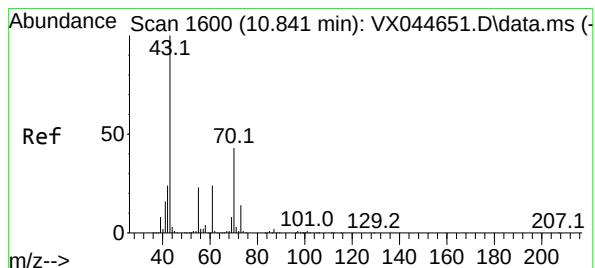
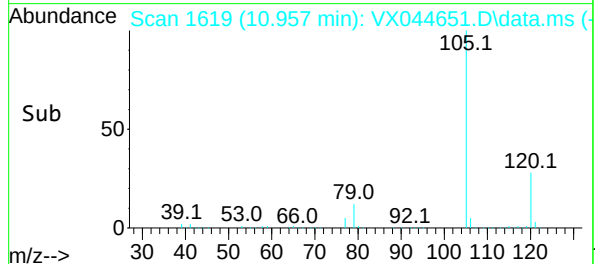
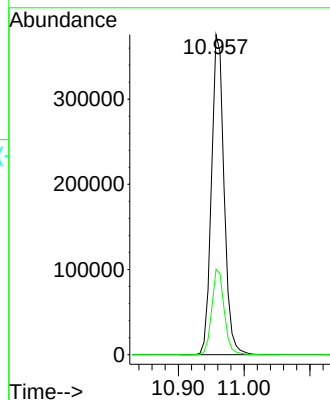
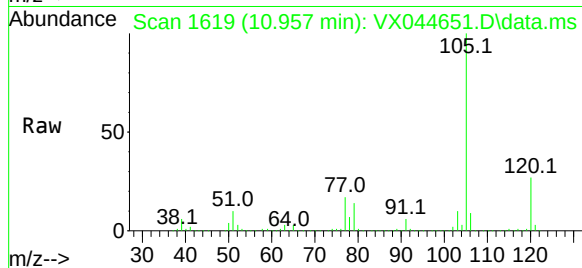
#73
Isopropylbenzene
Concen: 47.943 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 500669
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.6

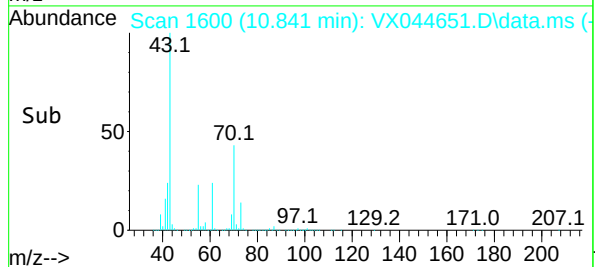
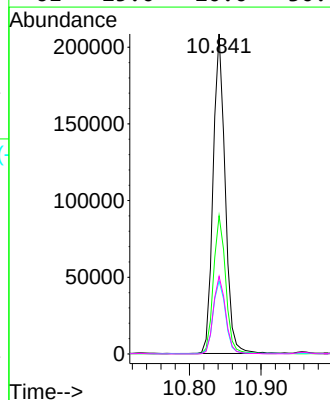
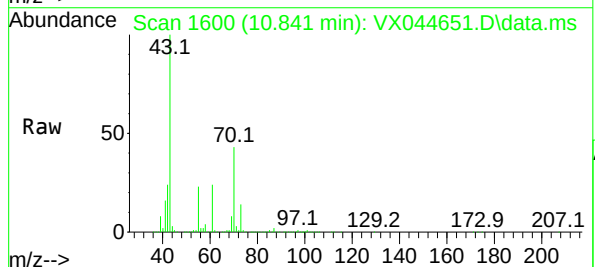
Manual Integrations
APPROVED

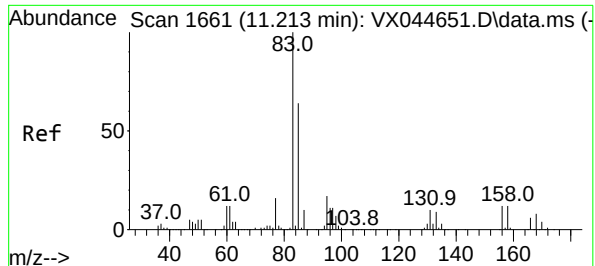
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#74
N-ethyl acetate
Concen: 47.188 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 43 Resp: 242893
Ion Ratio Lower Upper
43 100
70 44.0 35.2 52.8
55 23.7 19.0 28.4
61 25.0 20.0 30.0





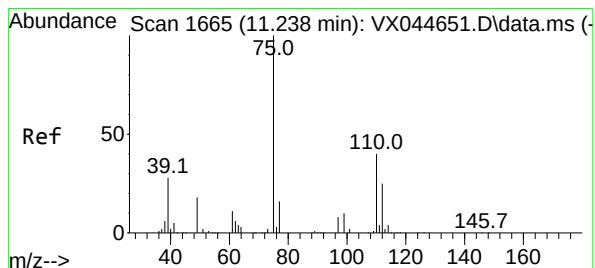
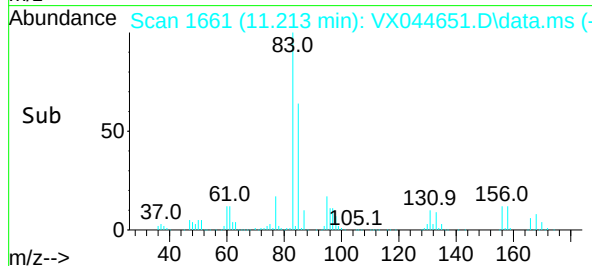
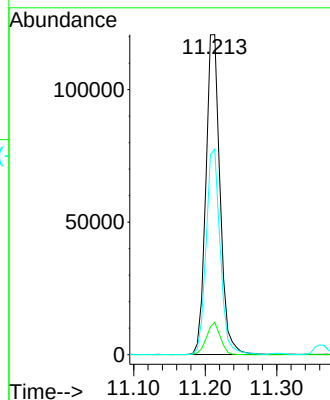
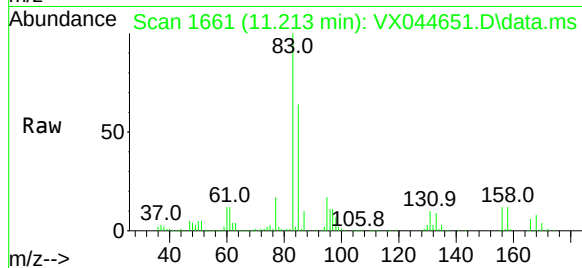
#75
1,1,2-Tetrachloroethane
Concen: 46.155 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 166468
Ion Ratio Lower Upper
83 100
131 9.9 5.0 14.9
85 64.1 32.0 96.2

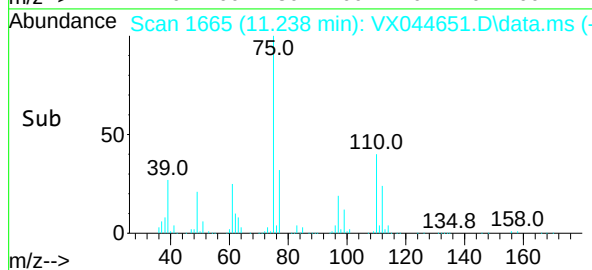
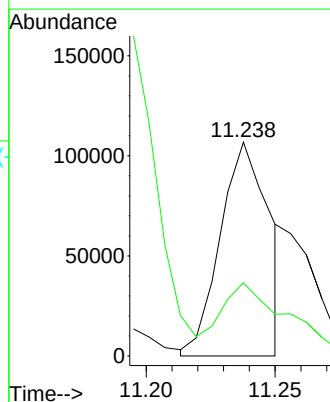
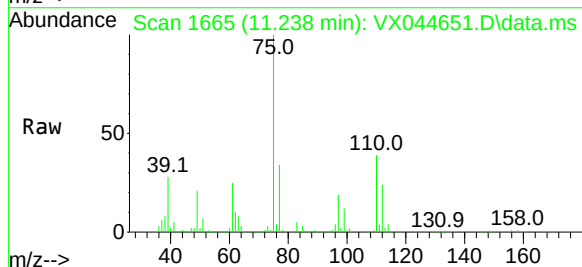
Manual Integrations
APPROVED

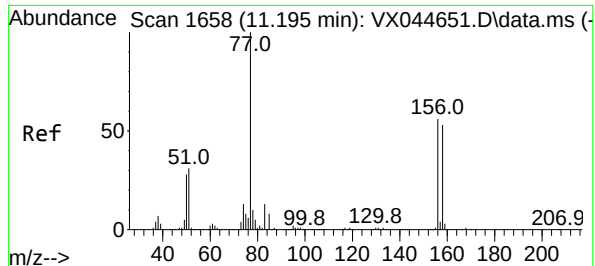
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#76
1,2,3-Trichloropropane
Concen: 46.648 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

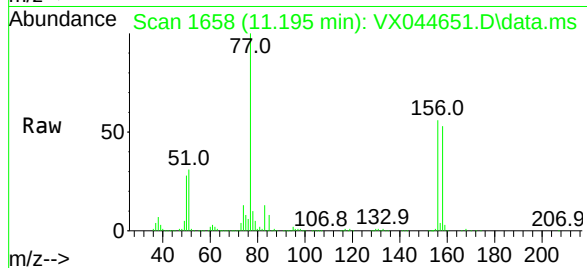
Tgt Ion: 75 Resp: 140834
Ion Ratio Lower Upper
75 100
77 46.8 23.4 70.2





#77
Bromobenzene
Concen: 47.268 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

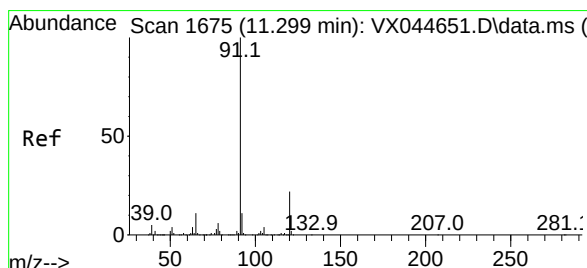
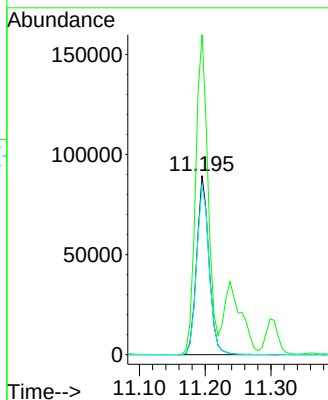
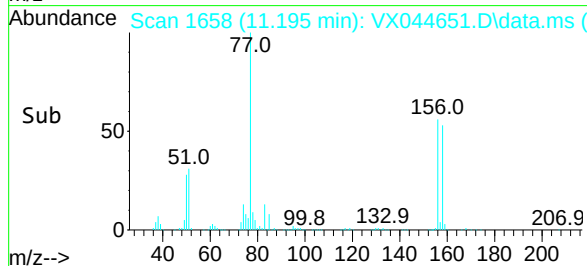
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 156 Resp: 11537
Ion Ratio Lower Upper
156 100
77 180.7 90.3 271.0
158 96.9 48.4 145.3

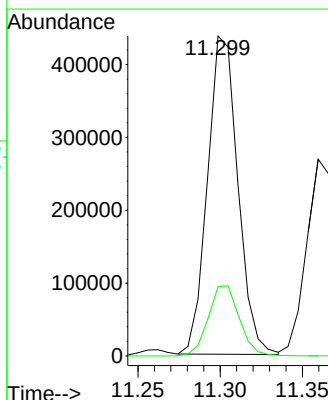
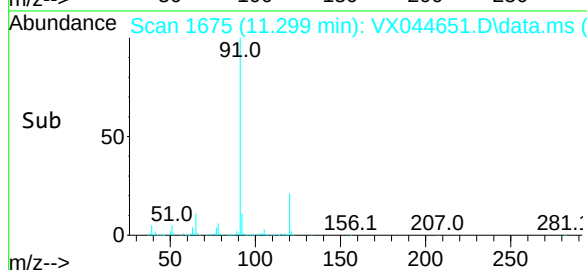
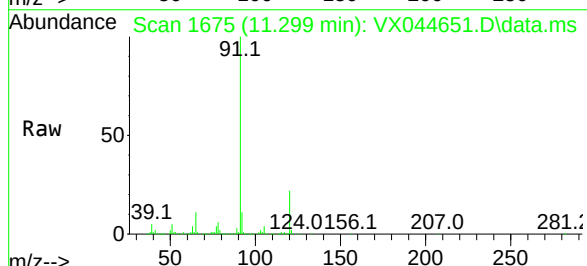
Manual Integrations
APPROVED

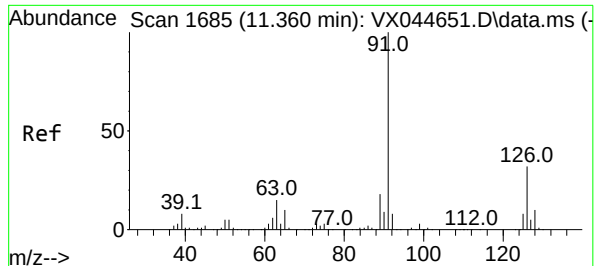
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#78
n-propylbenzene
Concen: 48.746 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 91 Resp: 561396
Ion Ratio Lower Upper
91 100
120 22.7 11.4 34.1





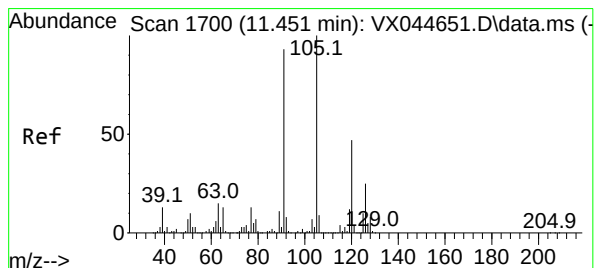
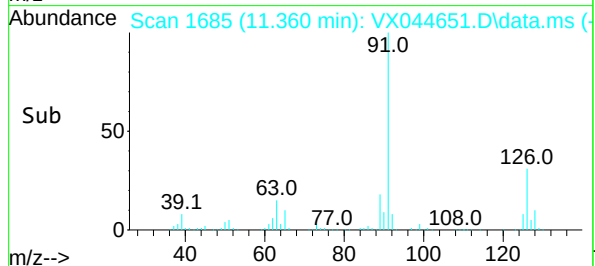
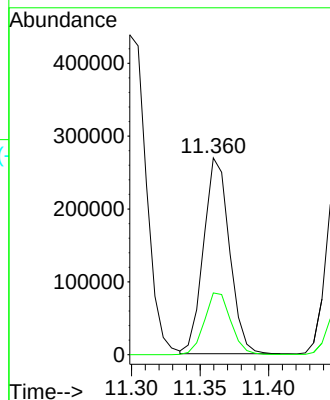
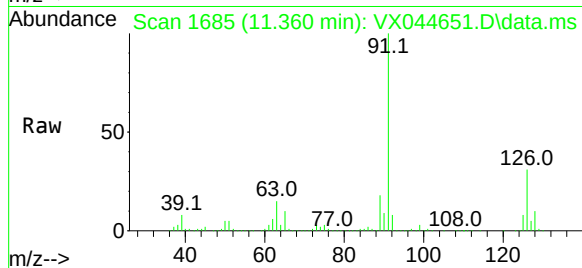
#79
2-Chlorotoluene
Concen: 47.474 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 353178
Ion Ratio Lower Upper
91 100
126 32.3 16.2 48.5

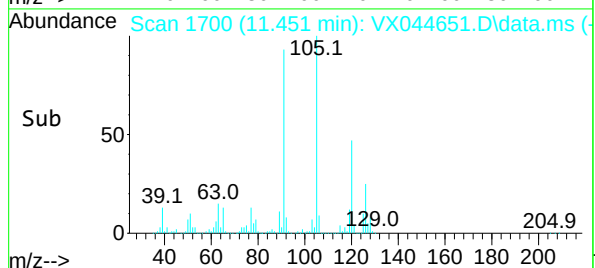
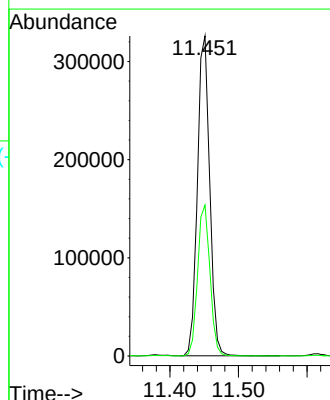
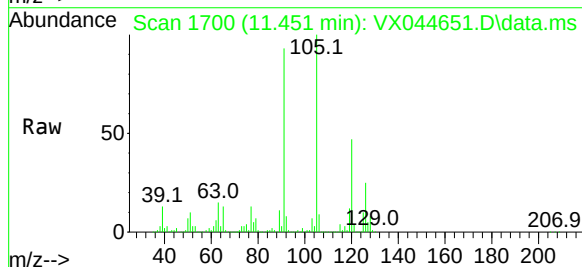
Manual Integrations
APPROVED

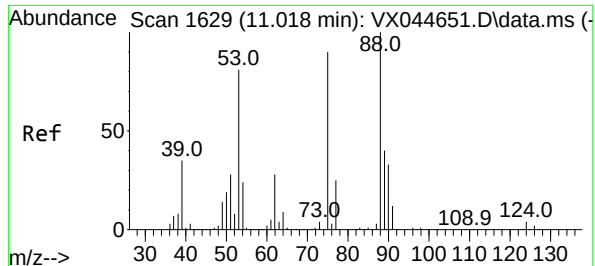
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#80
1,3,5-Trimethylbenzene
Concen: 47.918 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

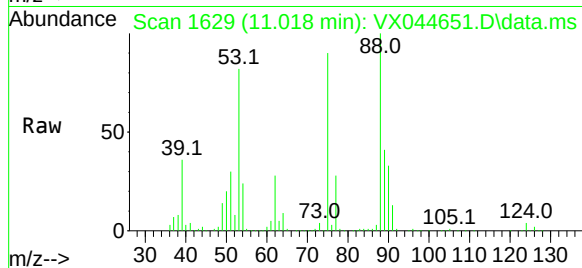
Tgt Ion:105 Resp: 407362
Ion Ratio Lower Upper
105 100
120 47.4 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 48.266 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

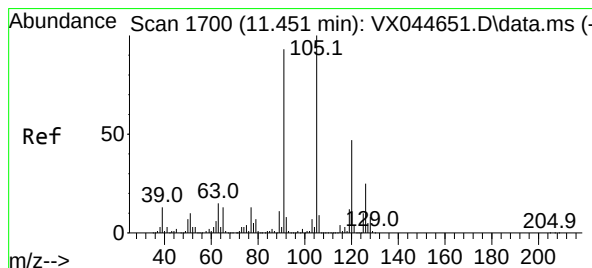
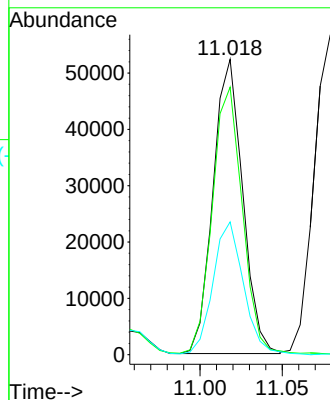
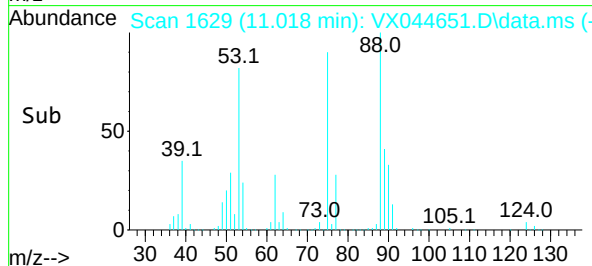
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 65470
Ion Ratio Lower Upper
75 100
53 92.9 74.3 111.5
89 46.7 37.4 56.0

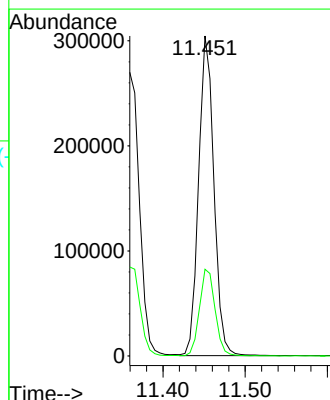
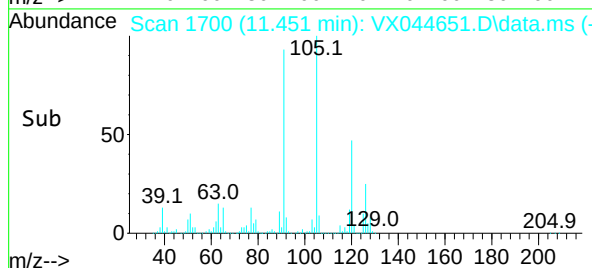
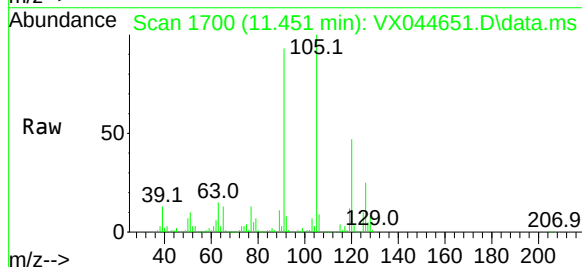
Manual Integrations
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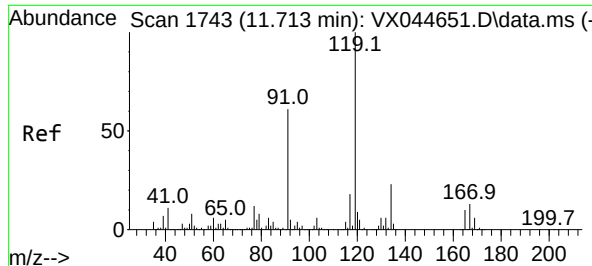
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#82
4-Chlorotoluene
Concen: 48.238 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

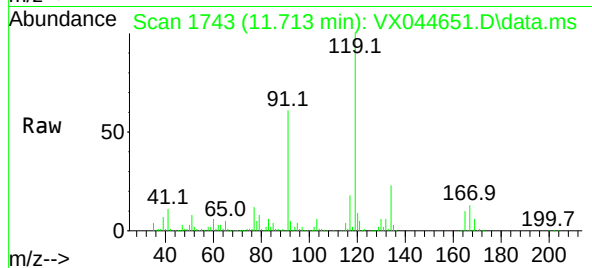
Tgt Ion: 91 Resp: 393120
Ion Ratio Lower Upper
91 100
126 27.8 13.9 41.7





#83
tert-Butylbenzene
Concen: 47.513 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

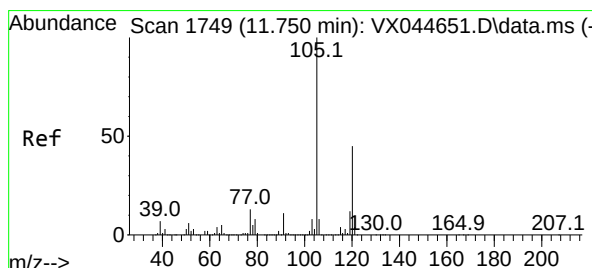
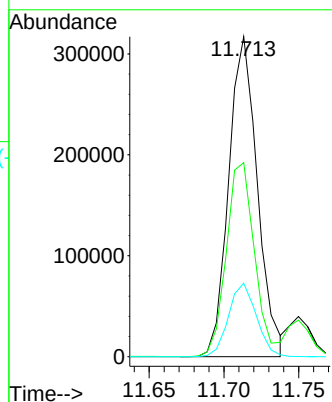
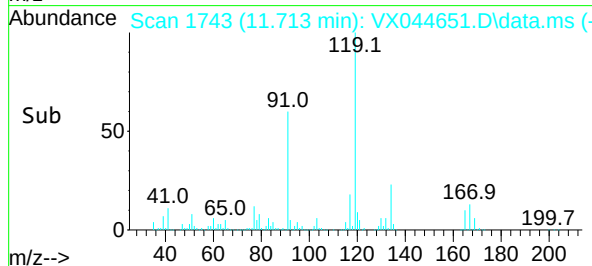
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



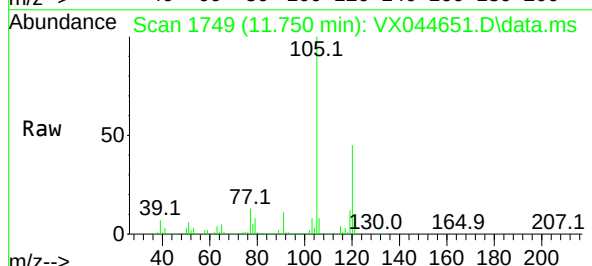
Tgt Ion:119 Resp: 422348
Ion Ratio Lower Upper
119 100
91 60.0 30.0 90.0
134 22.3 11.2 33.5

Manual Integrations
APPROVED

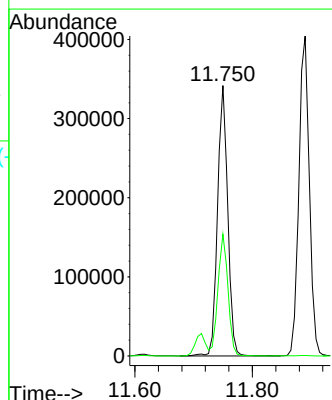
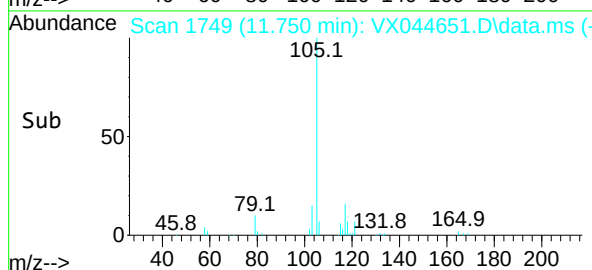
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

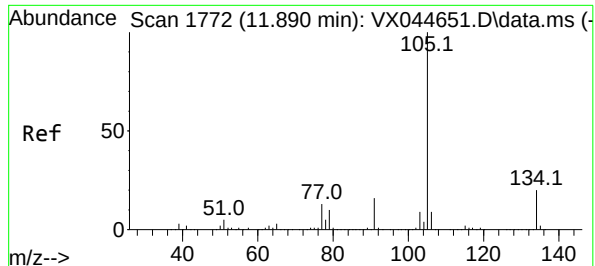


#84
1,2,4-Trimethylbenzene
Concen: 47.515 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02



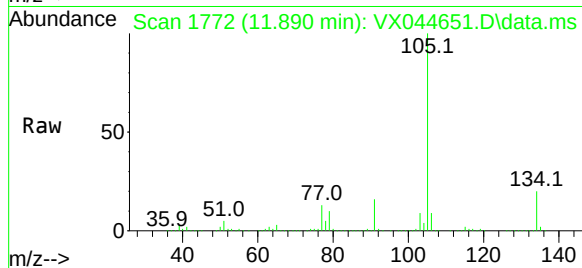
Tgt Ion:105 Resp: 410477
Ion Ratio Lower Upper
105 100
120 44.4 22.2 66.6





#85
sec-Butylbenzene
Concen: 48.113 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

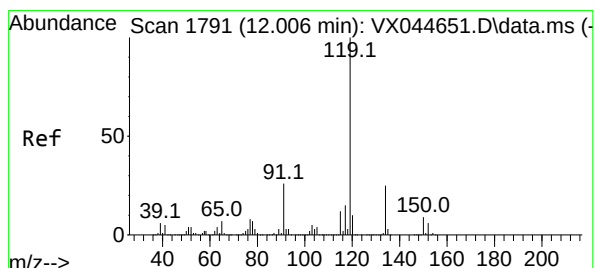
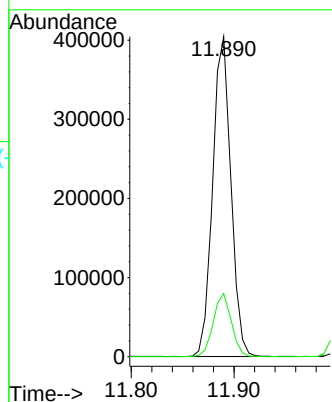
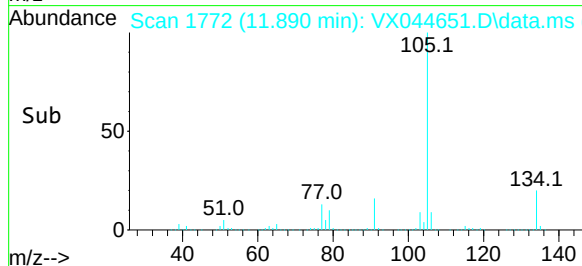
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 497964
Ion Ratio Lower Upper
105 100
134 19.7 9.8 29.5

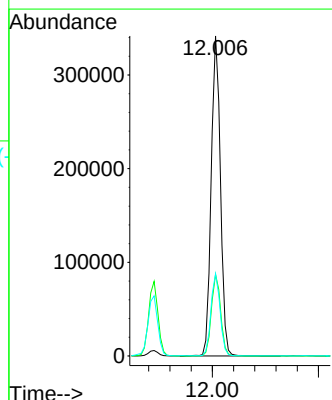
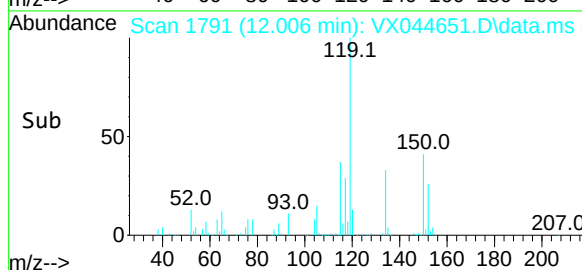
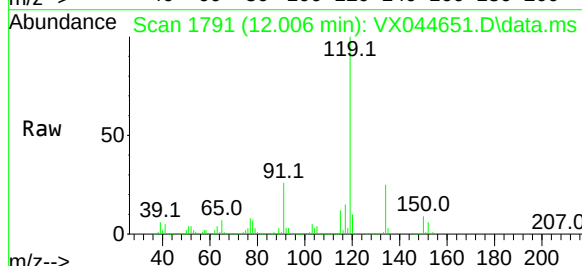
Manual Integrations
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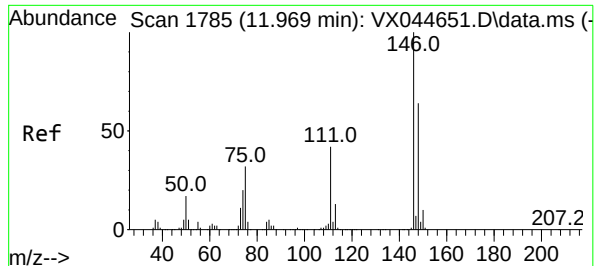
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#86
p-Isopropyltoluene
Concen: 48.421 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:119 Resp: 411853
Ion Ratio Lower Upper
119 100
134 25.6 12.8 38.4
91 25.4 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 48.720 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 20623

Ion Ratio Lower Upper

146 100

111 43.8 21.9 65.7

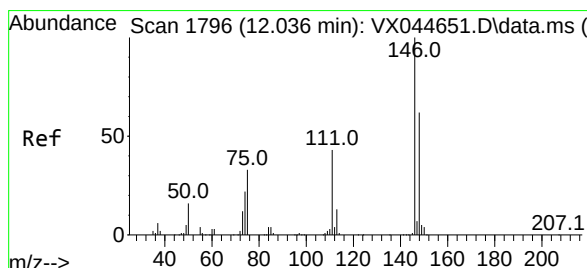
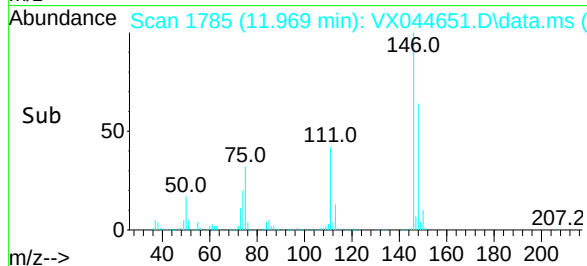
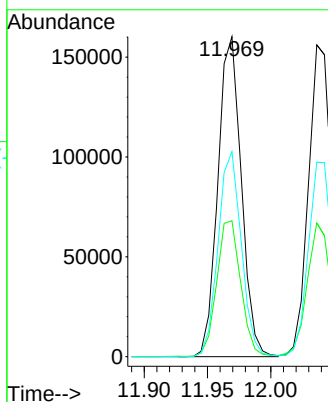
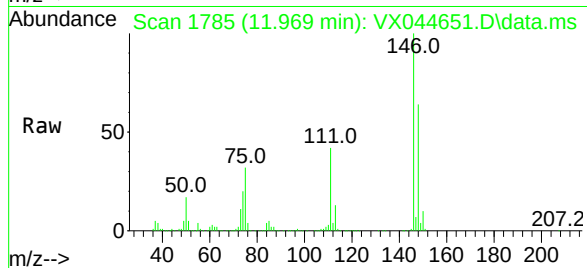
148 63.6 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#88

1,4-Dichlorobenzene

Concen: 47.960 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

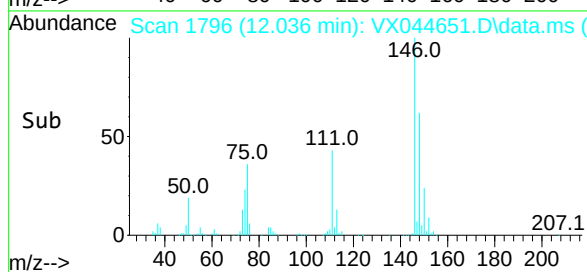
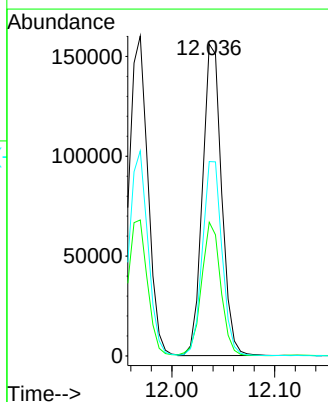
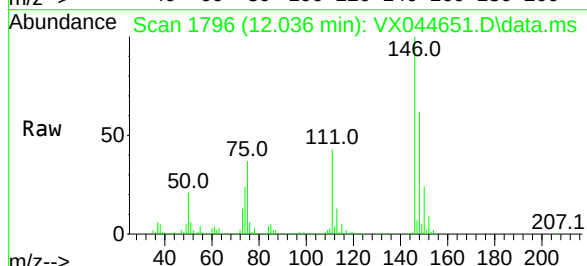
Tgt Ion:146 Resp: 201574

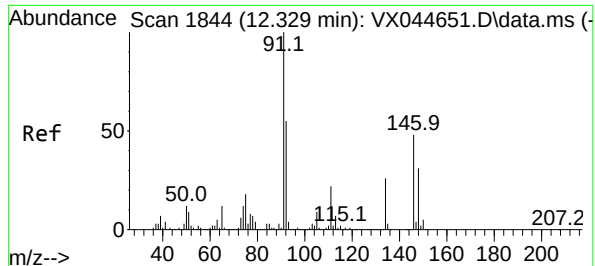
Ion Ratio Lower Upper

146 100

111 43.0 21.5 64.5

148 64.3 32.1 96.5





#89

n-Butylbenzene

Concen: 49.100 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 358698

Ion Ratio Lower Upper

91 100

92 54.7 27.4 82.0

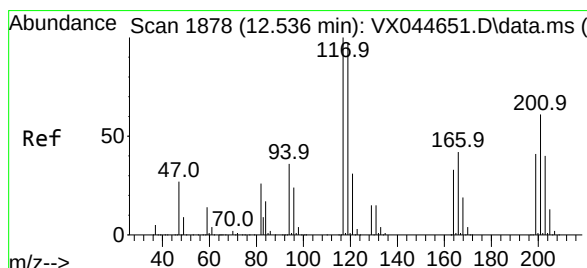
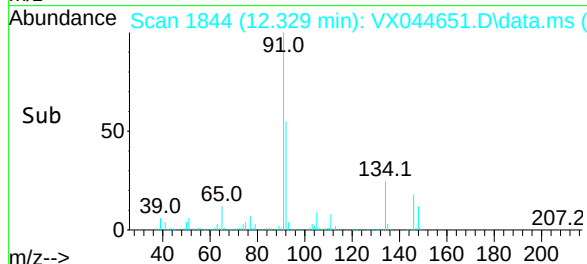
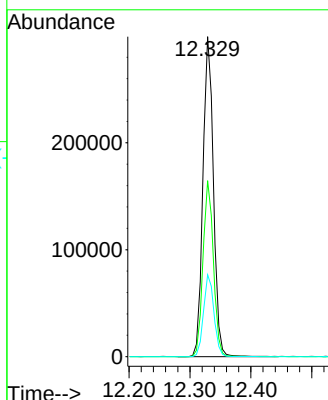
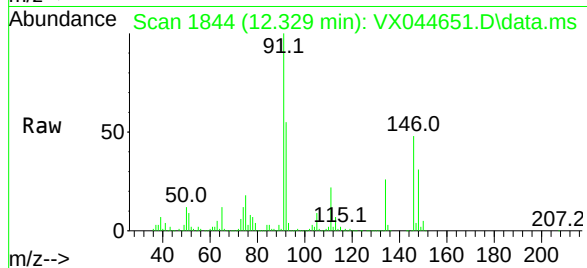
134 25.5 12.8 38.3

Manual Integrations

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Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#90

Hexachloroethane

Concen: 45.808 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044651.D

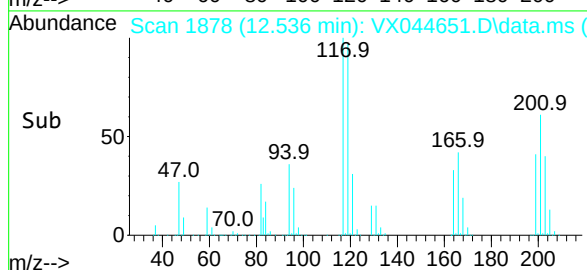
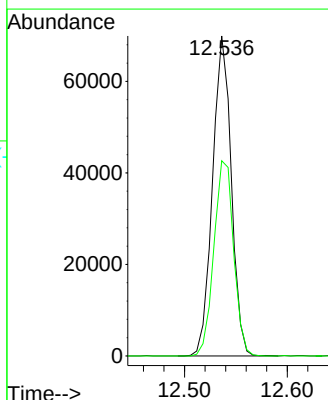
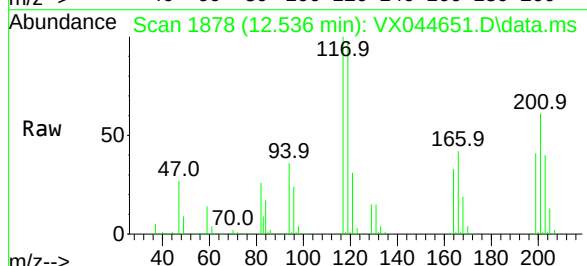
Acq: 15 Jan 2025 12:02

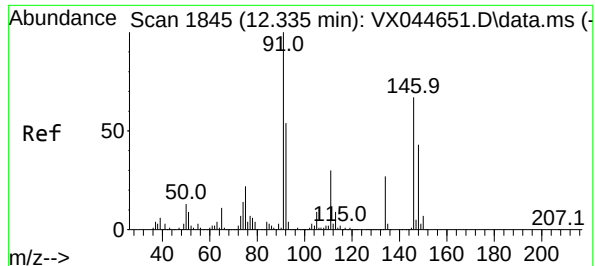
Tgt Ion:117 Resp: 88230

Ion Ratio Lower Upper

117 100

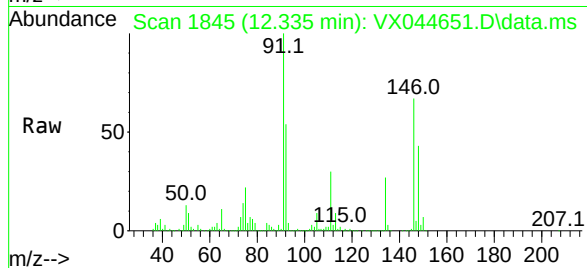
201 64.5 32.3 96.8





#91
1,2-Dichlorobenzene
Concen: 47.824 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

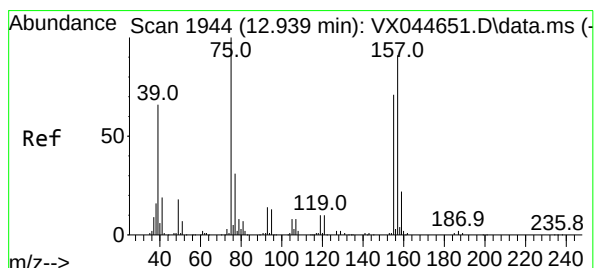
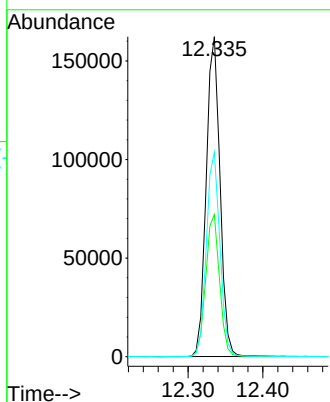
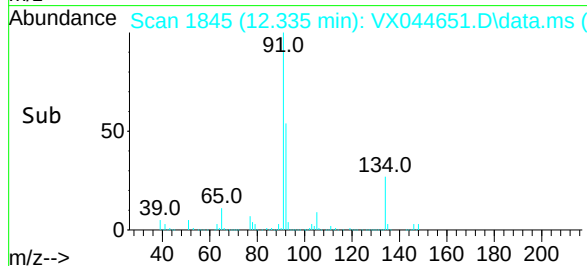
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:146 Resp: 20790
Ion Ratio Lower Upper
146 100
111 44.8 22.4 67.2
148 63.2 31.6 94.8

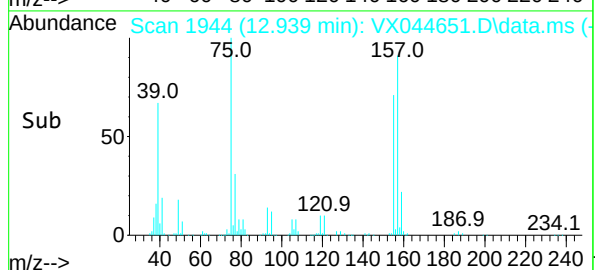
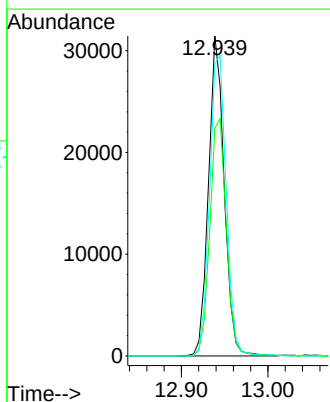
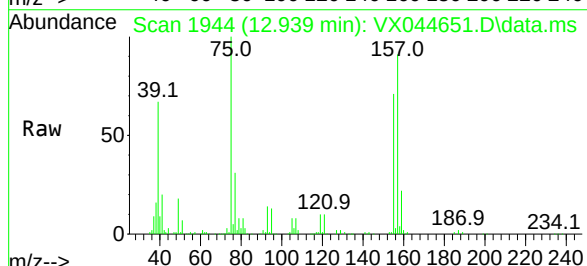
Manual Integrations
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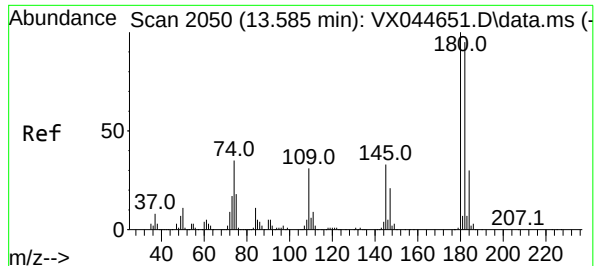
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 44.962 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

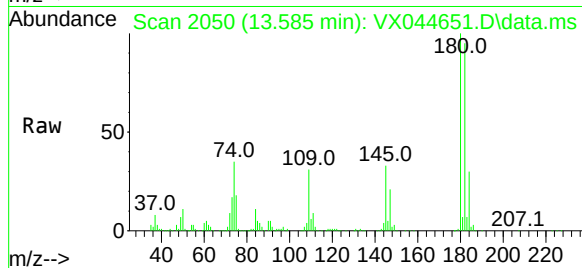
Tgt Ion: 75 Resp: 39659
Ion Ratio Lower Upper
75 100
155 77.9 39.0 116.9
157 99.8 49.9 149.7





#93
1,2,4-Trichlorobenzene
Concen: 50.708 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

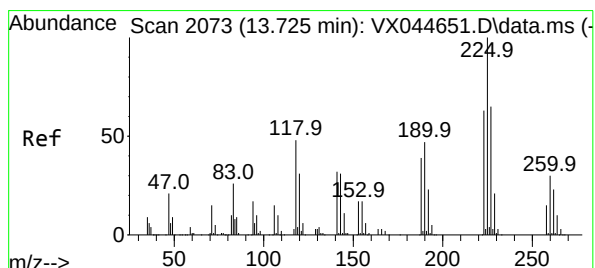
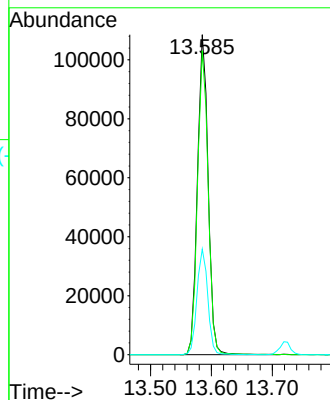
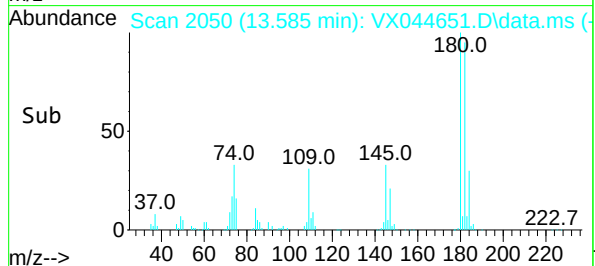
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:180 Resp: 131779
Ion Ratio Lower Upper
180 100
182 94.8 47.4 142.2
145 33.4 16.7 50.1

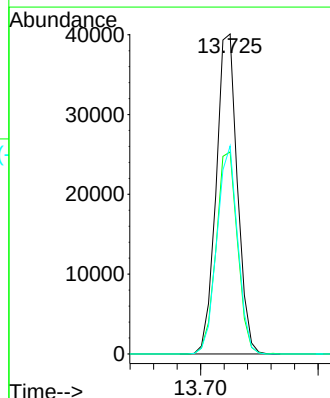
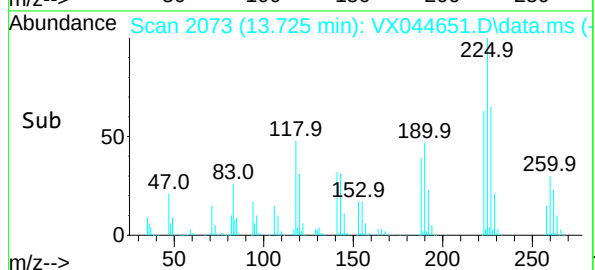
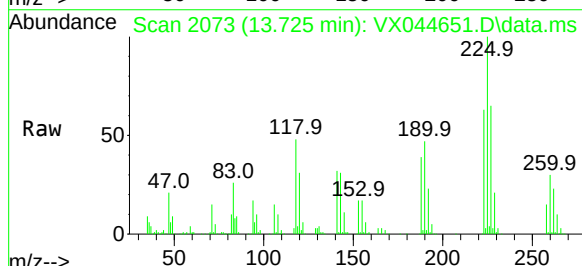
Manual Integrations
APPROVED

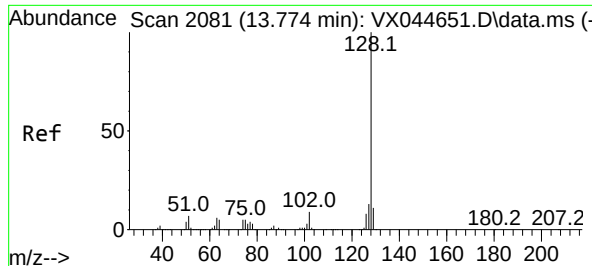
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#94
Hexachlorobutadiene
Concen: 49.230 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

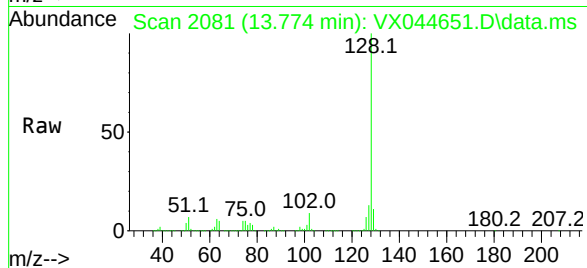
Tgt Ion:225 Resp: 50255
Ion Ratio Lower Upper
225 100
223 63.8 31.9 95.7
227 63.6 31.8 95.4





#95
Naphthalene
Concen: 48.639 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

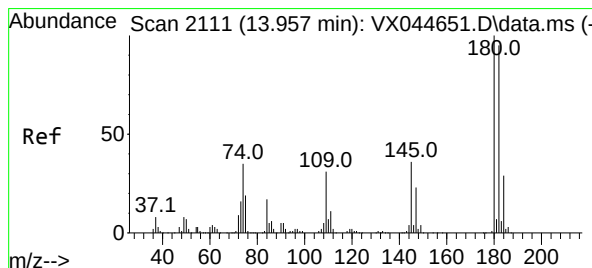
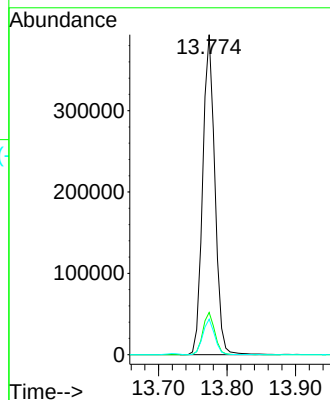
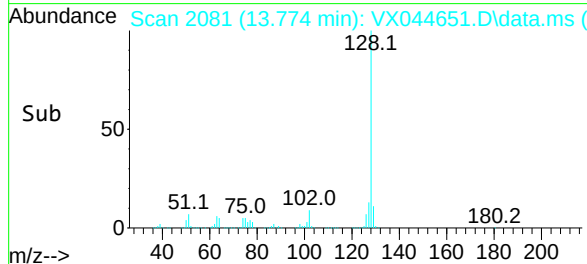
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:128 Resp: 487529
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.7 13.1

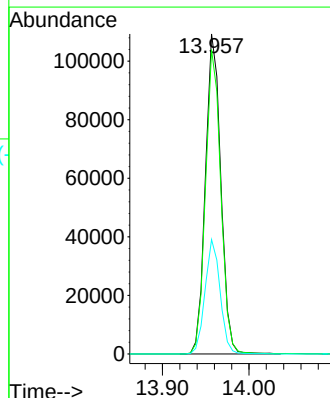
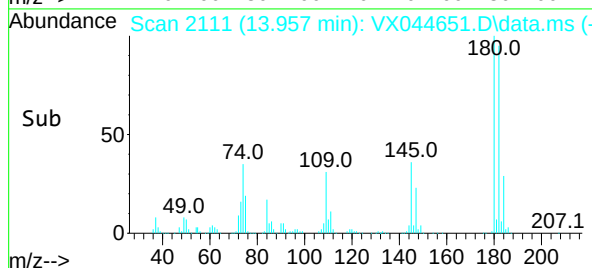
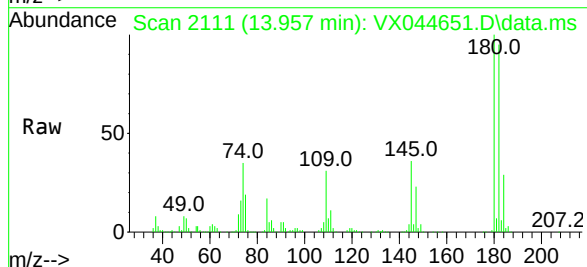
Manual Integrations
APPROVED

Reviewed By :John Carbone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.047 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:180 Resp: 134816
Ion Ratio Lower Upper
180 100
182 94.4 47.2 141.6
145 35.1 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044652.D
 Acq On : 15 Jan 2025 13:14
 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 01/15/2025
 Supervised By : Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:01:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 00:57:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	170573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	308450	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	255886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	110019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	235193	91.349	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	182.700%#
35) Dibromofluoromethane	5.373	113	181010	92.374	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	184.740%#
50) Toluene-d8	8.641	98	617688	90.404	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	180.800%#
62) 4-Bromofluorobenzene	11.079	95	236119	92.702	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	185.400%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	256287	111.657	ug/l	99
3) Chloromethane	1.301	50	232745	93.768	ug/l	100
4) Vinyl Chloride	1.374	62	238376	97.198	ug/l	100
5) Bromomethane	1.593	94	57815	98.728	ug/l	94
6) Chloroethane	1.660	64	42244	93.931	ug/l	97
7) Trichlorofluoromethane	1.861	101	275756	101.736	ug/l	99
8) Diethyl Ether	2.130	74	99765	91.205	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	203976	100.109	ug/l	99
10) Methyl Iodide	2.441	142	272297	97.884	ug/l	99
11) Tert butyl alcohol	3.026	59	259620m	447.152	ug/l	
12) 1,1-Dichloroethene	2.306	96	194870	97.570	ug/l	98
13) Acrolein	2.233	56	116830	432.534	ug/l	98
14) Allyl chloride	2.654	41	358388	92.162	ug/l	100
15) Acrylonitrile	3.062	53	560841	498.179	ug/l	100
16) Acetone	2.386	43	527741	518.081	ug/l	100
17) Carbon Disulfide	2.495	76	529418	97.144	ug/l	99
18) Methyl Acetate	2.697	43	321291	102.235	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	681776	94.245	ug/l	99
20) Methylene Chloride	2.776	84	216105	91.100	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	190588	91.400	ug/l	99
22) Diisopropyl ether	3.751	45	632562	93.579	ug/l	100
23) Vinyl Acetate	3.715	43	2791754	471.863	ug/l	100
24) 1,1-Dichloroethane	3.599	63	378924	94.530	ug/l	99
25) 2-Butanone	4.550	43	765500	505.435	ug/l	100
26) 2,2-Dichloropropane	4.458	77	357666	92.064	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	240149	91.559	ug/l	99
28) Bromochloromethane	4.885	49	179896	96.041	ug/l	100
29) Tetrahydrofuran	4.995	42	477227	488.500	ug/l	100
30) Chloroform	5.080	83	373681	92.373	ug/l	99
31) Cyclohexane	5.452	56	319131	98.436	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	338119	90.918	ug/l	99
36) 1,1-Dichloropropene	5.678	75	255714	93.746	ug/l	99
37) Ethyl Acetate	4.702	43	300700	103.517	ug/l	99
38) Carbon Tetrachloride	5.666	117	287048	93.555	ug/l	99
39) Methylcyclohexane	7.367	83	359758	99.352	ug/l	98
40) Benzene	6.025	78	785626	92.946	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044652.D
 Acq On : 15 Jan 2025 13:14
 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 01/15/2025
 Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:01:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 00:57:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	168481	100.920	ug/l	98
42) 1,2-Dichloroethane	6.074	62	292036	94.663	ug/l	99
43) Isopropyl Acetate	6.330	43	512598	95.925	ug/l	99
44) Trichloroethene	7.117	130	199570	98.212	ug/l	96
45) 1,2-Dichloropropane	7.421	63	200877	94.413	ug/l	99
46) Dibromomethane	7.568	93	150112	92.680	ug/l	98
47) Bromodichloromethane	7.812	83	307990	92.723	ug/l	99
48) Methyl methacrylate	7.684	41	248667	100.250	ug/l	100
49) 1,4-Dioxane	7.665	88	101384	1959.056	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1372888	464.897	ug/l	100
52) Toluene	8.708	92	474392	91.697	ug/l	100
53) t-1,3-Dichloropropene	8.970	75	330982	96.446	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	349516	93.927	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	192326	91.885	ug/l	98
56) Ethyl methacrylate	9.110	69	337626	93.812	ug/l	99
57) 1,3-Dichloropropane	9.305	76	325142	91.220	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	817528	462.693	ug/l	99
59) 2-Hexanone	9.427	43	1019940	469.454	ug/l	99
60) Dibromochloromethane	9.519	129	227418	92.570	ug/l	99
61) 1,2-Dibromoethane	9.604	107	202247	92.200	ug/l	100
64) Tetrachloroethene	9.269	164	157748	98.176	ug/l	98
65) Chlorobenzene	10.073	112	510916	94.003	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	184816	93.565	ug/l	100
67) Ethyl Benzene	10.189	91	909208	95.872	ug/l	99
68) m/p-Xylenes	10.299	106	661488	187.963	ug/l	100
69) o-Xylene	10.640	106	329336	92.536	ug/l	99
70) Styrene	10.653	104	547016	95.197	ug/l	100
71) Bromoform	10.799	173	155379	96.648	ug/l #	99
73) Isopropylbenzene	10.957	105	833874	92.779	ug/l	100
74) N-amyl acetate	10.842	43	414046	93.463	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	278679	89.776	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	250918m	96.568	ug/l	
77) Bromobenzene	11.195	156	192700	91.729	ug/l	99
78) n-propylbenzene	11.299	91	956202	96.470	ug/l	100
79) 2-Chlorotoluene	11.360	91	584682	91.317	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	672586	91.926	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	114832	98.354	ug/l	99
82) 4-Chlorotoluene	11.451	91	655250	93.421	ug/l	100
83) tert-Butylbenzene	11.713	119	690320	90.233	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	681398	91.646	ug/l	100
85) sec-Butylbenzene	11.890	105	848327	95.235	ug/l	100
86) p-Isopropyltoluene	12.006	119	695433	94.999	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	353809	97.115	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	347517	96.070	ug/l	99
89) n-Butylbenzene	12.329	91	633246	100.715	ug/l	99
90) Hexachloroethane	12.536	117	149253	90.037	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	340683	91.056	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	70862	93.344	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	233417	104.359	ug/l	99
94) Hexachlorobutadiene	13.725	225	88214	100.406	ug/l	100
95) Naphthalene	13.774	128	849403	98.464	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	232152	100.133	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044652.D
Acq On : 15 Jan 2025 13:14
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 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:01:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

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

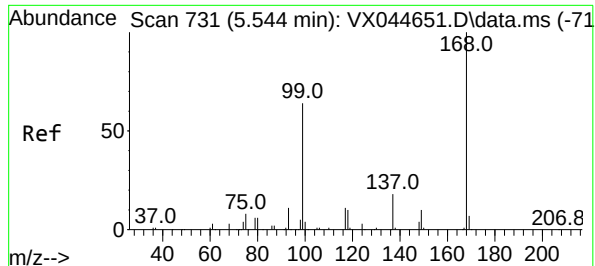
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

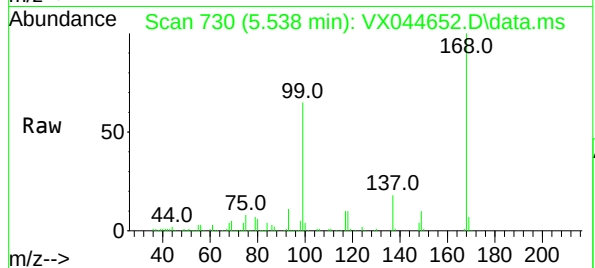
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

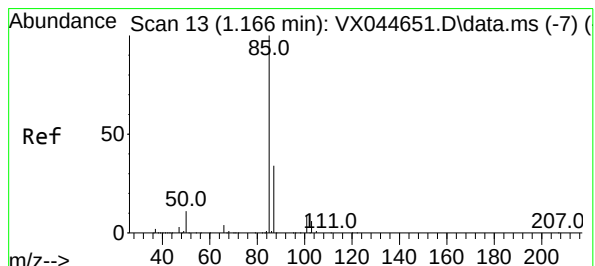
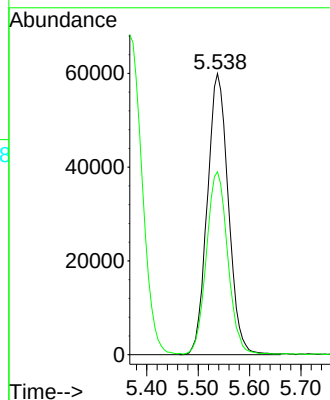
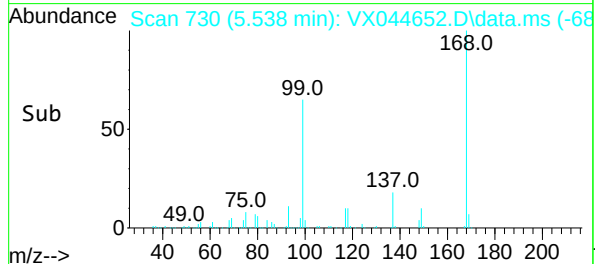
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:168 Resp: 17057
Ion Ratio Lower Upper
168 100
99 64.8 51.1 76.7

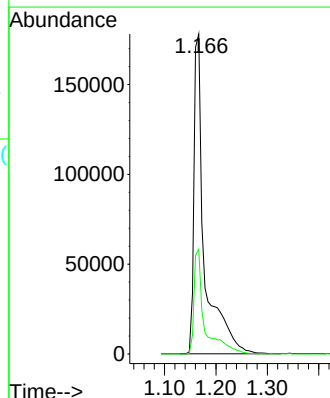
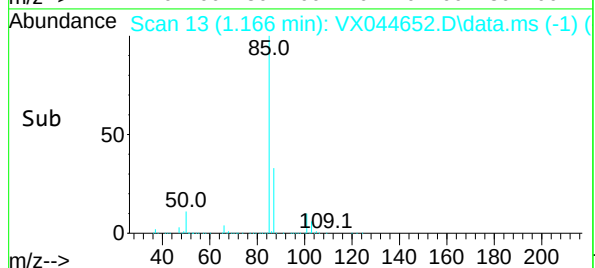
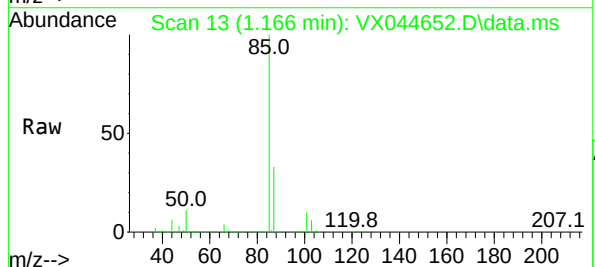
Manual Integrations
APPROVED

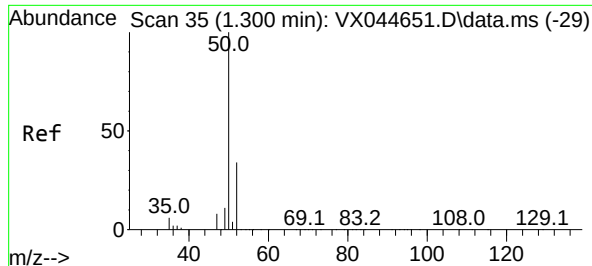
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#2
Dichlorodifluoromethane
Concen: 111.657 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 85 Resp: 256287
Ion Ratio Lower Upper
85 100
87 32.8 16.8 50.4





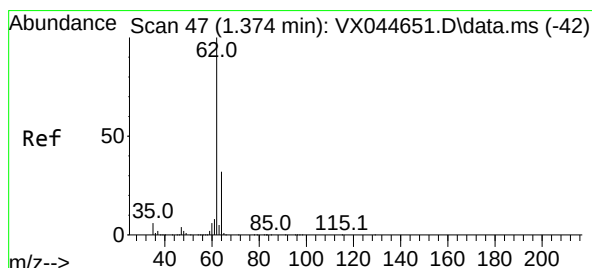
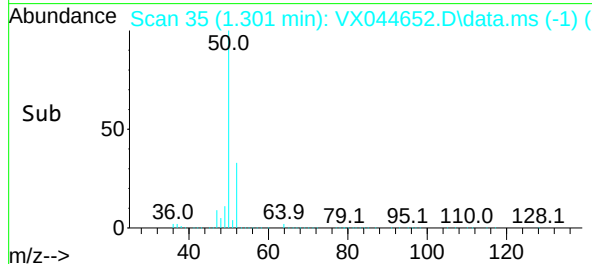
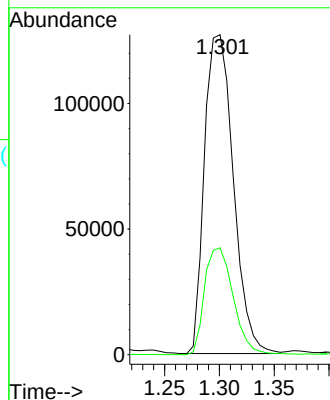
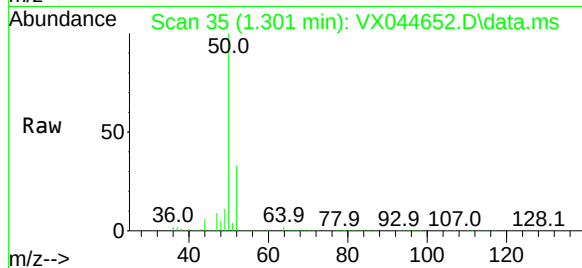
#3
Chloromethane
Concen: 93.768 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 232745
Ion Ratio Lower Upper
50 100
52 33.5 27.0 40.4

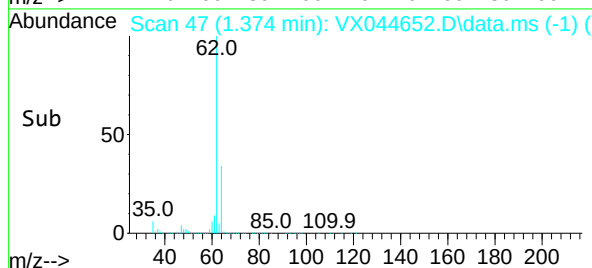
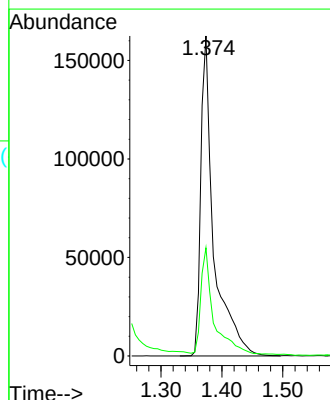
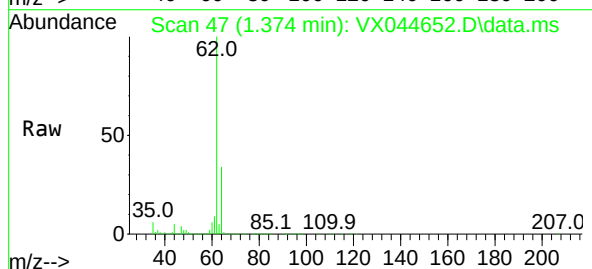
Manual Integrations
APPROVED

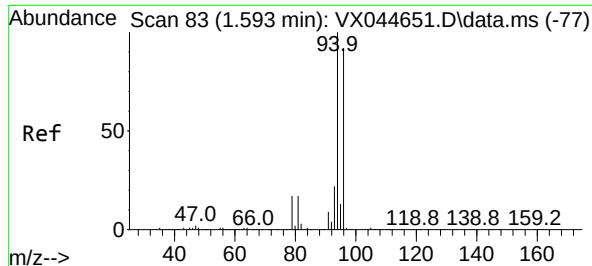
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#4
Vinyl Chloride
Concen: 97.198 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

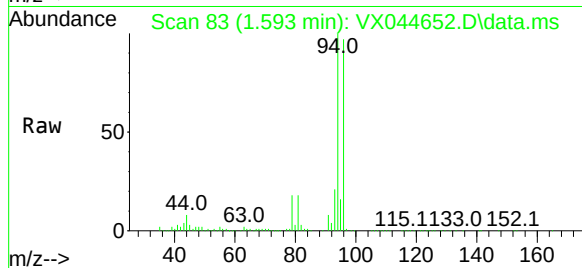
Tgt Ion: 62 Resp: 238376
Ion Ratio Lower Upper
62 100
64 33.3 26.6 39.8





#5
Bromomethane
Concen: 98.728 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

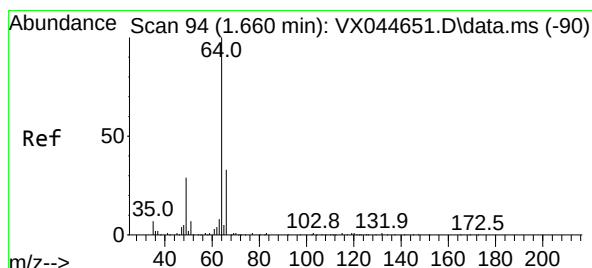
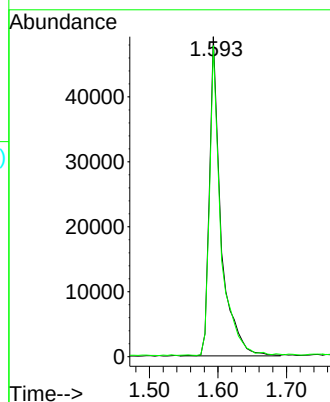
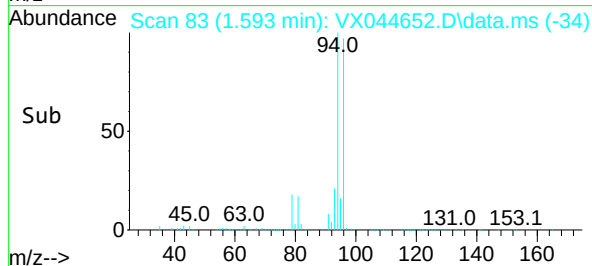
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 94 Resp: 5781
Ion Ratio Lower Upper
94 100
96 97.0 72.8 109.2

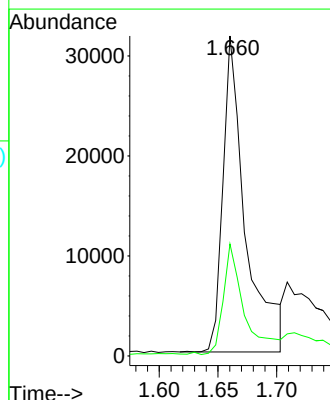
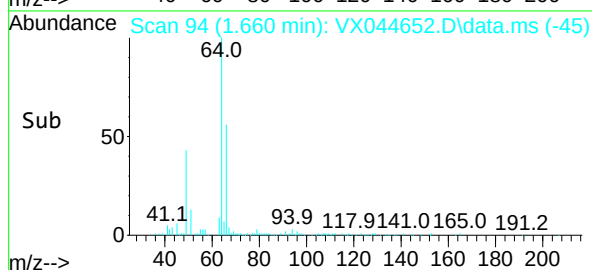
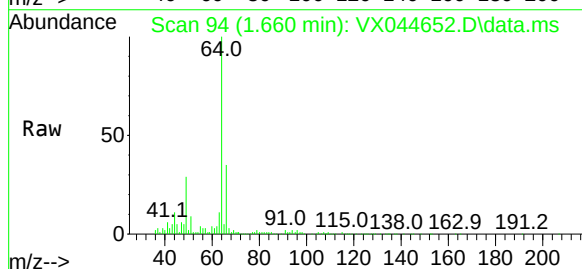
Manual Integrations
APPROVED

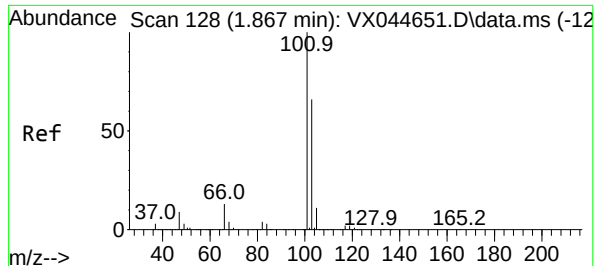
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#6
Chloroethane
Concen: 93.931 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 64 Resp: 42244
Ion Ratio Lower Upper
64 100
66 34.8 26.6 39.8





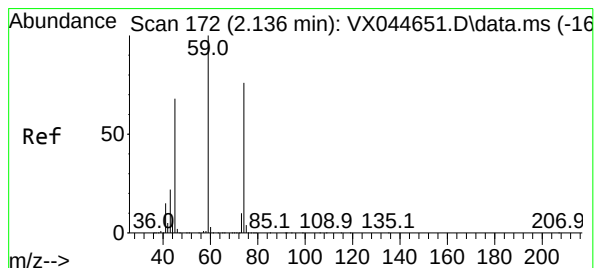
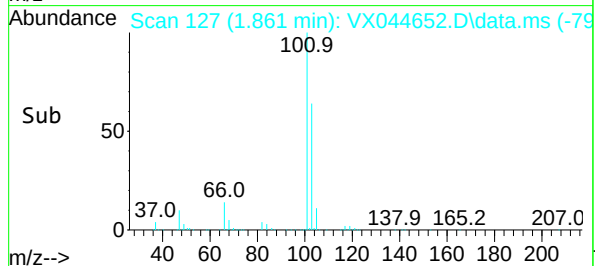
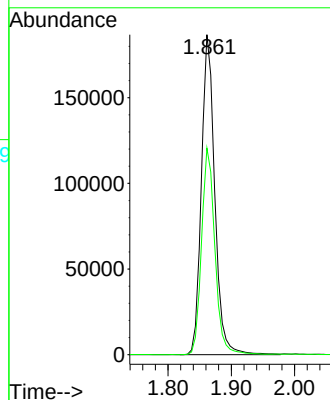
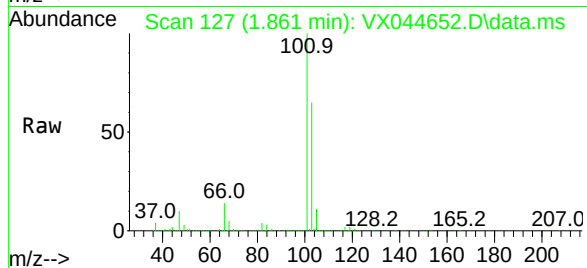
#7
Trichlorofluoromethane
Concen: 101.736 ug/l
RT: 1.861 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 275750
Ion Ratio Lower Upper
101 100
103 64.5 52.5 78.7

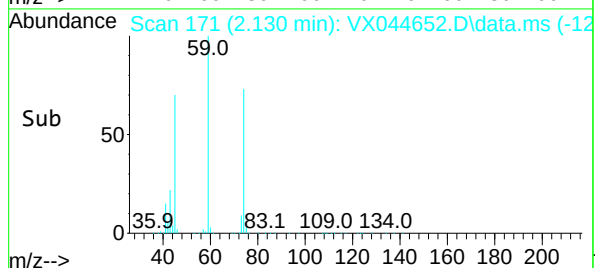
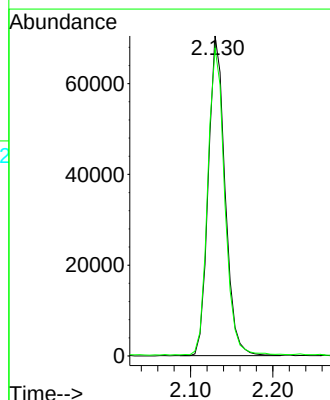
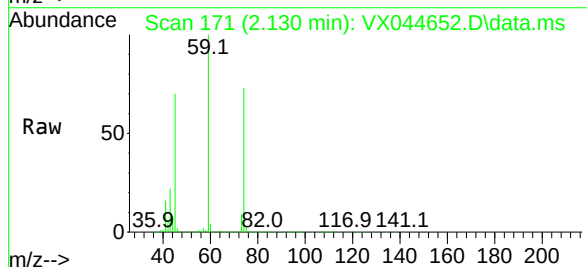
Manual Integrations
APPROVED

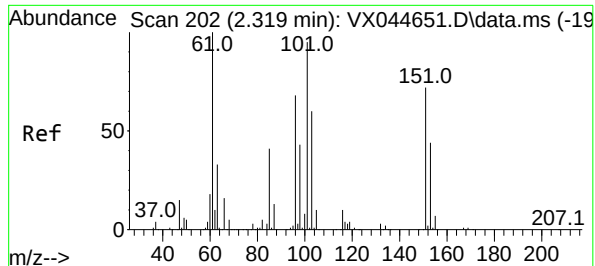
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#8
Diethyl Ether
Concen: 91.205 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

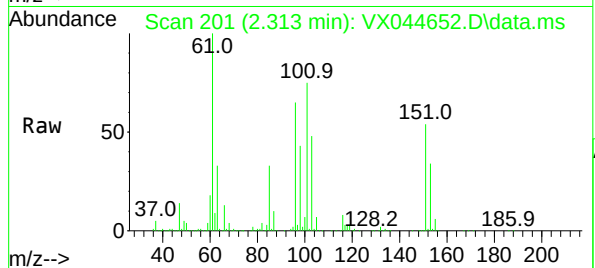
Tgt Ion: 74 Resp: 99765
Ion Ratio Lower Upper
74 100
45 97.0 47.1 141.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.109 ug/l
RT: 2.313 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

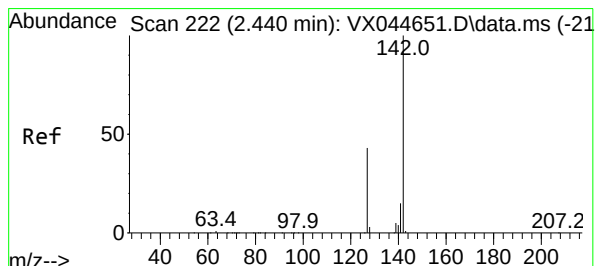
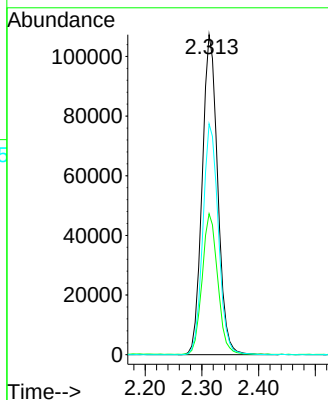
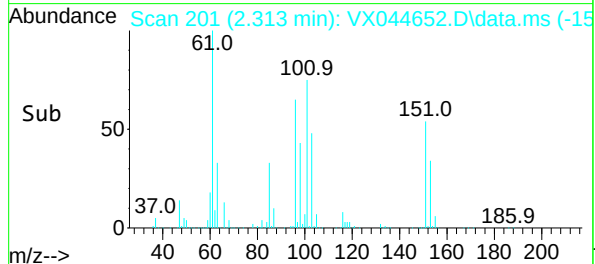
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:101 Resp: 203970
Ion Ratio Lower Upper
101 100
85 43.8 35.3 52.9
151 72.1 58.2 87.4

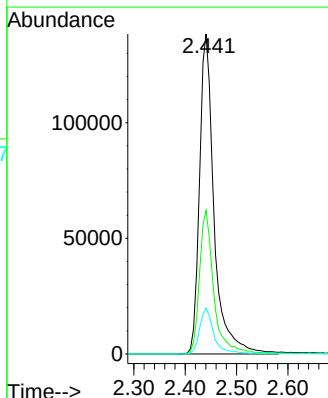
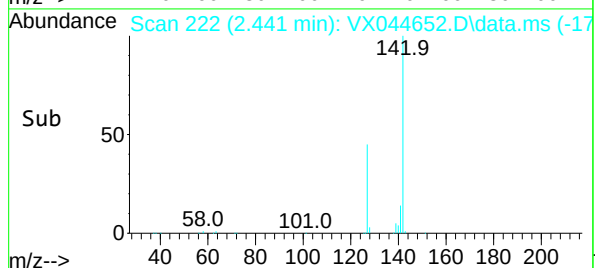
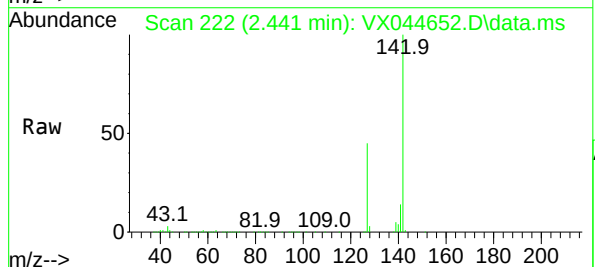
Manual Integrations
APPROVED

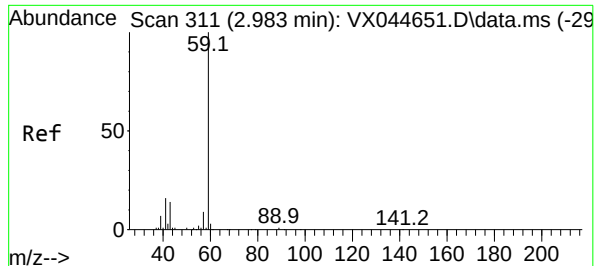
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#10
Methyl Iodide
Concen: 97.884 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:142 Resp: 272297
Ion Ratio Lower Upper
142 100
127 44.3 35.0 52.4
141 14.1 11.7 17.5





#11

Tert butyl alcohol

Concen: 447.152 ug/l m

RT: 3.026 min Scan# 311

Delta R.T. 0.043 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 259620

Ion Ratio Lower Upper

59 100

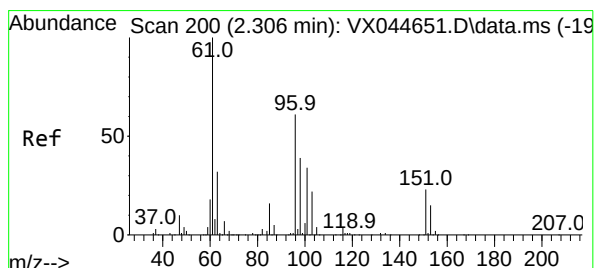
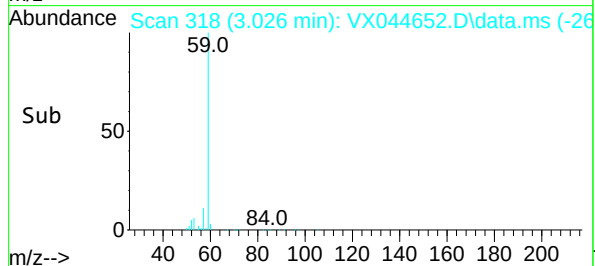
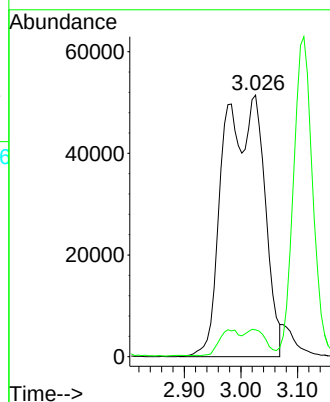
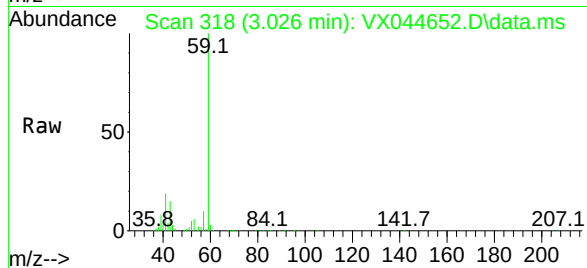
57 5.0 3.9 5.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#12

1,1-Dichloroethene

Concen: 97.570 ug/l

RT: 2.306 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

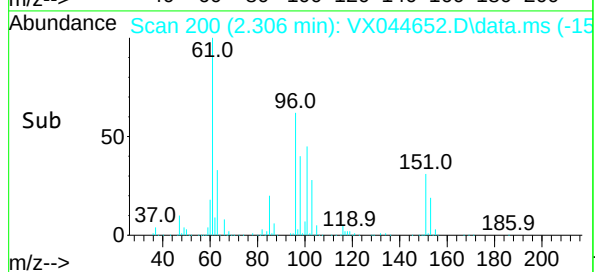
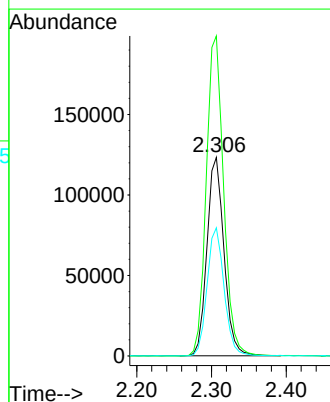
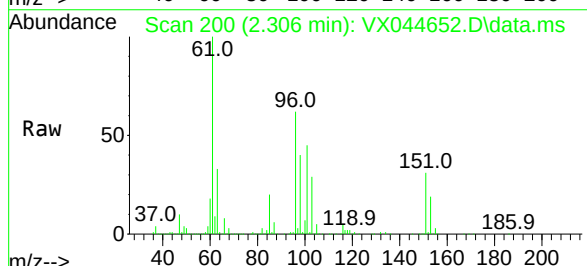
Tgt Ion: 96 Resp: 194870

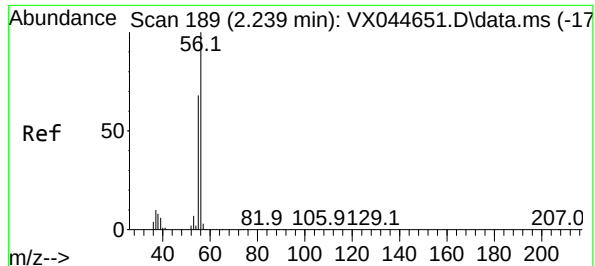
Ion Ratio Lower Upper

96 100

61 161.3 131.1 196.7

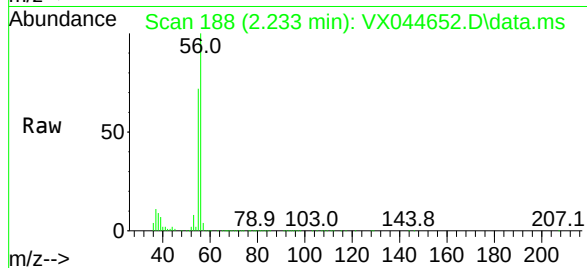
98 64.6 51.2 76.8





#13
Acrolein
Concen: 432.534 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

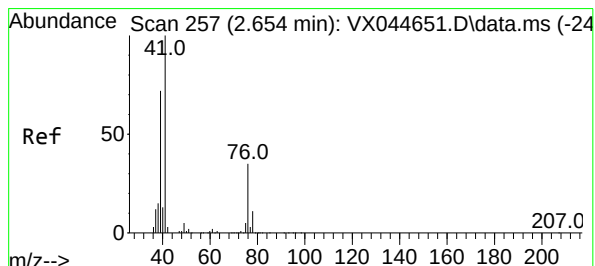
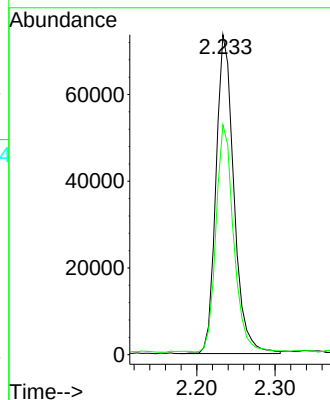
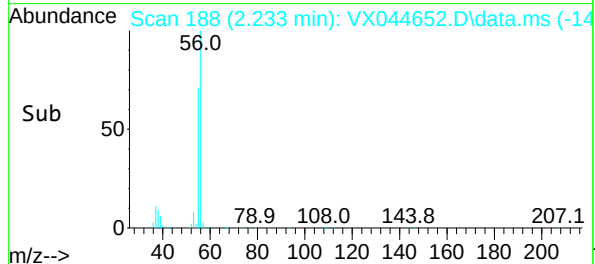
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 56 Resp: 116830
Ion Ratio Lower Upper
56 100
55 70.2 55.1 82.7

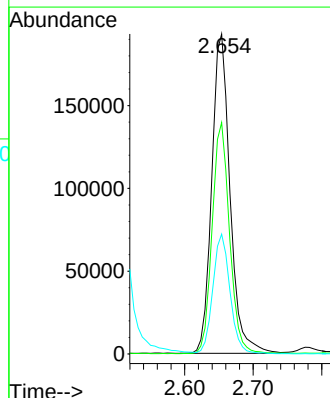
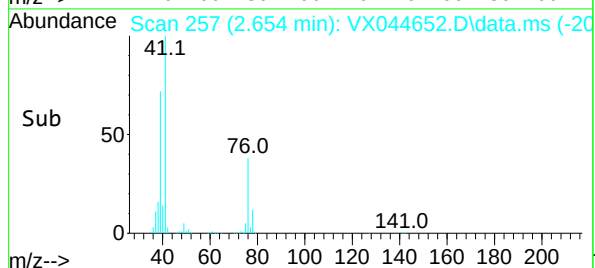
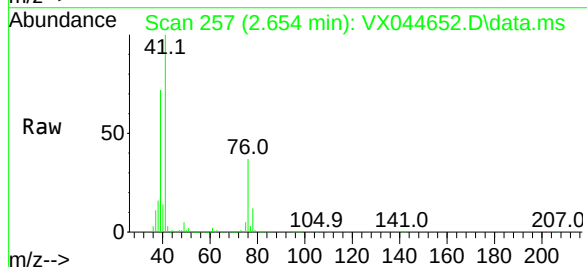
Manual Integrations
APPROVED

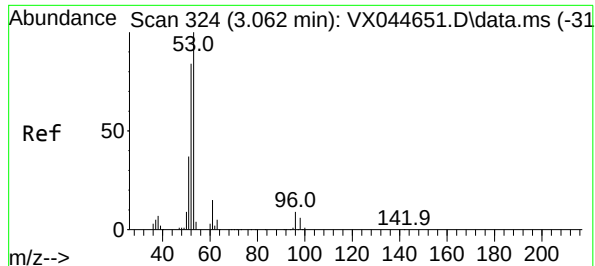
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#14
Allyl chloride
Concen: 92.162 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 41 Resp: 358388
Ion Ratio Lower Upper
41 100
39 68.7 54.9 82.3
76 35.1 28.4 42.6





#15

Acrylonitrile

Concen: 498.179 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Tgt Ion: 53 Resp: 56084

Ion Ratio Lower Upper

53 100

52 82.7 66.0 99.0

51 36.1 28.9 43.3

Instrument :

MSVOA_X

ClientSampleId :

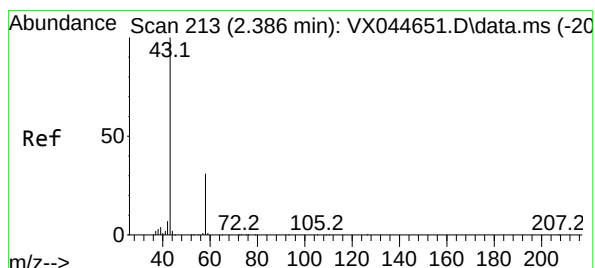
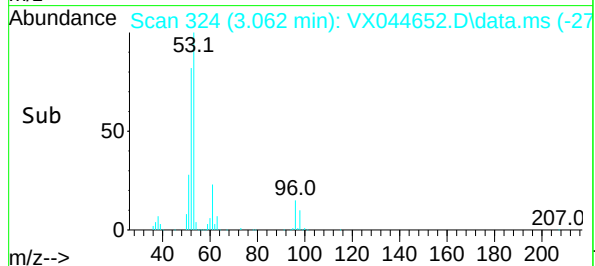
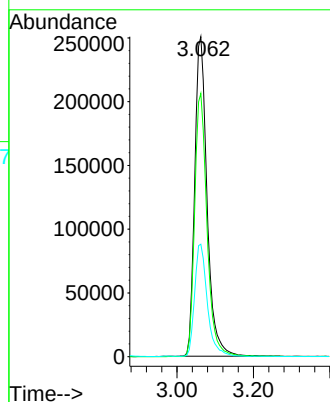
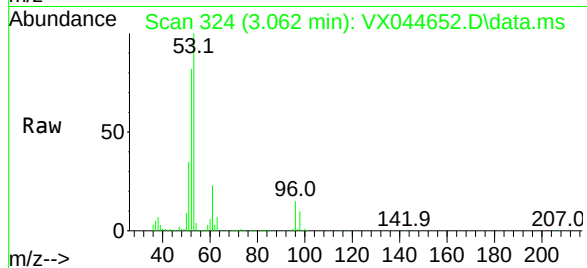
VSTDICC100

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#16

Acetone

Concen: 518.081 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX044652.D

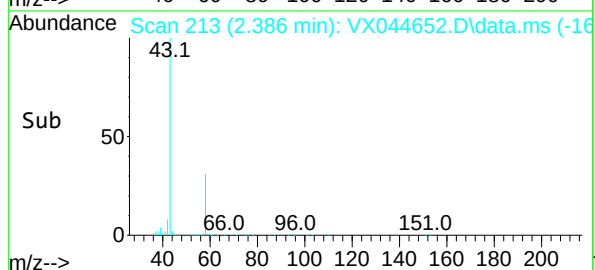
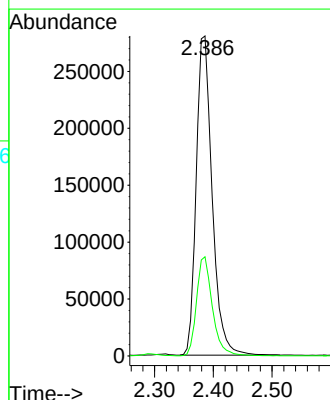
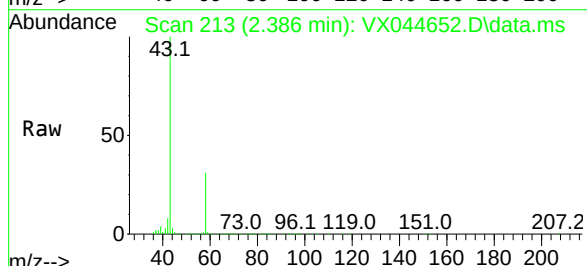
Acq: 15 Jan 2025 13:14

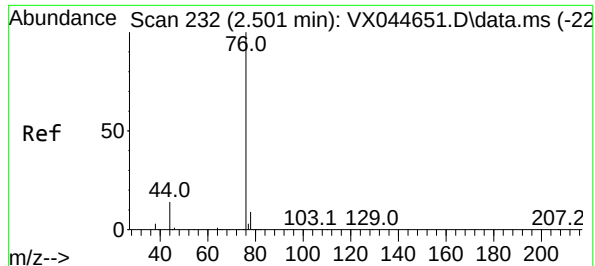
Tgt Ion: 43 Resp: 527741

Ion Ratio Lower Upper

43 100

58 31.0 24.6 37.0





#17

Carbon Disulfide

Concen: 97.144 ug/l

RT: 2.495 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 529418

Ion Ratio Lower Upper

76 100

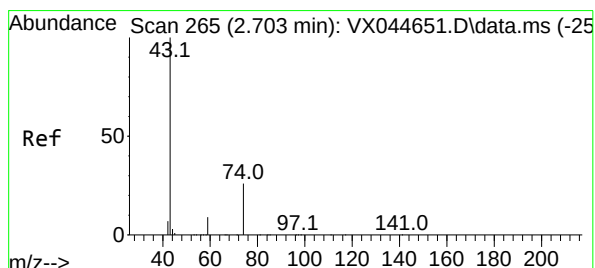
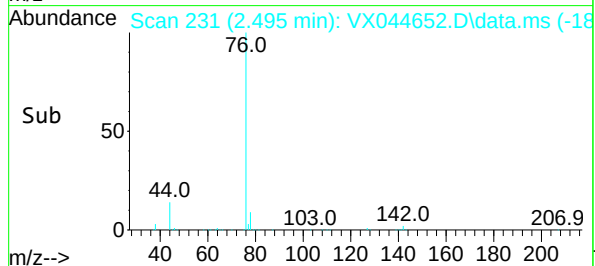
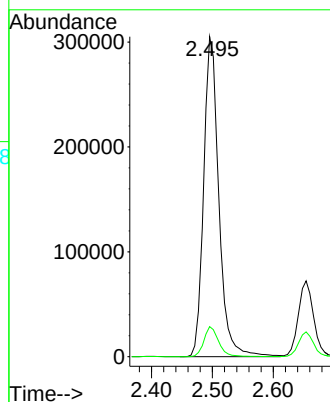
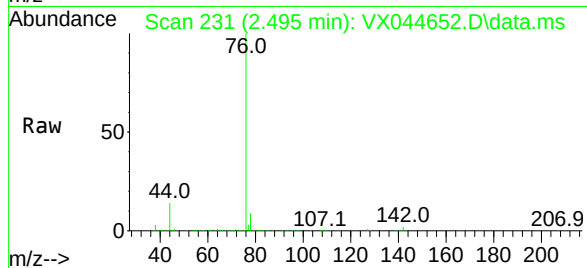
78 9.4 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#18

Methyl Acetate

Concen: 102.235 ug/l

RT: 2.697 min Scan# 264

Delta R.T. -0.006 min

Lab File: VX044652.D

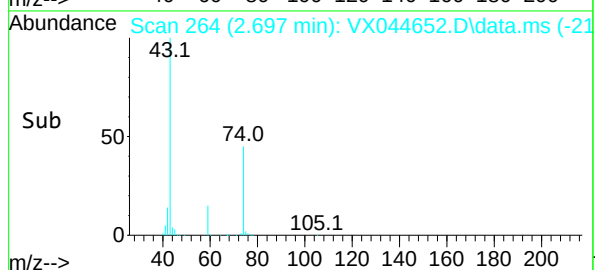
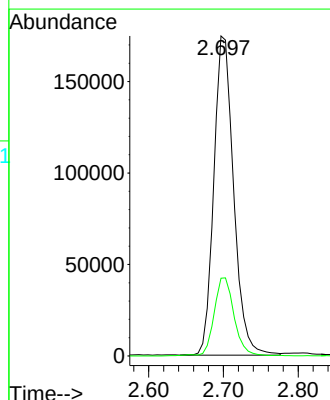
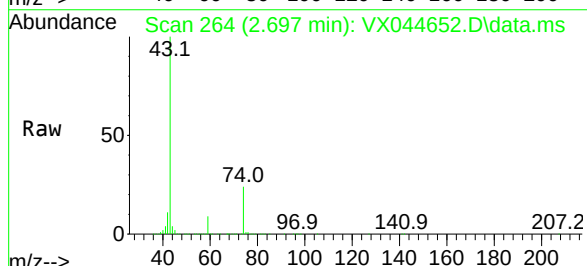
Acq: 15 Jan 2025 13:14

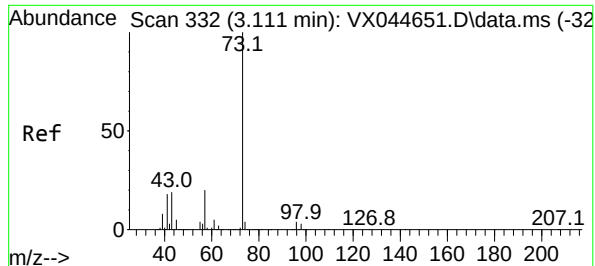
Tgt Ion: 43 Resp: 321291

Ion Ratio Lower Upper

43 100

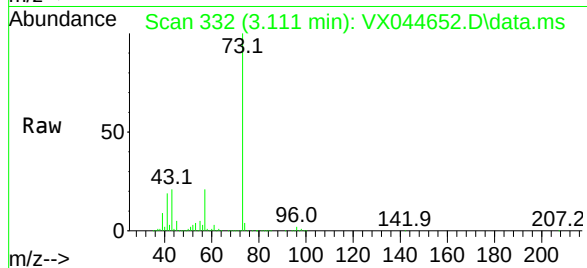
74 25.1 19.8 29.8





#19
Methyl tert-butyl Ether
Concen: 94.245 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

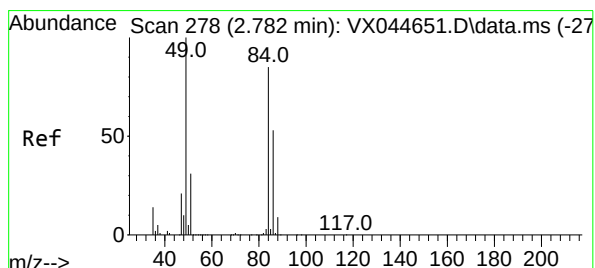
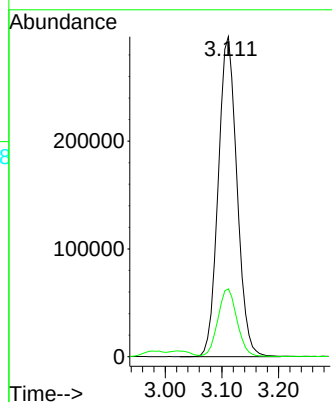
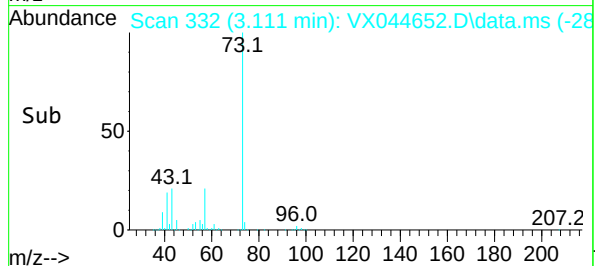
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 73 Resp: 681776
Ion Ratio Lower Upper
73 100
57 21.1 17.4 26.0

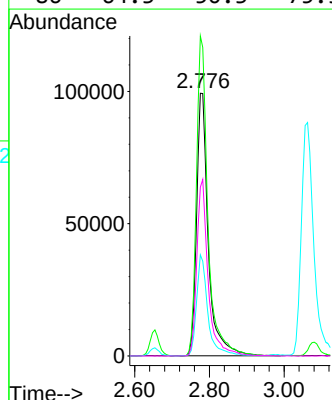
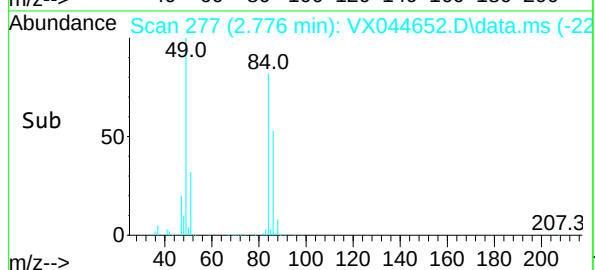
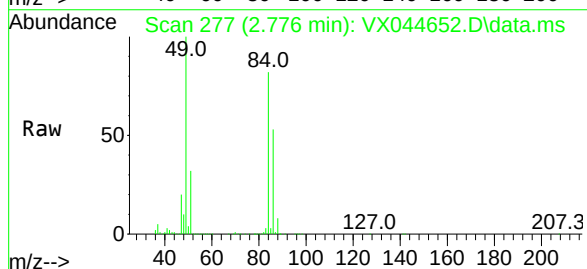
Manual Integrations
APPROVED

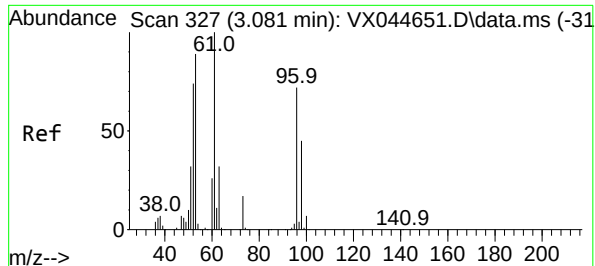
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#20
Methylene Chloride
Concen: 91.100 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

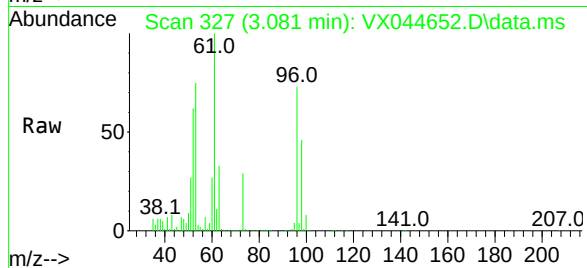
Tgt Ion: 84 Resp: 216105
Ion Ratio Lower Upper
84 100
49 121.9 94.2 141.4
51 38.4 28.8 43.2
86 64.3 50.3 75.5





#21
trans-1,2-Dichloroethene
Concen: 91.400 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

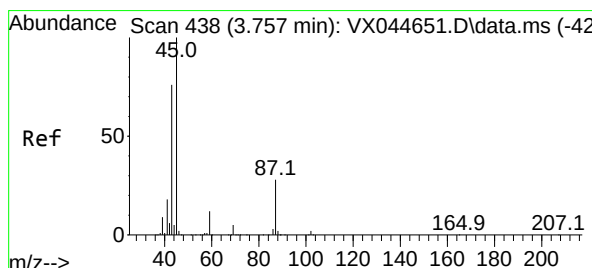
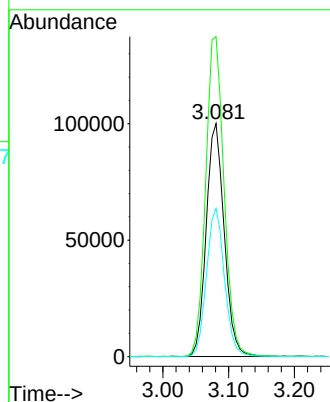
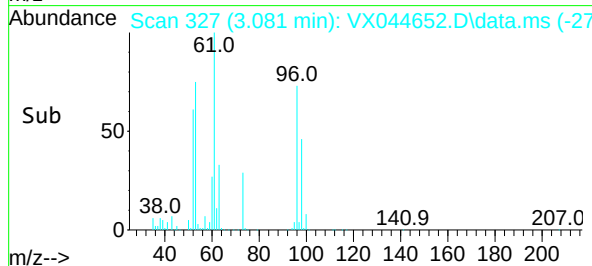
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 190588
Ion Ratio Lower Upper
96 100
61 137.2 111.0 166.6
98 63.6 50.2 75.2

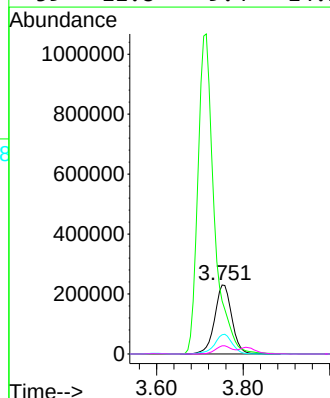
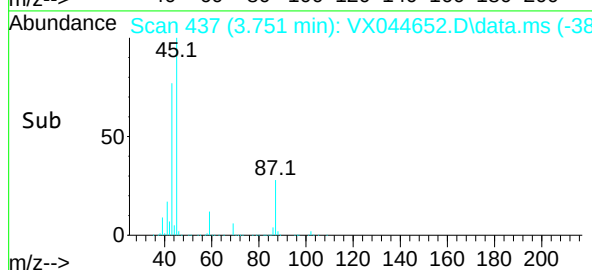
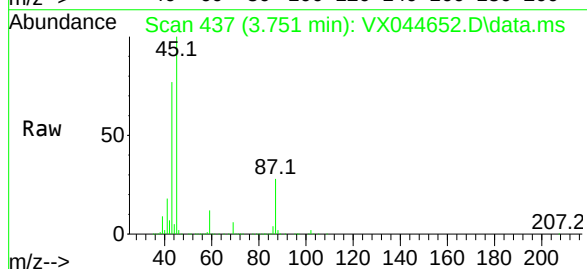
Manual Integrations
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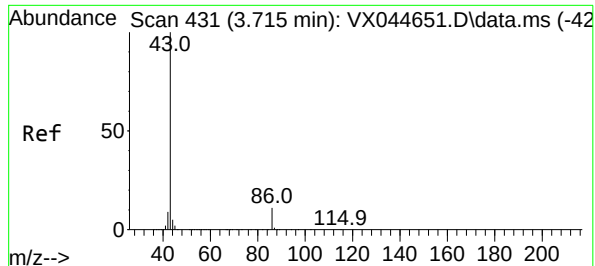
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#22
Diisopropyl ether
Concen: 93.579 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

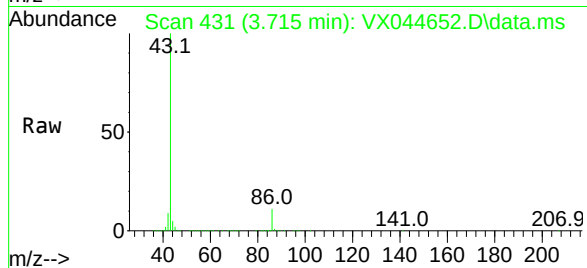
Tgt Ion: 45 Resp: 632562
Ion Ratio Lower Upper
45 100
43 76.7 61.0 91.6
87 28.0 22.7 34.1
59 11.8 9.4 14.2





#23
Vinyl Acetate
Concen: 471.863 ug/l
RT: 3.715 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

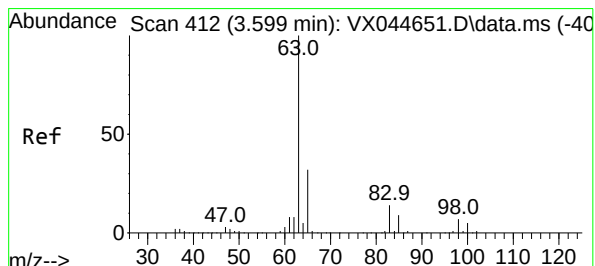
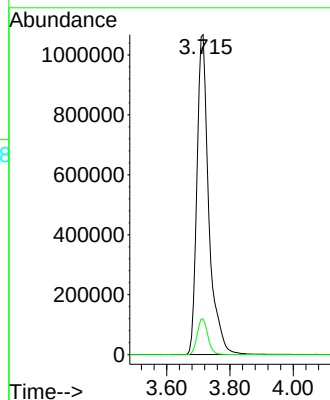
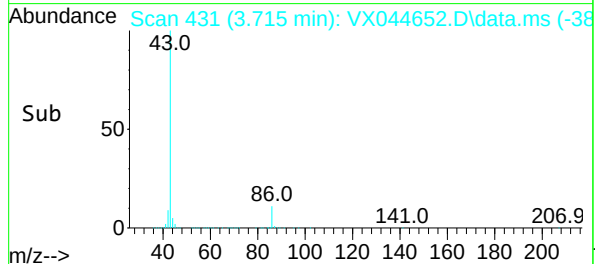
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 2791754
Ion Ratio Lower Upper
43 100
86 11.1 8.9 13.3

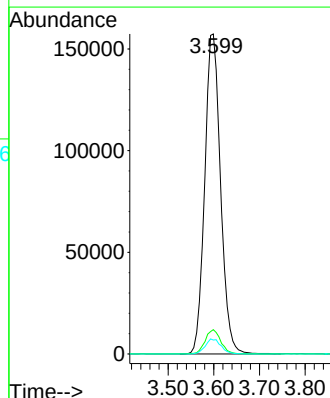
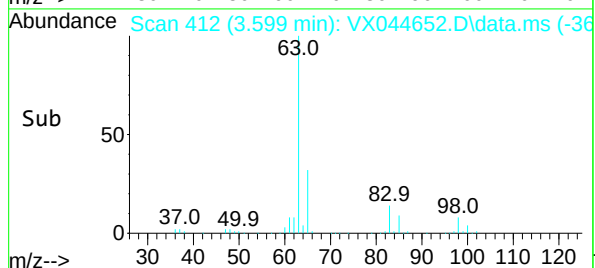
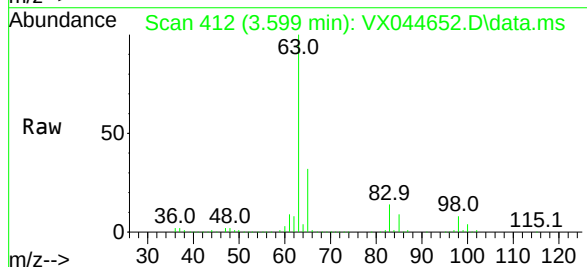
Manual Integrations
APPROVED

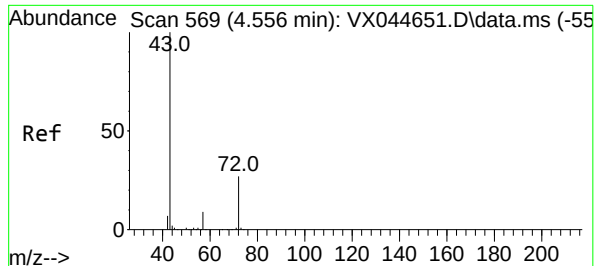
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#24
1,1-Dichloroethane
Concen: 94.530 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

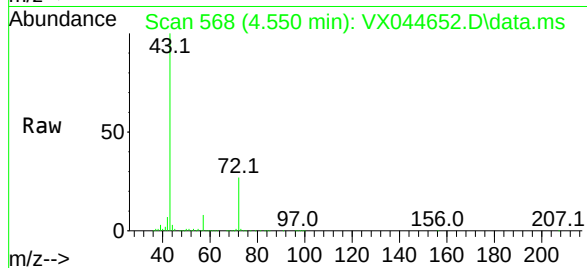
Tgt Ion: 63 Resp: 378924
Ion Ratio Lower Upper
63 100
98 7.6 3.6 10.9
100 4.4 2.5 7.5





#25
2-Butanone
Concen: 505.435 ug/l
RT: 4.550 min Scan# 50
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

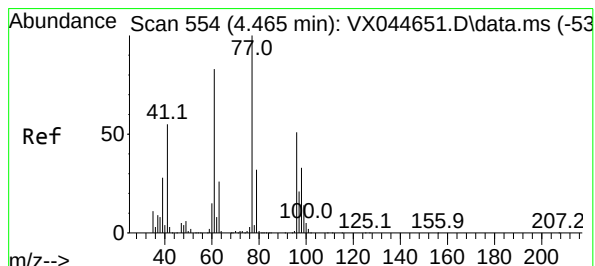
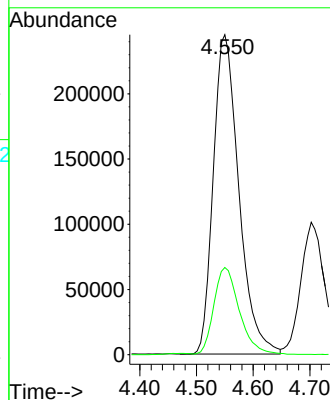
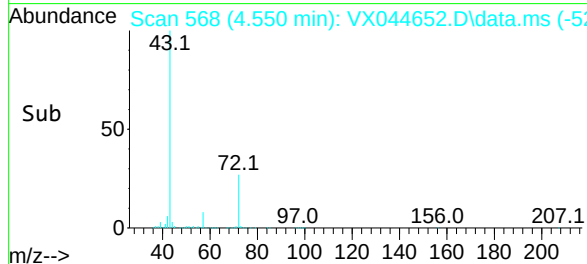
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 765500
Ion Ratio Lower Upper
43 100
72 26.9 21.7 32.5

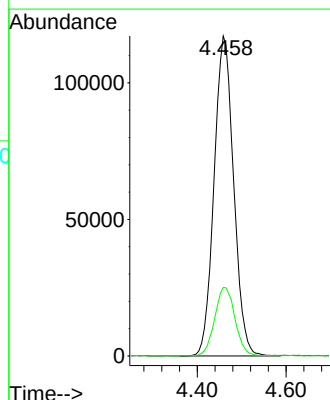
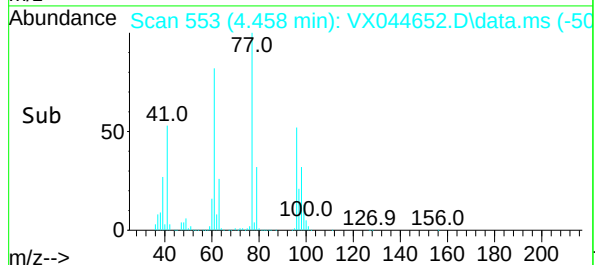
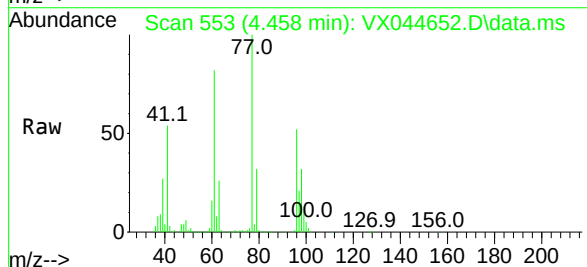
Manual Integrations
APPROVED

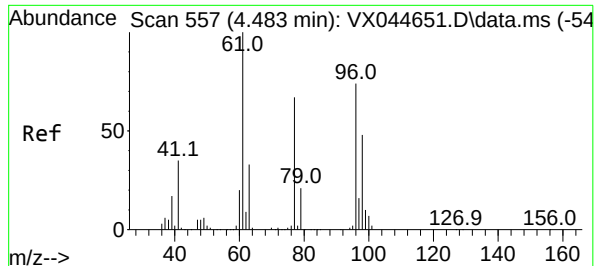
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#26
2,2-Dichloropropane
Concen: 92.064 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 77 Resp: 357666
Ion Ratio Lower Upper
77 100
97 22.0 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 91.559 ug/l

RT: 4.471 min Scan# 51

Delta R.T. -0.012 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 240149

Ion Ratio Lower Upper

96 100

61 147.5 0.0 296.0

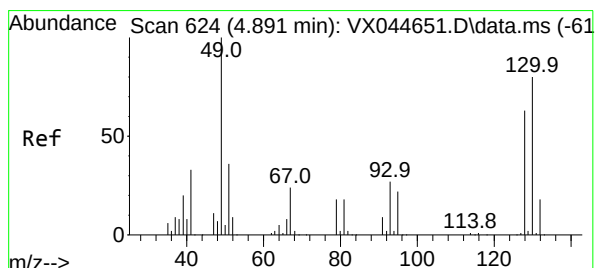
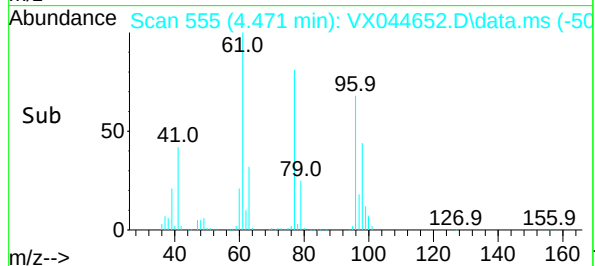
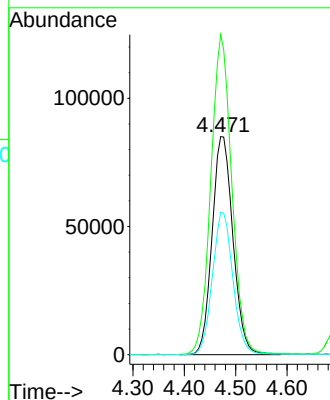
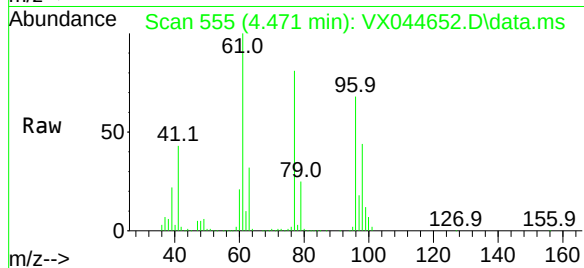
98 64.4 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#28

Bromochloromethane

Concen: 96.041 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

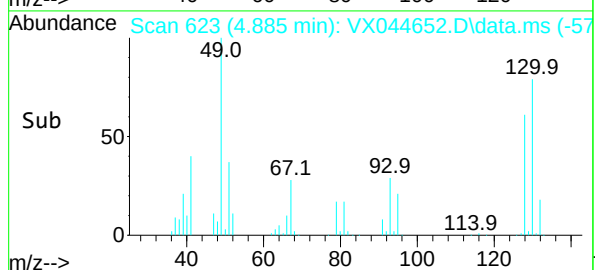
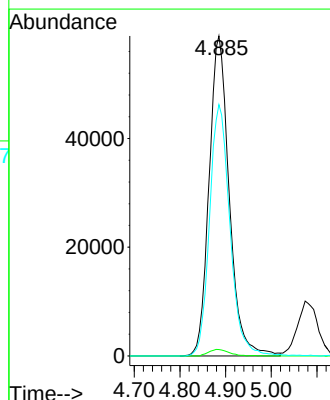
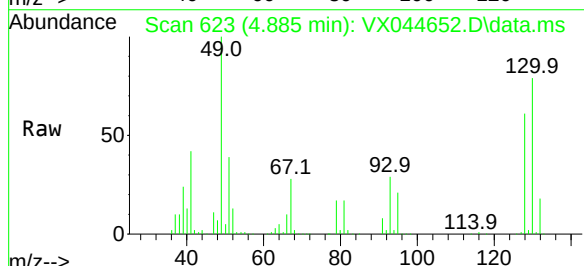
Tgt Ion: 49 Resp: 179896

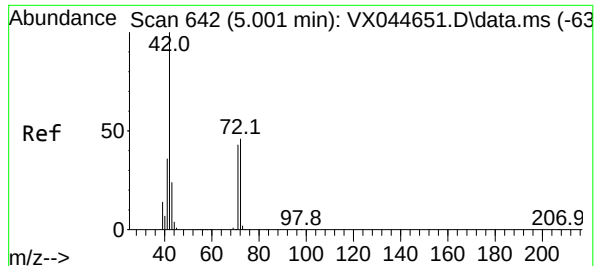
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

130 79.6 63.4 95.2





#29

Tetrahydrofuran

Concen: 488.500 ug/l

RT: 4.995 min Scan# 641

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 47722

Ion Ratio Lower Upper

42 100

72 47.6 38.2 57.4

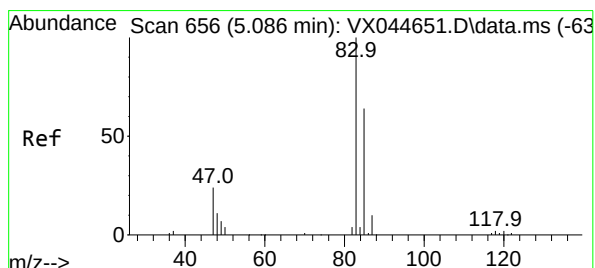
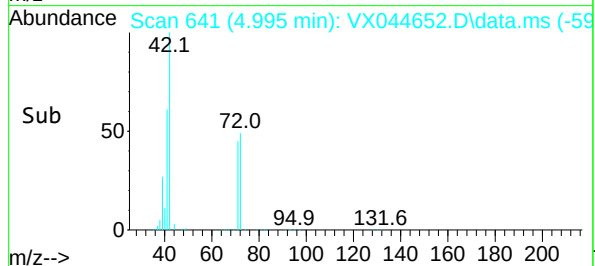
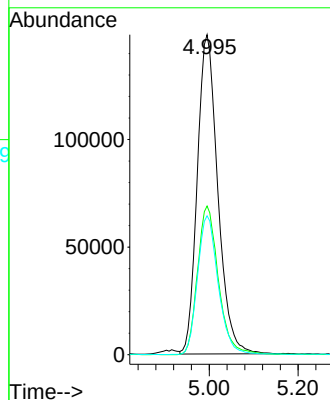
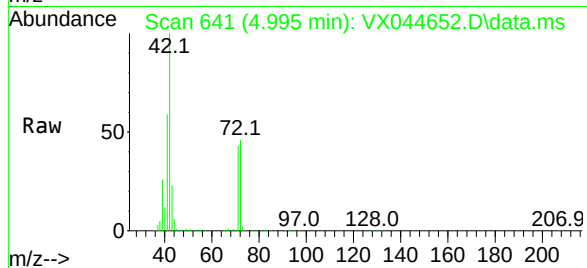
71 43.9 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#30

Chloroform

Concen: 92.373 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX044652.D

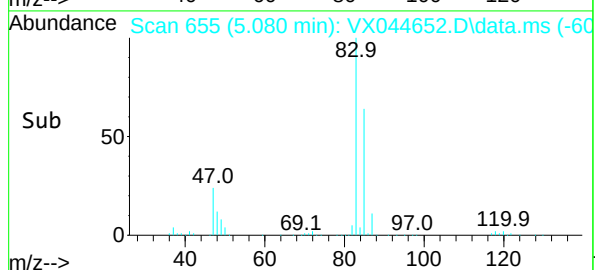
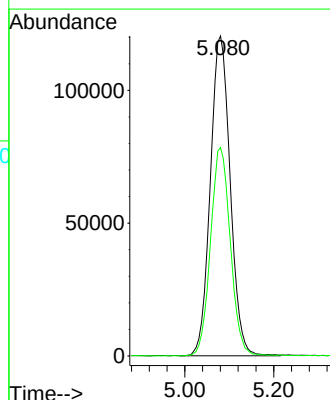
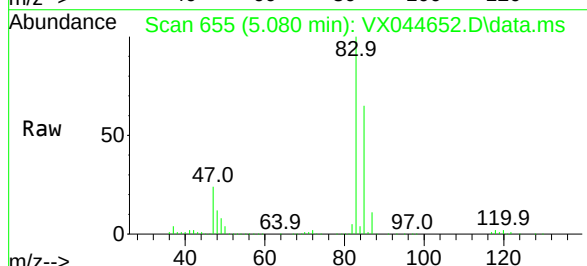
Acq: 15 Jan 2025 13:14

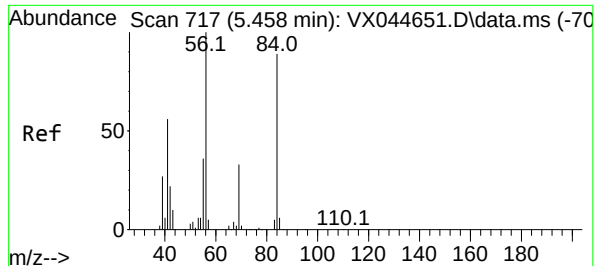
Tgt Ion: 83 Resp: 373681

Ion Ratio Lower Upper

83 100

85 65.1 51.2 76.8





#31

Cyclohexane

Concen: 98.436 ug/l

RT: 5.452 min Scan# 716

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 31913

Ion Ratio Lower Upper

56 100

69 32.0 26.8 40.2

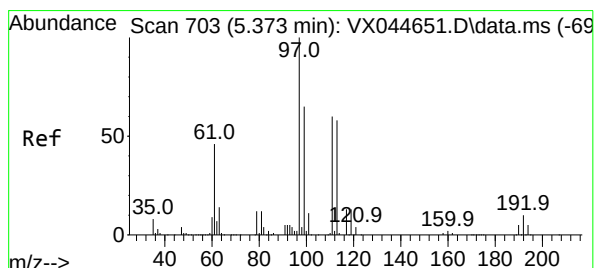
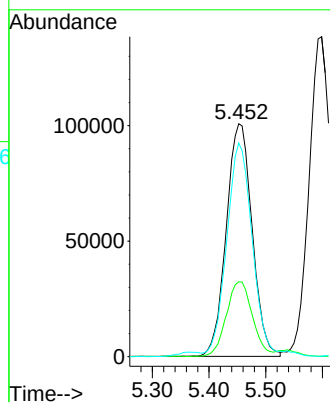
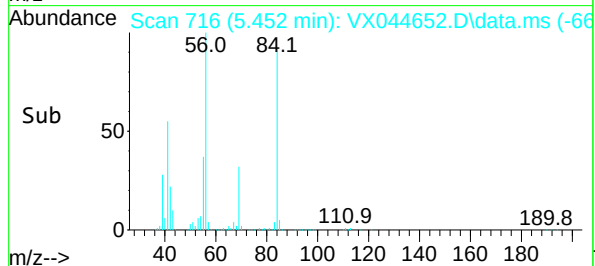
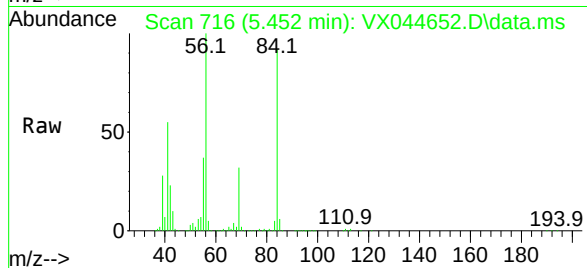
84 90.6 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#32

1,1,1-Trichloroethane

Concen: 90.918 ug/l

RT: 5.367 min Scan# 702

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

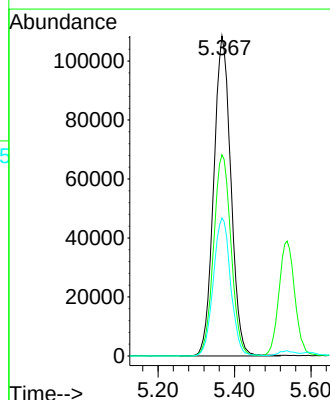
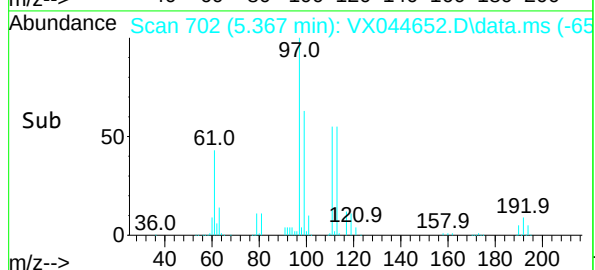
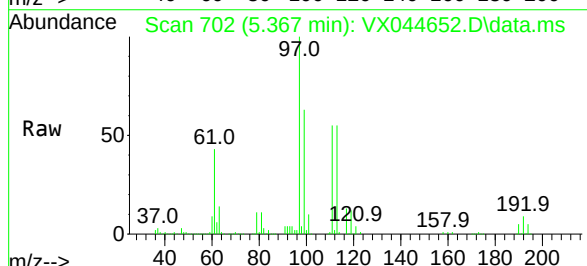
Tgt Ion: 97 Resp: 338119

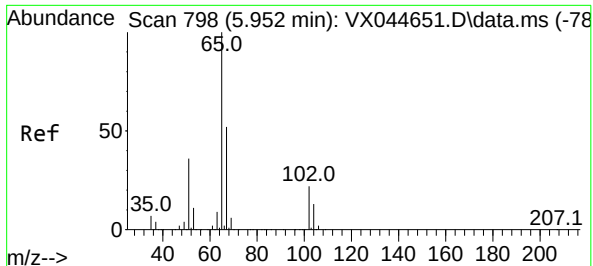
Ion Ratio Lower Upper

97 100

99 63.8 51.6 77.4

61 43.6 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 91.349 ug/l

RT: 5.940 min Scan# 798

Delta R.T. -0.012 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 23519

Ion Ratio Lower Upper

65 100

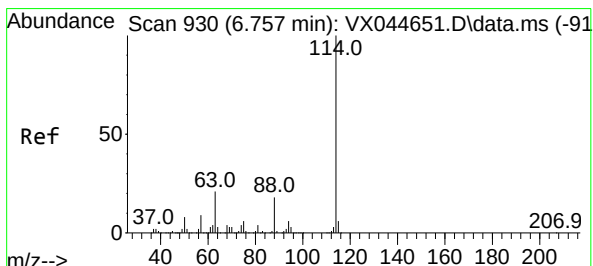
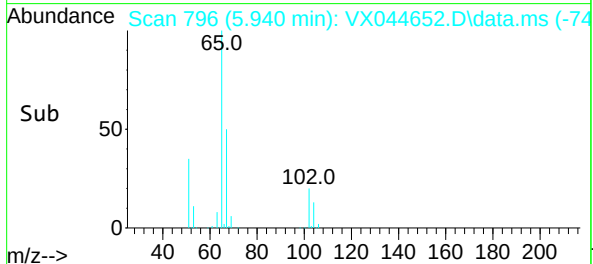
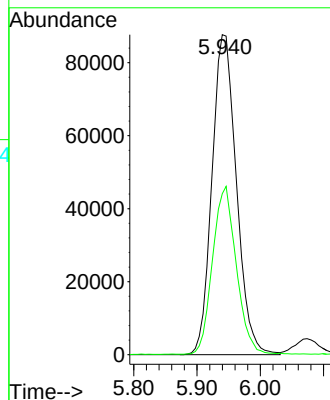
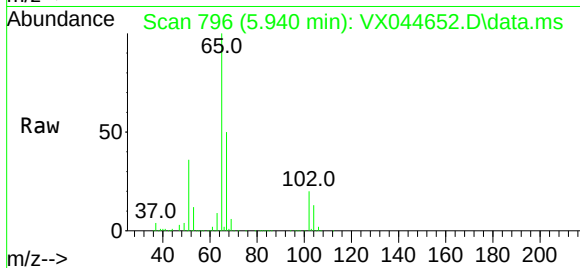
67 50.9 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

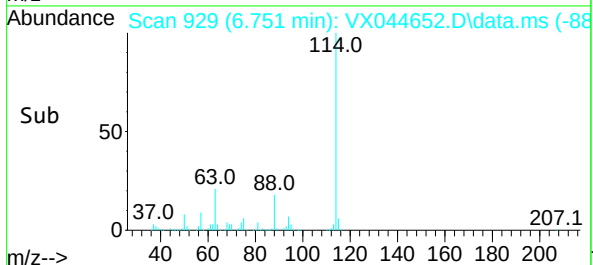
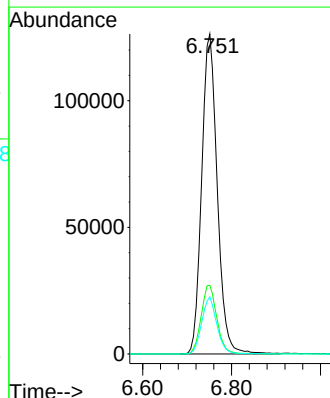
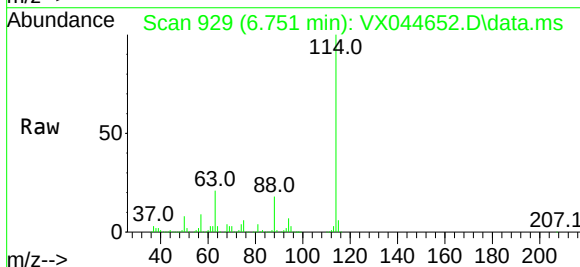
Tgt Ion:114 Resp: 308450

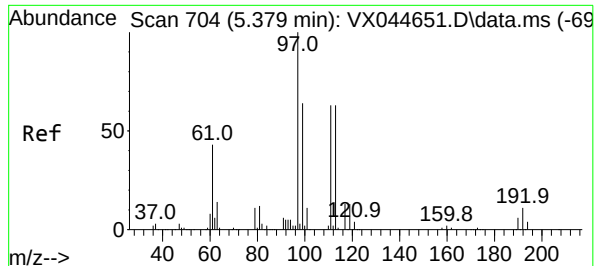
Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.0

88 17.8 0.0 35.4





#35

Dibromofluoromethane

Concen: 92.374 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 181010

Ion Ratio Lower Upper

113 100

111 103.1 81.6 122.4

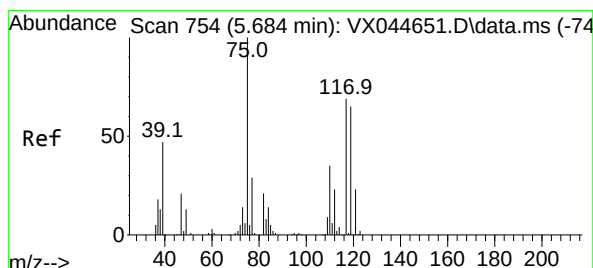
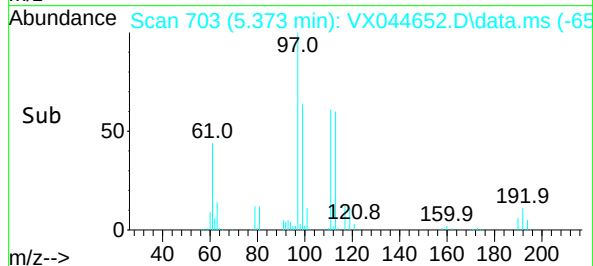
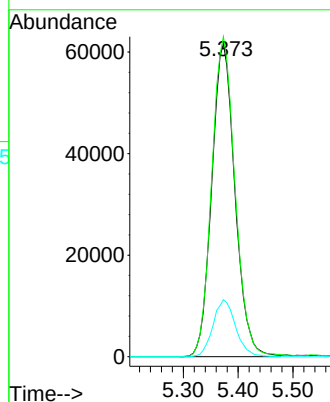
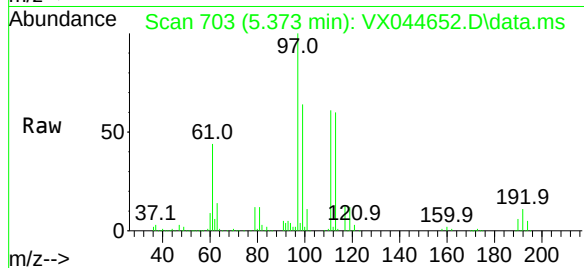
192 17.8 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#36

1,1-Dichloropropene

Concen: 93.746 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

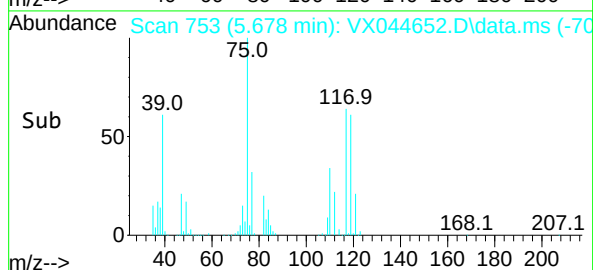
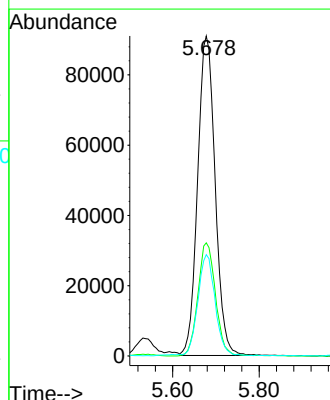
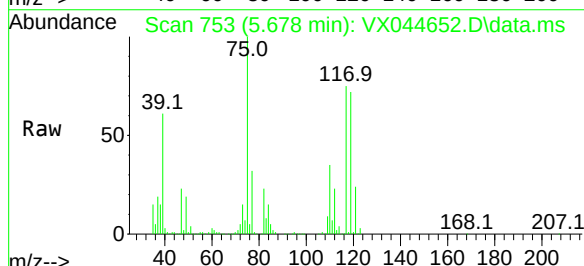
Tgt Ion: 75 Resp: 255714

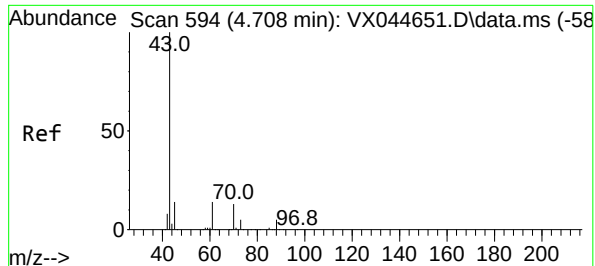
Ion Ratio Lower Upper

75 100

110 35.5 17.9 53.8

77 30.9 24.5 36.7





#37

Ethyl Acetate

Concen: 103.517 ug/l

RT: 4.702 min Scan# 594

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 300700

Ion Ratio Lower Upper

43 100

61 13.6 10.9 16.3

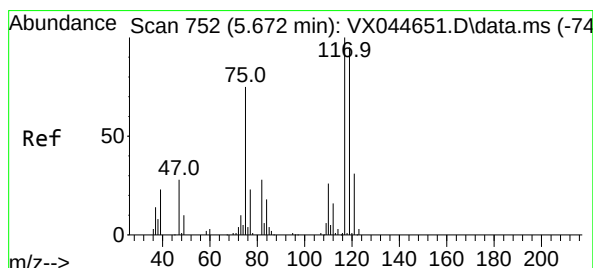
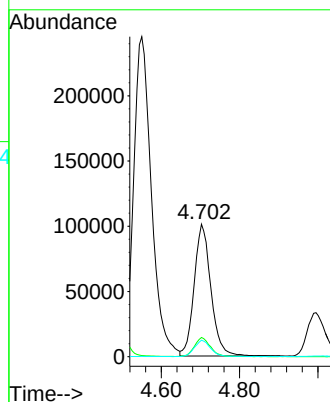
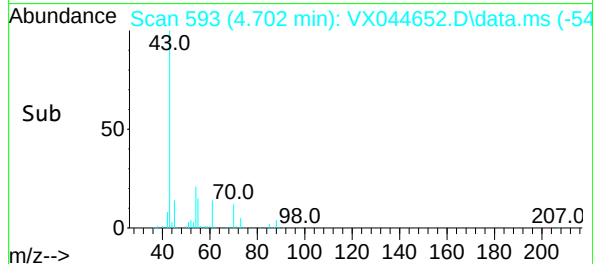
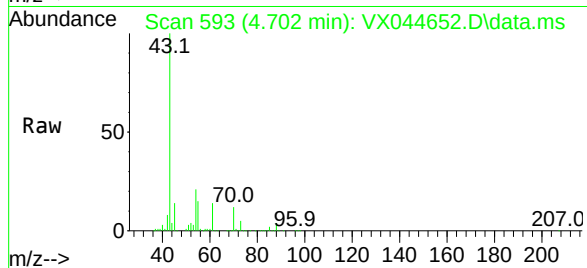
70 12.0 10.1 15.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#38

Carbon Tetrachloride

Concen: 93.555 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

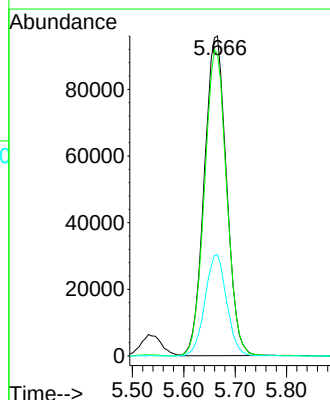
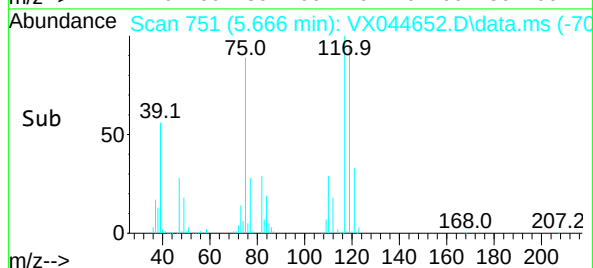
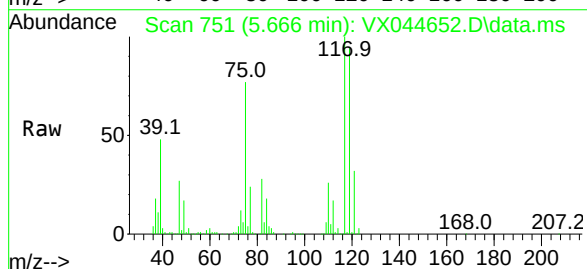
Tgt Ion:117 Resp: 287048

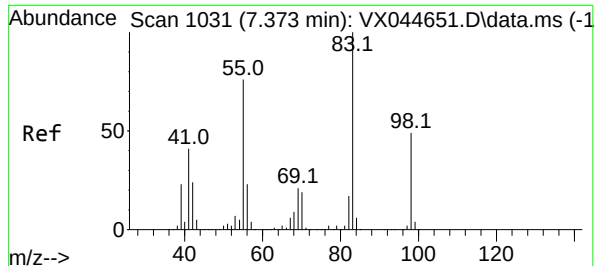
Ion Ratio Lower Upper

117 100

119 94.5 76.0 114.0

121 31.7 24.6 36.8





#39

Methylcyclohexane

Concen: 99.352 ug/l

RT: 7.367 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 359758

Ion Ratio Lower Upper

83 100

55 78.5 60.5 90.7

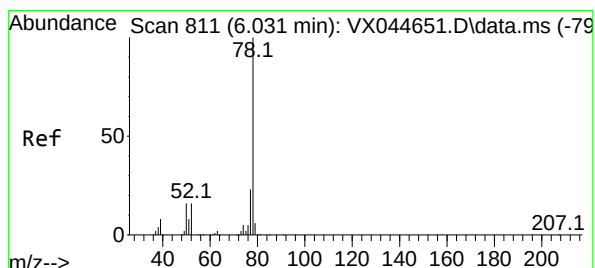
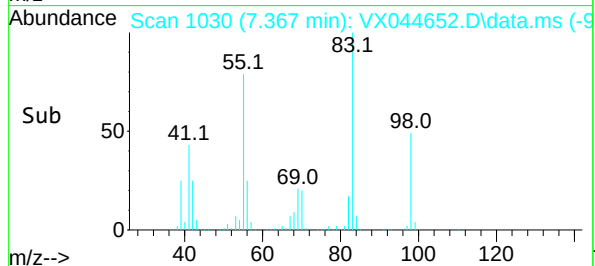
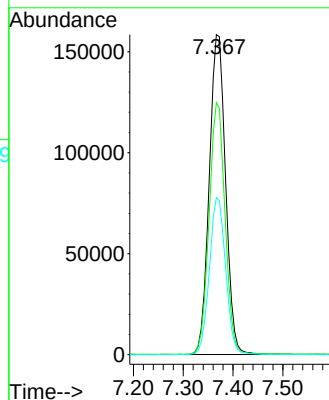
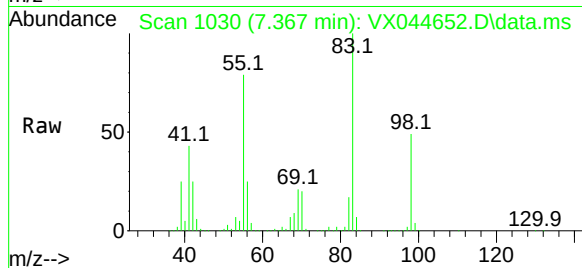
98 49.1 39.0 58.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#40

Benzene

Concen: 92.946 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX044652.D

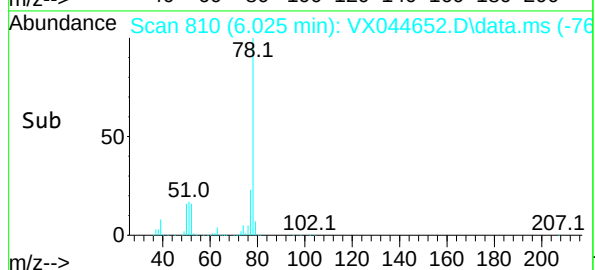
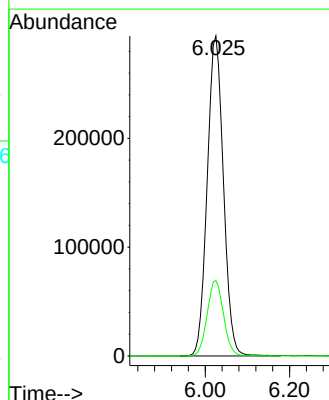
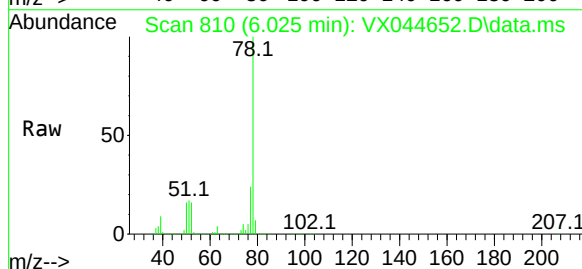
Acq: 15 Jan 2025 13:14

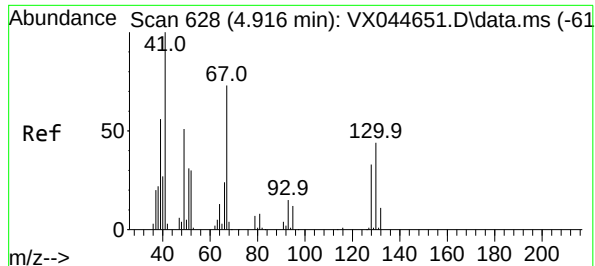
Tgt Ion: 78 Resp: 785626

Ion Ratio Lower Upper

78 100

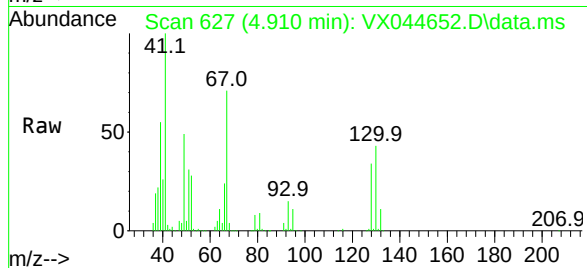
77 23.5 18.7 28.1





#41
Methacrylonitrile
Concen: 100.920 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

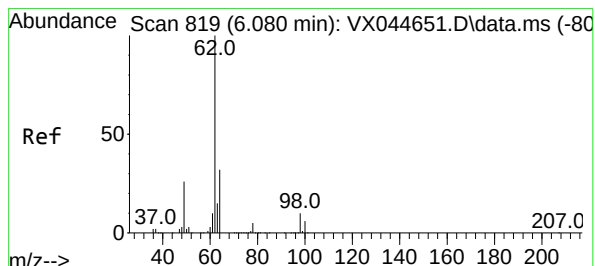
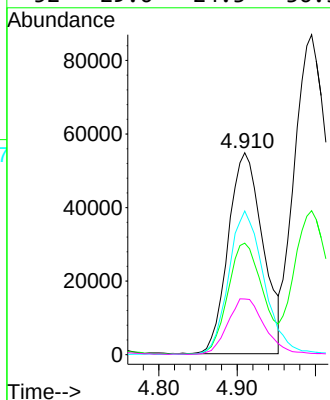
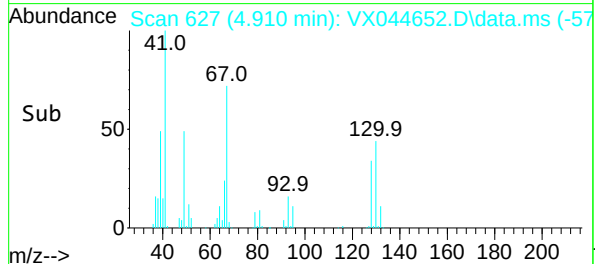
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 41 Resp: 16848
Ion Ratio Lower Upper
41 100
39 55.5 44.4 66.6
67 73.0 60.6 90.8
52 29.6 24.3 36.5

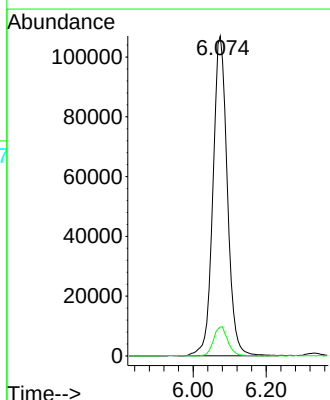
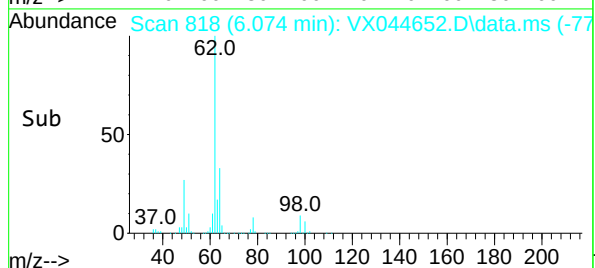
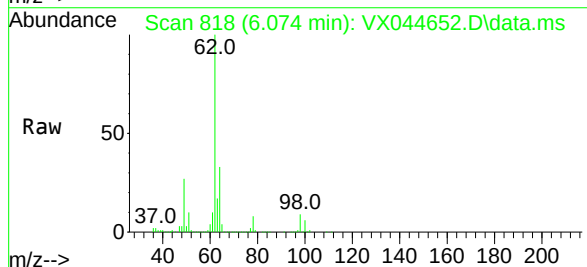
Manual Integrations
APPROVED

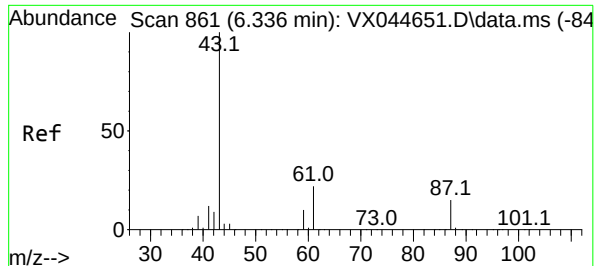
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#42
1,2-Dichloroethane
Concen: 94.663 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 62 Resp: 292036
Ion Ratio Lower Upper
62 100
98 9.2 0.0 19.4





#43

Isopropyl Acetate

Concen: 95.925 ug/l

RT: 6.330 min Scan# 861

Delta R.T. -0.006 min

Lab File: VX044652.D

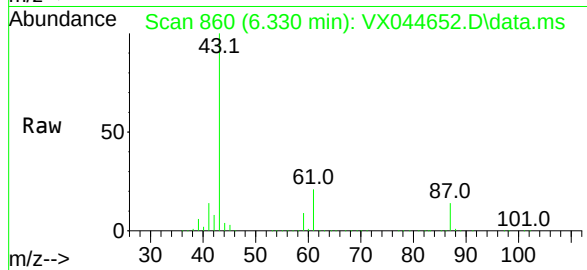
Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100



Tgt Ion: 43 Resp: 512598

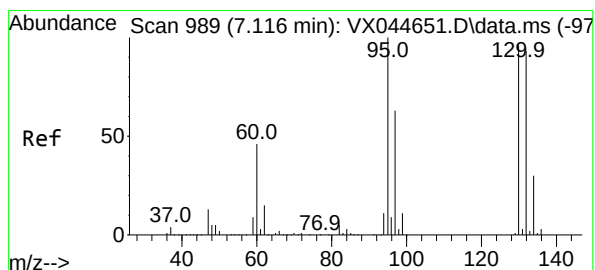
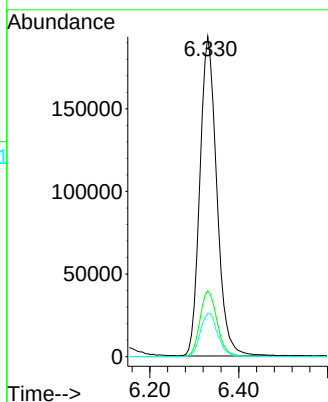
Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.6	24.8
87	14.0	11.0	16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#44

Trichloroethene

Concen: 98.212 ug/l

RT: 7.117 min Scan# 989

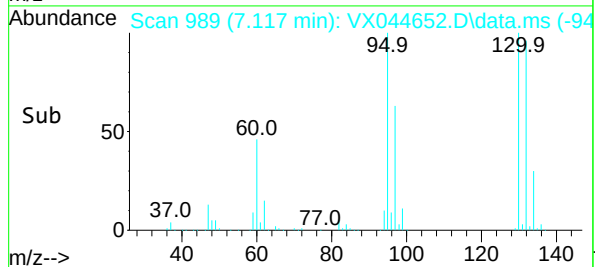
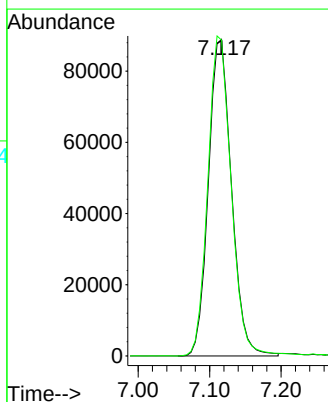
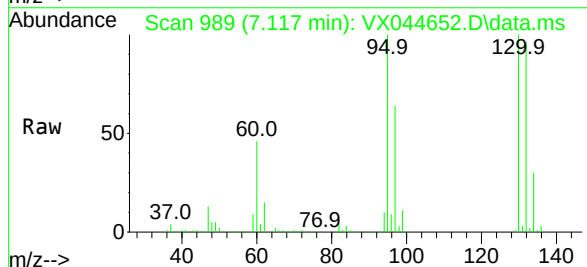
Delta R.T. 0.000 min

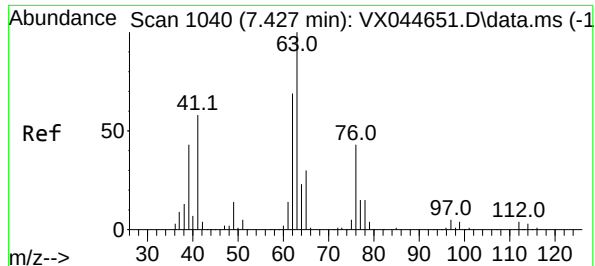
Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Tgt Ion:130 Resp: 199570

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	208.2





#45

1,2-Dichloropropane

Concen: 94.413 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 20087

Ion Ratio Lower Upper

63 100

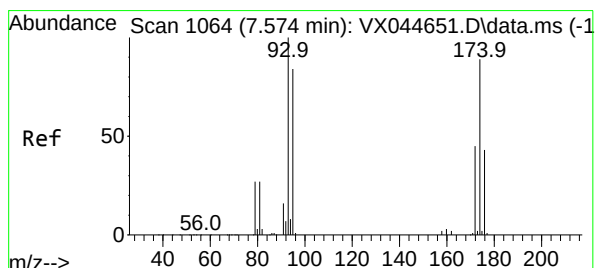
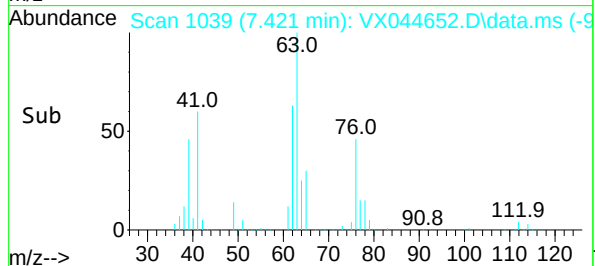
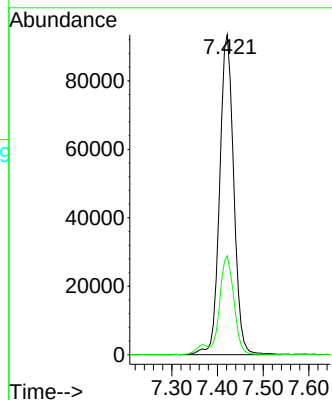
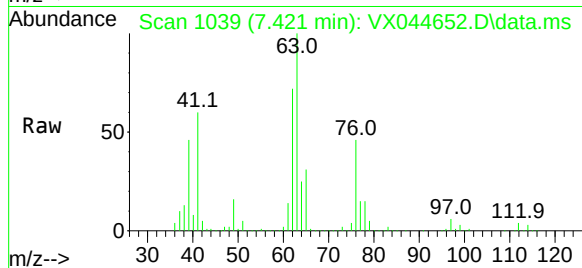
65 30.9 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#46

Dibromomethane

Concen: 92.680 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

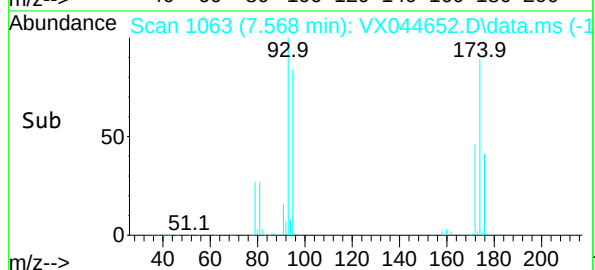
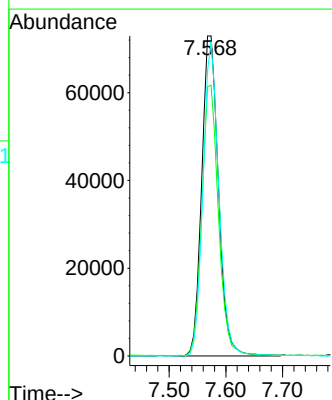
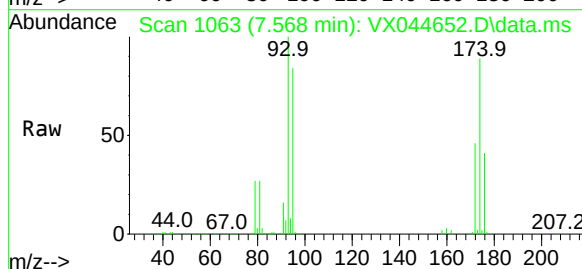
Tgt Ion: 93 Resp: 150112

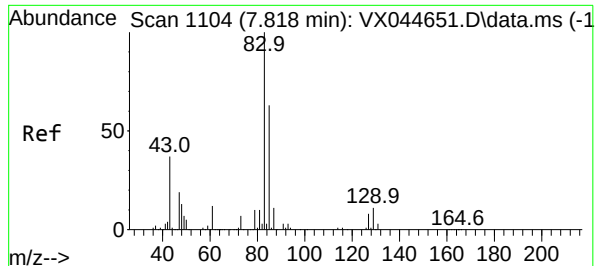
Ion Ratio Lower Upper

93 100

95 83.5 66.4 99.6

174 92.9 72.0 108.0





#47

Bromodichloromethane

Concen: 92.723 ug/l

RT: 7.812 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 307990

Ion Ratio Lower Upper

83 100

85 63.3 50.1 75.1

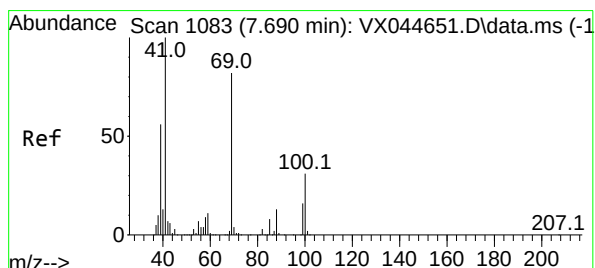
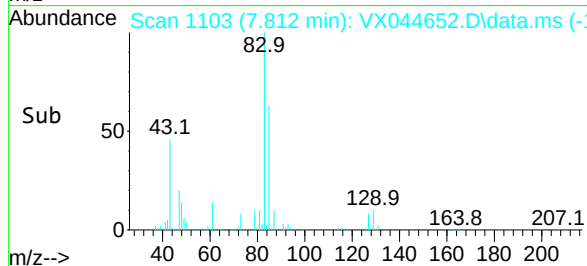
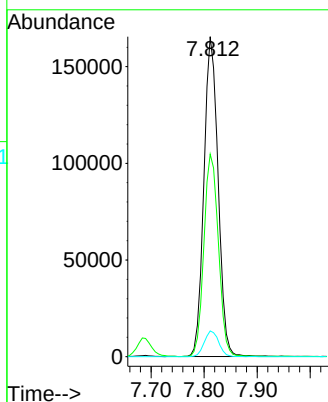
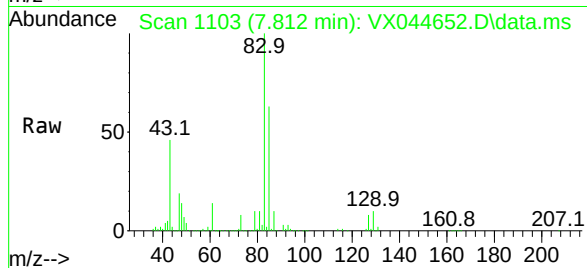
127 8.0 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#48

Methyl methacrylate

Concen: 100.250 ug/l

RT: 7.684 min Scan# 1082

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

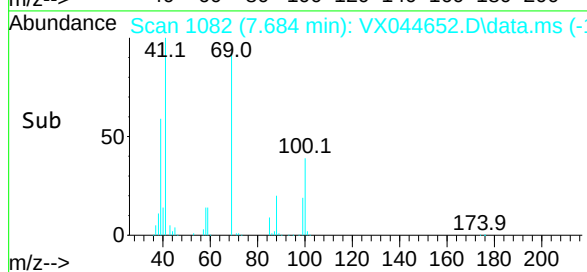
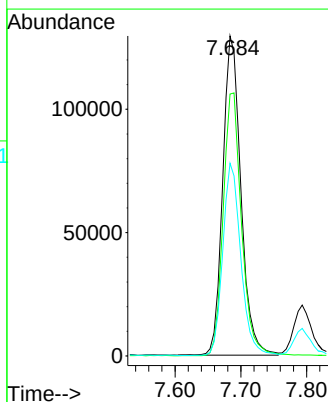
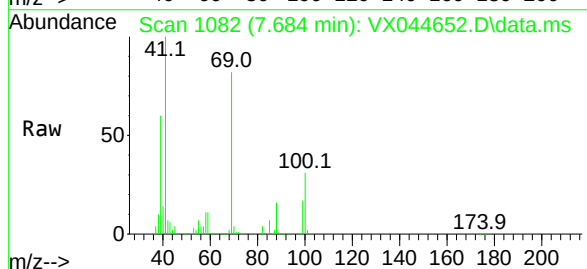
Tgt Ion: 41 Resp: 248667

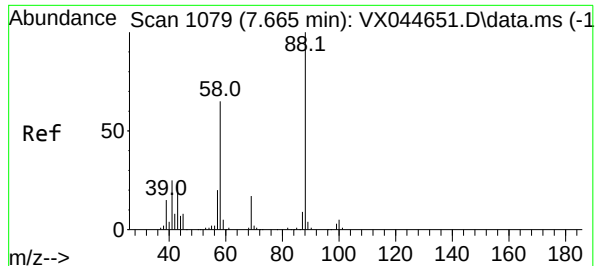
Ion Ratio Lower Upper

41 100

69 83.6 66.8 100.2

39 59.8 47.4 71.0





#49

1,4-Dioxane

Concen: 1959.056 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 88 Resp: 101384

Ion Ratio Lower Upper

88 100

43 33.1 27.0 40.4

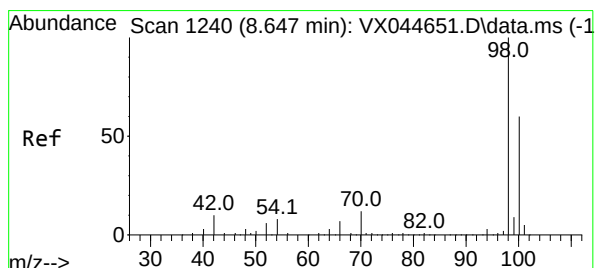
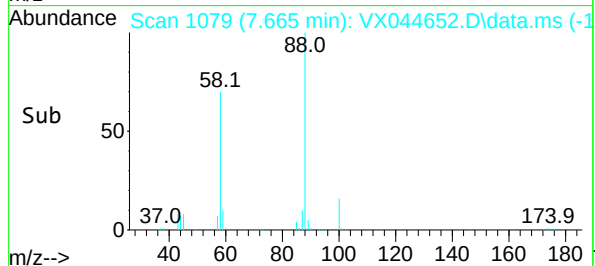
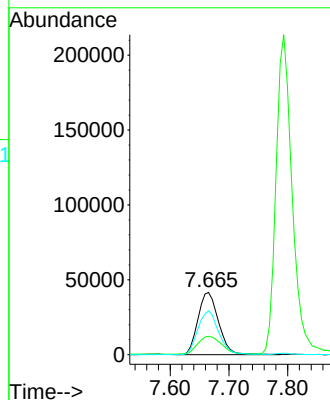
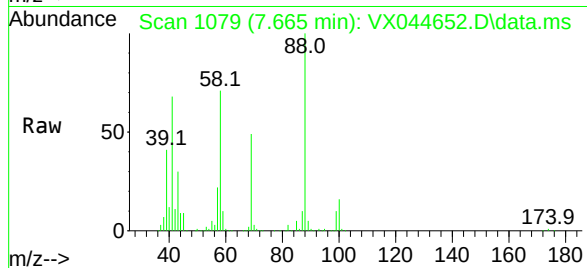
58 71.0 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#50

Toluene-d8

Concen: 90.404 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX044652.D

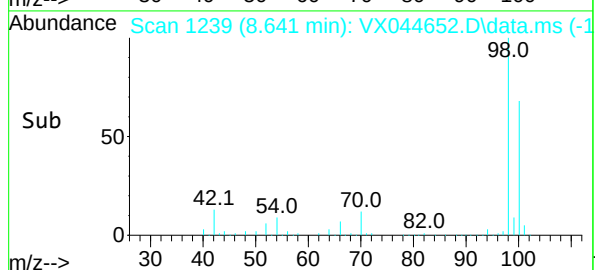
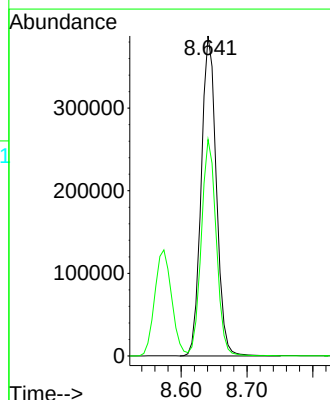
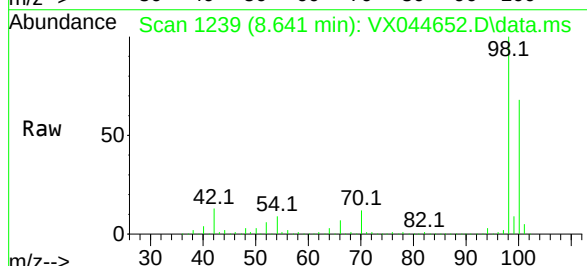
Acq: 15 Jan 2025 13:14

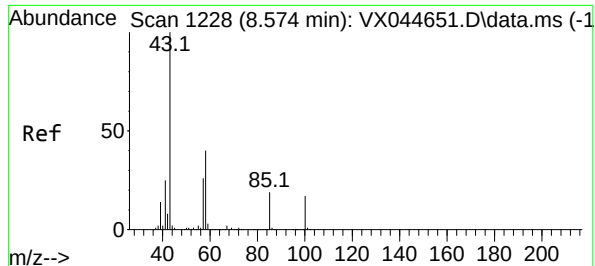
Tgt Ion: 98 Resp: 617688

Ion Ratio Lower Upper

98 100

100 66.8 53.2 79.8





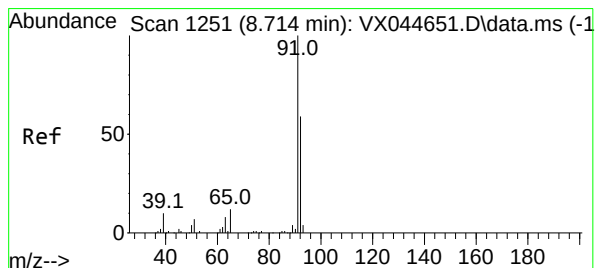
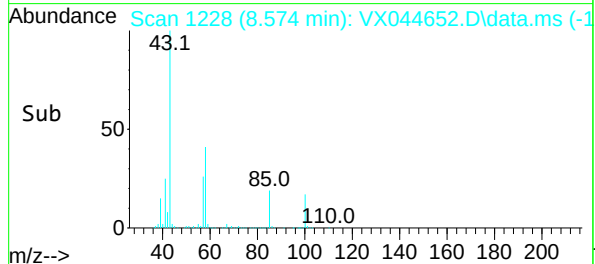
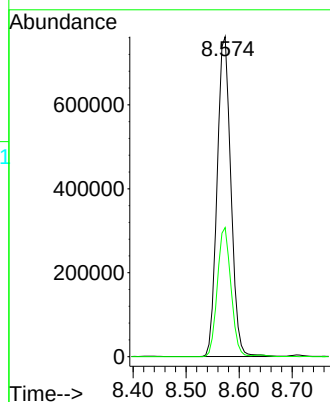
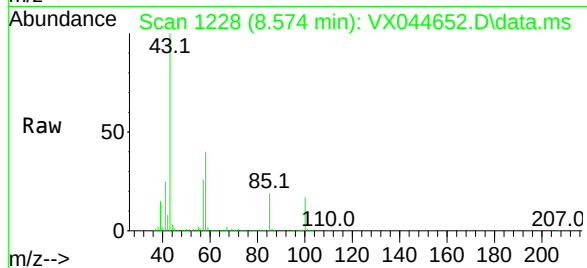
#51
4-Methyl-2-Pentanone
Concen: 464.897 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 137288
Ion Ratio Lower Upper
43 100
58 40.0 31.9 47.9

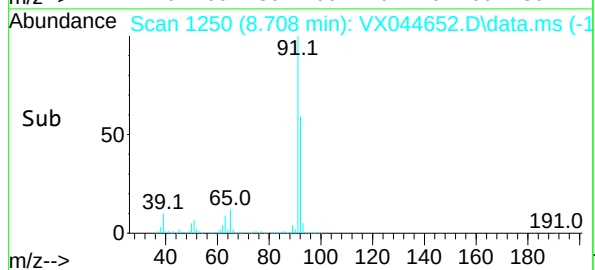
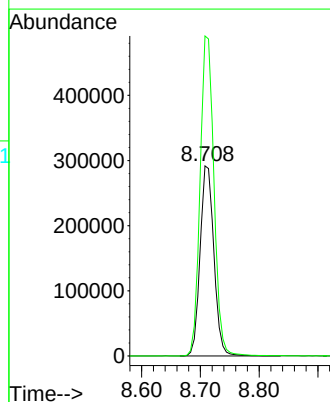
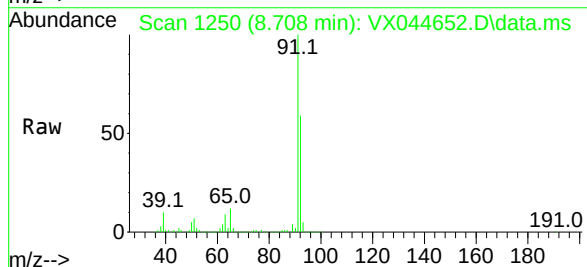
Manual Integrations
APPROVED

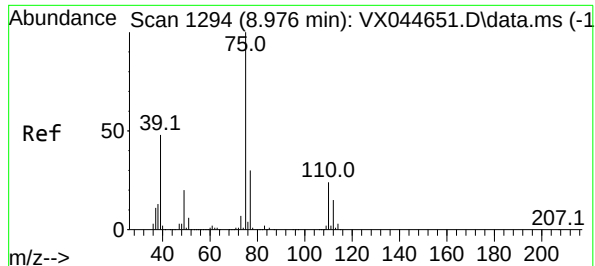
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#52
Toluene
Concen: 91.697 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 92 Resp: 474392
Ion Ratio Lower Upper
92 100
91 169.3 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 96.446 ug/l

RT: 8.970 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 33098

Ion Ratio Lower Upper

75 100

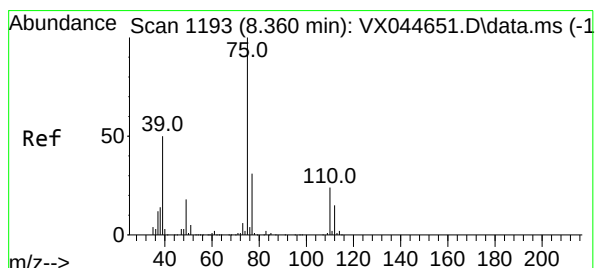
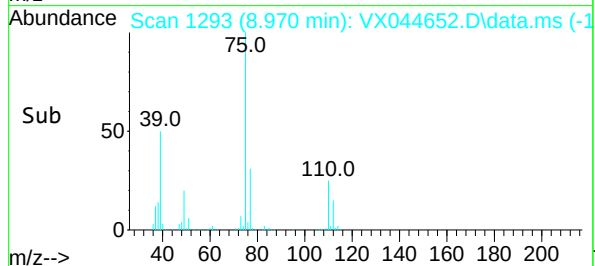
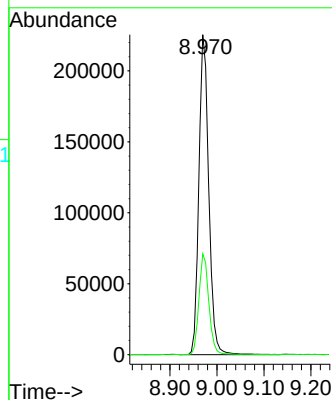
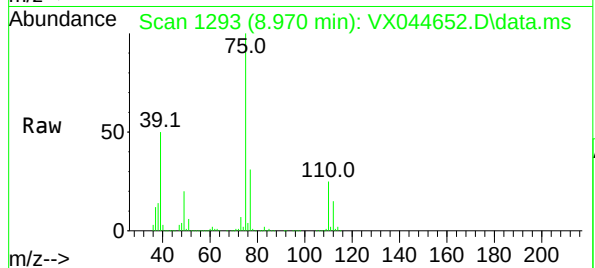
77 31.5 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#54

cis-1,3-Dichloropropene

Concen: 93.927 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

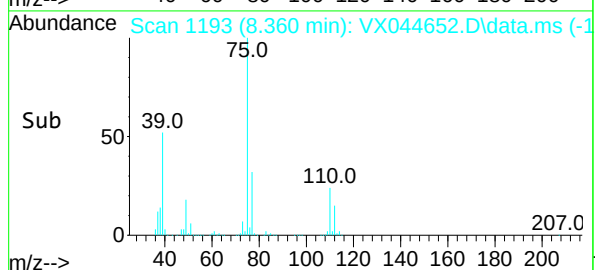
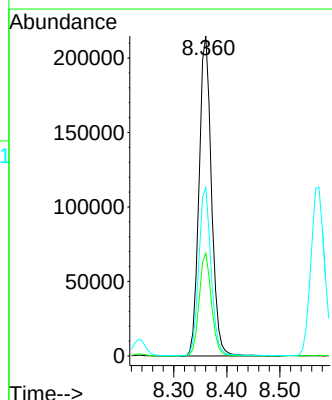
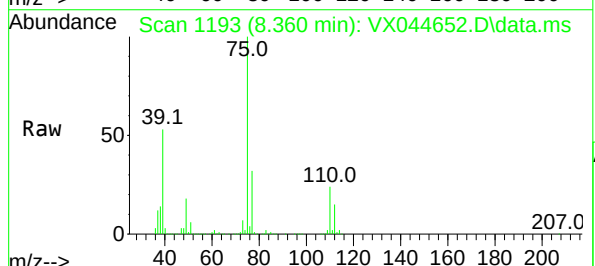
Tgt Ion: 75 Resp: 349516

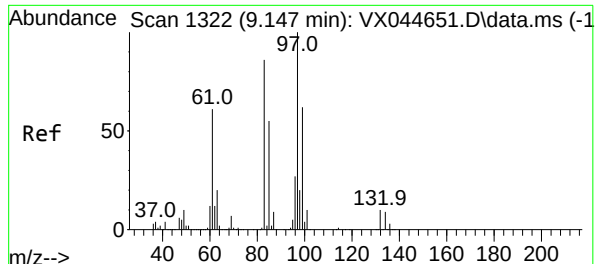
Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7

39 52.5 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 91.885 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 192320

Ion Ratio Lower Upper

97 100

83 83.1 68.8 103.2

85 53.4 43.7 65.5

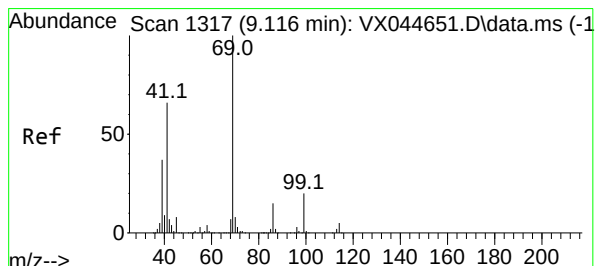
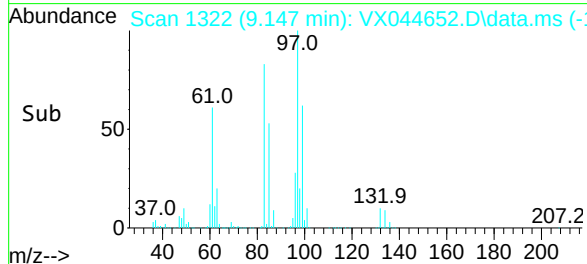
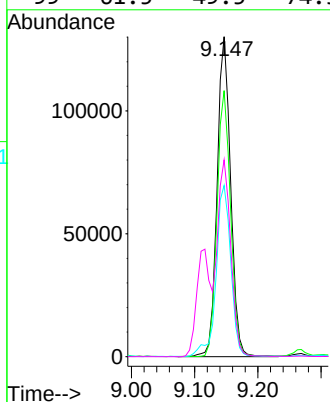
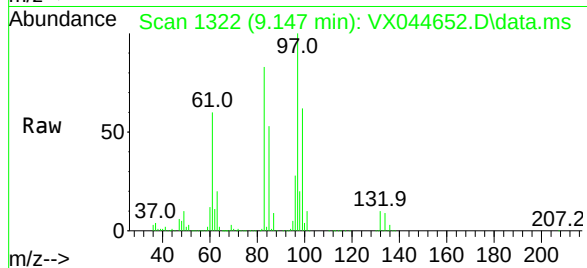
99 61.5 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#56

Ethyl methacrylate

Concen: 93.812 ug/l

RT: 9.110 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

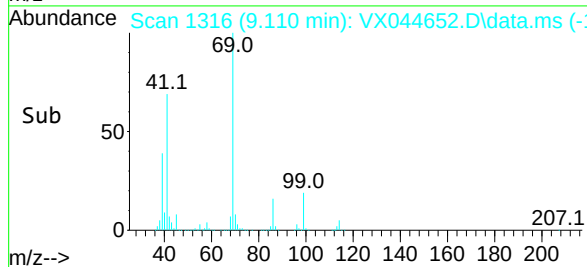
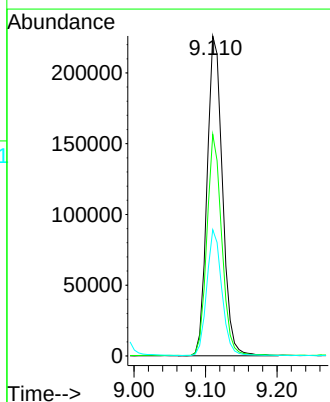
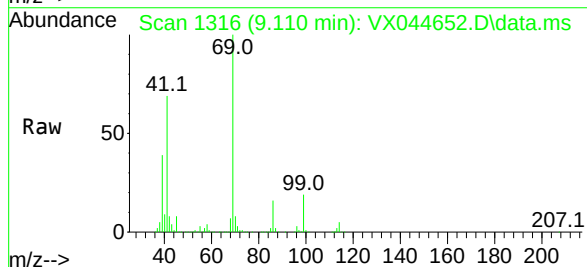
Tgt Ion: 69 Resp: 337626

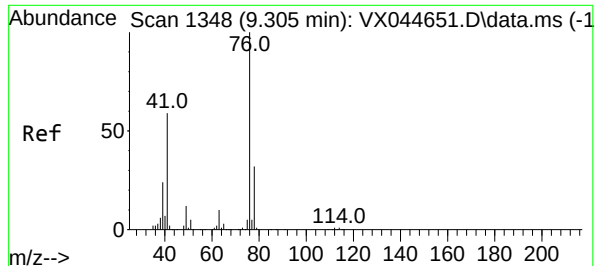
Ion Ratio Lower Upper

69 100

41 66.7 53.2 79.8

39 38.4 30.2 45.2





#57

1,3-Dichloropropane

Concen: 91.220 ug/l

RT: 9.305 min Scan# 1134

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 32514

Ion Ratio Lower Upper

76 100

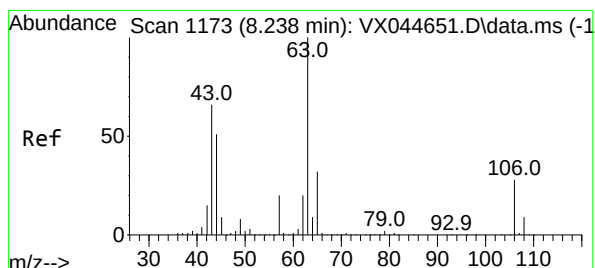
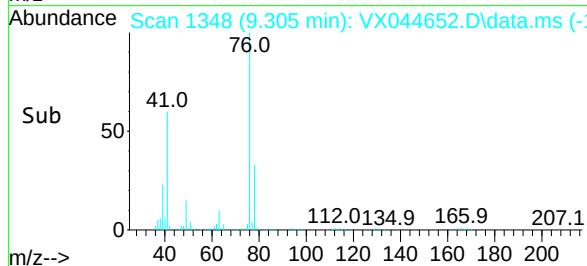
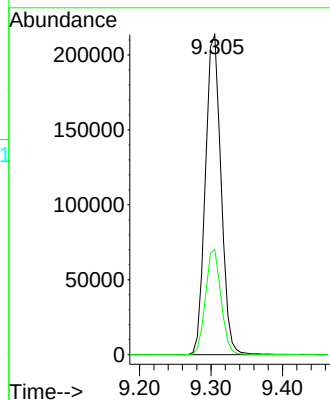
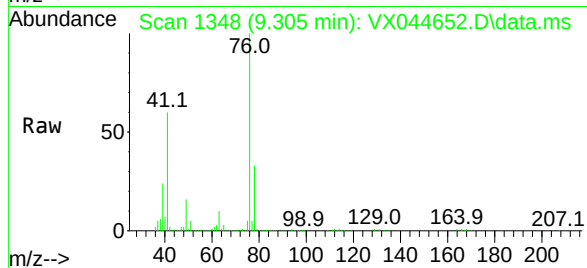
78 32.7 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#58

2-Chloroethyl Vinyl ether

Concen: 462.693 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044652.D

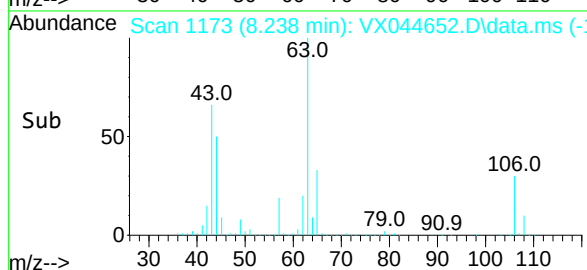
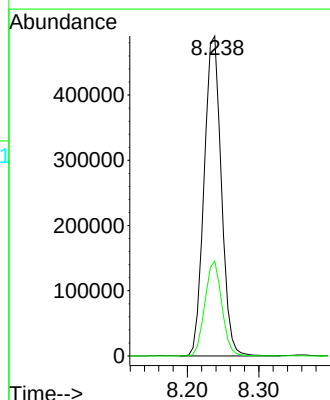
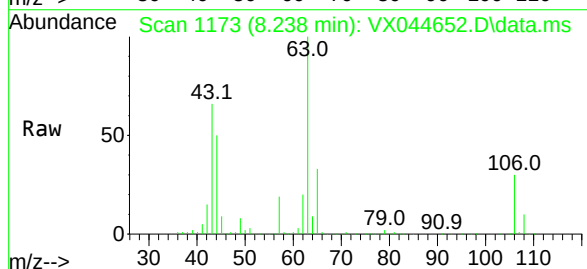
Acq: 15 Jan 2025 13:14

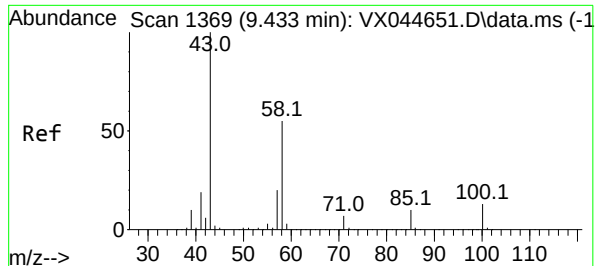
Tgt Ion: 63 Resp: 817528

Ion Ratio Lower Upper

63 100

106 29.3 23.0 34.6





#59

2-Hexanone

Concen: 469.454 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 1019940

Ion Ratio Lower Upper

43 100

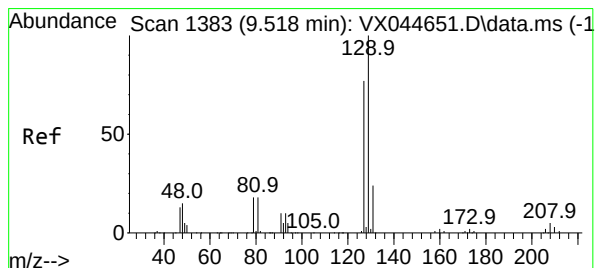
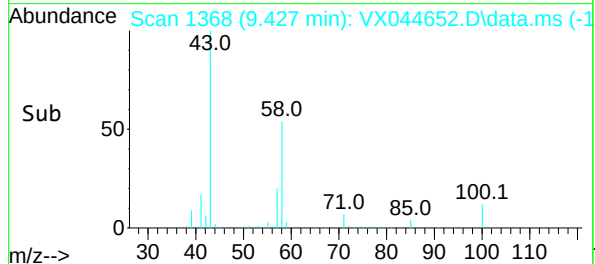
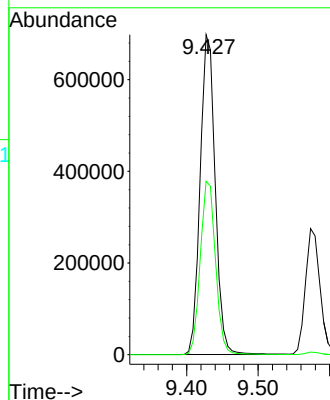
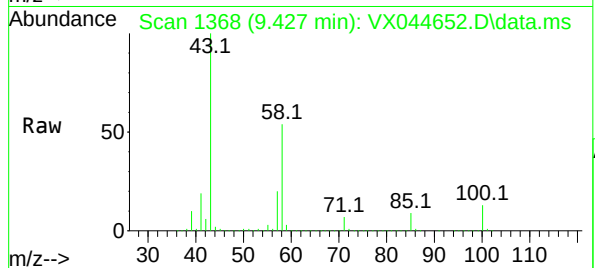
58 55.0 27.8 83.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#60

Dibromochloromethane

Concen: 92.570 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044652.D

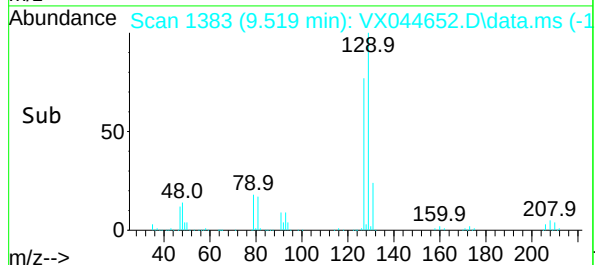
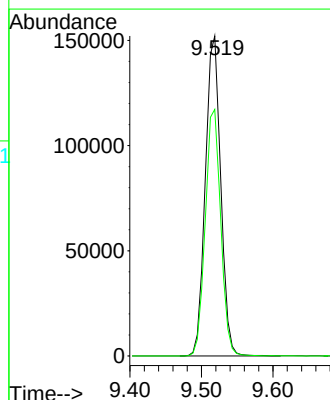
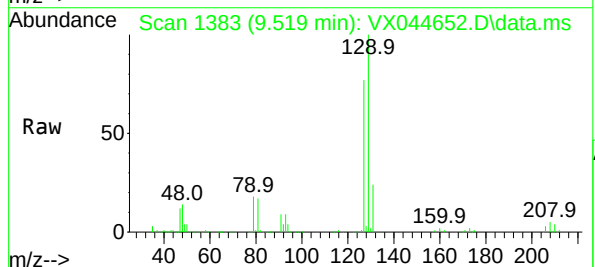
Acq: 15 Jan 2025 13:14

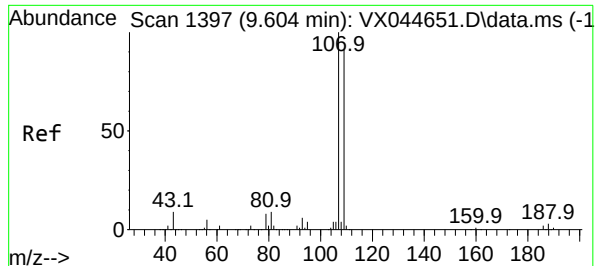
Tgt Ion:129 Resp: 227418

Ion Ratio Lower Upper

129 100

127 77.5 38.5 115.5





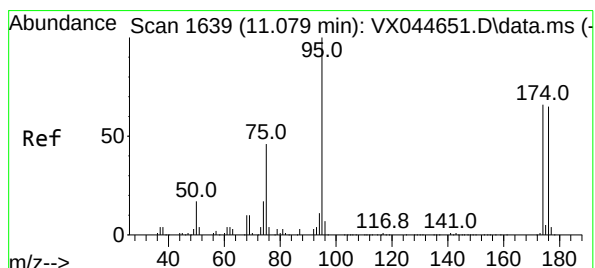
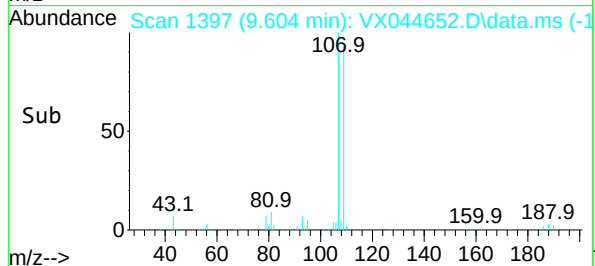
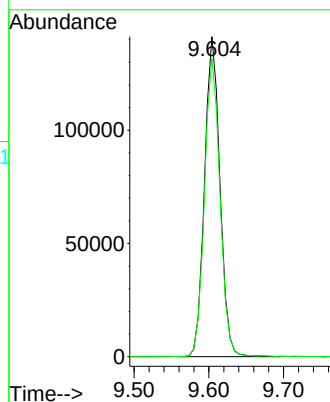
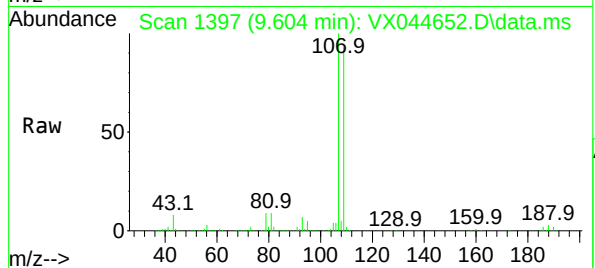
#61
1,2-Dibromoethane
Concen: 92.200 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 20224
Ion Ratio Lower Upper
107 100
109 93.7 75.3 112.9

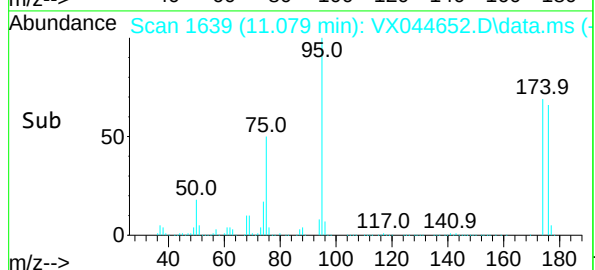
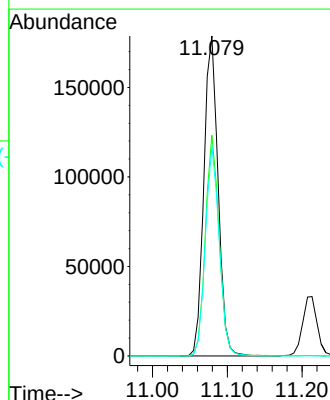
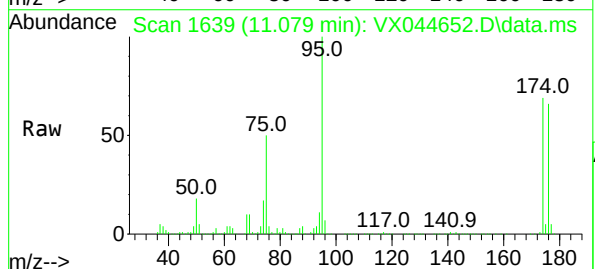
Manual Integrations
APPROVED

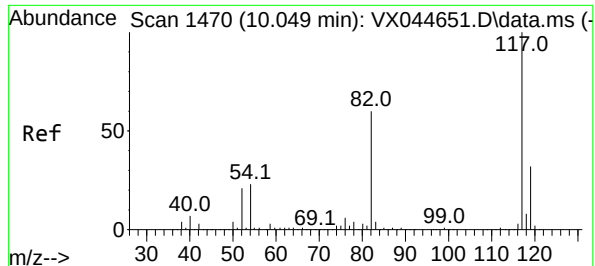
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#62
4-Bromofluorobenzene
Concen: 92.702 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

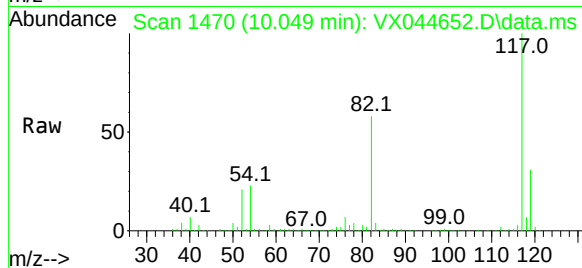
Tgt Ion: 95 Resp: 236119
Ion Ratio Lower Upper
95 100
174 66.9 0.0 133.0
176 64.0 0.0 129.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

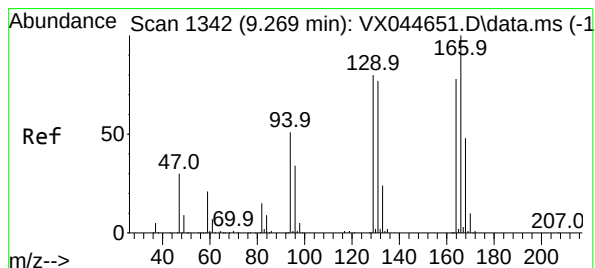
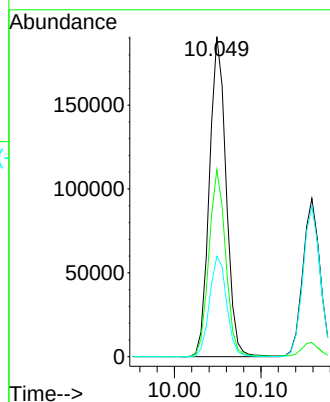
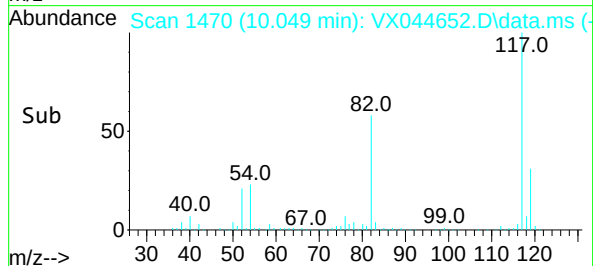
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:117 Resp: 255880
Ion Ratio Lower Upper
117 100
82 58.3 47.6 71.4
119 31.3 25.4 38.2

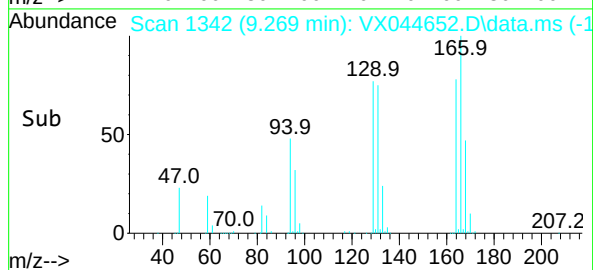
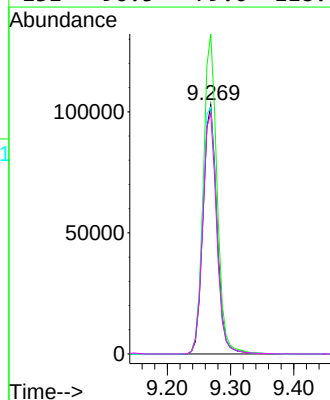
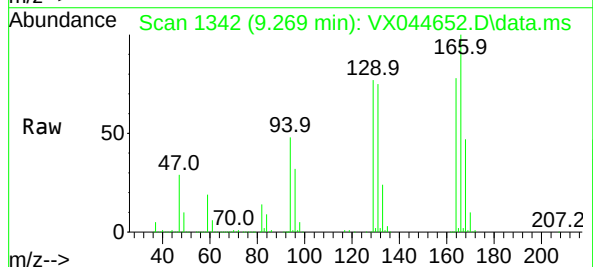
Manual Integrations
APPROVED

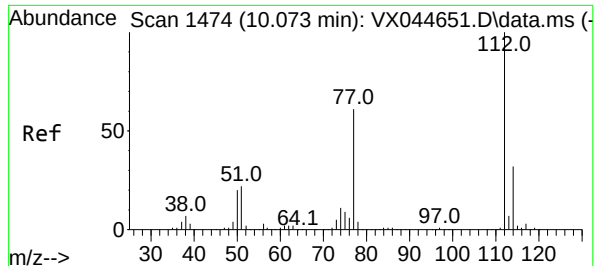
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#64
Tetrachloroethene
Concen: 98.176 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

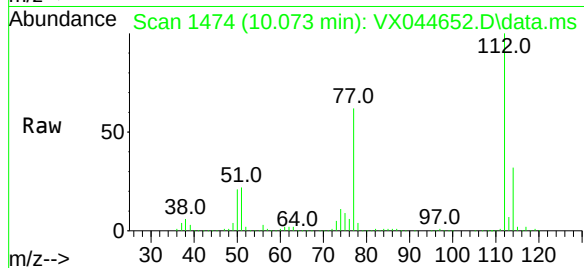
Tgt Ion:164 Resp: 157748
Ion Ratio Lower Upper
164 100
166 128.4 102.0 153.0
129 98.9 81.1 121.7
131 96.5 79.0 118.6





#65
Chlorobenzene
Concen: 94.003 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

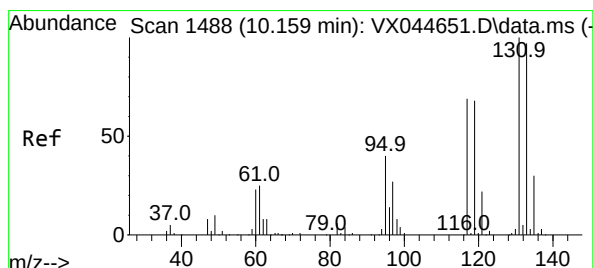
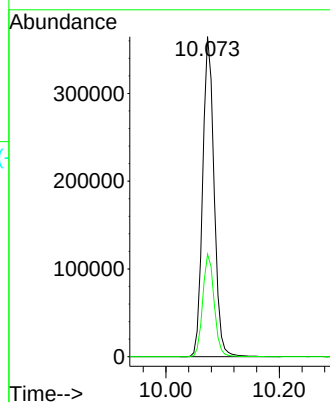
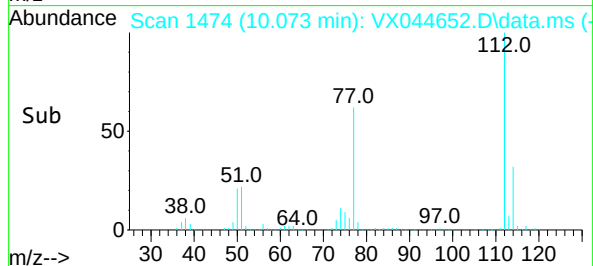
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



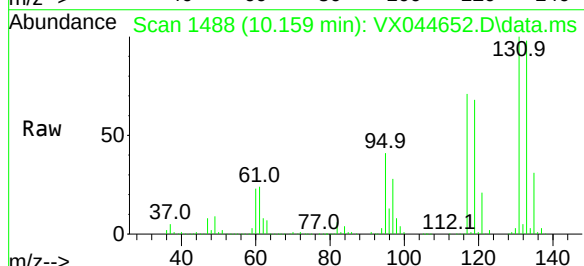
Tgt Ion:112 Resp: 510910
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9

Manual Integrations
APPROVED

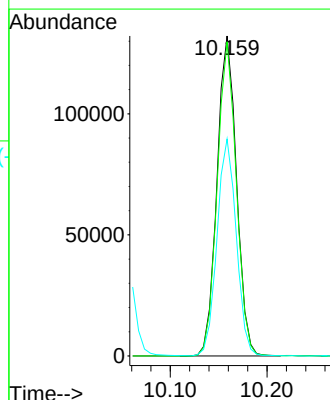
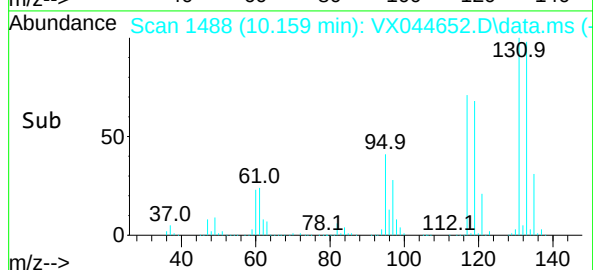
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

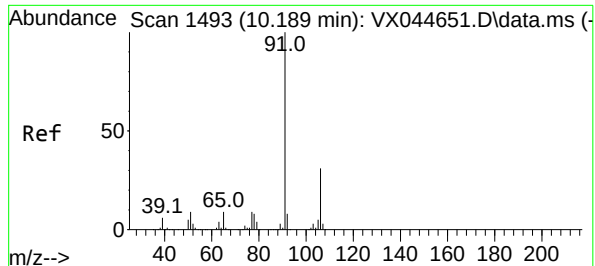


#66
1,1,1,2-Tetrachloroethane
Concen: 93.565 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14



Tgt Ion:131 Resp: 184816
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.3
119 67.1 33.4 100.2





#67

Ethyl Benzene

Concen: 95.872 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 909208

Ion Ratio Lower Upper

91 100

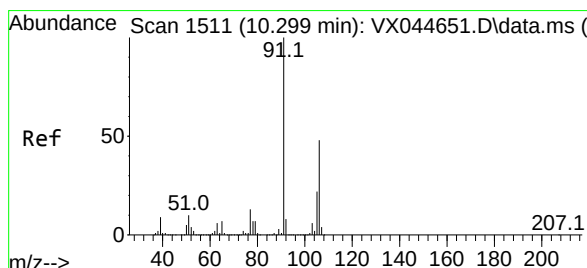
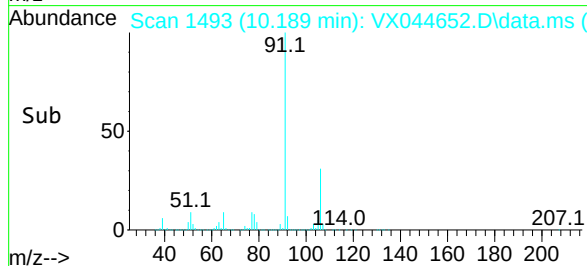
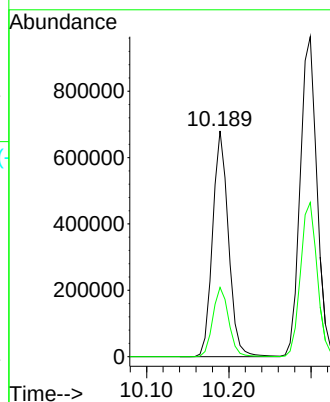
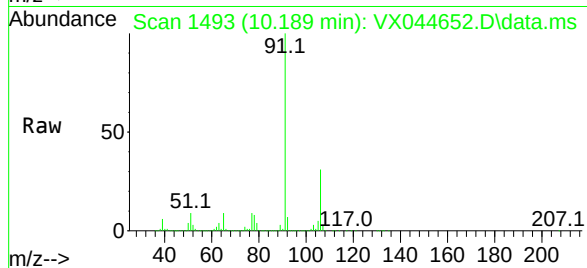
106 30.7 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#68

m/p-Xylenes

Concen: 187.963 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044652.D

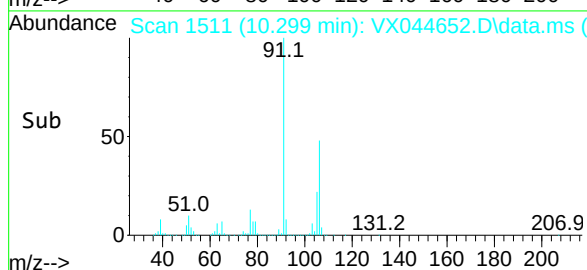
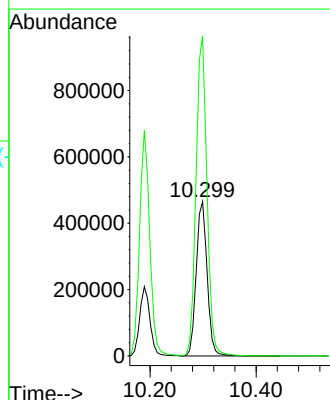
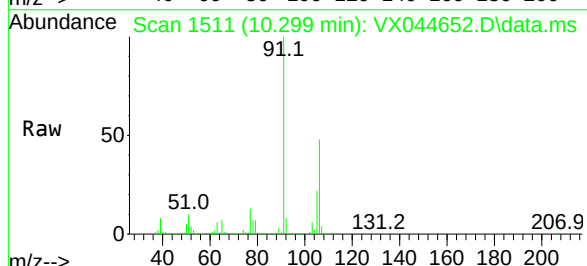
Acq: 15 Jan 2025 13:14

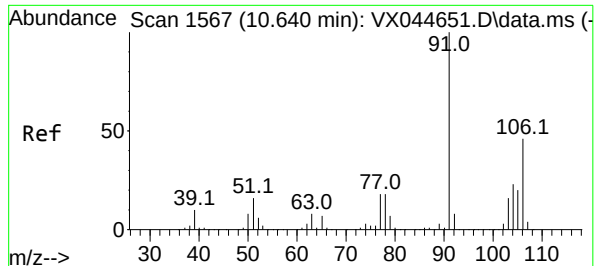
Tgt Ion:106 Resp: 661488

Ion Ratio Lower Upper

106 100

91 207.9 166.4 249.6





#69

o-Xylene

Concen: 92.536 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:106 Resp: 329330

Ion Ratio Lower Upper

106 100

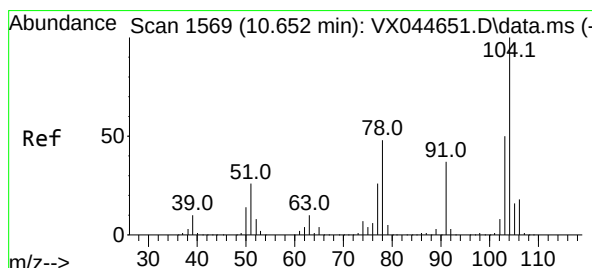
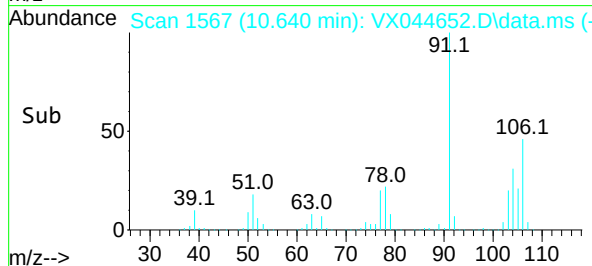
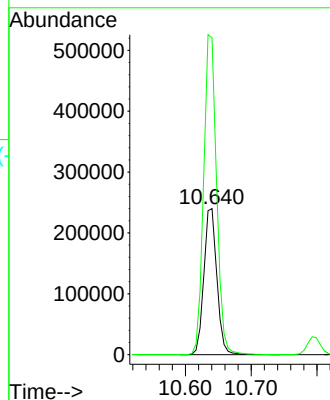
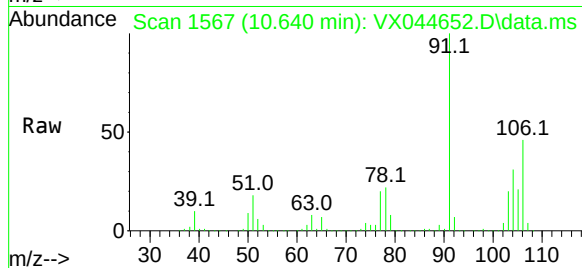
91 218.7 108.7 326.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#70

Styrene

Concen: 95.197 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

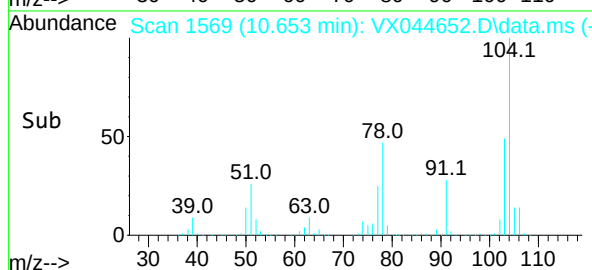
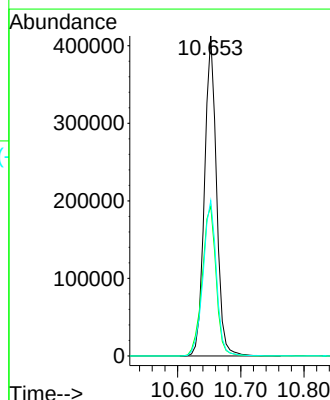
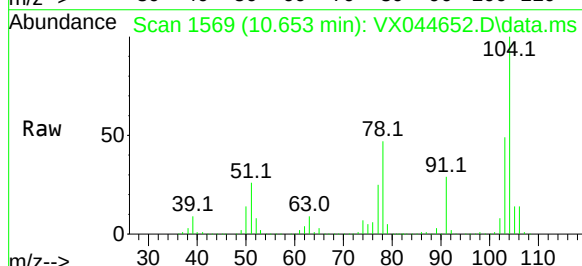
Tgt Ion:104 Resp: 547016

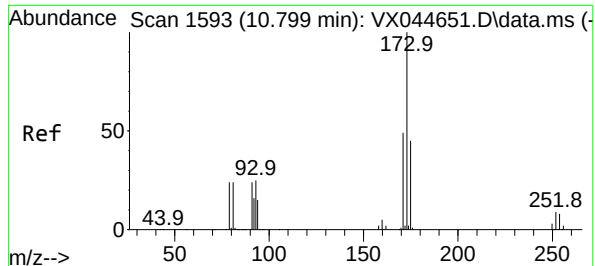
Ion Ratio Lower Upper

104 100

78 53.9 43.0 64.6

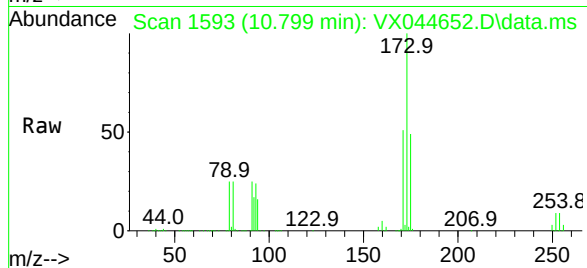
103 54.1 43.4 65.2





#71
Bromoform
Concen: 96.648 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

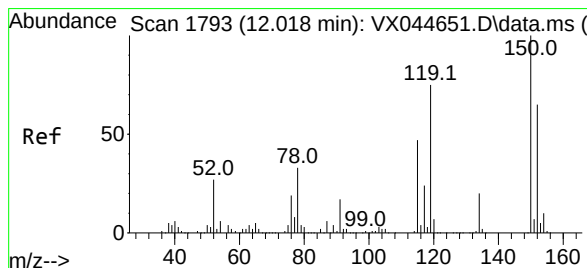
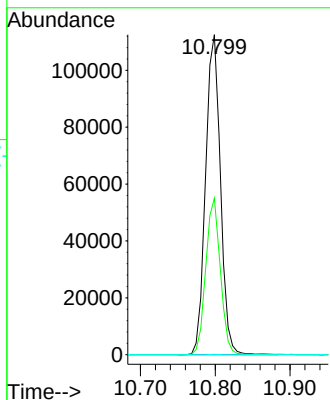
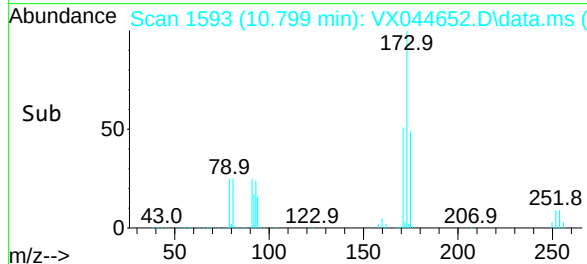
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:173 Resp: 155379
Ion Ratio Lower Upper
173 100
175 48.0 23.6 70.8
254 0.1 0.1 0.1

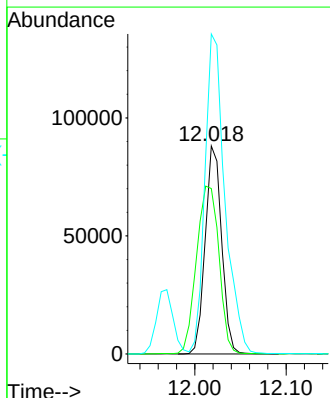
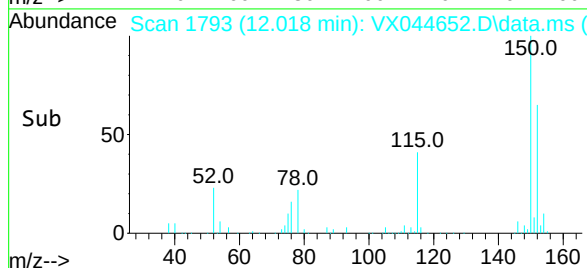
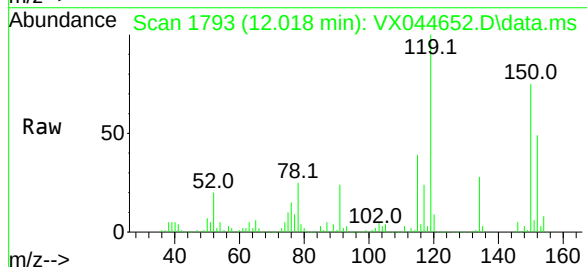
Manual Integrations
APPROVED

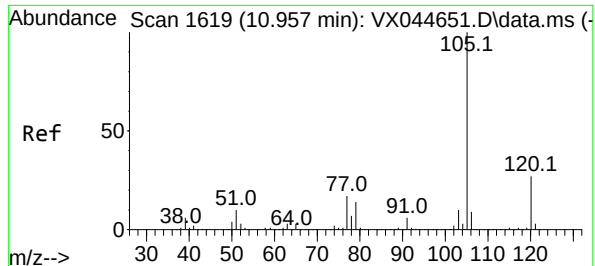
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

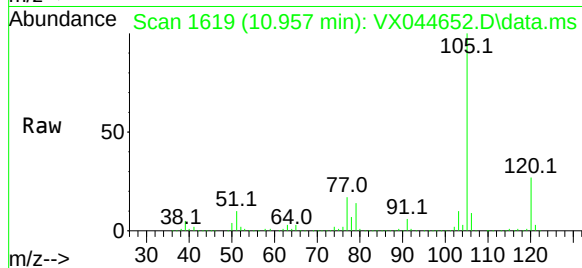
Tgt Ion:152 Resp: 110019
Ion Ratio Lower Upper
152 100
115 110.6 43.8 131.4
150 186.5 0.0 347.8





#73
Isopropylbenzene
Concen: 92.779 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

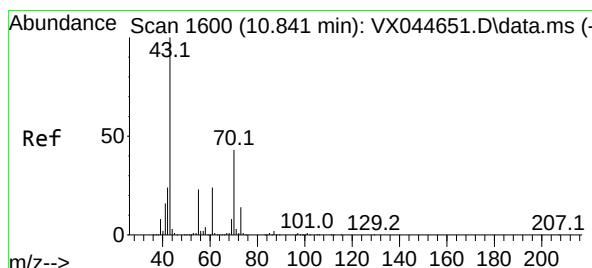
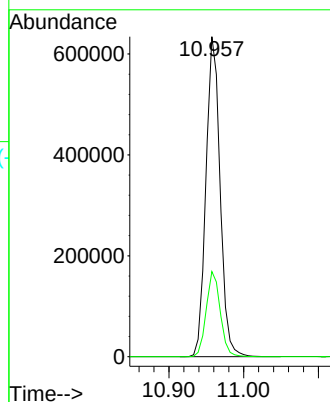
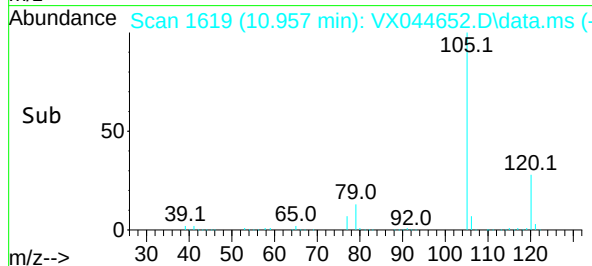
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



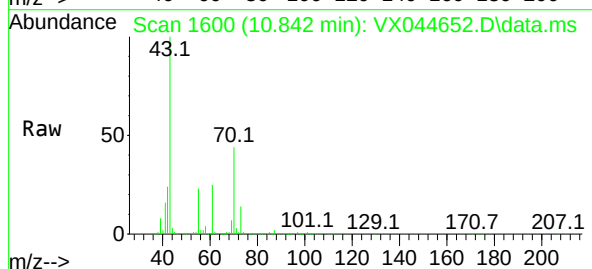
Tgt Ion:105 Resp: 833874
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.6

Manual Integrations
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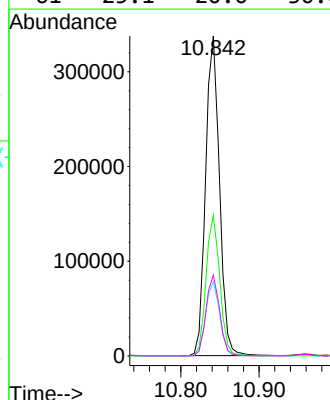
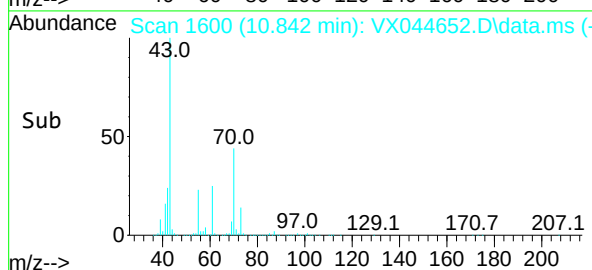
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

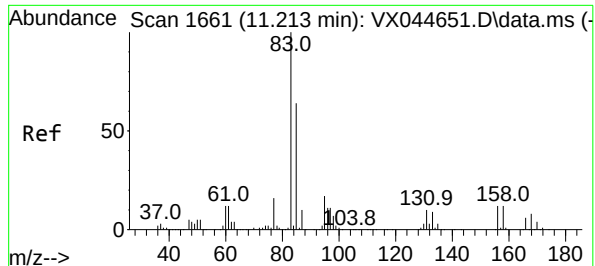


#74
N-ethyl acetate
Concen: 93.463 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14



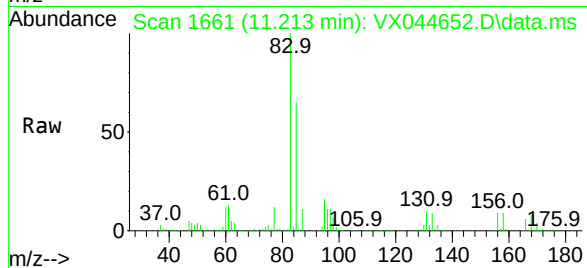
Tgt Ion: 43 Resp: 414046
Ion Ratio Lower Upper
43 100
70 43.5 35.2 52.8
55 23.3 19.0 28.4
61 25.1 20.0 30.0





#75
1,1,2,2-Tetrachloroethane
Concen: 89.776 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

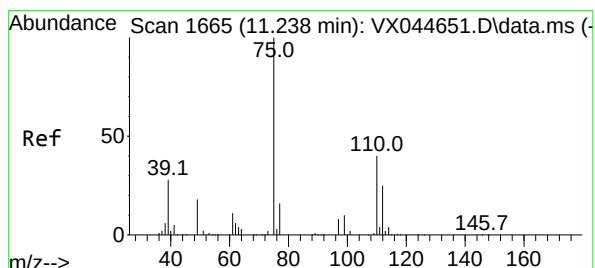
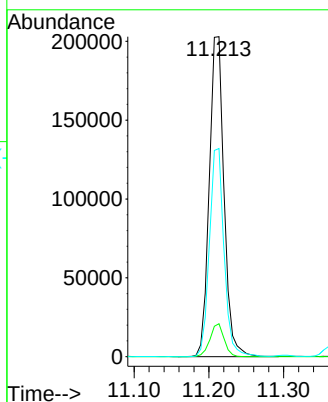
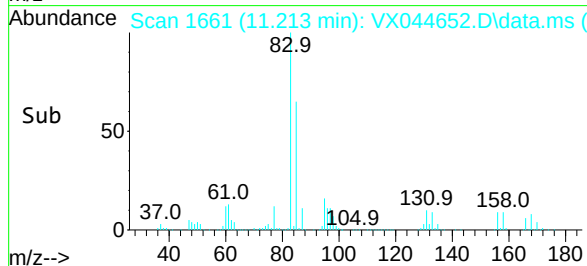
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



Tgt Ion: 83 Resp: 278679
Ion Ratio Lower Upper
83 100
131 9.9 5.0 14.9
85 64.5 32.0 96.2

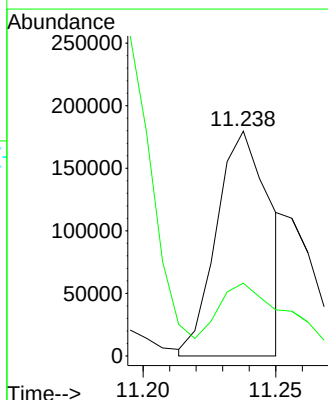
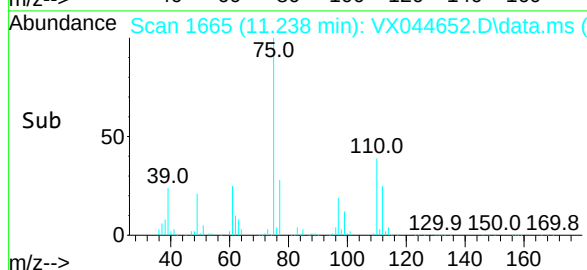
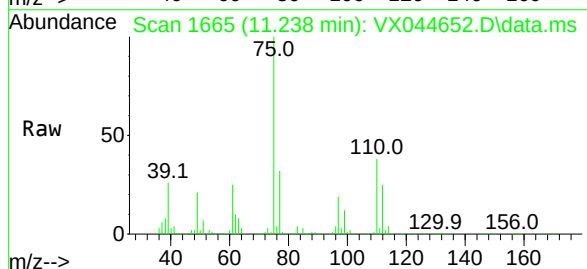
Manual Integrations
APPROVED

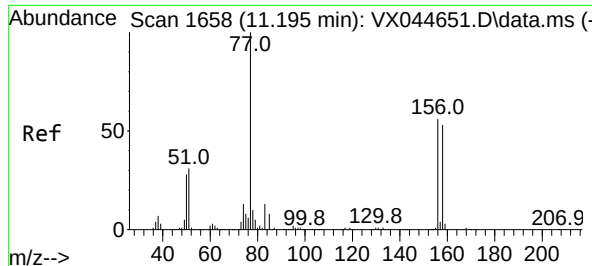
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#76
1,2,3-Trichloropropane
Concen: 96.568 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

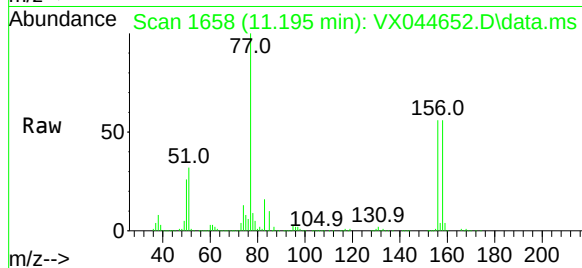
Tgt Ion: 75 Resp: 250918
Ion Ratio Lower Upper
75 100
77 43.9 23.4 70.2





#77
Bromobenzene
Concen: 91.729 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

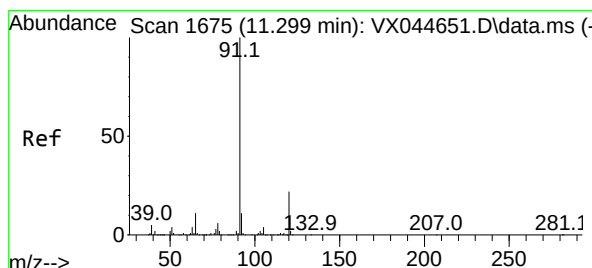
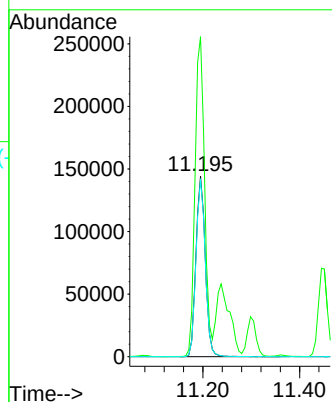
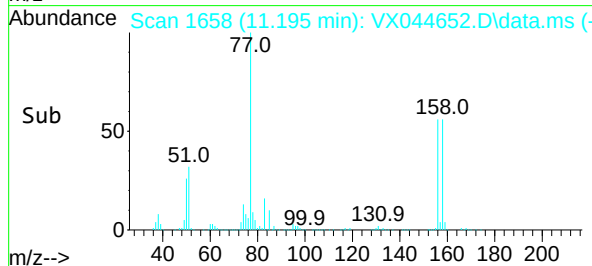
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



Tgt Ion:156 Resp: 192700
Ion Ratio Lower Upper
156 100
77 181.5 90.3 271.0
158 97.9 48.4 145.3

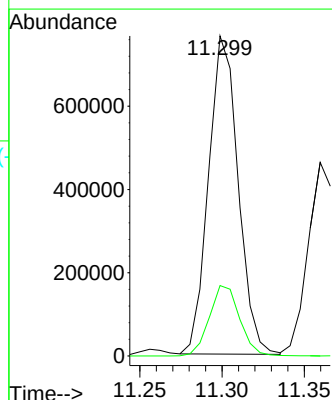
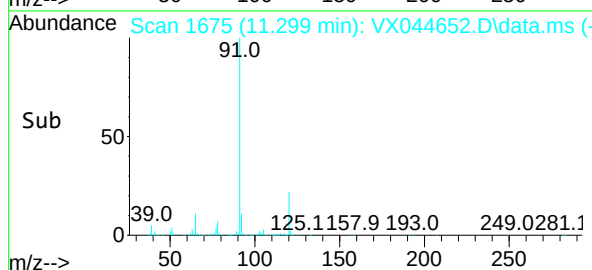
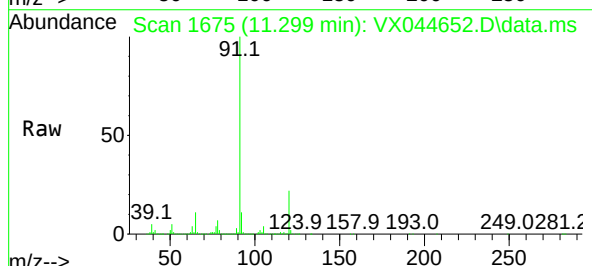
Manual Integrations
APPROVED

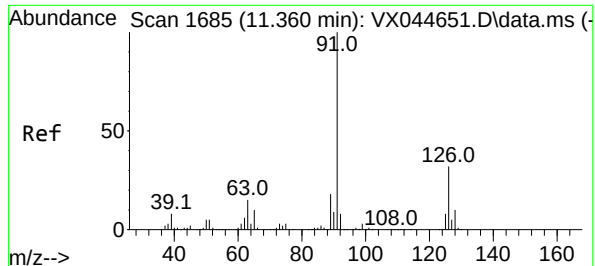
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#78
n-propylbenzene
Concen: 96.470 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 91 Resp: 956202
Ion Ratio Lower Upper
91 100
120 22.7 11.4 34.1





#79

2-Chlorotoluene

Concen: 91.317 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 58468

Ion Ratio Lower Upper

91 100

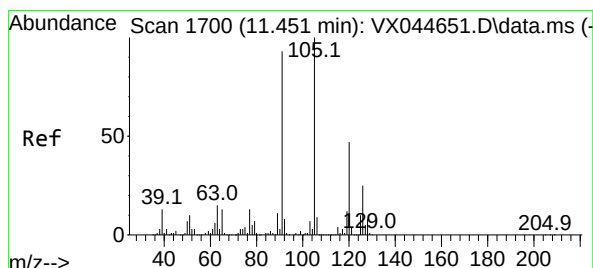
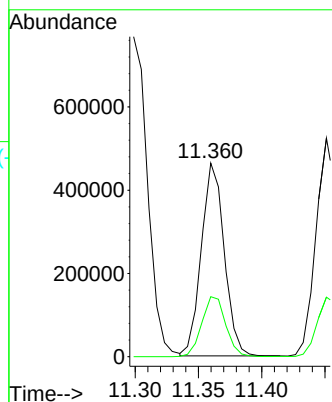
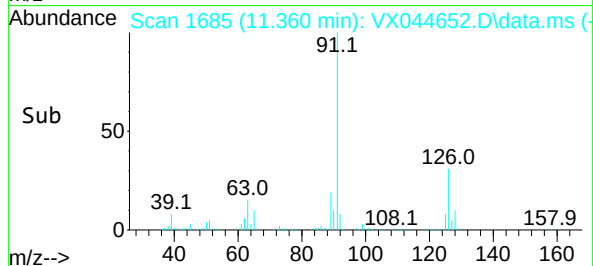
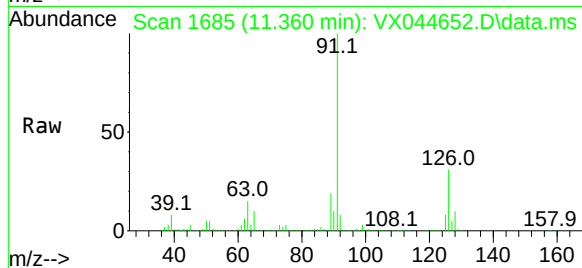
126 32.6 16.2 48.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#80

1,3,5-Trimethylbenzene

Concen: 91.926 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044652.D

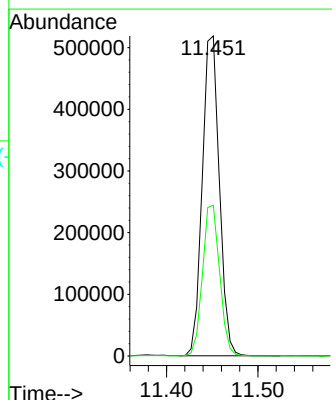
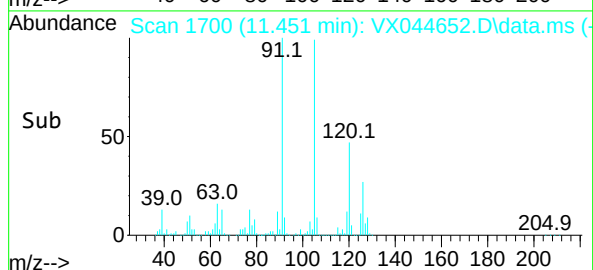
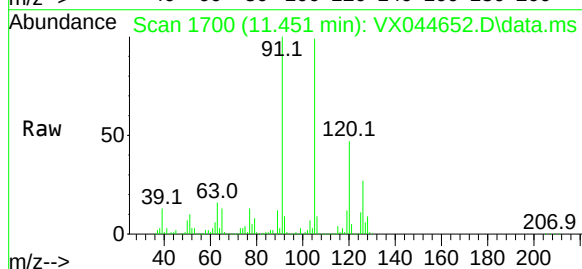
Acq: 15 Jan 2025 13:14

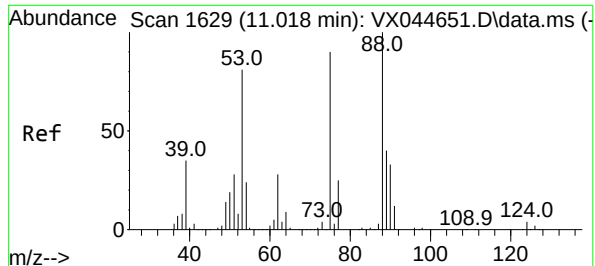
Tgt Ion:105 Resp: 672586

Ion Ratio Lower Upper

105 100

120 47.2 23.7 71.1





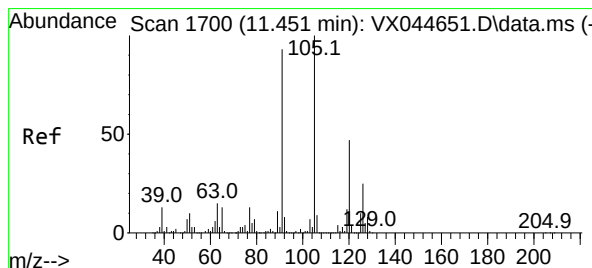
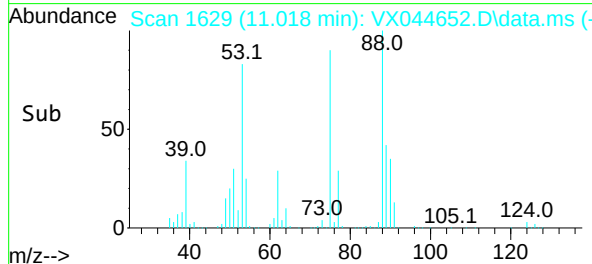
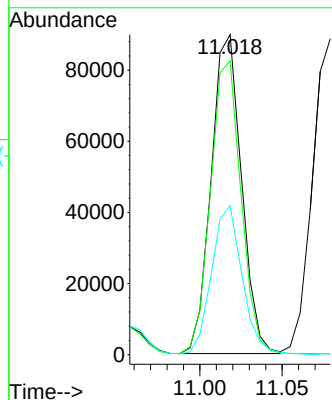
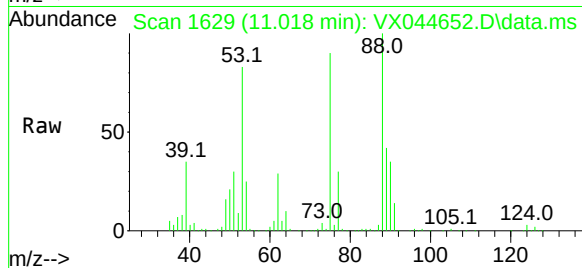
#81
trans-1,4-Dichloro-2-butene
Concen: 98.354 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 114832
Ion Ratio Lower Upper
75 100
53 93.6 74.3 111.5
89 47.4 37.4 56.0

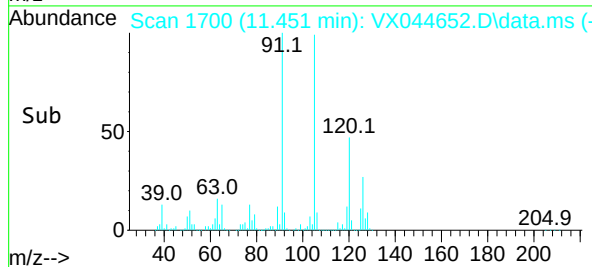
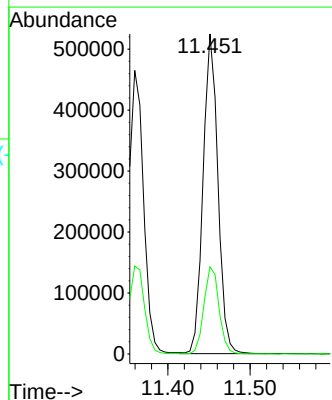
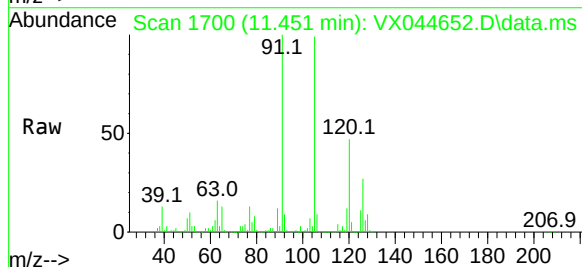
Manual Integrations
APPROVED

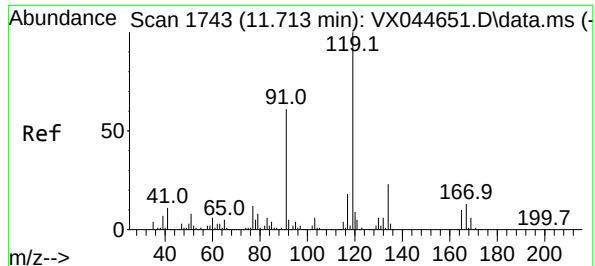
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#82
4-Chlorotoluene
Concen: 93.421 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

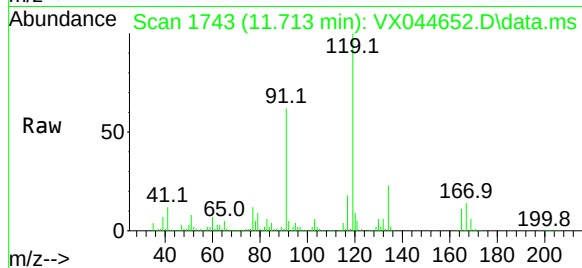
Tgt Ion: 91 Resp: 655250
Ion Ratio Lower Upper
91 100
126 27.9 13.9 41.7





#83
tert-Butylbenzene
Concen: 90.233 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

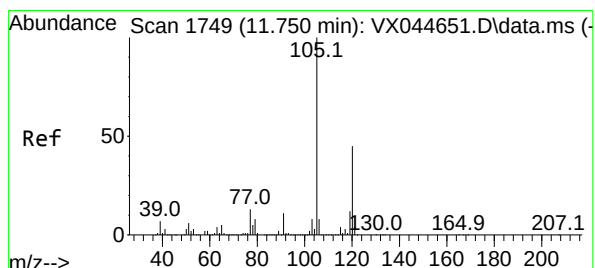
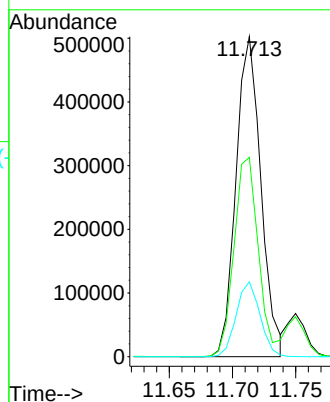
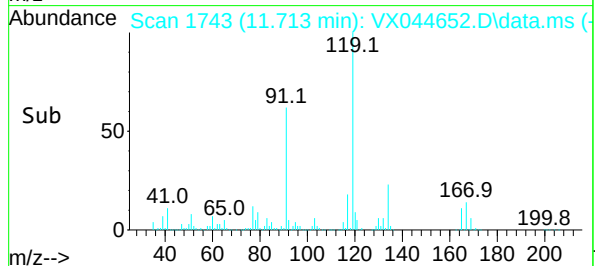
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



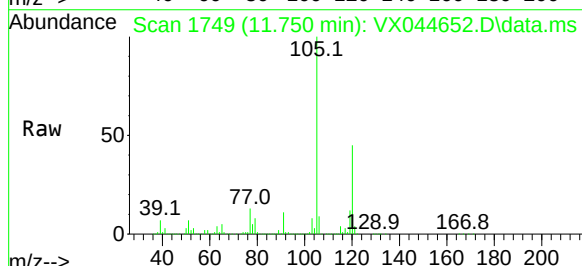
Tgt Ion:119 Resp: 690320
Ion Ratio Lower Upper
119 100
91 59.9 30.0 90.0
134 22.4 11.2 33.5

Manual Integrations
APPROVED

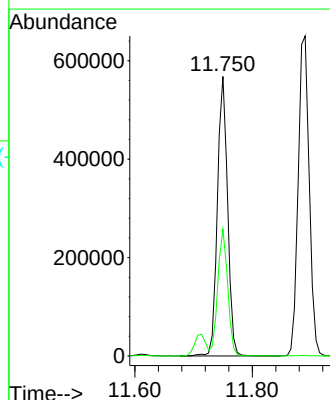
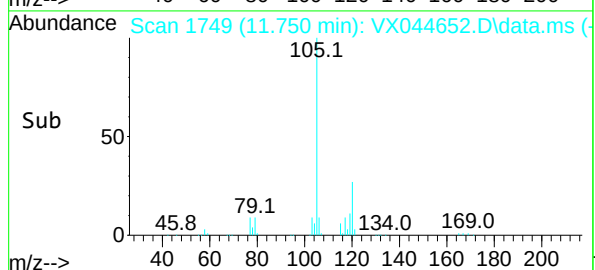
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

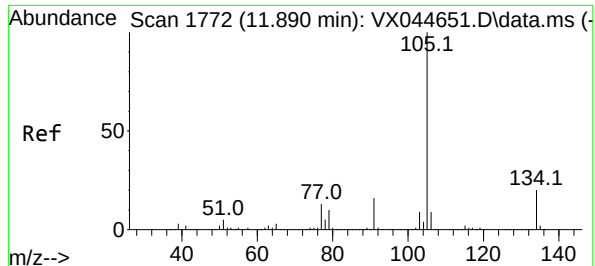


#84
1,2,4-Trimethylbenzene
Concen: 91.646 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14



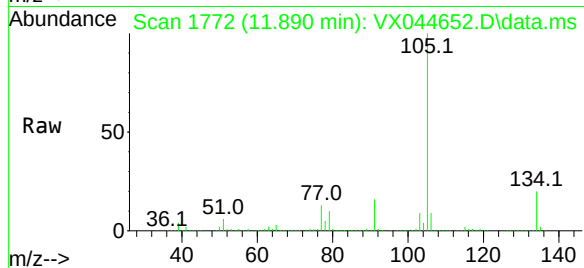
Tgt Ion:105 Resp: 681398
Ion Ratio Lower Upper
105 100
120 44.4 22.2 66.6





#85
sec-Butylbenzene
Concen: 95.235 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

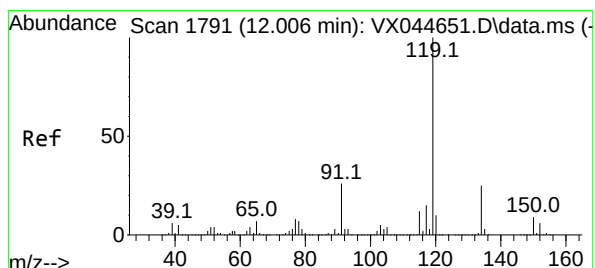
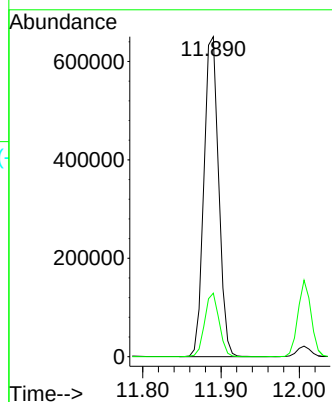
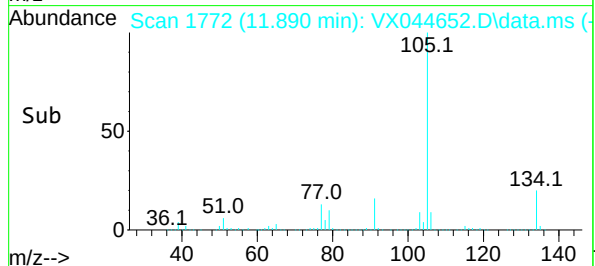
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



Tgt Ion:105 Resp: 84832
Ion Ratio Lower Upper
105 100
134 19.5 9.8 29.5

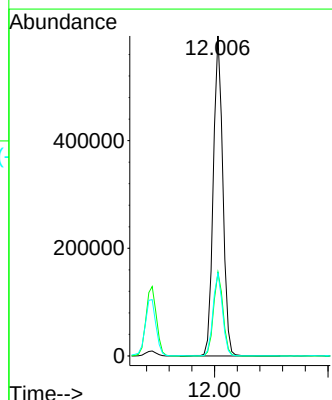
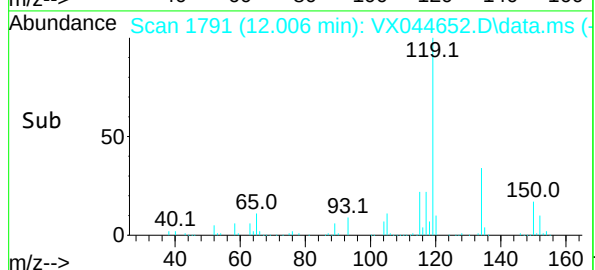
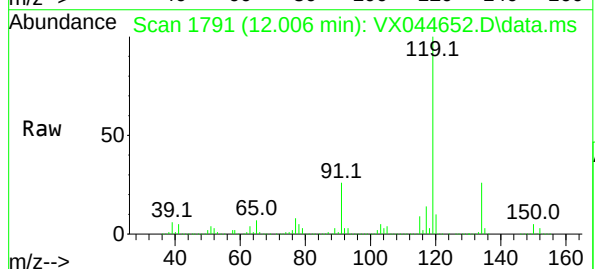
Manual Integrations
APPROVED

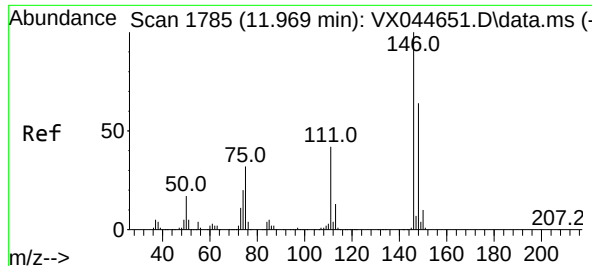
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#86
p-Isopropyltoluene
Concen: 94.999 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:119 Resp: 695433
Ion Ratio Lower Upper
119 100
134 26.1 12.8 38.4
91 25.7 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 97.115 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 353809

Ion Ratio Lower Upper

146 100

111 43.2 21.9 65.7

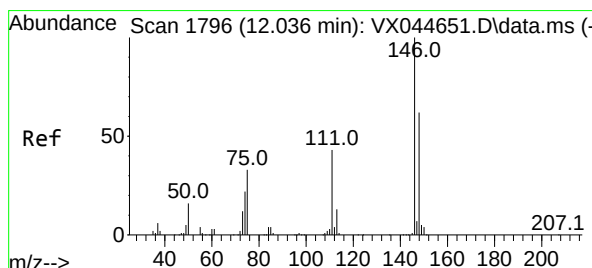
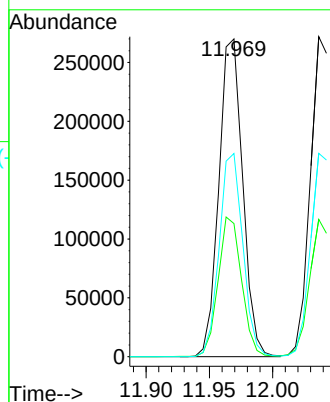
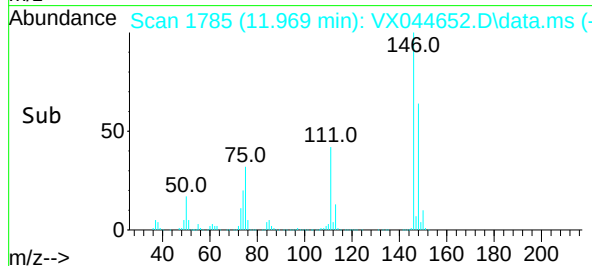
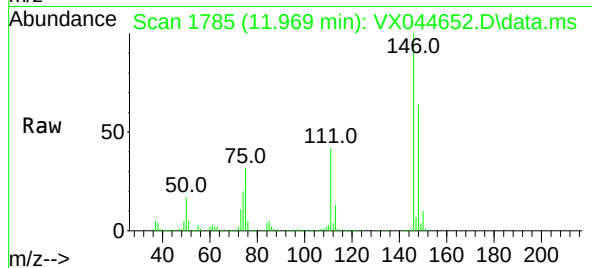
148 63.3 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#88

1,4-Dichlorobenzene

Concen: 96.070 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

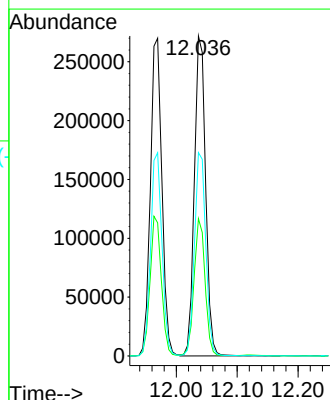
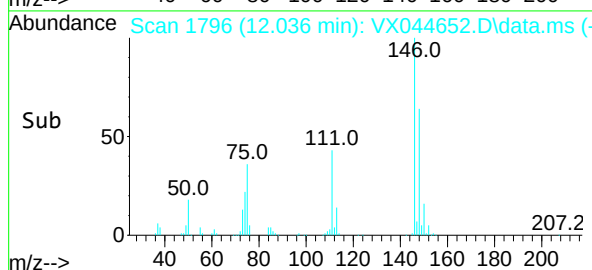
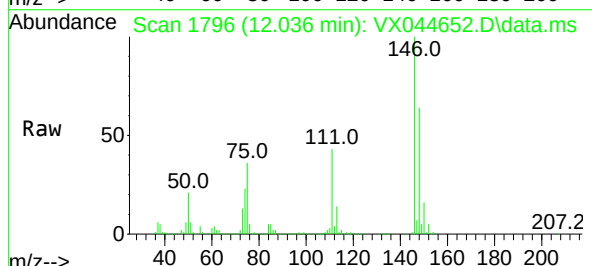
Tgt Ion:146 Resp: 347517

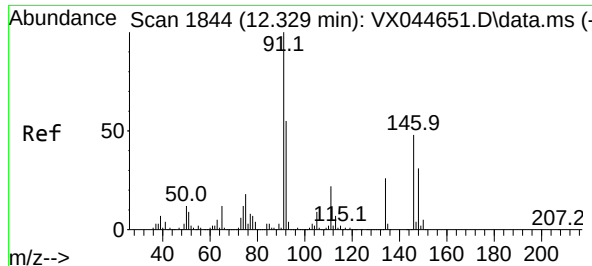
Ion Ratio Lower Upper

146 100

111 42.1 21.5 64.5

148 63.9 32.1 96.5





#89

n-Butylbenzene

Concen: 100.715 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 633240

Ion Ratio Lower Upper

91 100

92 55.3 27.4 82.0

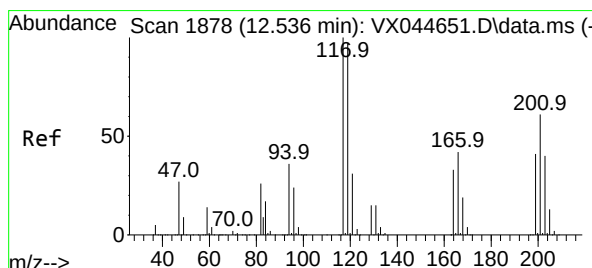
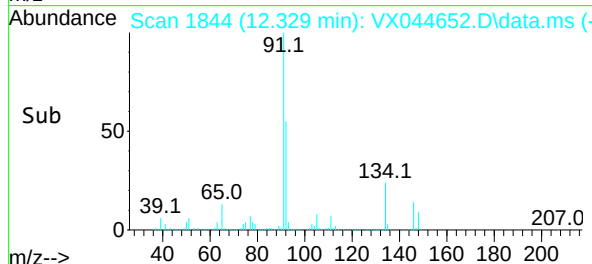
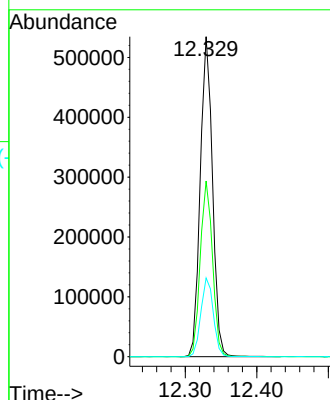
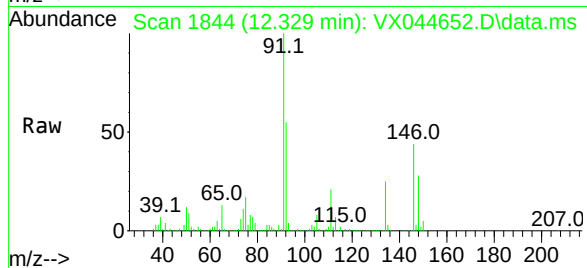
134 25.1 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carbone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#90

Hexachloroethane

Concen: 90.037 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044652.D

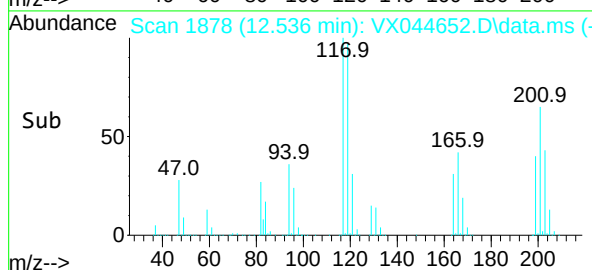
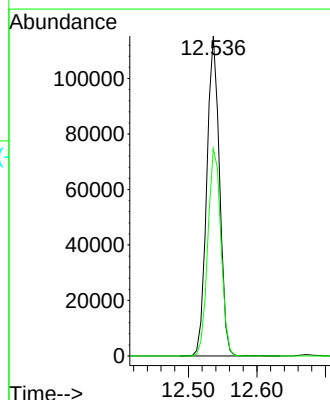
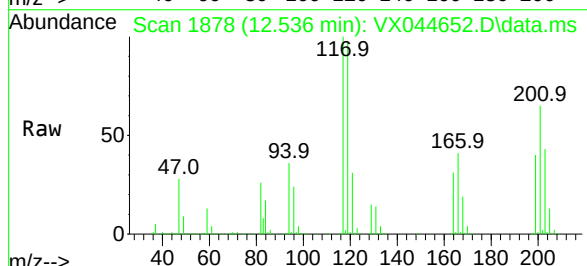
Acq: 15 Jan 2025 13:14

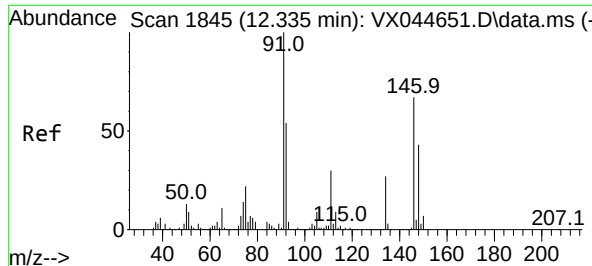
Tgt Ion:117 Resp: 149253

Ion Ratio Lower Upper

117 100

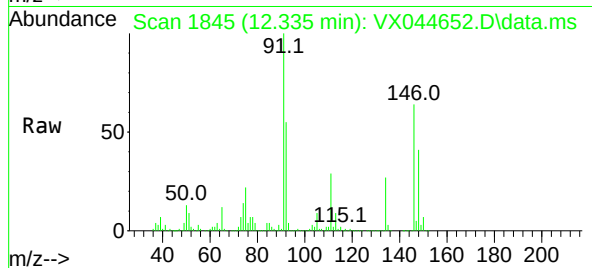
201 66.5 32.3 96.8





#91
1,2-Dichlorobenzene
Concen: 91.056 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

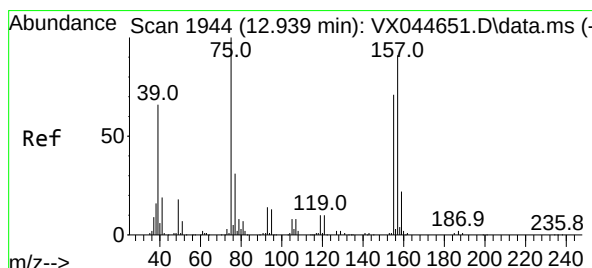
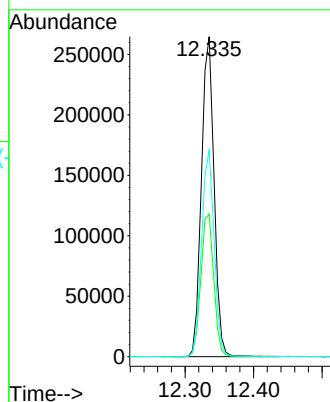
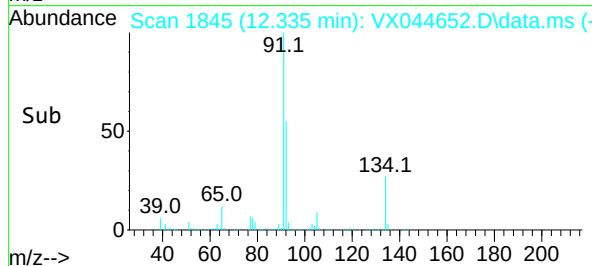
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:146 Resp: 34068
Ion Ratio Lower Upper
146 100
111 45.7 22.4 67.2
148 64.4 31.6 94.8

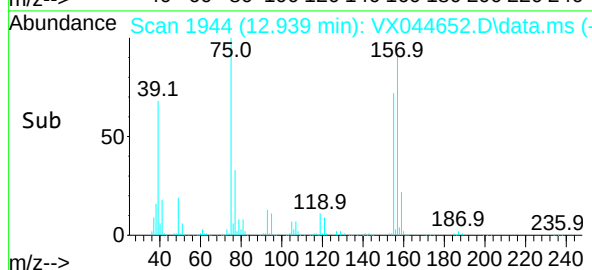
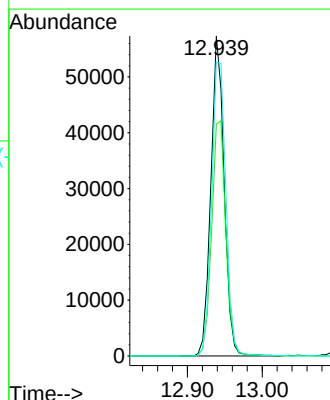
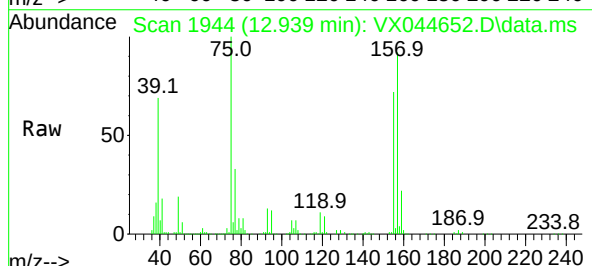
Manual Integrations
APPROVED

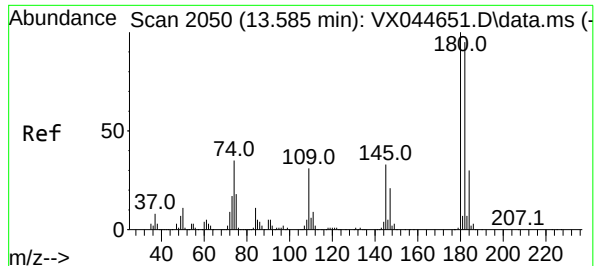
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 93.344 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

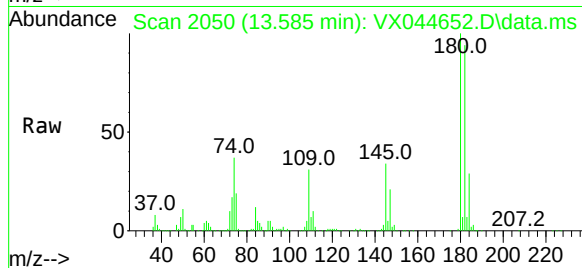
Tgt Ion: 75 Resp: 70862
Ion Ratio Lower Upper
75 100
155 78.9 39.0 116.9
157 99.1 49.9 149.7





#93
1,2,4-Trichlorobenzene
Concen: 104.359 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

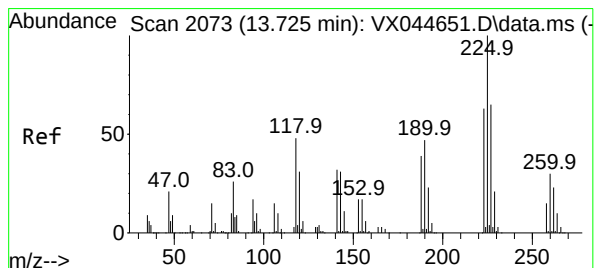
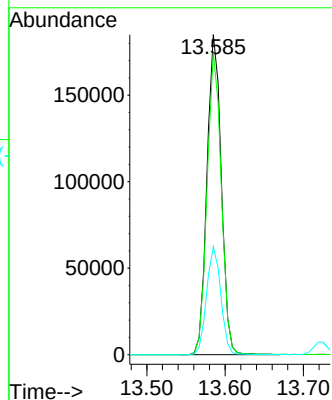
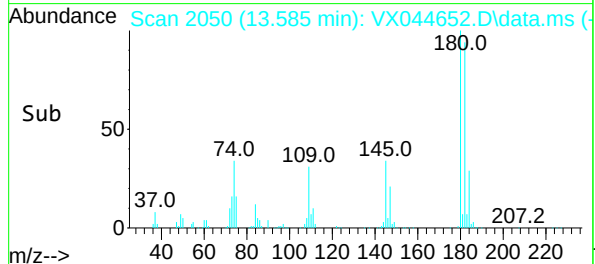
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:180 Resp: 23341
Ion Ratio Lower Upper
180 100
182 93.9 47.4 142.2
145 33.7 16.7 50.1

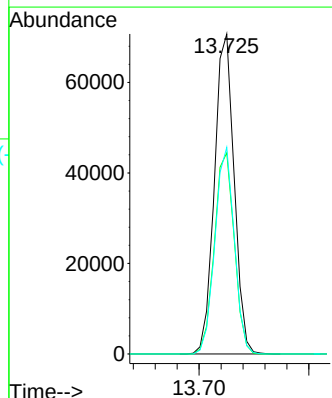
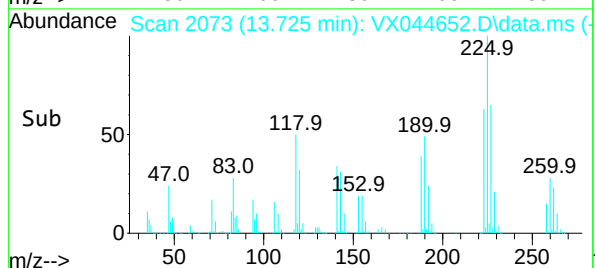
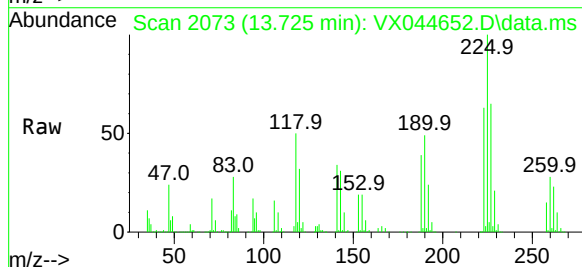
Manual Integrations
APPROVED

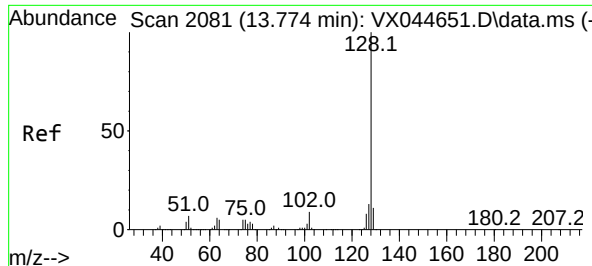
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#94
Hexachlorobutadiene
Concen: 100.406 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

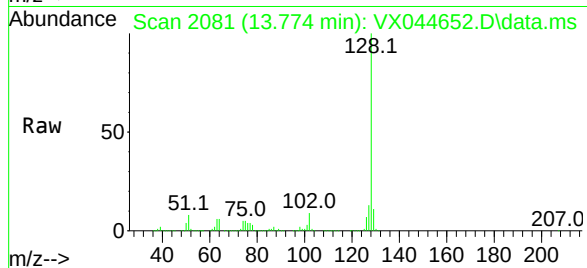
Tgt Ion:225 Resp: 88214
Ion Ratio Lower Upper
225 100
223 63.6 31.9 95.7
227 63.4 31.8 95.4





#95
Naphthalene
Concen: 98.464 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

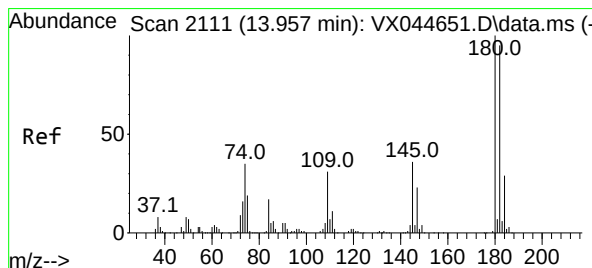
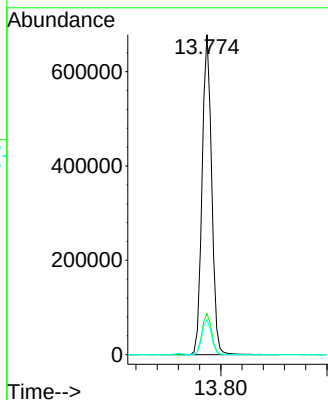
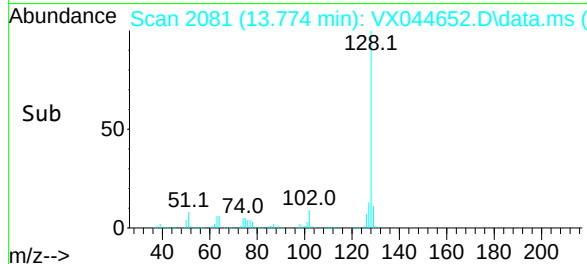
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:128 Resp: 84940
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.7 13.1

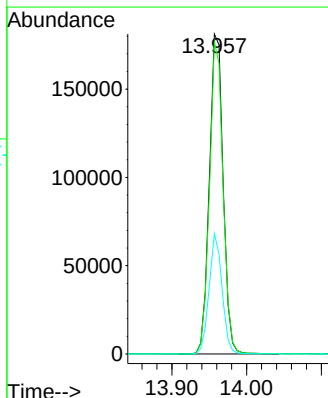
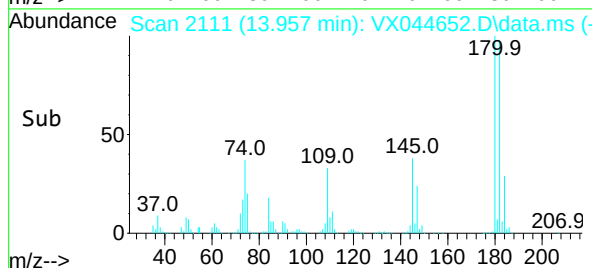
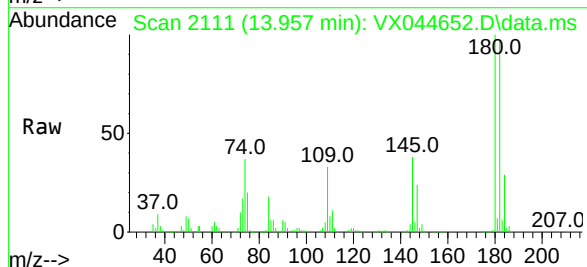
Manual Integrations
APPROVED

Reviewed By :John Carbone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 100.133 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:180 Resp: 232152
Ion Ratio Lower Upper
180 100
182 96.0 47.2 141.6
145 35.5 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044653.D
 Acq On : 15 Jan 2025 13:37
 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 01/15/2025
 Supervised By : Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:02:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 00:57:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	160078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	290219	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	234362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	100996	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	377212	156.114	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 312.220%#	
35) Dibromofluoromethane	5.379	113	289994	157.288	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 314.580%#	
50) Toluene-d8	8.647	98	961550	149.572	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 299.140%#	
62) 4-Bromofluorobenzene	11.079	95	366922	153.105	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 306.200%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	366593	170.185	ug/l	98
3) Chloromethane	1.300	50	342210	146.909	ug/l	97
4) Vinyl Chloride	1.374	62	359721	156.293	ug/l	99
5) Bromomethane	1.593	94	87716	159.609	ug/l	97
6) Chloroethane	1.660	64	71666	169.800	ug/l	98
7) Trichlorofluoromethane	1.855	101	398544	156.676	ug/l	97
8) Diethyl Ether	2.136	74	154291	150.299	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.313	101	302048	157.960	ug/l	99
10) Methyl Iodide	2.441	142	394541	151.126	ug/l	99
11) Tert butyl alcohol	3.062	59	387839m	711.783	ug/l	
12) 1,1-Dichloroethene	2.306	96	296987	158.449	ug/l	99
13) Acrolein	2.239	56	193280	762.485	ug/l	99
14) Allyl chloride	2.654	41	534150	146.366	ug/l	100
15) Acrylonitrile	3.068	53	783976	742.040	ug/l	99
16) Acetone	2.392	43	708100	740.713	ug/l	100
17) Carbon Disulfide	2.495	76	803379	157.079	ug/l	99
18) Methyl Acetate	2.703	43	483139	163.814	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	1034710	152.410	ug/l	99
20) Methylene Chloride	2.782	84	325957	146.417	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	290671	148.536	ug/l	98
22) Diisopropyl ether	3.763	45	957045	150.864	ug/l	91
23) Vinyl Acetate	3.721	43	4101581	738.701	ug/l	100
24) 1,1-Dichloroethane	3.599	63	594429	158.014	ug/l	99
25) 2-Butanone	4.562	43	1079716	759.640	ug/l	100
26) 2,2-Dichloropropane	4.465	77	550106	150.882	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	370177	150.386	ug/l	99
28) Bromochloromethane	4.891	49	251238	142.922	ug/l	99
29) Tetrahydrofuran	5.007	42	689928	752.528	ug/l	99
30) Chloroform	5.086	83	579322	152.595	ug/l	99
31) Cyclohexane	5.458	56	476106	156.483	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	522062	149.582	ug/l	99
36) 1,1-Dichloropropene	5.684	75	386304	150.517	ug/l	99
37) Ethyl Acetate	4.715	43	433924	158.764	ug/l	99
38) Carbon Tetrachloride	5.666	117	437442	151.528	ug/l	99
39) Methylcyclohexane	7.373	83	534976	157.021	ug/l	99
40) Benzene	6.031	78	1205057	151.523	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044653.D
 Acq On : 15 Jan 2025 13:37
 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 01/15/2025
 Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:02:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 00:57:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	238601	151.900	ug/l	98
42) 1,2-Dichloroethane	6.080	62	446380	153.782	ug/l	98
43) Isopropyl Acetate	6.336	43	761866	151.528	ug/l	100
44) Trichloroethene	7.117	130	309226	161.735	ug/l	96
45) 1,2-Dichloropropane	7.421	63	308641	154.175	ug/l	99
46) Dibromomethane	7.574	93	231674	152.021	ug/l	99
47) Bromodichloromethane	7.818	83	471682	150.924	ug/l	99
48) Methyl methacrylate	7.690	41	368626	157.946	ug/l	99
49) 1,4-Dioxane	7.671	88	146350	3005.585	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1994498	717.818	ug/l	100
52) Toluene	8.714	92	699585	143.719	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	490414	151.880	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	524796	149.891	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	279505	141.923	ug/l	99
56) Ethyl methacrylate	9.116	69	499842	147.609	ug/l	100
57) 1,3-Dichloropropane	9.305	76	485347	144.720	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	1178391	708.825	ug/l	99
59) 2-Hexanone	9.433	43	1482861	725.401	ug/l	99
60) Dibromochloromethane	9.519	129	335937	145.333	ug/l	99
61) 1,2-Dibromoethane	9.604	107	296982	143.893	ug/l	100
64) Tetrachloroethene	9.269	164	229004	155.612	ug/l	98
65) Chlorobenzene	10.079	112	750161	150.697	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	276991	153.108	ug/l	99
67) Ethyl Benzene	10.189	91	1315242	151.424	ug/l	99
68) m/p-Xylenes	10.299	106	941355	292.054	ug/l	100
69) o-Xylene	10.640	106	473907	145.386	ug/l	98
70) Styrene	10.652	104	792889	150.660	ug/l	100
71) Bromoform	10.799	173	232464	157.877	ug/l	99
73) Isopropylbenzene	10.957	105	1207427	146.343	ug/l	100
74) N-amyl acetate	10.841	43	622491	153.069	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	415068	145.660	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	356222m	149.343	ug/l	
77) Bromobenzene	11.195	156	288579	149.641	ug/l	100
78) n-propylbenzene	11.305	91	1375979	151.223	ug/l	100
79) 2-Chlorotoluene	11.366	91	857617	145.911	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	959600	142.870	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	171786	160.280	ug/l	99
82) 4-Chlorotoluene	11.451	91	957835	148.761	ug/l	100
83) tert-Butylbenzene	11.713	119	999760	142.356	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	991595	145.281	ug/l	100
85) sec-Butylbenzene	11.890	105	1214662	148.543	ug/l	100
86) p-Isopropyltoluene	12.006	119	1000632	148.902	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	521112	155.816	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	516467	155.532	ug/l	99
89) n-Butylbenzene	12.329	91	904589	156.724	ug/l	99
90) Hexachloroethane	12.536	117	222866	146.455	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	511280	148.860	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	107815	154.709	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	352298	171.582	ug/l	99
94) Hexachlorobutadiene	13.725	225	129218	160.216	ug/l	99
95) Naphthalene	13.774	128	1285749	162.361	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	350134	164.515	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044653.D
Acq On : 15 Jan 2025 13:37
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 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:02:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

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

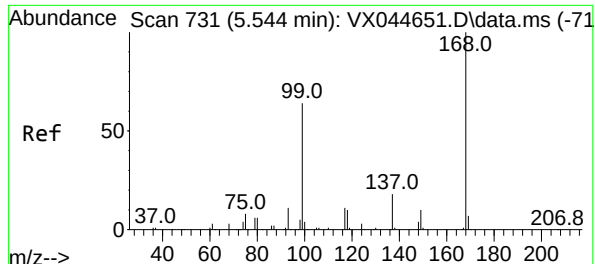
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX044653.D

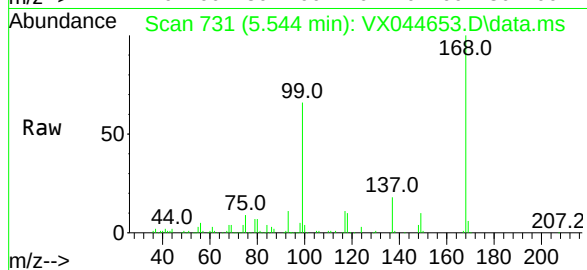
Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150



Tgt Ion:168 Resp: 160078

Ion Ratio Lower Upper

168 100

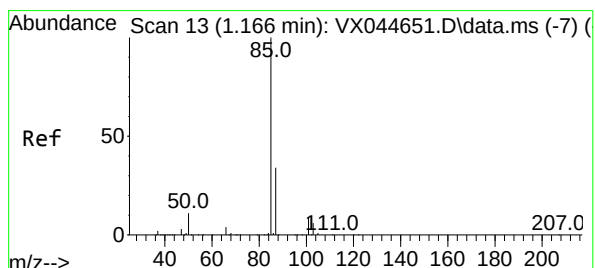
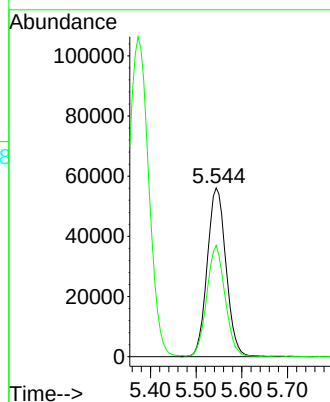
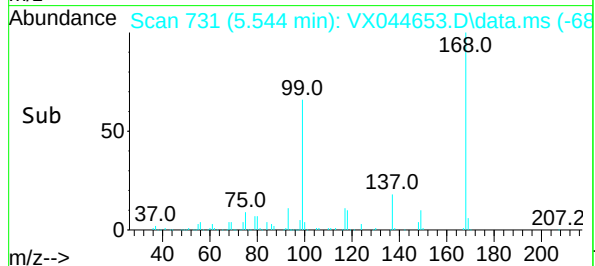
99 65.5 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#2

Dichlorodifluoromethane

Concen: 170.185 ug/l

RT: 1.166 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX044653.D

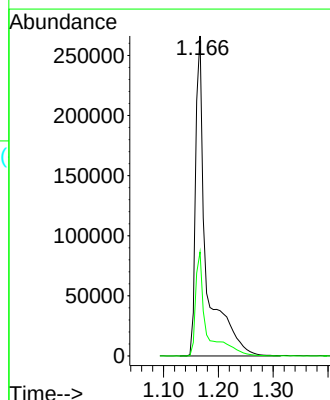
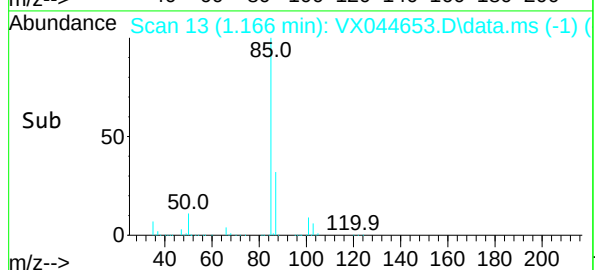
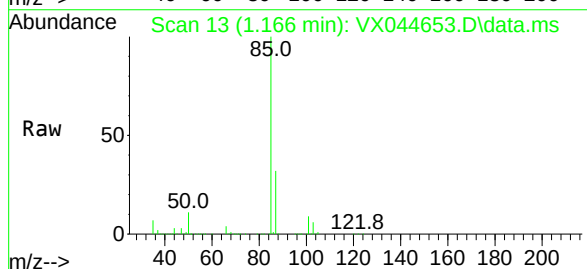
Acq: 15 Jan 2025 13:37

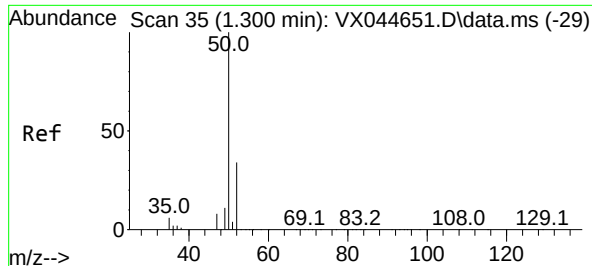
Tgt Ion: 85 Resp: 366593

Ion Ratio Lower Upper

85 100

87 32.5 16.8 50.4





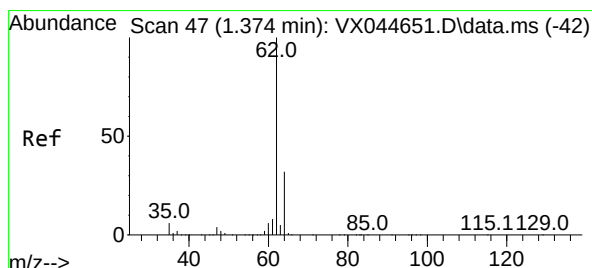
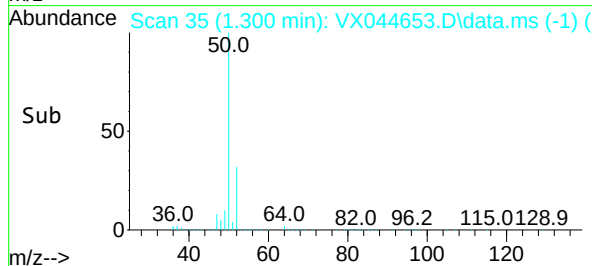
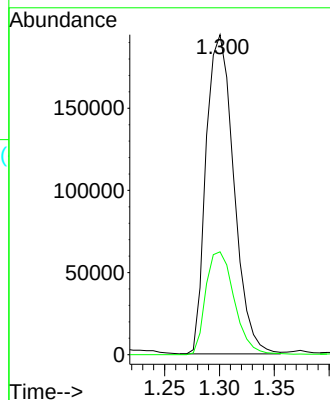
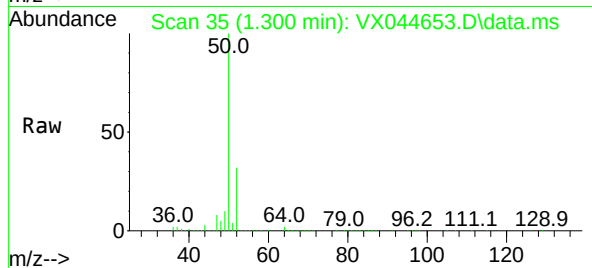
#3
Chloromethane
Concen: 146.909 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 342210
Ion Ratio Lower Upper
50 100
52 32.2 27.0 40.4

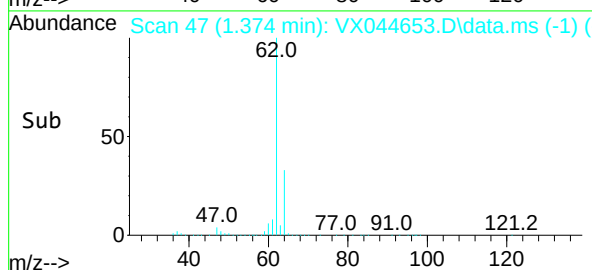
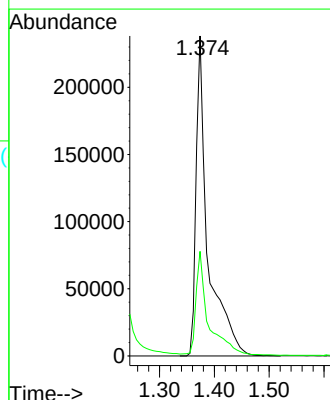
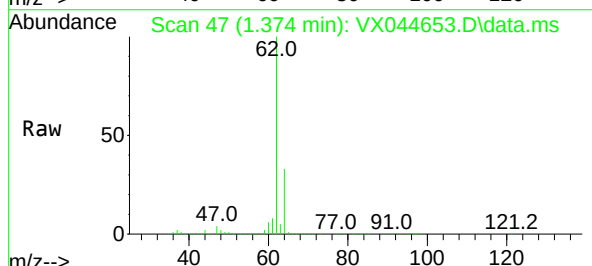
Manual Integrations
APPROVED

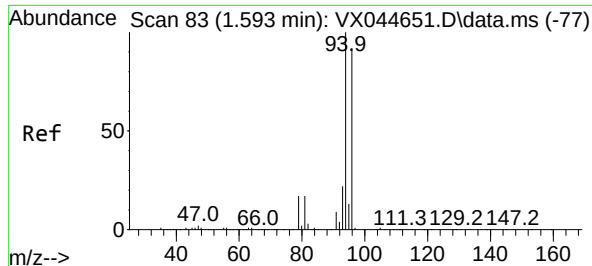
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#4
Vinyl Chloride
Concen: 156.293 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 62 Resp: 359721
Ion Ratio Lower Upper
62 100
64 32.5 26.6 39.8





#5

Bromomethane

Concen: 159.609 ug/l

RT: 1.593 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 94 Resp: 87710

Ion Ratio Lower Upper

94 100

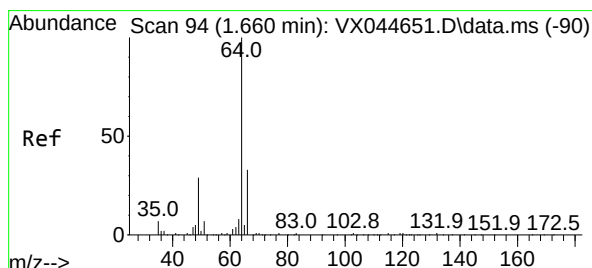
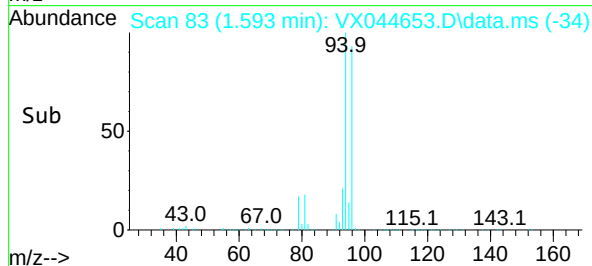
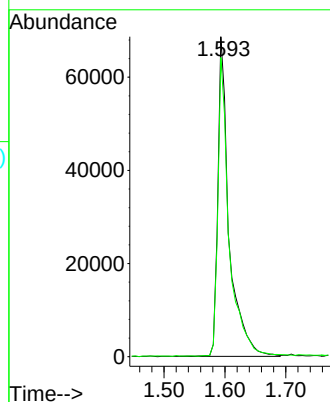
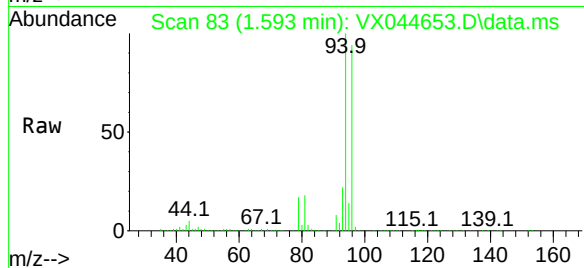
96 93.4 72.8 109.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#6

Chloroethane

Concen: 169.800 ug/l

RT: 1.660 min Scan# 94

Delta R.T. 0.000 min

Lab File: VX044653.D

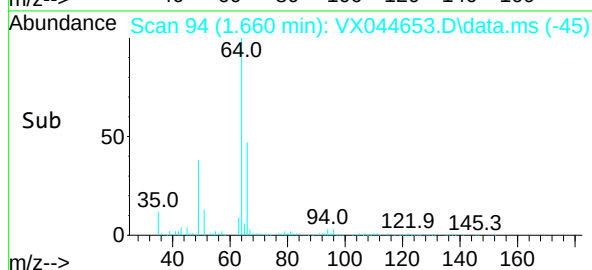
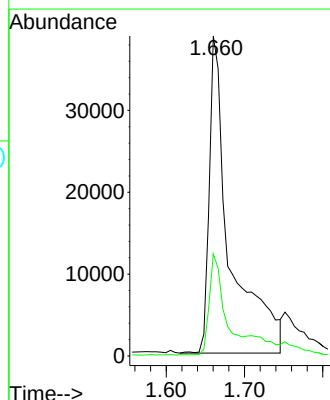
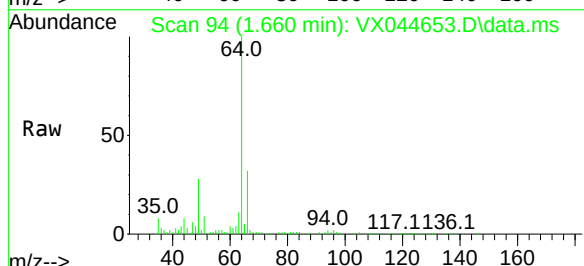
Acq: 15 Jan 2025 13:37

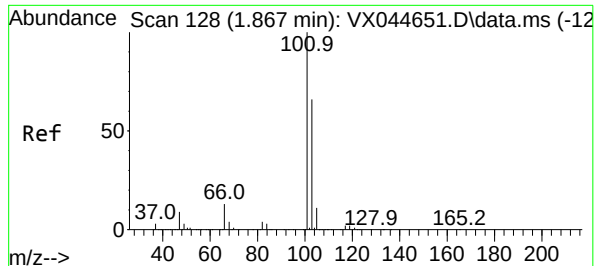
Tgt Ion: 64 Resp: 71666

Ion Ratio Lower Upper

64 100

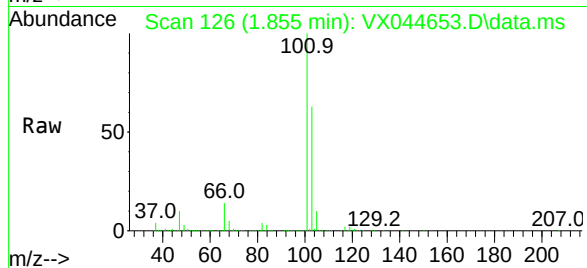
66 31.8 26.6 39.8





#7
Trichlorofluoromethane
Concen: 156.676 ug/l
RT: 1.855 min Scan# 101
Delta R.T. -0.012 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

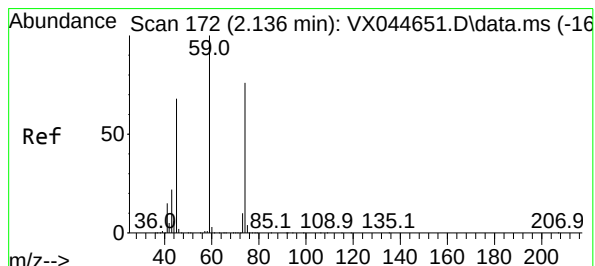
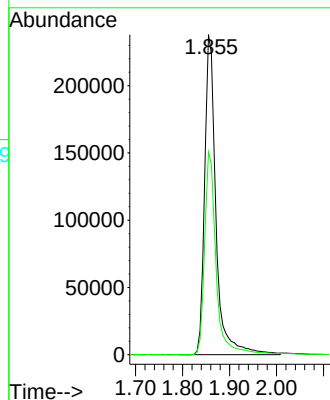
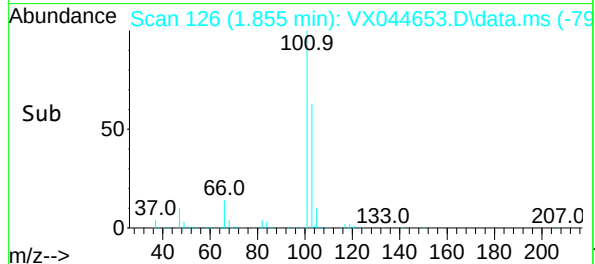
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:101 Resp: 398544
Ion Ratio Lower Upper
101 100
103 63.3 52.5 78.7

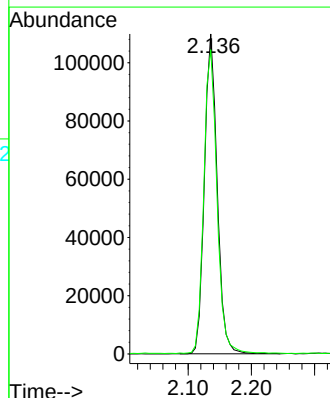
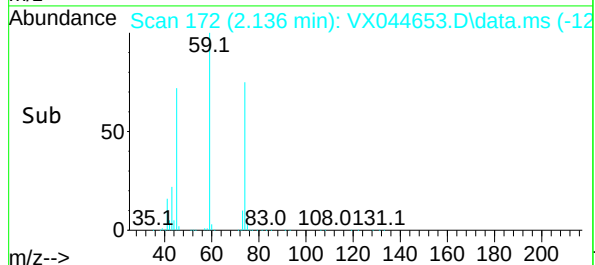
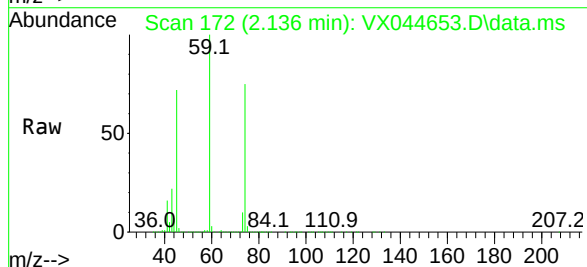
Manual Integrations
APPROVED

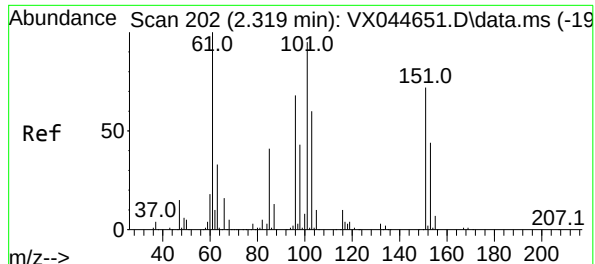
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#8
Diethyl Ether
Concen: 150.299 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

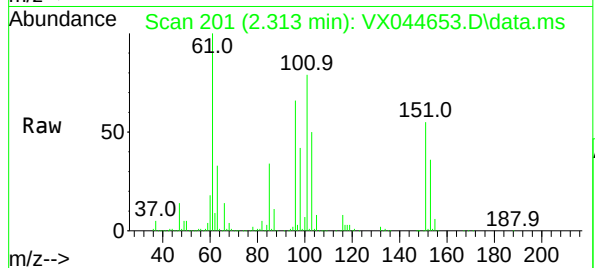
Tgt Ion: 74 Resp: 154291
Ion Ratio Lower Upper
74 100
45 98.3 47.1 141.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 157.960 ug/l
RT: 2.313 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

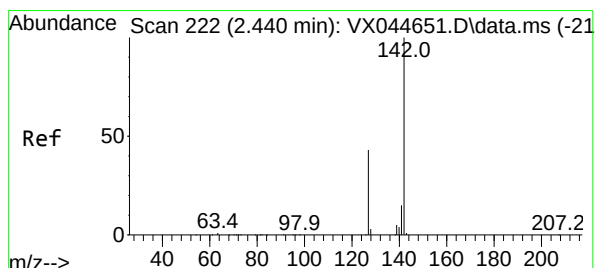
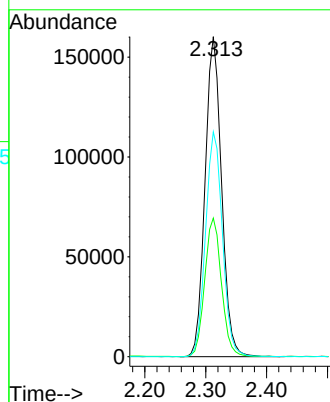
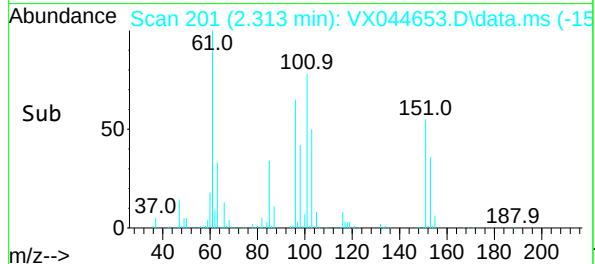
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:101 Resp: 302048
Ion Ratio Lower Upper
101 100
85 43.8 35.3 52.9
151 72.0 58.2 87.4

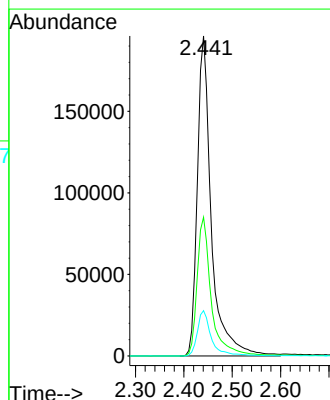
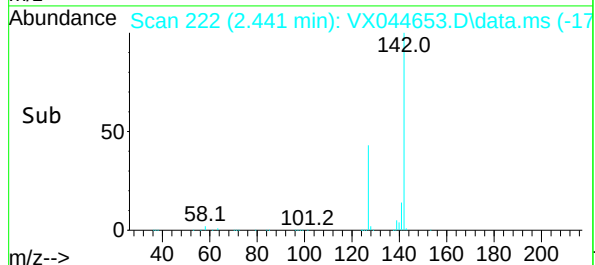
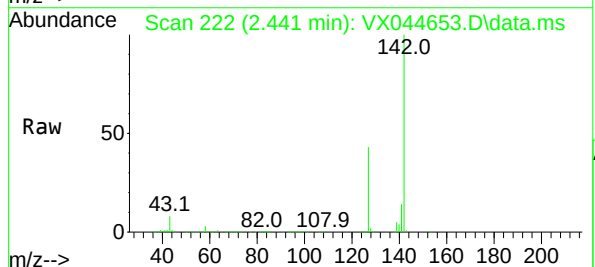
Manual Integrations
APPROVED

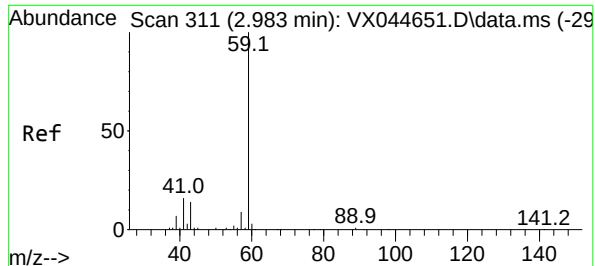
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#10
Methyl Iodide
Concen: 151.126 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:142 Resp: 394541
Ion Ratio Lower Upper
142 100
127 44.4 35.0 52.4
141 14.2 11.7 17.5





#11

Tert butyl alcohol

Concen: 711.783 ug/l m

RT: 3.062 min Scan# 311

Delta R.T. 0.079 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 59 Resp: 387839

Ion Ratio Lower Upper

59 100

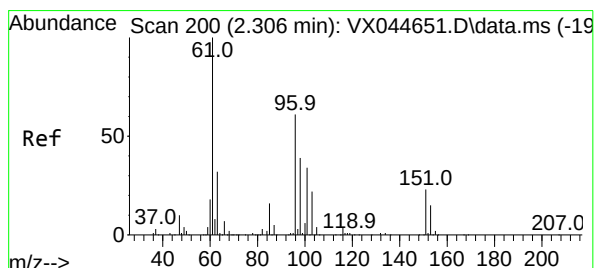
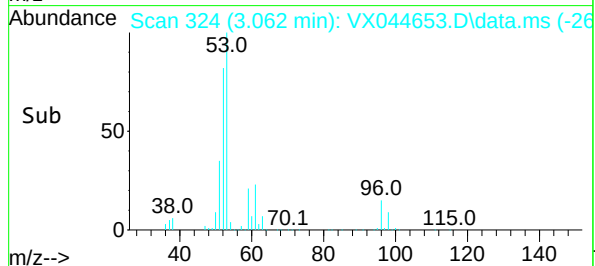
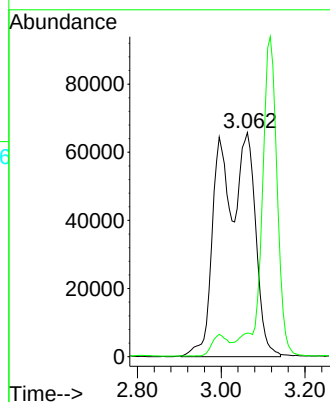
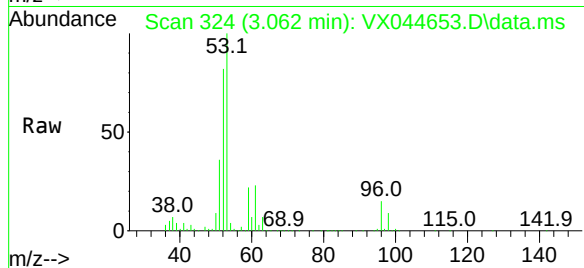
57 4.5 3.9 5.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#12

1,1-Dichloroethene

Concen: 158.449 ug/l

RT: 2.306 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

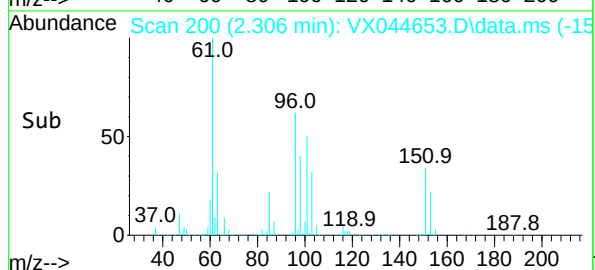
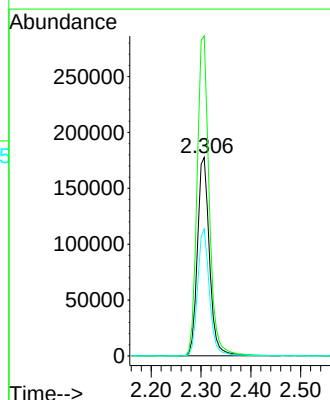
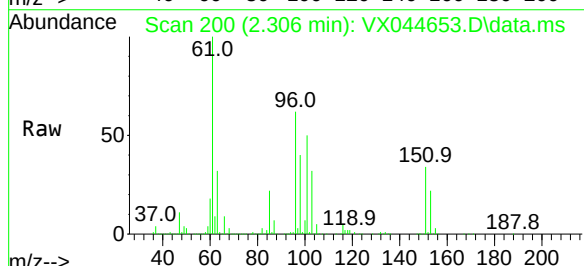
Tgt Ion: 96 Resp: 296987

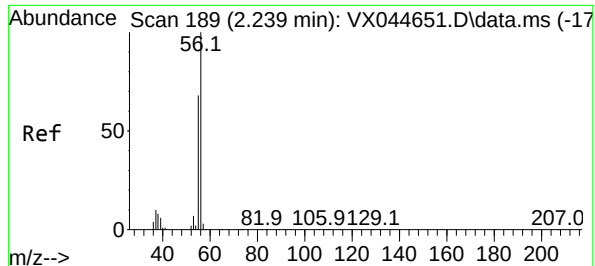
Ion Ratio Lower Upper

96 100

61 161.3 131.1 196.7

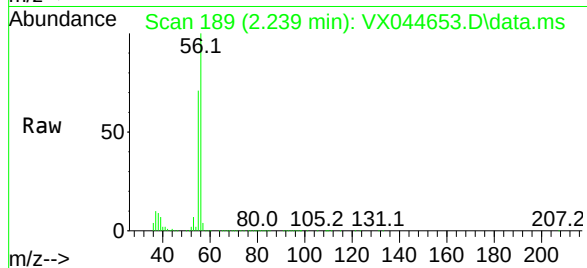
98 64.0 51.2 76.8





#13
Acrolein
Concen: 762.485 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

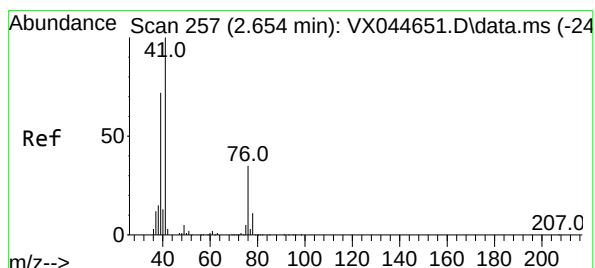
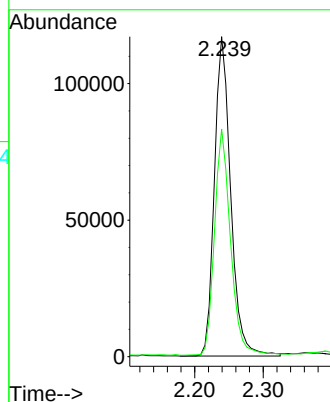
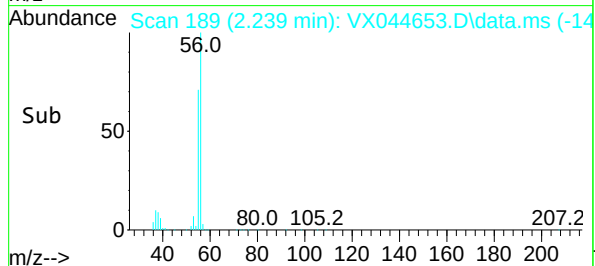
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 56 Resp: 193280
Ion Ratio Lower Upper
56 100
55 69.9 55.1 82.7

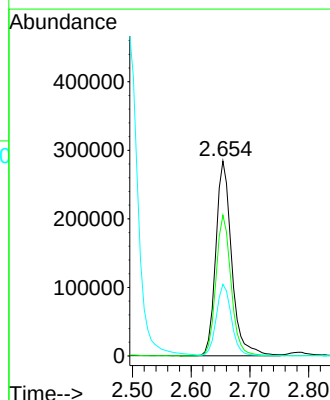
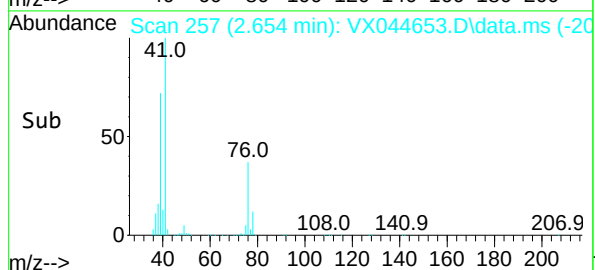
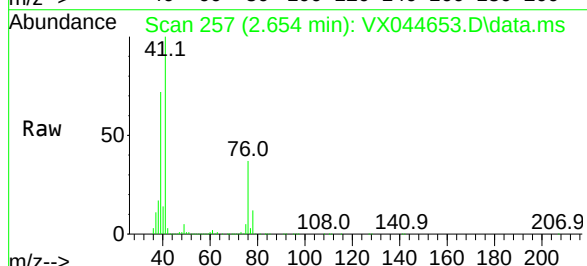
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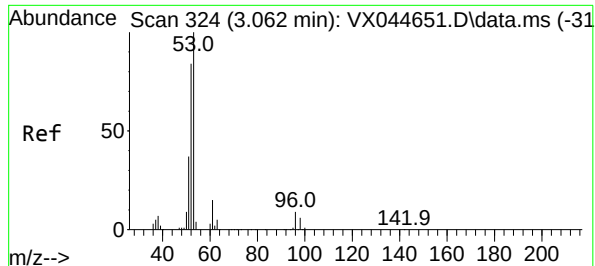
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#14
Allyl chloride
Concen: 146.366 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 41 Resp: 534150
Ion Ratio Lower Upper
41 100
39 68.7 54.9 82.3
76 34.9 28.4 42.6





#15

Acrylonitrile

Concen: 742.040 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 783970

Ion Ratio Lower Upper

53 100

52 83.1 66.0 99.0

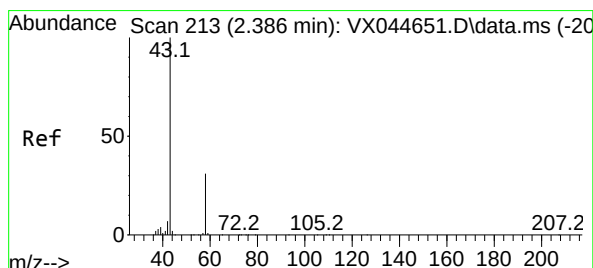
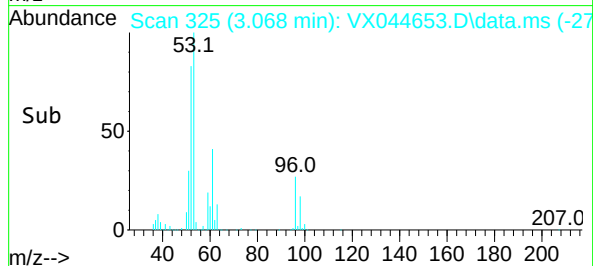
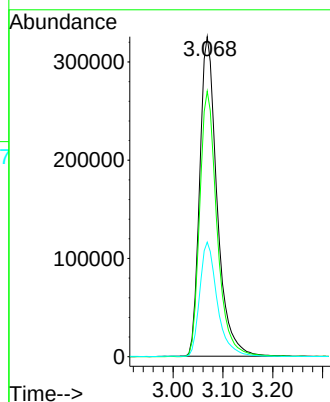
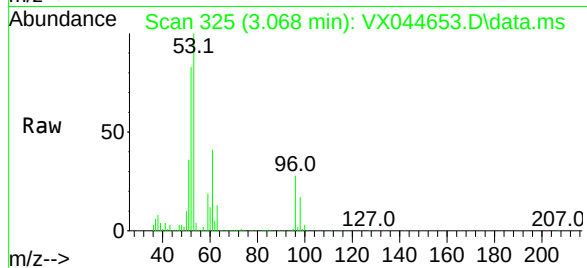
51 36.2 28.9 43.3

Manual Integrations

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Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#16

Acetone

Concen: 740.713 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX044653.D

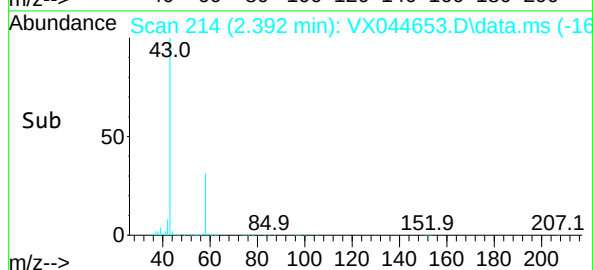
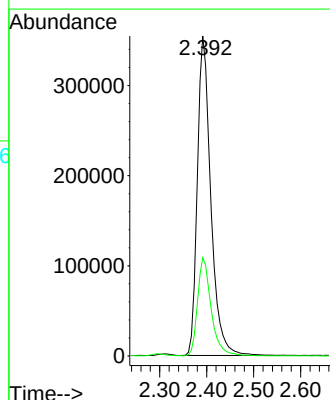
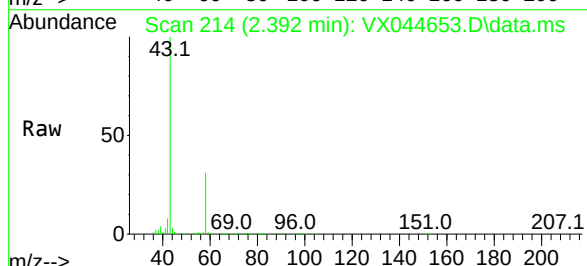
Acq: 15 Jan 2025 13:37

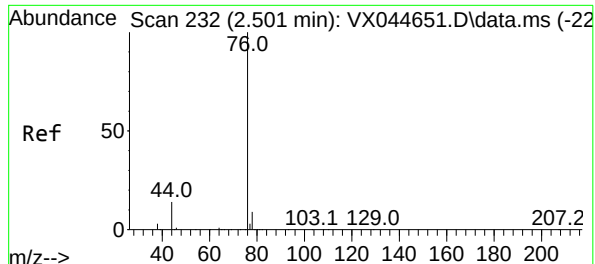
Tgt Ion: 43 Resp: 708100

Ion Ratio Lower Upper

43 100

58 30.7 24.6 37.0





#17

Carbon Disulfide

Concen: 157.079 ug/l

RT: 2.495 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 76 Resp: 803379

Ion Ratio Lower Upper

76 100

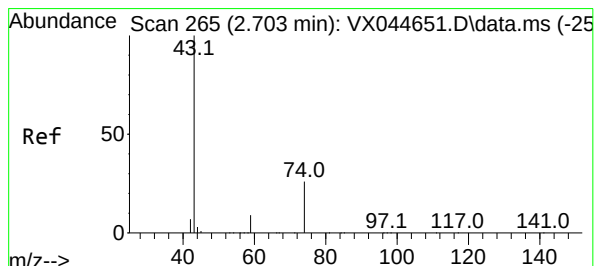
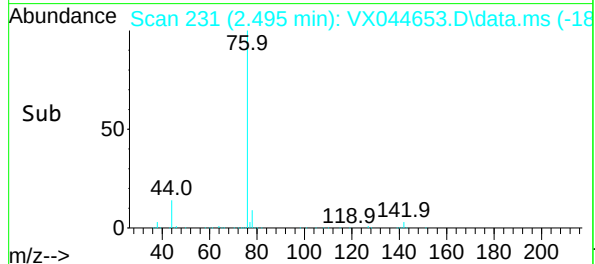
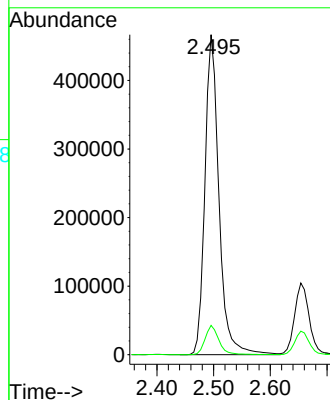
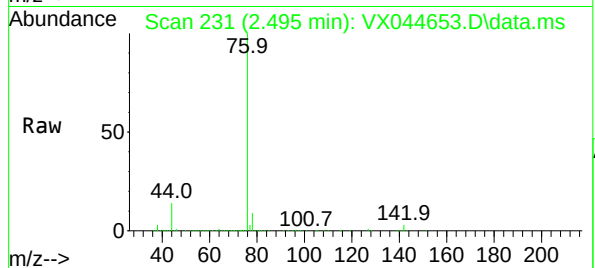
78 9.1 7.1 10.7

Manual Integrations

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Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#18

Methyl Acetate

Concen: 163.814 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044653.D

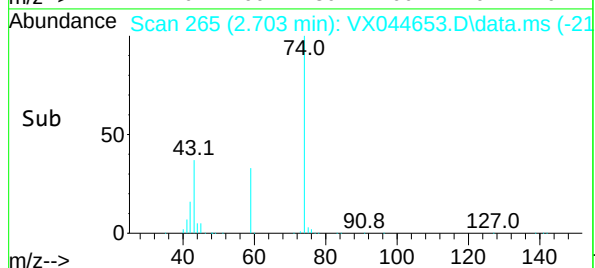
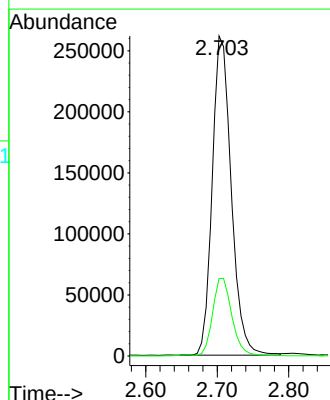
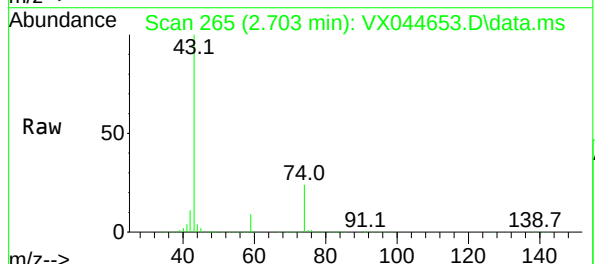
Acq: 15 Jan 2025 13:37

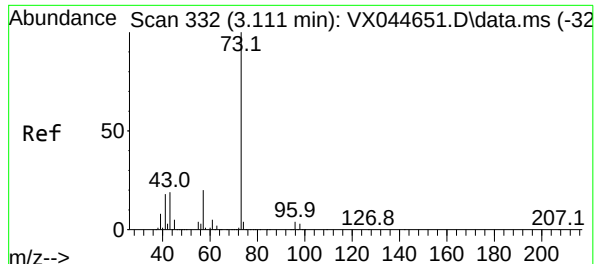
Tgt Ion: 43 Resp: 483139

Ion Ratio Lower Upper

43 100

74 24.7 19.8 29.8





#19

Methyl tert-butyl Ether

Concen: 152.410 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 73 Resp: 1034710

Ion Ratio Lower Upper

73 100

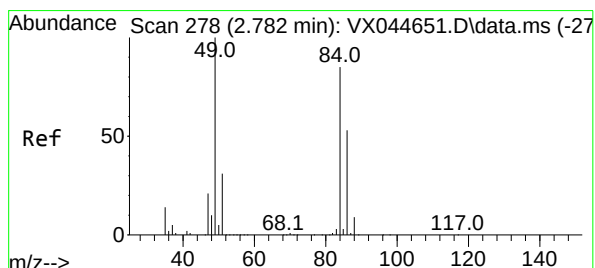
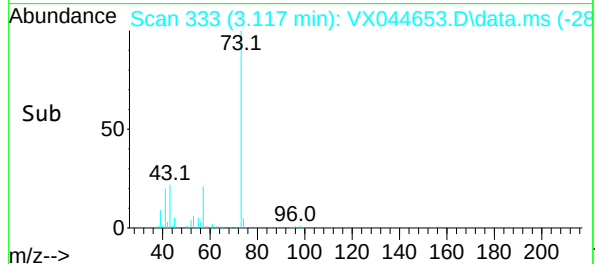
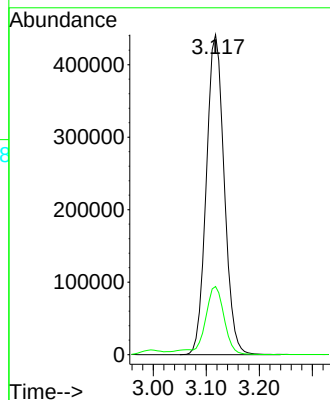
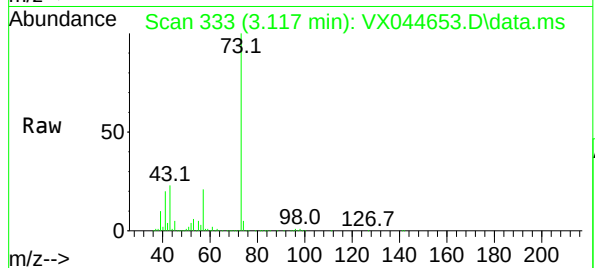
57 21.2 17.4 26.0

Manual Integrations

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Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#20

Methylene Chloride

Concen: 146.417 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Tgt Ion: 84 Resp: 325957

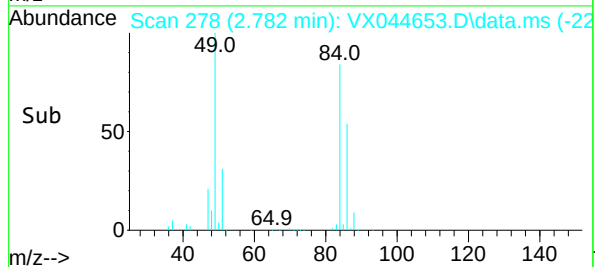
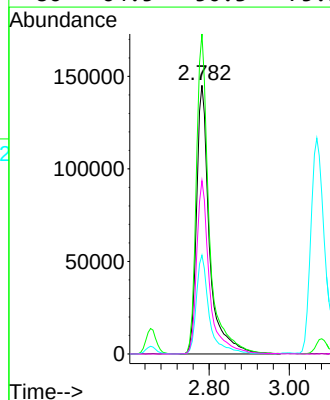
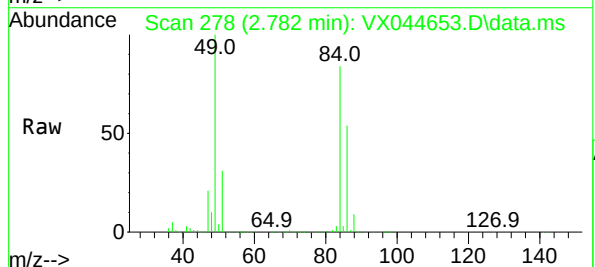
Ion Ratio Lower Upper

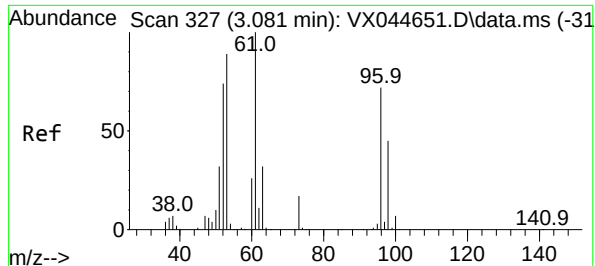
84 100

49 119.1 94.2 141.4

51 36.7 28.8 43.2

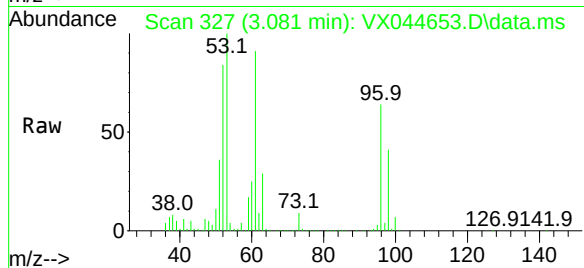
86 64.5 50.3 75.5





#21
trans-1,2-Dichloroethene
Concen: 148.536 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

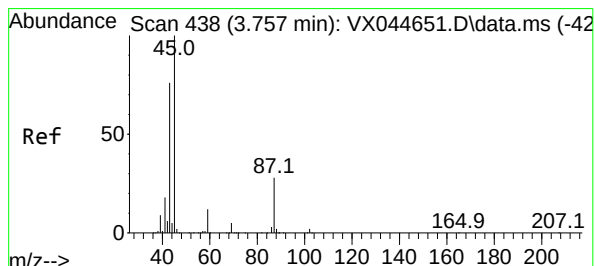
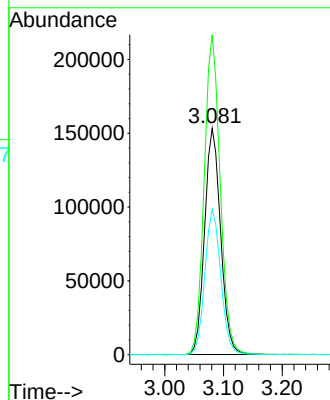
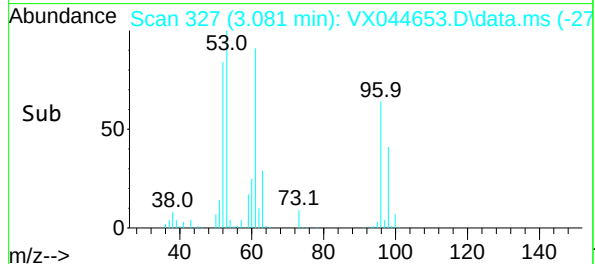
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 96 Resp: 29067
Ion Ratio Lower Upper
96 100
61 141.3 111.0 166.6
98 64.2 50.2 75.2

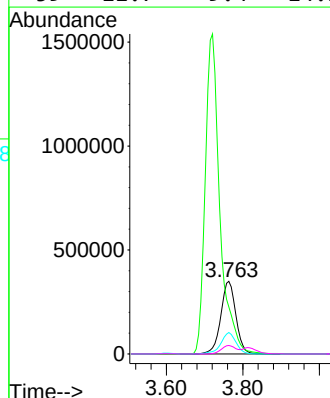
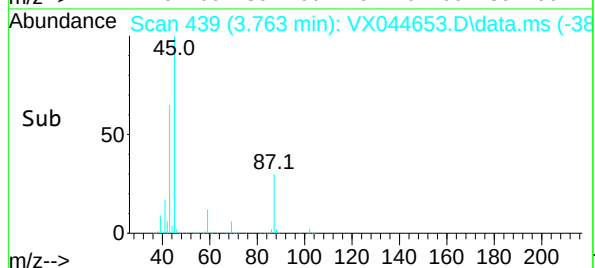
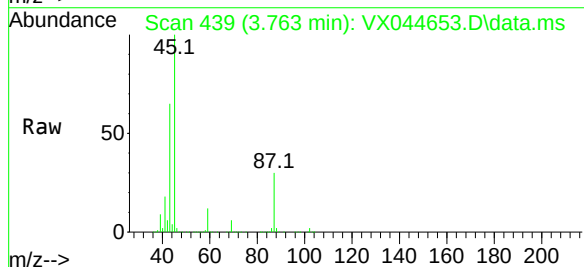
Manual Integrations
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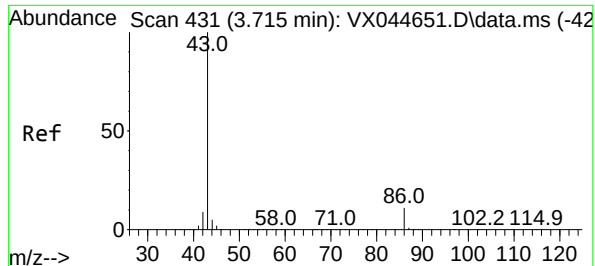
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#22
Diisopropyl ether
Concen: 150.864 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 45 Resp: 957045
Ion Ratio Lower Upper
45 100
43 64.8 61.0 91.6
87 29.6 22.7 34.1
59 11.7 9.4 14.2





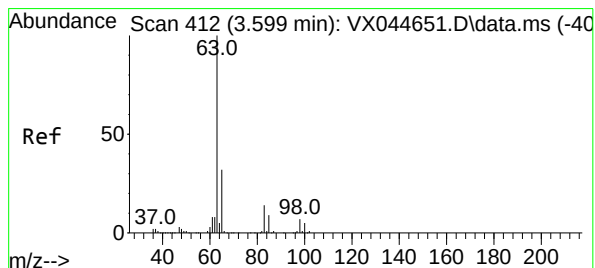
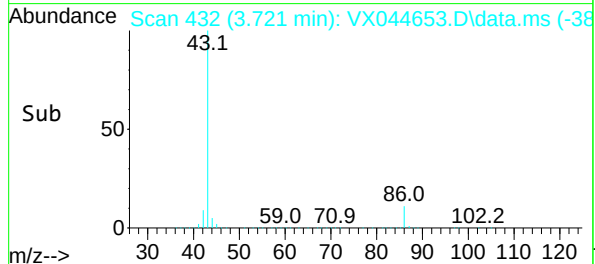
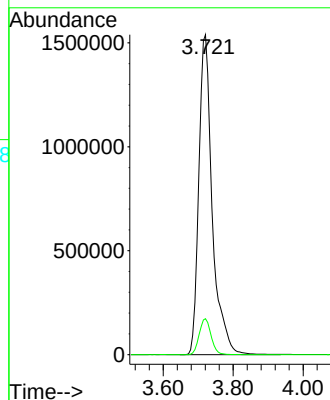
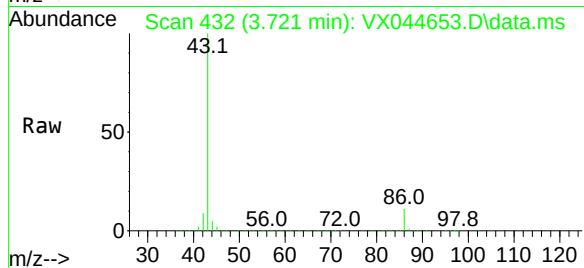
#23
Vinyl Acetate
Concen: 738.701 ug/l
RT: 3.721 min Scan# 411
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 410158
Ion Ratio Lower Upper
43 100
86 11.3 8.9 13.3

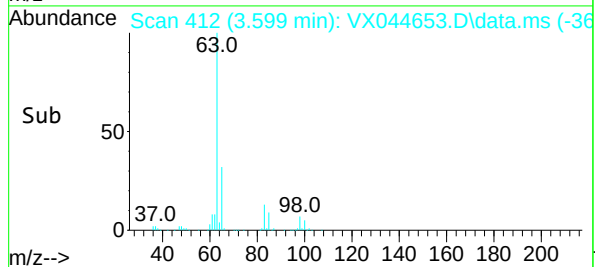
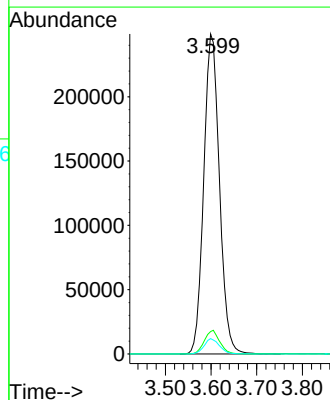
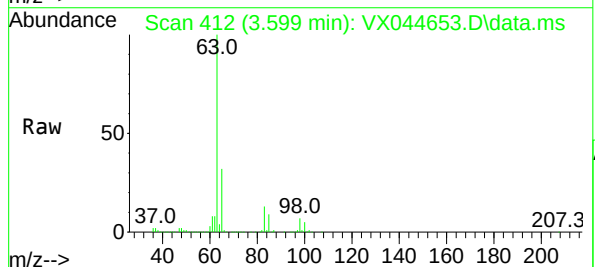
Manual Integrations
APPROVED

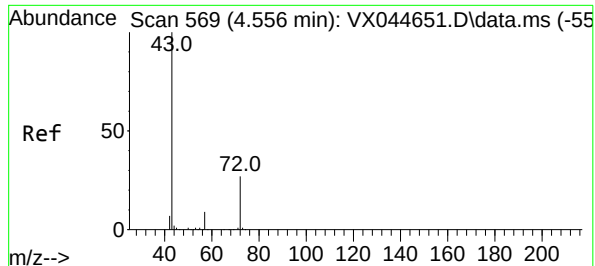
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#24
1,1-Dichloroethane
Concen: 158.014 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

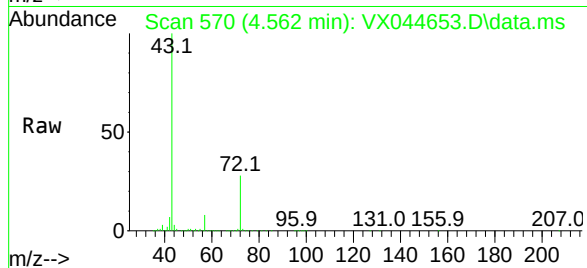
Tgt Ion: 63 Resp: 594429
Ion Ratio Lower Upper
63 100
98 7.0 3.6 10.9
100 4.8 2.5 7.5





#25
2-Butanone
Concen: 759.640 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

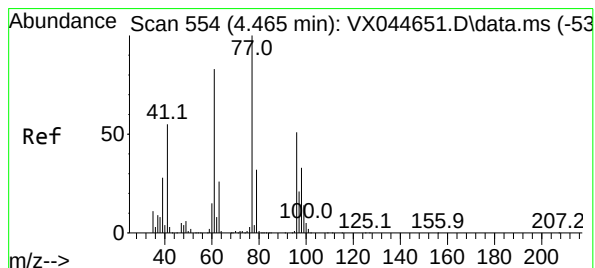
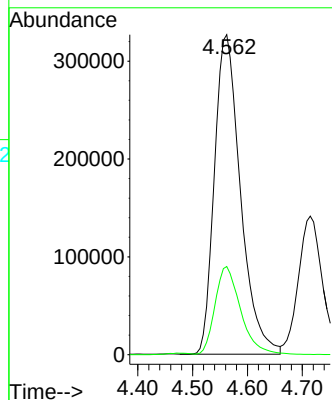
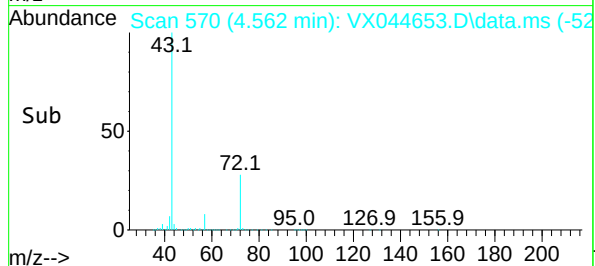
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 1079710
Ion Ratio Lower Upper
43 100
72 27.1 21.7 32.5

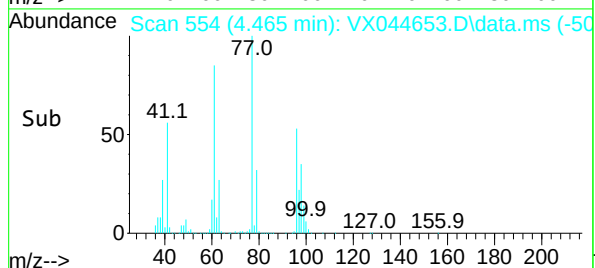
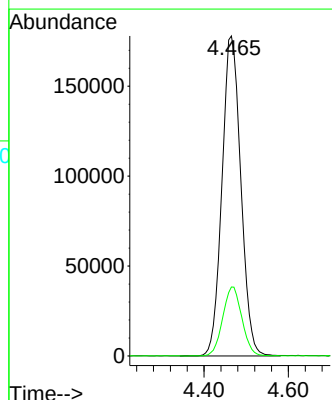
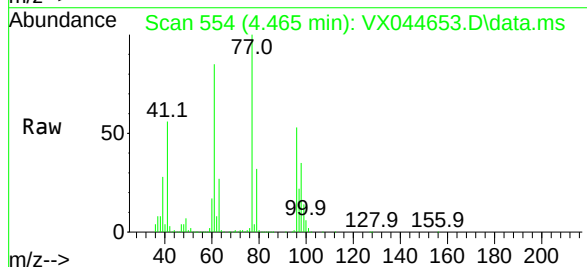
Manual Integrations
APPROVED

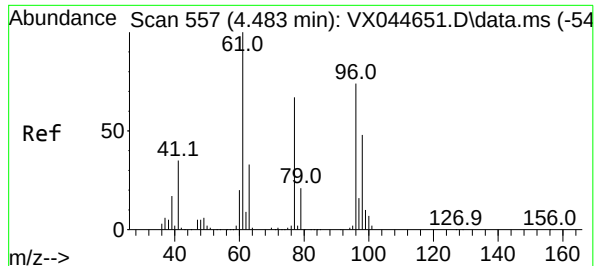
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#26
2,2-Dichloropropane
Concen: 150.882 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 77 Resp: 550106
Ion Ratio Lower Upper
77 100
97 22.0 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 150.386 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 37017

Ion Ratio Lower Upper

96 100

61 147.0 0.0 296.0

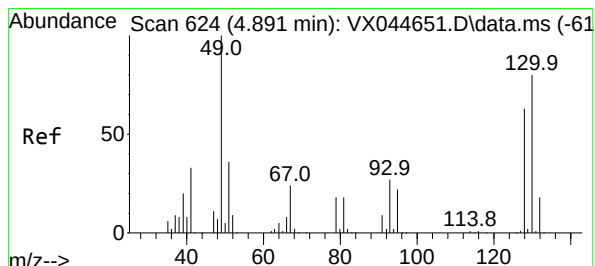
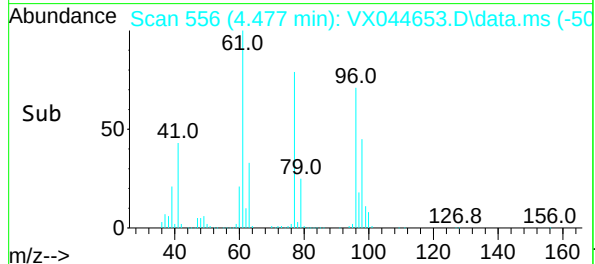
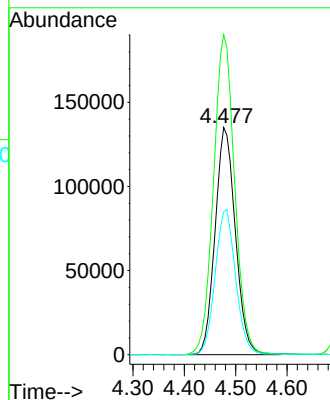
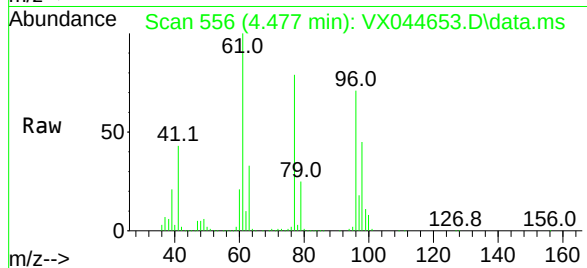
98 64.4 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#28

Bromochloromethane

Concen: 142.922 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

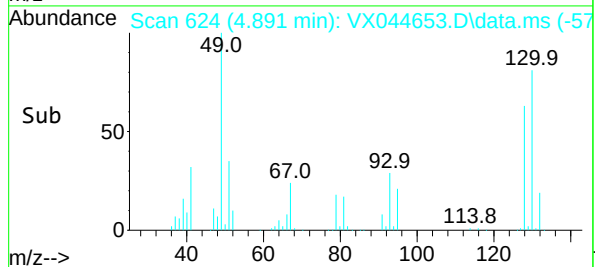
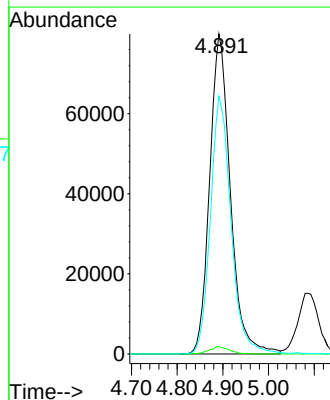
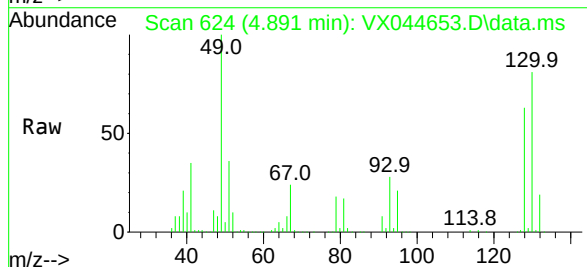
Tgt Ion: 49 Resp: 251238

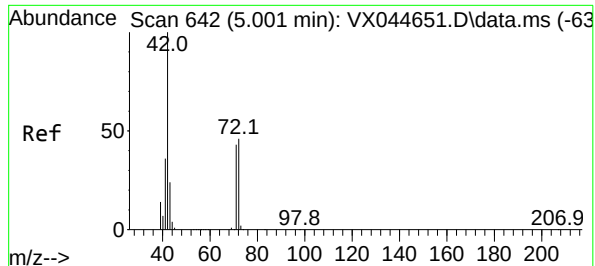
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 80.2 63.4 95.2





#29

Tetrahydrofuran

Concen: 752.528 ug/l

RT: 5.007 min Scan# 642

Delta R.T. 0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 689928

Ion Ratio Lower Upper

42 100

72 47.0 38.2 57.4

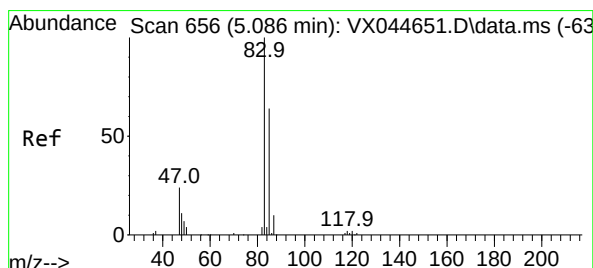
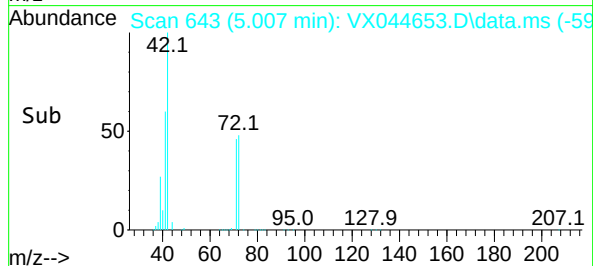
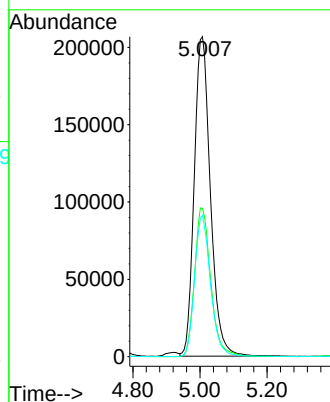
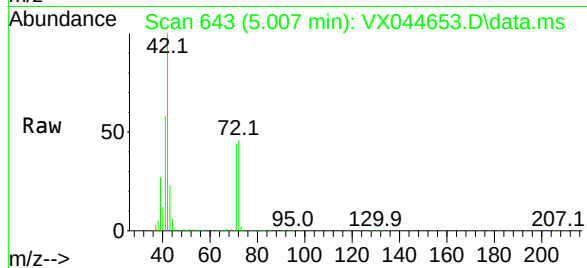
71 43.6 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#30

Chloroform

Concen: 152.595 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044653.D

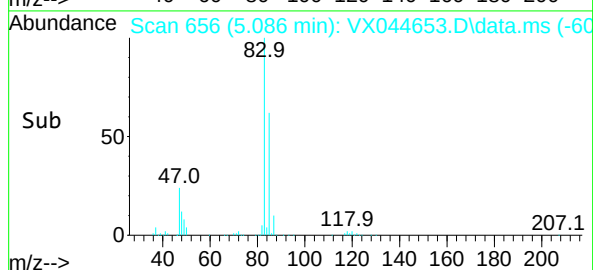
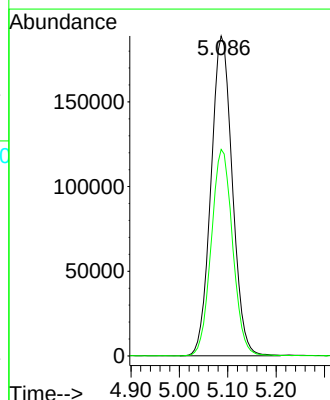
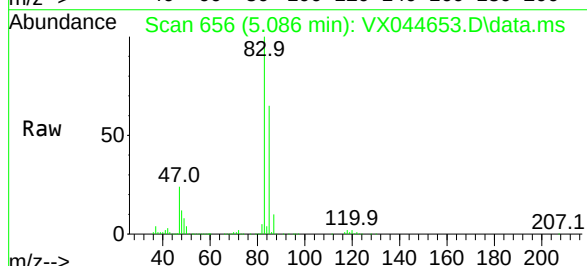
Acq: 15 Jan 2025 13:37

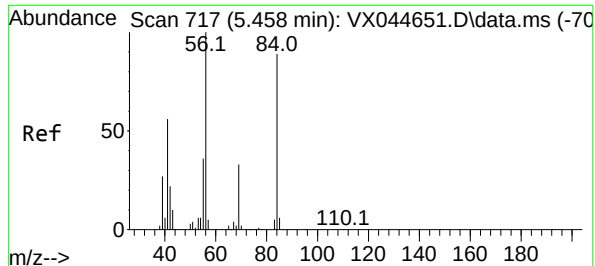
Tgt Ion: 83 Resp: 579322

Ion Ratio Lower Upper

83 100

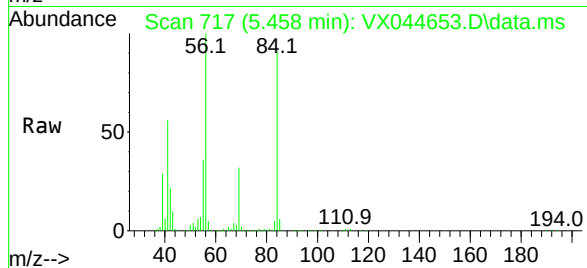
85 64.5 51.2 76.8





#31
Cyclohexane
Concen: 156.483 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

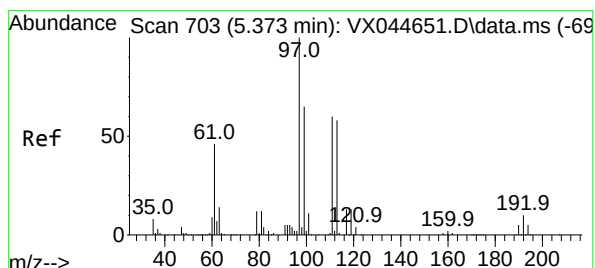
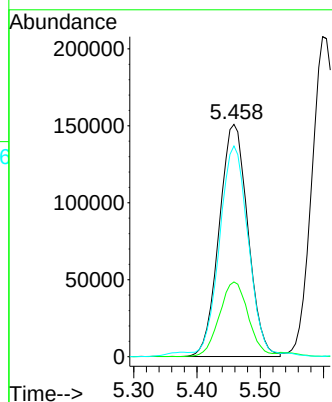
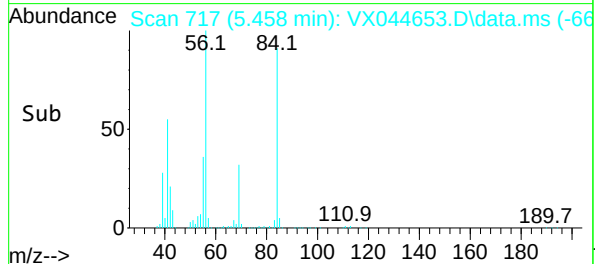
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 56 Resp: 476100
Ion Ratio Lower Upper
56 100
69 32.1 26.8 40.2
84 89.3 71.0 106.4

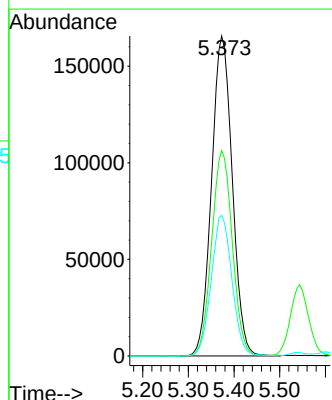
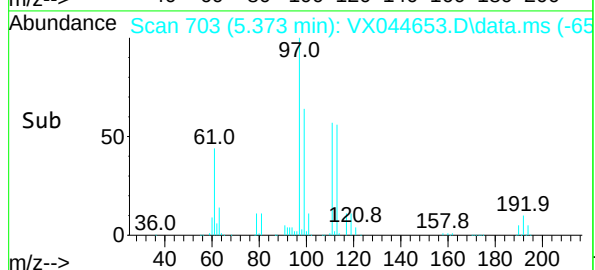
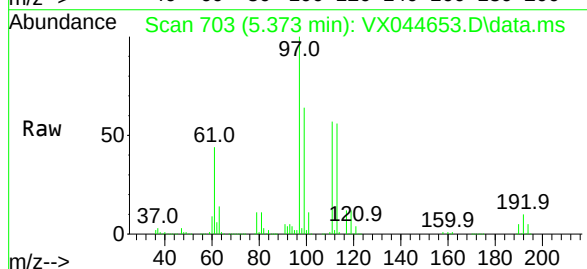
Manual Integrations
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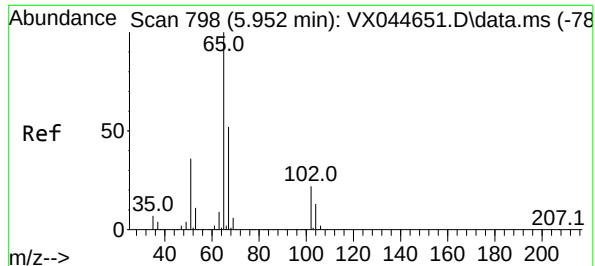
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#32
1,1,1-Trichloroethane
Concen: 149.582 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 97 Resp: 522062
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 43.9 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 156.114 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 37721

Ion Ratio Lower Upper

65 100

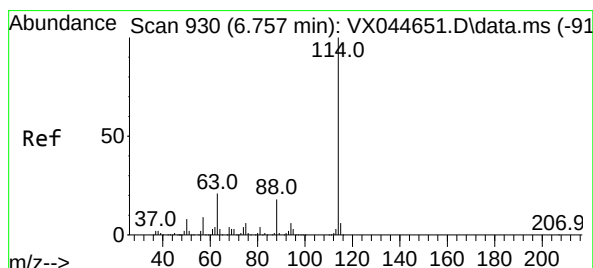
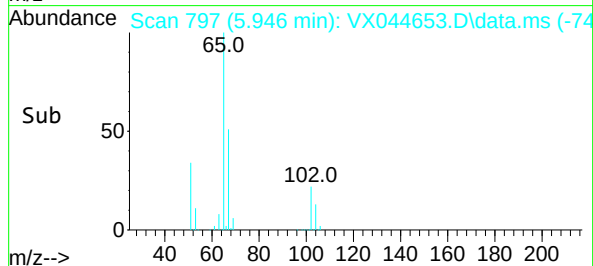
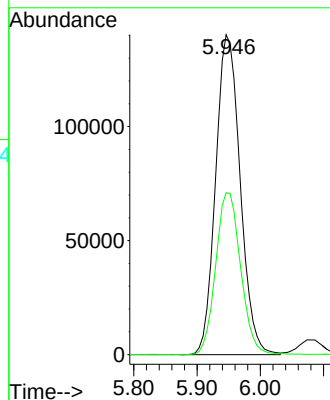
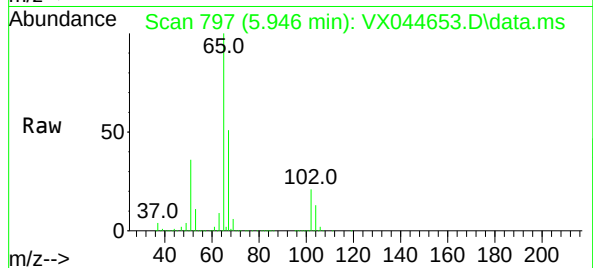
67 51.4 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

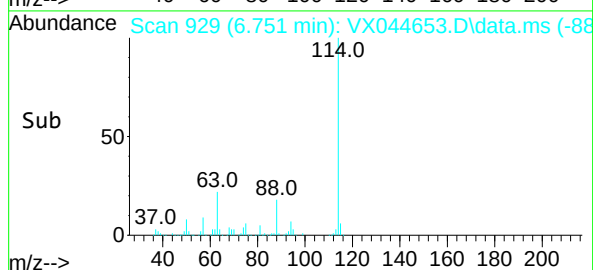
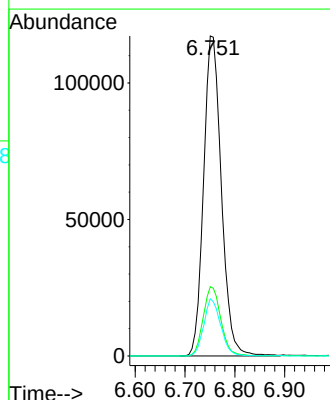
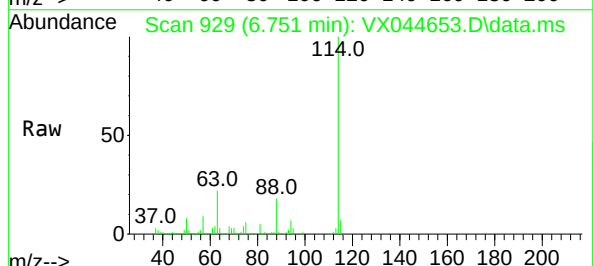
Tgt Ion:114 Resp: 290219

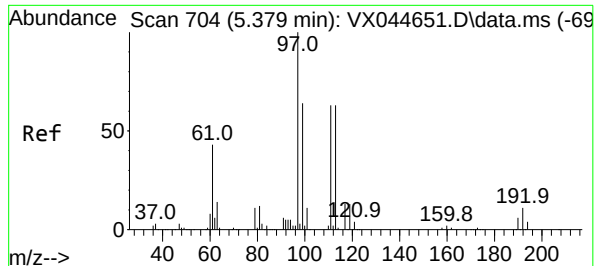
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.0

88 17.8 0.0 35.4





#35

Dibromofluoromethane

Concen: 157.288 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:113 Resp: 289994

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

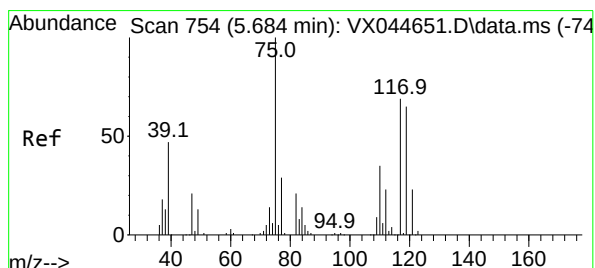
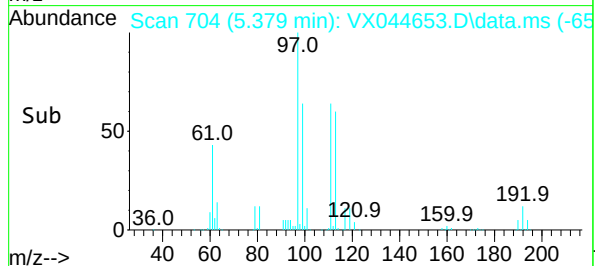
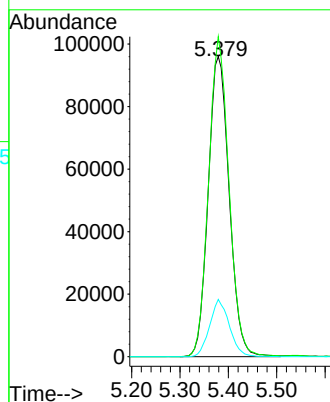
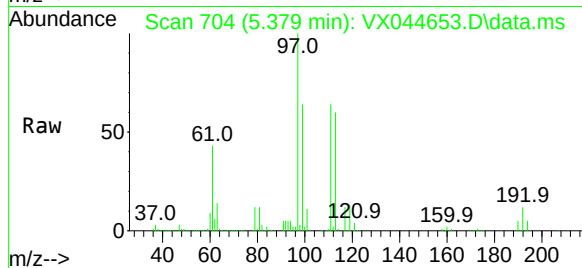
192 17.9 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#36

1,1-Dichloropropene

Concen: 150.517 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

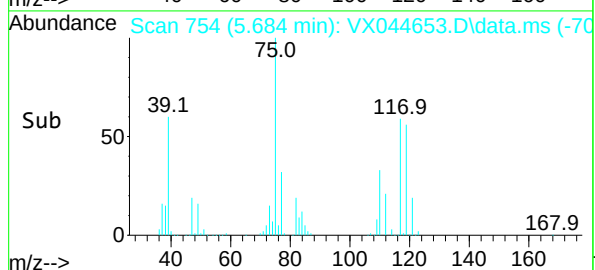
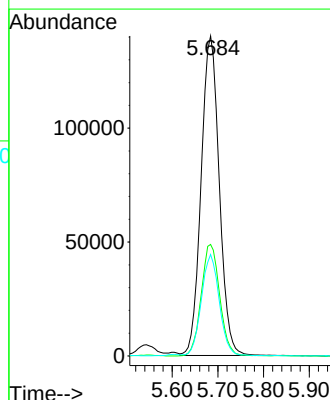
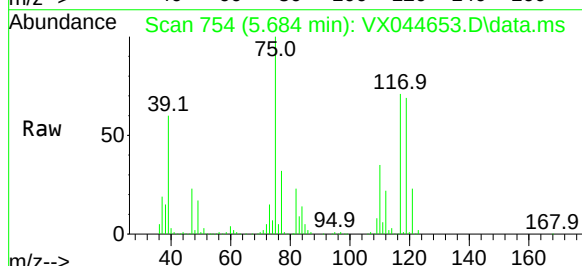
Tgt Ion: 75 Resp: 386304

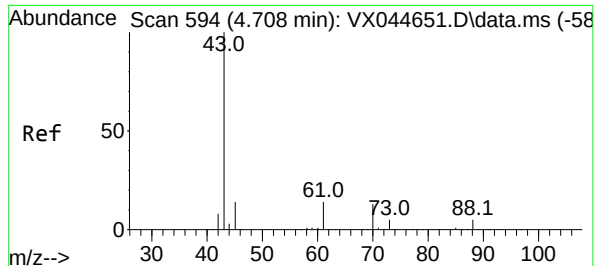
Ion Ratio Lower Upper

75 100

110 35.5 17.9 53.8

77 31.1 24.5 36.7





#37

Ethyl Acetate

Concen: 158.764 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 433924

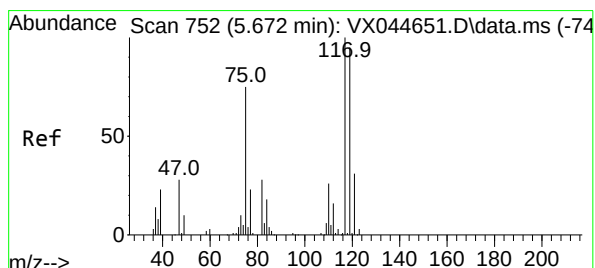
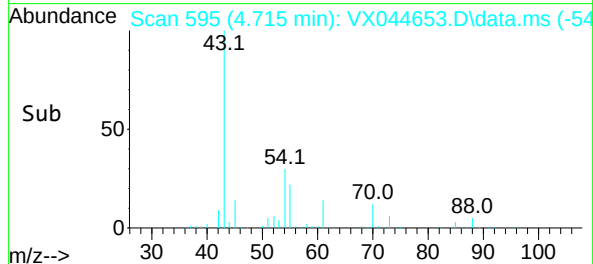
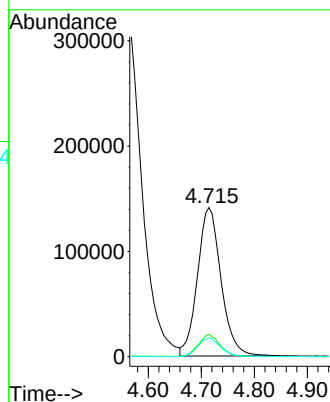
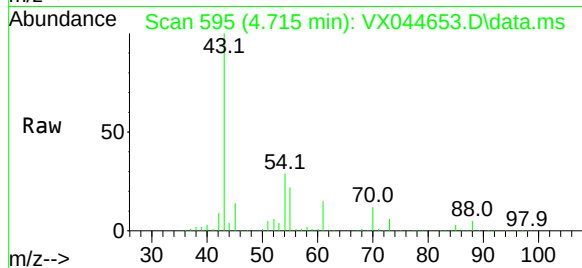
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.9	16.3
70	12.3	10.1	15.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#38

Carbon Tetrachloride

Concen: 151.528 ug/l

RT: 5.666 min Scan# 751

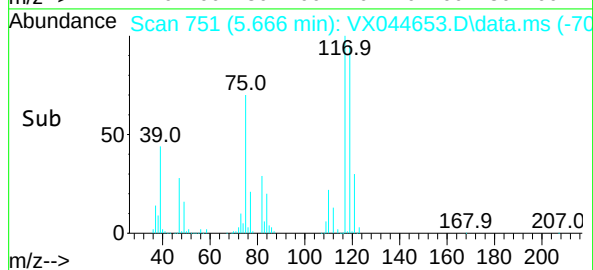
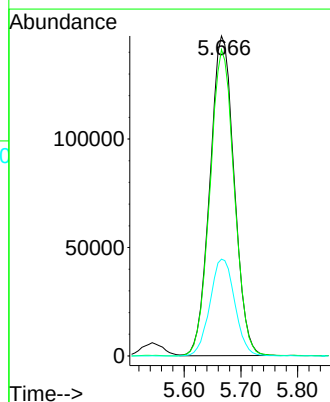
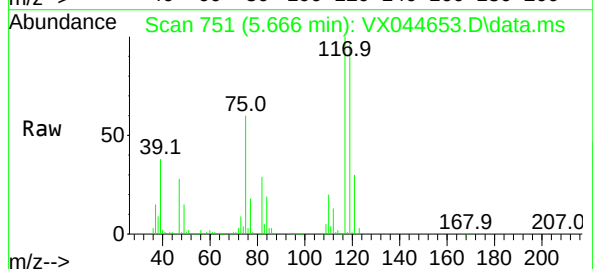
Delta R.T. -0.006 min

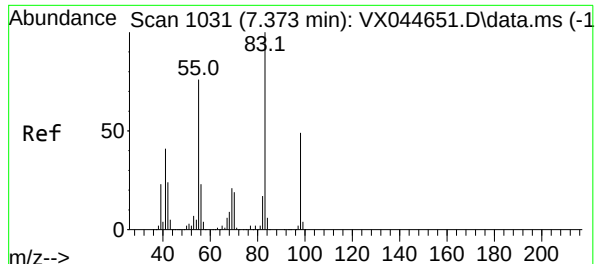
Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Tgt Ion:117 Resp: 437442

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.0	114.0
121	30.3	24.6	36.8





#39

Methylcyclohexane

Concen: 157.021 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 534970

Ion Ratio Lower Upper

83 100

55 76.6 60.5 90.7

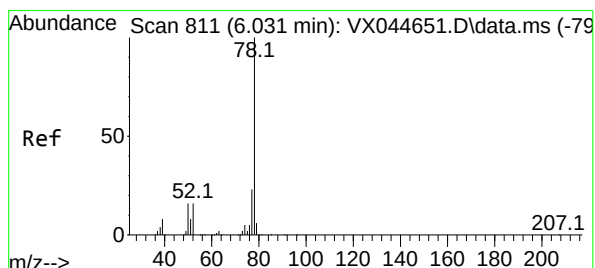
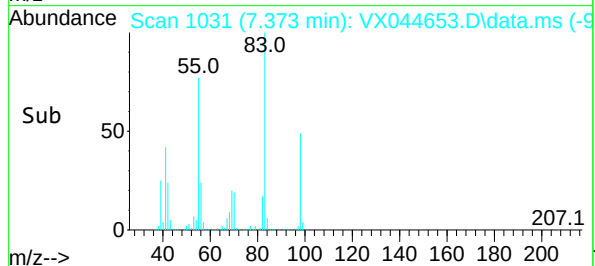
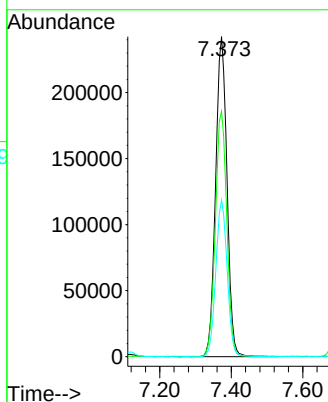
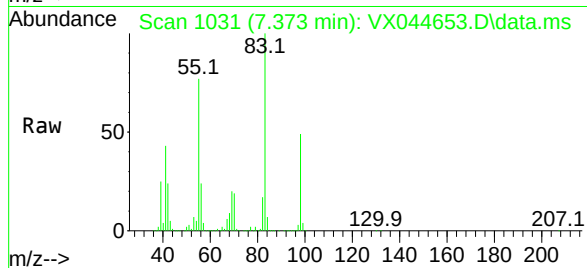
98 49.0 39.0 58.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#40

Benzene

Concen: 151.523 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044653.D

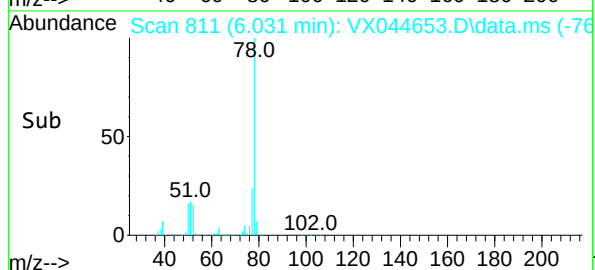
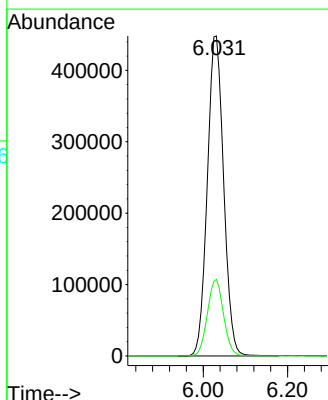
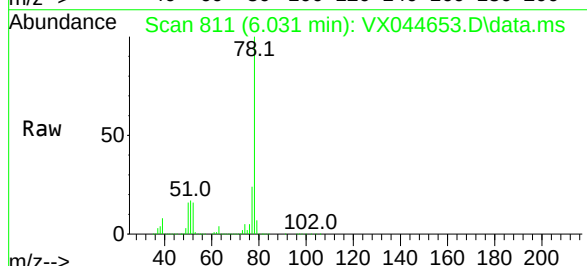
Acq: 15 Jan 2025 13:37

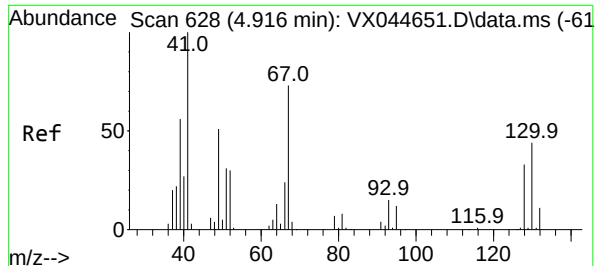
Tgt Ion: 78 Resp: 1205057

Ion Ratio Lower Upper

78 100

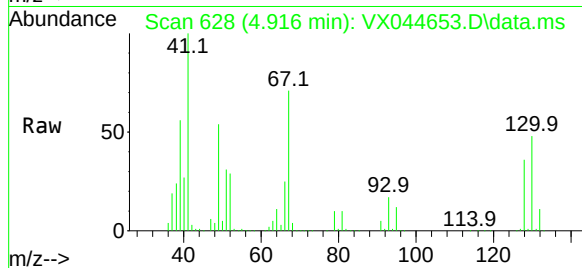
77 24.0 18.7 28.1





#41
Methacrylonitrile
Concen: 151.900 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

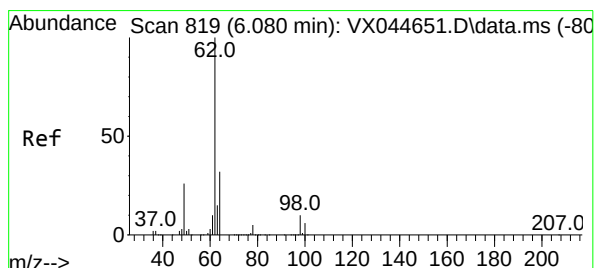
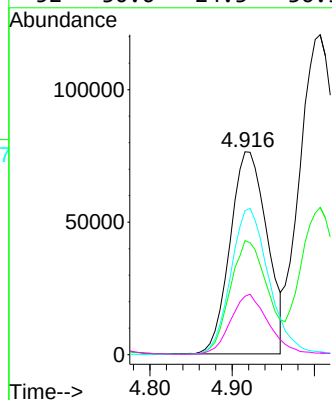
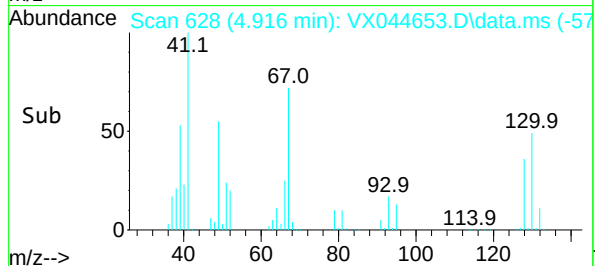
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 41 Resp: 23860
Ion Ratio Lower Upper
41 100
39 57.9 44.4 66.6
67 74.8 60.6 90.8
52 30.6 24.3 36.5

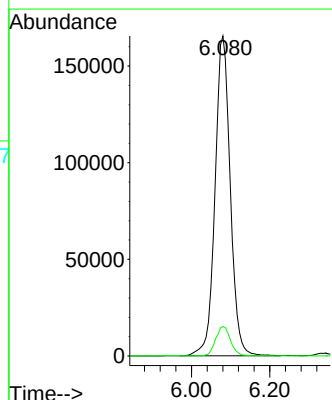
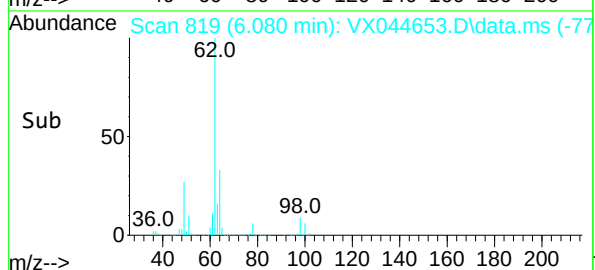
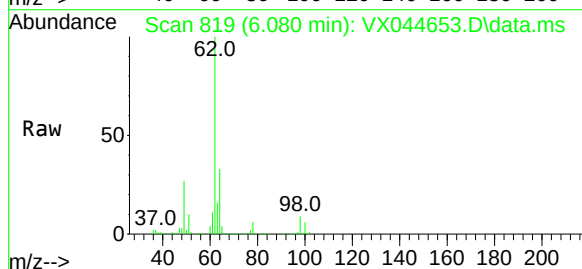
Manual Integrations
APPROVED

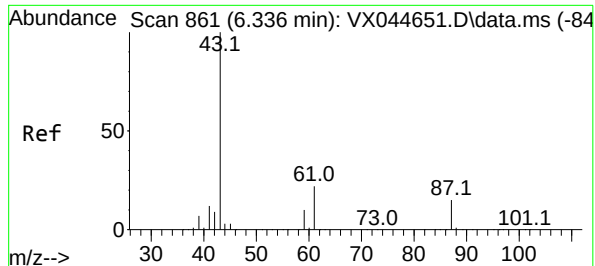
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#42
1,2-Dichloroethane
Concen: 153.782 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 62 Resp: 446380
Ion Ratio Lower Upper
62 100
98 9.1 0.0 19.4





#43

Isopropyl Acetate

Concen: 151.528 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 761860

Ion Ratio Lower Upper

43 100

61 20.8 16.6 24.8

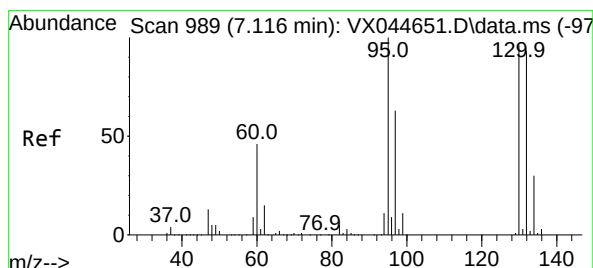
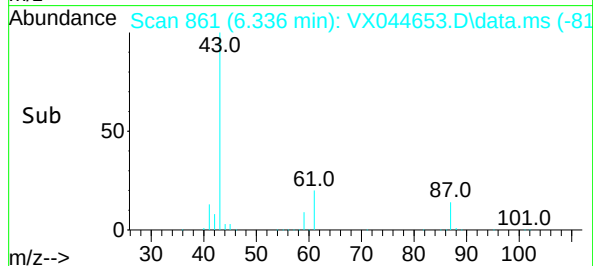
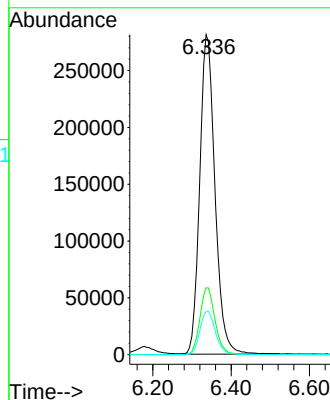
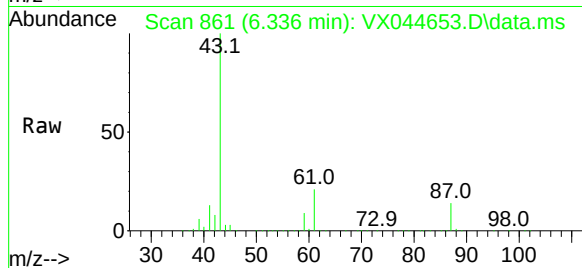
87 14.0 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#44

Trichloroethene

Concen: 161.735 ug/l

RT: 7.117 min Scan# 989

Delta R.T. 0.000 min

Lab File: VX044653.D

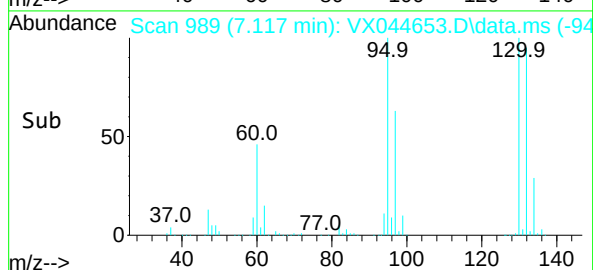
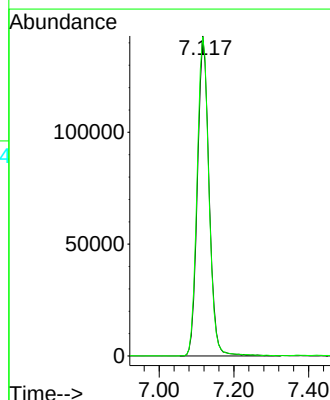
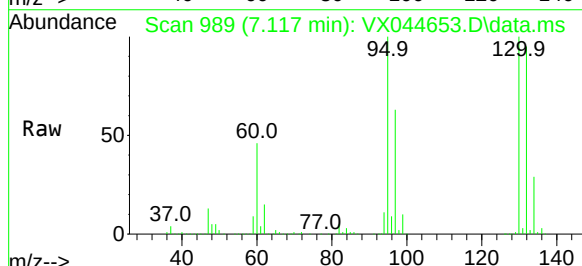
Acq: 15 Jan 2025 13:37

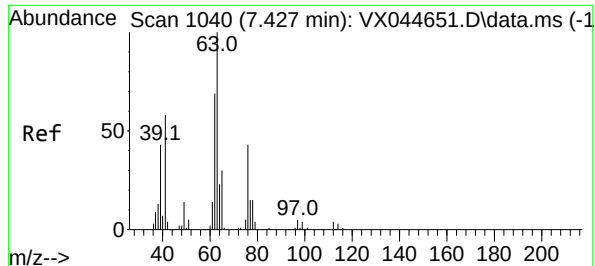
Tgt Ion:130 Resp: 309226

Ion Ratio Lower Upper

130 100

95 99.7 0.0 208.2





#45

1,2-Dichloropropane

Concen: 154.175 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 30864

Ion Ratio Lower Upper

63 100

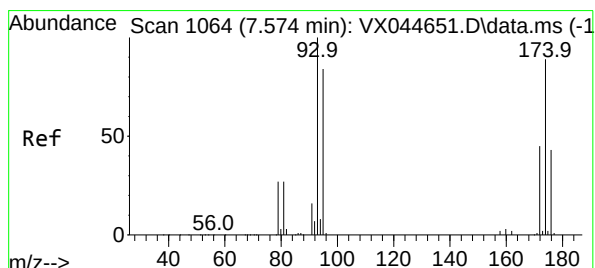
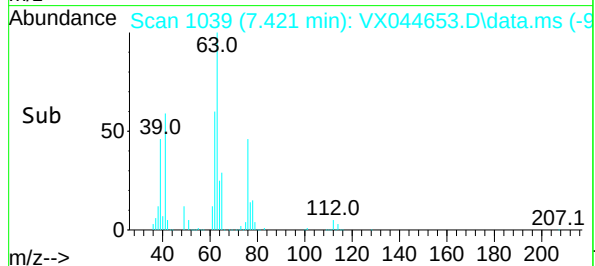
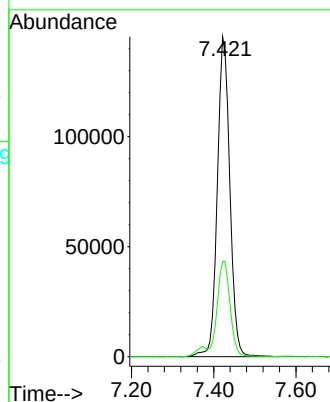
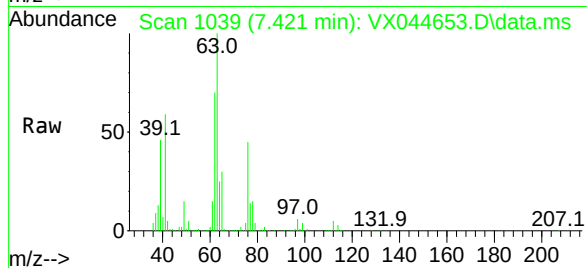
65 29.7 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#46

Dibromomethane

Concen: 152.021 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

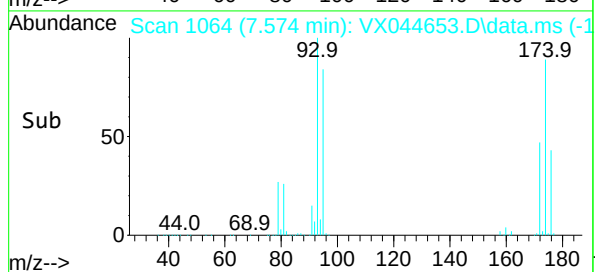
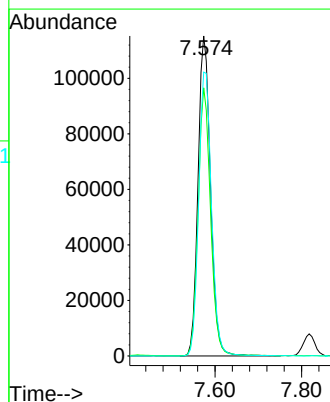
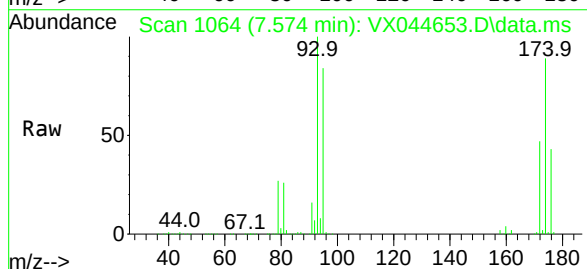
Tgt Ion: 93 Resp: 231674

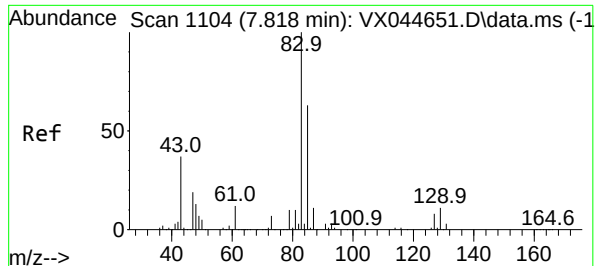
Ion Ratio Lower Upper

93 100

95 82.6 66.4 99.6

174 91.2 72.0 108.0





#47

Bromodichloromethane

Concen: 150.924 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 47168

Ion Ratio Lower Upper

83 100

85 63.8 50.1 75.1

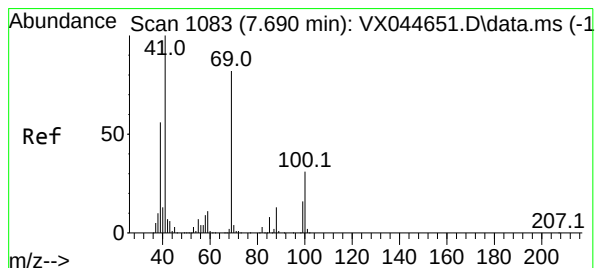
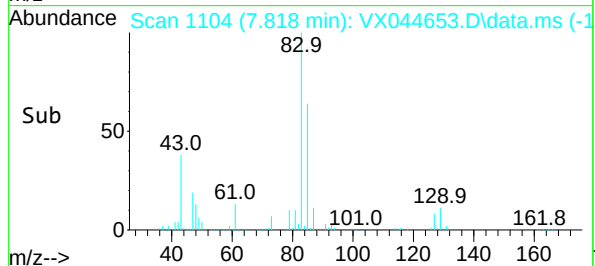
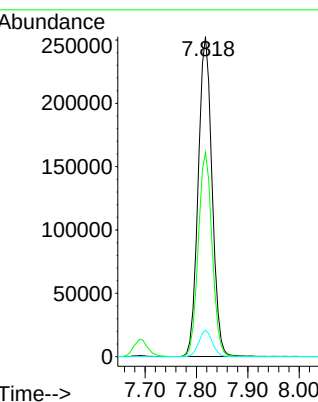
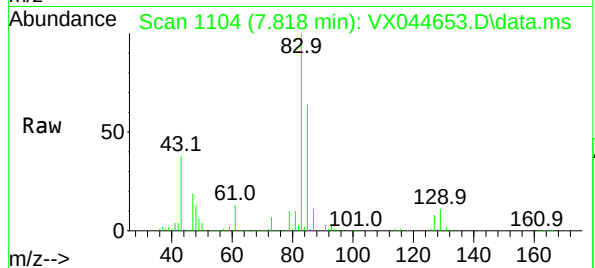
127 8.3 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#48

Methyl methacrylate

Concen: 157.946 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

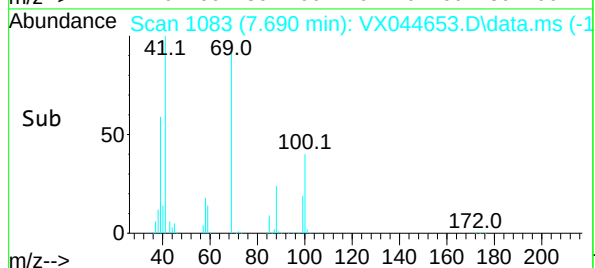
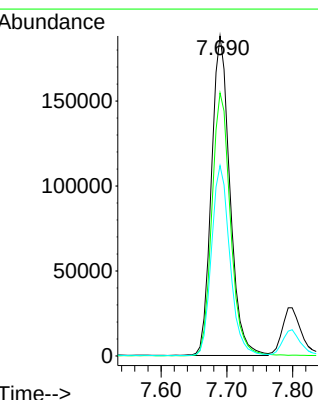
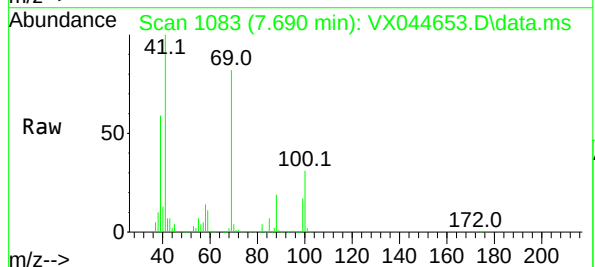
Tgt Ion: 41 Resp: 368626

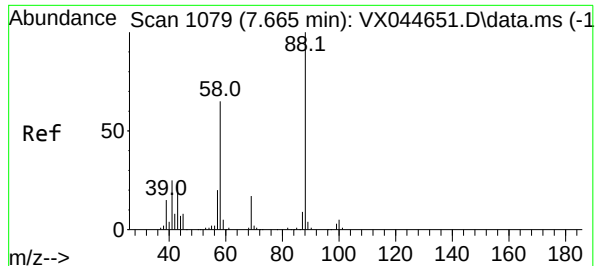
Ion Ratio Lower Upper

41 100

69 82.4 66.8 100.2

39 59.1 47.4 71.0





#49

1,4-Dioxane

Concen: 3005.585 ug/l

RT: 7.671 min Scan# 1079

Delta R.T. 0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 88 Resp: 146350

Ion Ratio Lower Upper

88 100

43 33.0 27.0 40.4

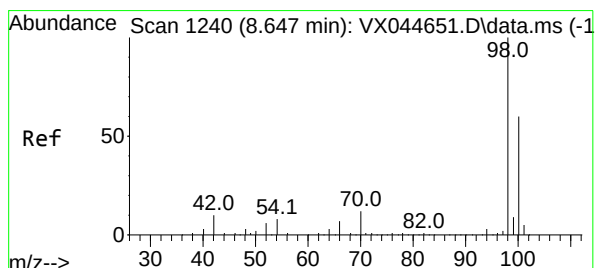
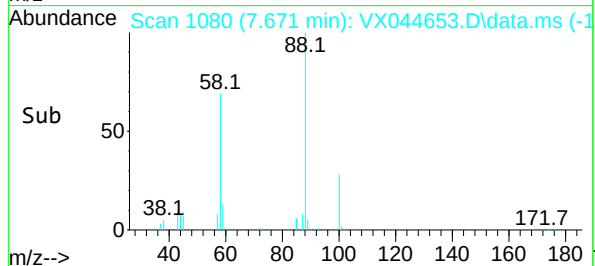
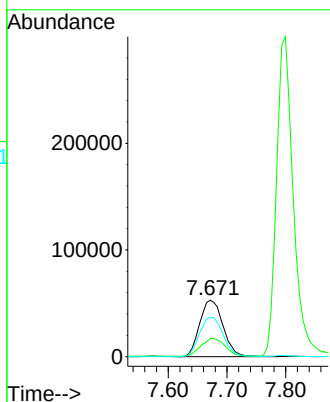
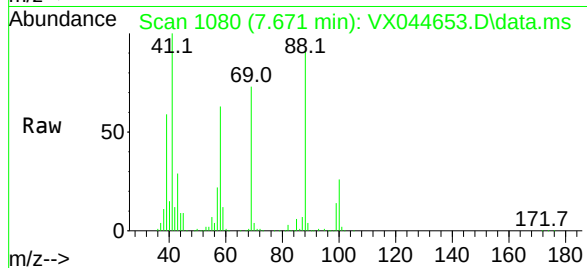
58 70.7 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#50

Toluene-d8

Concen: 149.572 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044653.D

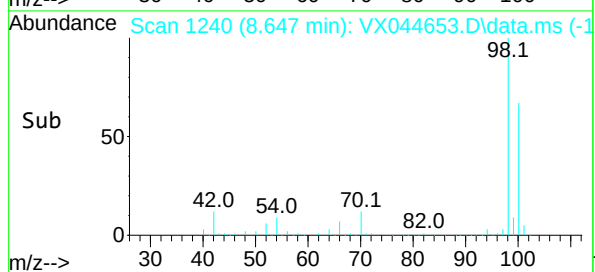
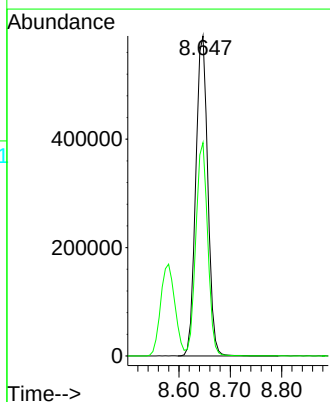
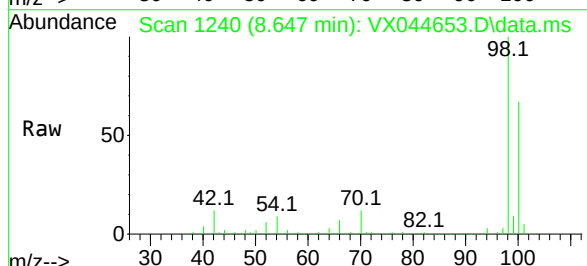
Acq: 15 Jan 2025 13:37

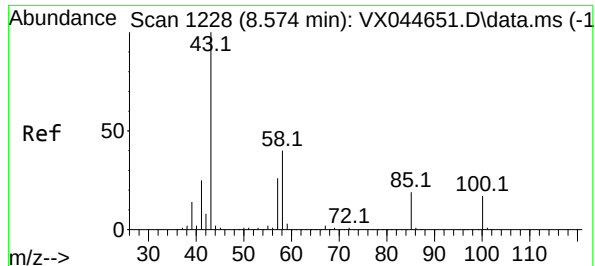
Tgt Ion: 98 Resp: 961550

Ion Ratio Lower Upper

98 100

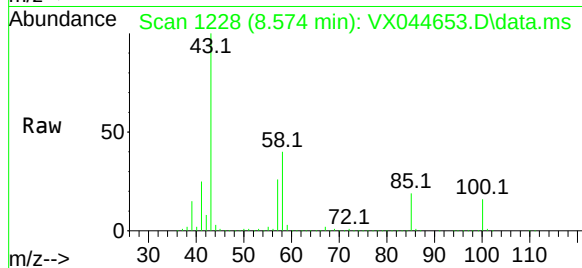
100 66.1 53.2 79.8





#51
4-Methyl-2-Pentanone
Concen: 717.818 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

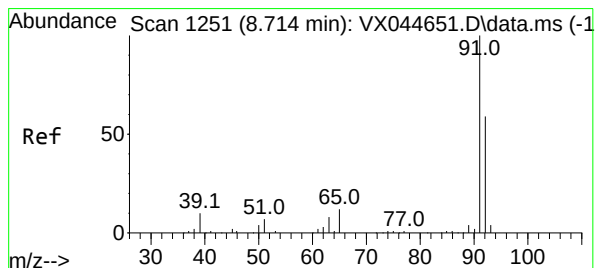
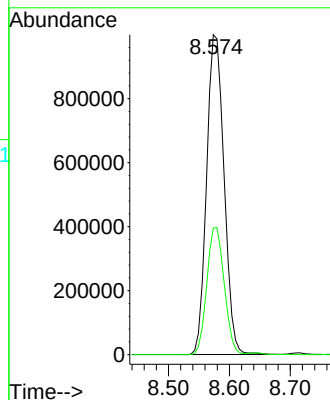
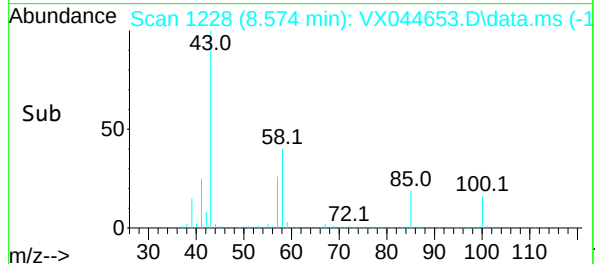
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 1994498
Ion Ratio Lower Upper
43 100
58 39.7 31.9 47.9

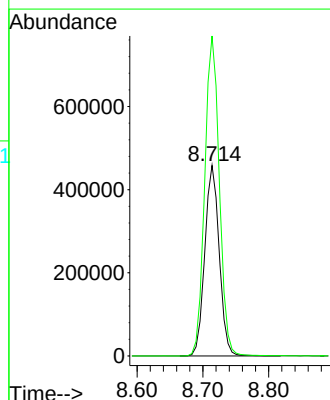
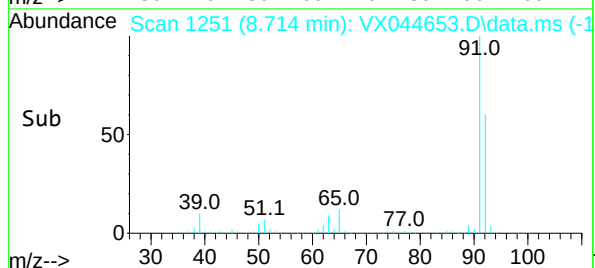
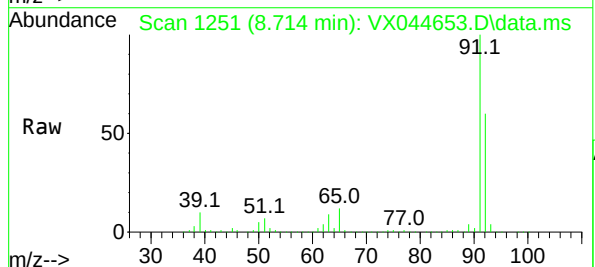
Manual Integrations
APPROVED

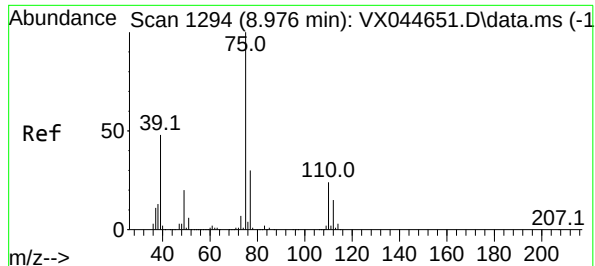
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#52
Toluene
Concen: 143.719 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 92 Resp: 699585
Ion Ratio Lower Upper
92 100
91 169.9 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 151.880 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 490414

Ion Ratio Lower Upper

75 100

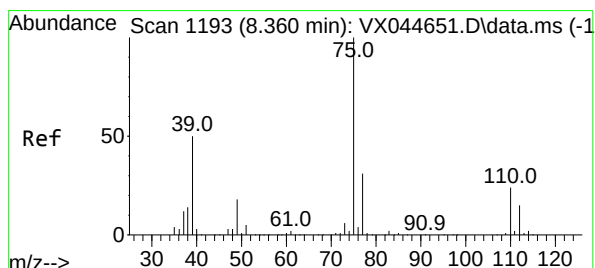
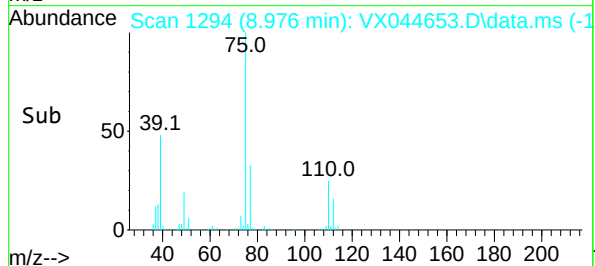
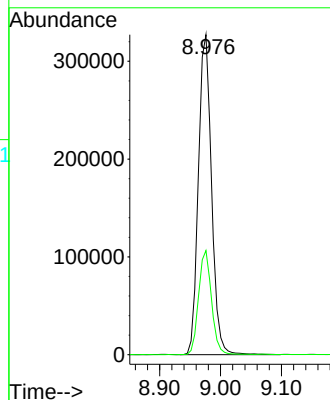
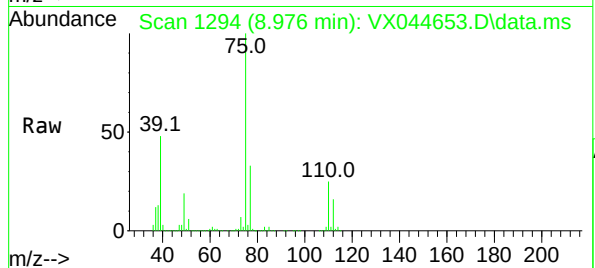
77 32.5 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#54

cis-1,3-Dichloropropene

Concen: 149.891 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

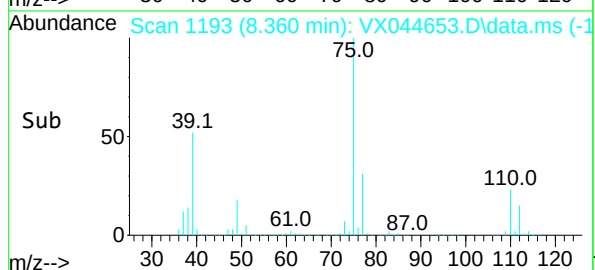
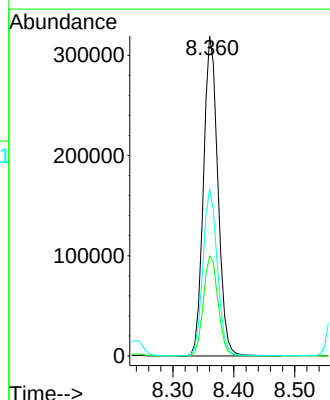
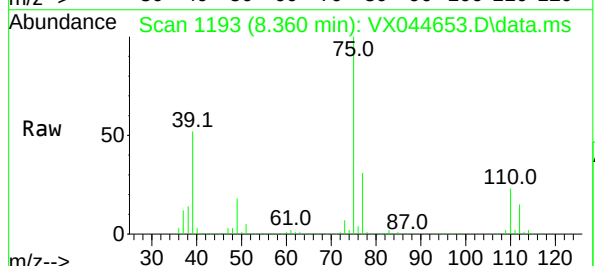
Tgt Ion: 75 Resp: 524796

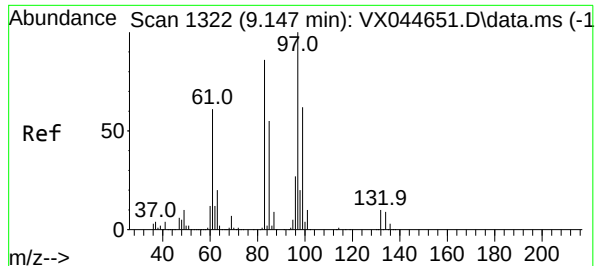
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 52.0 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 141.923 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 27950

Ion Ratio Lower Upper

97 100

83 86.2 68.8 103.2

85 56.0 43.7 65.5

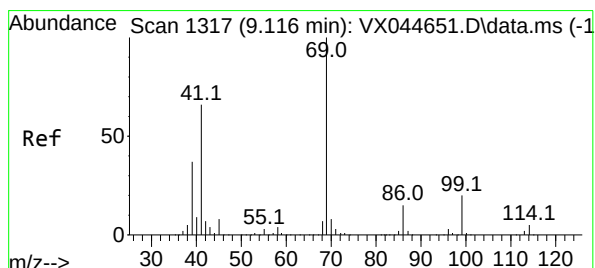
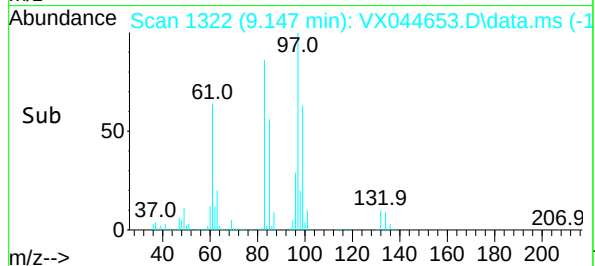
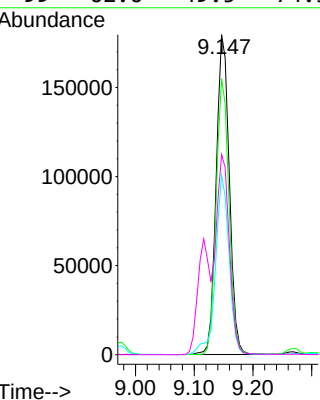
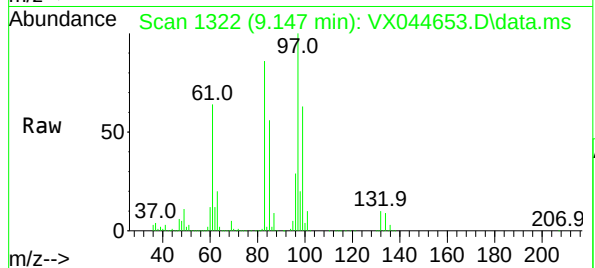
99 62.6 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#56

Ethyl methacrylate

Concen: 147.609 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

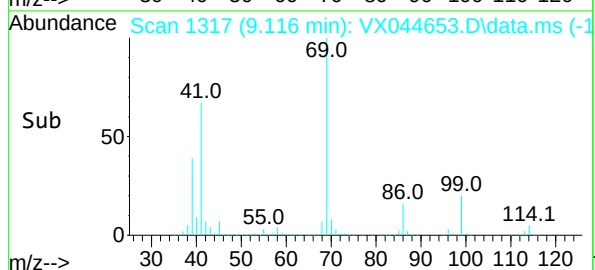
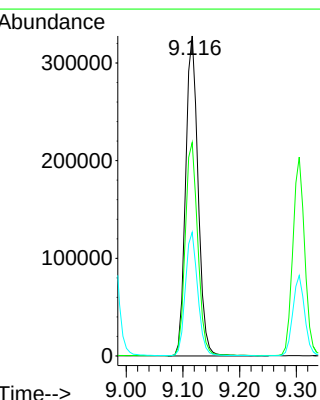
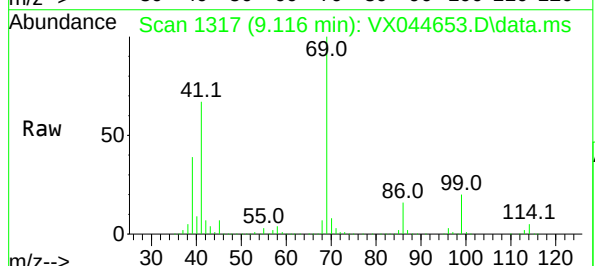
Tgt Ion: 69 Resp: 499842

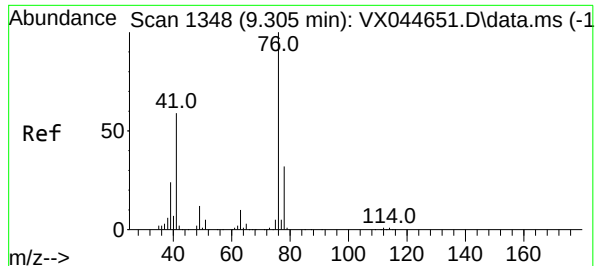
Ion Ratio Lower Upper

69 100

41 66.9 53.2 79.8

39 38.0 30.2 45.2





#57

1,3-Dichloropropane

Concen: 144.720 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 48534

Ion Ratio Lower Upper

76 100

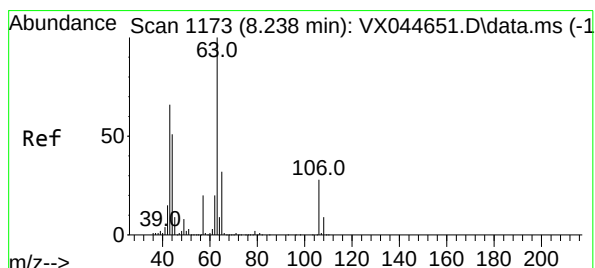
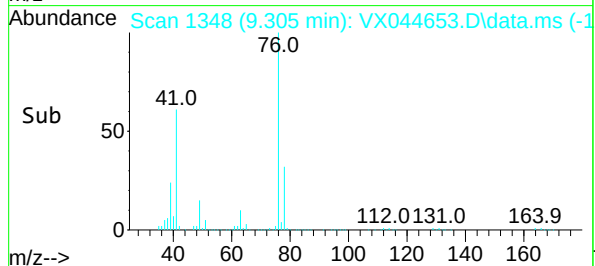
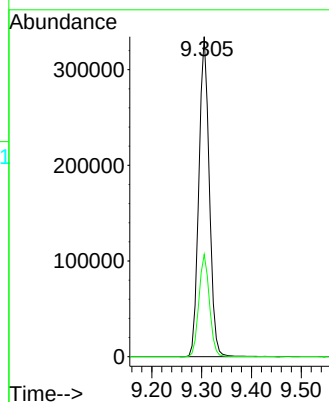
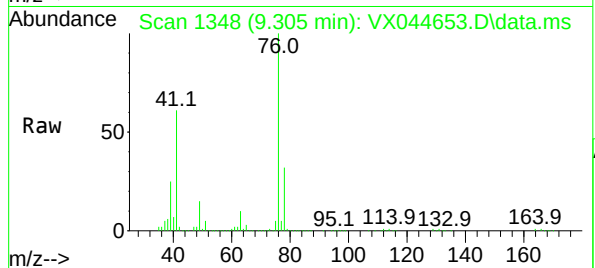
78 32.1 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#58

2-Chloroethyl Vinyl ether

Concen: 708.825 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044653.D

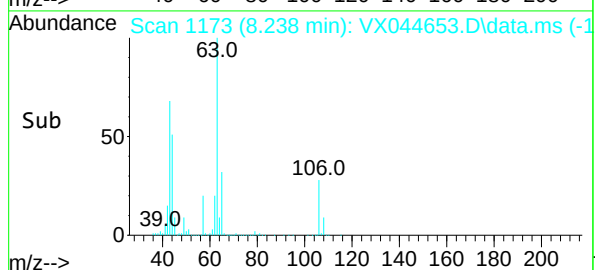
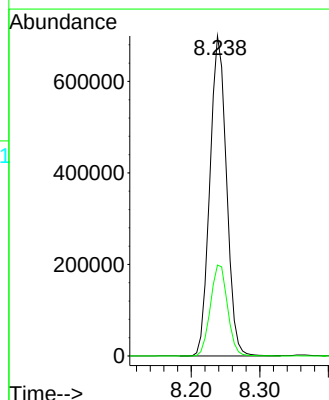
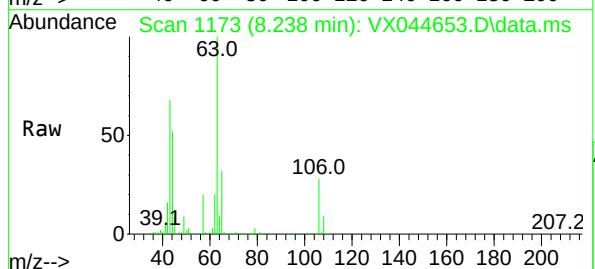
Acq: 15 Jan 2025 13:37

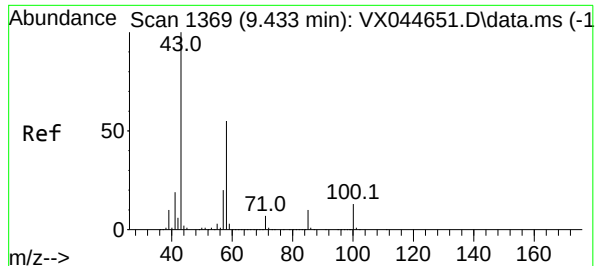
Tgt Ion: 63 Resp: 1178391

Ion Ratio Lower Upper

63 100

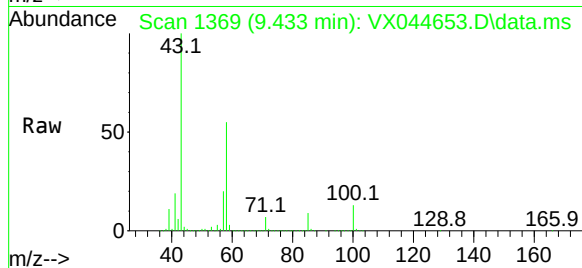
106 29.1 23.0 34.6





#59
2-Hexanone
Concen: 725.401 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

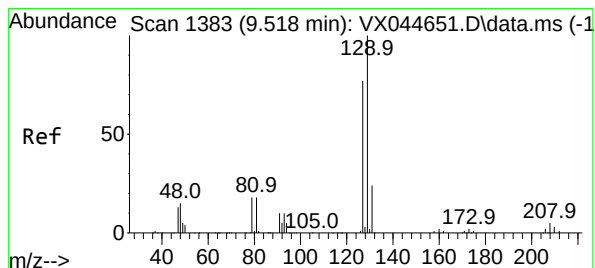
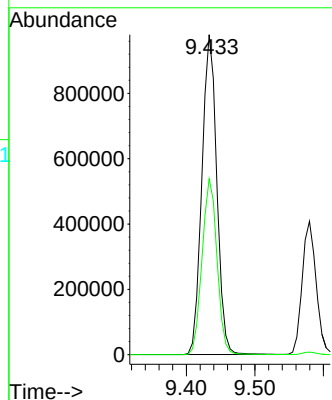
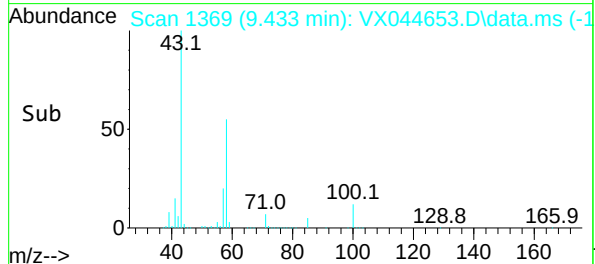
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 148286
Ion Ratio Lower Upper
43 100
58 55.1 27.8 83.3

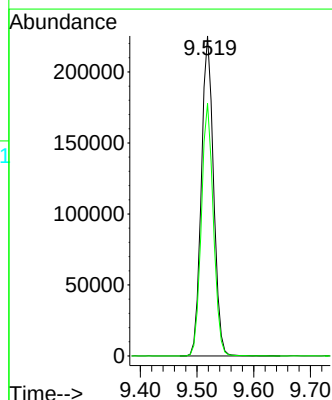
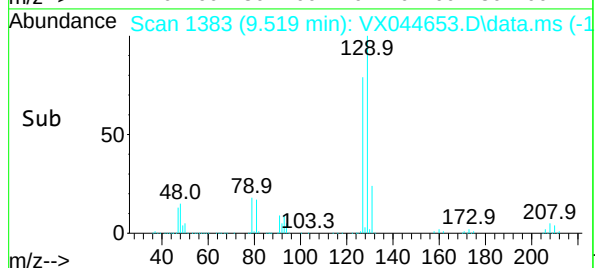
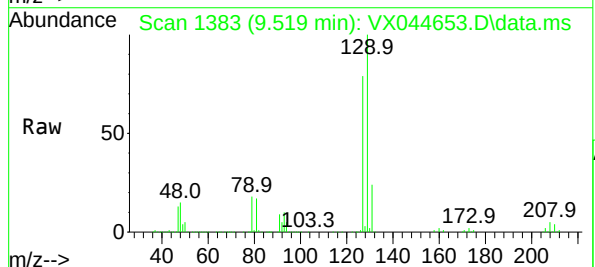
Manual Integrations
APPROVED

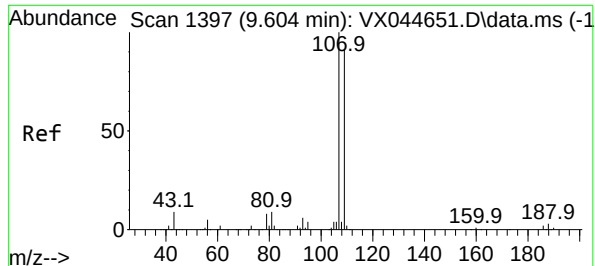
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#60
Dibromochloromethane
Concen: 145.333 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

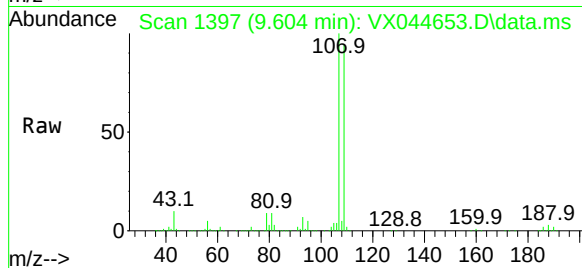
Tgt Ion:129 Resp: 335937
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





#61
1,2-Dibromoethane
Concen: 143.893 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

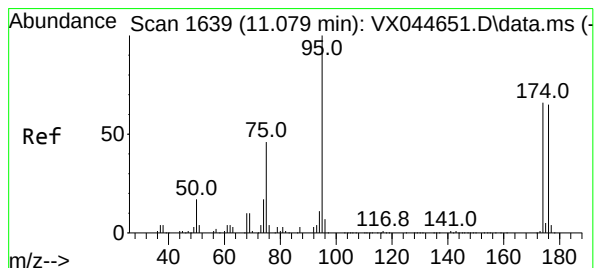
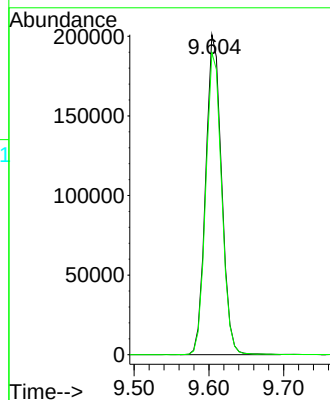
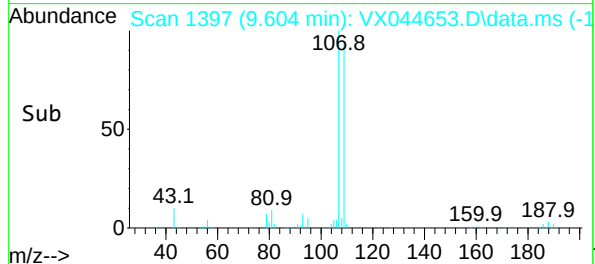
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:107 Resp: 296982
Ion Ratio Lower Upper
107 100
109 94.6 75.3 112.9

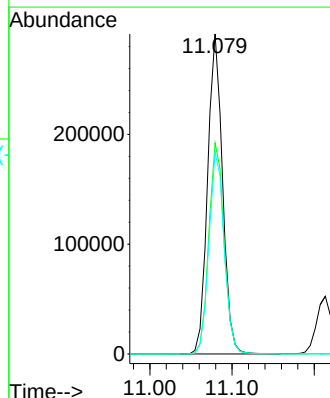
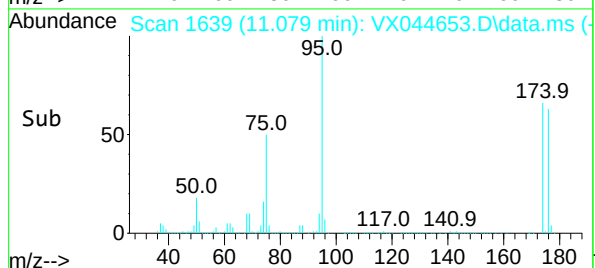
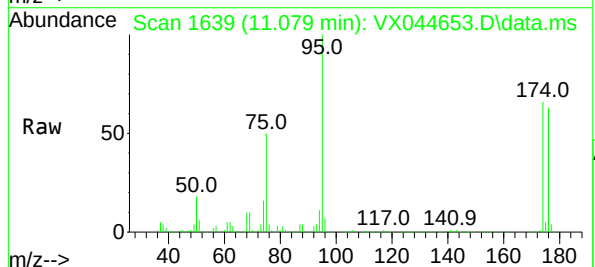
Manual Integrations
APPROVED

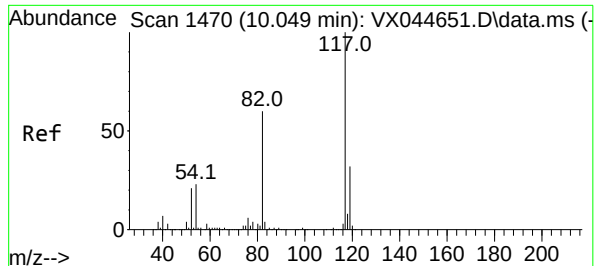
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#62
4-Bromofluorobenzene
Concen: 153.105 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

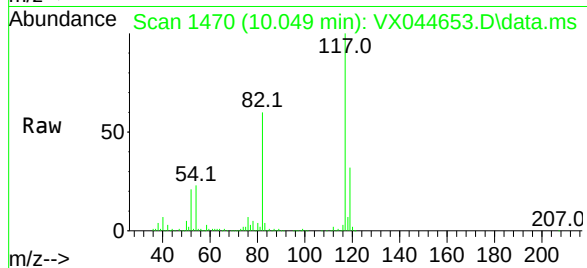
Tgt Ion: 95 Resp: 366922
Ion Ratio Lower Upper
95 100
174 67.5 0.0 133.0
176 64.4 0.0 129.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

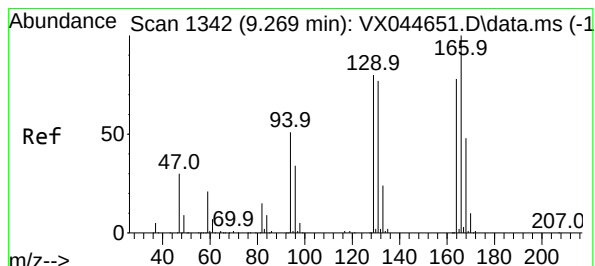
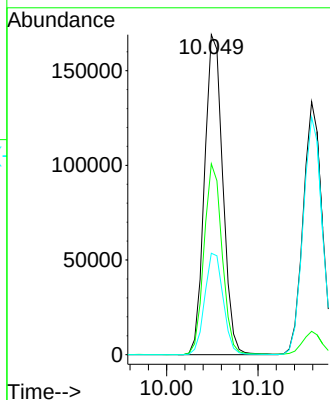
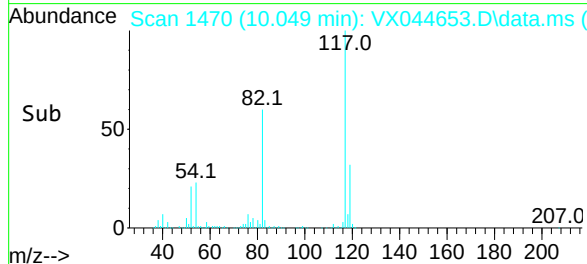
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



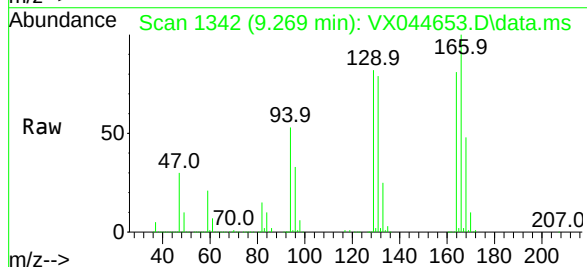
Tgt Ion:117 Resp: 234362
Ion Ratio Lower Upper
117 100
82 59.6 47.6 71.4
119 31.7 25.4 38.2

Manual Integrations
APPROVED

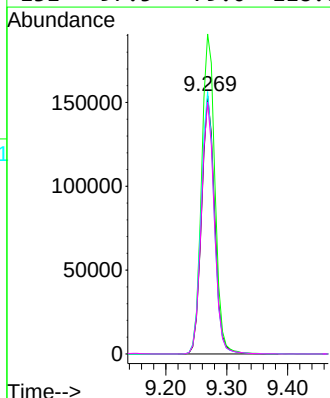
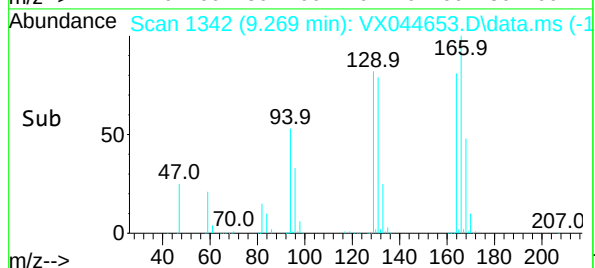
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

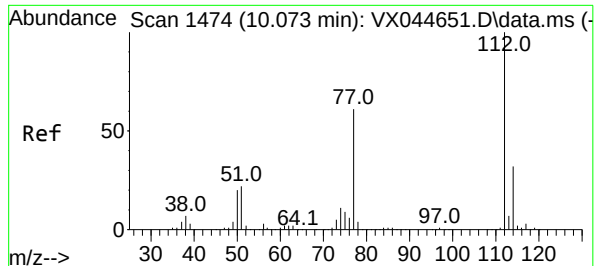


#64
Tetrachloroethene
Concen: 155.612 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37



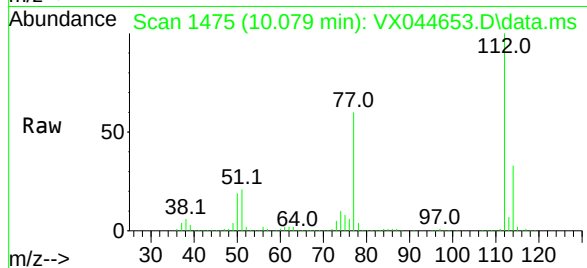
Tgt Ion:164 Resp: 229004
Ion Ratio Lower Upper
164 100
166 124.0 102.0 153.0
129 101.7 81.1 121.7
131 97.5 79.0 118.6





#65
Chlorobenzene
Concen: 150.697 ug/l
RT: 10.079 min Scan# 1474
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

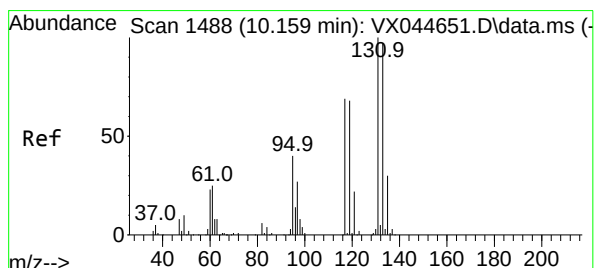
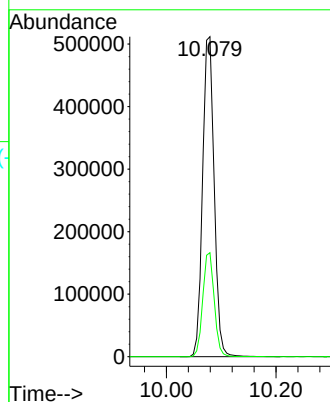
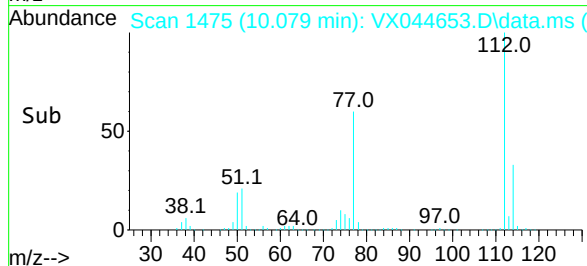
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:112 Resp: 75016
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9

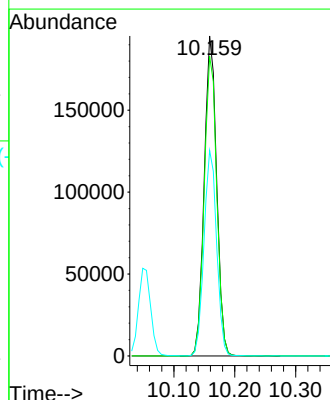
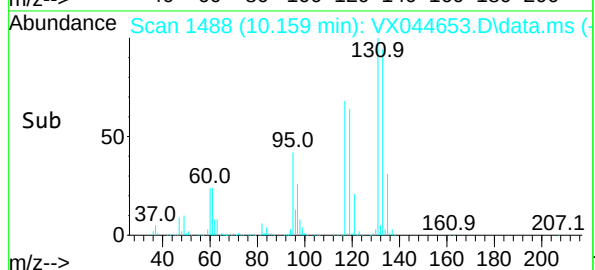
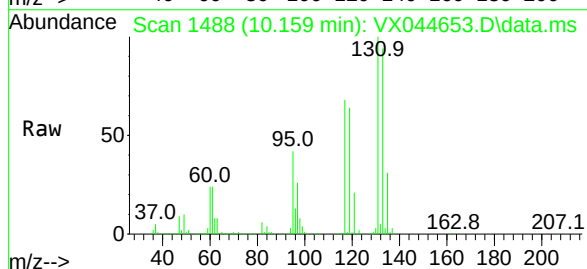
Manual Integrations
APPROVED

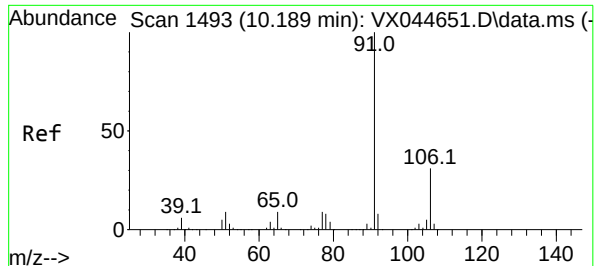
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 153.108 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:131 Resp: 276991
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.3
119 65.5 33.4 100.2





#67

Ethyl Benzene

Concen: 151.424 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 131524

Ion Ratio Lower Upper

91 100

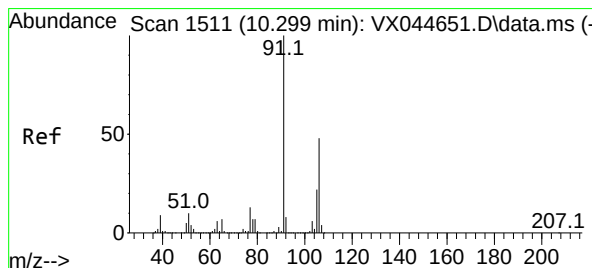
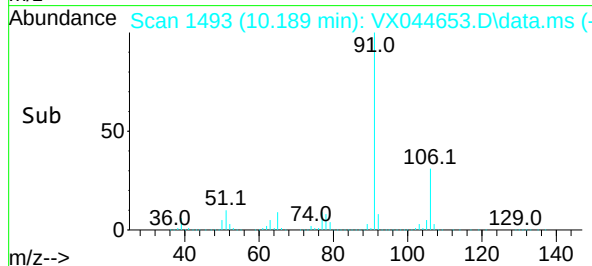
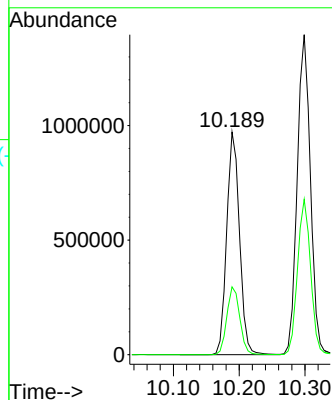
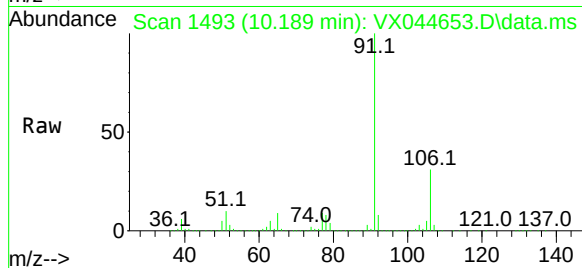
106 30.5 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#68

m/p-Xylenes

Concen: 292.054 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044653.D

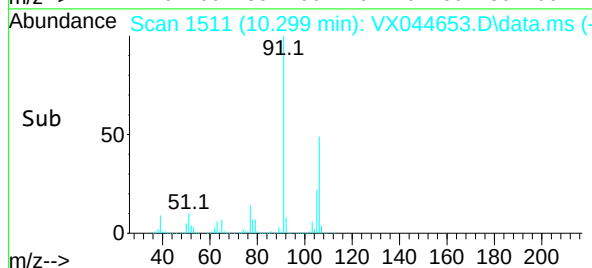
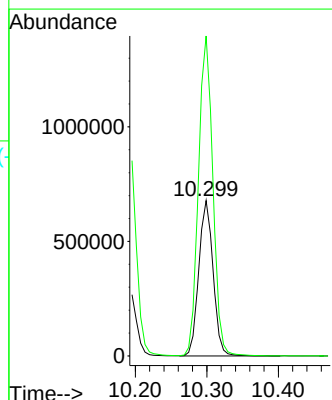
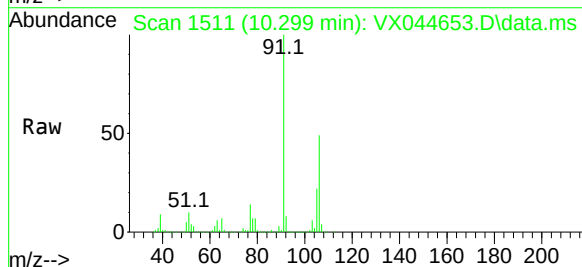
Acq: 15 Jan 2025 13:37

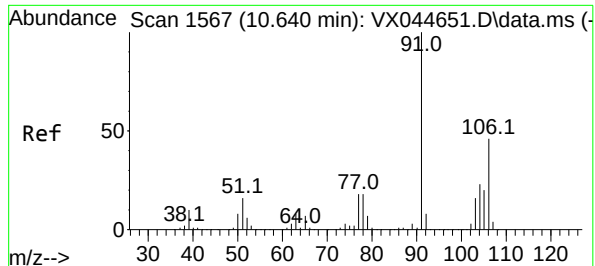
Tgt Ion:106 Resp: 941355

Ion Ratio Lower Upper

106 100

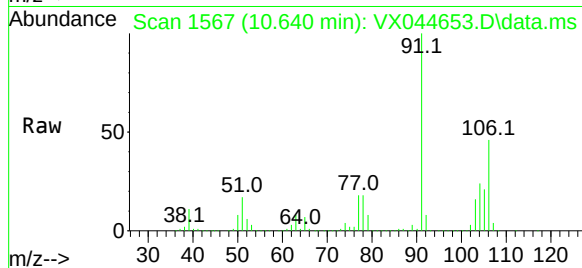
91 207.8 166.4 249.6





#69
o-Xylene
Concen: 145.386 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

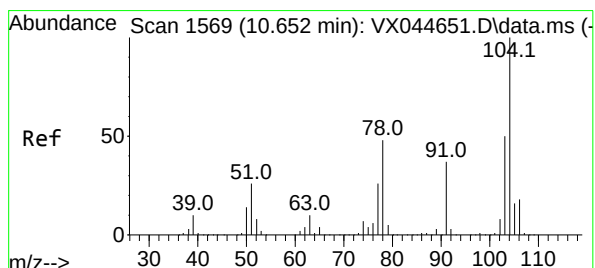
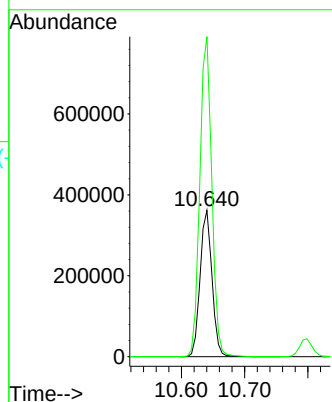
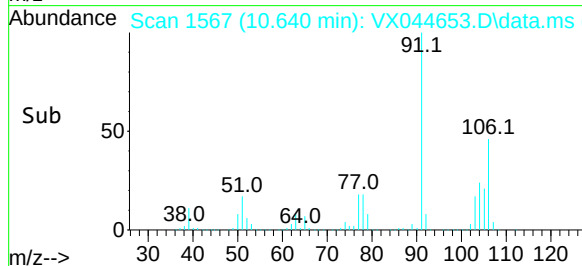
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:106 Resp: 47390
Ion Ratio Lower Upper
106 100
91 219.9 108.7 326.3

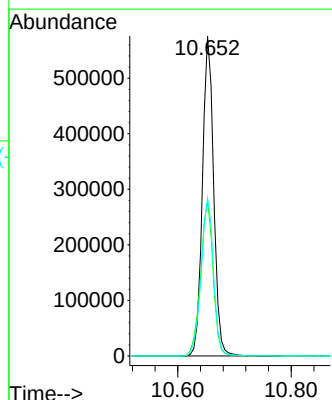
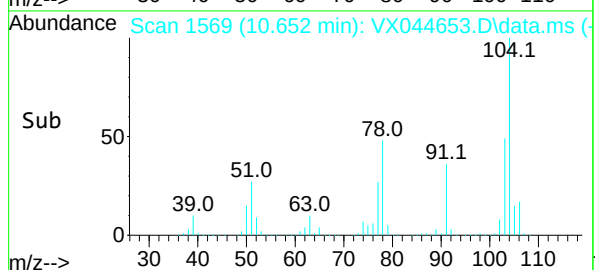
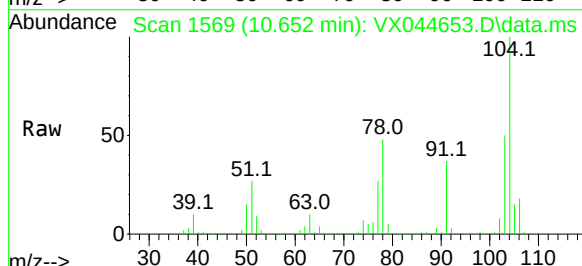
Manual Integrations
APPROVED

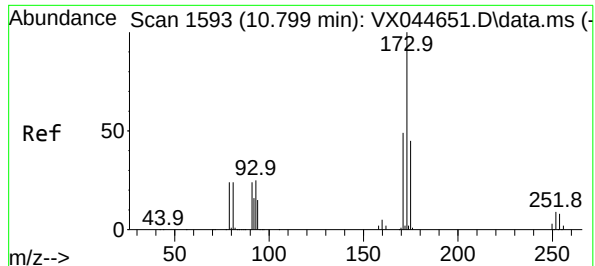
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#70
Styrene
Concen: 150.660 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

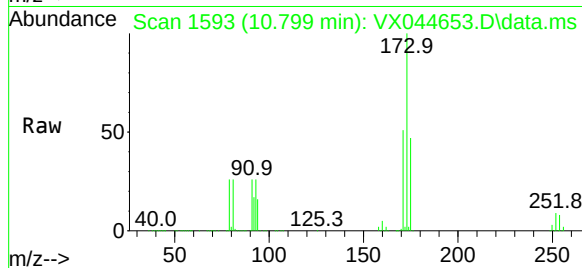
Tgt Ion:104 Resp: 792889
Ion Ratio Lower Upper
104 100
78 54.0 43.0 64.6
103 54.3 43.4 65.2





#71
Bromoform
Concen: 157.877 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

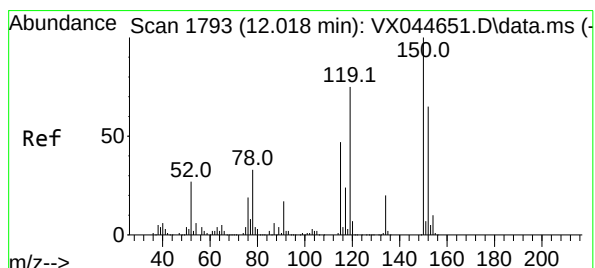
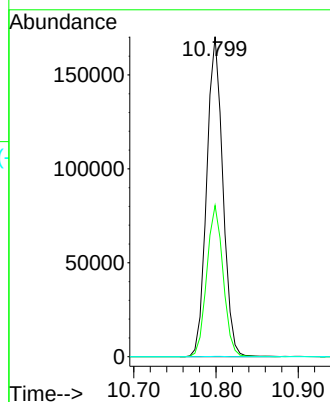
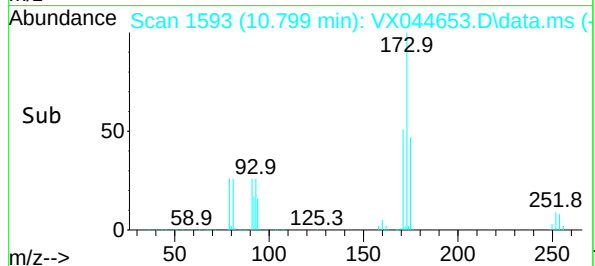
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:173 Resp: 232464
Ion Ratio Lower Upper
173 100
175 47.9 23.6 70.8
254 0.1 0.1 0.1

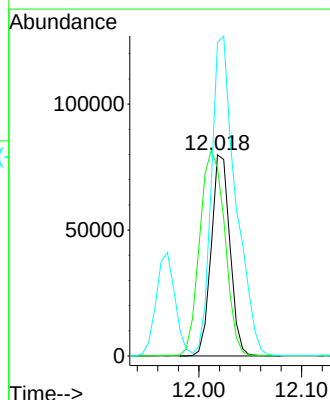
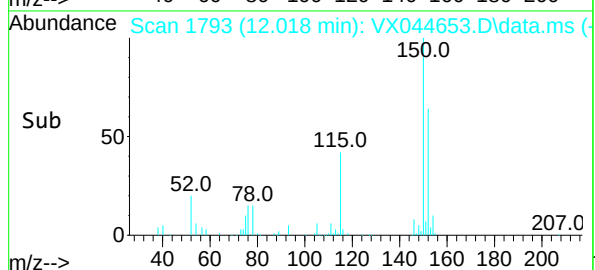
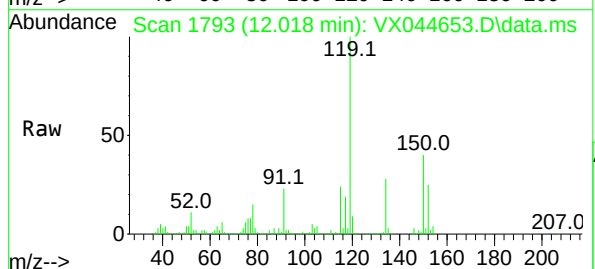
Manual Integrations
APPROVED

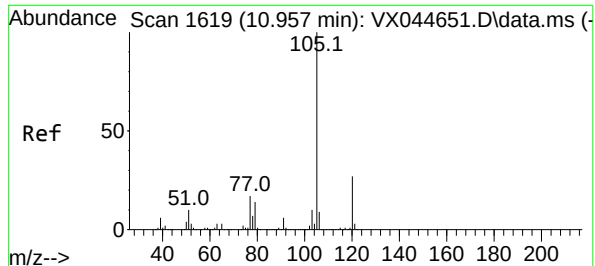
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

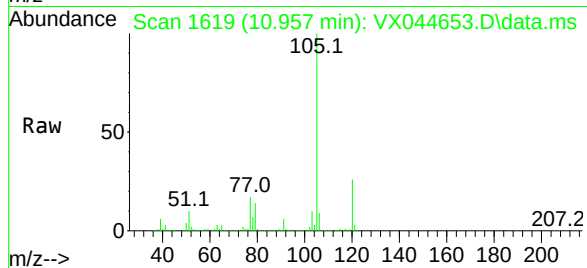
Tgt Ion:152 Resp: 100996
Ion Ratio Lower Upper
152 100
115 137.3 43.8 131.4#
150 206.7 0.0 347.8





#73
Isopropylbenzene
Concen: 146.343 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

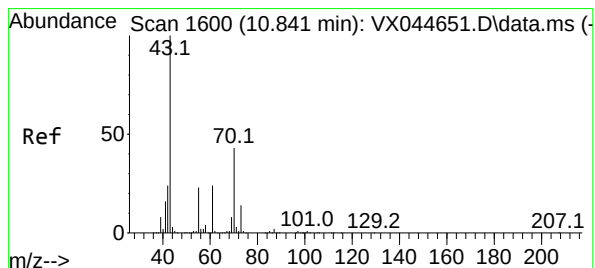
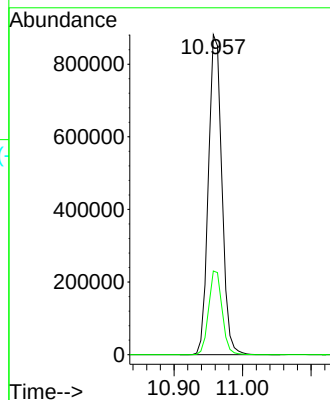
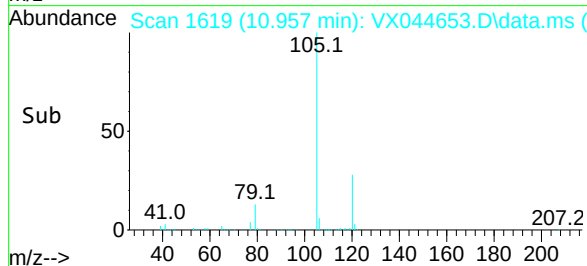
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:105 Resp: 120742
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.6

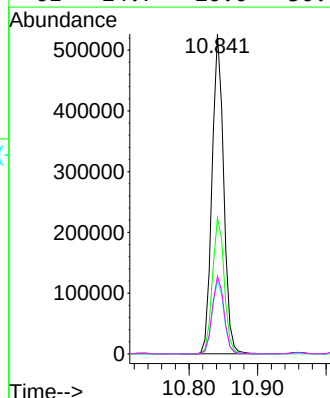
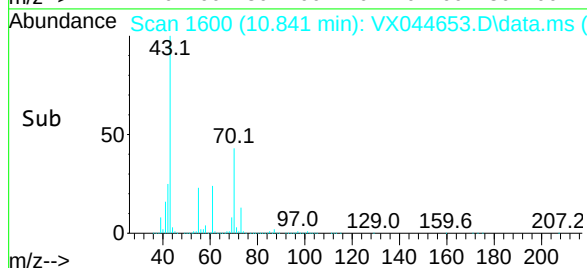
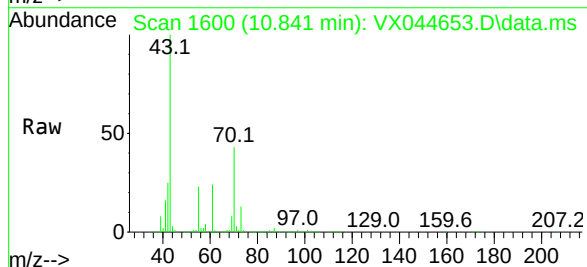
Manual Integrations
APPROVED

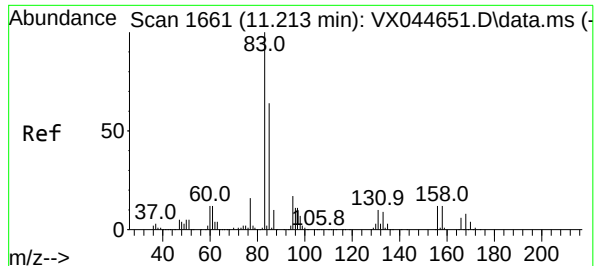
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#74
N-ethyl acetate
Concen: 153.069 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 43 Resp: 622491
Ion Ratio Lower Upper
43 100
70 43.3 35.2 52.8
55 23.3 19.0 28.4
61 24.7 20.0 30.0





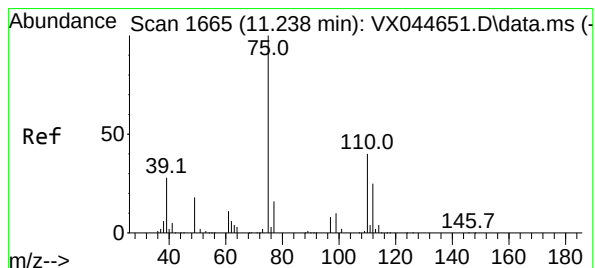
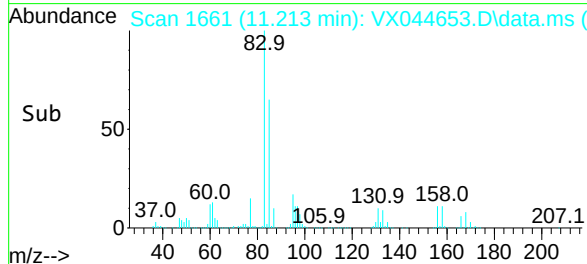
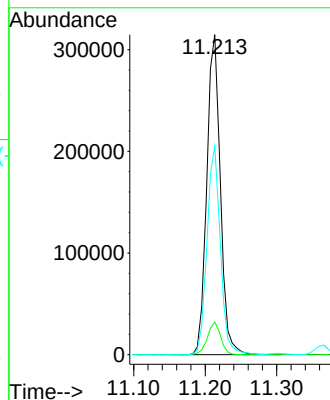
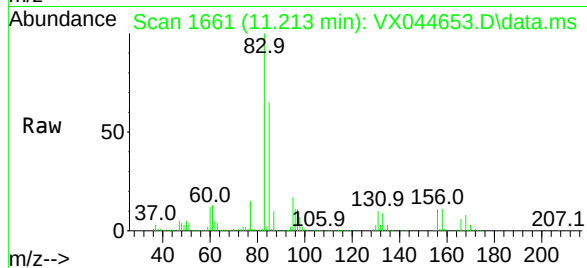
#75
1,1,2,2-Tetrachloroethane
Concen: 145.660 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 415068
Ion Ratio Lower Upper
83 100
131 10.0 5.0 14.9
85 64.5 32.0 96.2

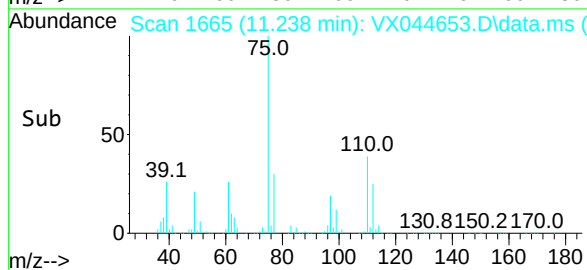
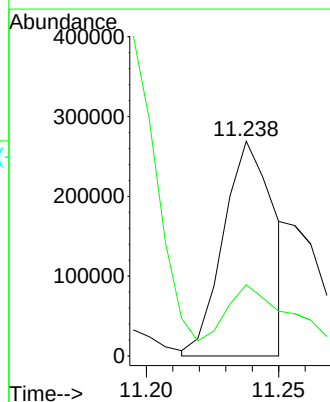
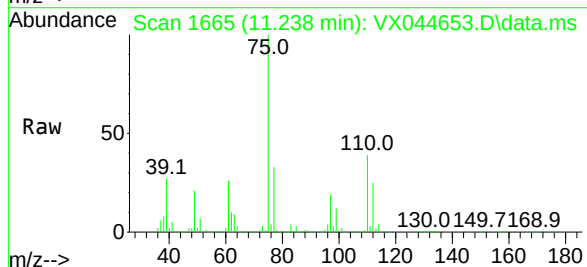
Manual Integrations
APPROVED

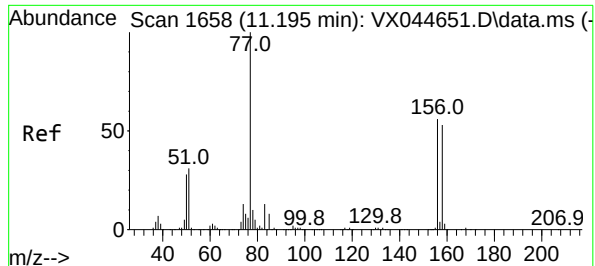
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#76
1,2,3-Trichloropropane
Concen: 149.343 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

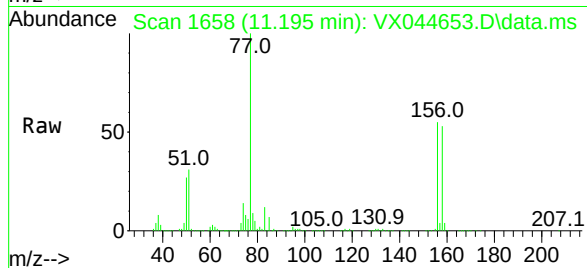
Tgt Ion: 75 Resp: 356222
Ion Ratio Lower Upper
75 100
77 45.8 23.4 70.2





#77
Bromobenzene
Concen: 149.641 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

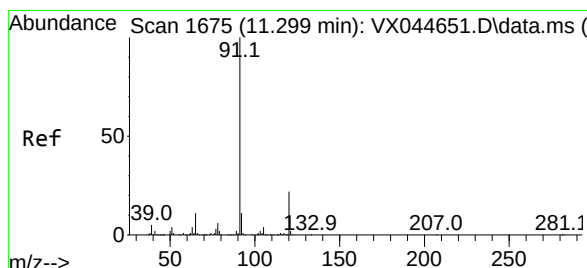
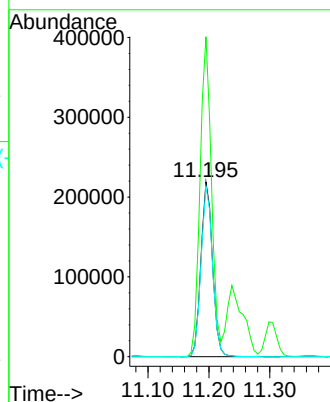
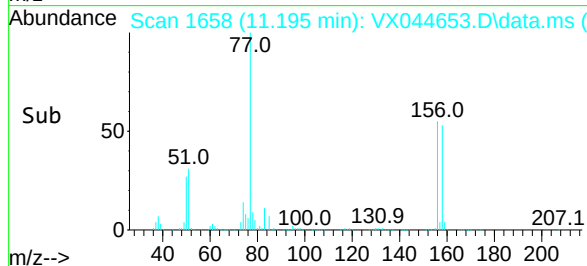
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:156 Resp: 288579
Ion Ratio Lower Upper
156 100
77 180.4 90.3 271.0
158 97.5 48.4 145.3

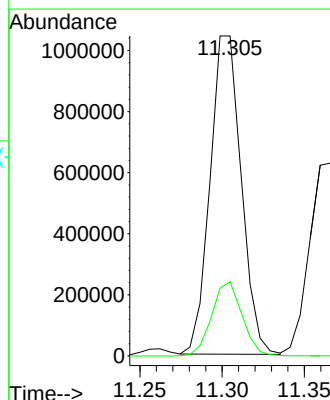
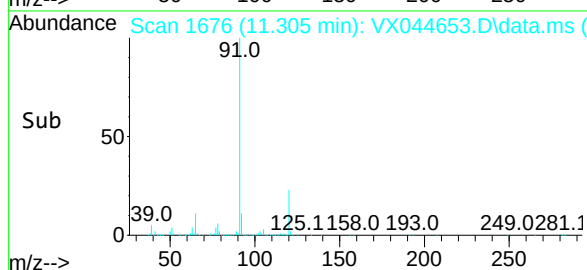
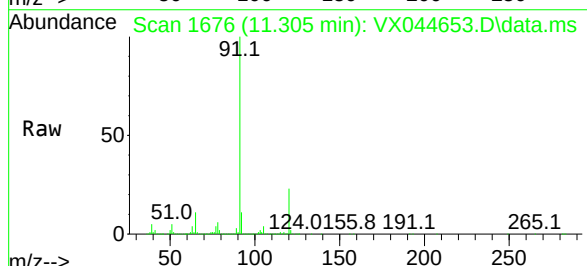
Manual Integrations
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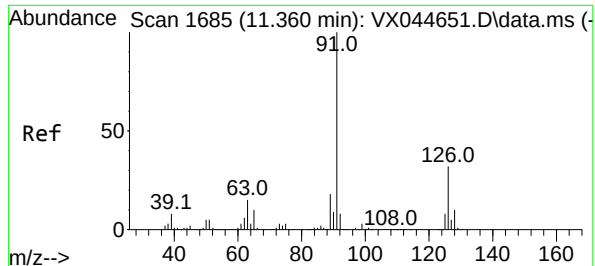
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#78
n-propylbenzene
Concen: 151.223 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 91 Resp: 1375979
Ion Ratio Lower Upper
91 100
120 22.7 11.4 34.1





#79

2-Chlorotoluene

Concen: 145.911 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 85761

Ion Ratio Lower Upper

91 100

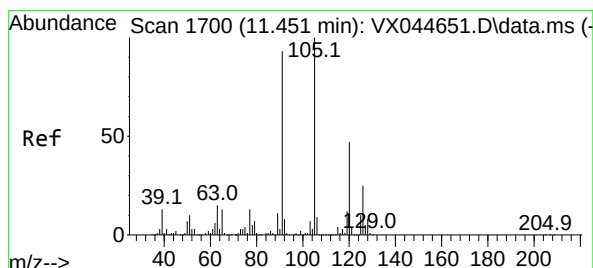
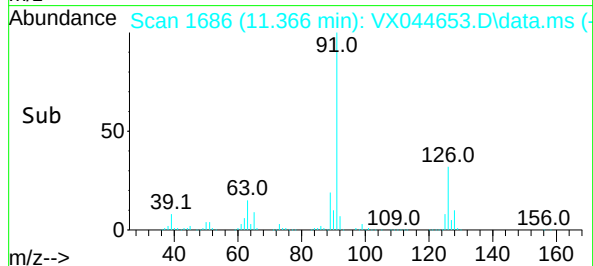
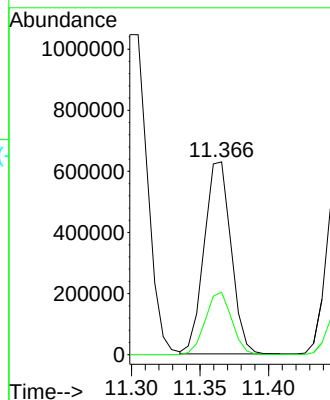
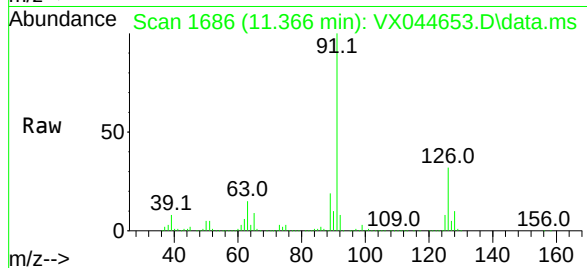
126 32.0 16.2 48.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#80

1,3,5-Trimethylbenzene

Concen: 142.870 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044653.D

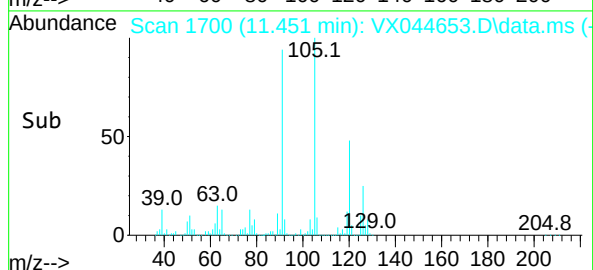
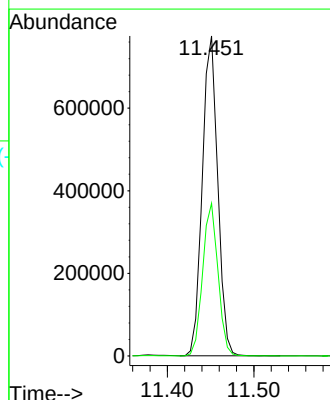
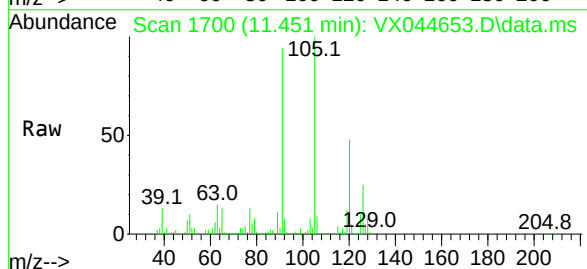
Acq: 15 Jan 2025 13:37

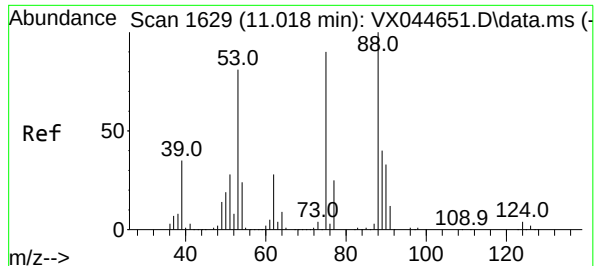
Tgt Ion:105 Resp: 959600

Ion Ratio Lower Upper

105 100

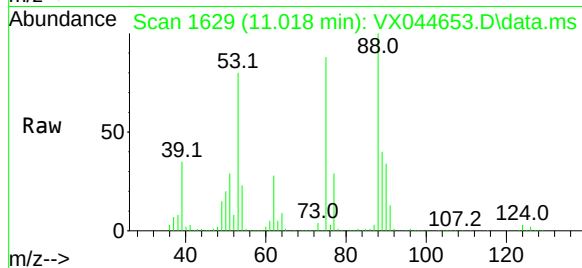
120 47.3 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 160.280 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

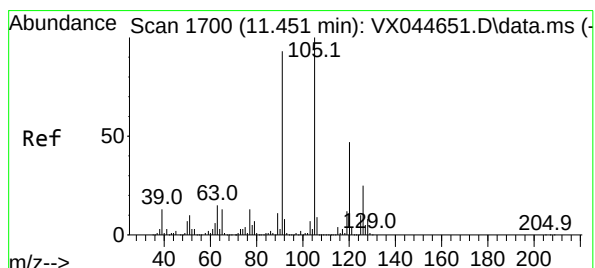
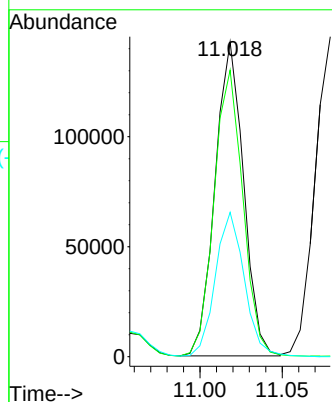
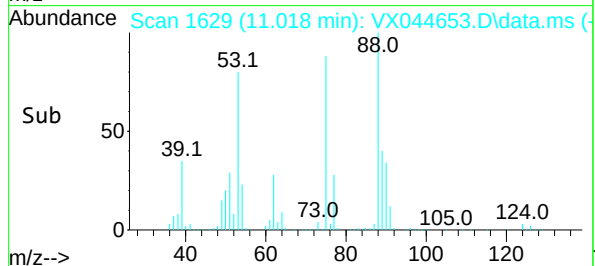
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 75 Resp: 171780
Ion Ratio Lower Upper
75 100
53 92.3 74.3 111.5
89 47.0 37.4 56.0

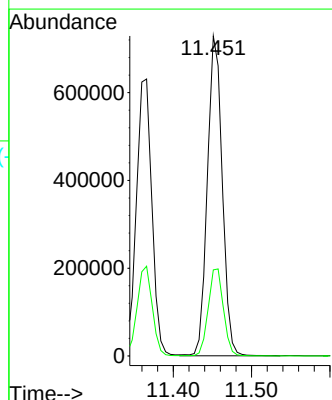
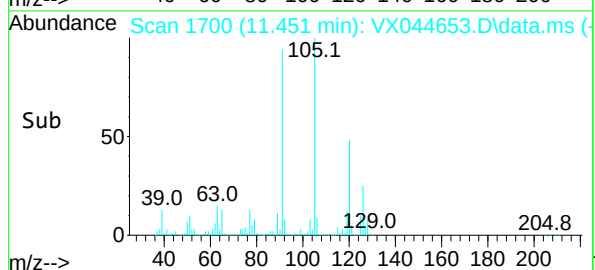
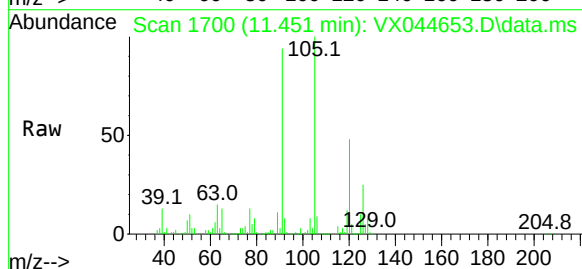
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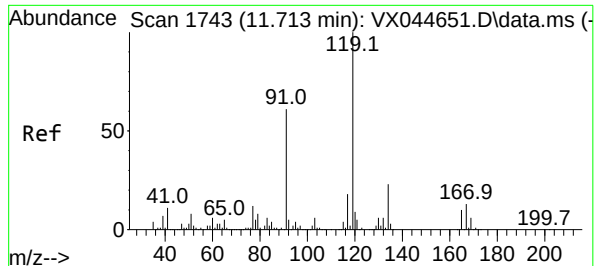
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#82
4-Chlorotoluene
Concen: 148.761 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

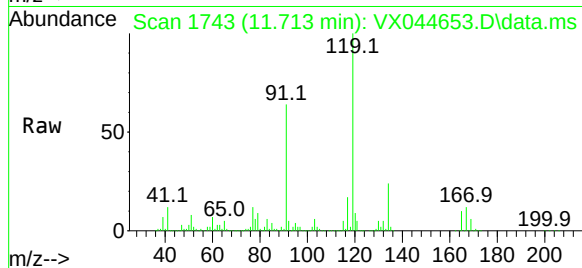
Tgt Ion: 91 Resp: 957835
Ion Ratio Lower Upper
91 100
126 27.8 13.9 41.7





#83
tert-Butylbenzene
Concen: 142.356 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

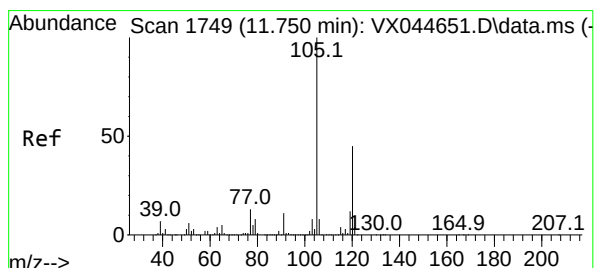
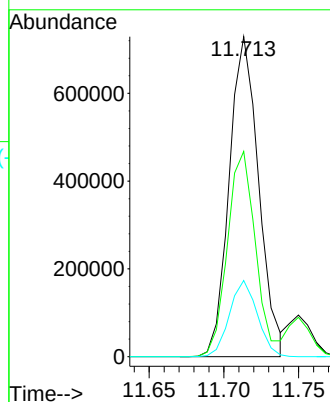
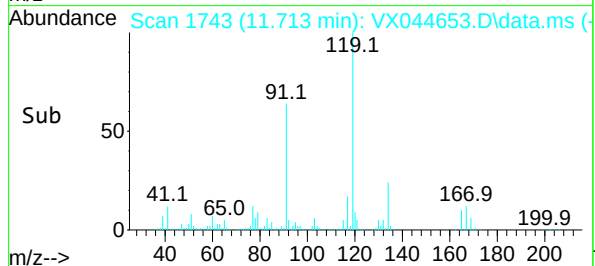
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



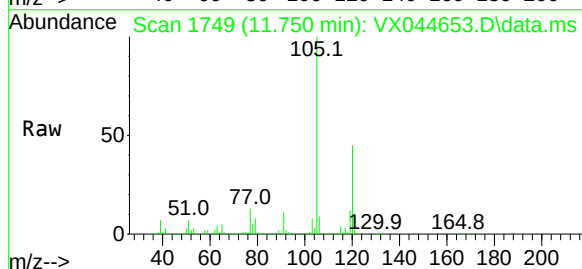
Tgt Ion:119 Resp: 999760
Ion Ratio Lower Upper
119 100
91 61.4 30.0 90.0
134 22.5 11.2 33.5

Manual Integrations
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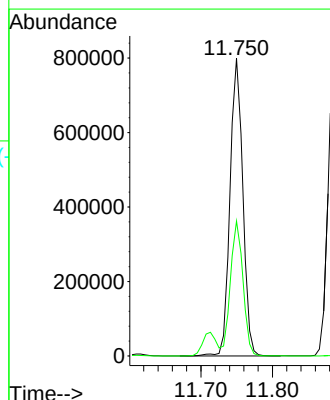
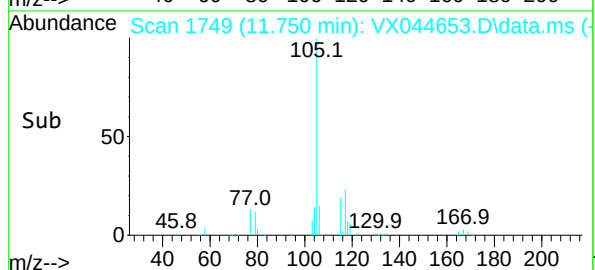
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

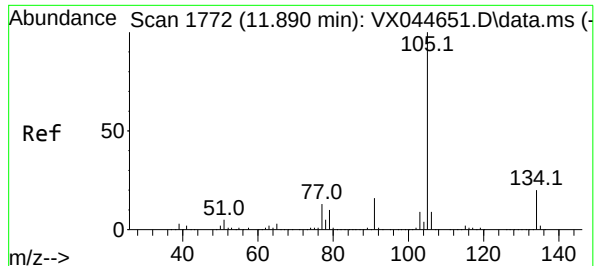


#84
1,2,4-Trimethylbenzene
Concen: 145.281 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37



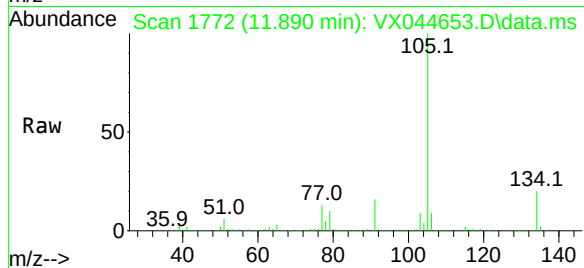
Tgt Ion:105 Resp: 991595
Ion Ratio Lower Upper
105 100
120 44.6 22.2 66.6





#85
sec-Butylbenzene
Concen: 148.543 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

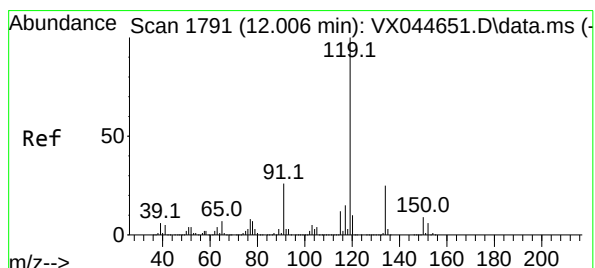
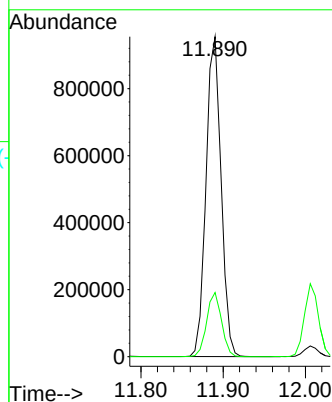
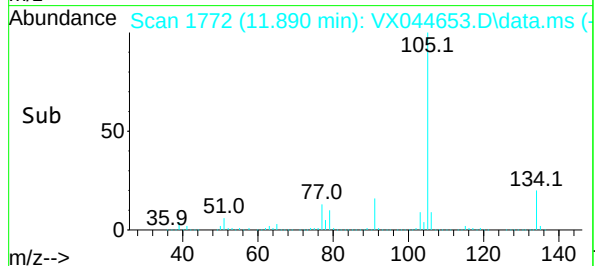
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:105 Resp: 1214662
Ion Ratio Lower Upper
105 100
134 19.9 9.8 29.5

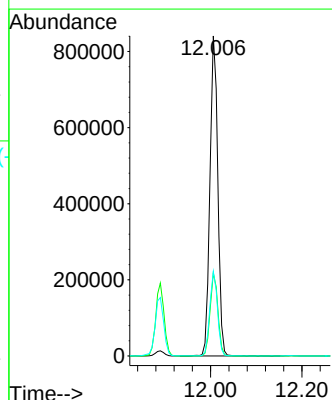
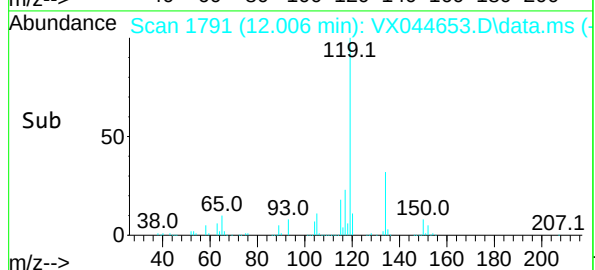
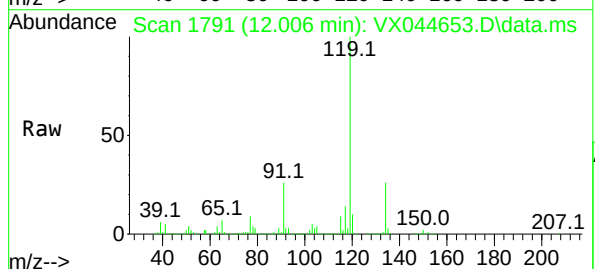
Manual Integrations
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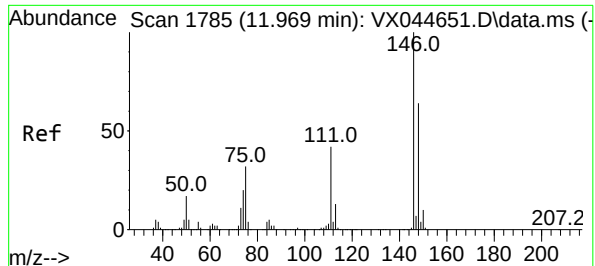
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#86
p-Isopropyltoluene
Concen: 148.902 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:119 Resp: 1000632
Ion Ratio Lower Upper
119 100
134 25.8 12.8 38.4
91 25.9 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 155.816 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 52111

Ion Ratio Lower Upper

146 100

111 43.7 21.9 65.7

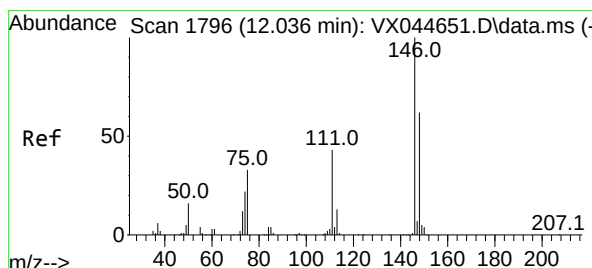
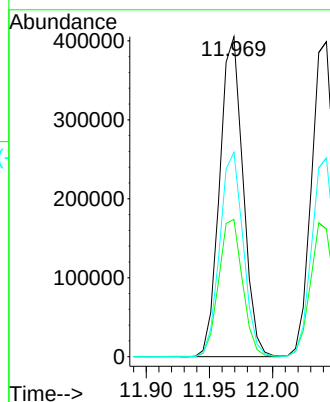
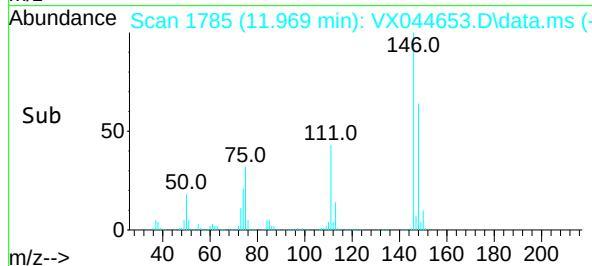
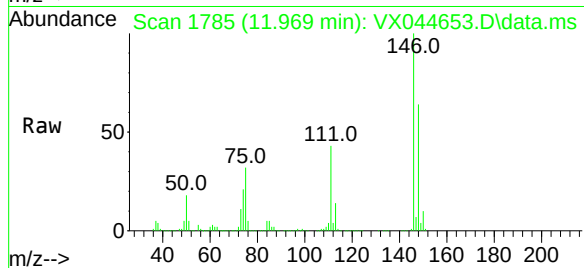
148 64.0 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#88

1,4-Dichlorobenzene

Concen: 155.532 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

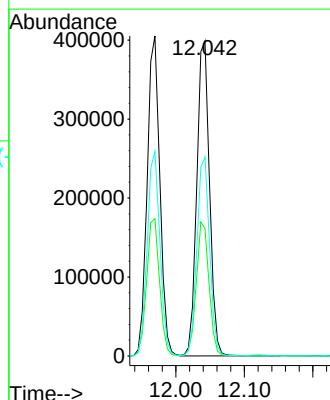
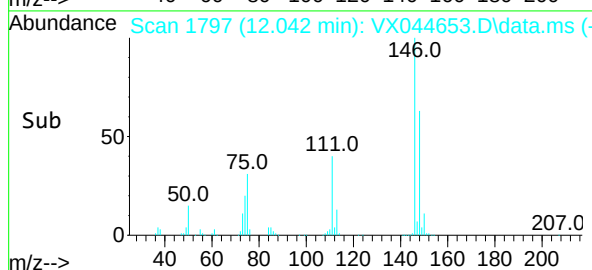
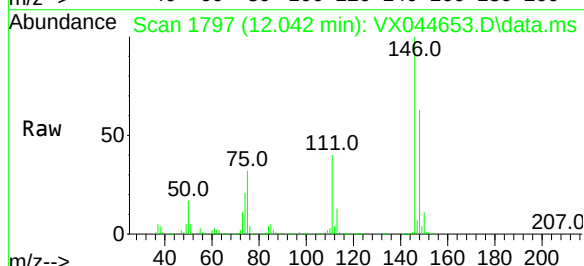
Tgt Ion:146 Resp: 516467

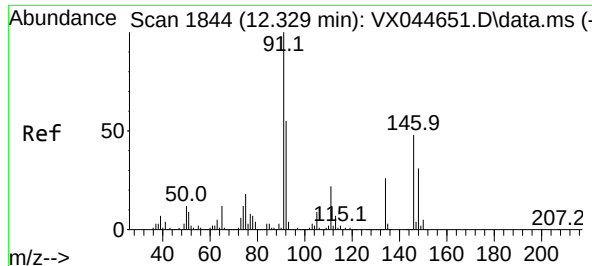
Ion Ratio Lower Upper

146 100

111 42.2 21.5 64.5

148 63.1 32.1 96.5





#89

n-Butylbenzene

Concen: 156.724 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 904589

Ion Ratio Lower Upper

91 100

92 55.2 27.4 82.0

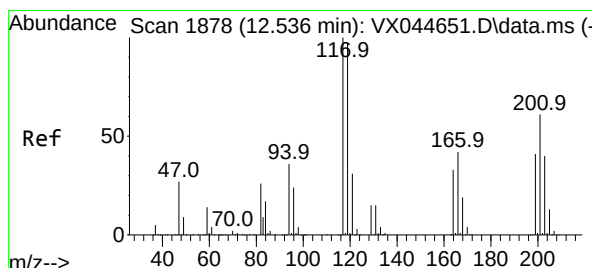
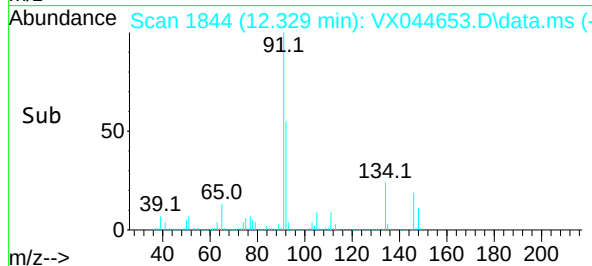
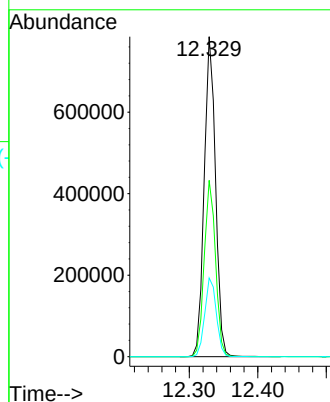
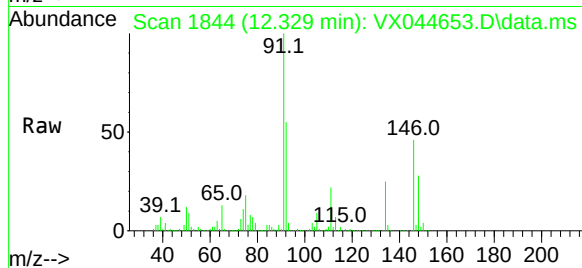
134 25.3 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/15/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#90

Hexachloroethane

Concen: 146.455 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044653.D

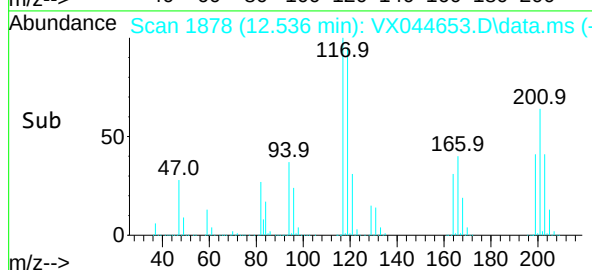
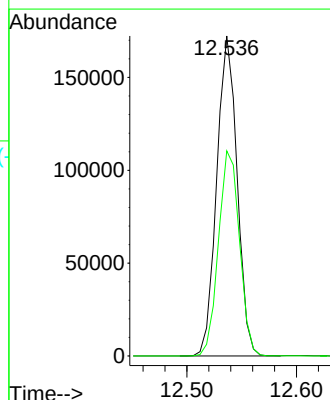
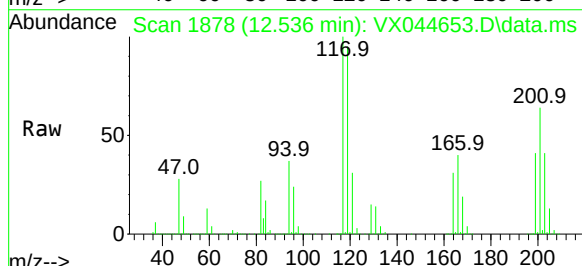
Acq: 15 Jan 2025 13:37

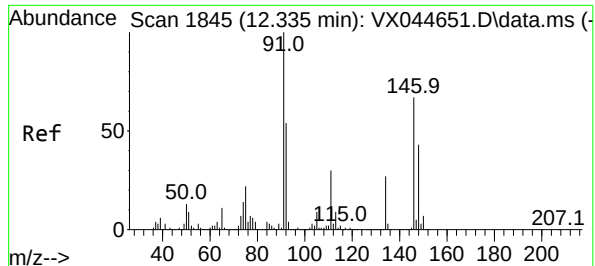
Tgt Ion:117 Resp: 222866

Ion Ratio Lower Upper

117 100

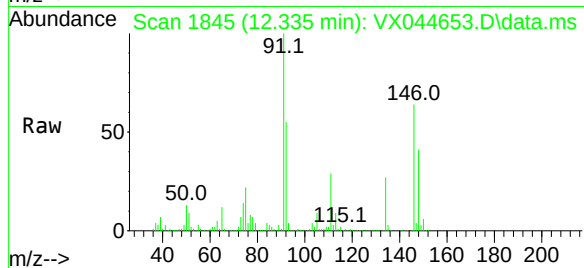
201 66.1 32.3 96.8





#91
1,2-Dichlorobenzene
Concen: 148.860 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

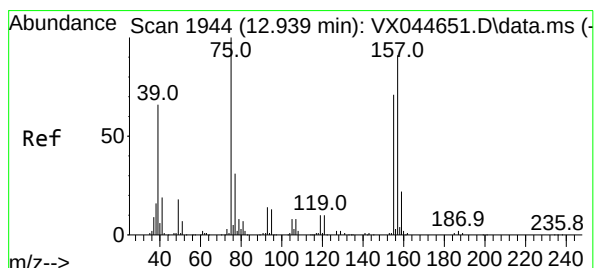
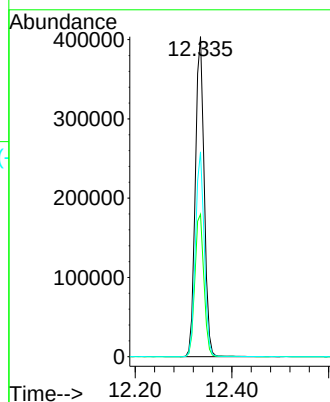
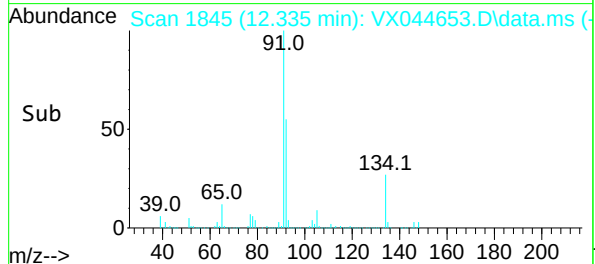
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



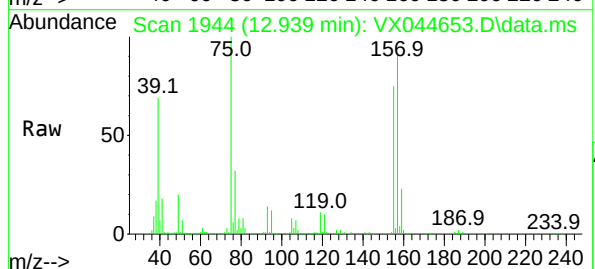
Tgt Ion:146 Resp: 511280
Ion Ratio Lower Upper
146 100
111 45.3 22.4 67.2
148 63.5 31.6 94.8

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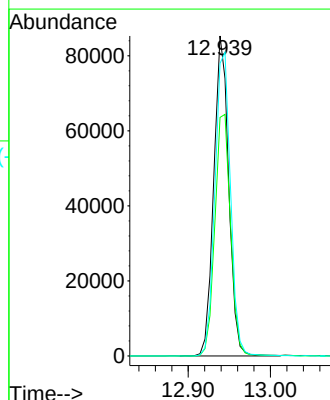
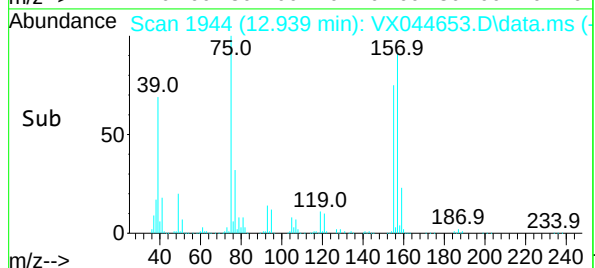
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

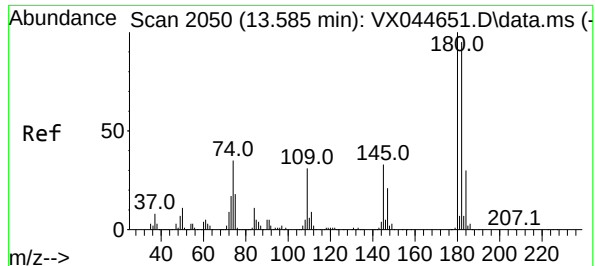


#92
1,2-Dibromo-3-Chloropropane
Concen: 154.709 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37



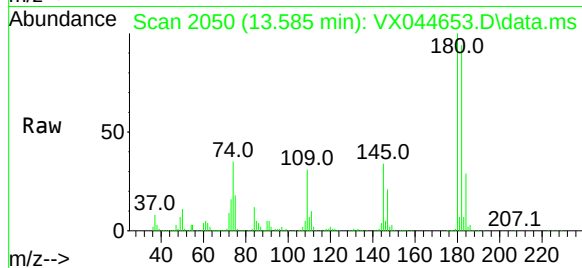
Tgt Ion: 75 Resp: 107815
Ion Ratio Lower Upper
75 100
155 79.1 39.0 116.9
157 98.6 49.9 149.7





#93
1,2,4-Trichlorobenzene
Concen: 171.582 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

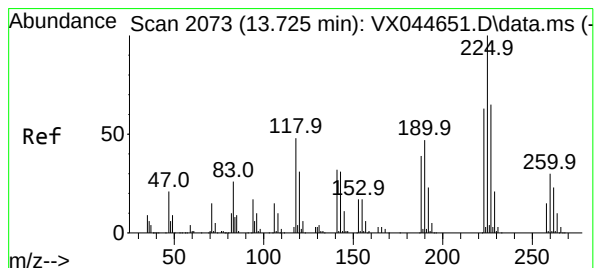
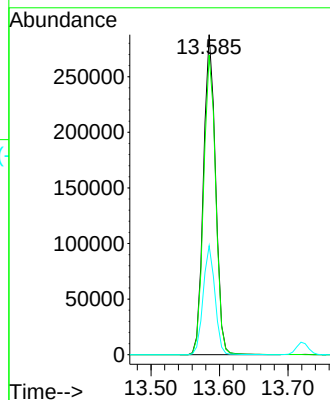
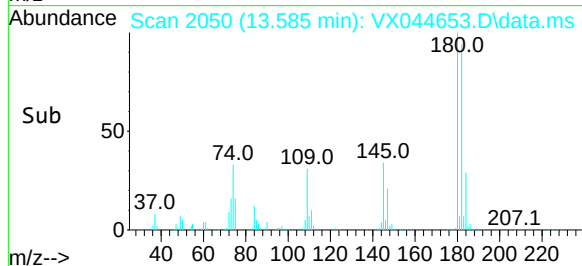
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:180 Resp: 352298
Ion Ratio Lower Upper
180 100
182 93.9 47.4 142.2
145 33.4 16.7 50.1

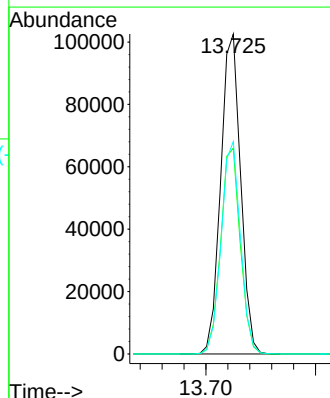
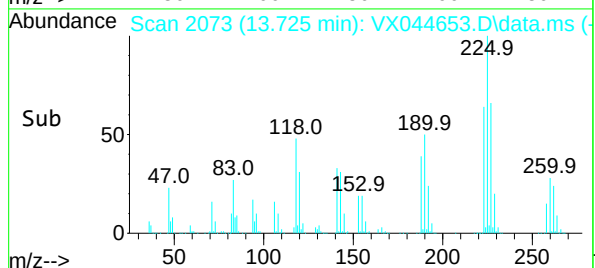
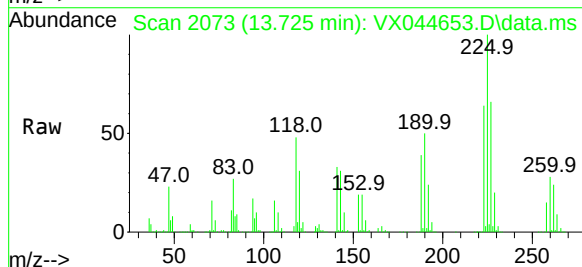
Manual Integrations
APPROVED

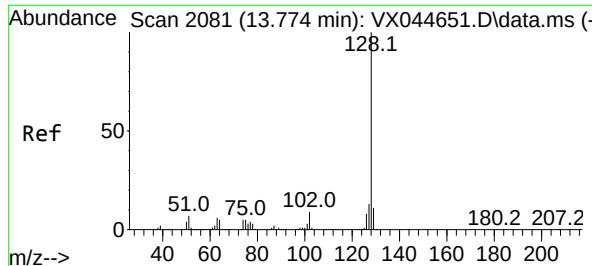
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#94
Hexachlorobutadiene
Concen: 160.216 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

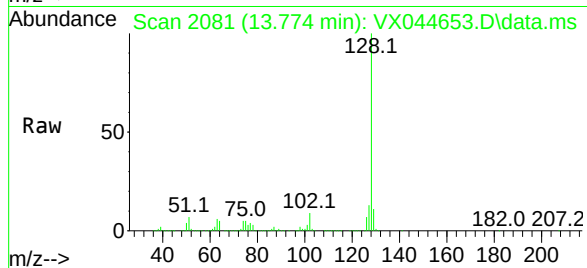
Tgt Ion:225 Resp: 129218
Ion Ratio Lower Upper
225 100
223 63.5 31.9 95.7
227 64.4 31.8 95.4





#95
Naphthalene
Concen: 162.361 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

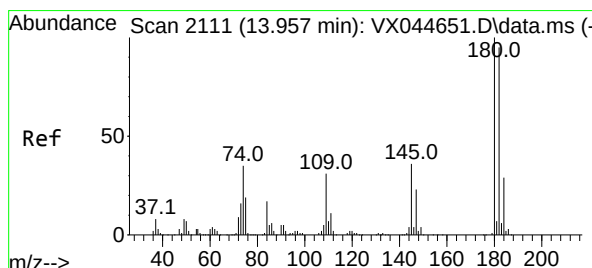
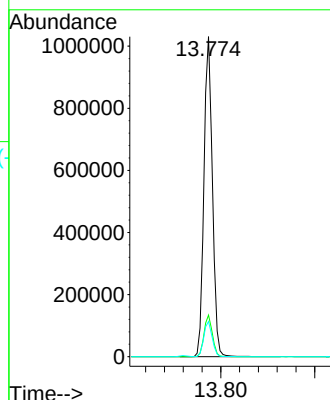
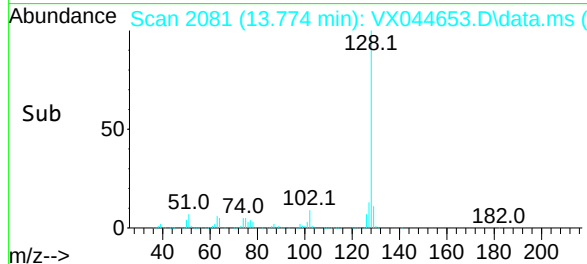
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:128 Resp: 1285749
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.9 8.7 13.1

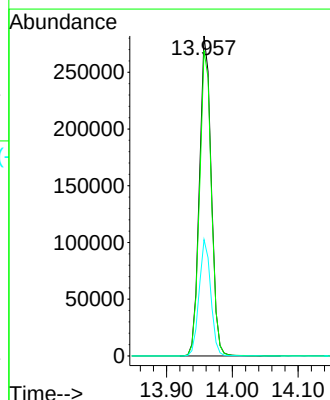
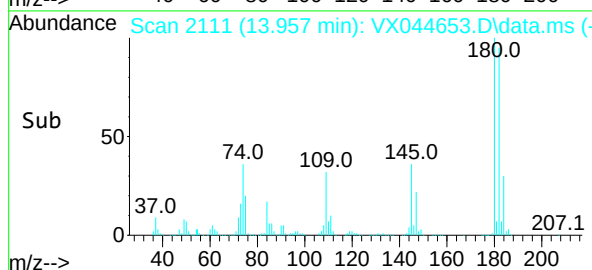
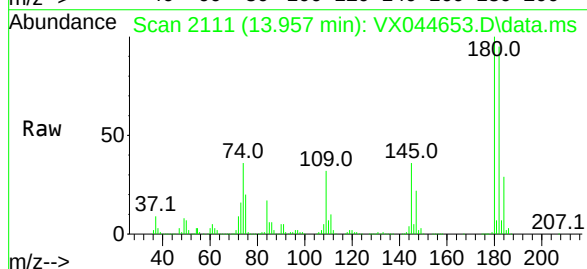
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 164.515 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:180 Resp: 350134
Ion Ratio Lower Upper
180 100
182 95.6 47.2 141.6
145 35.9 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044655.D
 Acq On : 15 Jan 2025 15:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011525

Quant Time: Jan 16 01:21:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
 Supervised By :Semsettin Yesilyurt 01/16/2025

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	179405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	323521	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	266872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	115489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	141798	52.363	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.720%			
35) Dibromofluoromethane	5.373	113	110333	53.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.360%			
50) Toluene-d8	8.641	98	380624	53.113	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.220%			
62) 4-Bromofluorobenzene	11.079	95	140770	52.693	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.380%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	136518	56.549	ug/l	99
3) Chloromethane	1.300	50	124691	47.763	ug/l	99
4) Vinyl Chloride	1.374	62	128558	49.839	ug/l	98
5) Bromomethane	1.593	94	30815	50.031	ug/l	98
6) Chloroethane	1.660	64	23473	49.624	ug/l	98
7) Trichlorofluoromethane	1.861	101	147644	51.789	ug/l	98
8) Diethyl Ether	2.130	74	54624	47.479	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	112018	52.271	ug/l	100
10) Methyl Iodide	2.441	142	150245	51.350	ug/l	99
11) Tert butyl alcohol	2.983	59	150021m	248.503	ug/l	
12) 1,1-Dichloroethene	2.306	96	107643	51.243	ug/l	97
13) Acrolein	2.233	56	65602	230.919	ug/l	98
14) Allyl chloride	2.654	41	197270	48.232	ug/l	100
15) Acrylonitrile	3.062	53	307790	259.942	ug/l	99
16) Acetone	2.386	43	285777	266.735	ug/l	100
17) Carbon Disulfide	2.495	76	291339	50.827	ug/l	100
18) Methyl Acetate	2.703	43	177037	53.560	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	383394	50.389	ug/l	99
20) Methylene Chloride	2.782	84	119950	48.076	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	107127	48.846	ug/l	97
22) Diisopropyl ether	3.757	45	360169	50.659	ug/l	93
23) Vinyl Acetate	3.715	43	1583340	254.442	ug/l	99
24) 1,1-Dichloroethane	3.599	63	211436	50.150	ug/l	99
25) 2-Butanone	4.550	43	423083	265.596	ug/l	99
26) 2,2-Dichloropropane	4.458	77	198981	48.697	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	134711	48.831	ug/l	100
28) Bromochloromethane	4.885	49	97608	49.545	ug/l	99
29) Tetrahydrofuran	4.995	42	263635	256.578	ug/l	99
30) Chloroform	5.080	83	214034	50.304	ug/l	99
31) Cyclohexane	5.452	56	180309	52.878	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	191114	48.859	ug/l	99
36) 1,1-Dichloropropene	5.678	75	143891	50.294	ug/l	99
37) Ethyl Acetate	4.702	43	166128	54.526	ug/l	99
38) Carbon Tetrachloride	5.659	117	161829	50.287	ug/l	100
39) Methylcyclohexane	7.366	83	199470	52.520	ug/l	98
40) Benzene	6.025	78	448684	50.610	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044655.D
 Acq On : 15 Jan 2025 15:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX011525

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
 Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:21:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	91151	51.342	ug/l	100
42) 1,2-Dichloroethane	6.074	62	164707	50.902	ug/l	100
43) Isopropyl Acetate	6.330	43	285121	50.871	ug/l	100
44) Trichloroethene	7.116	130	110588	51.887	ug/l	99
45) 1,2-Dichloropropane	7.421	63	113836	51.011	ug/l	97
46) Dibromomethane	7.574	93	84838	49.939	ug/l	100
47) Bromodichloromethane	7.811	83	174297	50.029	ug/l	99
48) Methyl methacrylate	7.683	41	137603	52.890	ug/l	99
49) 1,4-Dioxane	7.665	88	53851	992.095	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	779855	251.778	ug/l	100
52) Toluene	8.714	92	271071	49.955	ug/l	98
53) t-1,3-Dichloropropene	8.970	75	184653	51.300	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	199240	51.049	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	109957	50.085	ug/l	99
56) Ethyl methacrylate	9.110	69	190986	50.595	ug/l	99
57) 1,3-Dichloropropane	9.305	76	187407	50.129	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.232	63	466737	251.852	ug/l	100
59) 2-Hexanone	9.427	43	576549	253.010	ug/l	100
60) Dibromochloromethane	9.518	129	128727	49.957	ug/l	100
61) 1,2-Dibromoethane	9.604	107	114330	49.693	ug/l	100
64) Tetrachloroethene	9.269	164	89460	53.384	ug/l	97
65) Chlorobenzene	10.073	112	287202	50.667	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	105329	51.129	ug/l	99
67) Ethyl Benzene	10.189	91	511560	51.721	ug/l	98
68) m/p-Xylenes	10.299	106	376743	102.645	ug/l	100
69) o-Xylene	10.640	106	186995	50.378	ug/l	99
70) Styrene	10.652	104	308018	51.398	ug/l	100
71) Bromoform	10.799	173	86512	51.597	ug/l #	99
73) Isopropylbenzene	10.957	105	474051	50.246	ug/l	100
74) N-amyl acetate	10.841	43	233338	50.177	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	159673	49.002	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	140149m	50.004	ug/l	
77) Bromobenzene	11.195	156	109171	49.506	ug/l	99
78) n-propylbenzene	11.299	91	538048	51.712	ug/l	100
79) 2-Chlorotoluene	11.360	91	333891	49.678	ug/l	100
80) 1,3,5-Trimethylbenzene	11.445	105	382880	49.852	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	63708	51.981	ug/l	100
82) 4-Chlorotoluene	11.451	91	373655	50.750	ug/l	100
83) tert-Butylbenzene	11.713	119	397191	49.459	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	388010	49.714	ug/l	100
85) sec-Butylbenzene	11.890	105	477595	51.076	ug/l	100
86) p-Isopropyltoluene	12.006	119	392123	51.028	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	196862	51.476	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	193343	50.011	ug/l	99
89) n-Butylbenzene	12.329	91	350704	53.136	ug/l	99
90) Hexachloroethane	12.536	117	84427	48.518	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	194138	49.430	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39583	49.672	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	125286	53.362	ug/l	99
94) Hexachlorobutadiene	13.725	225	48702	52.807	ug/l	99
95) Naphthalene	13.774	128	479024	52.899	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	128038	52.611	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

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

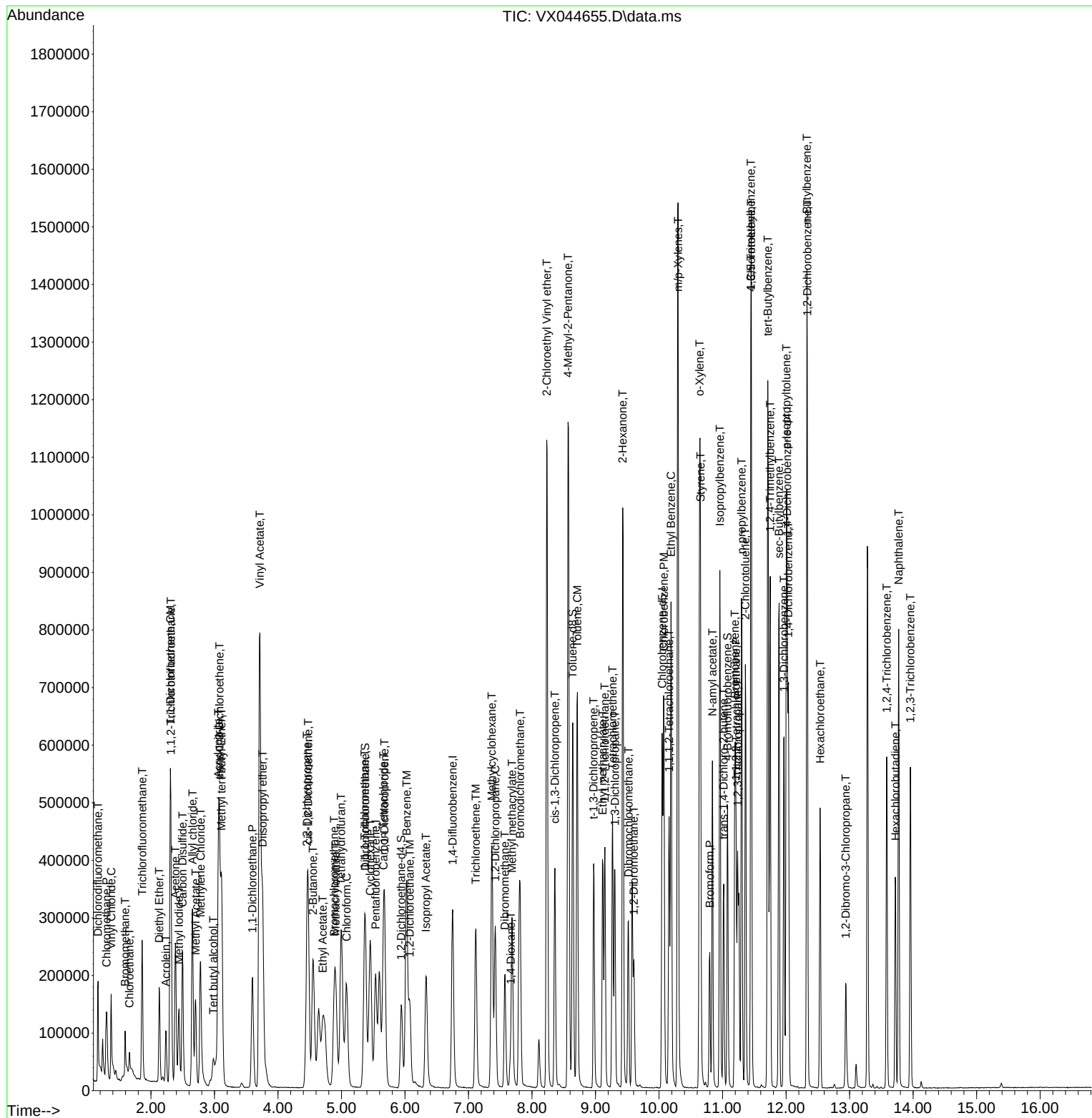
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044655.D
 Acq On : 15 Jan 2025 15:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

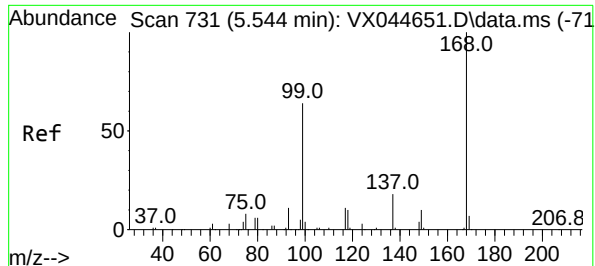
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
 Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:21:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration





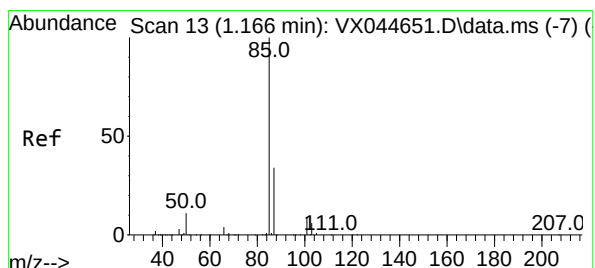
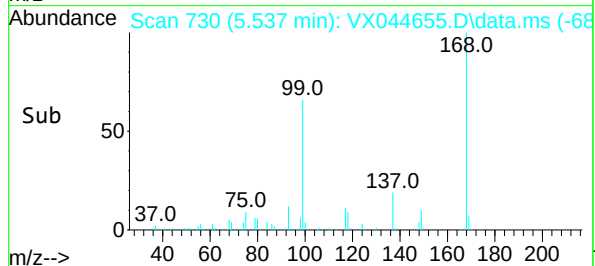
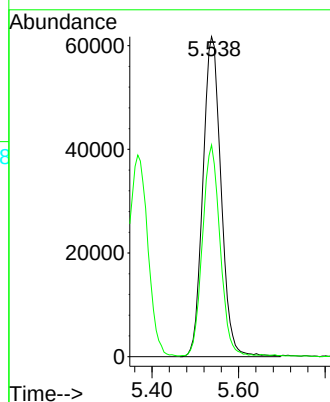
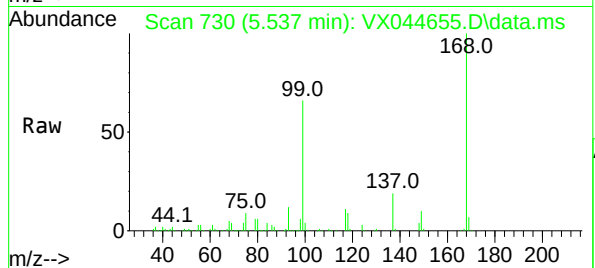
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVX011525

Tgt Ion:168 Resp: 17940
Ion Ratio Lower Upper
168 100
99 65.9 51.1 76.7

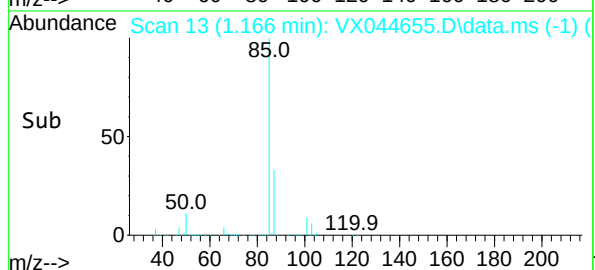
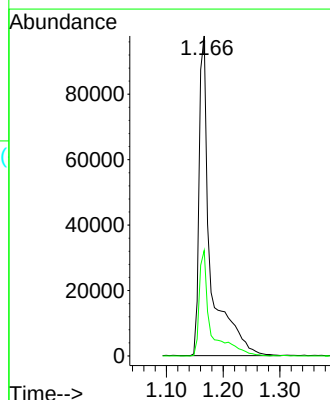
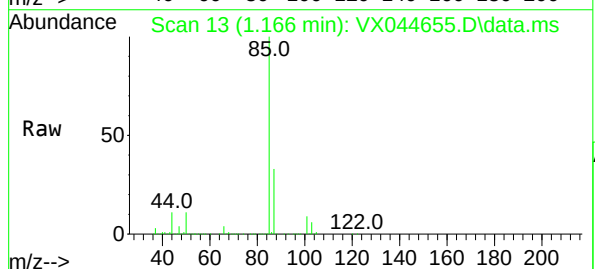
Manual Integrations
APPROVED

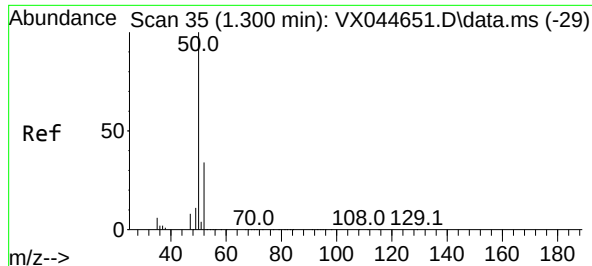
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#2
Dichlorodifluoromethane
Concen: 56.549 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

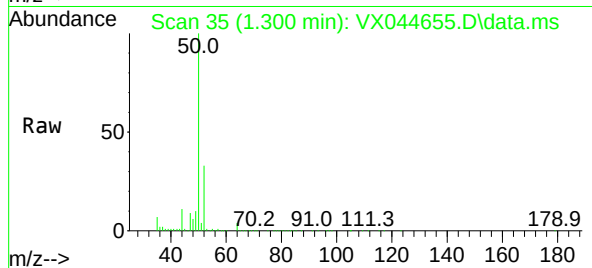
Tgt Ion: 85 Resp: 136518
Ion Ratio Lower Upper
85 100
87 33.0 16.8 50.4





#3
Chloromethane
Concen: 47.763 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

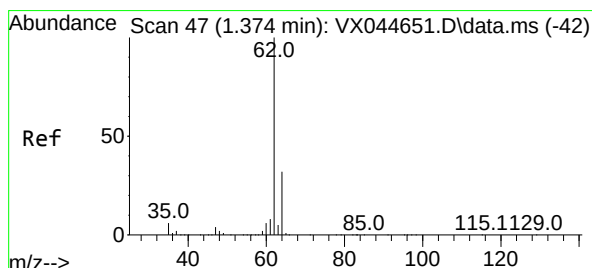
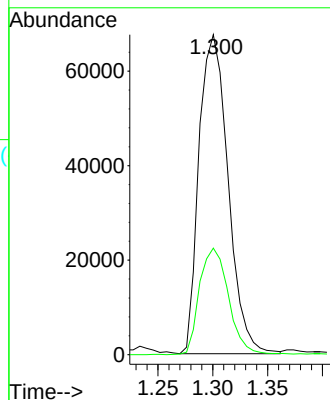
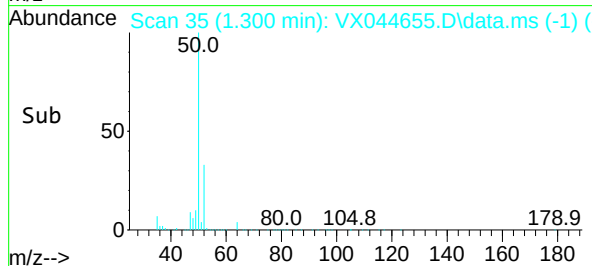
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



Tgt Ion: 50 Resp: 12469
Ion Ratio Lower Upper
50 100
52 33.3 27.0 40.4

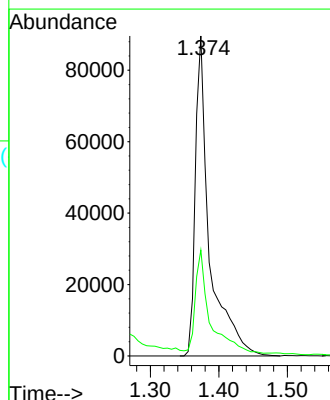
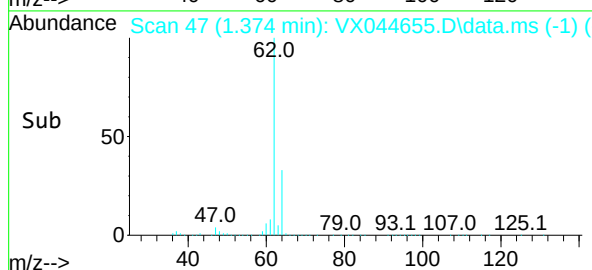
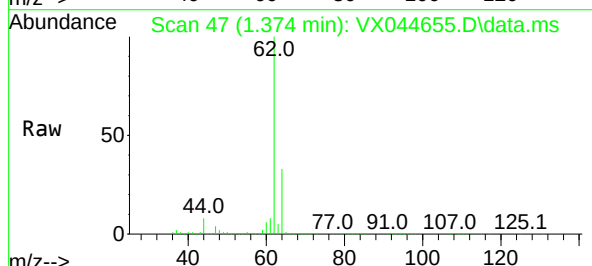
Manual Integrations
APPROVED

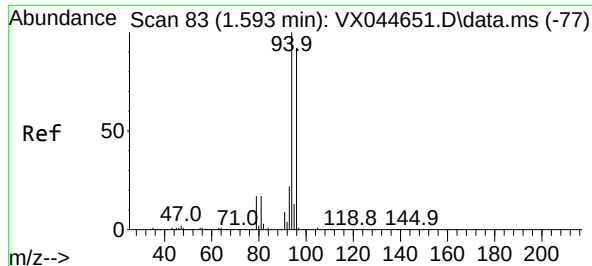
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#4
Vinyl Chloride
Concen: 49.839 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

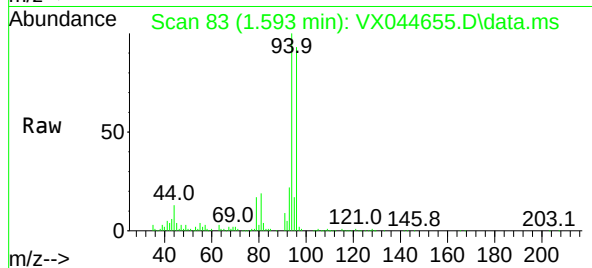
Tgt Ion: 62 Resp: 128558
Ion Ratio Lower Upper
62 100
64 32.2 26.6 39.8





#5
Bromomethane
Concen: 50.031 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

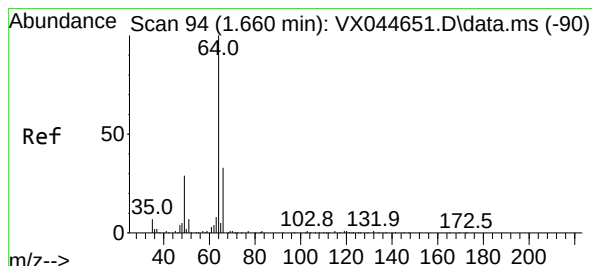
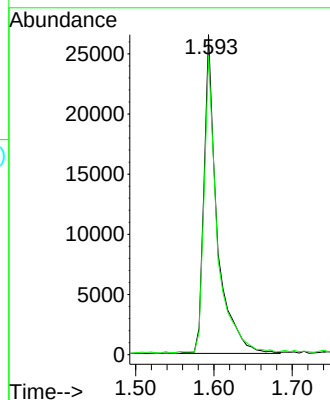
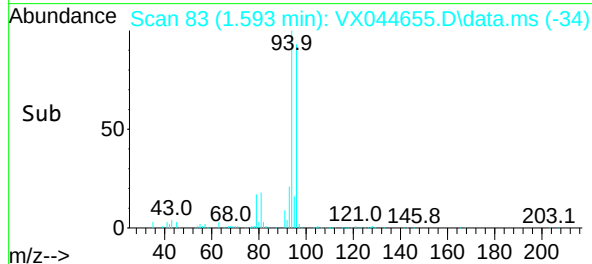
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



Tgt Ion: 94 Resp: 3081
Ion Ratio Lower Upper
94 100
96 92.8 72.8 109.2

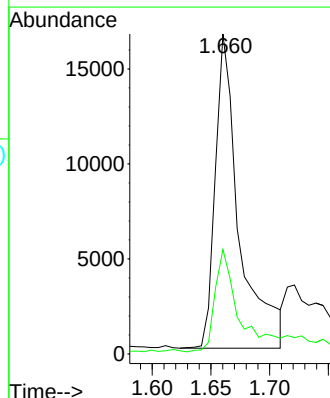
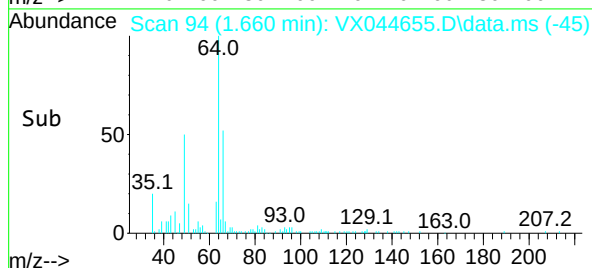
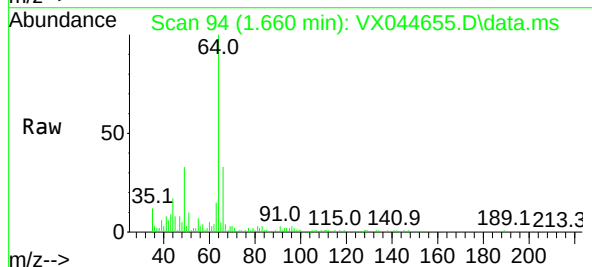
Manual Integrations
APPROVED

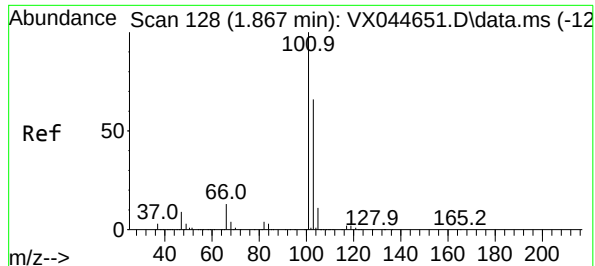
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#6
Chloroethane
Concen: 49.624 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

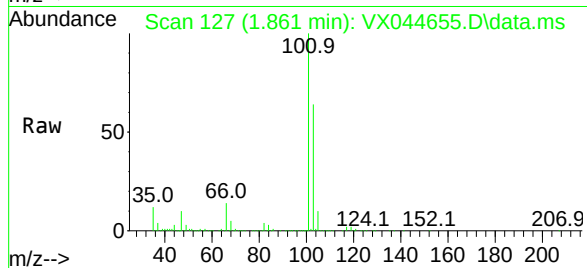
Tgt Ion: 64 Resp: 23473
Ion Ratio Lower Upper
64 100
66 32.2 26.6 39.8





#7
Trichlorofluoromethane
Concen: 51.789 ug/l
RT: 1.861 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

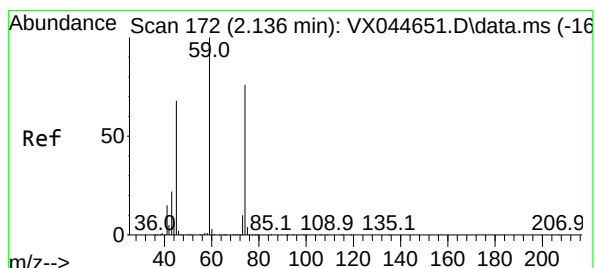
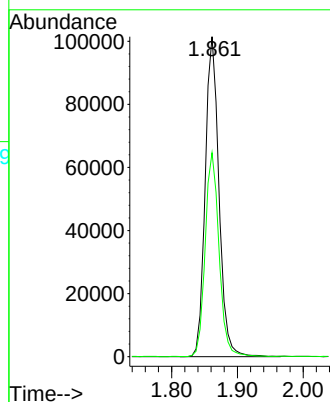
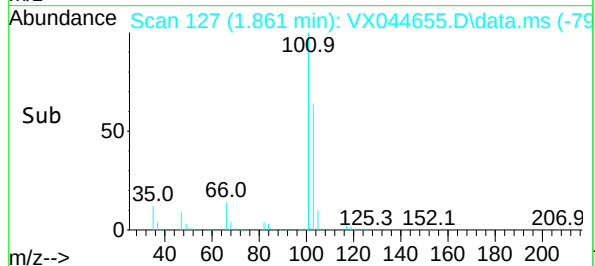
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



Tgt Ion:101 Resp: 14764
Ion Ratio Lower Upper
101 100
103 63.7 52.5 78.7

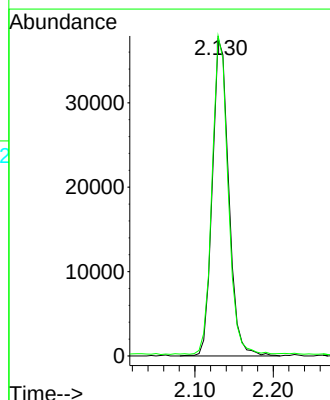
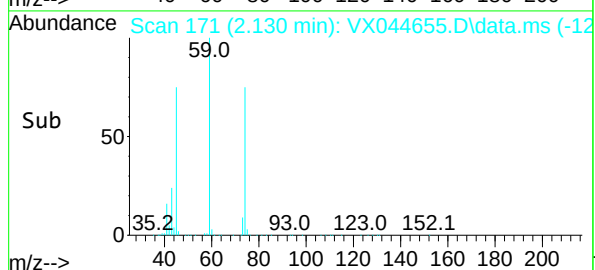
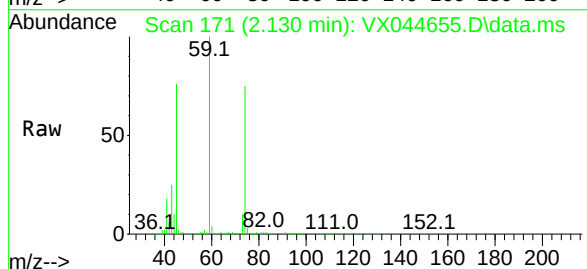
Manual Integrations
APPROVED

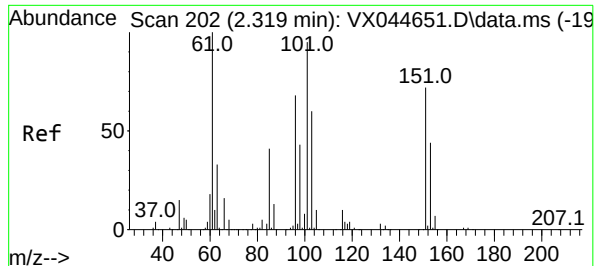
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#8
Diethyl Ether
Concen: 47.479 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

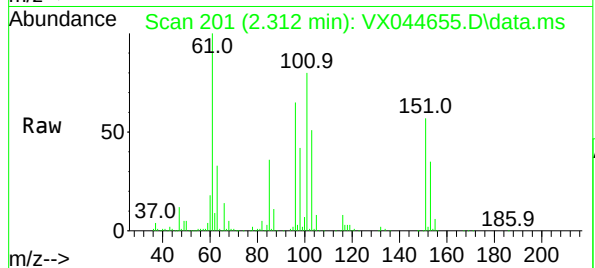
Tgt Ion: 74 Resp: 54624
Ion Ratio Lower Upper
74 100
45 98.4 47.1 141.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.271 ug/l
RT: 2.312 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

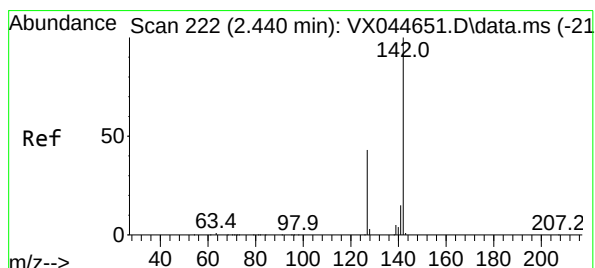
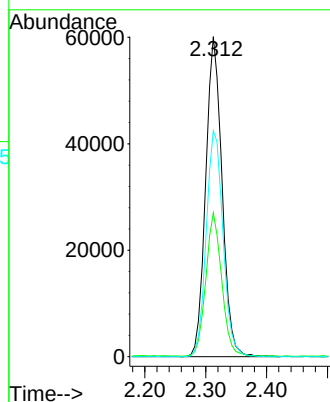
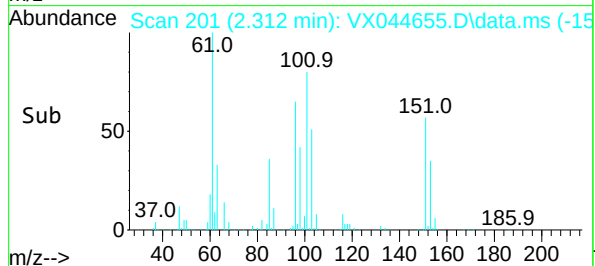
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



Tgt Ion:101 Resp: 112018
Ion Ratio Lower Upper
101 100
85 43.6 35.3 52.9
151 72.6 58.2 87.4

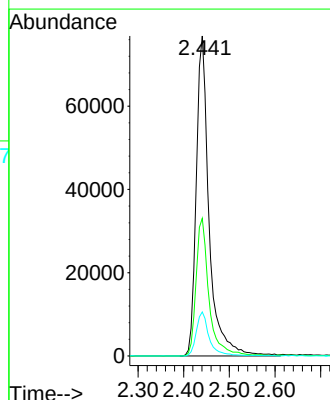
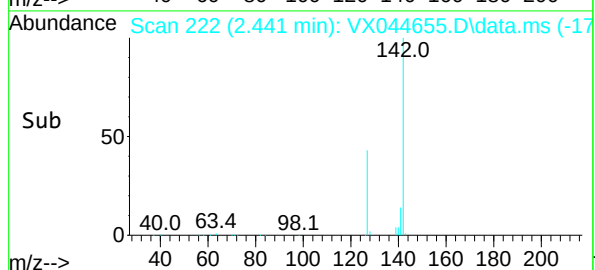
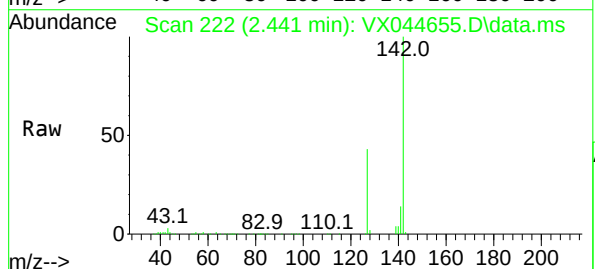
Manual Integrations
APPROVED

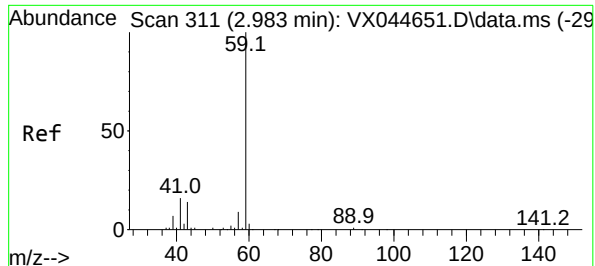
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#10
Methyl Iodide
Concen: 51.350 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:142 Resp: 150245
Ion Ratio Lower Upper
142 100
127 43.6 35.0 52.4
141 13.8 11.7 17.5





#11

Tert butyl alcohol

Concen: 248.503 ug/l m

RT: 2.983 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX011525

Tgt Ion: 59 Resp: 15002

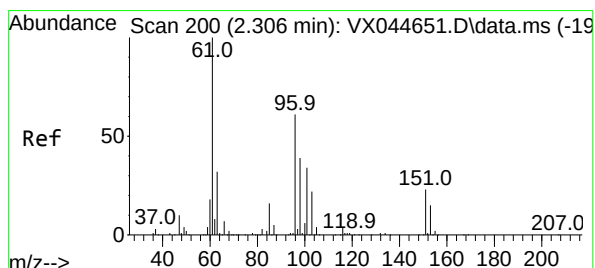
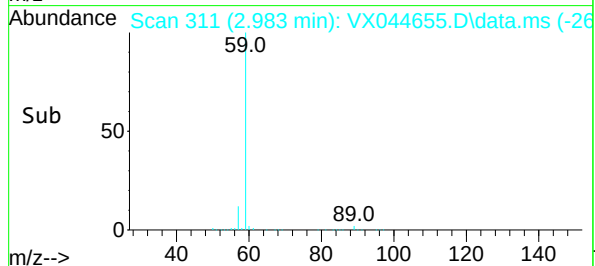
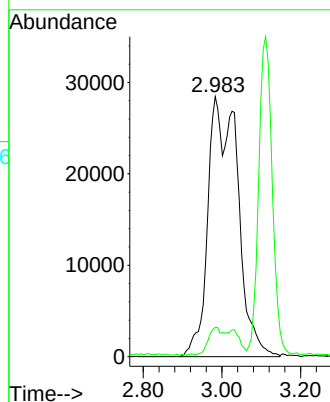
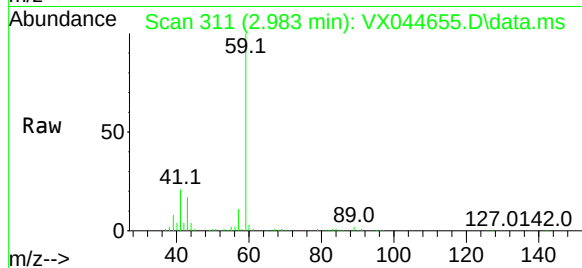
Ion Ratio Lower Upper

59 100

57 5.2 3.9 5.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

#12

1,1-Dichloroethene

Concen: 51.243 ug/l

RT: 2.306 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

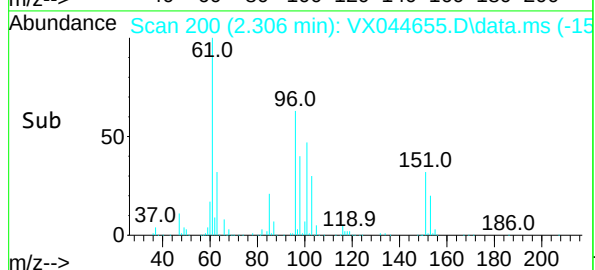
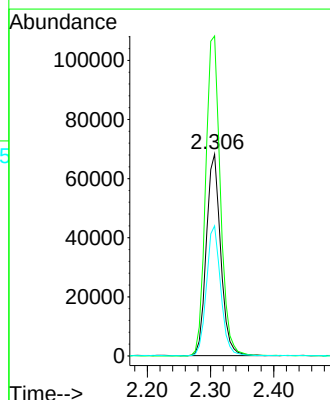
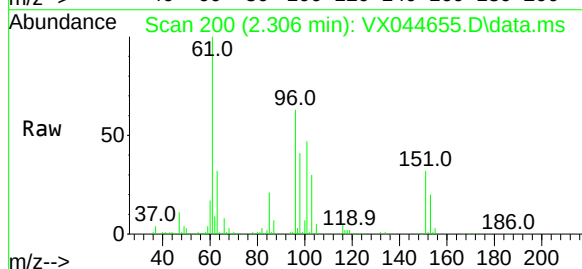
Tgt Ion: 96 Resp: 107643

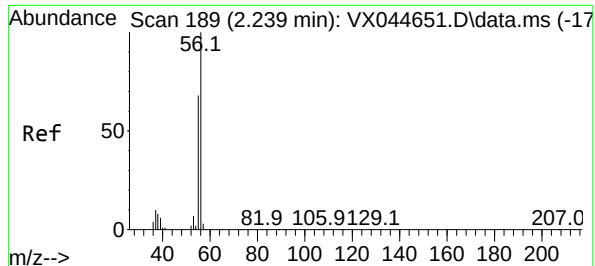
Ion Ratio Lower Upper

96 100

61 158.8 131.1 196.7

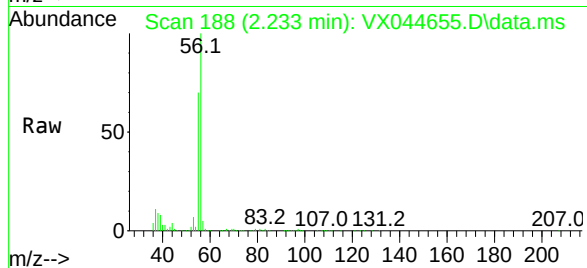
98 64.3 51.2 76.8





#13
Acrolein
Concen: 230.919 ug/l
RT: 2.233 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

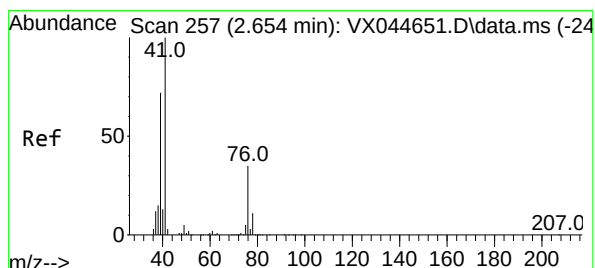
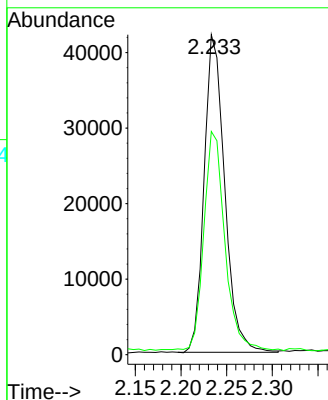
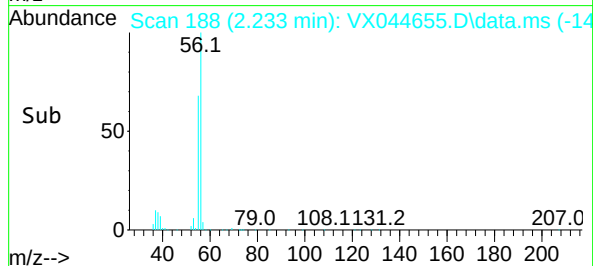
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



Tgt Ion: 56 Resp: 65602
Ion Ratio Lower Upper
56 100
55 70.6 55.1 82.7

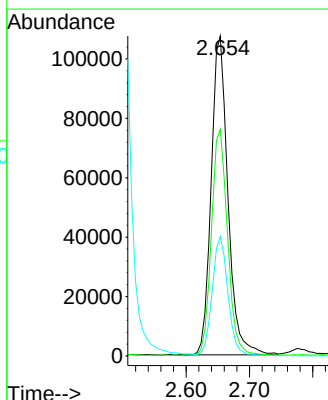
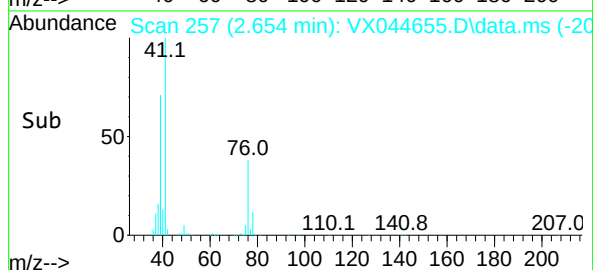
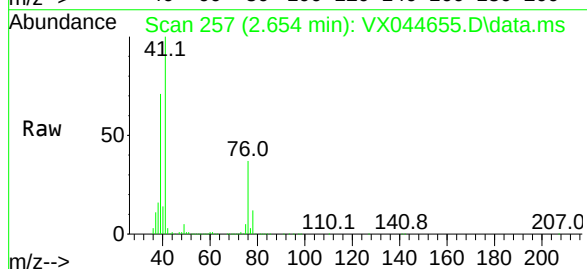
Manual Integrations
APPROVED

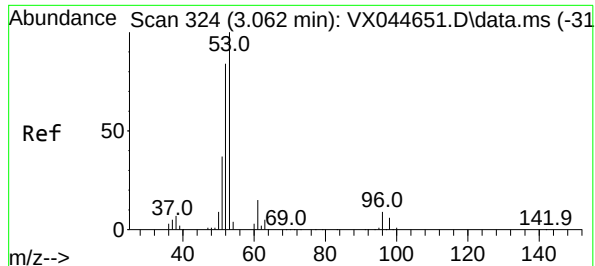
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#14
Allyl chloride
Concen: 48.232 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 41 Resp: 197270
Ion Ratio Lower Upper
41 100
39 68.5 54.9 82.3
76 35.6 28.4 42.6





#15

Acrylonitrile

Concen: 259.942 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX011525

Tgt Ion: 53 Resp: 307790

Ion Ratio Lower Upper

53 100

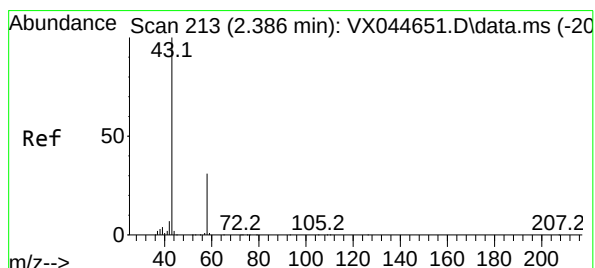
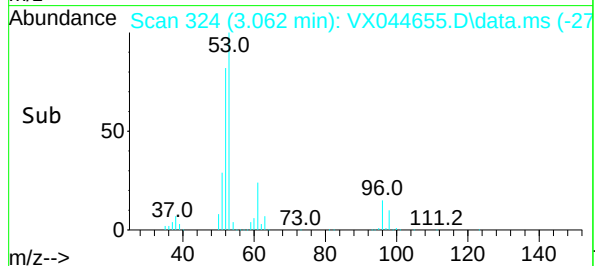
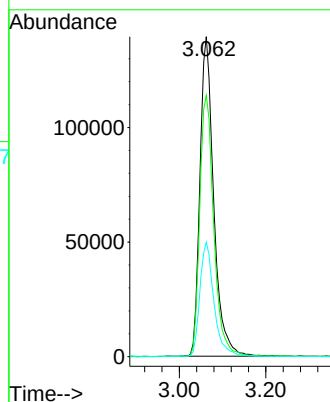
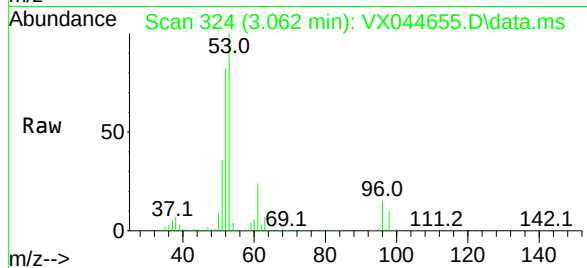
52 83.2 66.0 99.0

51 36.2 28.9 43.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#16

Acetone

Concen: 266.735 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX044655.D

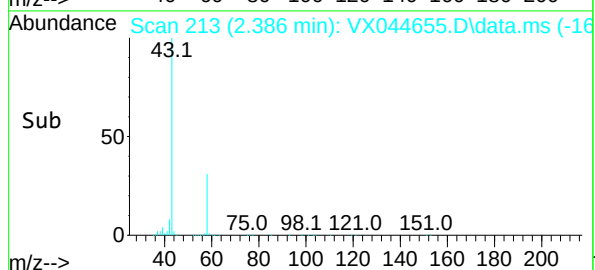
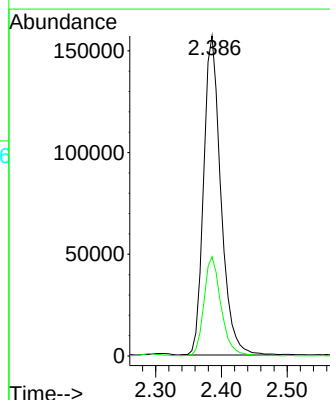
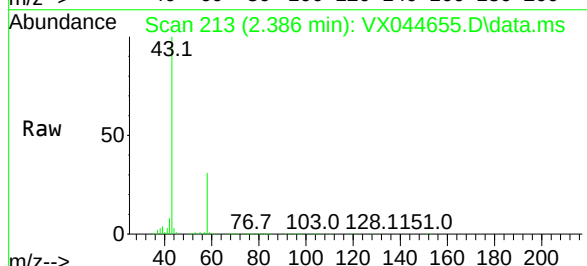
Acq: 15 Jan 2025 15:15

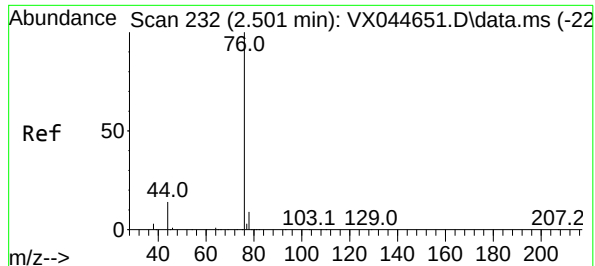
Tgt Ion: 43 Resp: 285777

Ion Ratio Lower Upper

43 100

58 31.0 24.6 37.0





#17

Carbon Disulfide

Concen: 50.827 ug/l

RT: 2.495 min Scan# 231

Delta R.T. -0.006 min

Lab File: VX044655.D

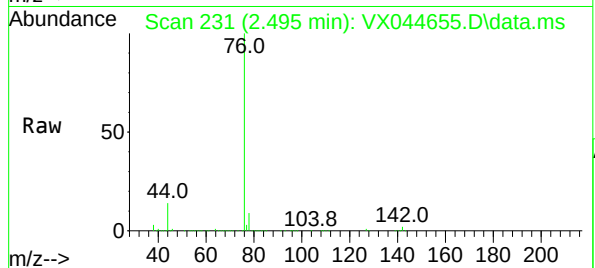
Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011525



Tgt Ion: 76 Resp: 291339

Ion Ratio Lower Upper

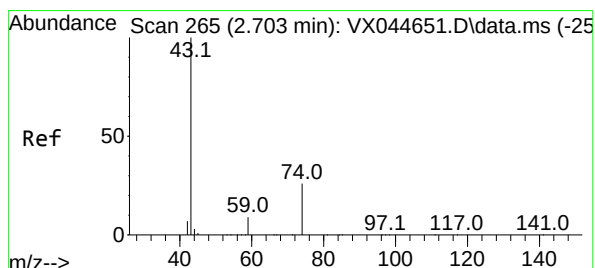
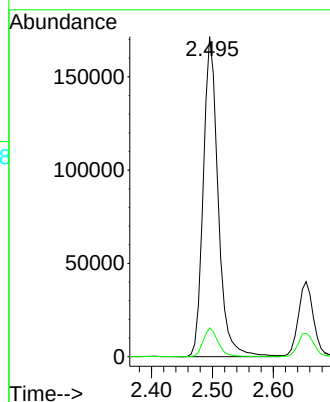
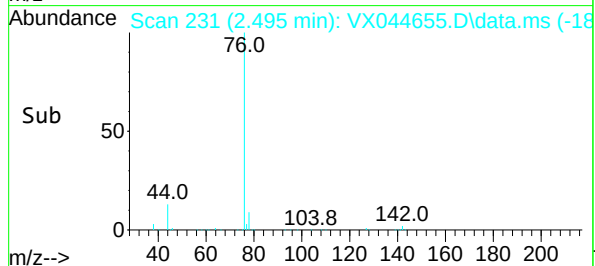
76 100

78 9.0 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#18

Methyl Acetate

Concen: 53.560 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044655.D

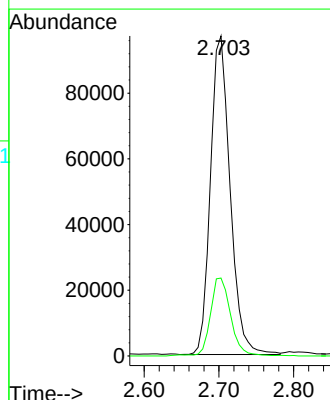
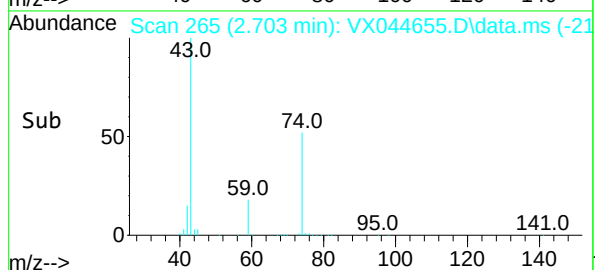
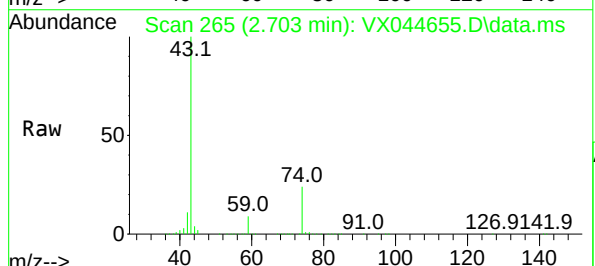
Acq: 15 Jan 2025 15:15

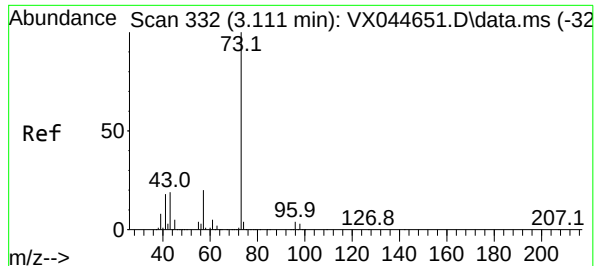
Tgt Ion: 43 Resp: 177037

Ion Ratio Lower Upper

43 100

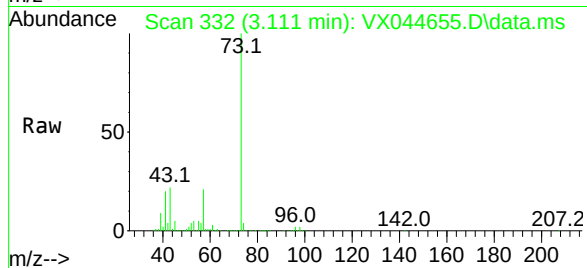
74 25.4 19.8 29.8





#19
Methyl tert-butyl Ether
Concen: 50.389 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

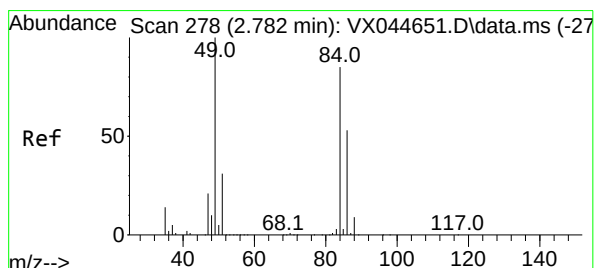
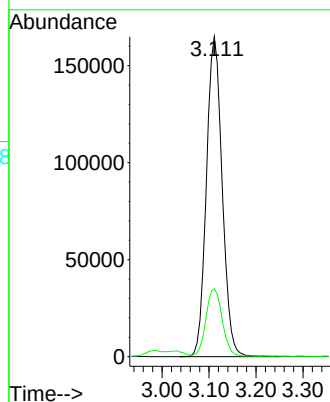
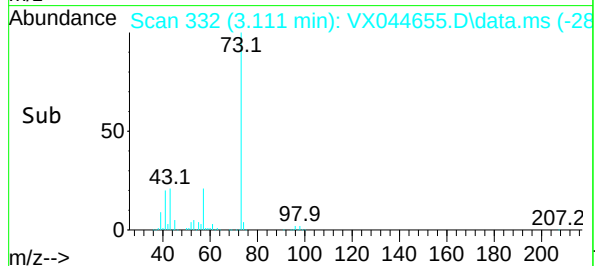
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



Tgt Ion: 73 Resp: 383394
Ion Ratio Lower Upper
73 100
57 21.1 17.4 26.0

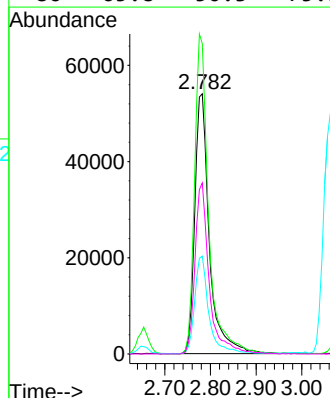
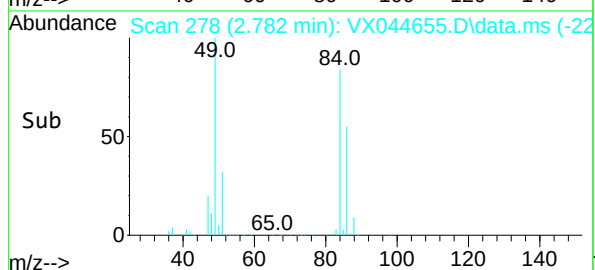
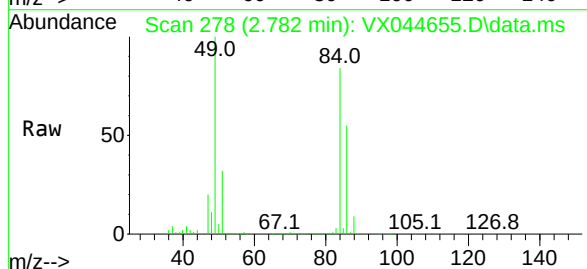
Manual Integrations
APPROVED

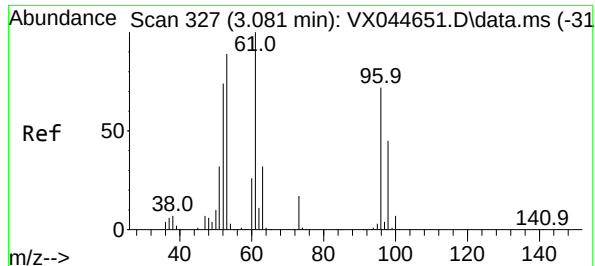
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#20
Methylene Chloride
Concen: 48.076 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

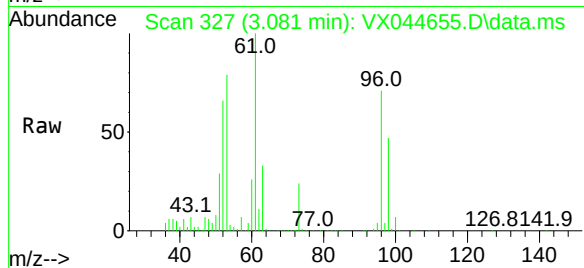
Tgt Ion: 84 Resp: 119950
Ion Ratio Lower Upper
84 100
49 119.5 94.2 141.4
51 37.6 28.8 43.2
86 65.8 50.3 75.5





#21
trans-1,2-Dichloroethene
Concen: 48.846 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

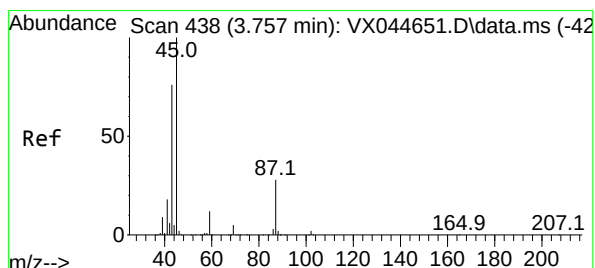
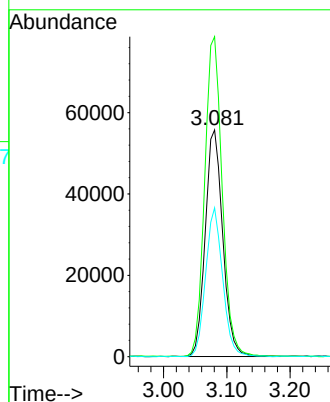
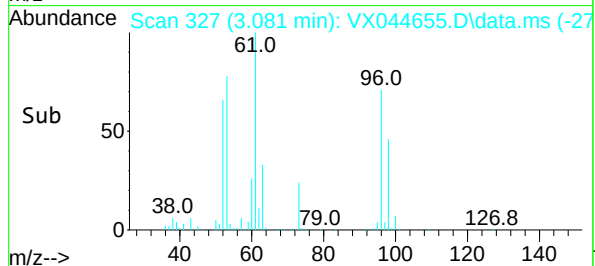
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



Tgt Ion: 96 Resp: 10712
Ion Ratio Lower Upper
96 100
61 141.2 111.0 166.6
98 65.6 50.2 75.2

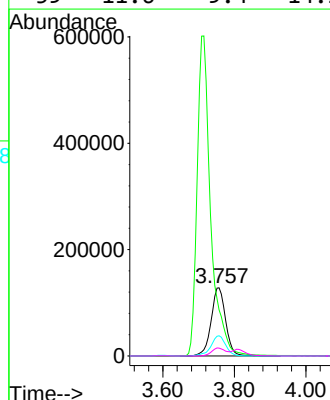
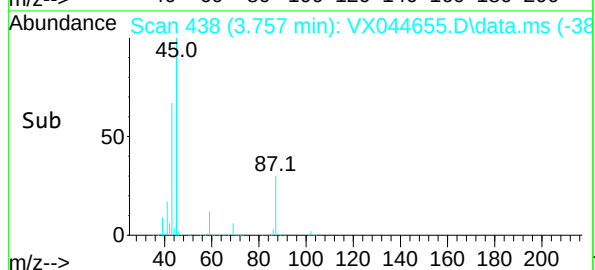
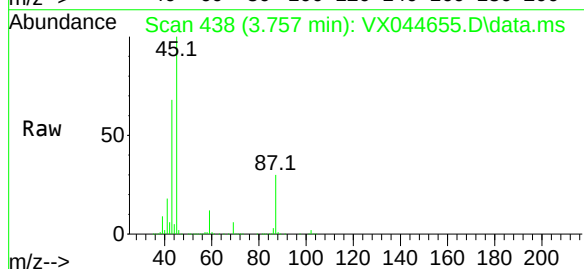
Manual Integrations
APPROVED

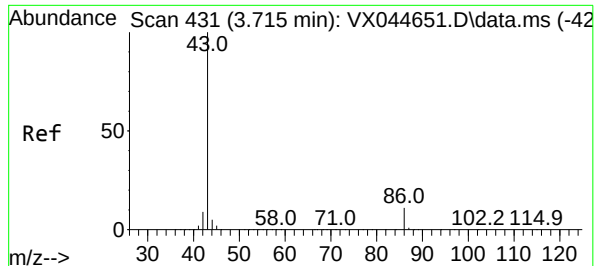
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#22
Diisopropyl ether
Concen: 50.659 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

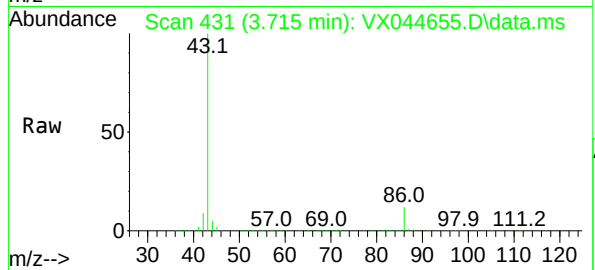
Tgt Ion: 45 Resp: 360169
Ion Ratio Lower Upper
45 100
43 67.3 61.0 91.6
87 29.5 22.7 34.1
59 11.6 9.4 14.2





#23
Vinyl Acetate
Concen: 254.442 ug/l
RT: 3.715 min Scan# 411
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

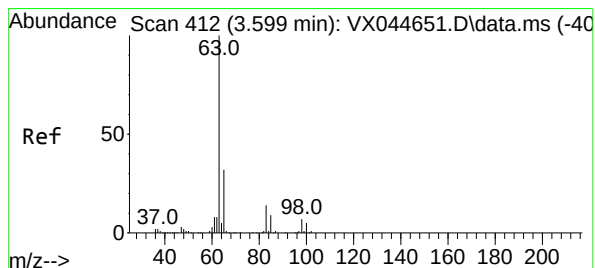
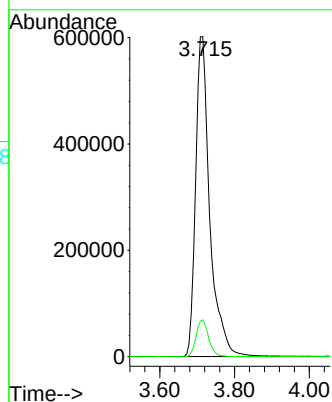
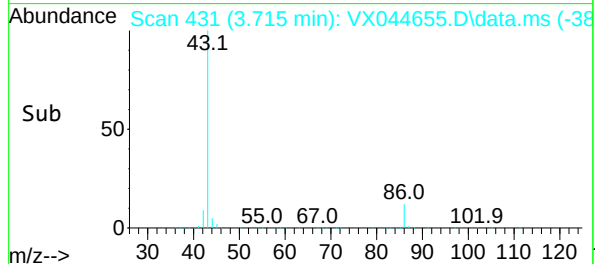
Instrument :
MSVOA_X
ClientSampleId :
ICVX011525



Tgt Ion: 43 Resp: 1583340
Ion Ratio Lower Upper
43 100
86 11.5 8.9 13.3

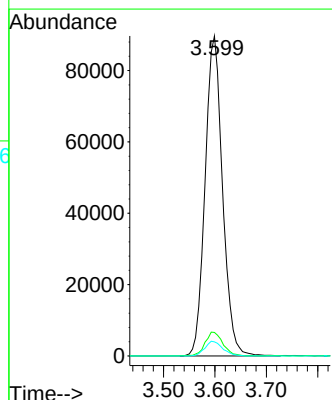
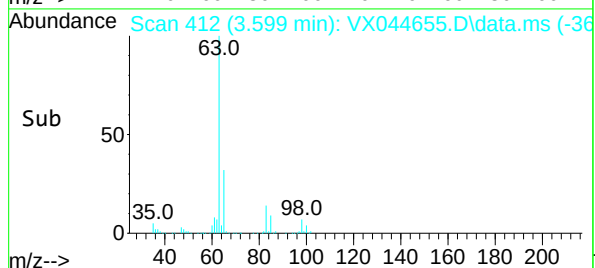
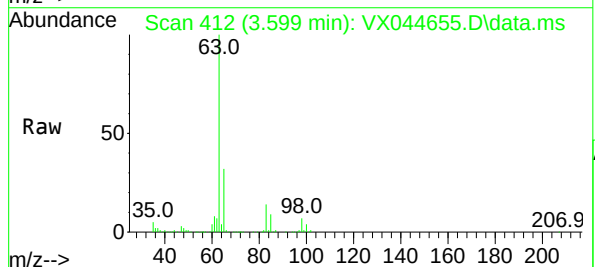
Manual Integrations
APPROVED

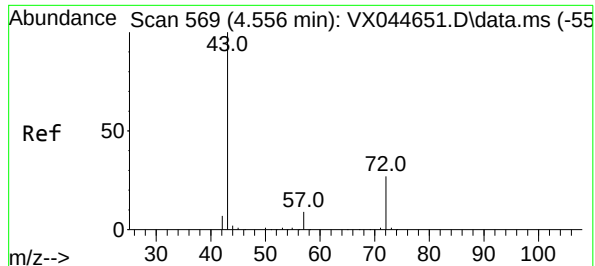
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#24
1,1-Dichloroethane
Concen: 50.150 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

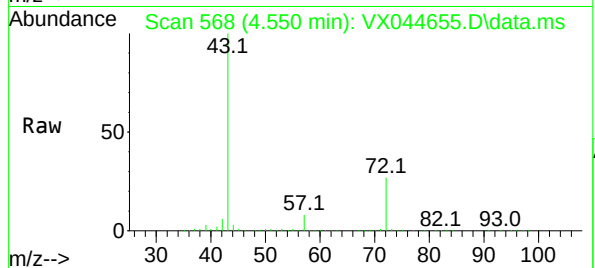
Tgt Ion: 63 Resp: 211436
Ion Ratio Lower Upper
63 100
98 7.2 3.6 10.9
100 4.4 2.5 7.5





#25
2-Butanone
Concen: 265.596 ug/l
RT: 4.550 min Scan# 50
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

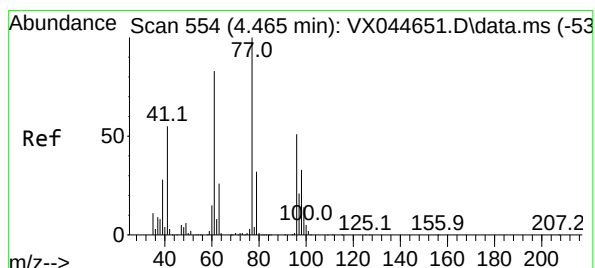
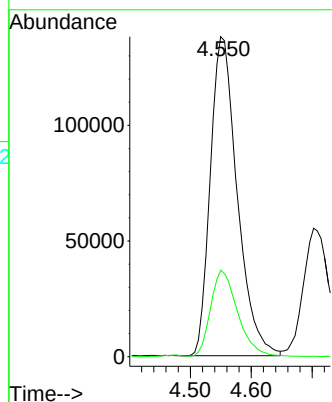
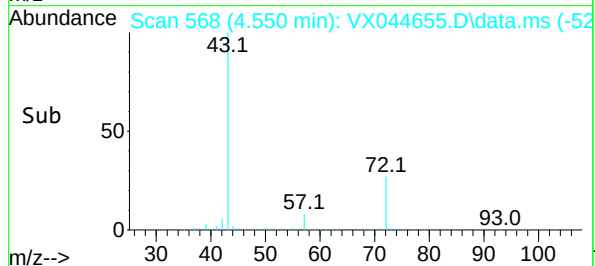
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



Tgt Ion: 43 Resp: 42308
Ion Ratio Lower Upper
43 100
72 26.8 21.7 32.5

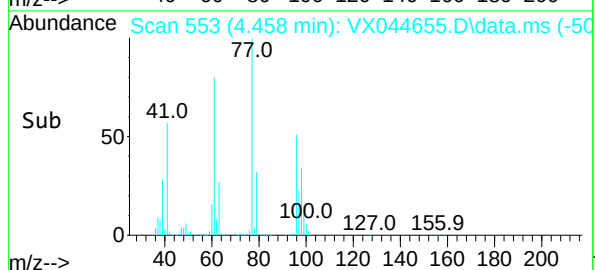
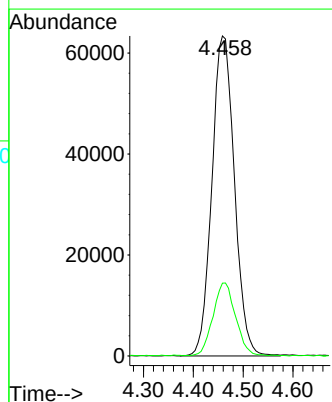
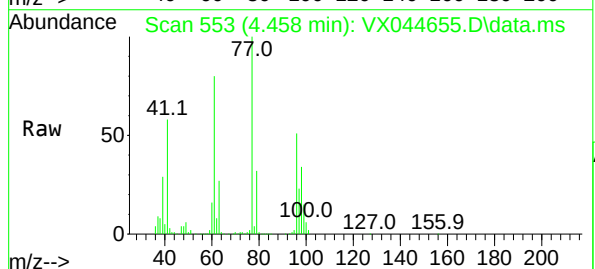
Manual Integrations
APPROVED

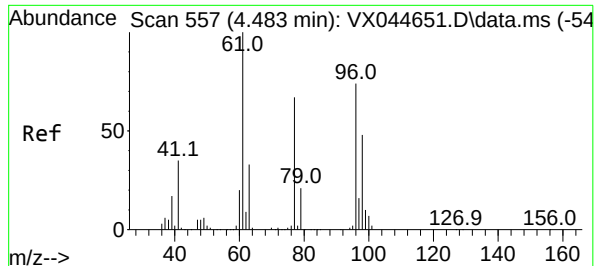
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#26
2,2-Dichloropropane
Concen: 48.697 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 77 Resp: 198981
Ion Ratio Lower Upper
77 100
97 22.6 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 48.831 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011525

Tgt Ion: 96 Resp: 13471

Ion Ratio Lower Upper

96 100

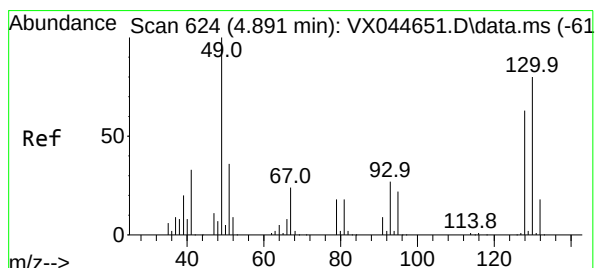
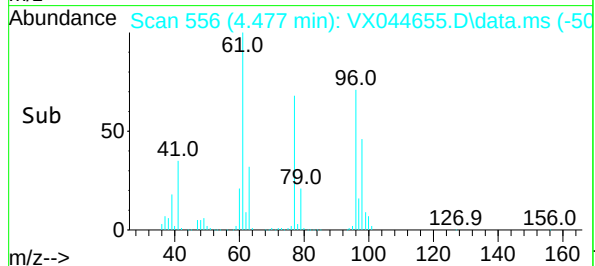
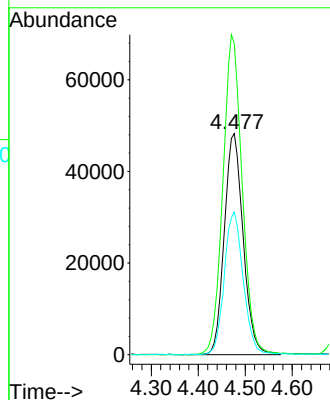
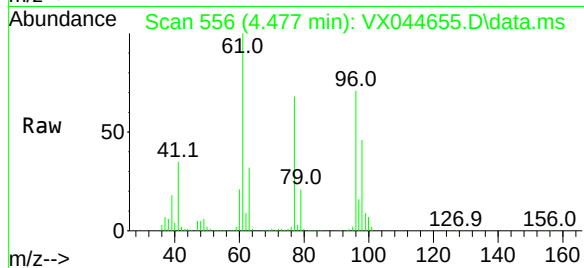
61 148.4 0.0 296.0

98 64.7 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#28

Bromochloromethane

Concen: 49.545 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

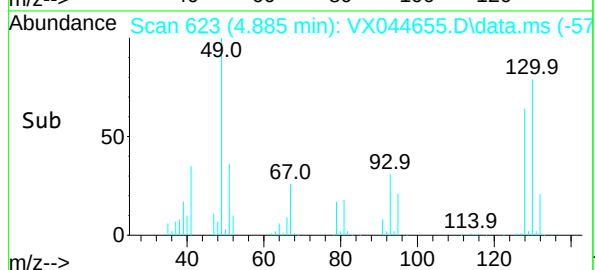
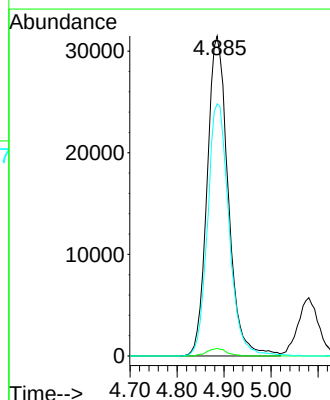
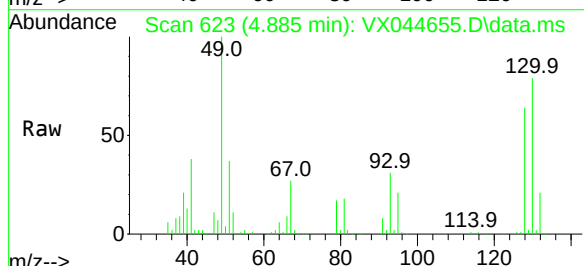
Tgt Ion: 49 Resp: 97608

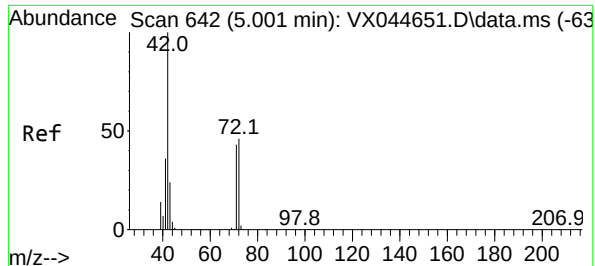
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 80.4 63.4 95.2





#29

Tetrahydrofuran

Concen: 256.578 ug/l

RT: 4.995 min Scan# 64

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011525

Tgt Ion: 42 Resp: 26363

Ion Ratio Lower Upper

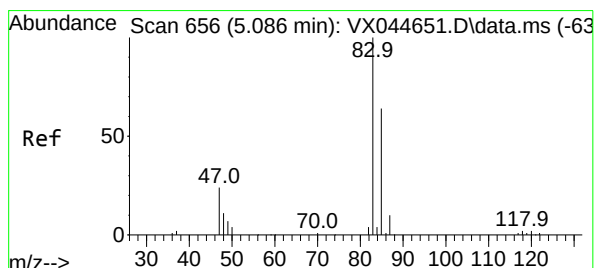
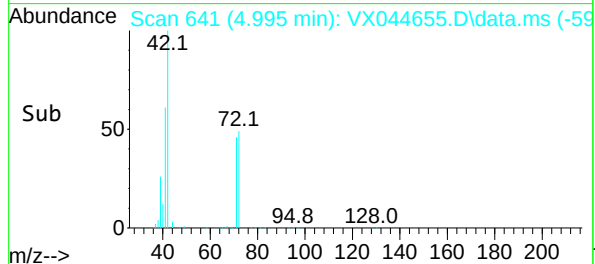
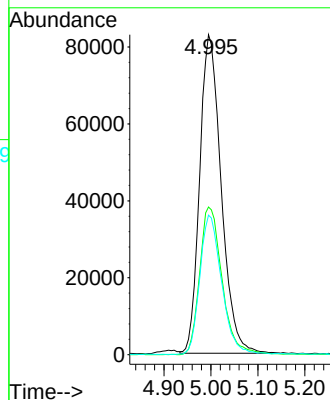
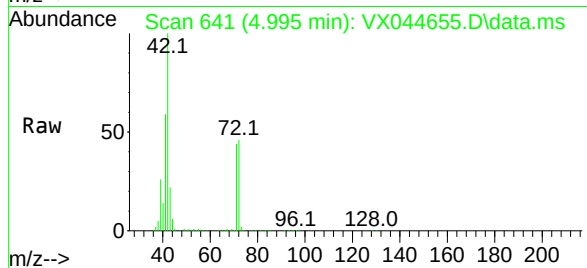
42 100

72 48.3 38.2 57.4

71 44.3 35.3 52.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

#30

Chloroform

Concen: 50.304 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX044655.D

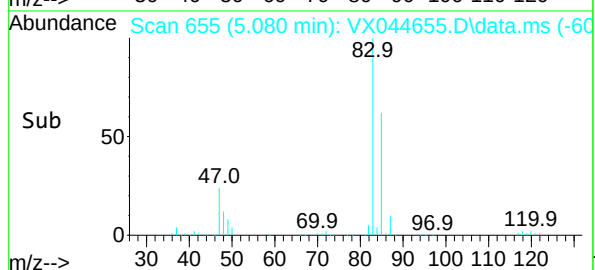
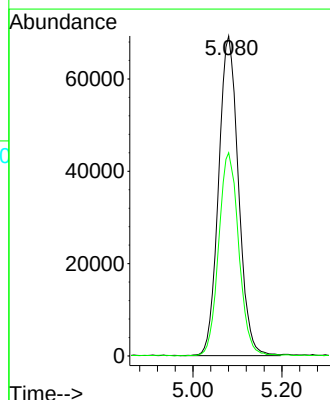
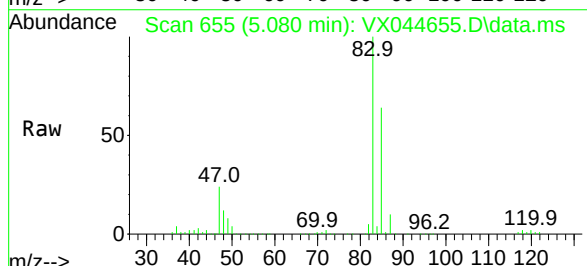
Acq: 15 Jan 2025 15:15

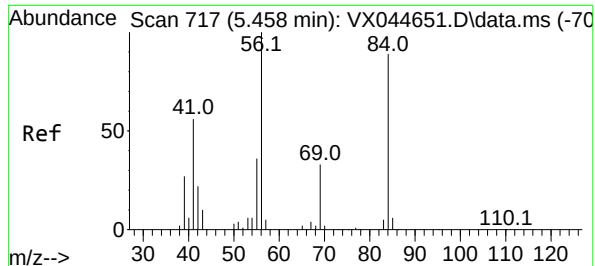
Tgt Ion: 83 Resp: 214034

Ion Ratio Lower Upper

83 100

85 63.5 51.2 76.8





#31

Cyclohexane

Concen: 52.878 ug/l

RT: 5.452 min Scan# 716

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX011525

Tgt Ion: 56 Resp: 180309

Ion Ratio Lower Upper

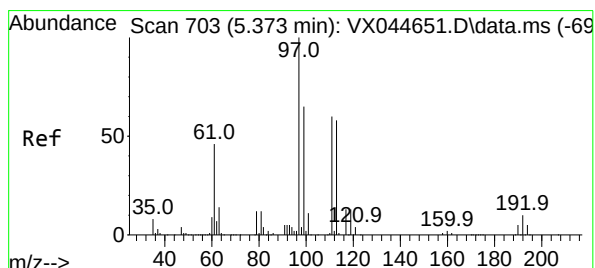
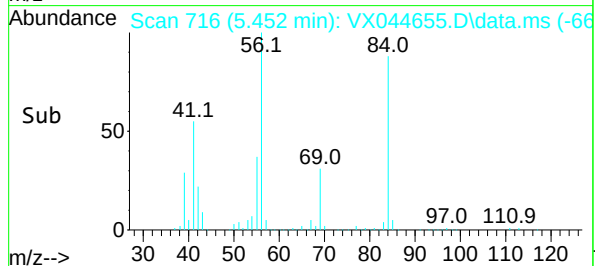
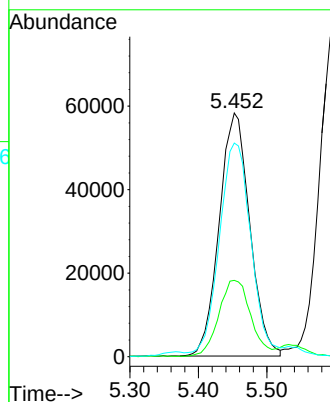
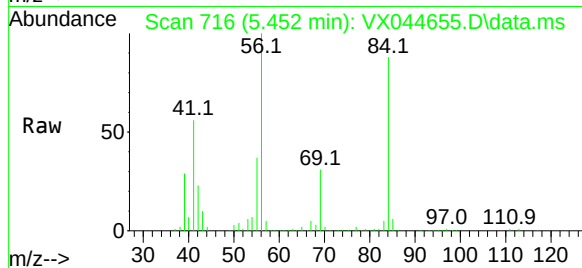
56 100

69 31.2 26.8 40.2

84 86.0 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

#32

1,1,1-Trichloroethane

Concen: 48.859 ug/l

RT: 5.367 min Scan# 702

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

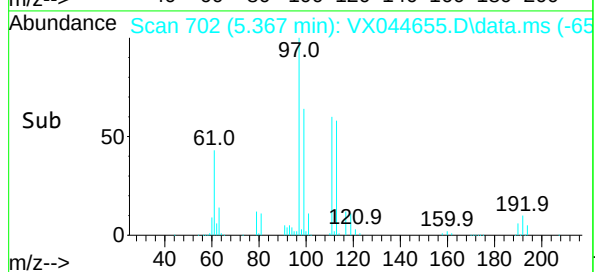
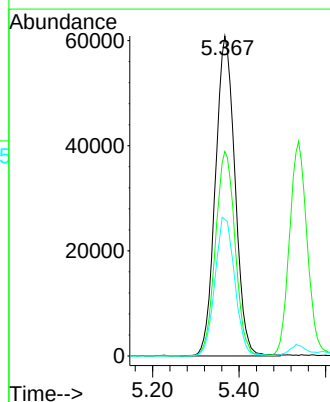
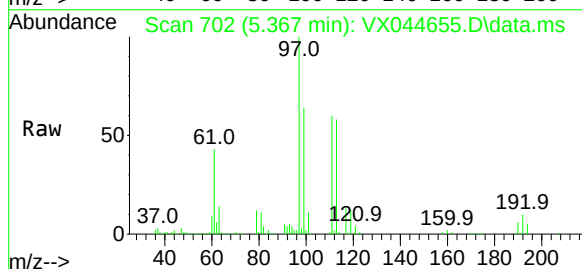
Tgt Ion: 97 Resp: 191114

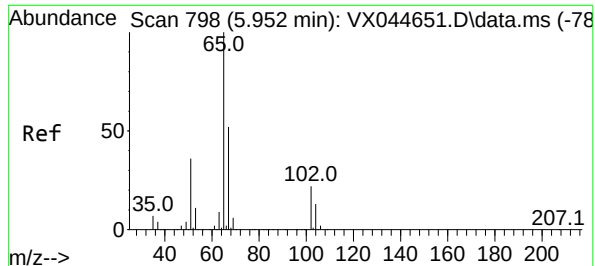
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 43.9 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 52.363 ug/l

RT: 5.940 min Scan# 798

Delta R.T. -0.012 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX011525

Tgt Ion: 65 Resp: 141798

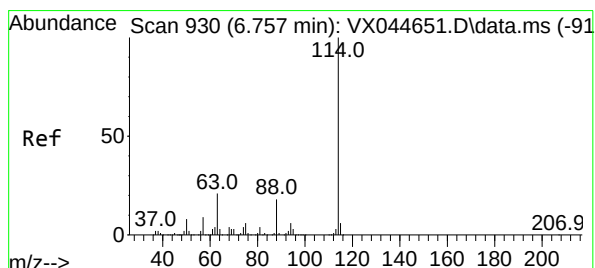
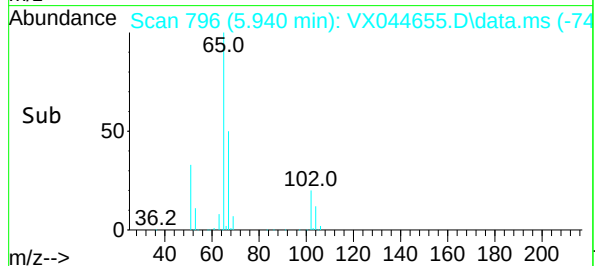
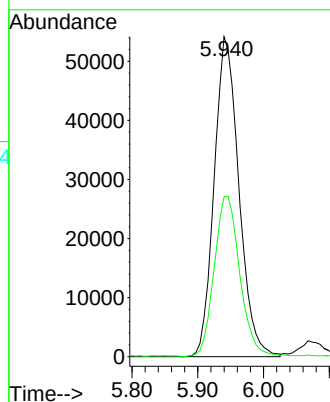
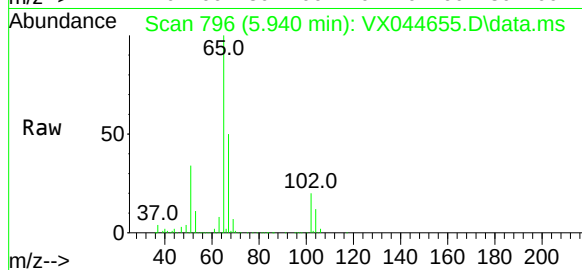
Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

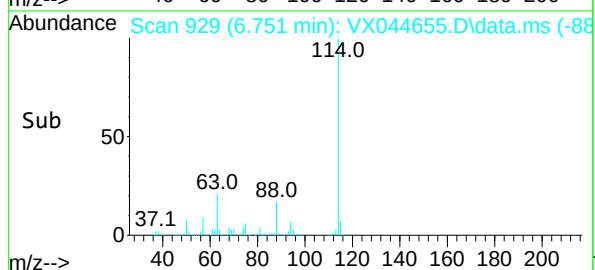
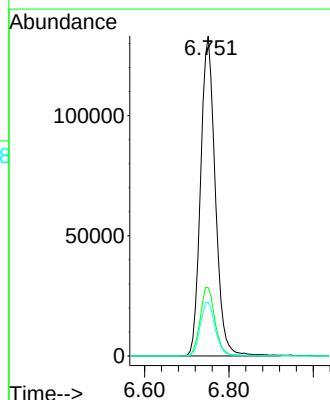
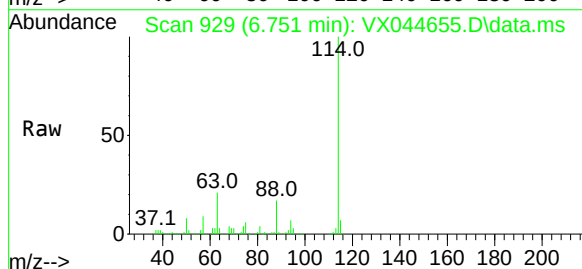
Tgt Ion:114 Resp: 323521

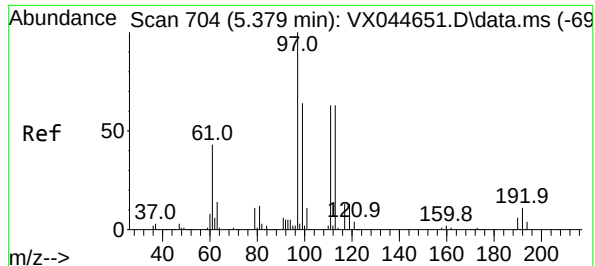
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.0

88 16.8 0.0 35.4





#35

Dibromofluoromethane

Concen: 53.683 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX011525

Tgt Ion:113 Resp: 11033

Ion Ratio Lower Upper

113 100

111 104.5 81.6 122.4

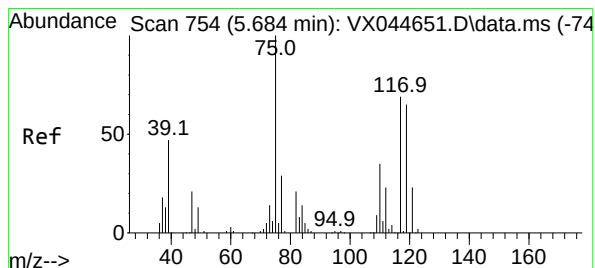
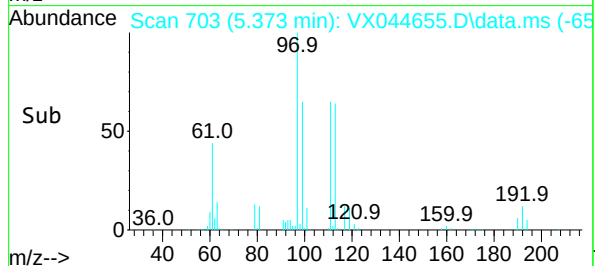
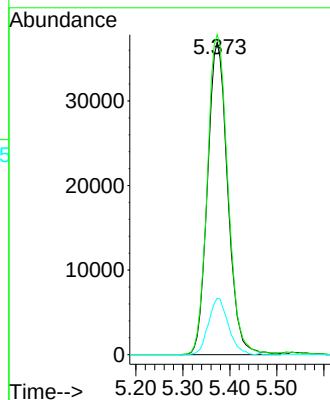
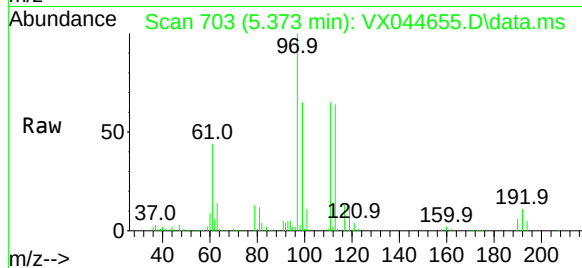
192 17.7 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#36

1,1-Dichloropropene

Concen: 50.294 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

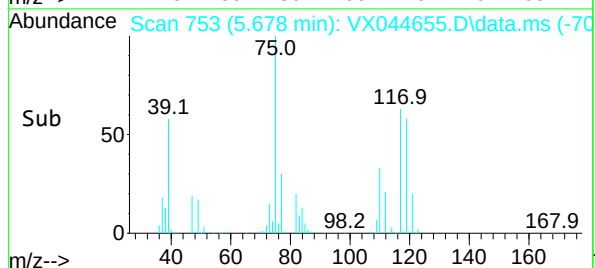
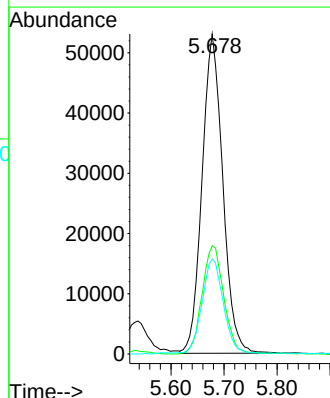
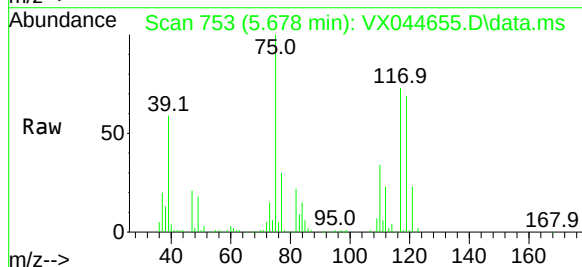
Tgt Ion: 75 Resp: 143891

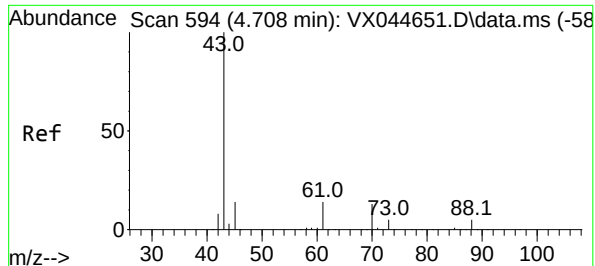
Ion Ratio Lower Upper

75 100

110 35.5 17.9 53.8

77 30.2 24.5 36.7





#37

Ethyl Acetate

Concen: 54.526 ug/l

RT: 4.702 min Scan# 594

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX011525

Tgt Ion: 43 Resp: 166128

Ion Ratio Lower Upper

43 100

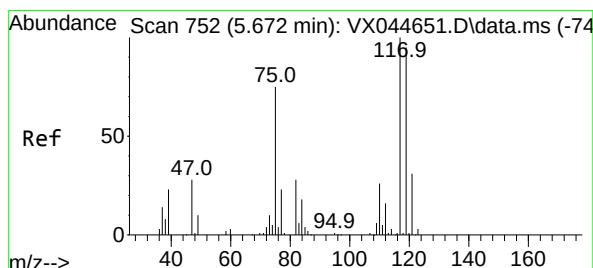
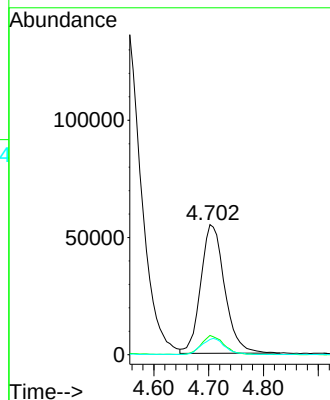
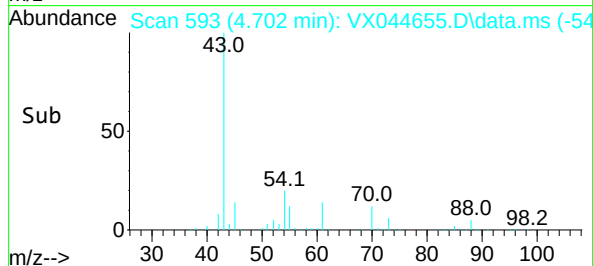
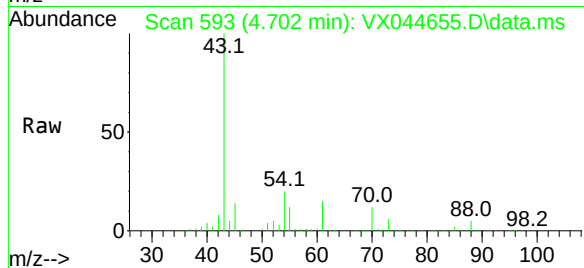
61 13.7 10.9 16.3

70 12.2 10.1 15.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#38

Carbon Tetrachloride

Concen: 50.287 ug/l

RT: 5.659 min Scan# 750

Delta R.T. -0.012 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

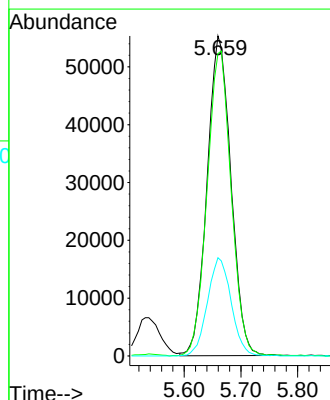
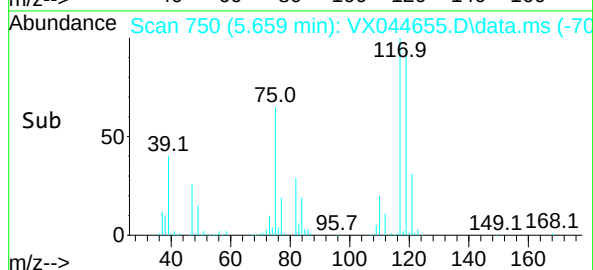
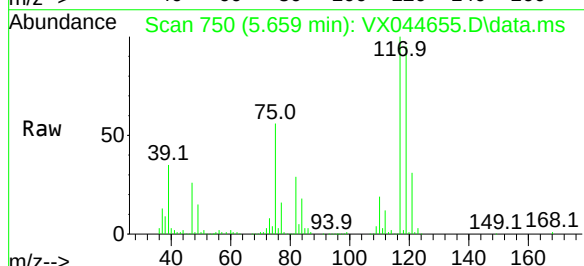
Tgt Ion:117 Resp: 161829

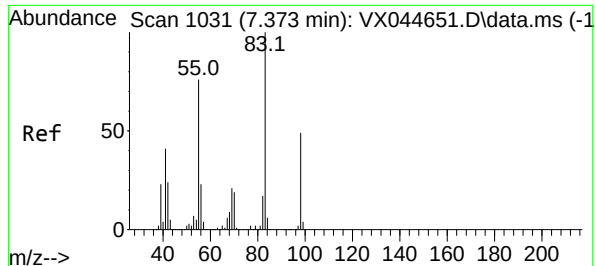
Ion Ratio Lower Upper

117 100

119 94.5 76.0 114.0

121 30.8 24.6 36.8





#39

Methylcyclohexane

Concen: 52.520 ug/l

RT: 7.366 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX011525

Tgt Ion: 83 Resp: 199470

Ion Ratio Lower Upper

83 100

55 77.8 60.5 90.7

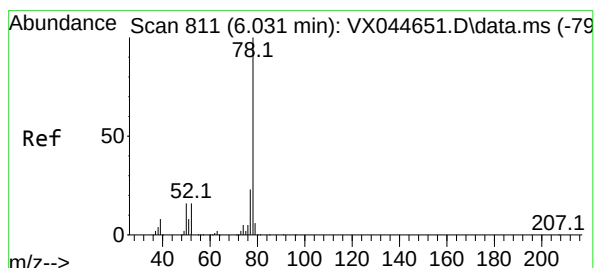
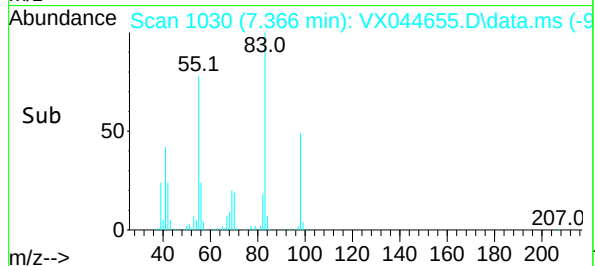
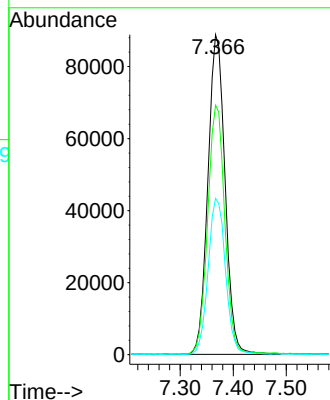
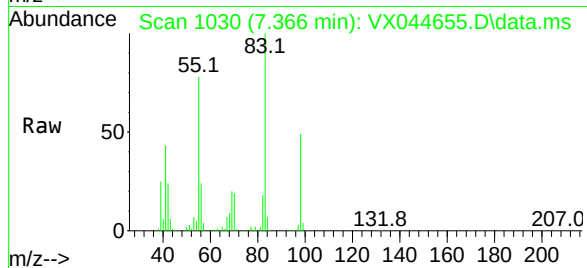
98 48.9 39.0 58.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#40

Benzene

Concen: 50.610 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX044655.D

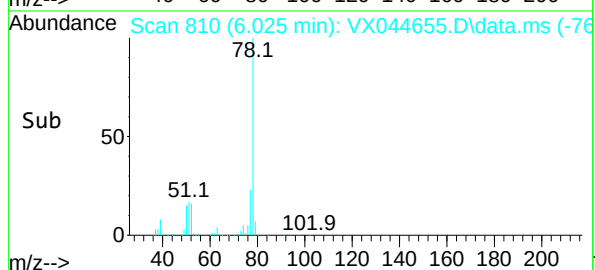
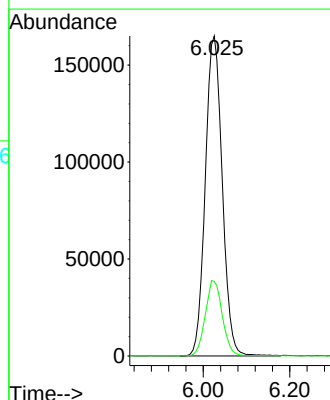
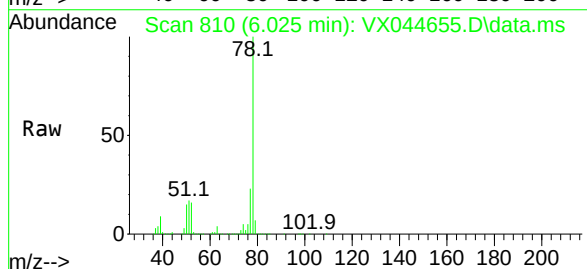
Acq: 15 Jan 2025 15:15

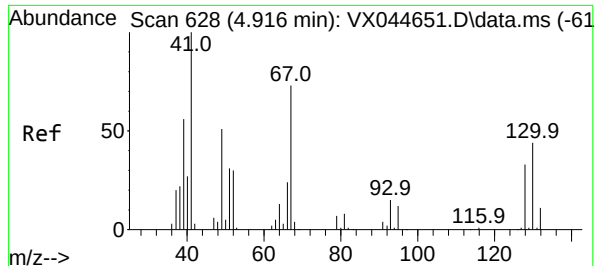
Tgt Ion: 78 Resp: 448684

Ion Ratio Lower Upper

78 100

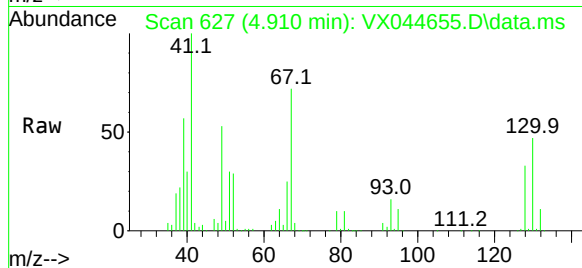
77 23.2 18.7 28.1





#41
Methacrylonitrile
Concen: 51.342 ug/l
RT: 4.910 min Scan# 611
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

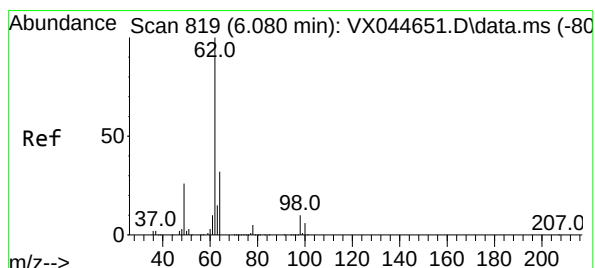
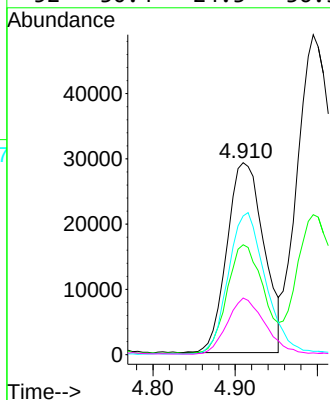
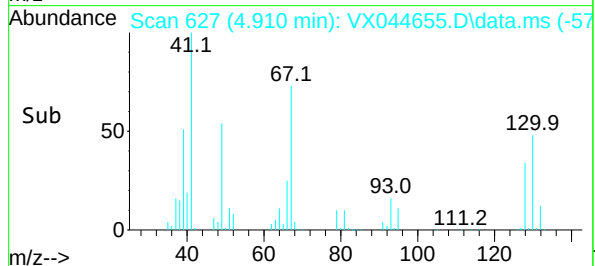
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



Tgt Ion: 41 Resp: 9115
Ion Ratio Lower Upper
41 100
39 56.2 44.4 66.6
67 75.5 60.6 90.8
52 30.4 24.3 36.5

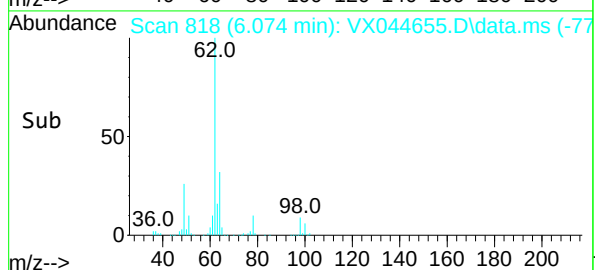
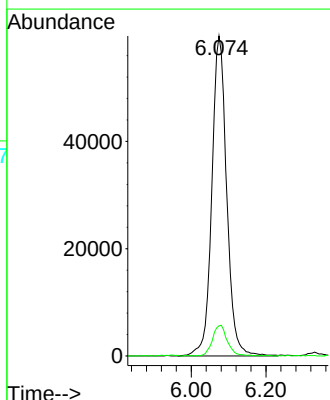
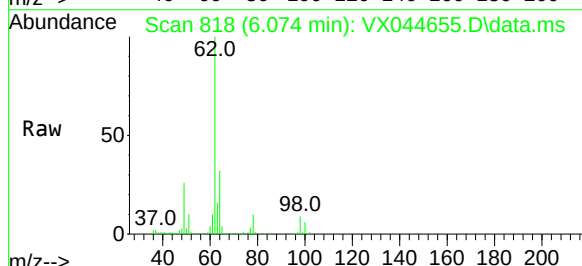
Manual Integrations
APPROVED

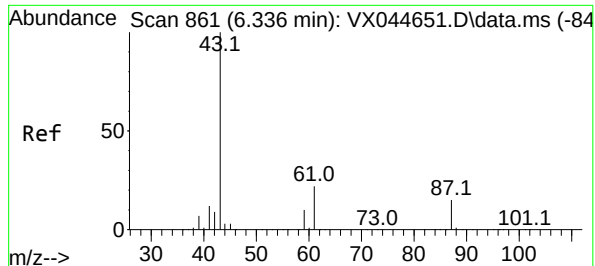
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#42
1,2-Dichloroethane
Concen: 50.902 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 62 Resp: 164707
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.4





#43

Isopropyl Acetate

Concen: 50.871 ug/l

RT: 6.330 min Scan# 861

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX011525

Tgt Ion: 43 Resp: 28512

Ion Ratio Lower Upper

43 100

61 20.9 16.6 24.8

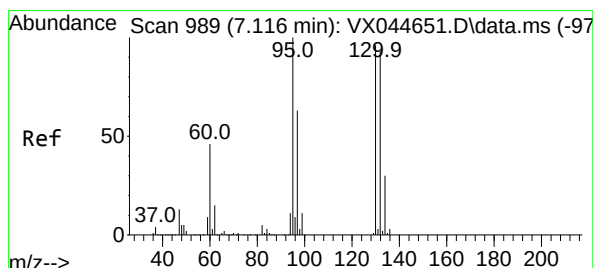
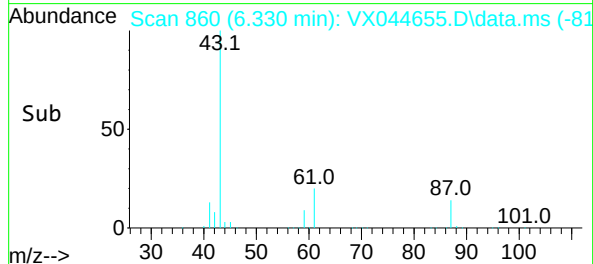
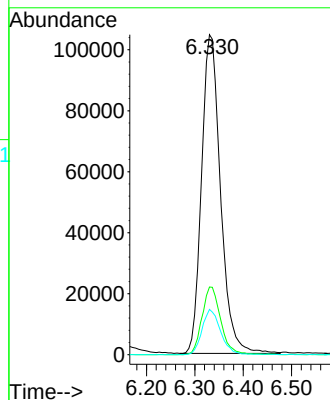
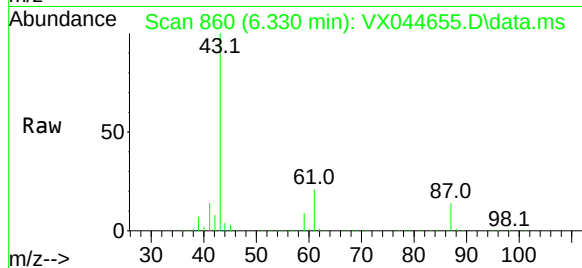
87 13.8 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#44

Trichloroethene

Concen: 51.887 ug/l

RT: 7.116 min Scan# 989

Delta R.T. 0.000 min

Lab File: VX044655.D

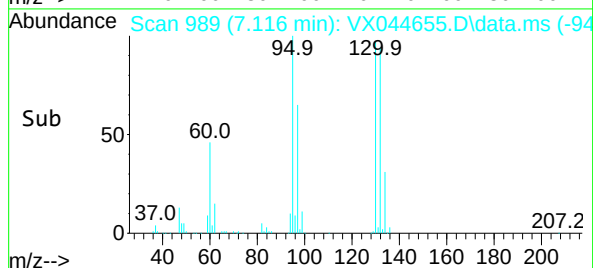
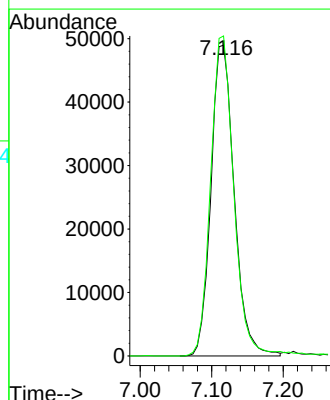
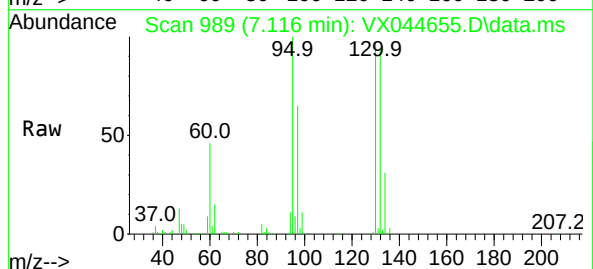
Acq: 15 Jan 2025 15:15

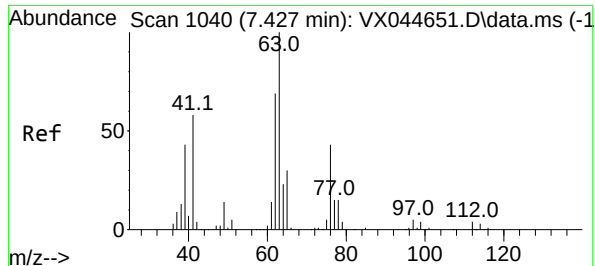
Tgt Ion:130 Resp: 110588

Ion Ratio Lower Upper

130 100

95 103.0 0.0 208.2





#45

1,2-Dichloropropane

Concen: 51.011 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011525

Tgt Ion: 63 Resp: 11383

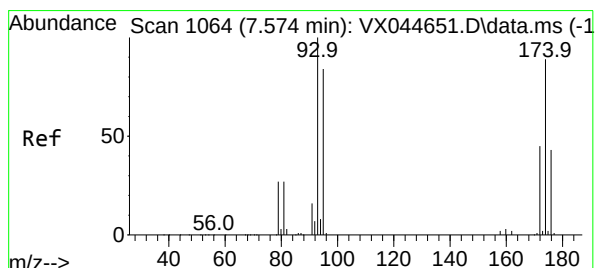
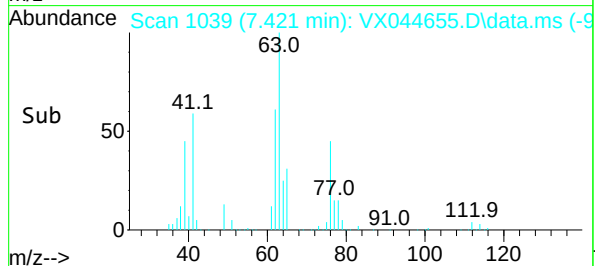
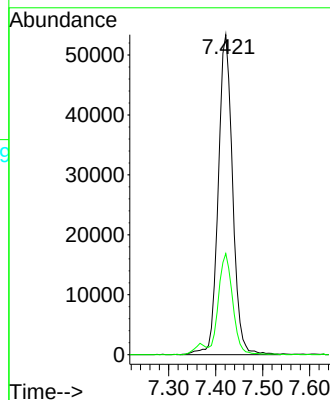
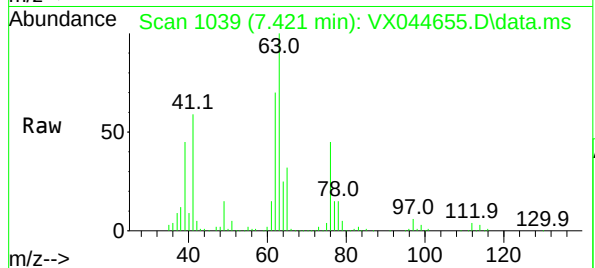
Ion Ratio Lower Upper

63 100

65 31.6 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

#46

Dibromomethane

Concen: 49.939 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

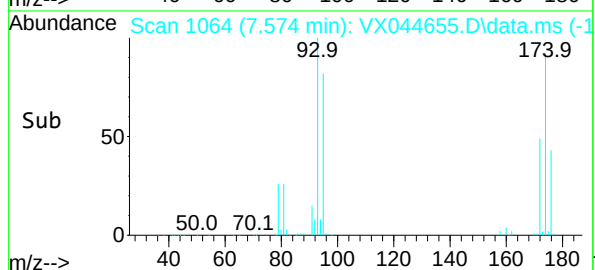
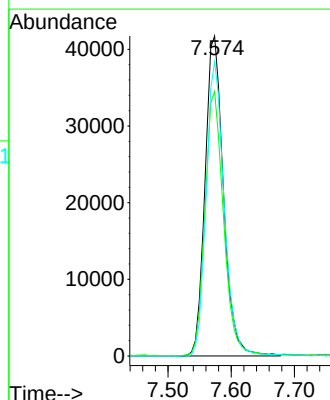
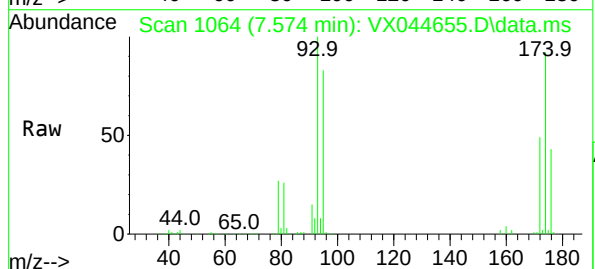
Tgt Ion: 93 Resp: 84838

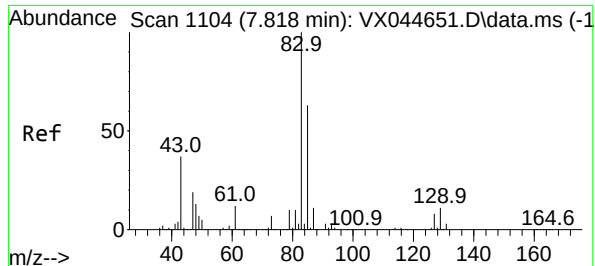
Ion Ratio Lower Upper

93 100

95 83.4 66.4 99.6

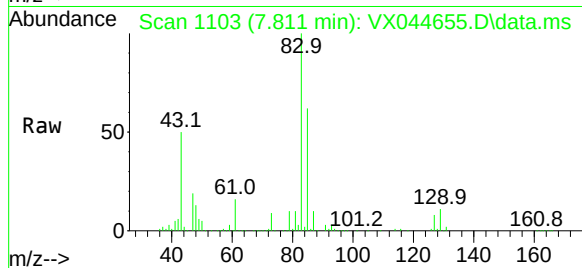
174 90.0 72.0 108.0





#47
Bromodichloromethane
Concen: 50.029 ug/l
RT: 7.811 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

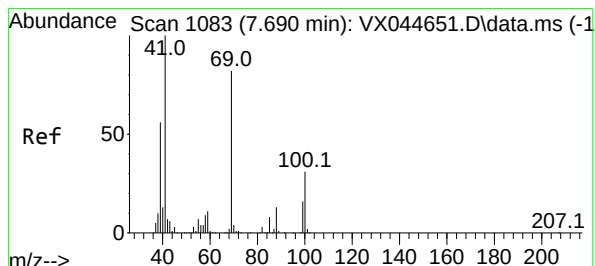
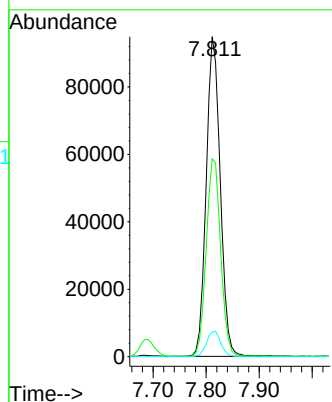
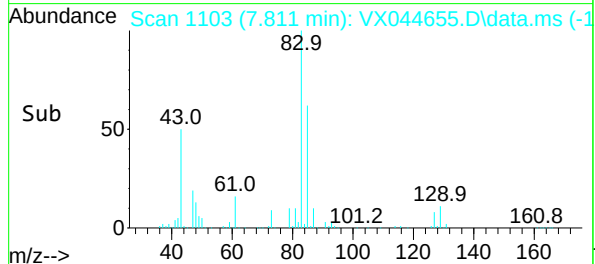
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



Tgt Ion: 83 Resp: 17429
Ion Ratio Lower Upper
83 100
85 61.7 50.1 75.1
127 7.7 6.5 9.7

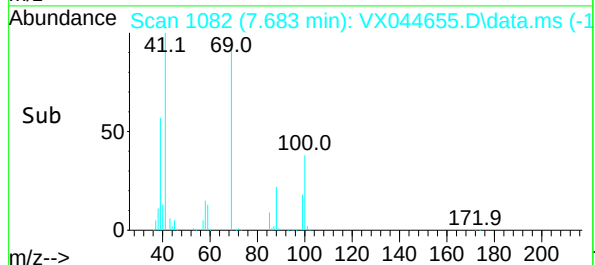
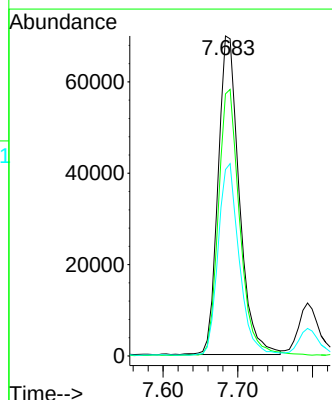
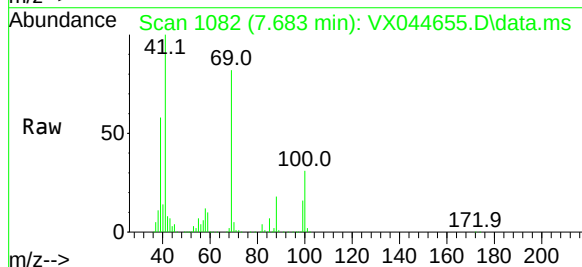
Manual Integrations
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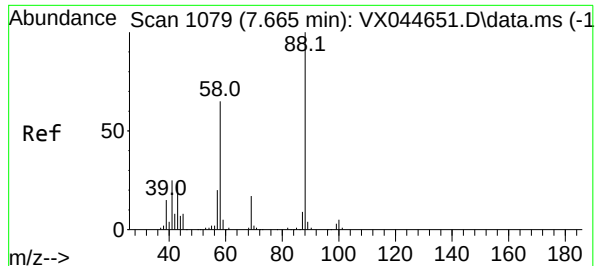
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#48
Methyl methacrylate
Concen: 52.890 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 41 Resp: 137603
Ion Ratio Lower Upper
41 100
69 84.2 66.8 100.2
39 59.6 47.4 71.0





#49

1,4-Dioxane

Concen: 992.095 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

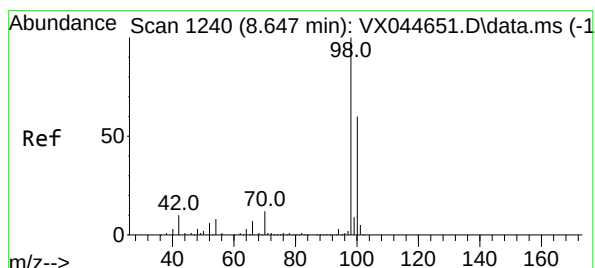
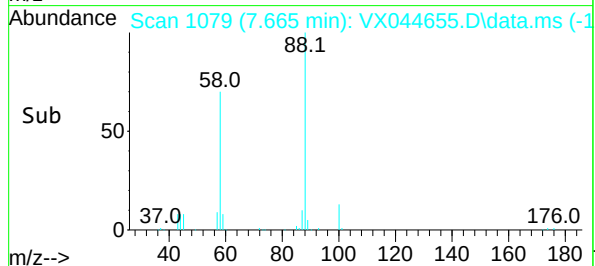
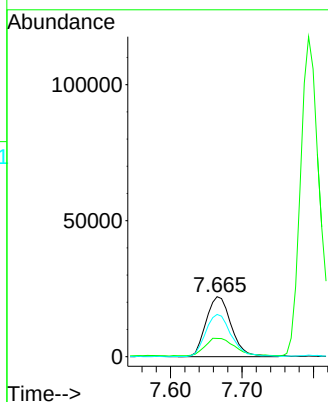
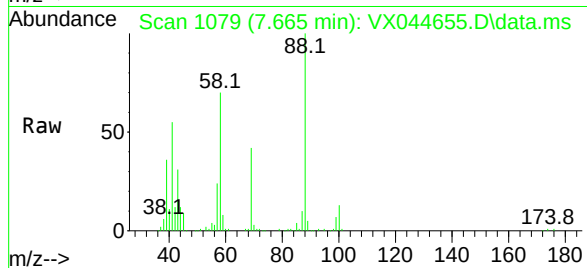
ICVVX011525

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.2	27.0	40.4
58	72.4	55.8	83.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#50

Toluene-d8

Concen: 53.113 ug/l

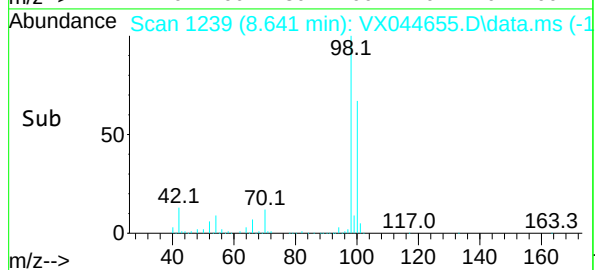
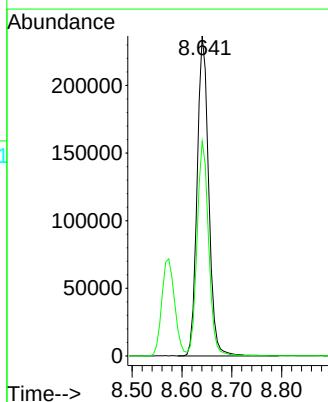
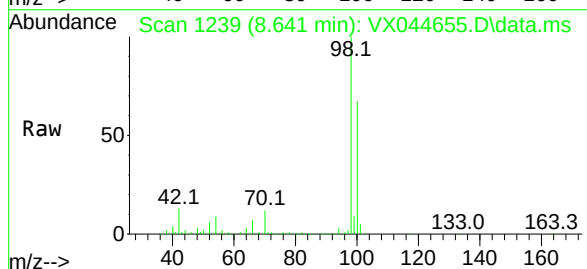
RT: 8.641 min Scan# 1239

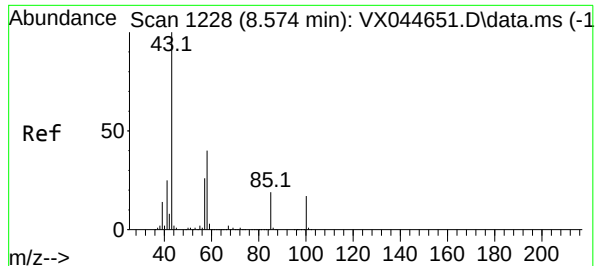
Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

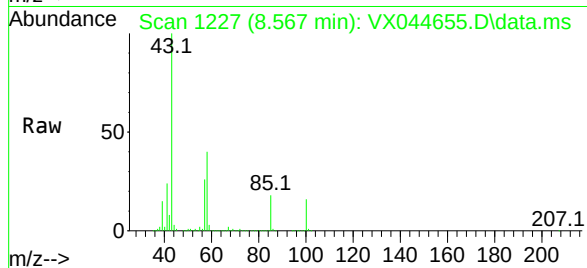
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.2	79.8





#51
4-Methyl-2-Pentanone
Concen: 251.778 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

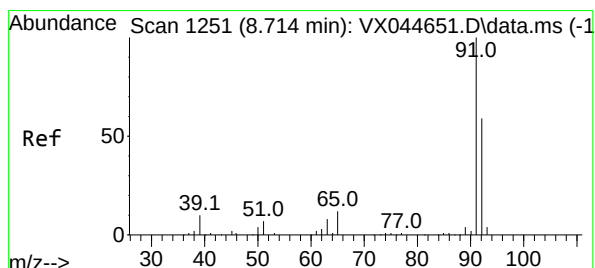
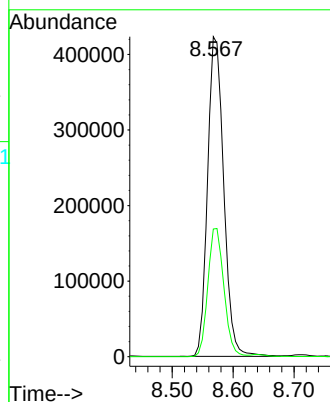
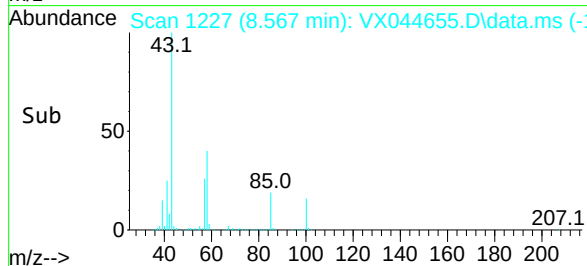
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



Tgt Ion: 43 Resp: 77985
Ion Ratio Lower Upper
43 100
58 39.9 31.9 47.9

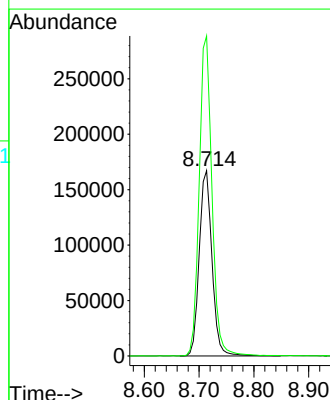
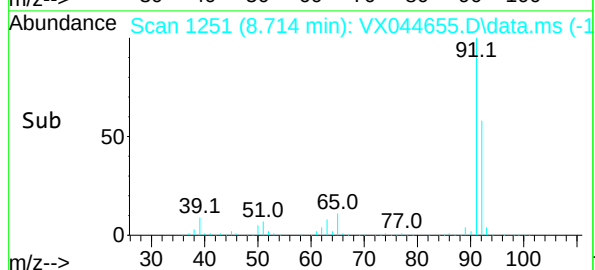
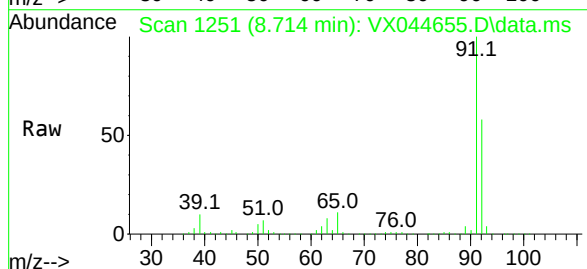
Manual Integrations
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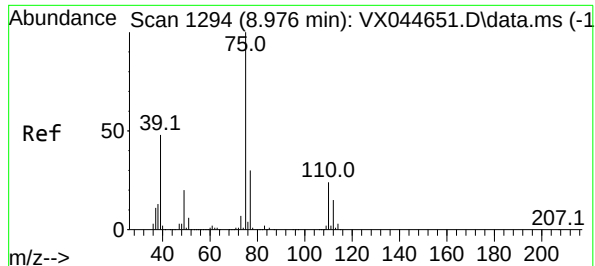
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#52
Toluene
Concen: 49.955 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 92 Resp: 271071
Ion Ratio Lower Upper
92 100
91 172.7 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 51.300 ug/l

RT: 8.970 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX011525

Tgt Ion: 75 Resp: 18465

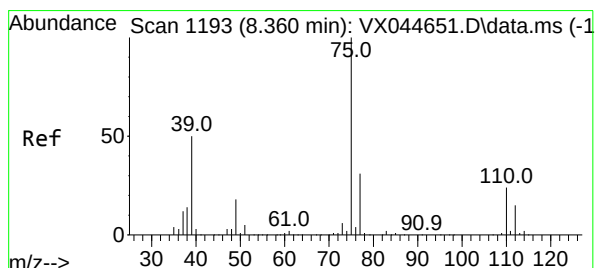
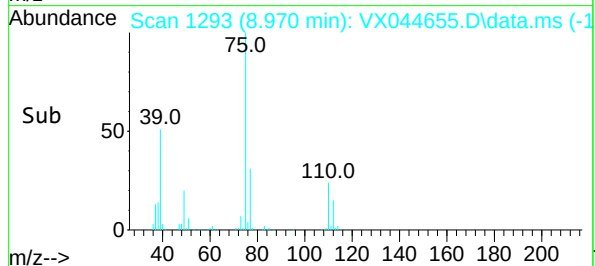
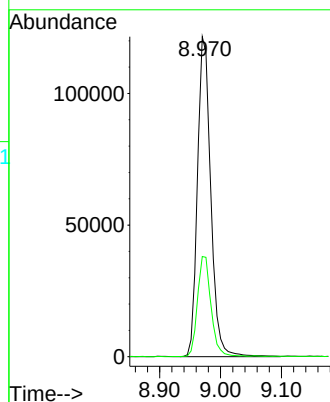
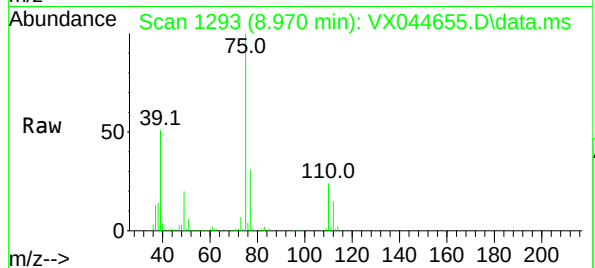
Ion Ratio Lower Upper

75 100

77 31.3 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

#54

cis-1,3-Dichloropropene

Concen: 51.049 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

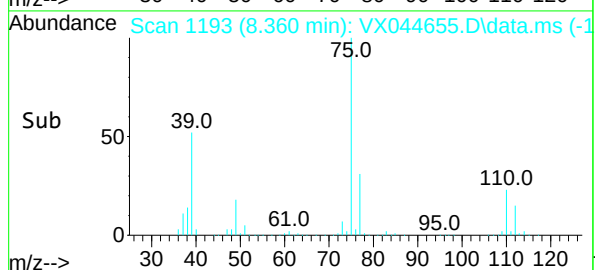
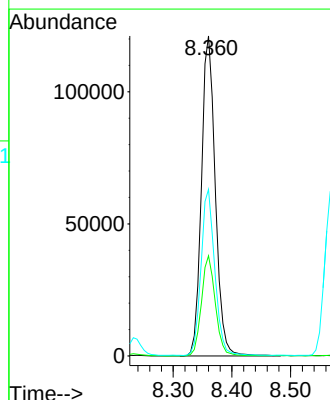
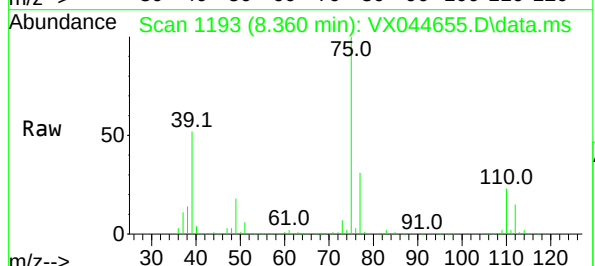
Tgt Ion: 75 Resp: 199240

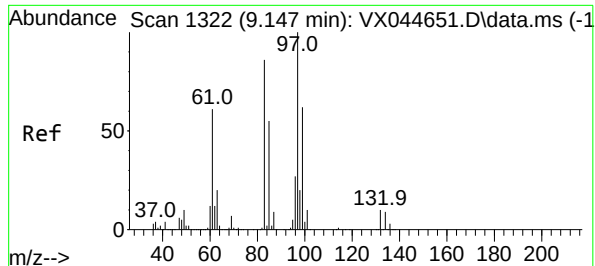
Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

39 51.9 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 50.085 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX011525

Tgt Ion: 97 Resp: 10995

Ion Ratio Lower Upper

97 100

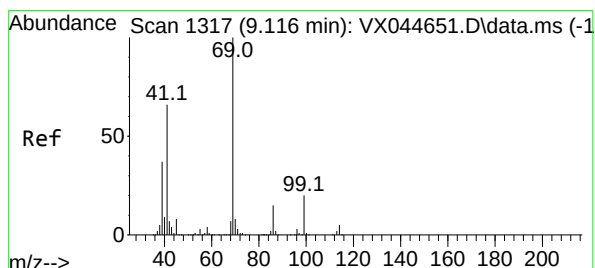
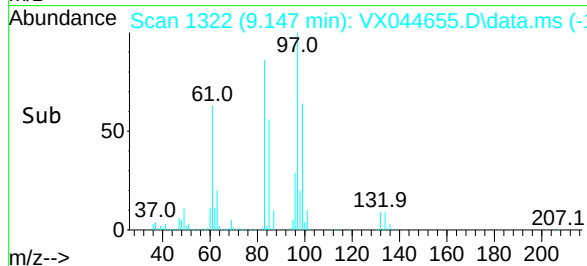
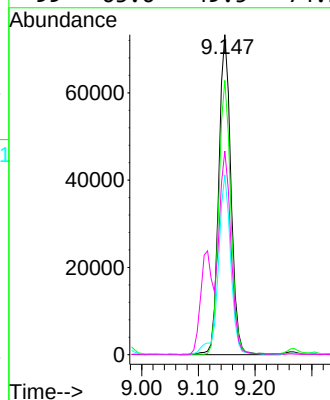
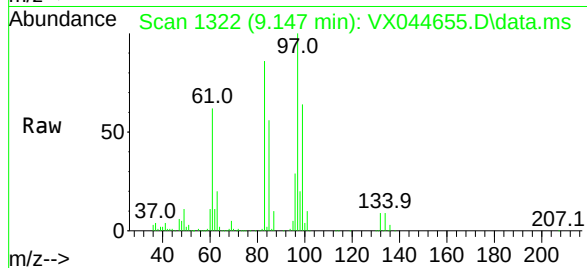
83 85.6 68.8 103.2

85 56.2 43.7 65.5

99 63.6 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

#56

Ethyl methacrylate

Concen: 50.595 ug/l

RT: 9.110 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

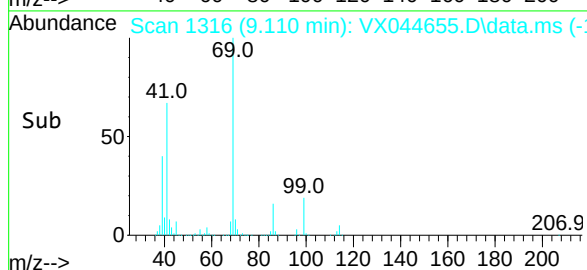
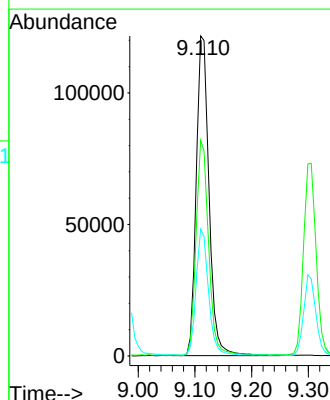
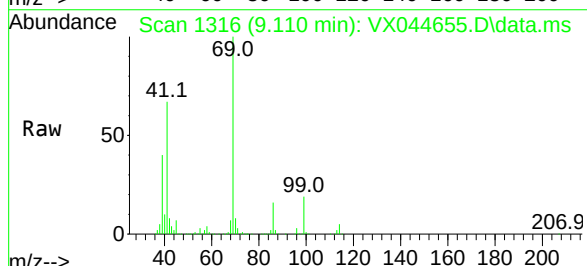
Tgt Ion: 69 Resp: 190986

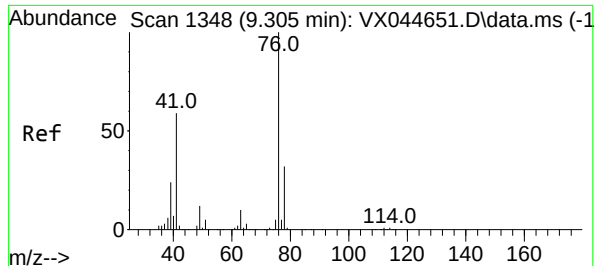
Ion Ratio Lower Upper

69 100

41 66.0 53.2 79.8

39 38.4 30.2 45.2





#57

1,3-Dichloropropane

Concen: 50.129 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX011525

Tgt Ion: 76 Resp: 18740

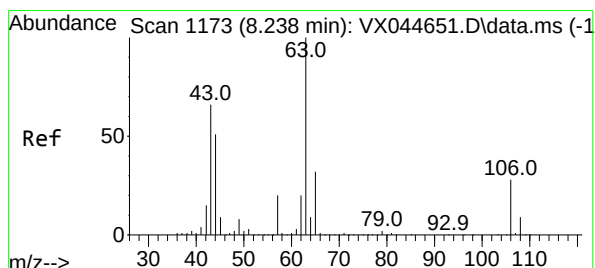
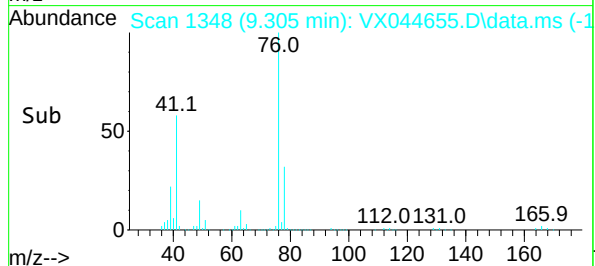
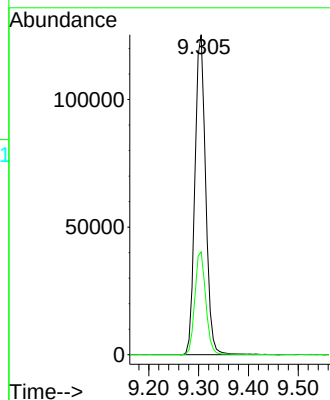
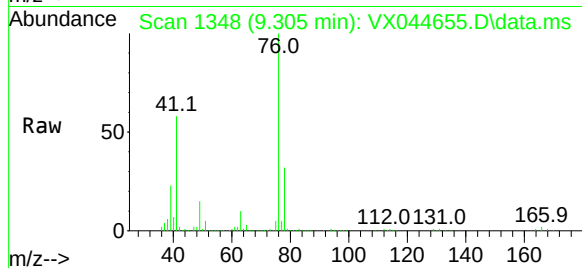
Ion Ratio Lower Upper

76 100

78 32.9 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

#58

2-Chloroethyl Vinyl ether

Concen: 251.852 ug/l

RT: 8.232 min Scan# 1172

Delta R.T. -0.006 min

Lab File: VX044655.D

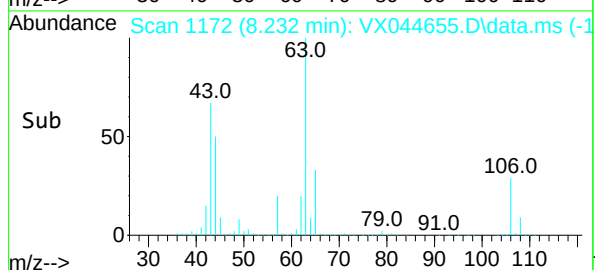
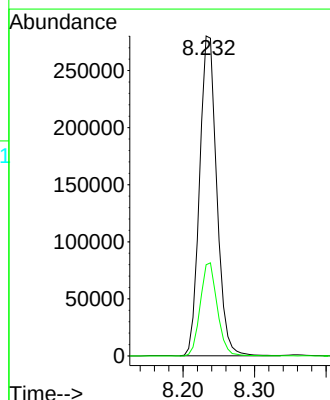
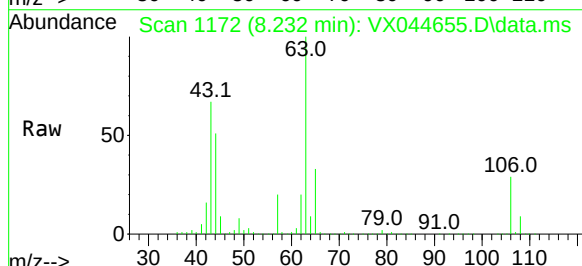
Acq: 15 Jan 2025 15:15

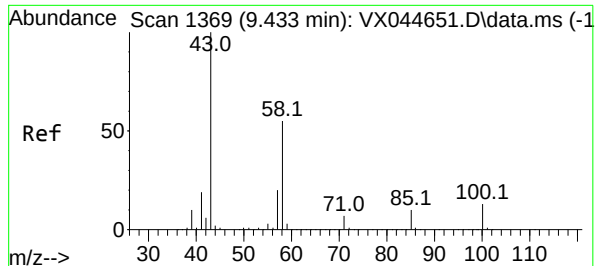
Tgt Ion: 63 Resp: 466737

Ion Ratio Lower Upper

63 100

106 28.9 23.0 34.6





#59

2-Hexanone

Concen: 253.010 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX011525

Tgt Ion: 43 Resp: 576549

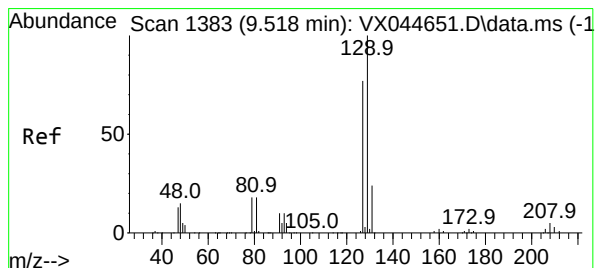
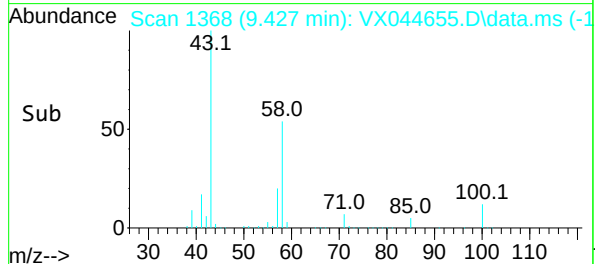
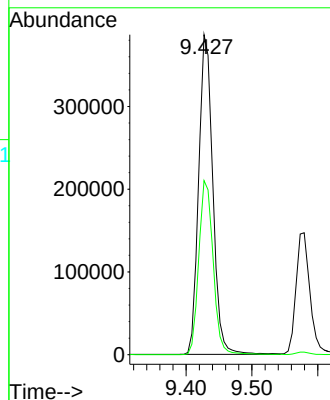
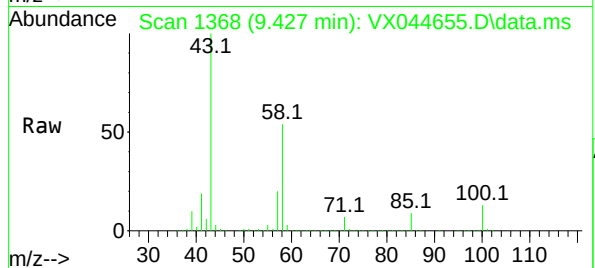
Ion Ratio Lower Upper

43 100

58 55.4 27.8 83.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

#60

Dibromochloromethane

Concen: 49.957 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044655.D

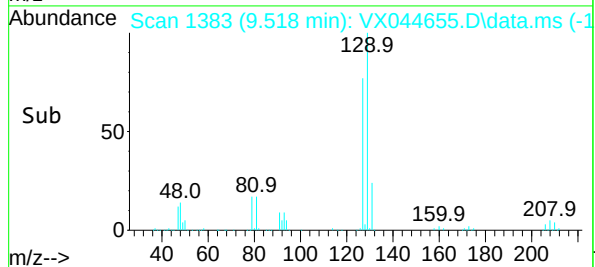
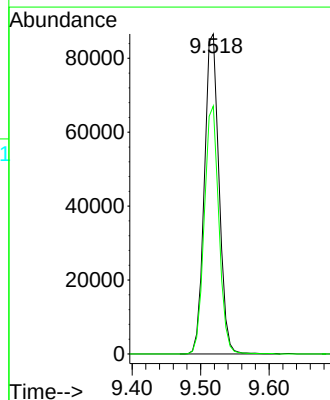
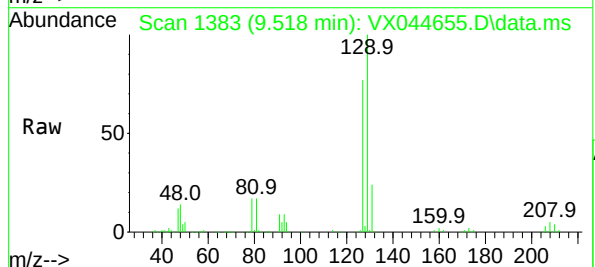
Acq: 15 Jan 2025 15:15

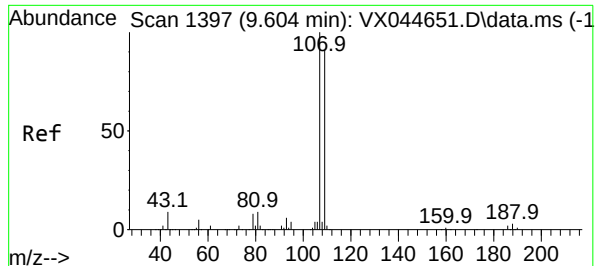
Tgt Ion:129 Resp: 128727

Ion Ratio Lower Upper

129 100

127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.693 ug/l

RT: 9.604 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX011525

Tgt Ion:107 Resp: 114330

Ion Ratio Lower Upper

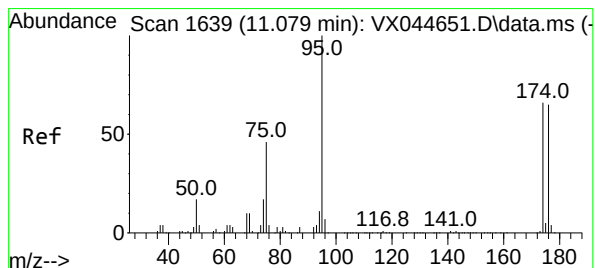
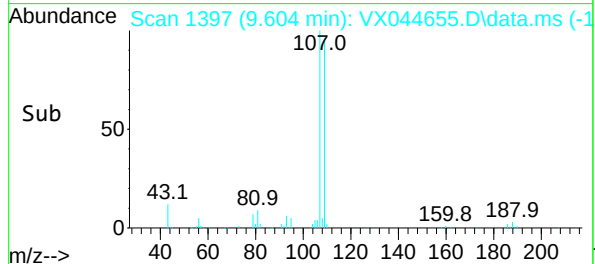
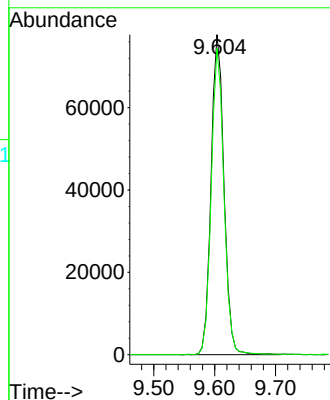
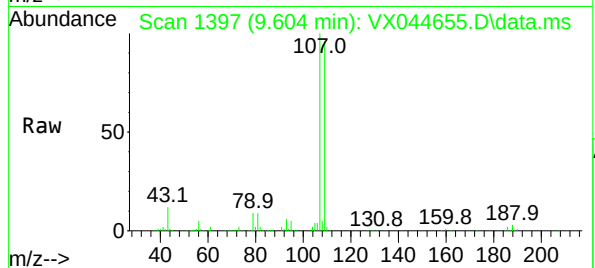
107 100

109 94.5 75.3 112.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#62

4-Bromofluorobenzene

Concen: 52.693 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

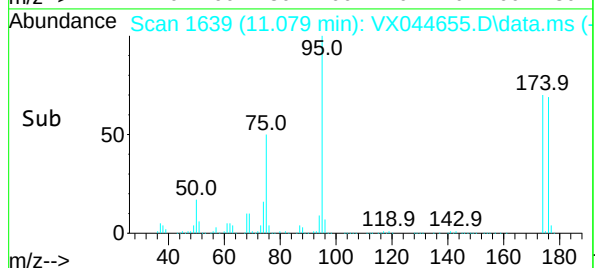
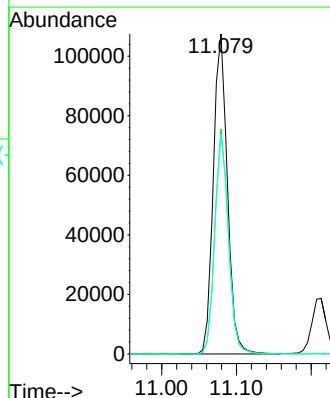
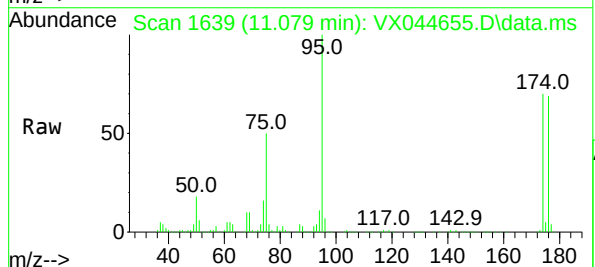
Tgt Ion: 95 Resp: 140770

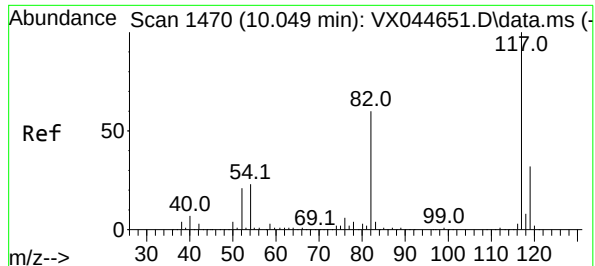
Ion Ratio Lower Upper

95 100

174 67.6 0.0 133.0

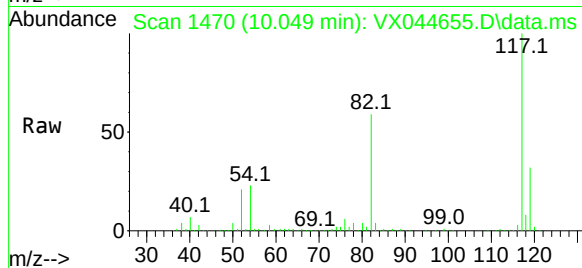
176 67.1 0.0 129.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

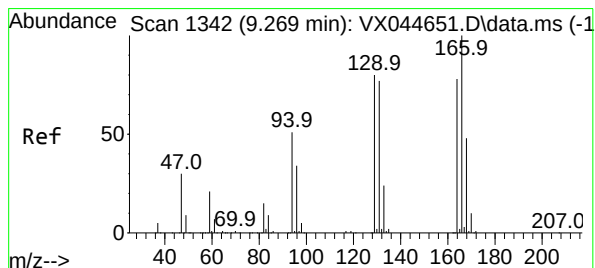
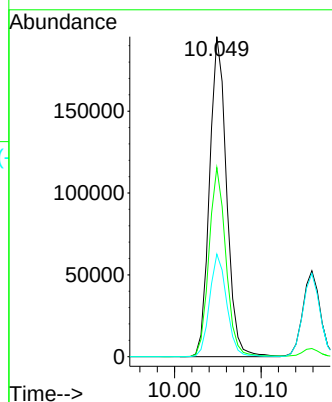
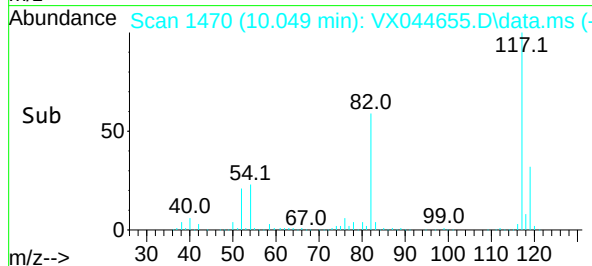
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



Tgt Ion:117 Resp: 266872
Ion Ratio Lower Upper
117 100
82 59.1 47.6 71.4
119 32.1 25.4 38.2

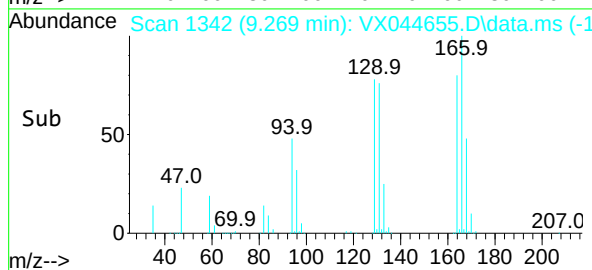
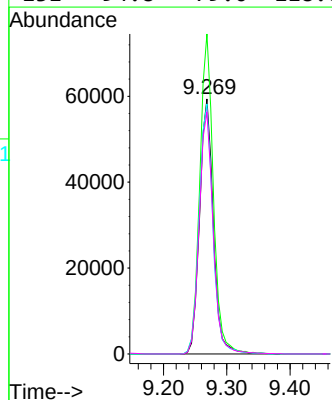
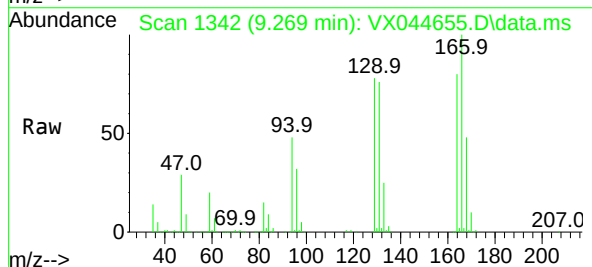
Manual Integrations
APPROVED

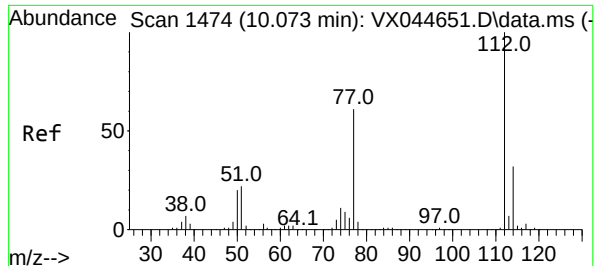
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#64
Tetrachloroethene
Concen: 53.384 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

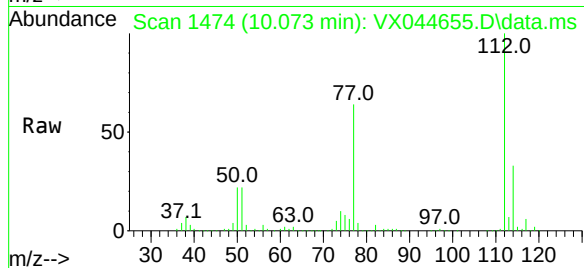
Tgt Ion:164 Resp: 89460
Ion Ratio Lower Upper
164 100
166 125.5 102.0 153.0
129 98.0 81.1 121.7
131 94.8 79.0 118.6





#65
Chlorobenzene
Concen: 50.667 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

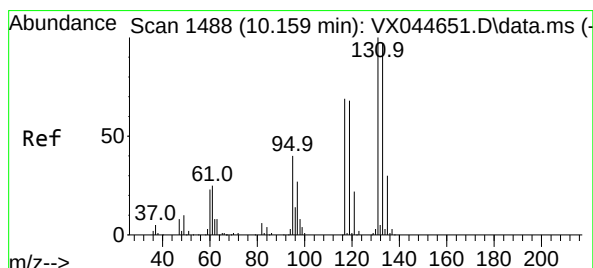
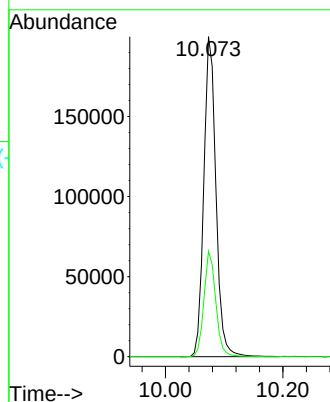
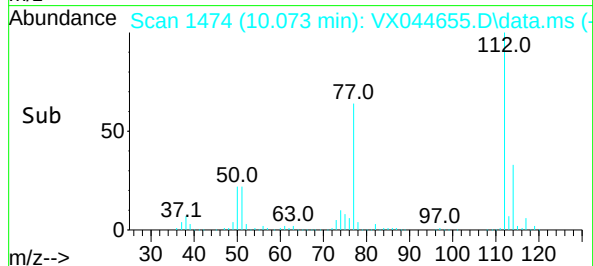
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



Tgt Ion:112 Resp: 28720
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9

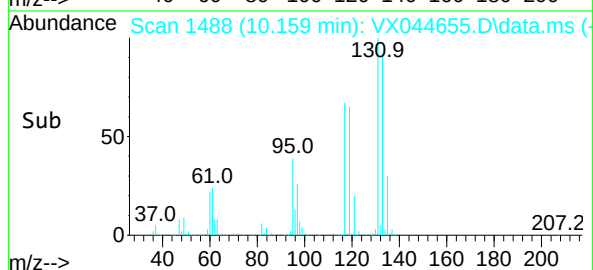
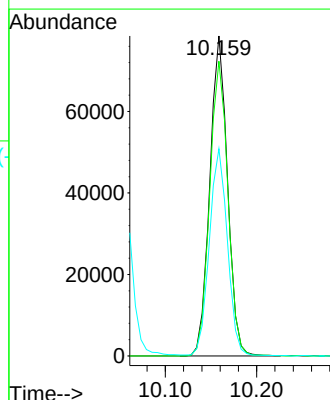
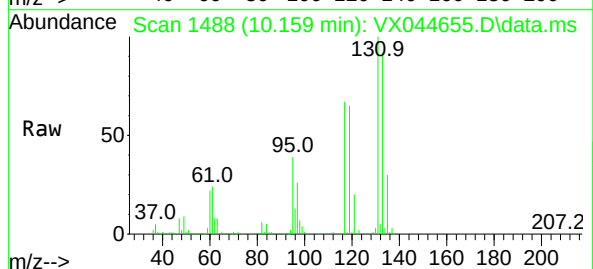
Manual Integrations
APPROVED

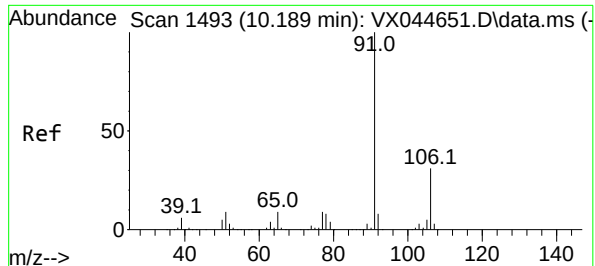
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 51.129 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:131 Resp: 105329
Ion Ratio Lower Upper
131 100
133 94.8 47.8 143.3
119 66.5 33.4 100.2





#67

Ethyl Benzene

Concen: 51.721 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX011525

Tgt Ion: 91 Resp: 511560

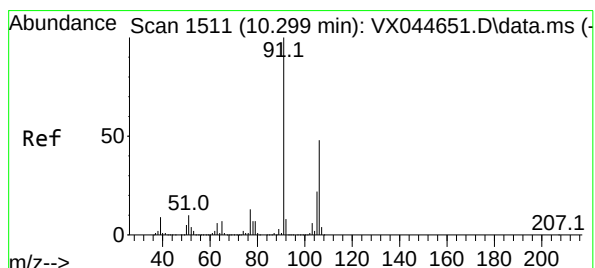
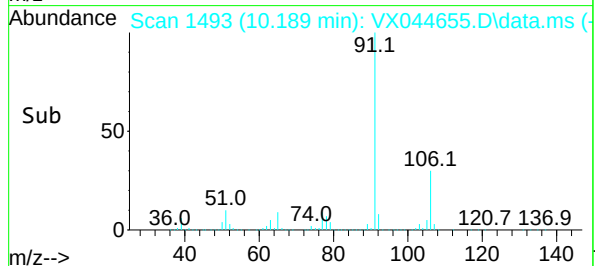
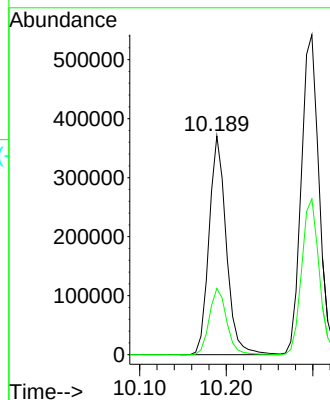
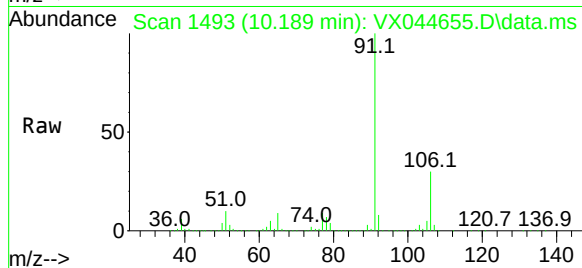
Ion Ratio Lower Upper

91 100

106 30.3 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

#68

m/p-Xylenes

Concen: 102.645 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044655.D

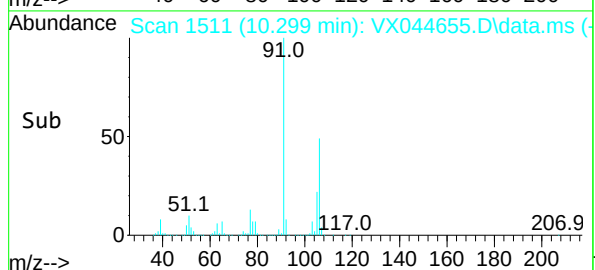
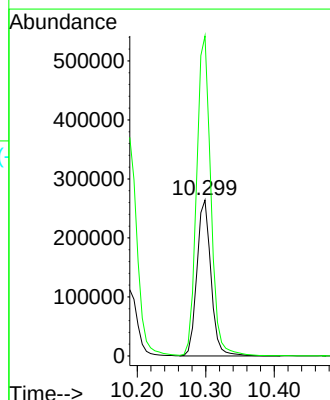
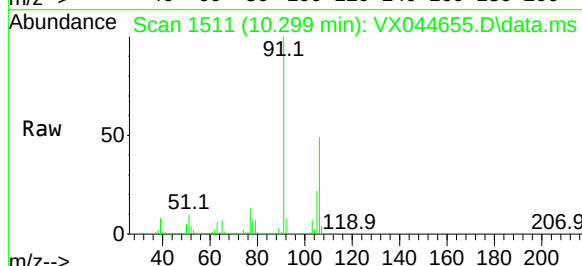
Acq: 15 Jan 2025 15:15

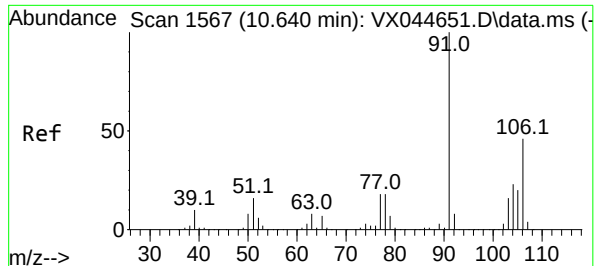
Tgt Ion:106 Resp: 376743

Ion Ratio Lower Upper

106 100

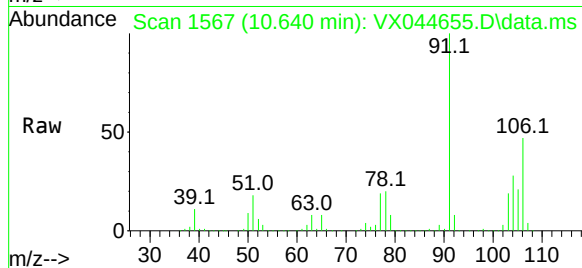
91 207.7 166.4 249.6





#69
o-Xylene
Concen: 50.378 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

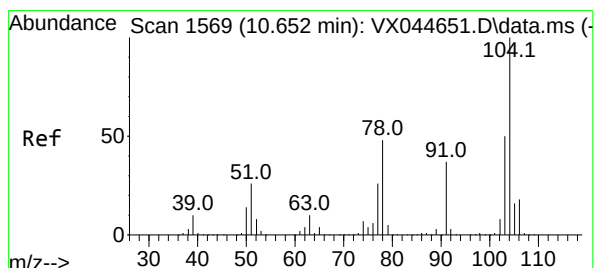
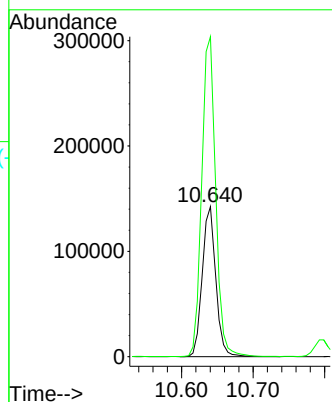
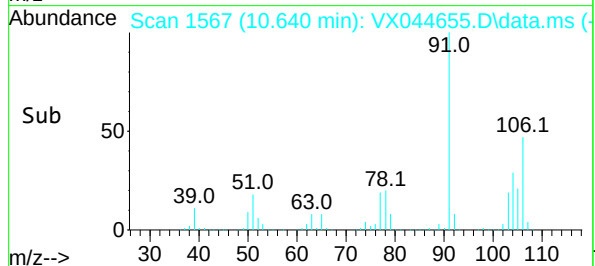
Instrument :
MSVOA_X
ClientSampleId :
ICVX011525



Tgt Ion:106 Resp: 18699
Ion Ratio Lower Upper
106 100
91 219.3 108.7 326.3

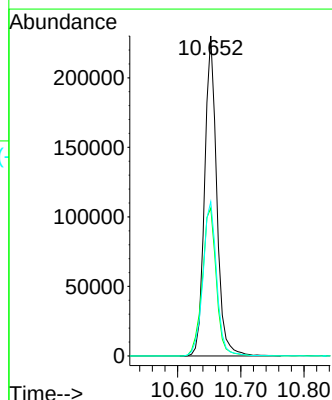
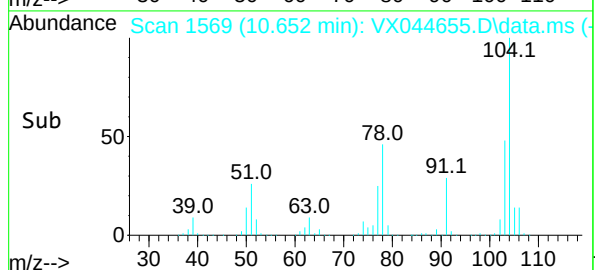
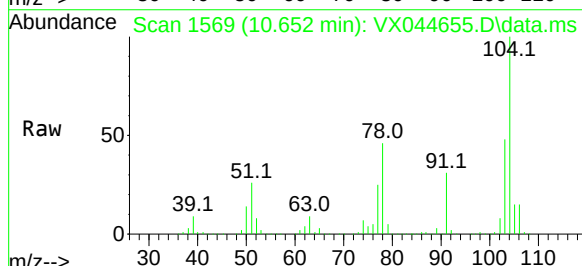
Manual Integrations
APPROVED

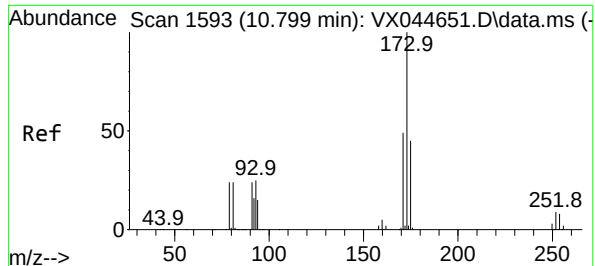
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#70
Styrene
Concen: 51.398 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

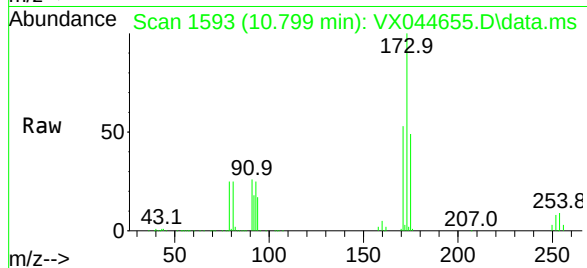
Tgt Ion:104 Resp: 308018
Ion Ratio Lower Upper
104 100
78 53.4 43.0 64.6
103 54.4 43.4 65.2





#71
Bromoform
Concen: 51.597 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

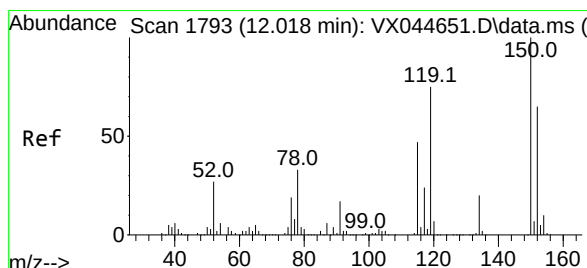
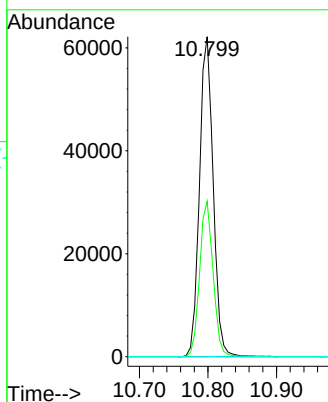
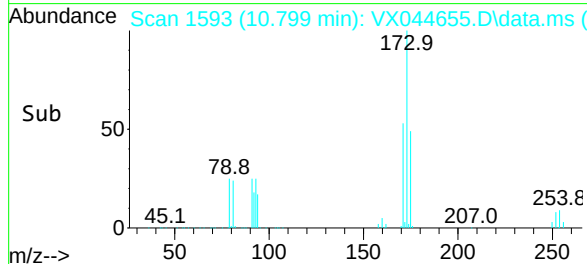
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



Tgt Ion:173 Resp: 86512
Ion Ratio Lower Upper
173 100
175 47.9 23.6 70.8
254 0.0 0.1 0.1

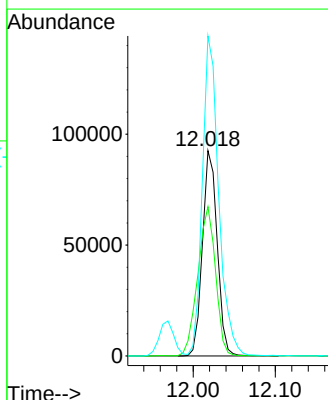
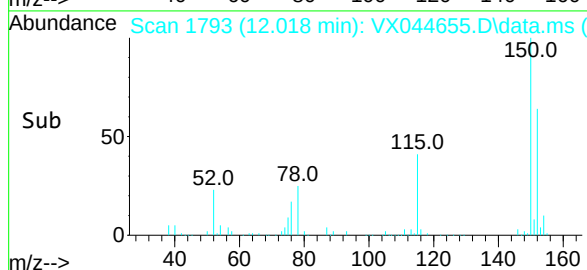
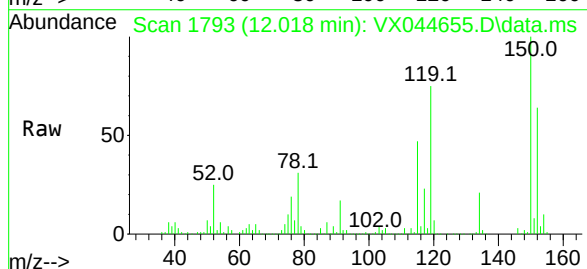
Manual Integrations
APPROVED

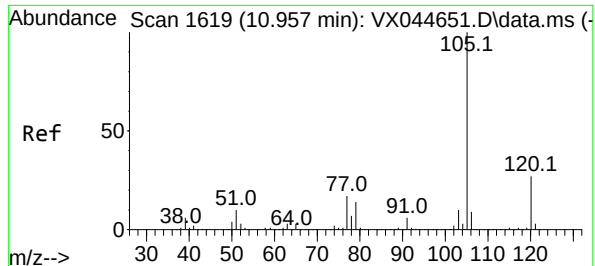
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

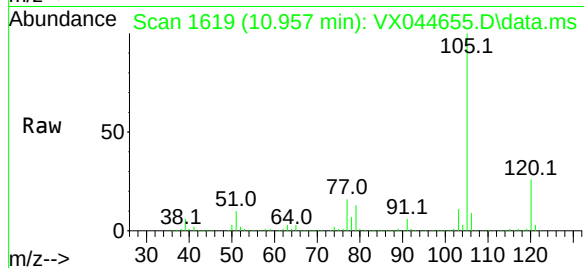
Tgt Ion:152 Resp: 115489
Ion Ratio Lower Upper
152 100
115 87.0 43.8 131.4
150 171.8 0.0 347.8





#73
Isopropylbenzene
Concen: 50.246 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

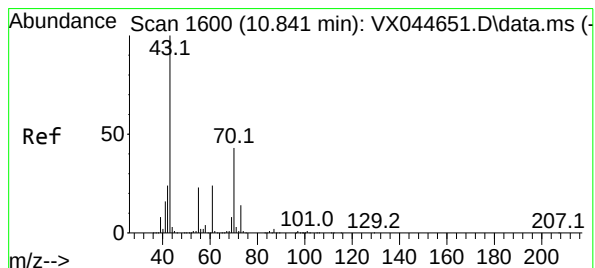
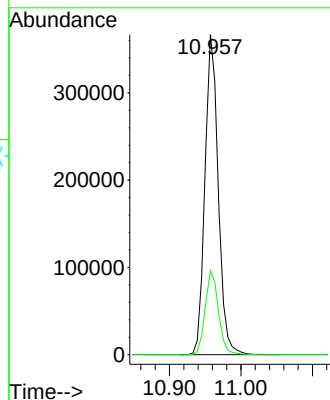
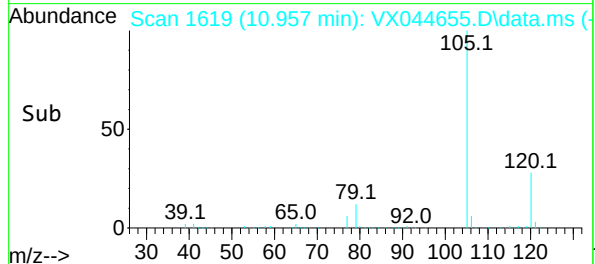
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



Tgt Ion:105 Resp: 47405
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.6

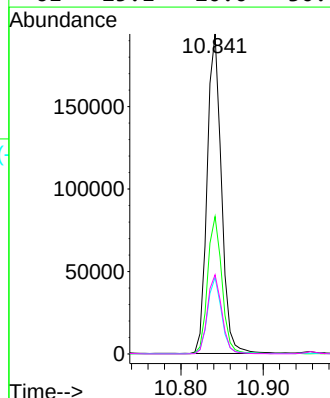
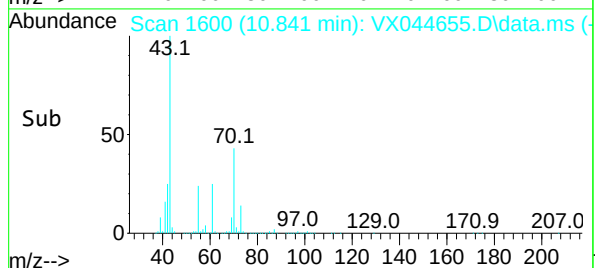
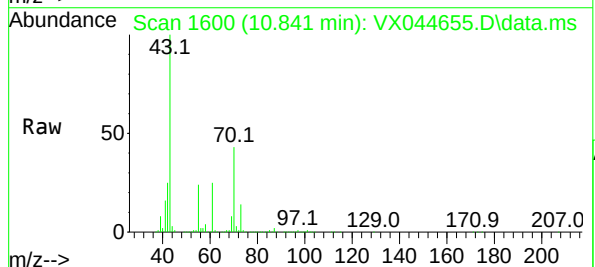
Manual Integrations
APPROVED

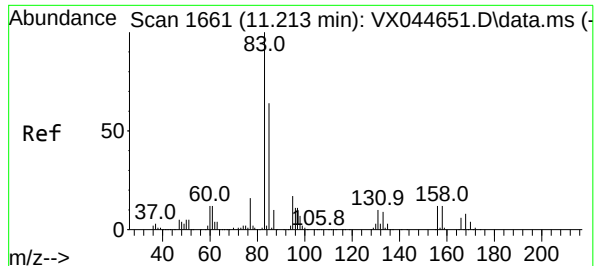
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#74
N-ethyl acetate
Concen: 50.177 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

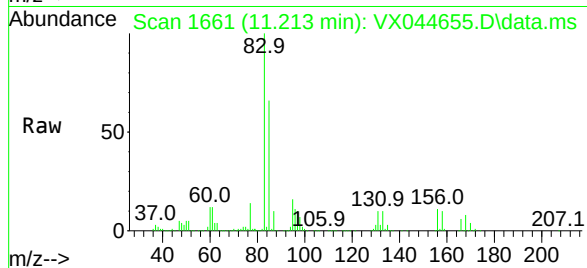
Tgt Ion: 43 Resp: 233338
Ion Ratio Lower Upper
43 100
70 43.2 35.2 52.8
55 23.6 19.0 28.4
61 25.1 20.0 30.0





#75
1,1,2,2-Tetrachloroethane
Concen: 49.002 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

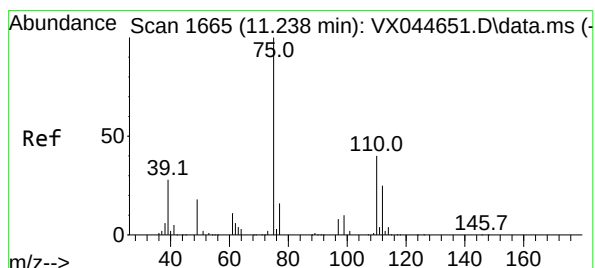
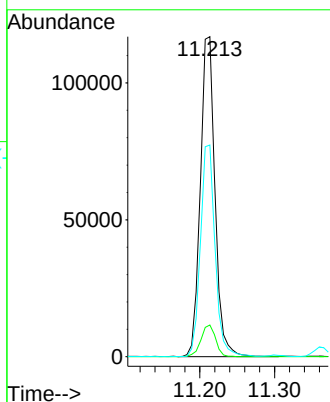
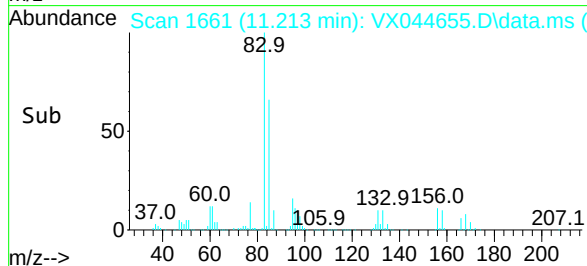
Instrument :
MSVOA_X
ClientSampleId :
ICVX011525



Tgt Ion: 83 Resp: 15967
Ion Ratio Lower Upper
83 100
131 9.9 5.0 14.9
85 66.2 32.0 96.2

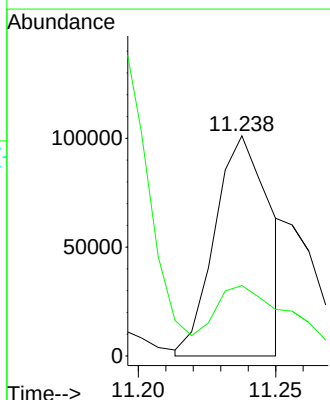
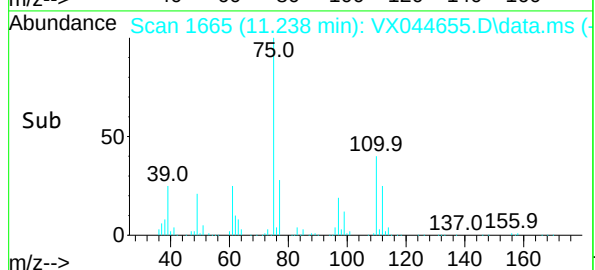
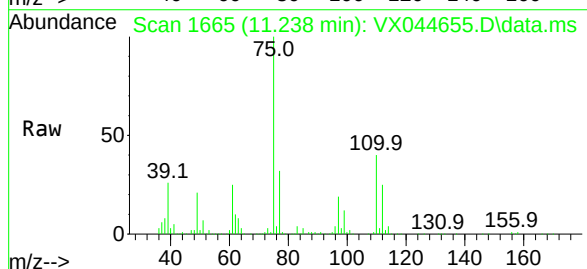
Manual Integrations
APPROVED

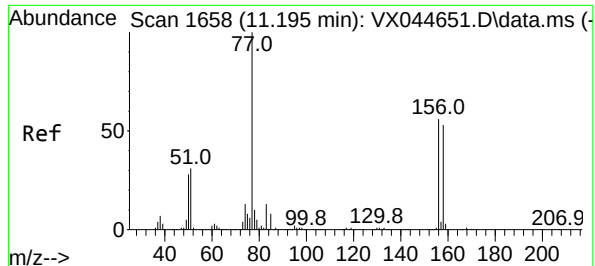
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#76
1,2,3-Trichloropropane
Concen: 50.004 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

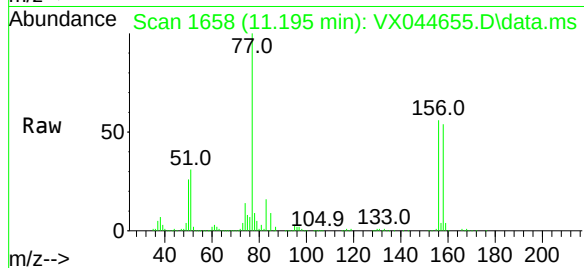
Tgt Ion: 75 Resp: 140149
Ion Ratio Lower Upper
75 100
77 44.9 23.4 70.2





#77
Bromobenzene
Concen: 49.506 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

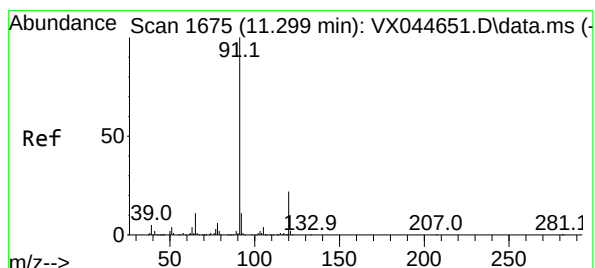
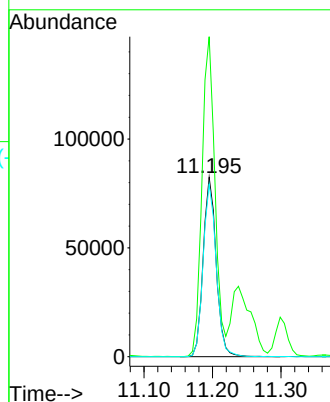
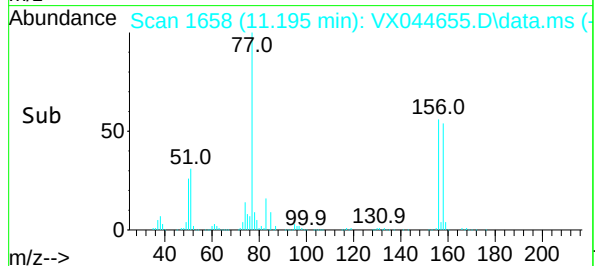
Instrument :
MSVOA_X
ClientSampleId :
ICVX011525



Tgt Ion:156 Resp: 10917
Ion Ratio Lower Upper
156 100
77 178.2 90.3 271.0
158 97.0 48.4 145.3

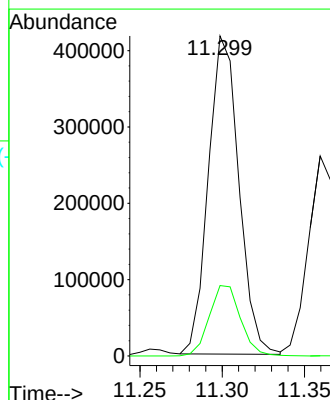
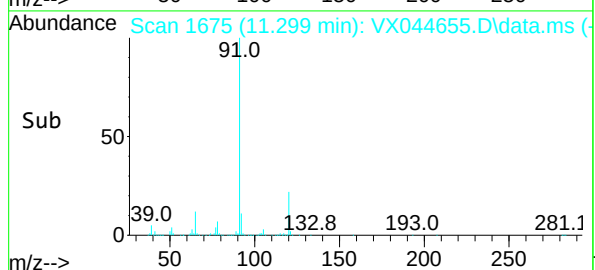
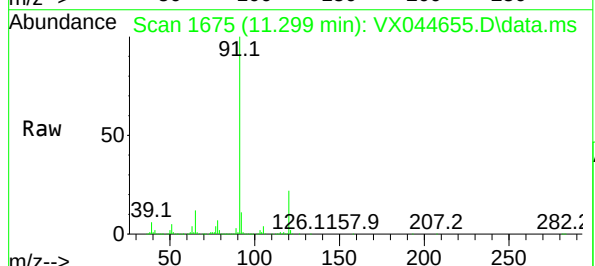
Manual Integrations
APPROVED

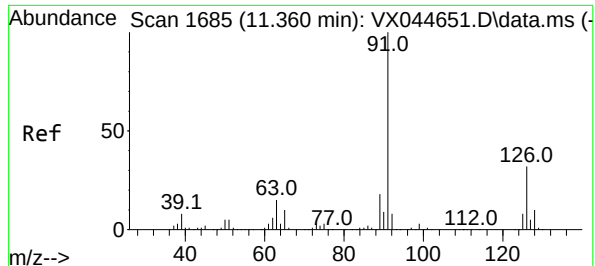
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#78
n-propylbenzene
Concen: 51.712 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 91 Resp: 538048
Ion Ratio Lower Upper
91 100
120 22.7 11.4 34.1





#79

2-Chlorotoluene

Concen: 49.678 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011525

Tgt Ion: 91 Resp: 33389

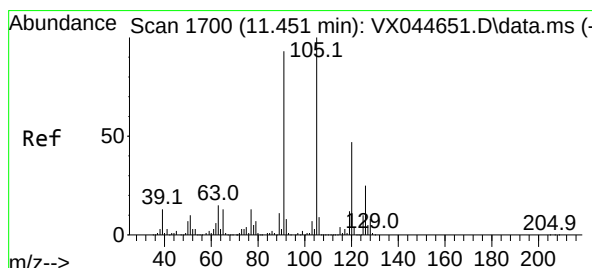
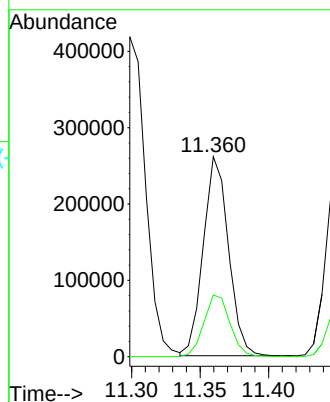
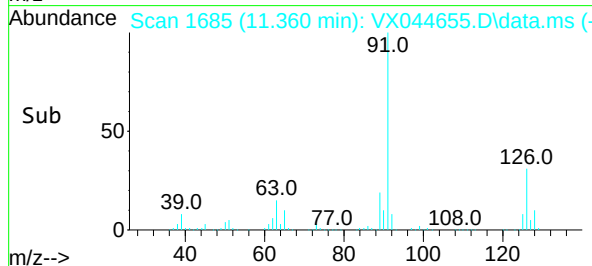
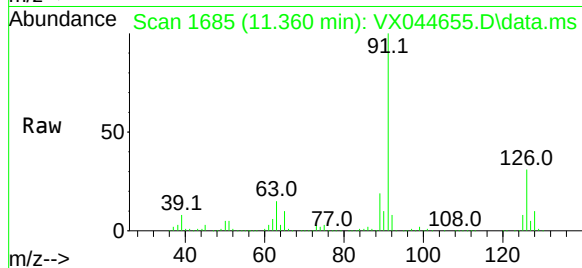
Ion Ratio Lower Upper

91 100

126 32.3 16.2 48.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

#80

1,3,5-Trimethylbenzene

Concen: 49.852 ug/l

RT: 11.445 min Scan# 1699

Delta R.T. -0.006 min

Lab File: VX044655.D

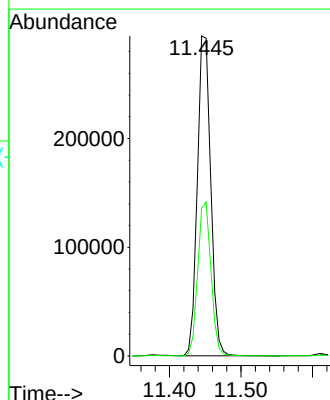
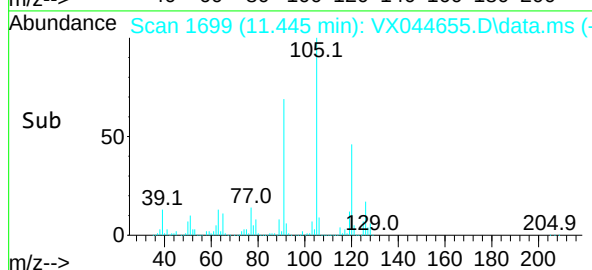
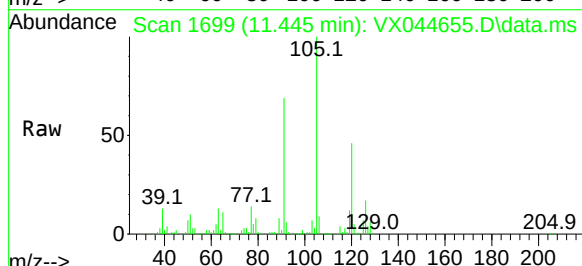
Acq: 15 Jan 2025 15:15

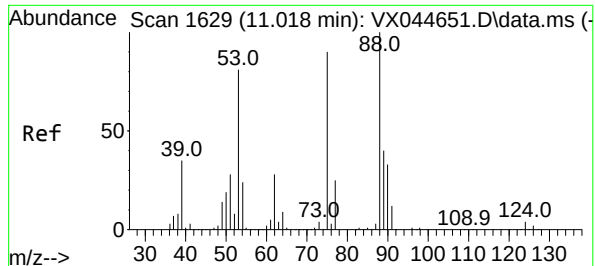
Tgt Ion:105 Resp: 382880

Ion Ratio Lower Upper

105 100

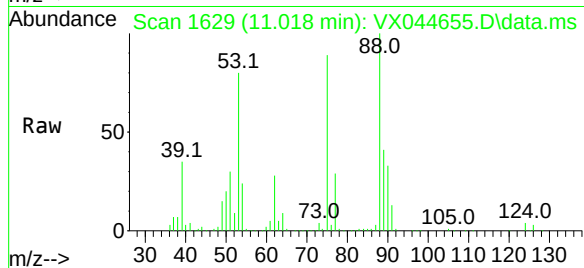
120 47.6 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 51.981 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

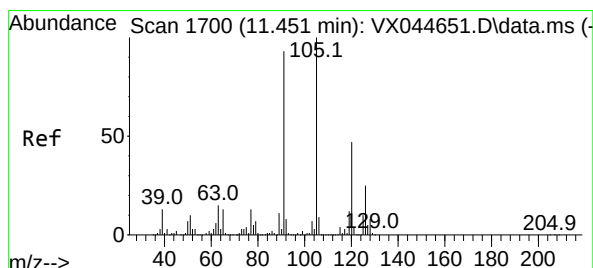
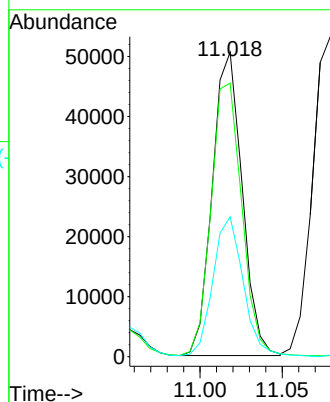
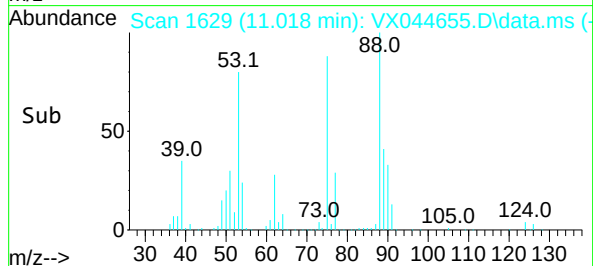
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



Tgt Ion: 75 Resp: 63708
Ion Ratio Lower Upper
75 100
53 93.1 74.3 111.5
89 47.1 37.4 56.0

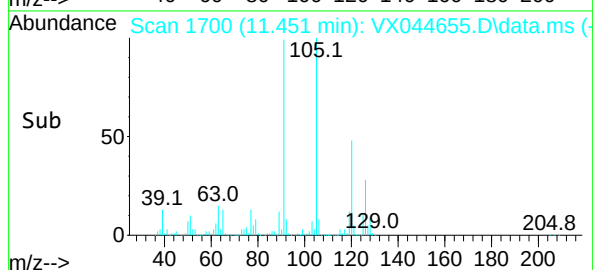
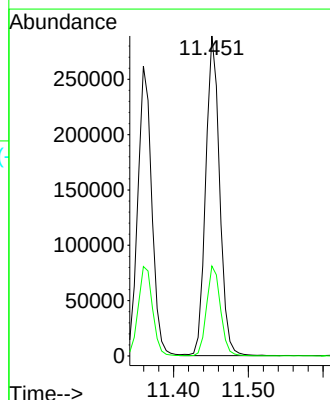
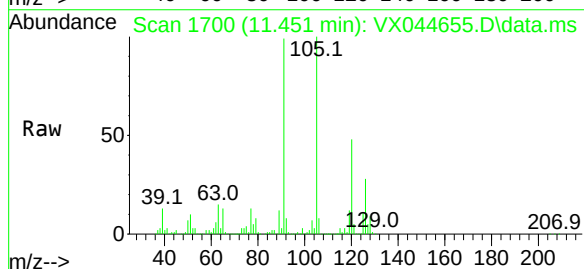
Manual Integrations
APPROVED

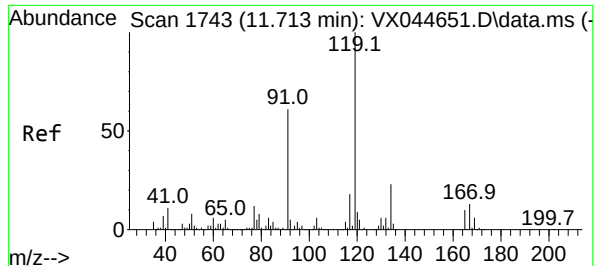
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#82
4-Chlorotoluene
Concen: 50.750 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

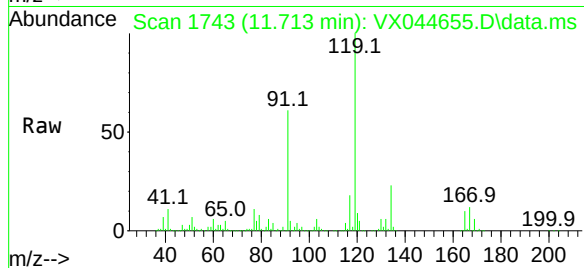
Tgt Ion: 91 Resp: 373655
Ion Ratio Lower Upper
91 100
126 28.1 13.9 41.7





#83
tert-Butylbenzene
Concen: 49.459 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

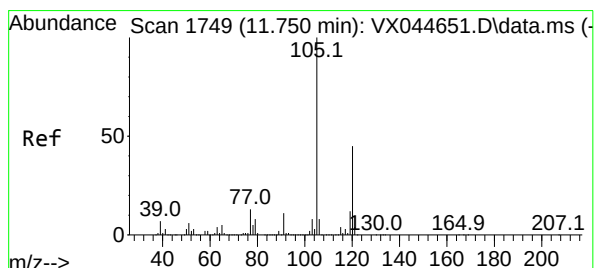
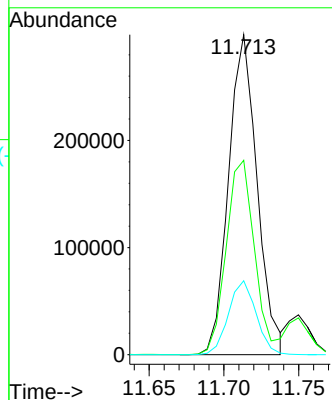
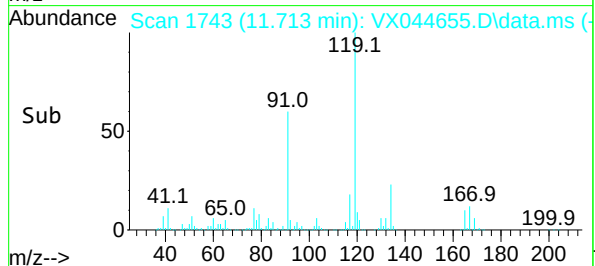
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



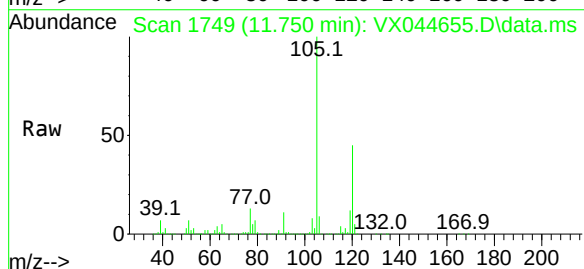
Tgt Ion:119 Resp: 39719
Ion Ratio Lower Upper
119 100
91 60.8 30.0 90.0
134 22.4 11.2 33.5

Manual Integrations
APPROVED

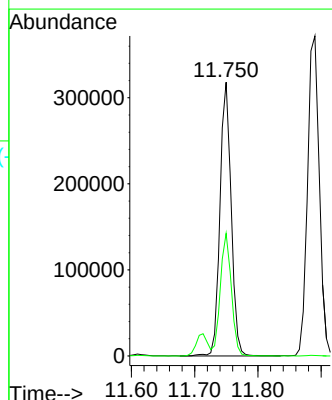
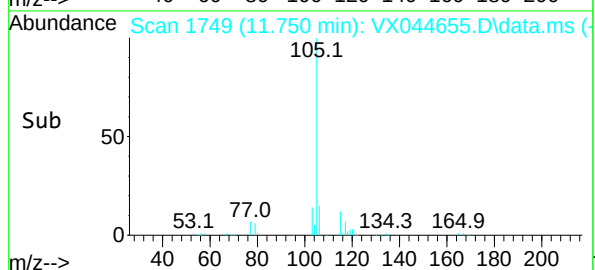
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

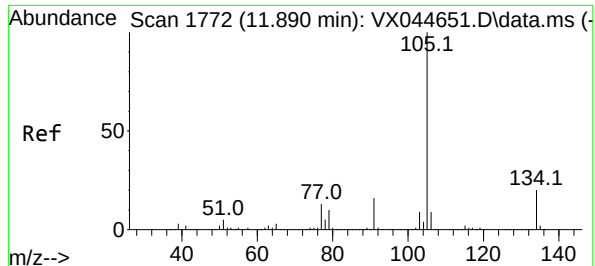


#84
1,2,4-Trimethylbenzene
Concen: 49.714 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15



Tgt Ion:105 Resp: 388010
Ion Ratio Lower Upper
105 100
120 44.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 51.076 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011525

Tgt Ion:105 Resp: 47759

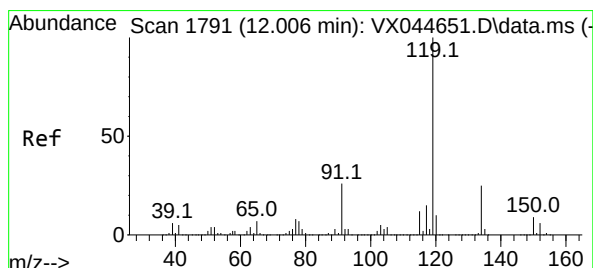
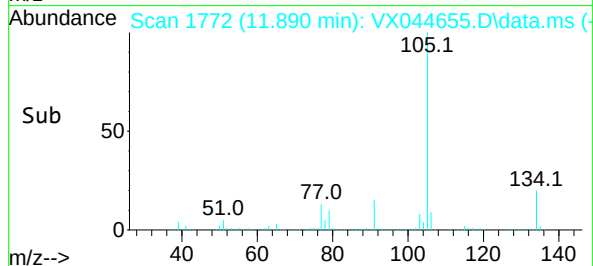
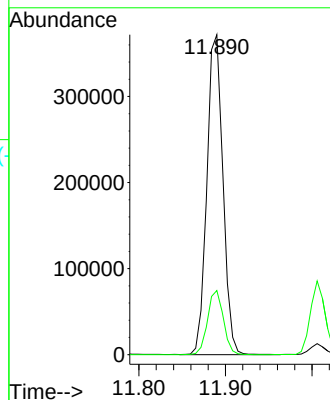
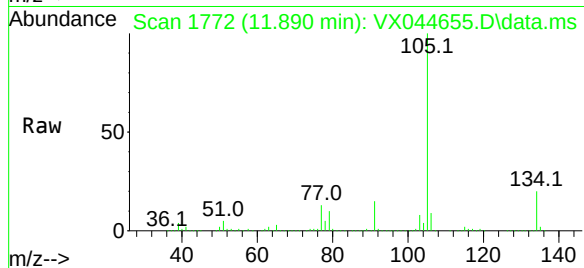
Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

#86

p-Isopropyltoluene

Concen: 51.028 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

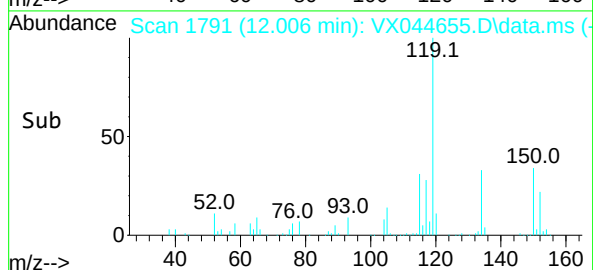
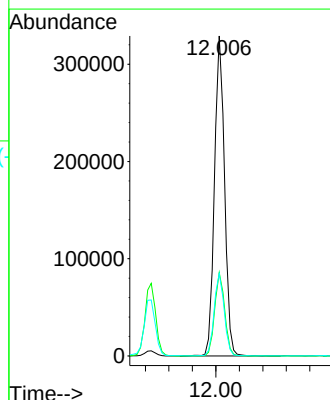
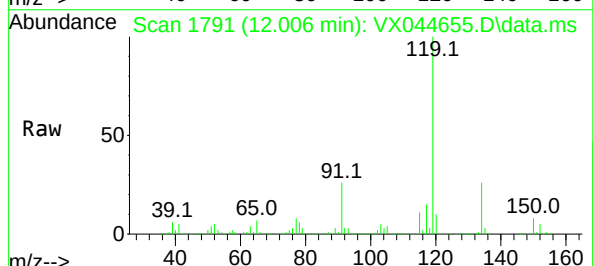
Tgt Ion:119 Resp: 392123

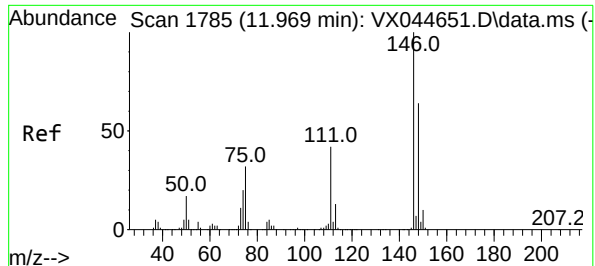
Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

91 25.6 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 51.476 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX011525

Tgt Ion:146 Resp: 196862

Ion Ratio Lower Upper

146 100

111 43.4 21.9 65.7

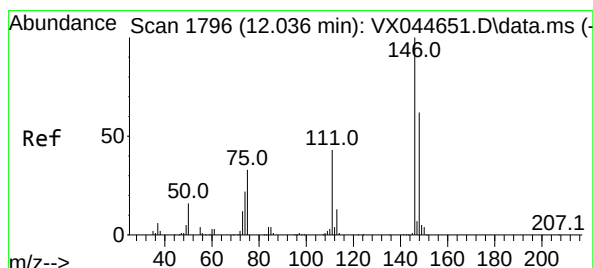
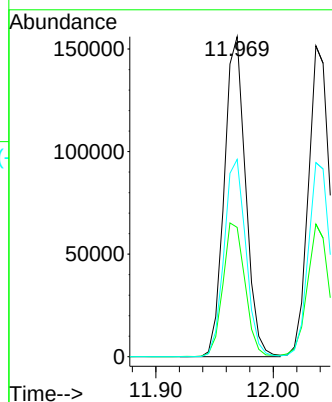
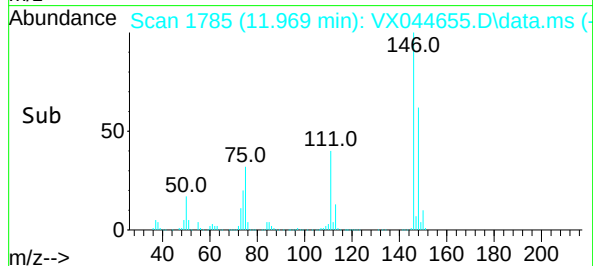
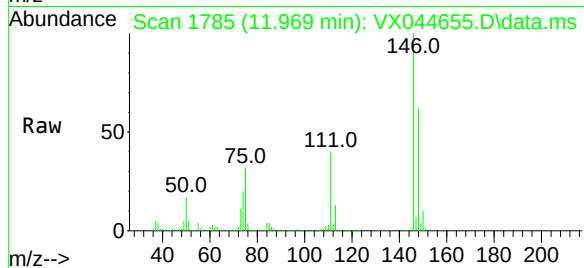
148 62.9 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#88

1,4-Dichlorobenzene

Concen: 50.011 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

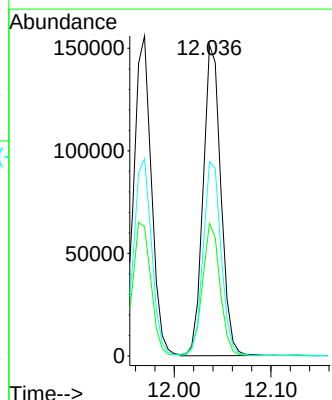
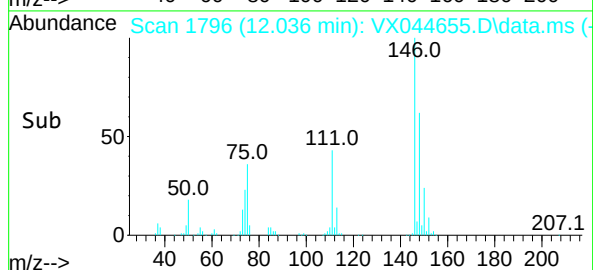
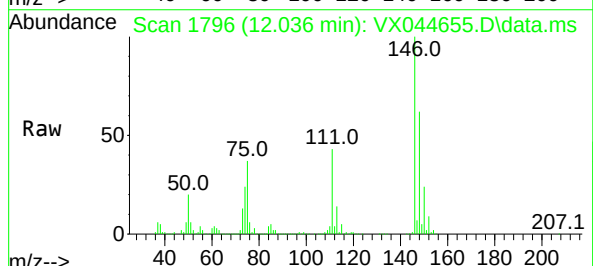
Tgt Ion:146 Resp: 193343

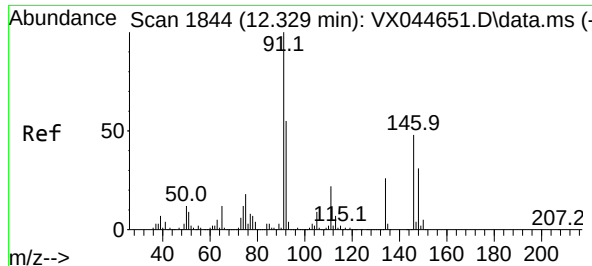
Ion Ratio Lower Upper

146 100

111 42.3 21.5 64.5

148 63.7 32.1 96.5





#89

n-Butylbenzene

Concen: 53.136 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

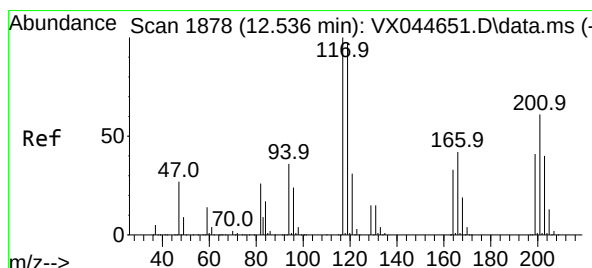
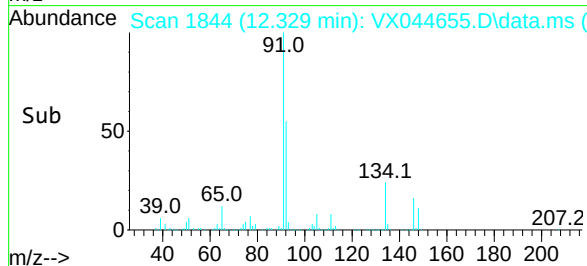
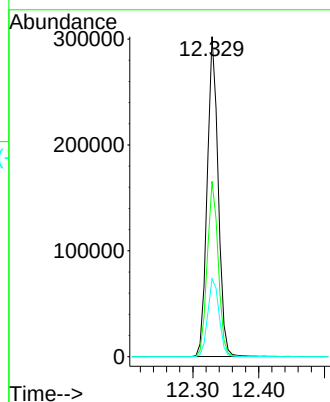
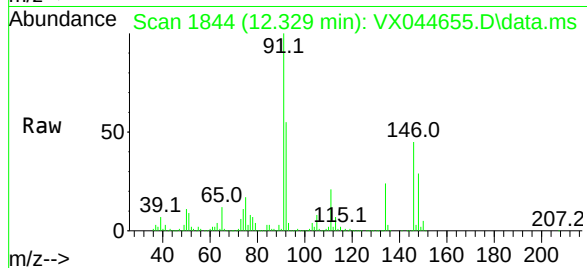
ICVX011525

Tgt Ion:	91	Resp:	350704
Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.4	82.0
134	25.1	12.8	38.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#90

Hexachloroethane

Concen: 48.518 ug/l

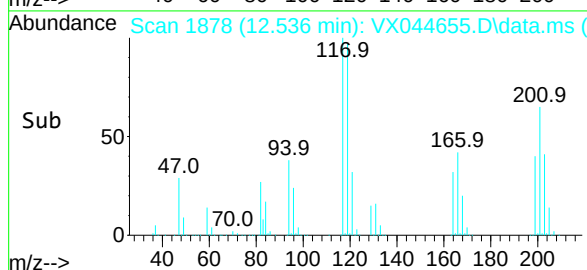
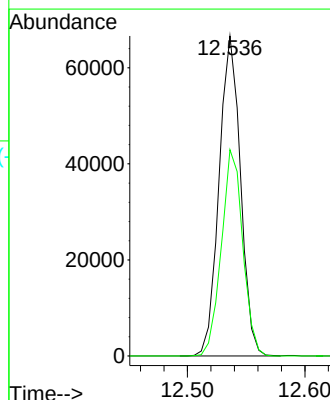
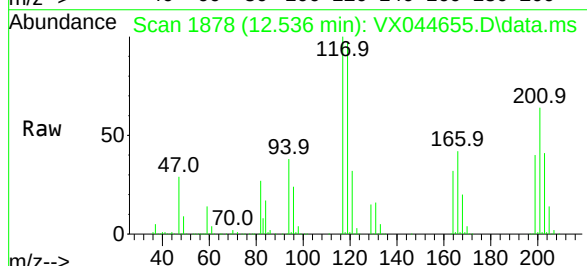
RT: 12.536 min Scan# 1878

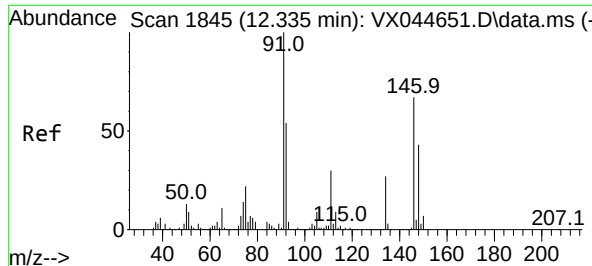
Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

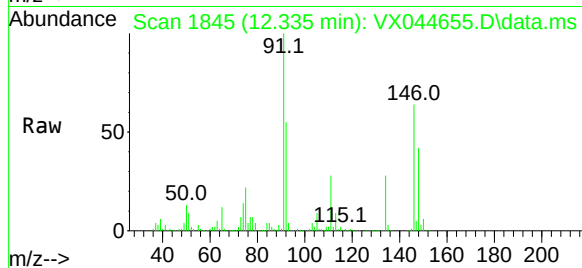
Tgt Ion:	117	Resp:	84427
Ion	Ratio	Lower	Upper
117	100		
201	64.4	32.3	96.8





#91
1,2-Dichlorobenzene
Concen: 49.430 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

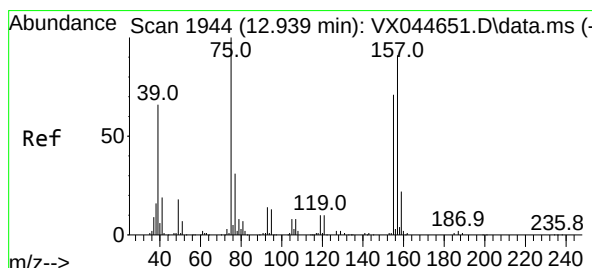
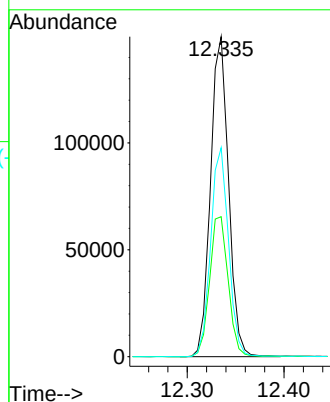
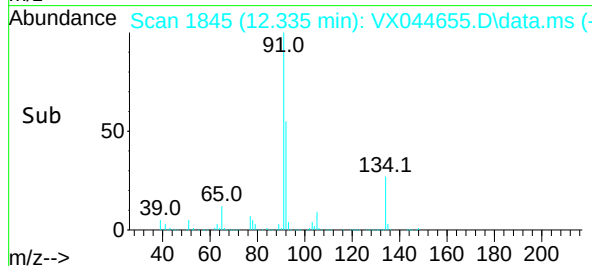
Instrument :
MSVOA_X
ClientSampleId :
ICVX011525



Tgt Ion:146 Resp: 194138
Ion Ratio Lower Upper
146 100
111 45.4 22.4 67.2
148 64.9 31.6 94.8

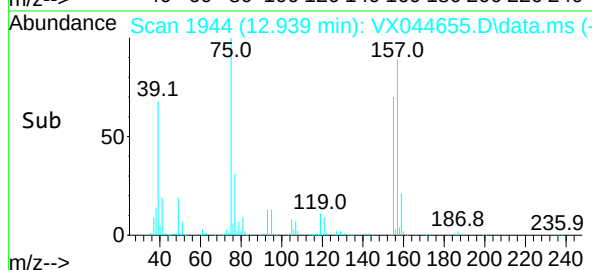
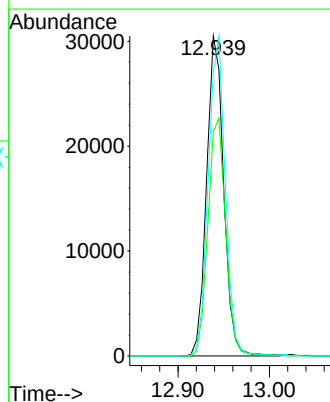
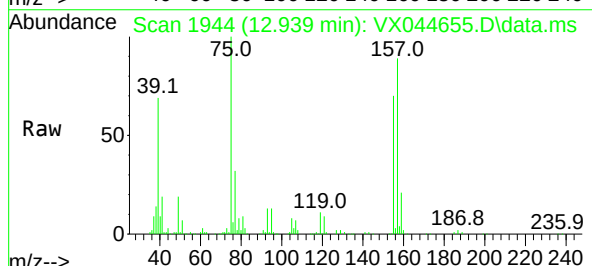
Manual Integrations
APPROVED

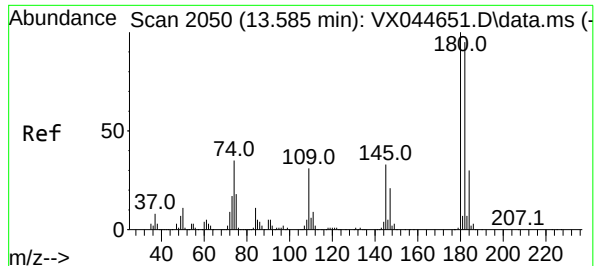
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 49.672 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 75 Resp: 39583
Ion Ratio Lower Upper
75 100
155 76.9 39.0 116.9
157 99.4 49.9 149.7





#93

1,2,4-Trichlorobenzene

Concen: 53.362 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX011525

Tgt Ion:180 Resp: 125280

Ion Ratio Lower Upper

180 100

182 94.5 47.4 142.2

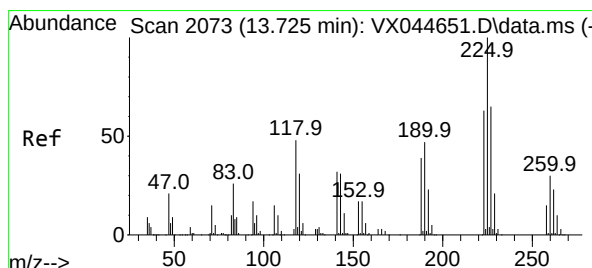
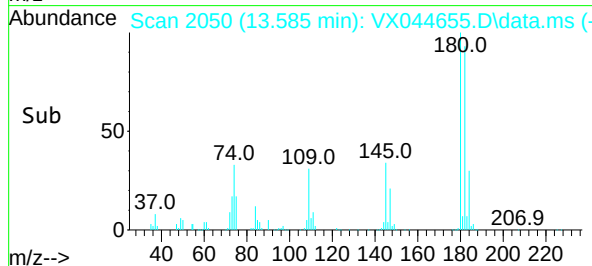
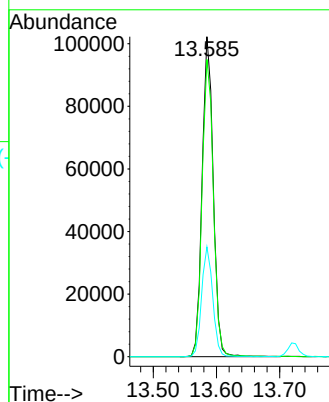
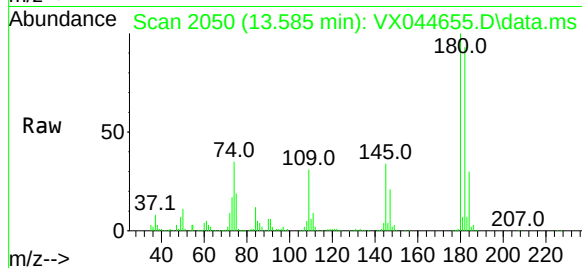
145 34.3 16.7 50.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025

Supervised By :Semsettin Yesilyurt 01/16/2025



#94

Hexachlorobutadiene

Concen: 52.807 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

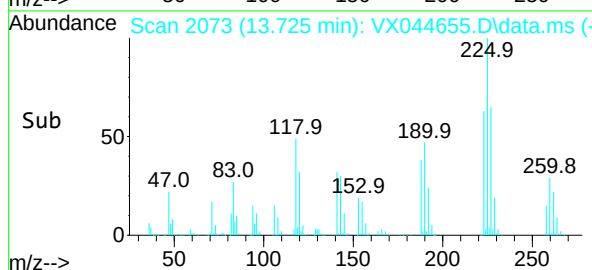
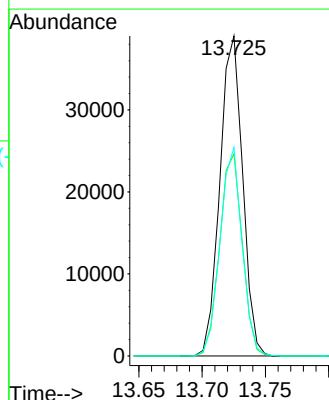
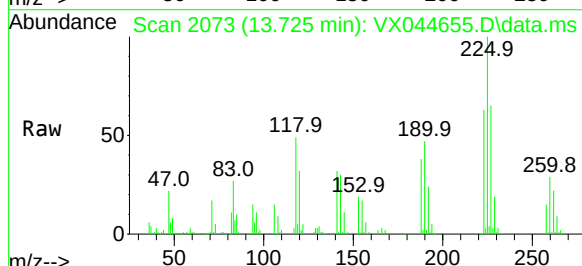
Tgt Ion:225 Resp: 48702

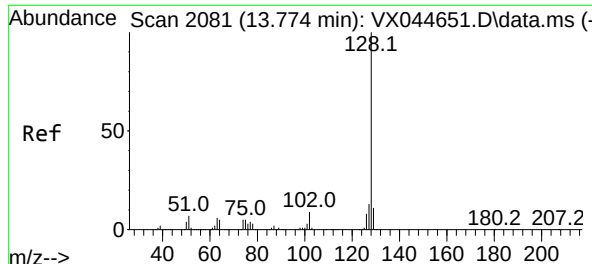
Ion Ratio Lower Upper

225 100

223 62.9 31.9 95.7

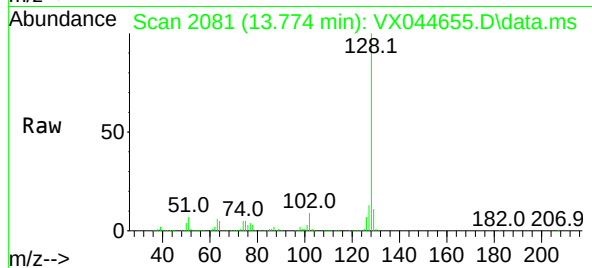
227 63.0 31.8 95.4





#95
Naphthalene
Concen: 52.899 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

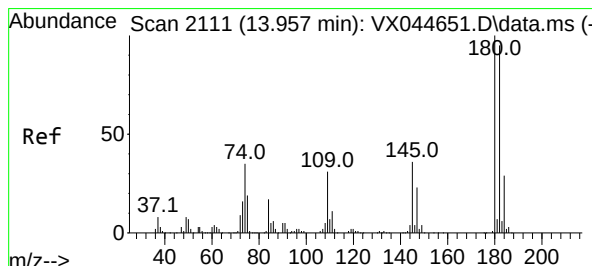
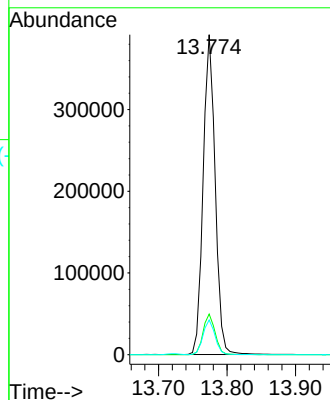
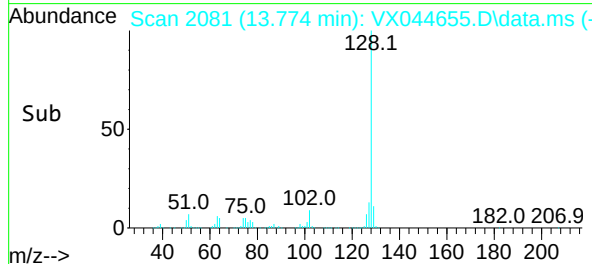
Instrument :
MSVOA_X
ClientSampleId :
ICVX011525



Tgt Ion:128 Resp: 479024
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.9 8.7 13.1

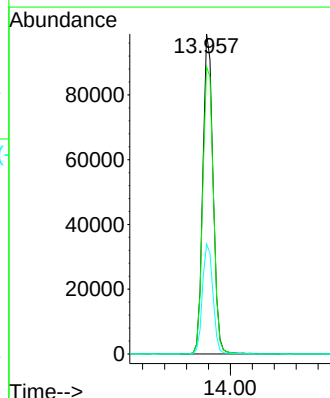
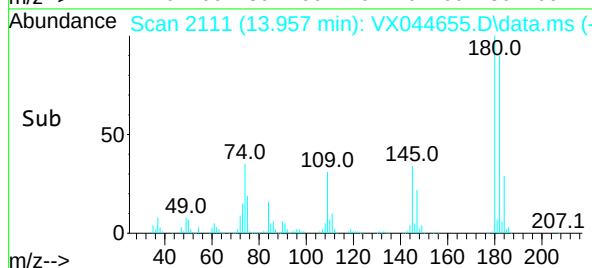
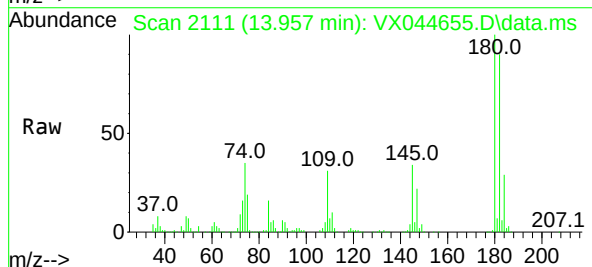
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.611 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:180 Resp: 128038
Ion Ratio Lower Upper
180 100
182 93.8 47.2 141.6
145 35.2 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044655.D
 Acq On : 15 Jan 2025 15:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011525

Quant Time: Jan 16 01:21:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 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	94	0.00
2 T	Dichlorodifluoromethane	0.673	0.761	-13.1	105	0.00
3 P	Chloromethane	0.728	0.695	4.5	92	0.00
4 C	Vinyl Chloride	0.719	0.717	0.3#	96	0.00
5 T	Bromomethane	0.172	0.172	0.0	95	0.00
6 T	Chloroethane	0.132	0.131	0.8	105	0.00
7 T	Trichlorofluoromethane	0.795	0.823	-3.5	101	0.00
8 T	Diethyl Ether	0.321	0.304	5.3	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.597	0.624	-4.5	106	0.00
10 T	Methyl Iodide	0.815	0.837	-2.7	97	0.00
11 T	Tert butyl alcohol	0.168	0.167	0.6	104	0.00
12 CM	1,1-Dichloroethene	0.585	0.600	-2.6#	100	0.00
13 T	Acrolein	0.079	0.073	7.6	101	0.00
14 T	Allyl chloride	1.140	1.100	3.5	98	0.00
15 T	Acrylonitrile	0.330	0.343	-3.9	103	0.00
16 T	Acetone	0.299	0.319	-6.7	112	0.00
17 T	Carbon Disulfide	1.597	1.624	-1.7	99	0.00
18 T	Methyl Acetate	0.921	0.987	-7.2	105	0.00
19 T	Methyl tert-butyl Ether	2.121	2.137	-0.8	99	0.00
20 T	Methylene Chloride	0.695	0.669	3.7	97	0.00
21 T	trans-1,2-Dichloroethene	0.611	0.597	2.3	99	0.00
22 T	Diisopropyl ether	1.981	2.008	-1.4	99	0.00
23 T	Vinyl Acetate	1.734	1.765	-1.8	100	0.00
24 P	1,1-Dichloroethane	1.175	1.179	-0.3	98	0.00
25 T	2-Butanone	0.444	0.472	-6.3	104	0.00
26 T	2,2-Dichloropropane	1.139	1.109	2.6	99	0.00
27 T	cis-1,2-Dichloroethene	0.769	0.751	2.3	98	0.00
28 T	Bromochloromethane	0.549	0.544	0.9	96	0.00
29 T	Tetrahydrofuran	0.286	0.294	-2.8	103	0.00
30 C	Chloroform	1.186	1.193	-0.6#	98	0.00
31 T	Cyclohexane	0.950	1.005	-5.8	101	0.00
32 T	1,1,1-Trichloroethane	1.090	1.065	2.3	100	0.00
33 S	1,2-Dichloroethane-d4	0.755	0.790	-4.6	100	-0.01
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35 S	Dibromofluoromethane	0.318	0.341	-7.2	99	0.00
36 T	1,1-Dichloropropene	0.442	0.445	-0.7	100	0.00
37 T	Ethyl Acetate	0.471	0.513	-8.9	102	0.00
38 T	Carbon Tetrachloride	0.497	0.500	-0.6	100	-0.01
39 T	Methylcyclohexane	0.587	0.617	-5.1	103	0.00
40 TM	Benzene	1.370	1.387	-1.2	98	0.00
41 T	Methacrylonitrile	0.274	0.282	-2.9	102	0.00
42 TM	1,2-Dichloroethane	0.500	0.509	-1.8	98	0.00
43 T	Isopropyl Acetate	0.866	0.881	-1.7	99	0.00
44 TM	Trichloroethene	0.329	0.342	-4.0	100	0.00
45 C	1,2-Dichloropropane	0.345	0.352	-2.0#	98	0.00
46 T	Dibromomethane	0.263	0.262	0.4	98	0.00
47 T	Bromodichloromethane	0.538	0.539	-0.2	98	0.00
48 T	Methyl methacrylate	0.402	0.425	-5.7	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044655.D
 Acq On : 15 Jan 2025 15:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011525

Quant Time: Jan 16 01:21:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 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	0.008	0.008	0.0	97	0.00
50 S	Toluene-d8	1.108	1.177	-6.2	97	0.00
51 T	4-Methyl-2-Pentanone	0.479	0.482	-0.6	99	0.00
52 CM	Toluene	0.839	0.838	0.1#	96	0.00
53 T	t-1,3-Dichloropropene	0.556	0.571	-2.7	96	0.00
54 T	cis-1,3-Dichloropropene	0.603	0.616	-2.2	99	0.00
55 T	1,1,2-Trichloroethane	0.339	0.340	-0.3	98	0.00
56 T	Ethyl methacrylate	0.583	0.590	-1.2	96	0.00
57 T	1,3-Dichloropropane	0.578	0.579	-0.2	96	0.00
58 T	2-Chloroethyl Vinyl ether	0.286	0.289	-1.0	97	0.00
59 T	2-Hexanone	0.352	0.356	-1.1	99	0.00
60 T	Dibromochloromethane	0.398	0.398	0.0	96	0.00
61 T	1,2-Dibromoethane	0.356	0.353	0.8	97	0.00
62 S	4-Bromofluorobenzene	0.413	0.435	-5.3	95	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
64 T	Tetrachloroethene	0.314	0.335	-6.7	100	0.00
65 PM	Chlorobenzene	1.062	1.076	-1.3	95	0.00
66 T	1,1,1,2-Tetrachloroethane	0.386	0.395	-2.3	95	0.00
67 C	Ethyl Benzene	1.853	1.917	-3.5#	95	0.00
68 T	m/p-Xylenes	0.688	0.706	-2.6	95	0.00
69 T	o-Xylene	0.695	0.701	-0.9	93	0.00
70 T	Styrene	1.123	1.154	-2.8	94	0.00
71 P	Bromoform	0.314	0.324	-3.2	95	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
73 T	Isopropylbenzene	4.085	4.105	-0.5	95	0.00
74 T	N-ethyl acetate	2.013	2.020	-0.3	96	0.00
75 P	1,1,2,2-Tetrachloroethane	1.411	1.383	2.0	96	0.00
76 T	1,2,3-Trichloropropane	1.213	1.214	-0.1	100	0.00
77 T	Bromobenzene	0.955	0.945	1.0	95	0.00
78 T	n-propylbenzene	4.505	4.659	-3.4	96	0.00
79 T	2-Chlorotoluene	2.910	2.891	0.7	95	0.00
80 T	1,3,5-Trimethylbenzene	3.325	3.315	0.3	94	0.00
81 T	trans-1,4-Dichloro-2-butene	0.531	0.552	-4.0	97	0.00
82 T	4-Chlorotoluene	3.188	3.235	-1.5	95	0.00
83 T	tert-Butylbenzene	3.477	3.439	1.1	94	0.00
84 T	1,2,4-Trimethylbenzene	3.379	3.360	0.6	95	0.00
85 T	sec-Butylbenzene	4.048	4.135	-2.1	96	0.00
86 T	p-Isopropyltoluene	3.327	3.395	-2.0	95	0.00
87 T	1,3-Dichlorobenzene	1.656	1.705	-3.0	95	0.00
88 T	1,4-Dichlorobenzene	1.674	1.674	0.0	96	0.00
89 T	n-Butylbenzene	2.857	3.037	-6.3	98	0.00
90 T	Hexachloroethane	0.753	0.731	2.9	96	0.00
91 T	1,2-Dichlorobenzene	1.700	1.681	1.1	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.345	0.343	0.6	100	0.00
93 T	1,2,4-Trichlorobenzene	1.016	1.085	-6.8	95	0.00
94 T	Hexachlorobutadiene	0.399	0.422	-5.8	97	0.00
95 T	Naphthalene	3.920	4.148	-5.8	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 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	1.054	1.109	-5.2	95	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\X011525\
 Data File : VX044655.D
 Acq On : 15 Jan 2025 15:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011525

Quant Time: Jan 16 01:21:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 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	94	0.00
2 T	Dichlorodifluoromethane	50.000	56.549	-13.1	105	0.00
3 P	Chloromethane	50.000	47.763	4.5	92	0.00
4 C	Vinyl Chloride	50.000	49.839	0.3#	96	0.00
5 T	Bromomethane	50.000	50.031	-0.1	95	0.00
6 T	Chloroethane	50.000	49.624	0.8	105	0.00
7 T	Trichlorofluoromethane	50.000	51.789	-3.6	101	0.00
8 T	Diethyl Ether	50.000	47.479	5.0	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	52.271	-4.5	106	0.00
10 T	Methyl Iodide	50.000	51.350	-2.7	97	0.00
11 T	Tert butyl alcohol	250.000	248.503	0.6	104	0.00
12 CM	1,1-Dichloroethene	50.000	51.243	-2.5#	100	0.00
13 T	Acrolein	250.000	230.919	7.6	101	0.00
14 T	Allyl chloride	50.000	48.232	3.5	98	0.00
15 T	Acrylonitrile	250.000	259.942	-4.0	103	0.00
16 T	Acetone	250.000	266.735	-6.7	112	0.00
17 T	Carbon Disulfide	50.000	50.827	-1.7	99	0.00
18 T	Methyl Acetate	50.000	53.560	-7.1	105	0.00
19 T	Methyl tert-butyl Ether	50.000	50.389	-0.8	99	0.00
20 T	Methylene Chloride	50.000	48.076	3.8	97	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.846	2.3	99	0.00
22 T	Diisopropyl ether	50.000	50.659	-1.3	99	0.00
23 T	Vinyl Acetate	250.000	254.442	-1.8	100	0.00
24 P	1,1-Dichloroethane	50.000	50.150	-0.3	98	0.00
25 T	2-Butanone	250.000	265.596	-6.2	104	0.00
26 T	2,2-Dichloropropane	50.000	48.697	2.6	99	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.831	2.3	98	0.00
28 T	Bromochloromethane	50.000	49.545	0.9	96	0.00
29 T	Tetrahydrofuran	250.000	256.578	-2.6	103	0.00
30 C	Chloroform	50.000	50.304	-0.6#	98	0.00
31 T	Cyclohexane	50.000	52.878	-5.8	101	0.00
32 T	1,1,1-Trichloroethane	50.000	48.859	2.3	100	0.00
33 S	1,2-Dichloroethane-d4	50.000	52.363	-4.7	100	-0.01
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35 S	Dibromofluoromethane	50.000	53.683	-7.4	99	0.00
36 T	1,1-Dichloropropene	50.000	50.294	-0.6	100	0.00
37 T	Ethyl Acetate	50.000	54.526	-9.1	102	0.00
38 T	Carbon Tetrachloride	50.000	50.287	-0.6	100	-0.01
39 T	Methylcyclohexane	50.000	52.520	-5.0	103	0.00
40 TM	Benzene	50.000	50.610	-1.2	98	0.00
41 T	Methacrylonitrile	50.000	51.342	-2.7	102	0.00
42 TM	1,2-Dichloroethane	50.000	50.902	-1.8	98	0.00
43 T	Isopropyl Acetate	50.000	50.871	-1.7	99	0.00
44 TM	Trichloroethene	50.000	51.887	-3.8	100	0.00
45 C	1,2-Dichloropropane	50.000	51.011	-2.0#	98	0.00
46 T	Dibromomethane	50.000	49.939	0.1	98	0.00
47 T	Bromodichloromethane	50.000	50.029	-0.1	98	0.00
48 T	Methyl methacrylate	50.000	52.890	-5.8	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044655.D
 Acq On : 15 Jan 2025 15:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011525

Quant Time: Jan 16 01:21:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 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	992.095	0.8	97	0.00
50 S	Toluene-d8	50.000	53.113	-6.2	97	0.00
51 T	4-Methyl-2-Pentanone	250.000	251.778	-0.7	99	0.00
52 CM	Toluene	50.000	49.955	0.1#	96	0.00
53 T	t-1,3-Dichloropropene	50.000	51.300	-2.6	96	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.049	-2.1	99	0.00
55 T	1,1,2-Trichloroethane	50.000	50.085	-0.2	98	0.00
56 T	Ethyl methacrylate	50.000	50.595	-1.2	96	0.00
57 T	1,3-Dichloropropane	50.000	50.129	-0.3	96	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	251.852	-0.7	97	0.00
59 T	2-Hexanone	250.000	253.010	-1.2	99	0.00
60 T	Dibromochloromethane	50.000	49.957	0.1	96	0.00
61 T	1,2-Dibromoethane	50.000	49.693	0.6	97	0.00
62 S	4-Bromofluorobenzene	50.000	52.693	-5.4	95	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	89	0.00
64 T	Tetrachloroethene	50.000	53.384	-6.8	100	0.00
65 PM	Chlorobenzene	50.000	50.667	-1.3	95	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.129	-2.3	95	0.00
67 C	Ethyl Benzene	50.000	51.721	-3.4#	95	0.00
68 T	m/p-Xylenes	100.000	102.645	-2.6	95	0.00
69 T	o-Xylene	50.000	50.378	-0.8	93	0.00
70 T	Styrene	50.000	51.398	-2.8	94	0.00
71 P	Bromoform	50.000	51.597	-3.2	95	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
73 T	Isopropylbenzene	50.000	50.246	-0.5	95	0.00
74 T	N-ethyl acetate	50.000	50.177	-0.4	96	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.002	2.0	96	0.00
76 T	1,2,3-Trichloropropane	50.000	50.004	-0.0	100	0.00
77 T	Bromobenzene	50.000	49.506	1.0	95	0.00
78 T	n-propylbenzene	50.000	51.712	-3.4	96	0.00
79 T	2-Chlorotoluene	50.000	49.678	0.6	95	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.852	0.3	94	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	51.981	-4.0	97	0.00
82 T	4-Chlorotoluene	50.000	50.750	-1.5	95	0.00
83 T	tert-Butylbenzene	50.000	49.459	1.1	94	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.714	0.6	95	0.00
85 T	sec-Butylbenzene	50.000	51.076	-2.2	96	0.00
86 T	p-Isopropyltoluene	50.000	51.028	-2.1	95	0.00
87 T	1,3-Dichlorobenzene	50.000	51.476	-3.0	95	0.00
88 T	1,4-Dichlorobenzene	50.000	50.011	-0.0	96	0.00
89 T	n-Butylbenzene	50.000	53.136	-6.3	98	0.00
90 T	Hexachloroethane	50.000	48.518	3.0	96	0.00
91 T	1,2-Dichlorobenzene	50.000	49.430	1.1	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.672	0.7	100	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.362	-6.7	95	0.00
94 T	Hexachlorobutadiene	50.000	52.807	-5.6	97	0.00
95 T	Naphthalene	50.000	52.899	-5.8	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.611	-5.2	95	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.: Q1173 SAS No.: Q1173 SDG No.: Q1173

Instrument ID: MSVOA_X Calibration Date/Time: 01/27/2025 10:08

Lab File ID: VX044711.D Init. Calib. Date(s): 01/15/2025 01/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:31 13:37

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.728	0.776	0.1	6.59	20
Vinyl Chloride	0.719	0.750		4.31	20
Bromomethane	0.172	0.181		5.23	20
Chloroethane	0.132	0.178		34.85	20
Trichlorofluoromethane	0.795	0.780		-1.89	20
1,1,2-Trichlorotrifluoroethane	0.597	0.612		2.51	20
1,1-Dichloroethene	0.585	0.612		4.61	20
Acetone	0.299	0.288		-3.68	20
Carbon Disulfide	1.598	1.689		5.76	20
Methyl tert-butyl Ether	2.121	2.198		3.63	20
Methylene Chloride	0.695	0.734		5.61	20
trans-1,2-Dichloroethene	0.611	0.618		1.15	20
1,1-Dichloroethane	1.175	1.237	0.1	5.28	20
2-Butanone	0.444	0.470		5.86	20
Carbon Tetrachloride	0.497	0.453		-8.85	20
cis-1,2-Dichloroethene	0.769	0.785		2.08	20
Chloroform	1.186	1.204		1.52	20
1,1,1-Trichloroethane	1.090	0.992		-8.99	20
Methylcyclohexane	0.587	0.601		2.38	20
Benzene	1.370	1.421		3.72	20
1,2-Dichloroethane	0.500	0.487		-2.6	20
Trichloroethene	0.329	0.332		0.91	20
1,2-Dichloropropane	0.345	0.367		6.38	20
Bromodichloromethane	0.538	0.535		-0.56	20
4-Methyl-2-Pentanone	0.479	0.506		5.64	20
Toluene	0.839	0.864		2.98	20
t-1,3-Dichloropropene	0.556	0.582		4.68	20
cis-1,3-Dichloropropene	0.603	0.618		2.49	20
1,1,2-Trichloroethane	0.339	0.351		3.54	20
2-Hexanone	0.352	0.364		3.41	20
Dibromochloromethane	0.398	0.411		3.27	20
Tetrachloroethene	0.314	0.305		-2.87	20
Chlorobenzene	1.062	1.085	0.3	2.17	20
Ethyl Benzene	1.853	1.874		1.13	20
m/p-Xylenes	0.688	0.702		2.04	20
o-Xylene	0.695	0.695		0	20
Styrene	1.123	1.192		6.14	20
Bromoform	0.314	0.313	0.1	-0.32	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1173 SAS No.: Q1173 SDG No.: Q1173

Instrument ID: MSVOA_X Calibration Date/Time: 01/27/2025 10:08

Lab File ID: VX044711.D Init. Calib. Date(s): 01/15/2025 01/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:31 13:37

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.085	3.903		-4.45	20
1,1,2,2-Tetrachloroethane	1.411	1.377	0.3	-2.41	20
1,3-Dichlorobenzene	1.656	1.722		3.99	20
1,4-Dichlorobenzene	1.674	1.716		2.51	20
1,2-Dichlorobenzene	1.700	1.665		-2.06	20
1,2-Dichloroethane-d4	0.755	0.714		-5.43	20
Dibromofluoromethane	0.318	0.317		-0.31	20
Toluene-d8	1.108	1.118		0.9	20
4-Bromofluorobenzene	0.413	0.422		2.18	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\VX012725\
 Data File : VX044711.D
 Acq On : 27 Jan 2025 10:08
 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 01/28/2025
 Supervised By : Mahesh Dadoda 01/28/2025

Quant Time: Jan 28 04:06:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	172369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	318376	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	277935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	123095	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	123157	47.336	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.680%
35) Dibromofluoromethane	5.373	113	100788	49.831	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.660%
50) Toluene-d8	8.641	98	355984	50.477	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.960%
62) 4-Bromofluorobenzene	11.079	95	134456	51.142	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.280%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	111623	48.124	ug/l	97
3) Chloromethane	1.294	50	133778	53.335	ug/l	100
4) Vinyl Chloride	1.374	62	129310	52.177	ug/l	100
5) Bromomethane	1.593	94	31277	52.854	ug/l	97
6) Chloroethane	1.660	64	30670m	67.485	ug/l	
7) Trichlorofluoromethane	1.867	101	134485	49.099	ug/l	98
8) Diethyl Ether	2.130	74	47069	42.582	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	105487	51.232	ug/l	99
10) Methyl Iodide	2.440	142	140845	50.103	ug/l	97
11) Tert butyl alcohol	2.971	59	133032m	229.357	ug/l	
12) 1,1-Dichloroethene	2.312	96	105513	52.279	ug/l	92
13) Acrolein	2.233	56	148664	544.657	ug/l	99
14) Allyl chloride	2.654	41	200142	50.932	ug/l	97
15) Acrylonitrile	3.056	53	304312	267.495	ug/l	98
16) Acetone	2.379	43	247835	240.764	ug/l	96
17) Carbon Disulfide	2.501	76	291079	52.854	ug/l	99
18) Methyl Acetate	2.696	43	169609	53.407	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	378923	51.834	ug/l	100
20) Methylene Chloride	2.782	84	126568	52.799	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	106458	50.522	ug/l	96
22) Diisopropyl ether	3.751	45	382549	56.003	ug/l	98
23) Vinyl Acetate	3.715	43	1630552	272.725	ug/l	100
24) 1,1-Dichloroethane	3.599	63	213198	52.632	ug/l	100
25) 2-Butanone	4.550	43	404966	264.600	ug/l	99
26) 2,2-Dichloropropane	4.464	77	181991	46.357	ug/l	97
27) cis-1,2-Dichloroethene	4.477	96	135384	51.078	ug/l	99
28) Bromochloromethane	4.885	49	97603	51.564	ug/l	98
29) Tetrahydrofuran	4.995	42	260029	263.398	ug/l	98
30) Chloroform	5.080	83	207551	50.771	ug/l	96
31) Cyclohexane	5.452	56	176773	53.957	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	170957	45.490	ug/l	99
36) 1,1-Dichloropropene	5.684	75	137792	48.940	ug/l	99
37) Ethyl Acetate	4.702	43	160916	53.669	ug/l	99
38) Carbon Tetrachloride	5.665	117	144163	45.521	ug/l	98
39) Methylcyclohexane	7.372	83	191285	51.179	ug/l	98
40) Benzene	6.025	78	452521	51.868	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044711.D
 Acq On : 27 Jan 2025 10:08
 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 01/28/2025
 Supervised By : Mahesh Dadoda 01/28/2025

Quant Time: Jan 28 04:06:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	91356	52.289	ug/l	98
42) 1,2-Dichloroethane	6.074	62	155155	48.725	ug/l	100
43) Isopropyl Acetate	6.330	43	284981	51.667	ug/l	100
44) Trichloroethene	7.116	130	105738	50.413	ug/l	98
45) 1,2-Dichloropropane	7.421	63	116931	53.245	ug/l	98
46) Dibromomethane	7.574	93	83999	50.244	ug/l	100
47) Bromodichloromethane	7.811	83	170245	49.656	ug/l	98
48) Methyl methacrylate	7.683	41	137818	53.829	ug/l	99
49) 1,4-Dioxane	7.665	88	52981	991.841	ug/l	99
51) 4-Methyl-2-Pentanone	8.567	43	805406	264.229	ug/l	100
52) Toluene	8.714	92	275176	51.531	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	185440	52.351	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	196861	51.254	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	111881	51.785	ug/l	99
56) Ethyl methacrylate	9.110	69	196250	52.829	ug/l	99
57) 1,3-Dichloropropane	9.305	76	193983	52.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.232	63	450749	247.155	ug/l	98
59) 2-Hexanone	9.427	43	578675	258.046	ug/l	99
60) Dibromochloromethane	9.518	129	130942	51.638	ug/l	99
61) 1,2-Dibromoethane	9.604	107	116099	51.277	ug/l	99
64) Tetrachloroethene	9.268	164	84859	48.623	ug/l	98
65) Chlorobenzene	10.073	112	301484	51.069	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	104268	48.599	ug/l	98
67) Ethyl Benzene	10.189	91	520975	50.576	ug/l	98
68) m/p-Xylenes	10.299	106	390083	102.049	ug/l	99
69) o-Xylene	10.640	106	193241	49.989	ug/l	99
70) Styrene	10.652	104	331210	53.068	ug/l	98
71) Bromoform	10.799	173	86906	49.769	ug/l #	98
73) Isopropylbenzene	10.957	105	480397	47.772	ug/l	100
74) N-amyl acetate	10.841	43	240430	48.507	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	169562	48.822	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	142785m	47.797	ug/l	
77) Bromobenzene	11.195	156	116886	49.729	ug/l	99
78) n-propylbenzene	11.299	91	562742	50.743	ug/l	100
79) 2-Chlorotoluene	11.360	91	348599	48.661	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	402748	49.198	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	64582	49.439	ug/l	98
82) 4-Chlorotoluene	11.451	91	396992	50.588	ug/l	99
83) tert-Butylbenzene	11.713	119	402232	46.992	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	404571	48.633	ug/l	99
85) sec-Butylbenzene	11.890	105	491434	49.309	ug/l	99
86) p-Isopropyltoluene	12.006	119	404929	49.439	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	212027	52.016	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	211171	51.247	ug/l	98
89) n-Butylbenzene	12.329	91	370043	52.602	ug/l	99
90) Hexachloroethane	12.536	117	85234	45.956	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	205003	48.972	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	34674	40.823	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	132044	52.765	ug/l	99
94) Hexachlorobutadiene	13.725	225	48609	49.450	ug/l	98
95) Naphthalene	13.774	128	484495	50.197	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	133922	51.628	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
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 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

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

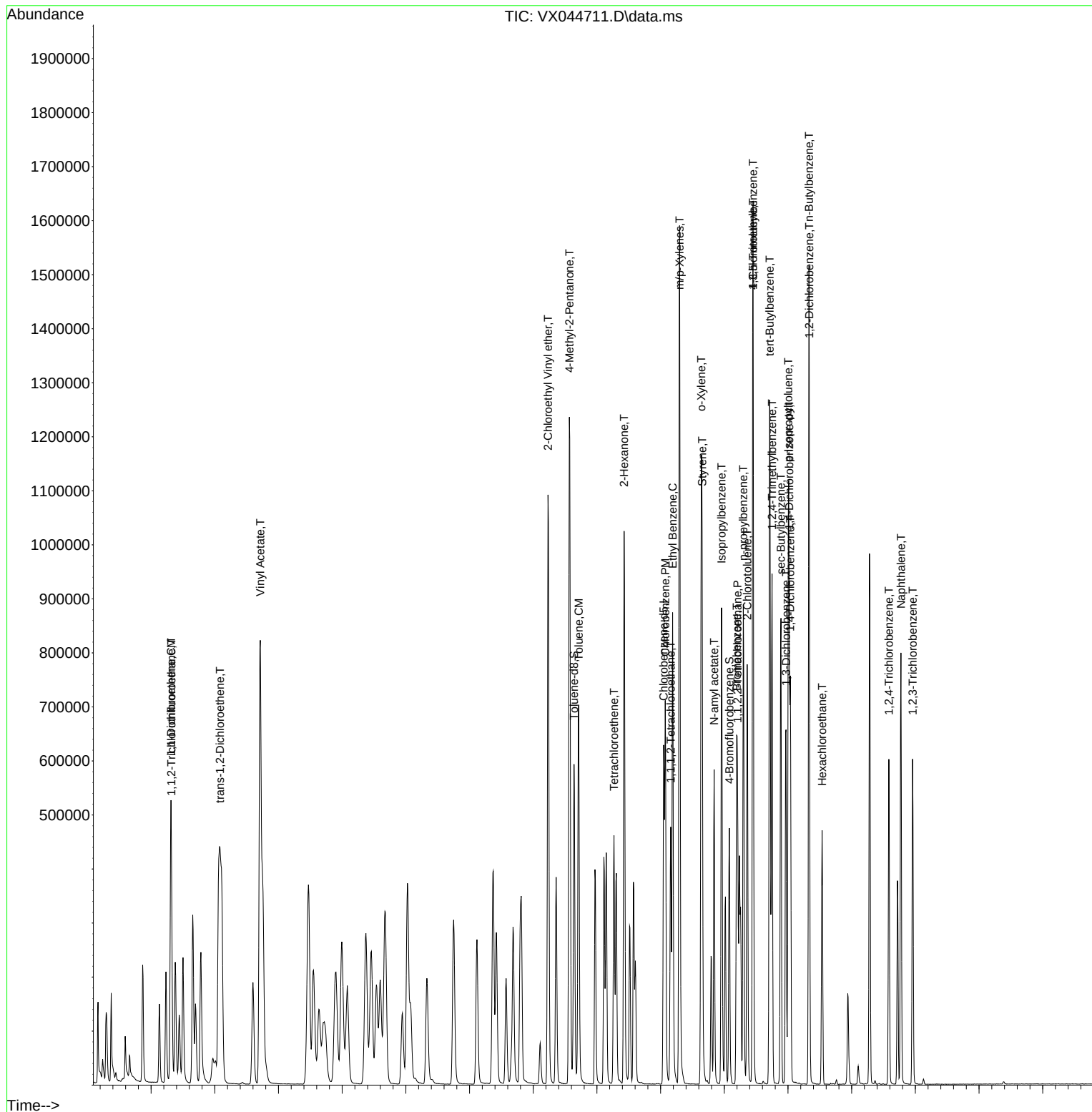
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On    : 27 Jan 2025  10:08
Operator  : JC/MD
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 2   Sample Multiplier: 1
```

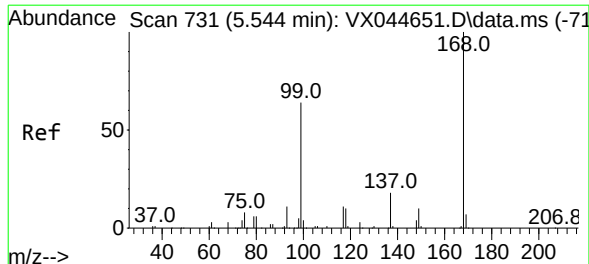
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Supervised By :Mahesh Dadoda 01/28/2025

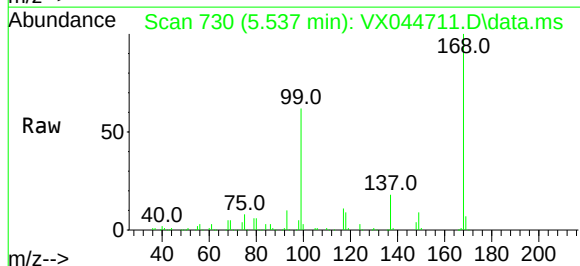
Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration





Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.537 min Scan# 731
 Delta R.T. -0.007 min
 Lab File: VX044711.D
 Acq: 27 Jan 2025 10:08

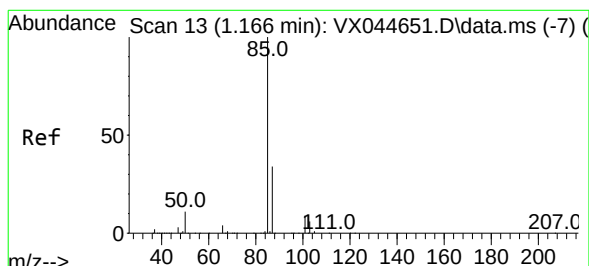
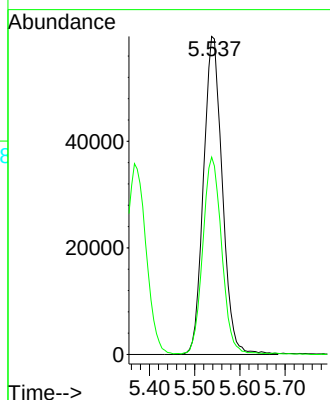
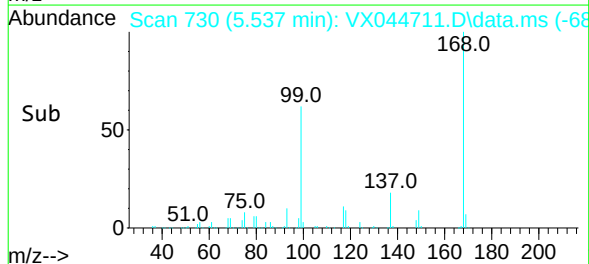
Instrument : MSVOA_X
 ClientSampleId : VSTDCCC050



Tgt Ion: 168 Resp: 172369
 Ion Ratio Lower Upper
 168 100
 99 61.8 51.1 76.7

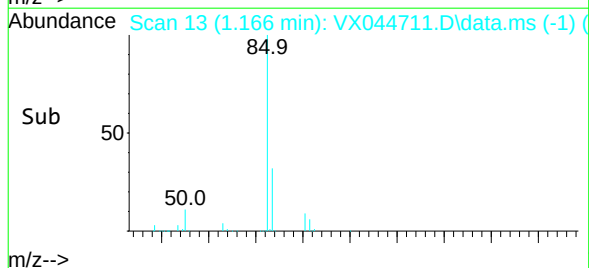
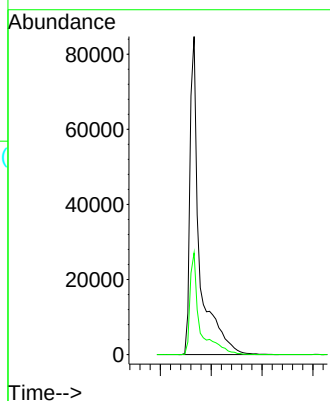
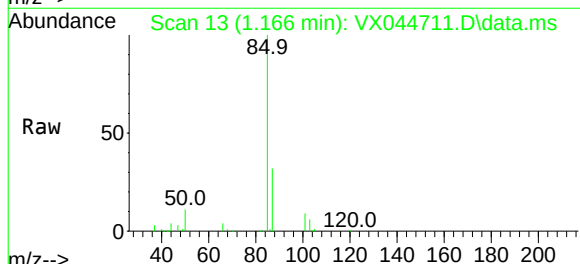
Manual Integrations
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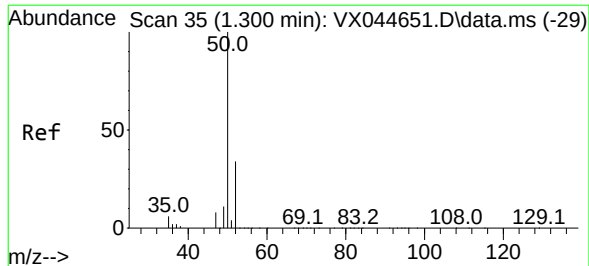
Reviewed By : John Carlone 01/28/2025
 Supervised By : Mahesh Dadoda 01/28/2025



Dichlorodifluoromethane
 Concen: 48.124 ug/l
 RT: 1.166 min Scan# 13
 Delta R.T. -0.000 min
 Lab File: VX044711.D
 Acq: 27 Jan 2025 10:08

Tgt Ion: 85 Resp: 111623
 Ion Ratio Lower Upper
 85 100
 87 32.0 16.8 50.4





#3

Chloromethane

Concen: 53.335 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 133778

Ion Ratio Lower Upper

50 100

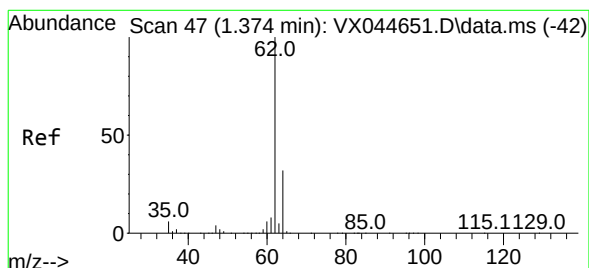
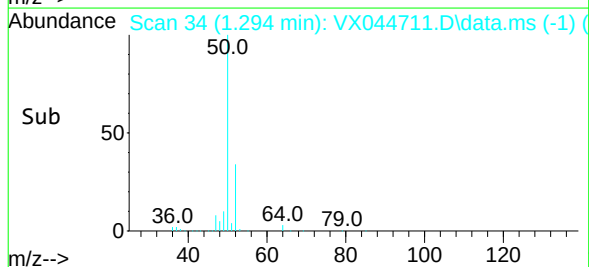
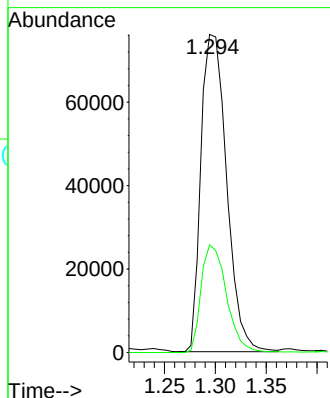
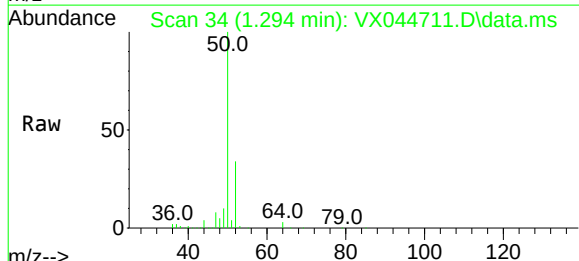
52 33.9 27.0 40.4

Manual Integrations

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Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#4

Vinyl Chloride

Concen: 52.177 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX044711.D

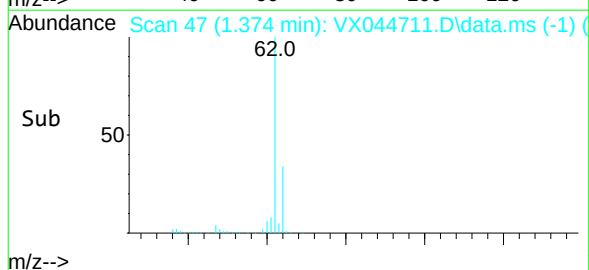
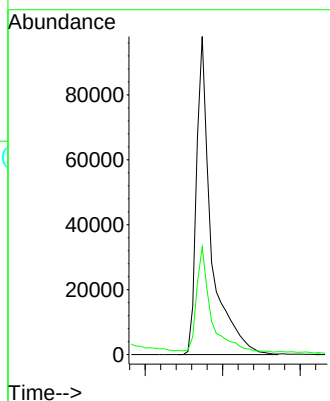
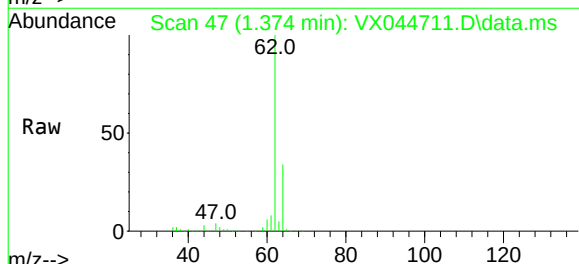
Acq: 27 Jan 2025 10:08

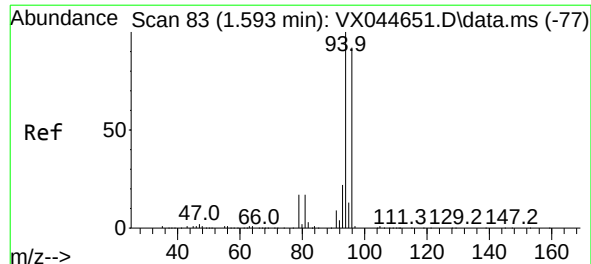
Tgt Ion: 62 Resp: 129310

Ion Ratio Lower Upper

62 100

64 32.9 26.6 39.8





#5

Bromomethane

Concen: 52.854 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 31277

Ion Ratio Lower Upper

94 100

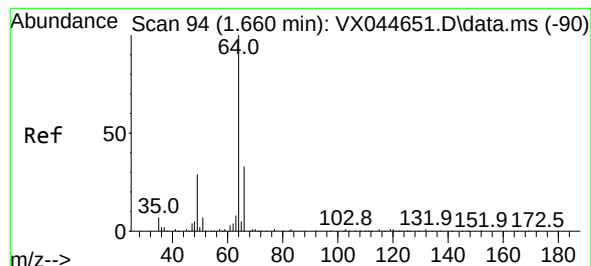
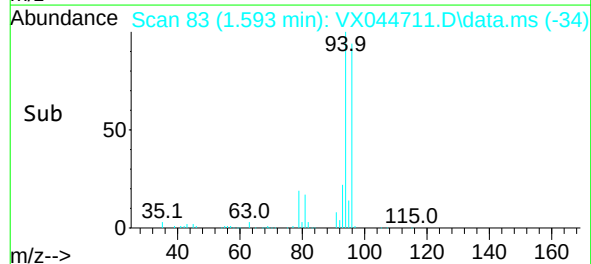
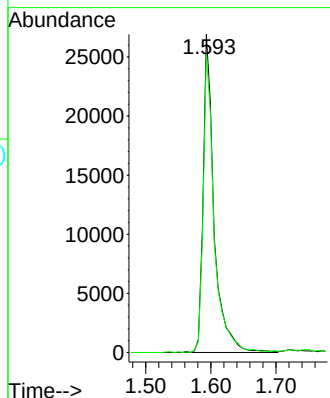
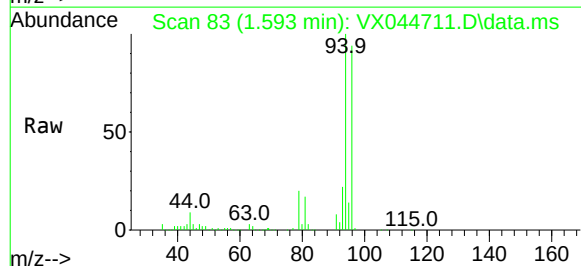
96 93.5 72.8 109.2

Manual Integrations

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Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#6

Chloroethane

Concen: 67.485 ug/l m

RT: 1.660 min Scan# 94

Delta R.T. -0.000 min

Lab File: VX044711.D

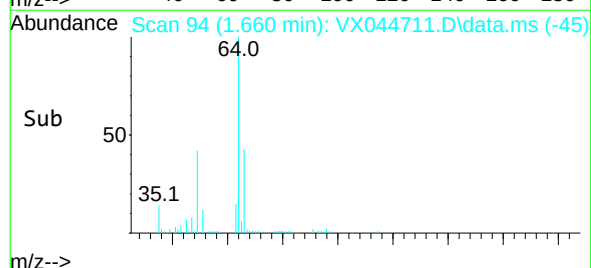
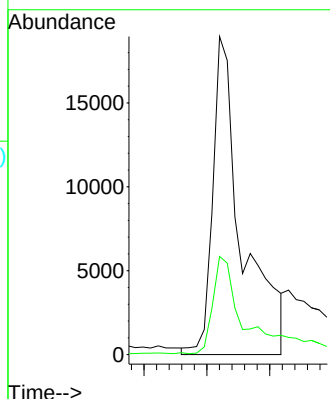
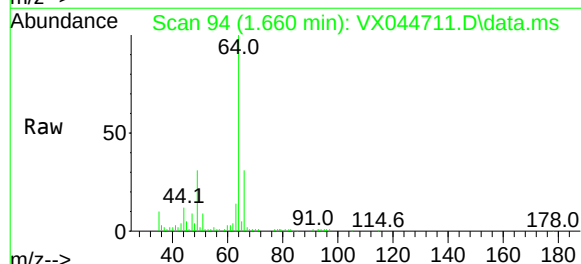
Acq: 27 Jan 2025 10:08

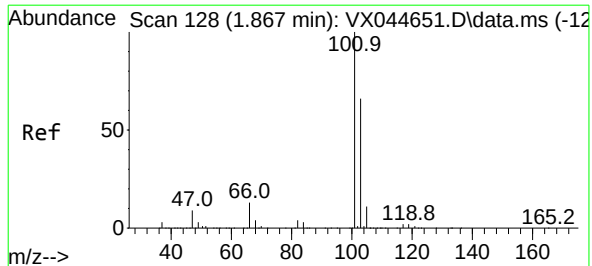
Tgt Ion: 64 Resp: 30670

Ion Ratio Lower Upper

64 100

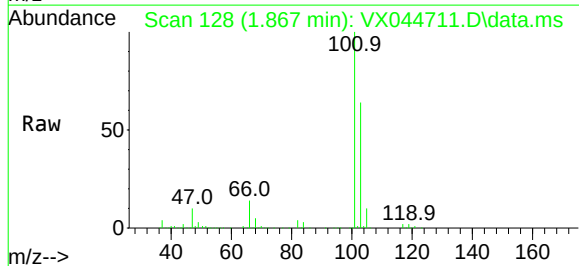
66 30.9 26.6 39.8





#7
Trichlorofluoromethane
Concen: 49.099 ug/l
RT: 1.867 min Scan# 128
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

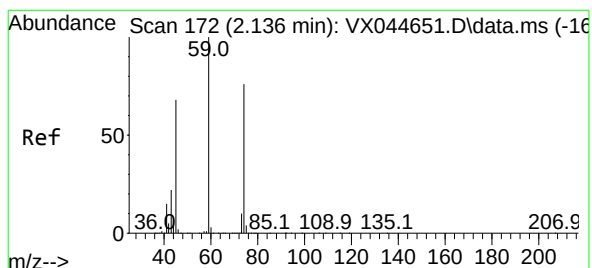
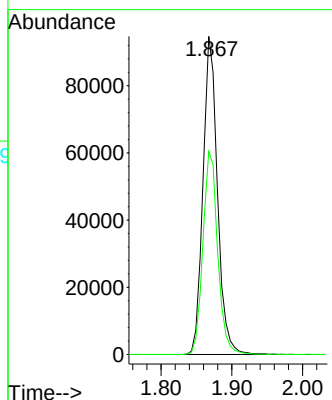
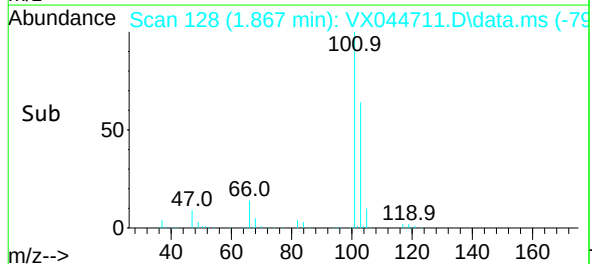
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 134485
Ion Ratio Lower Upper
101 100
103 63.8 52.5 78.7

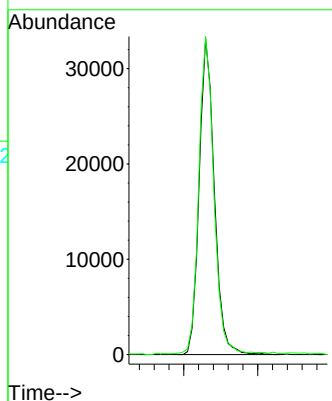
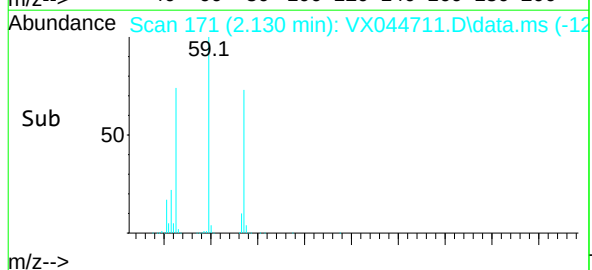
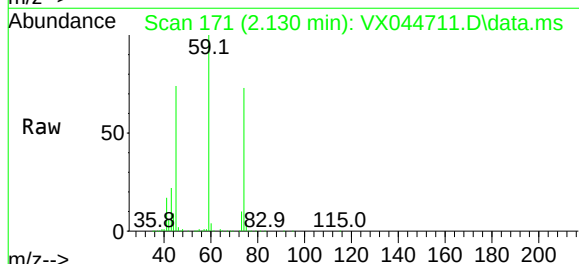
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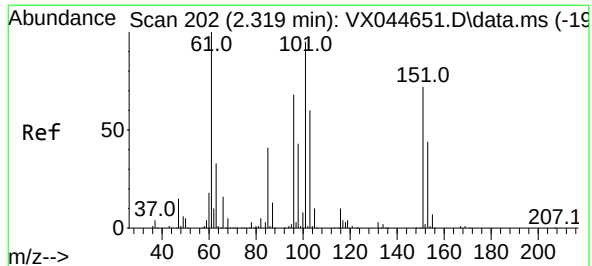
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#8
Diethyl Ether
Concen: 42.582 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

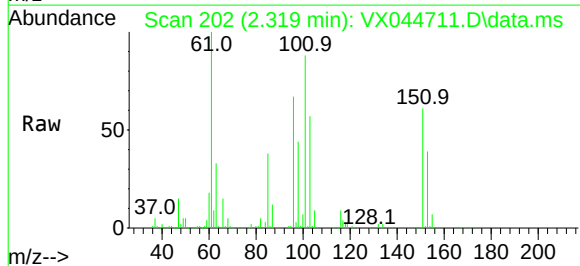
Tgt Ion: 74 Resp: 47069
Ion Ratio Lower Upper
74 100
45 100.0 47.1 141.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.232 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

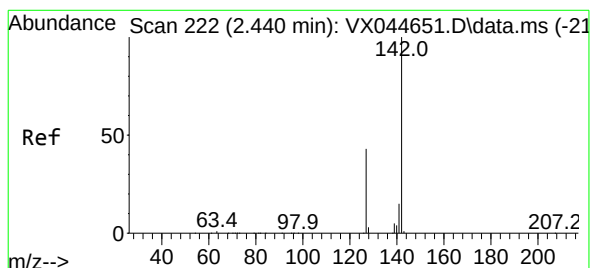
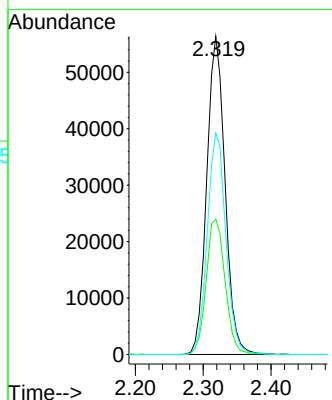
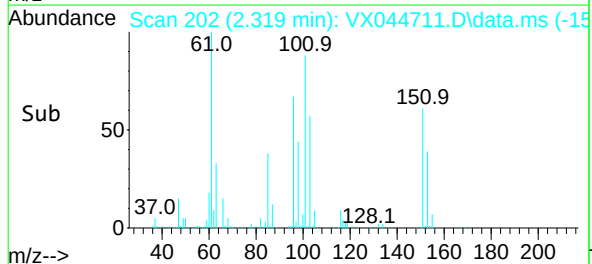
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 105487
Ion Ratio Lower Upper
101 100
85 44.2 35.3 52.9
151 70.9 58.2 87.4

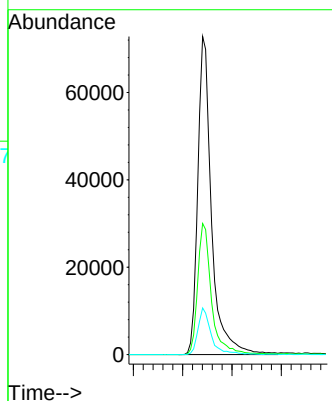
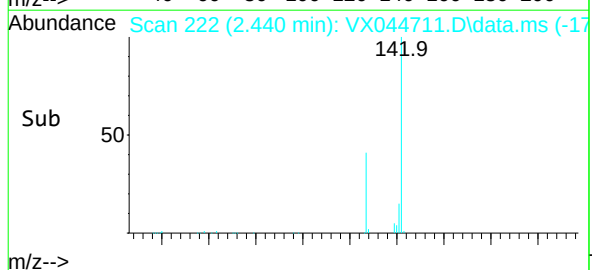
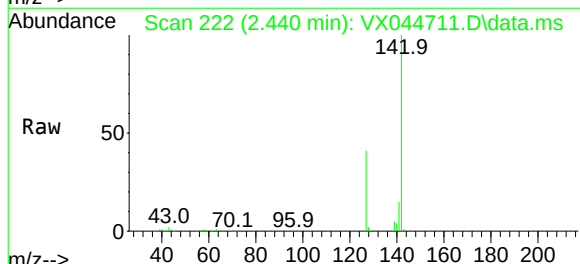
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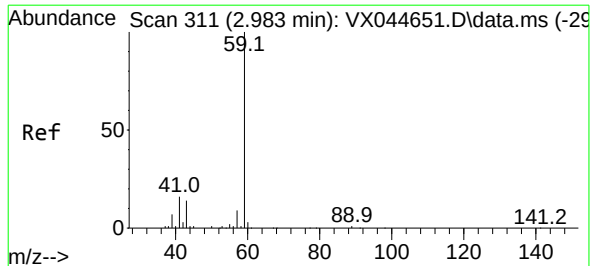
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#10
Methyl Iodide
Concen: 50.103 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:142 Resp: 140845
Ion Ratio Lower Upper
142 100
127 41.6 35.0 52.4
141 14.1 11.7 17.5





#11

Tert butyl alcohol

Concen: 229.357 ug/l m

RT: 2.971 min Scan# 30

Delta R.T. -0.012 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 133032

Ion Ratio Lower Upper

59 100

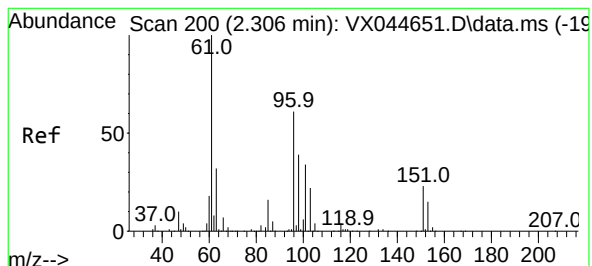
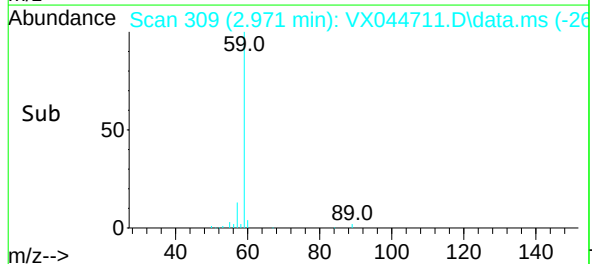
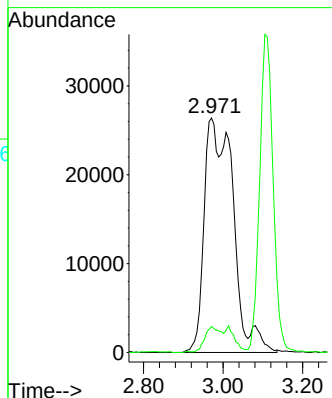
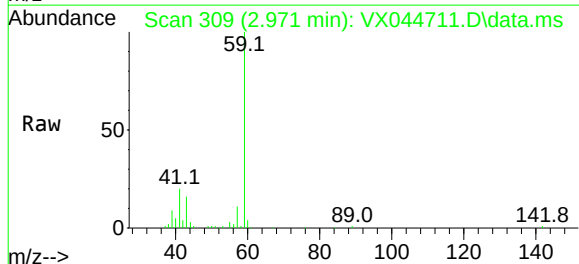
57 6.1 3.9 5.9#

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Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#12

1,1-Dichloroethene

Concen: 52.279 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

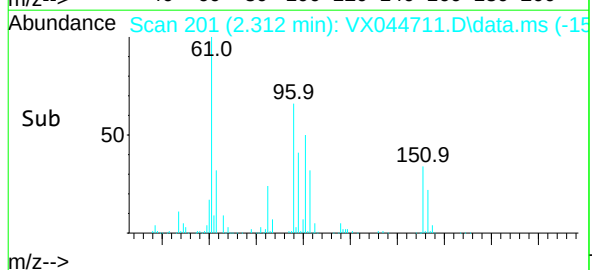
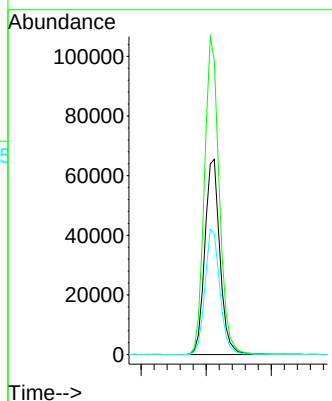
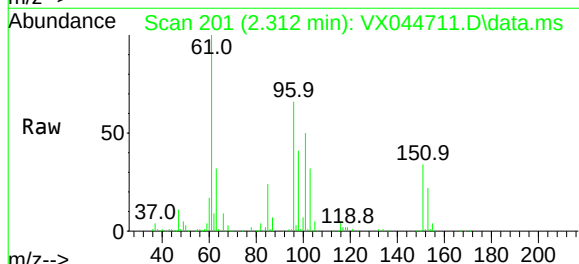
Tgt Ion: 96 Resp: 105513

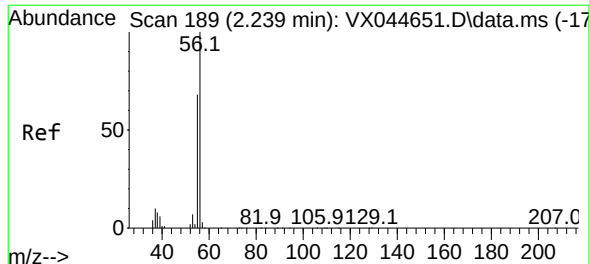
Ion Ratio Lower Upper

96 100

61 150.4 131.1 196.7

98 62.0 51.2 76.8





#13

Acrolein

Concen: 544.657 ug/l

RT: 2.233 min Scan# 18

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 148664

Ion Ratio Lower Upper

56 100

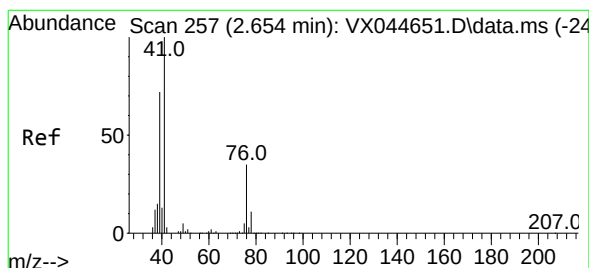
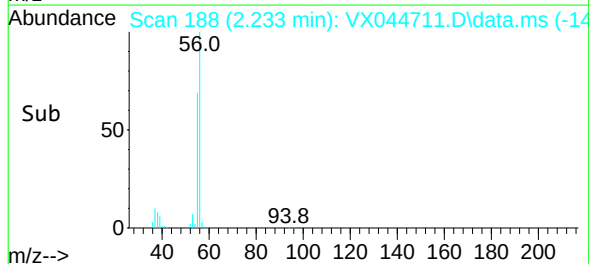
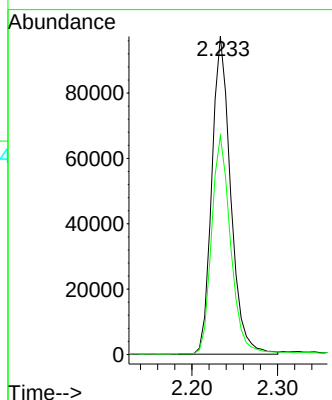
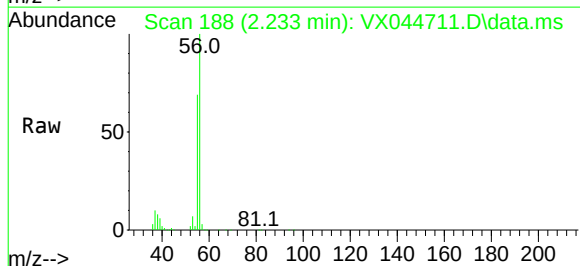
55 69.5 55.1 82.7

Manual Integrations

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Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#14

Allyl chloride

Concen: 50.932 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

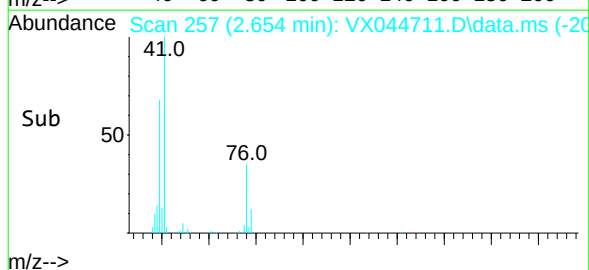
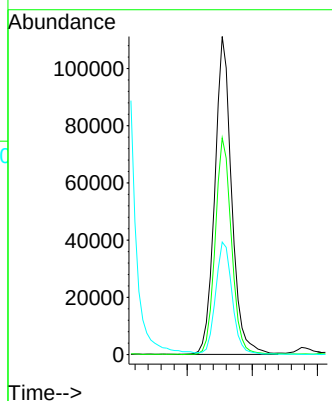
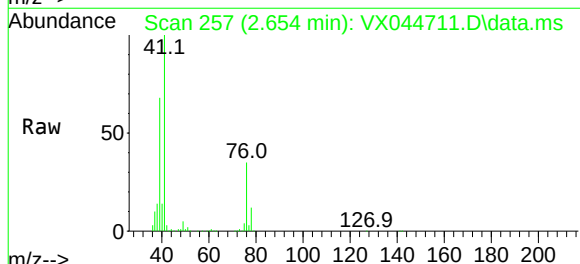
Tgt Ion: 41 Resp: 200142

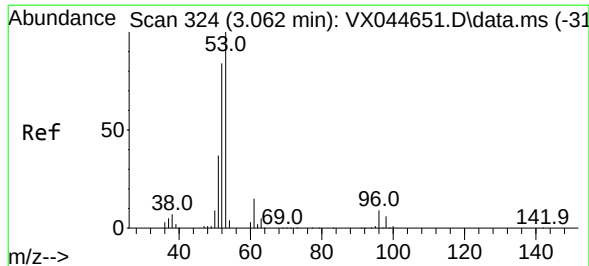
Ion Ratio Lower Upper

41 100

39 66.0 54.9 82.3

76 34.4 28.4 42.6





#15

Acrylonitrile

Concen: 267.495 ug/l

RT: 3.056 min Scan# 32

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 304312

Ion Ratio Lower Upper

53 100

52 84.3 66.0 99.0

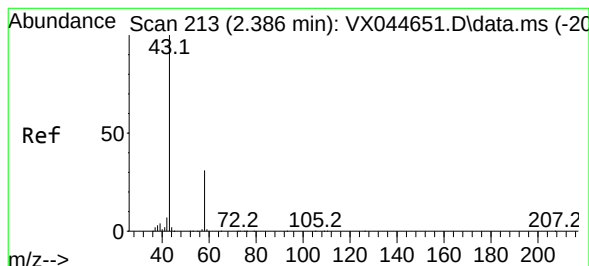
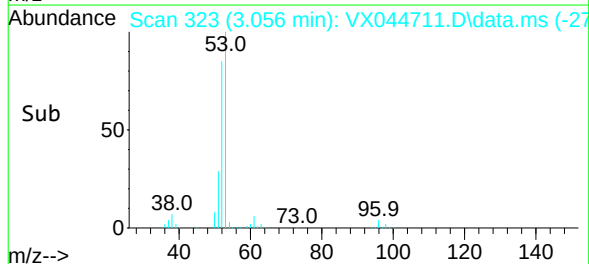
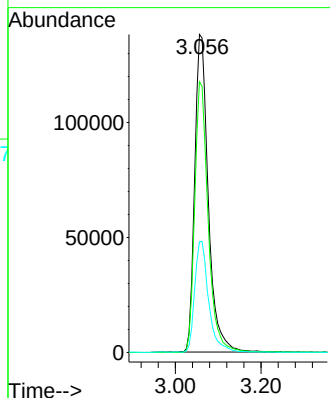
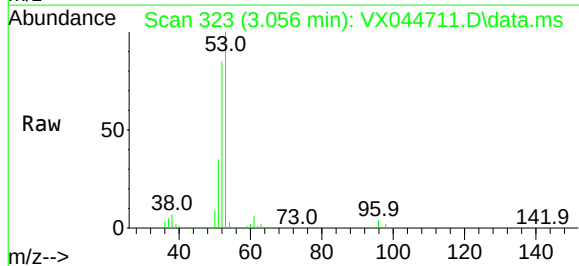
51 35.7 28.9 43.3

Manual Integrations

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Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#16

Acetone

Concen: 240.764 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX044711.D

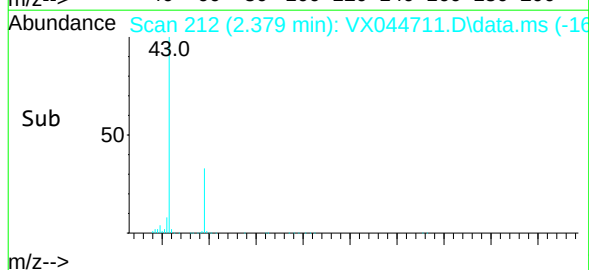
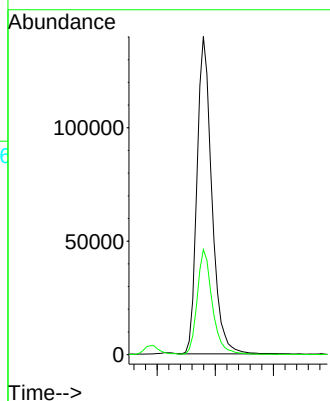
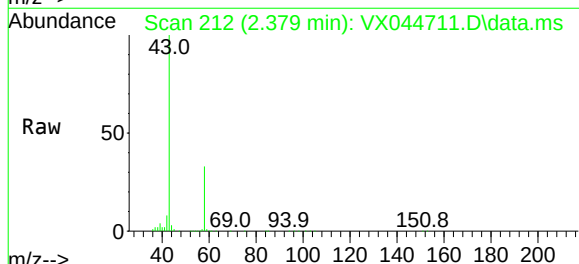
Acq: 27 Jan 2025 10:08

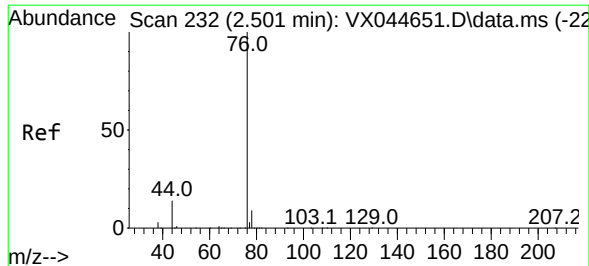
Tgt Ion: 43 Resp: 247835

Ion Ratio Lower Upper

43 100

58 33.0 24.6 37.0





#17

Carbon Disulfide

Concen: 52.854 ug/l

RT: 2.501 min Scan# 23

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 291079

Ion Ratio Lower Upper

76 100

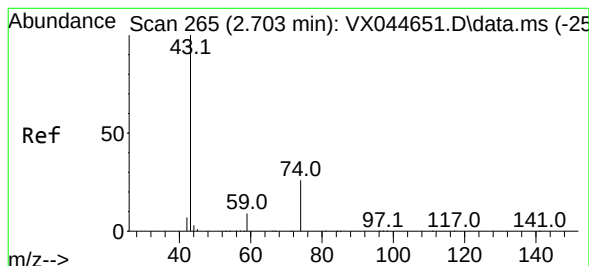
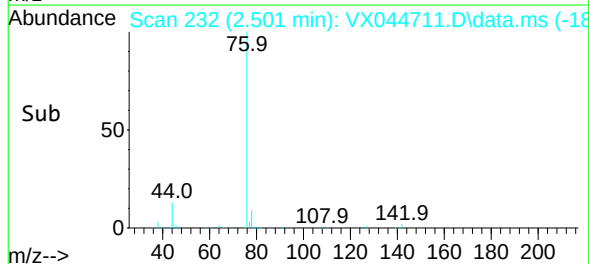
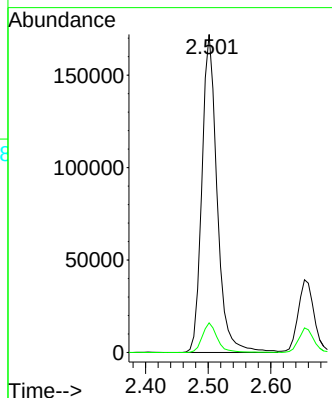
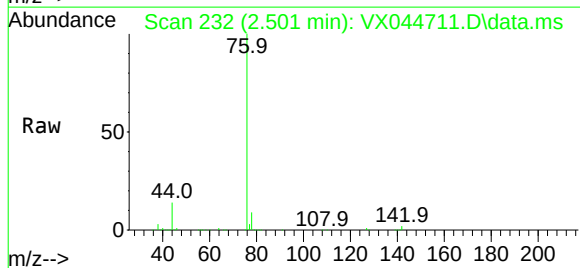
78 9.3 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#18

Methyl Acetate

Concen: 53.407 ug/l

RT: 2.696 min Scan# 264

Delta R.T. -0.006 min

Lab File: VX044711.D

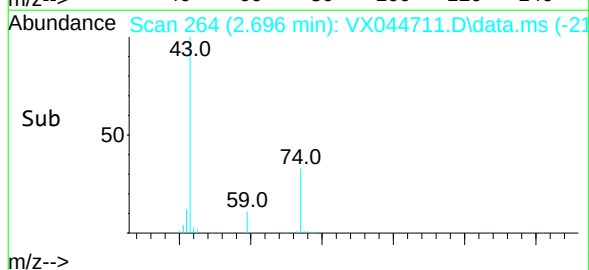
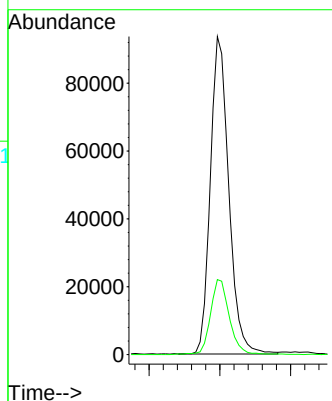
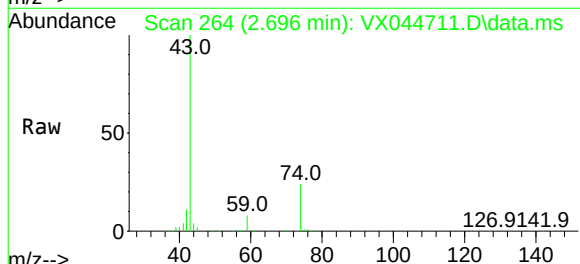
Acq: 27 Jan 2025 10:08

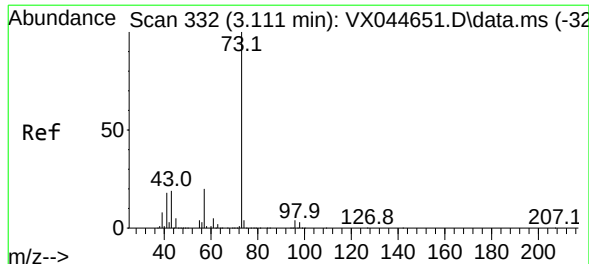
Tgt Ion: 43 Resp: 169609

Ion Ratio Lower Upper

43 100

74 24.3 19.8 29.8





#19

Methyl tert-butyl Ether

Concen: 51.834 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 378923

Ion Ratio Lower Upper

73 100

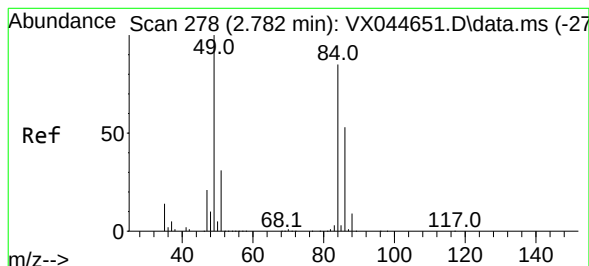
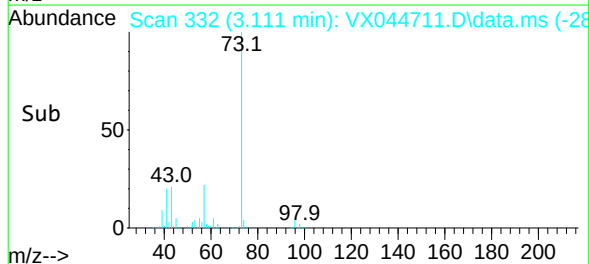
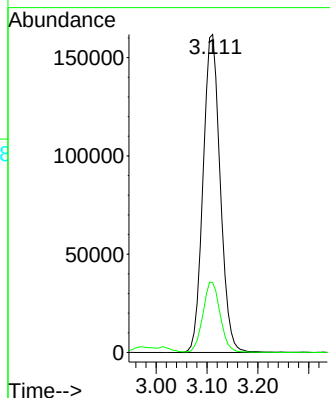
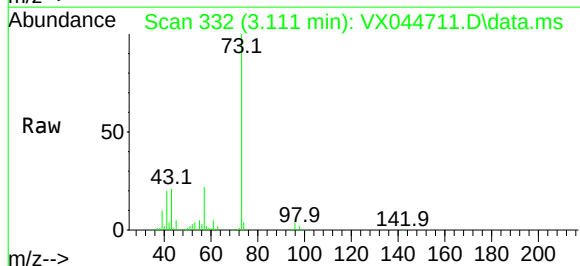
57 21.9 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#20

Methylene Chloride

Concen: 52.799 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Tgt Ion: 84 Resp: 126568

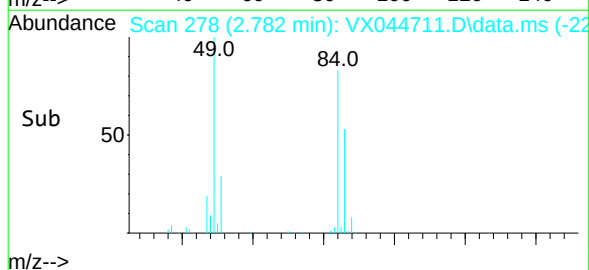
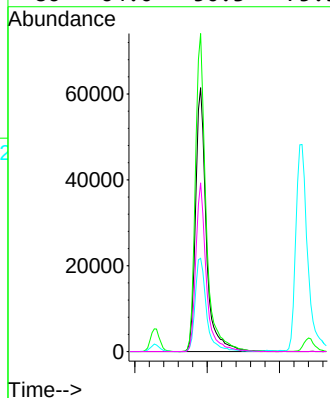
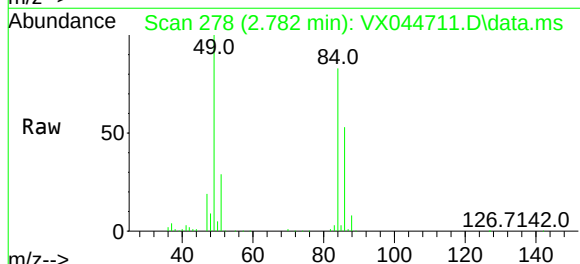
Ion Ratio Lower Upper

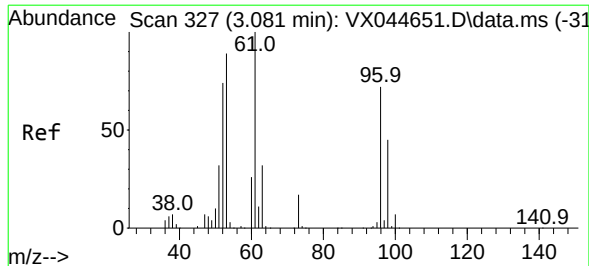
84 100

49 120.5 94.2 141.4

51 35.3 28.8 43.2

86 64.0 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 50.522 ug/l

RT: 3.081 min Scan# 32

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 106458

Ion Ratio Lower Upper

96 100

61 142.8 111.0 166.6

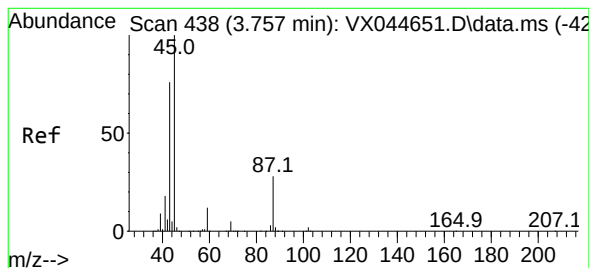
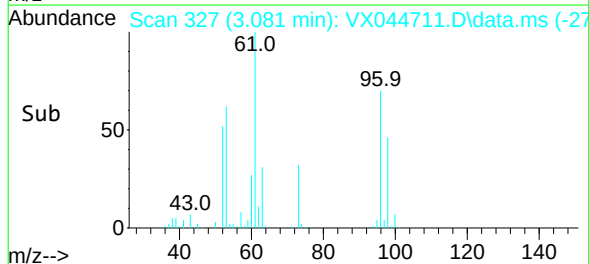
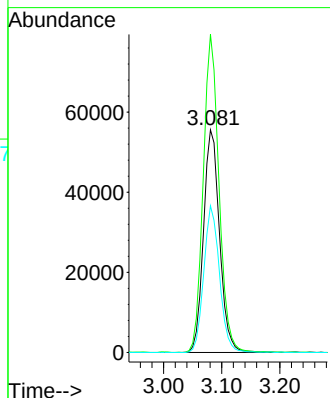
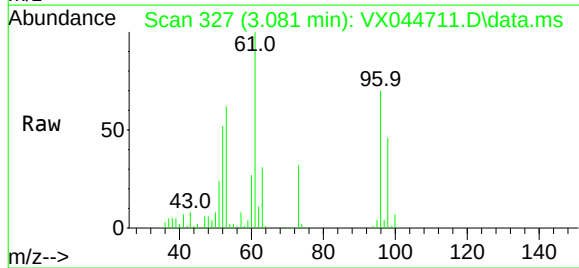
98 65.9 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#22

Diisopropyl ether

Concen: 56.003 ug/l

RT: 3.751 min Scan# 437

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Tgt Ion: 45 Resp: 382549

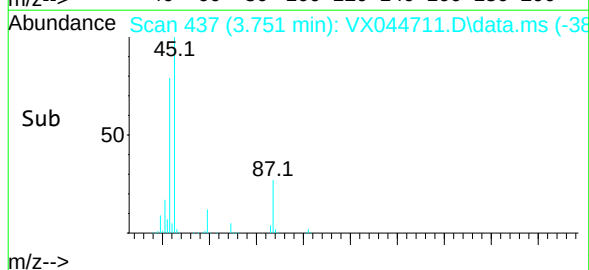
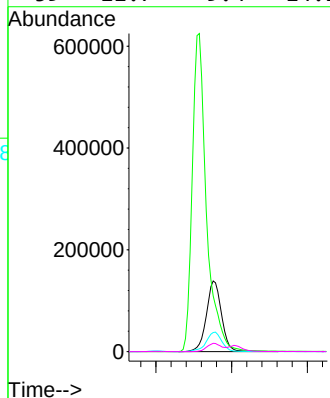
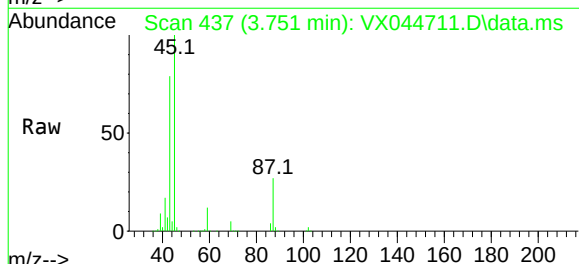
Ion Ratio Lower Upper

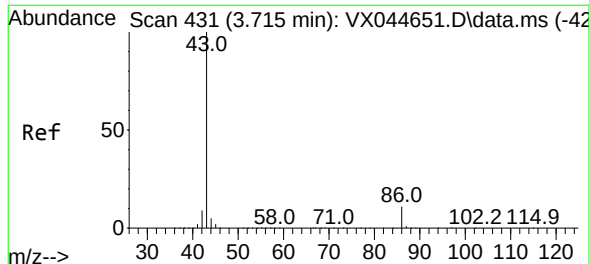
45 100

43 78.7 61.0 91.6

87 27.0 22.7 34.1

59 11.7 9.4 14.2





#23

Vinyl Acetate

Concen: 272.725 ug/l

RT: 3.715 min Scan# 43

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1630552

Ion Ratio Lower Upper

43 100

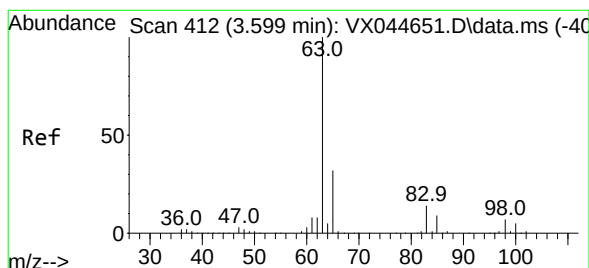
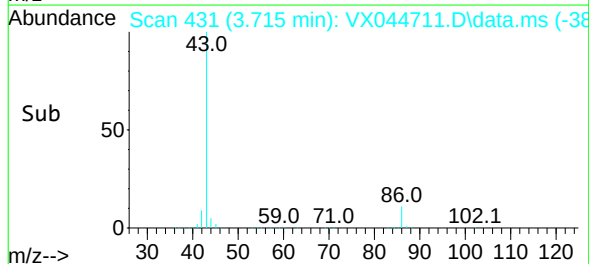
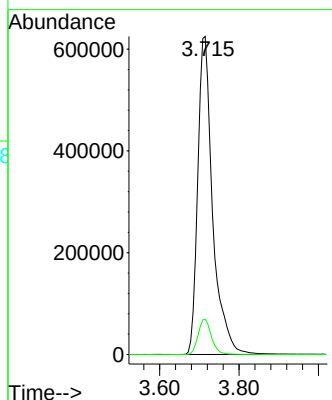
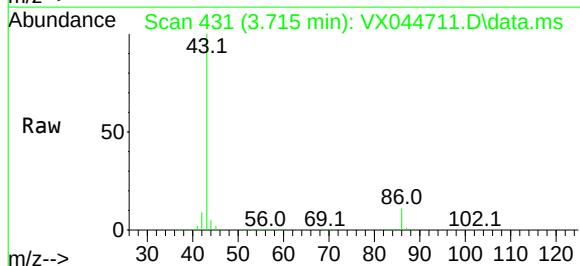
86 11.1 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#24

1,1-Dichloroethane

Concen: 52.632 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

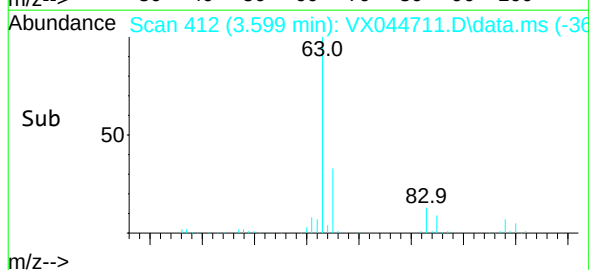
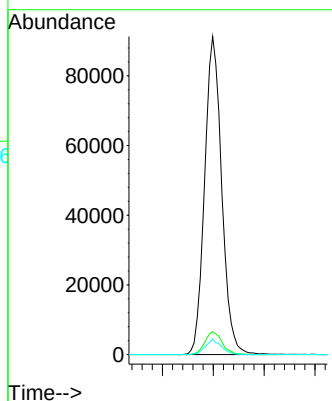
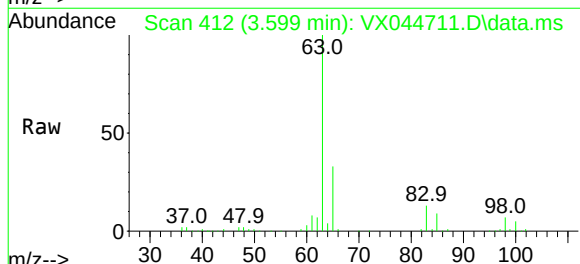
Tgt Ion: 63 Resp: 213198

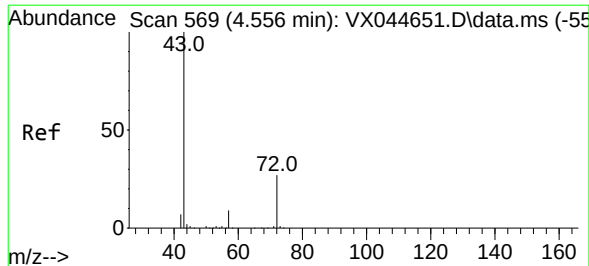
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

100 4.9 2.5 7.5





#25

2-Butanone

Concen: 264.600 ug/l

RT: 4.550 min Scan# 56

Delta R.T. -0.006 min

Lab File: VX044711.D

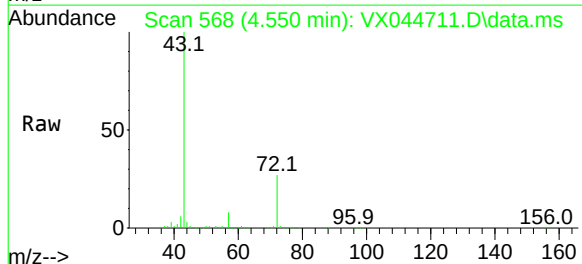
Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050



Tgt Ion: 43 Resp: 404966

Ion Ratio Lower Upper

43 100

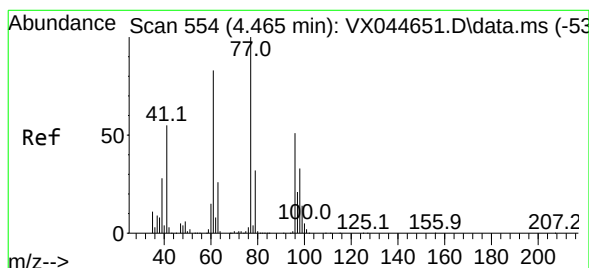
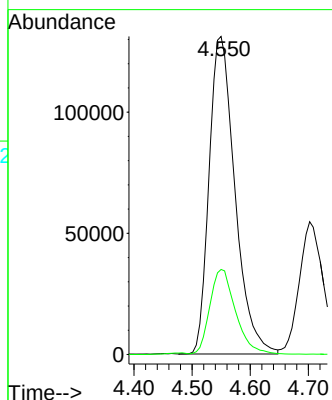
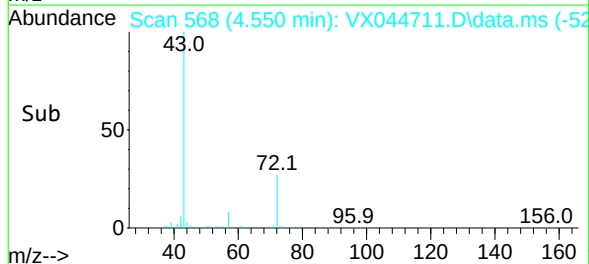
72 26.5 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#26

2,2-Dichloropropane

Concen: 46.357 ug/l

RT: 4.464 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX044711.D

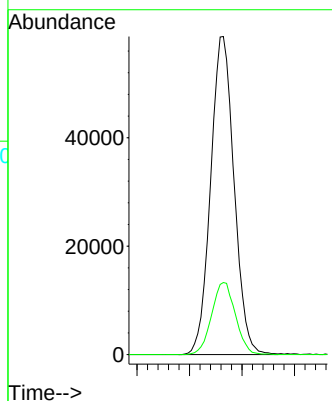
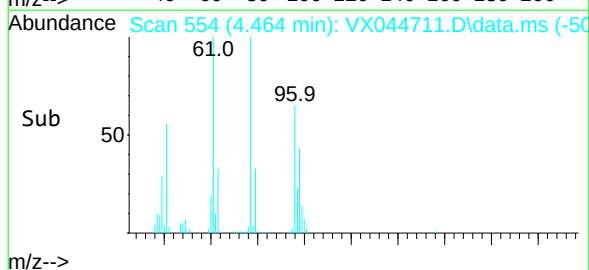
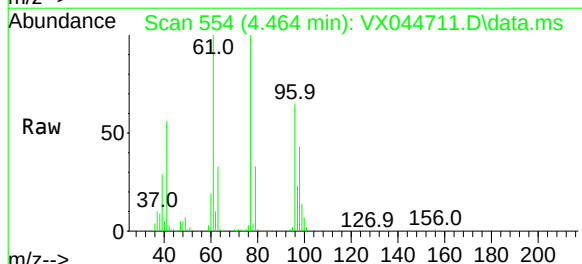
Acq: 27 Jan 2025 10:08

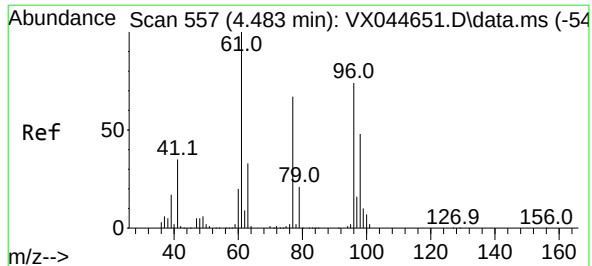
Tgt Ion: 77 Resp: 181991

Ion Ratio Lower Upper

77 100

97 23.0 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 51.078 ug/l

RT: 4.477 min Scan# 55

Delta R.T. -0.006 min

Lab File: VX044711.D

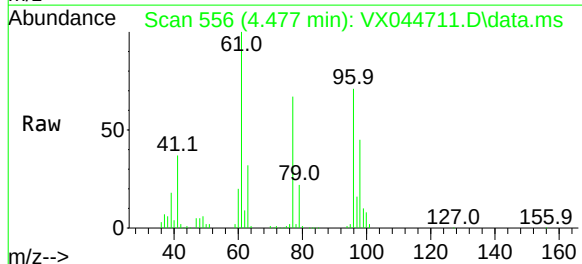
Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050



Tgt Ion: 96 Resp: 135384

Ion Ratio Lower Upper

96 100

61 145.8 0.0 296.0

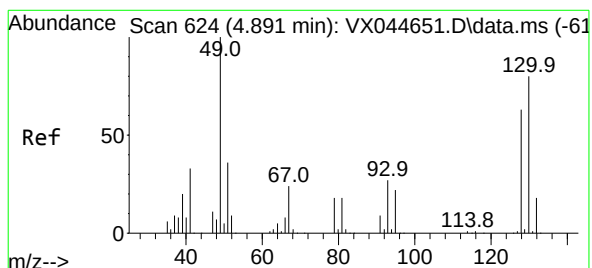
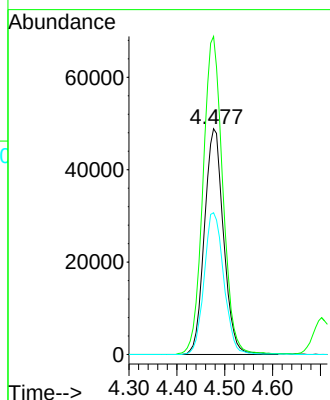
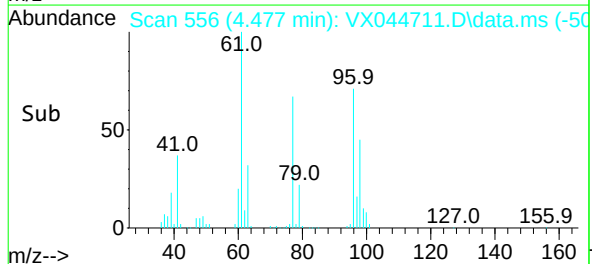
98 64.6 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#28

Bromochloromethane

Concen: 51.564 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

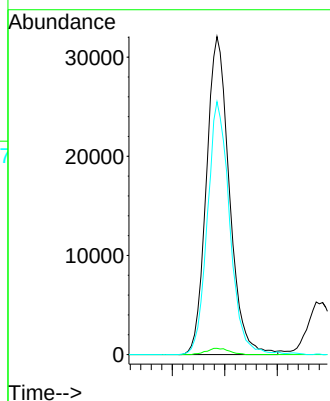
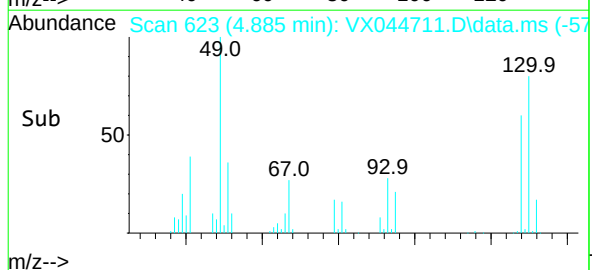
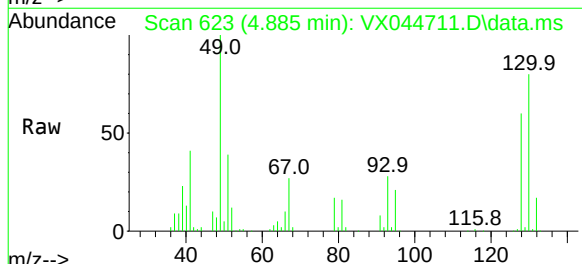
Tgt Ion: 49 Resp: 97603

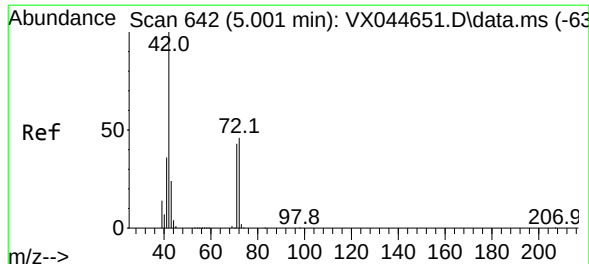
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

130 77.1 63.4 95.2





#29

Tetrahydrofuran

Concen: 263.398 ug/l

RT: 4.995 min Scan# 641

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 260029

Ion Ratio Lower Upper

42 100

72 46.1 38.2 57.4

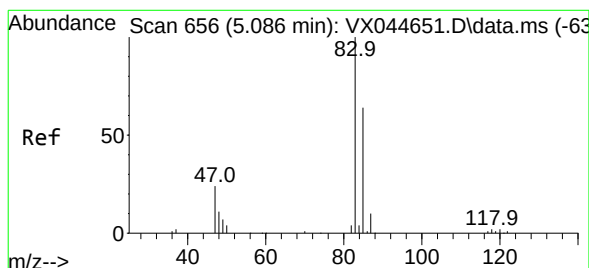
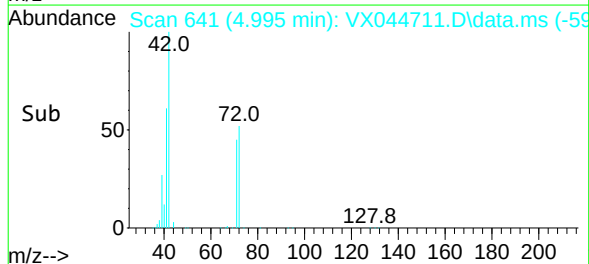
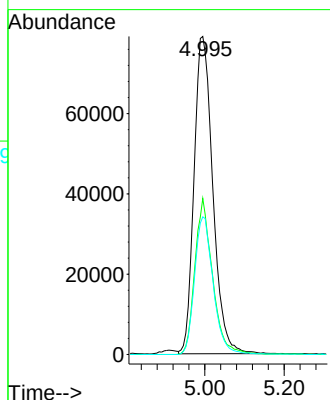
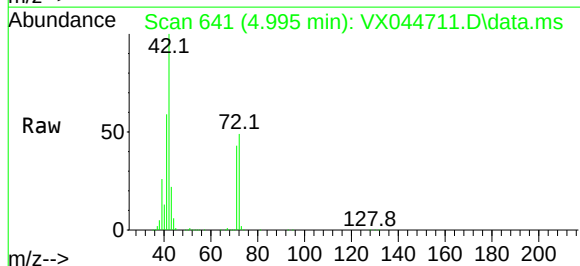
71 43.1 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#30

Chloroform

Concen: 50.771 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX044711.D

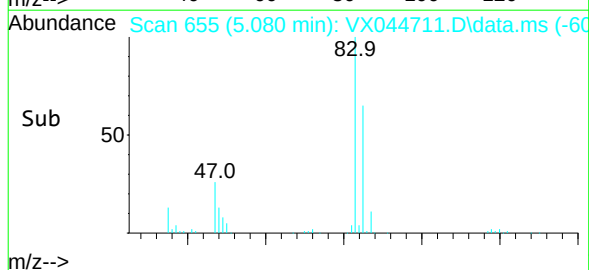
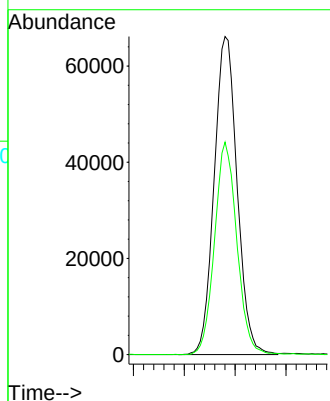
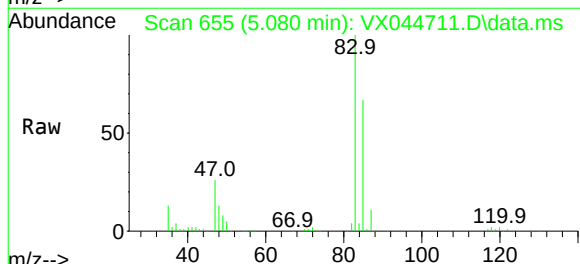
Acq: 27 Jan 2025 10:08

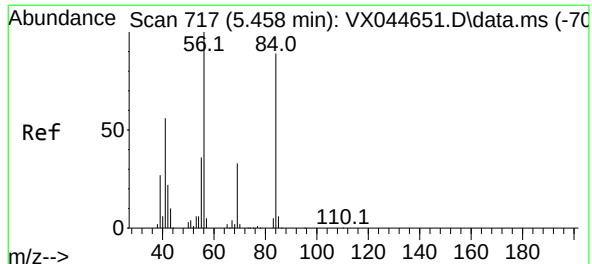
Tgt Ion: 83 Resp: 207551

Ion Ratio Lower Upper

83 100

85 66.8 51.2 76.8





#31

Cyclohexane

Concen: 53.957 ug/l

RT: 5.452 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 176773

Ion Ratio Lower Upper

56 100

69 29.8 26.8 40.2

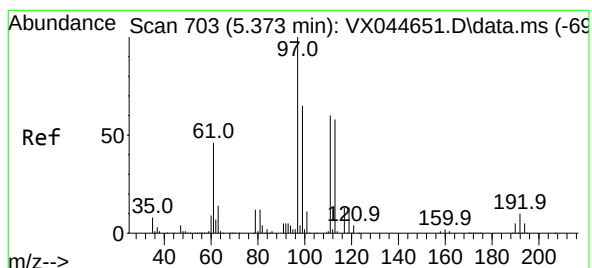
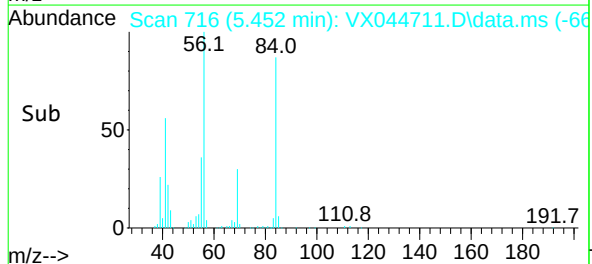
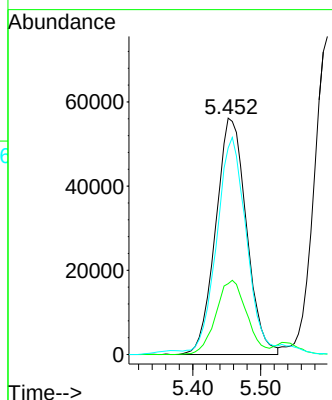
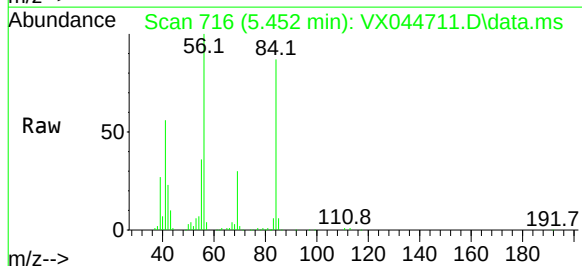
84 85.8 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#32

1,1,1-Trichloroethane

Concen: 45.490 ug/l

RT: 5.367 min Scan# 702

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

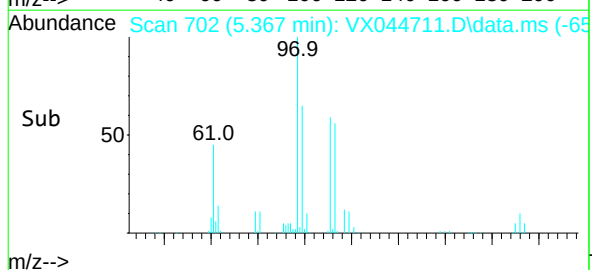
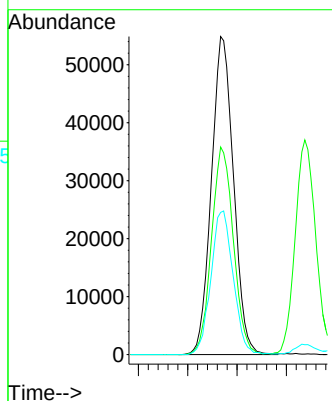
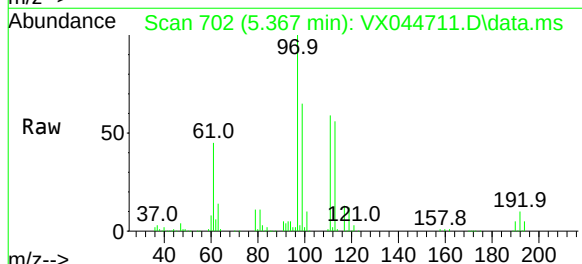
Tgt Ion: 97 Resp: 170957

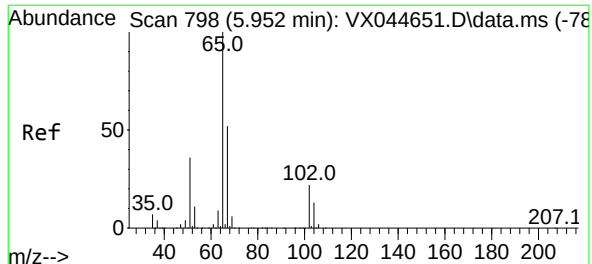
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 45.5 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 47.336 ug/l

RT: 5.946 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 123157

Ion Ratio Lower Upper

65 100

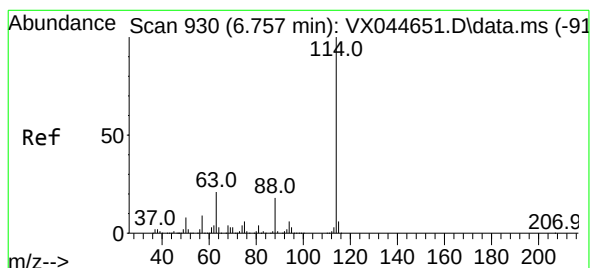
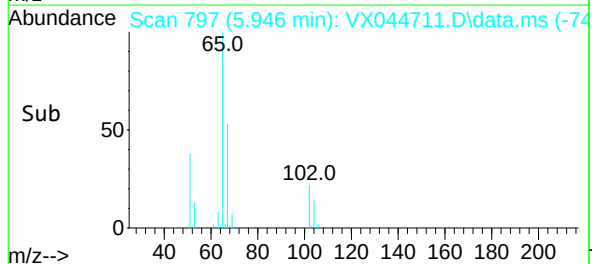
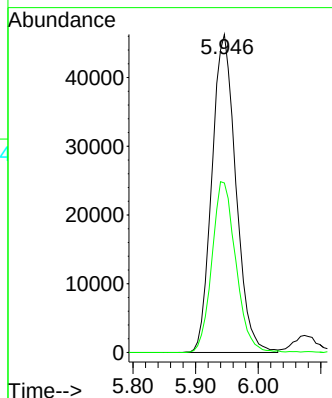
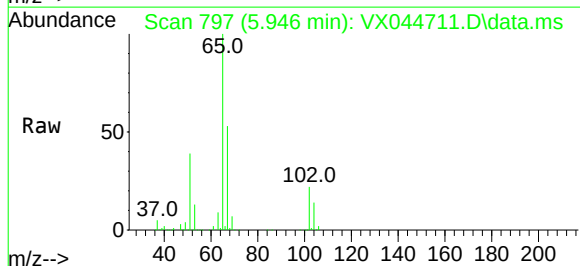
67 53.6 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

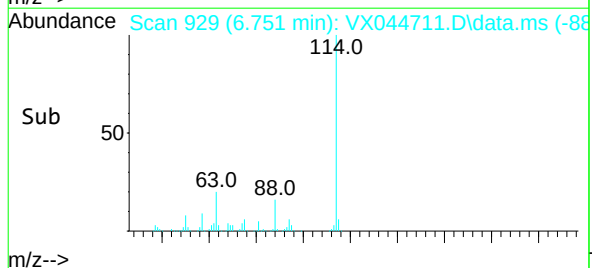
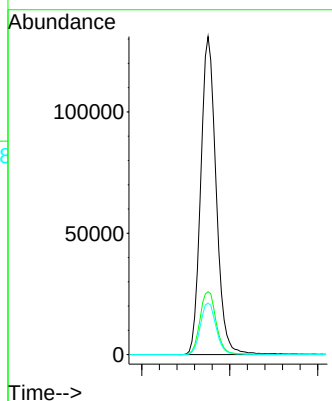
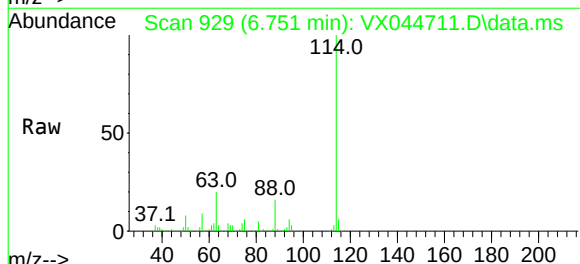
Tgt Ion:114 Resp: 318376

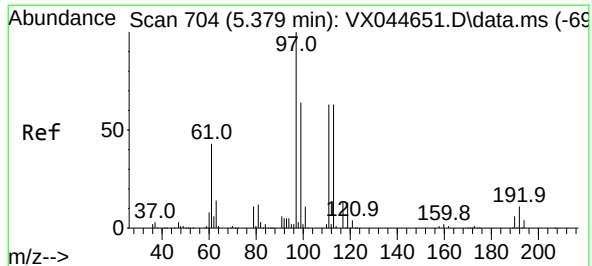
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.0

88 16.2 0.0 35.4





#35

Dibromofluoromethane

Concen: 49.831 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 100788

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

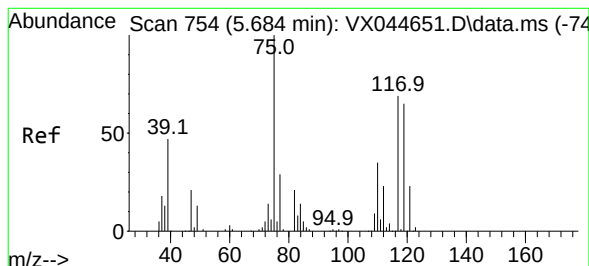
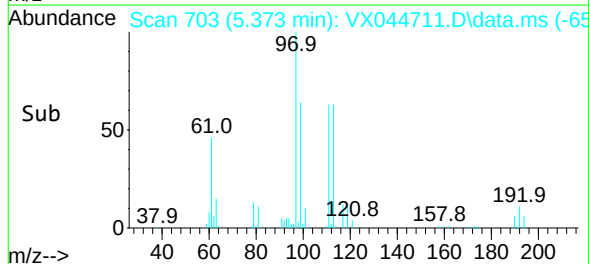
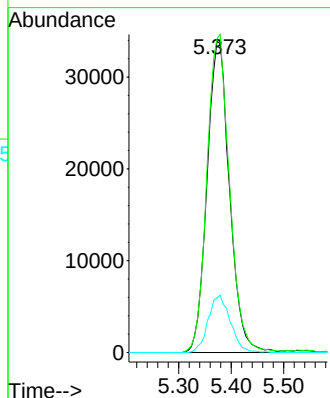
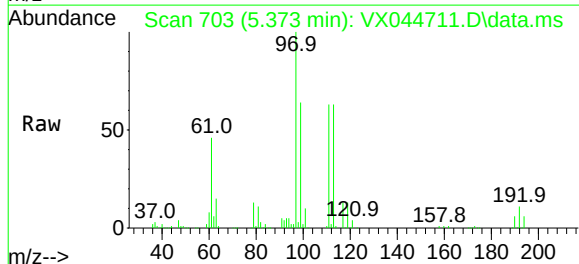
192 18.1 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#36

1,1-Dichloropropene

Concen: 48.940 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

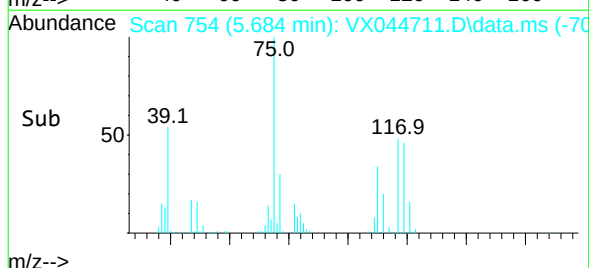
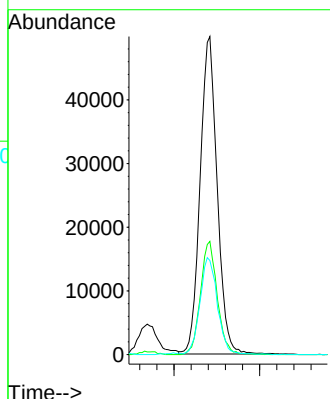
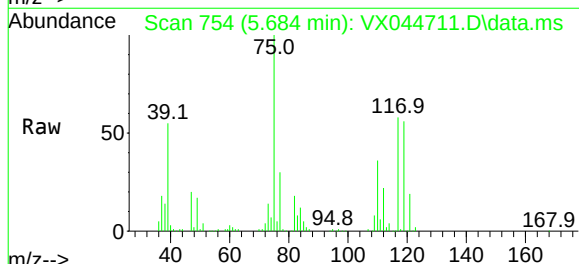
Tgt Ion: 75 Resp: 137792

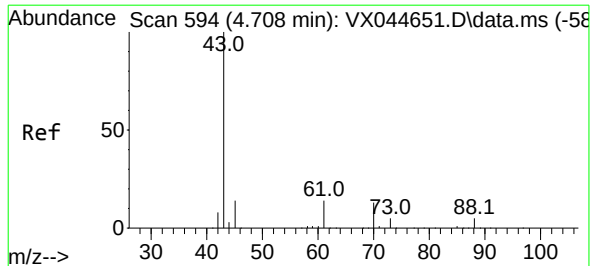
Ion Ratio Lower Upper

75 100

110 35.1 17.9 53.8

77 31.0 24.5 36.7





#37

Ethyl Acetate

Concen: 53.669 ug/l

RT: 4.702 min Scan# 59

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 160916

Ion Ratio Lower Upper

43 100

61 13.5 10.9 16.3

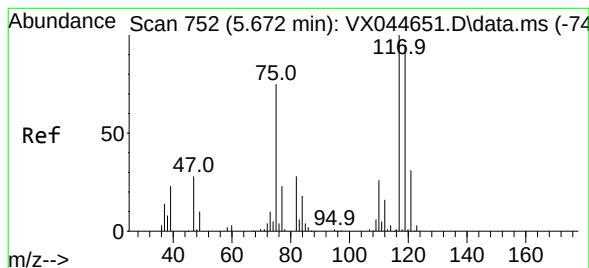
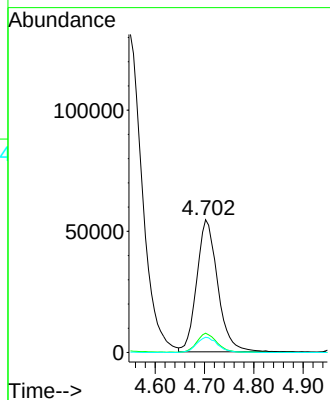
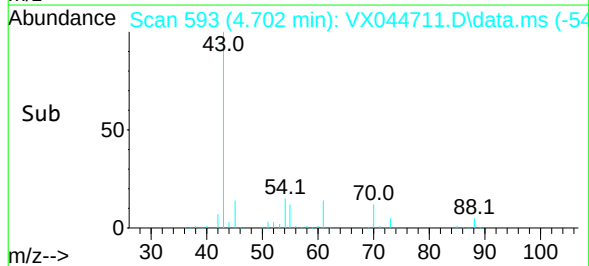
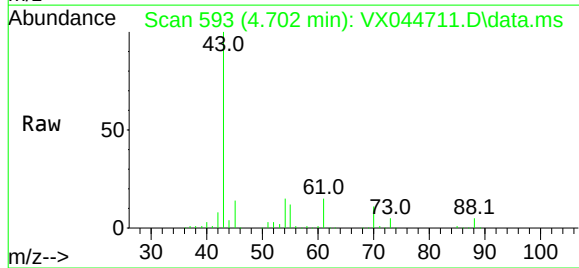
70 11.7 10.1 15.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#38

Carbon Tetrachloride

Concen: 45.521 ug/l

RT: 5.665 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

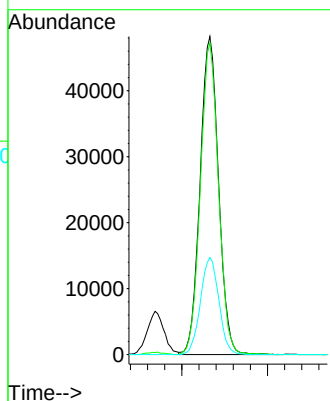
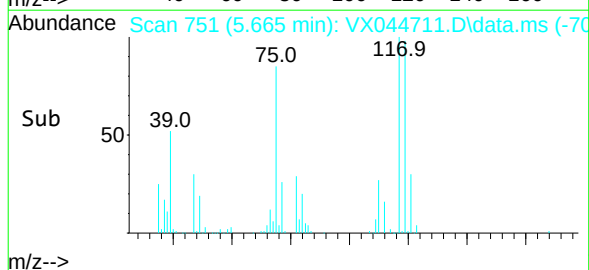
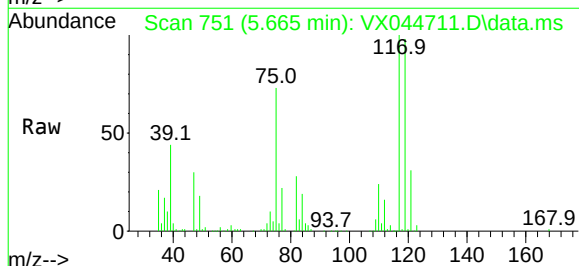
Tgt Ion:117 Resp: 144163

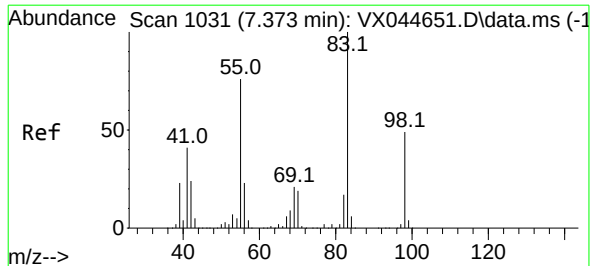
Ion Ratio Lower Upper

117 100

119 97.9 76.0 114.0

121 30.5 24.6 36.8





#39

Methylcyclohexane

Concen: 51.179 ug/l

RT: 7.372 min Scan# 10

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 191285

Ion Ratio Lower Upper

83 100

55 77.6 60.5 90.7

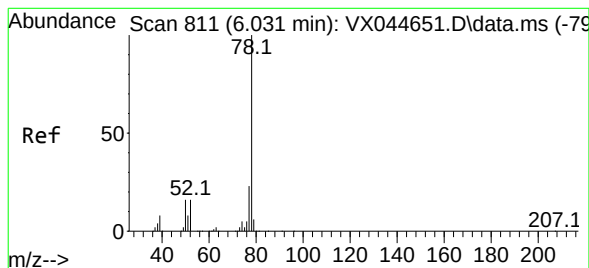
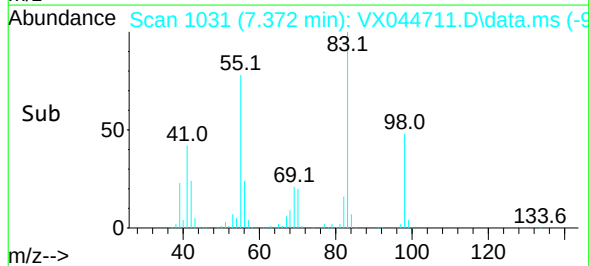
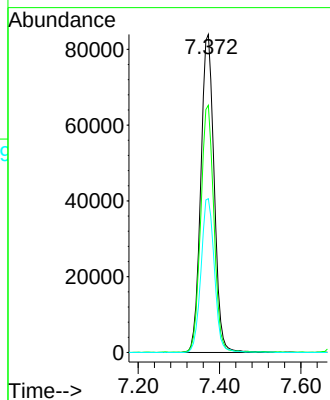
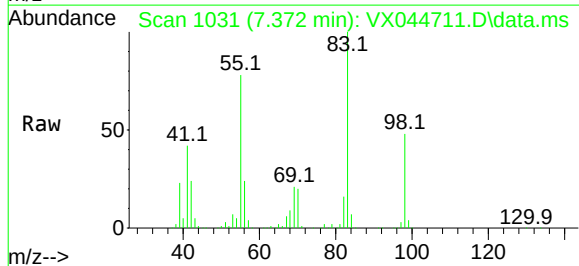
98 48.4 39.0 58.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#40

Benzene

Concen: 51.868 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX044711.D

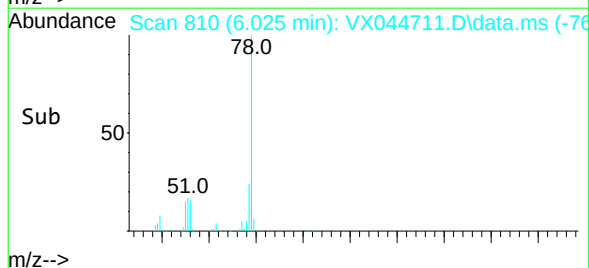
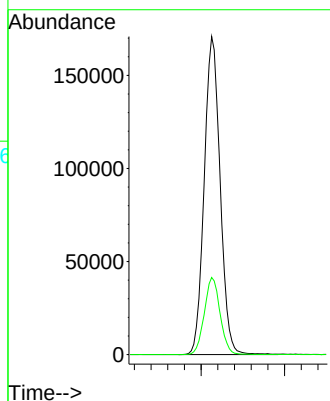
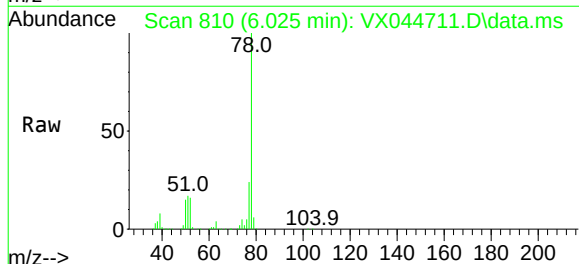
Acq: 27 Jan 2025 10:08

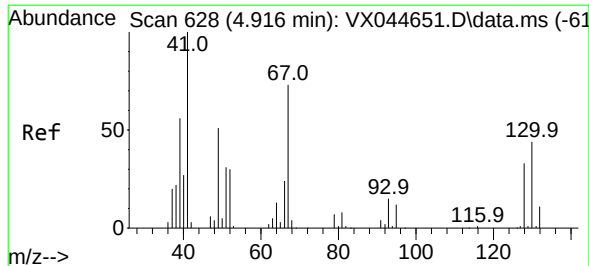
Tgt Ion: 78 Resp: 452521

Ion Ratio Lower Upper

78 100

77 24.3 18.7 28.1





#41

Methacrylonitrile

Concen: 52.289 ug/l

RT: 4.910 min Scan# 62

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 91356

Ion Ratio Lower Upper

41 100

39 53.9 44.4 66.6

67 74.1 60.6 90.8

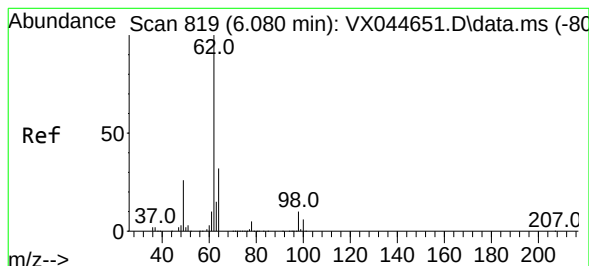
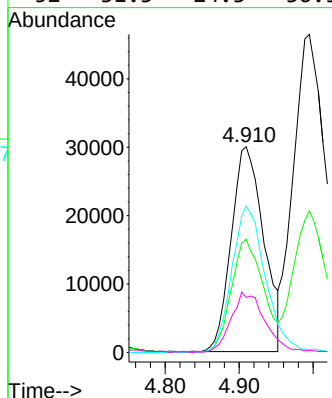
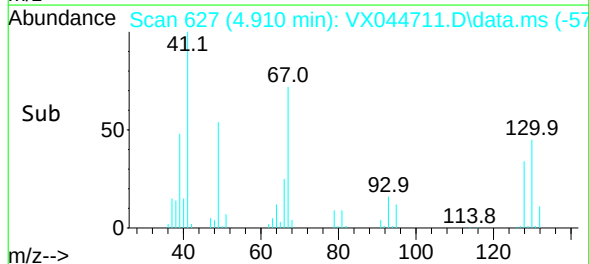
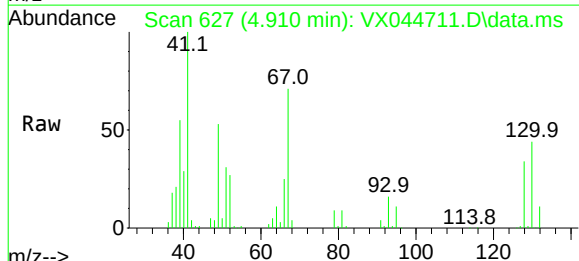
52 31.3 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#42

1,2-Dichloroethane

Concen: 48.725 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.006 min

Lab File: VX044711.D

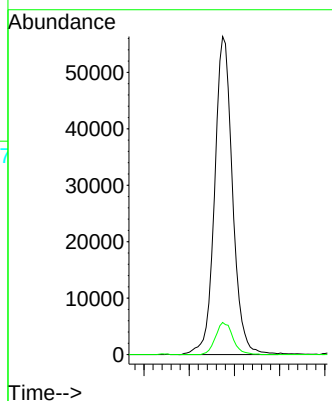
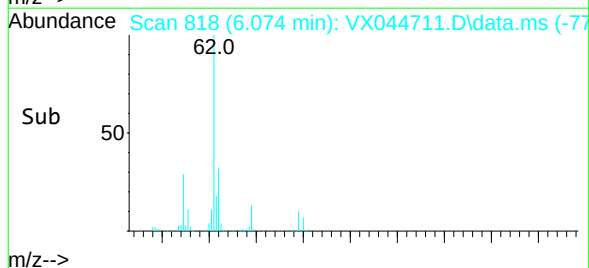
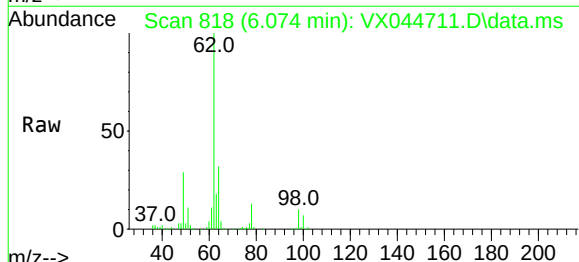
Acq: 27 Jan 2025 10:08

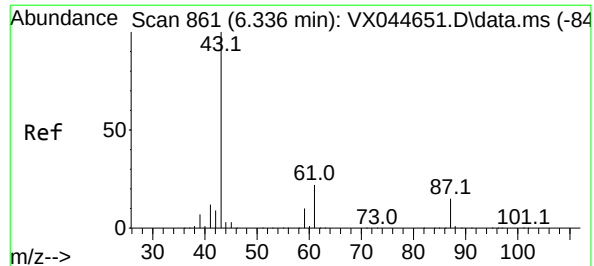
Tgt Ion: 62 Resp: 155155

Ion Ratio Lower Upper

62 100

98 9.8 0.0 19.4





#43

Isopropyl Acetate

Concen: 51.667 ug/l

RT: 6.330 min Scan# 861

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 284981

Ion Ratio Lower Upper

43 100

61 20.5 16.6 24.8

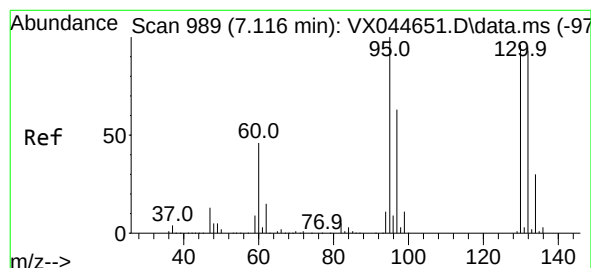
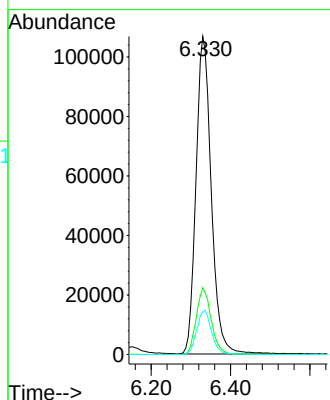
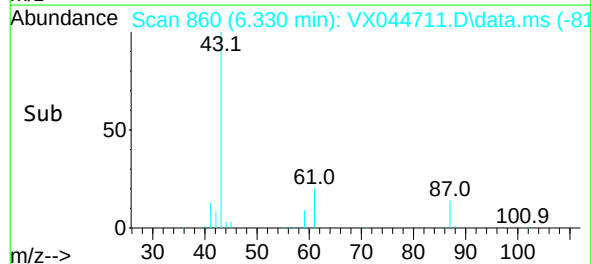
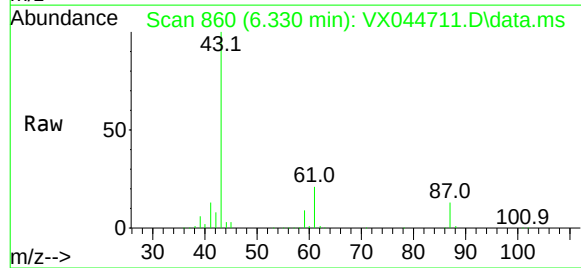
87 13.6 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#44

Trichloroethene

Concen: 50.413 ug/l

RT: 7.116 min Scan# 989

Delta R.T. -0.000 min

Lab File: VX044711.D

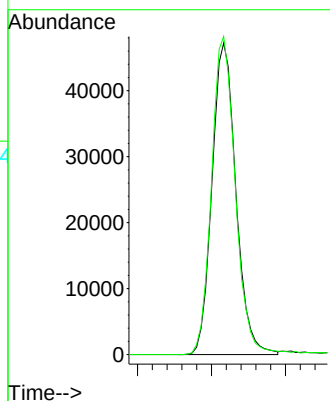
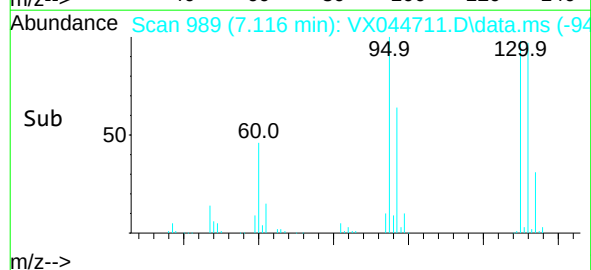
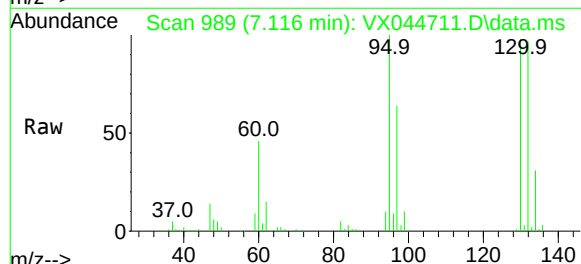
Acq: 27 Jan 2025 10:08

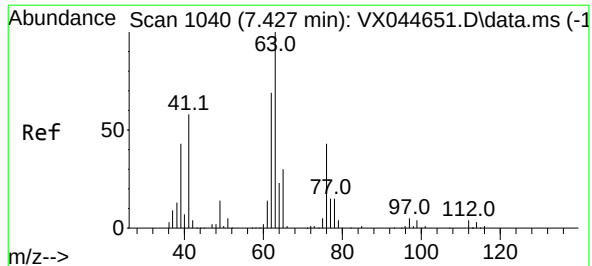
Tgt Ion:130 Resp: 105738

Ion Ratio Lower Upper

130 100

95 102.1 0.0 208.2





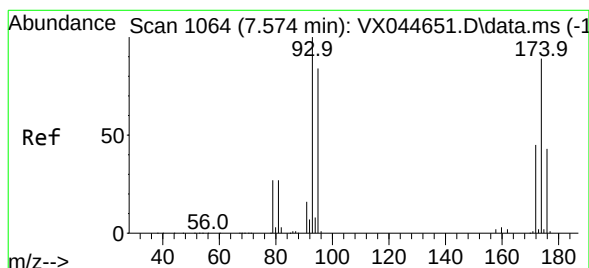
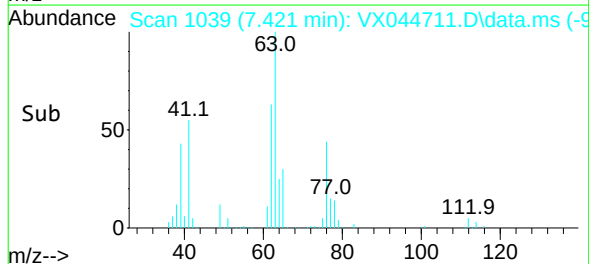
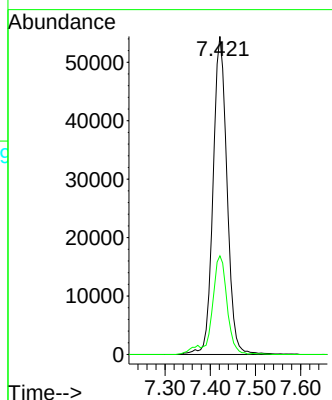
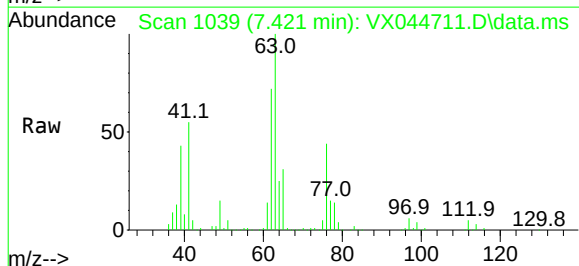
#45
1,2-Dichloropropane
Concen: 53.245 ug/l
RT: 7.421 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 116931
Ion Ratio Lower Upper
63 100
65 31.0 24.2 36.2

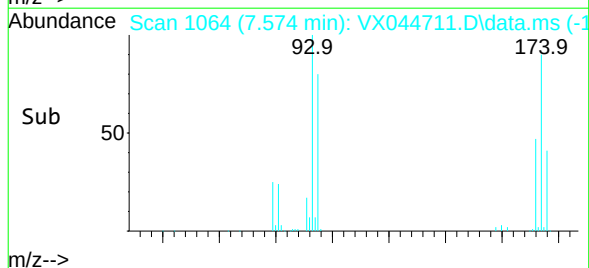
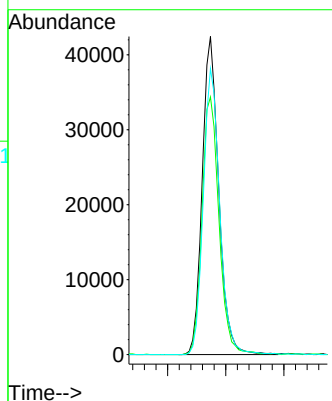
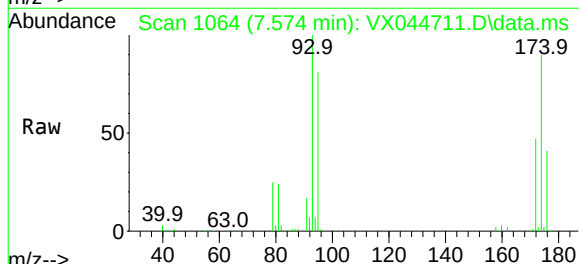
Manual Integrations
APPROVED

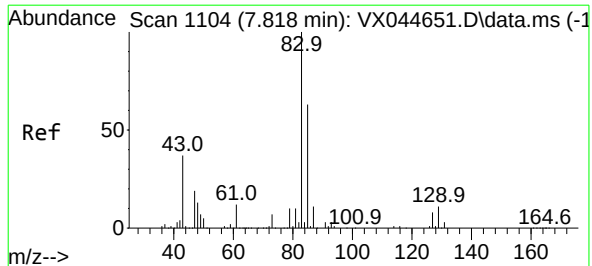
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#46
Dibromomethane
Concen: 50.244 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 93 Resp: 83999
Ion Ratio Lower Upper
93 100
95 82.8 66.4 99.6
174 89.7 72.0 108.0





#47

Bromodichloromethane

Concen: 49.656 ug/l

RT: 7.811 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 170245

Ion Ratio Lower Upper

83 100

85 64.2 50.1 75.1

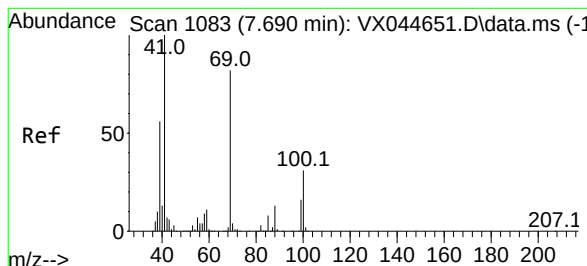
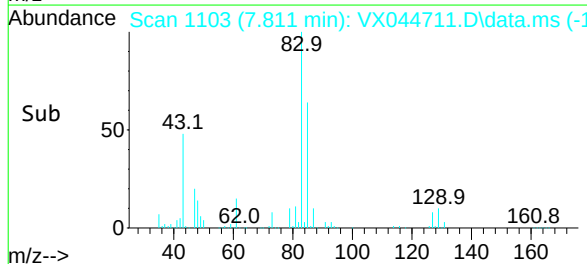
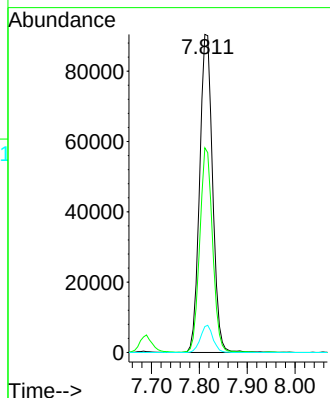
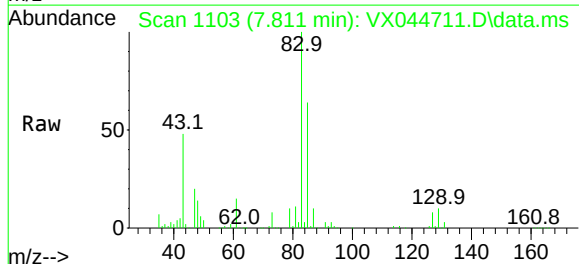
127 8.1 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#48

Methyl methacrylate

Concen: 53.829 ug/l

RT: 7.683 min Scan# 1082

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

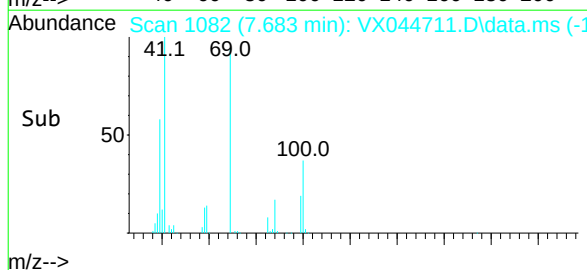
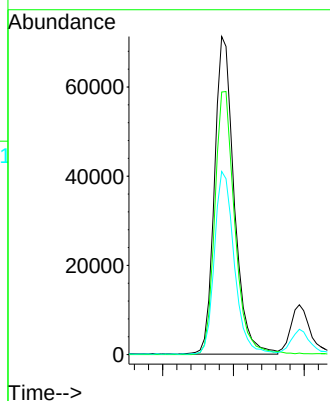
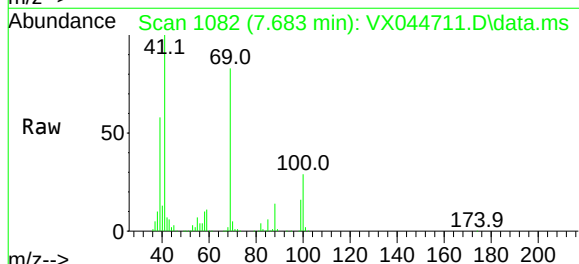
Tgt Ion: 41 Resp: 137818

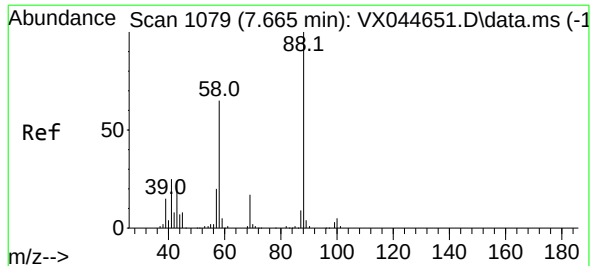
Ion Ratio Lower Upper

41 100

69 84.1 66.8 100.2

39 58.0 47.4 71.0





#49

1,4-Dioxane

Concen: 991.841 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 52981

Ion Ratio Lower Upper

88 100

43 33.2 27.0 40.4

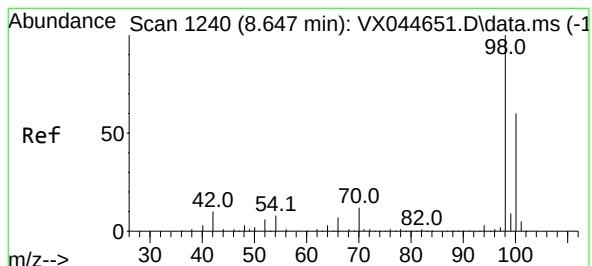
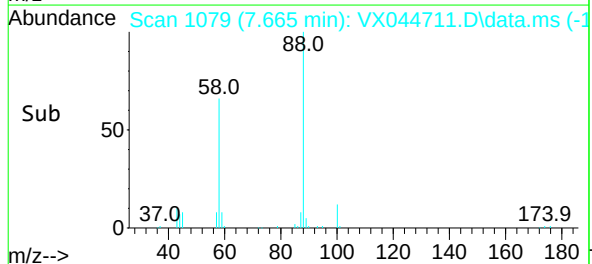
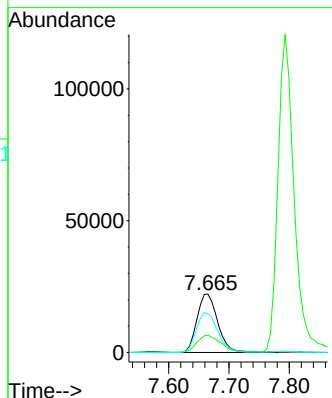
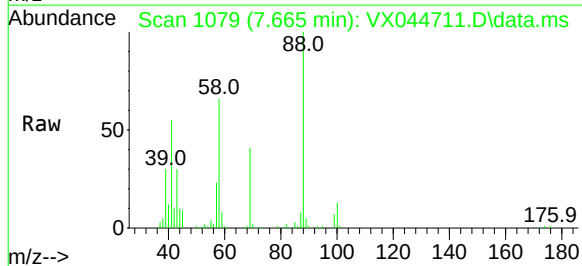
58 70.3 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#50

Toluene-d8

Concen: 50.477 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX044711.D

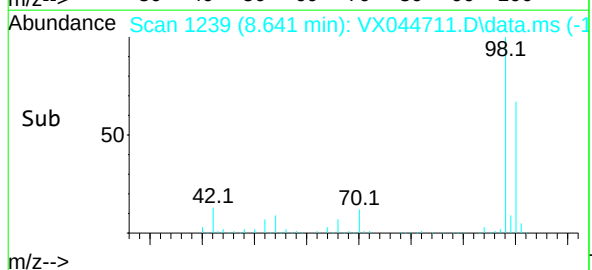
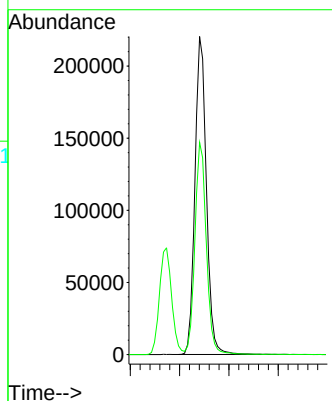
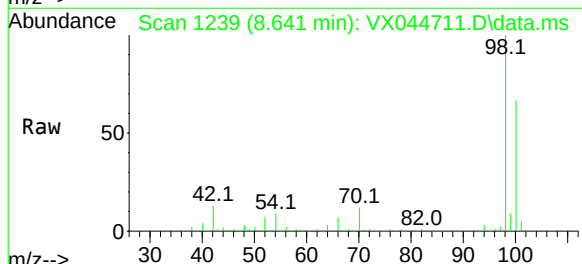
Acq: 27 Jan 2025 10:08

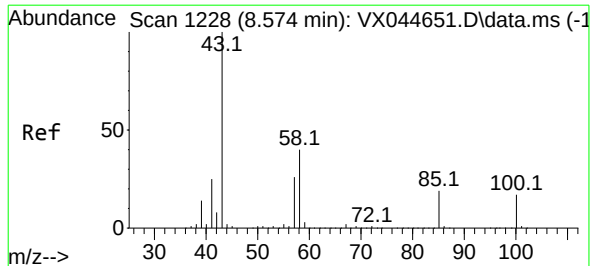
Tgt Ion: 98 Resp: 355984

Ion Ratio Lower Upper

98 100

100 66.4 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 264.229 ug/l

RT: 8.567 min Scan# 1228

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 805406

Ion Ratio Lower Upper

43 100

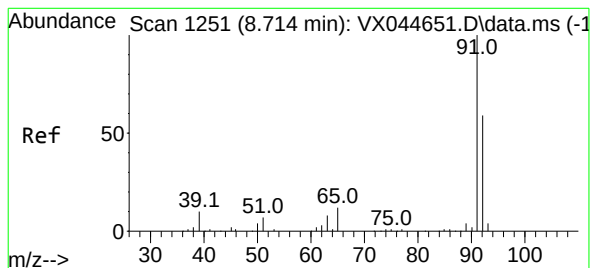
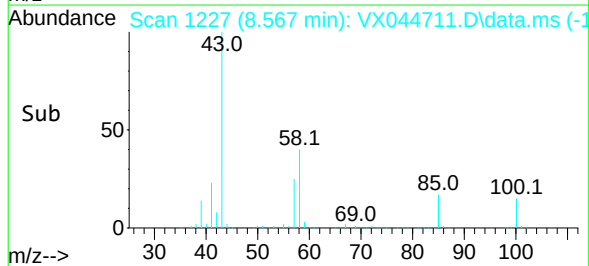
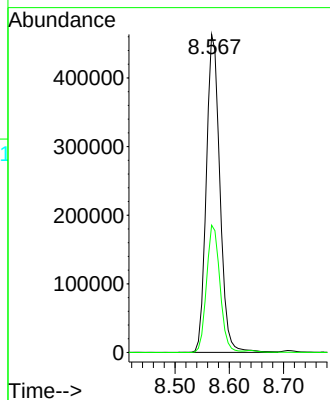
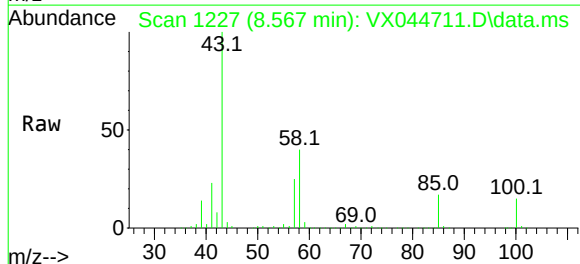
58 39.7 31.9 47.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#52

Toluene

Concen: 51.531 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX044711.D

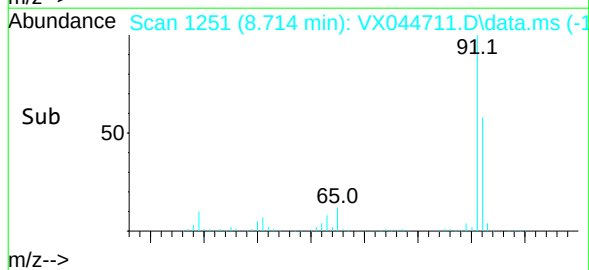
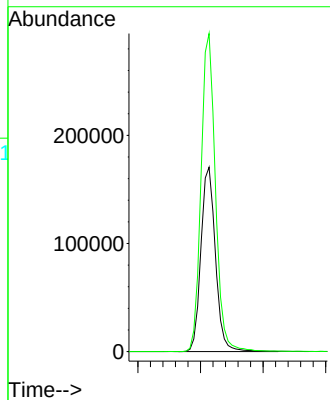
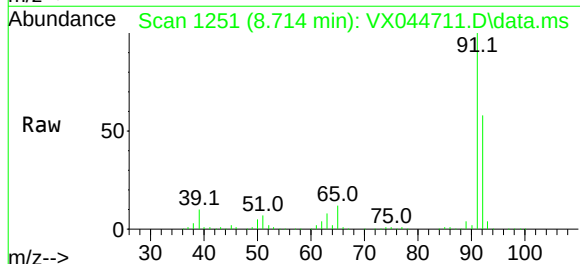
Acq: 27 Jan 2025 10:08

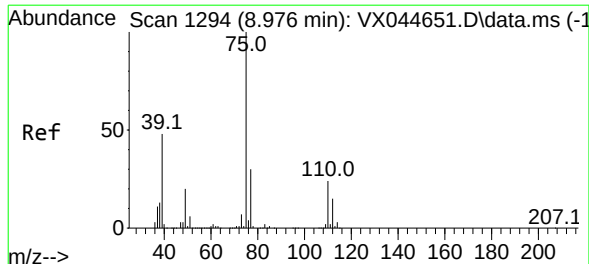
Tgt Ion: 92 Resp: 275176

Ion Ratio Lower Upper

92 100

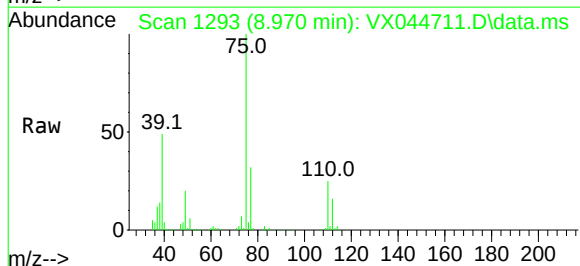
91 170.9 135.7 203.5





#53
t-1,3-Dichloropropene
Concen: 52.351 ug/l
RT: 8.970 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

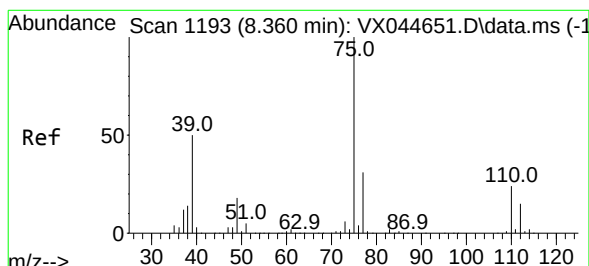
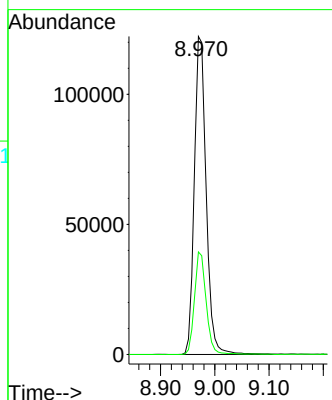
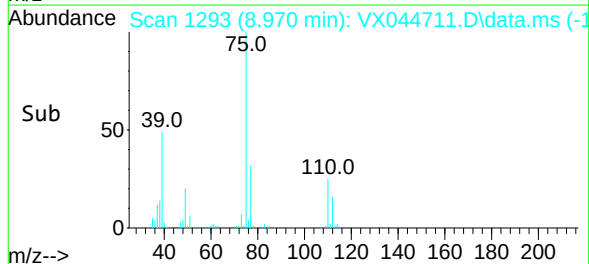
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 185440
Ion Ratio Lower Upper
75 100
77 32.2 24.4 36.6

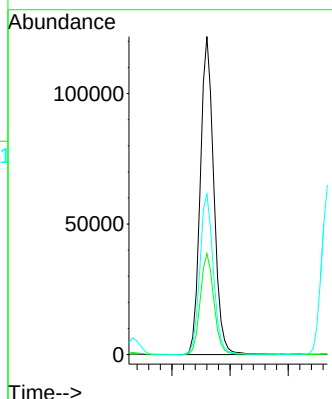
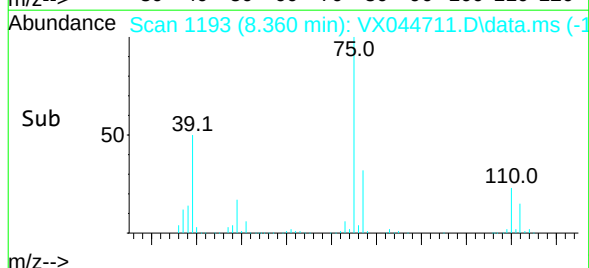
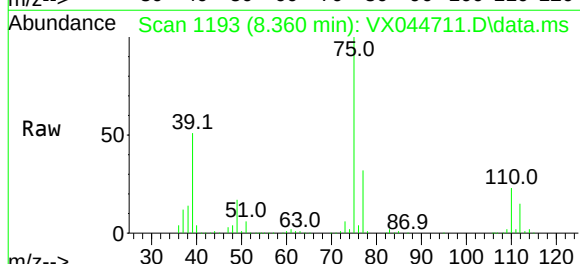
Manual Integrations
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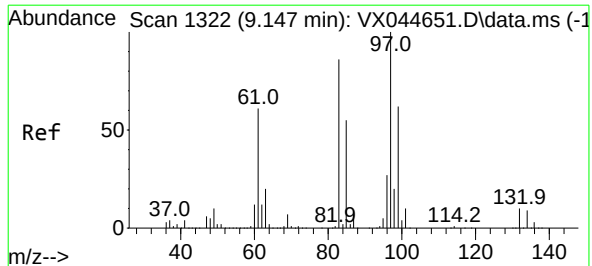
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#54
cis-1,3-Dichloropropene
Concen: 51.254 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

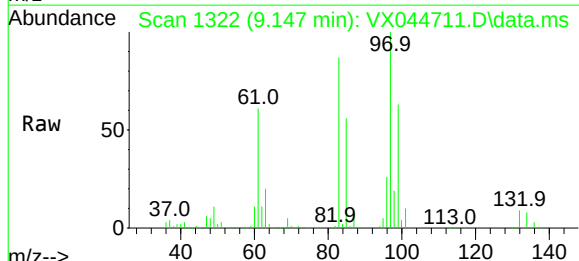
Tgt Ion: 75 Resp: 196861
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7
39 50.5 40.3 60.5





#55
1,1,2-Trichloroethane
Concen: 51.785 ug/l
RT: 9.147 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

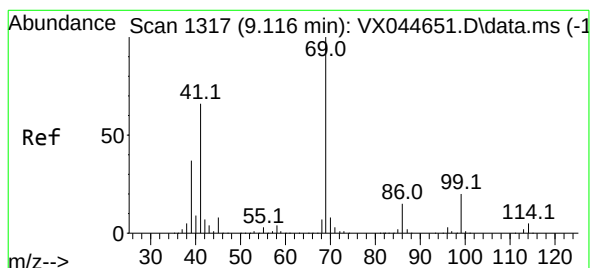
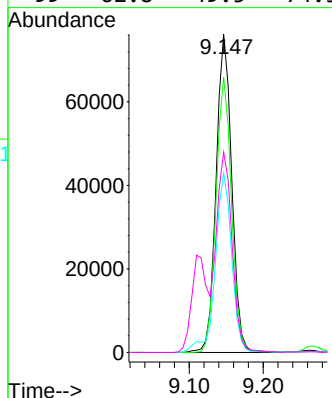
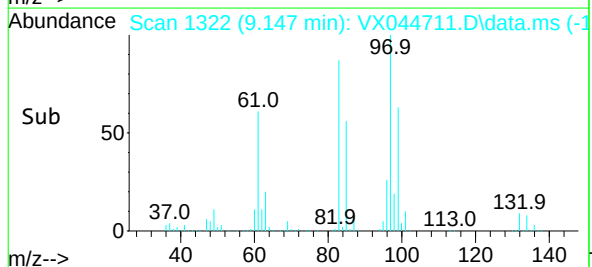
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



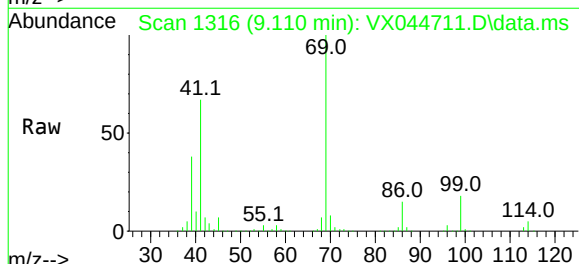
Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.8	103.2
85	56.3	43.7	65.5
99	62.8	49.5	74.3

Manual Integrations
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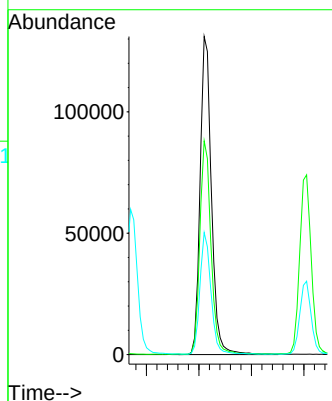
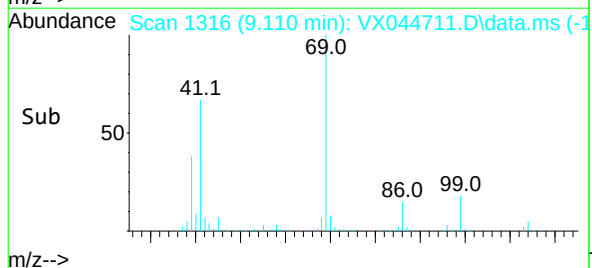
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

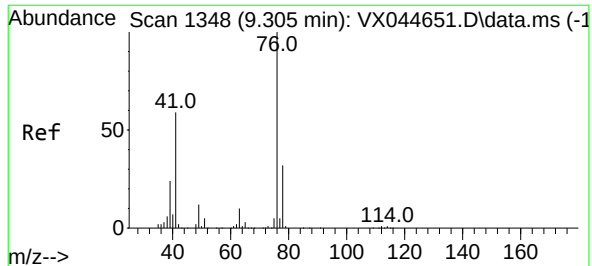


#56
Ethyl methacrylate
Concen: 52.829 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08



Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.2	79.8
39	37.4	30.2	45.2





#57

1,3-Dichloropropane

Concen: 52.726 ug/l

RT: 9.305 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 193983

Ion Ratio Lower Upper

76 100

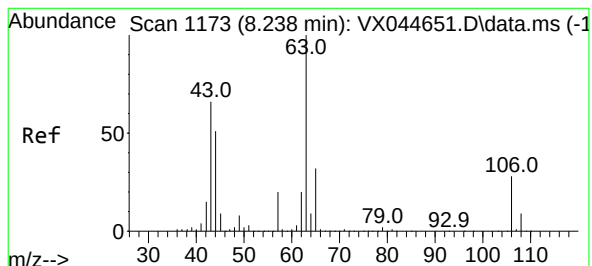
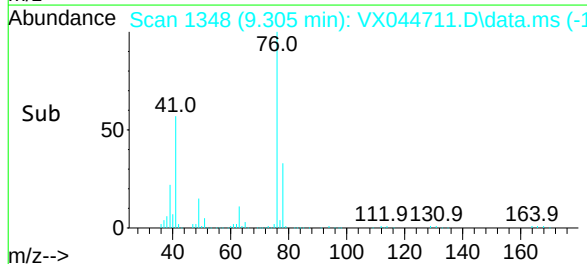
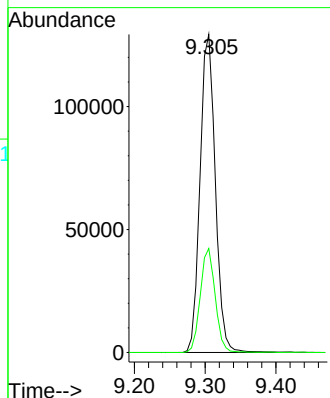
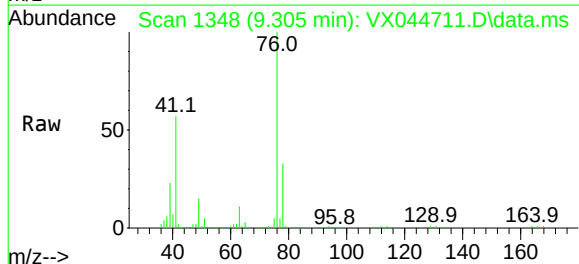
78 31.9 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#58

2-Chloroethyl Vinyl ether

Concen: 247.155 ug/l

RT: 8.232 min Scan# 1172

Delta R.T. -0.006 min

Lab File: VX044711.D

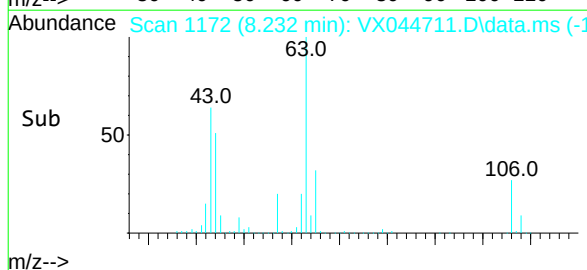
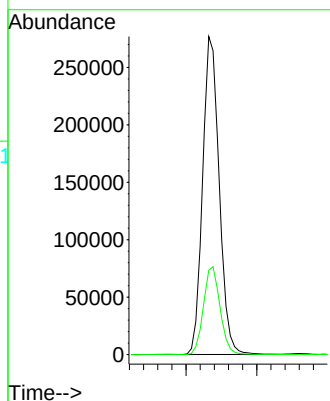
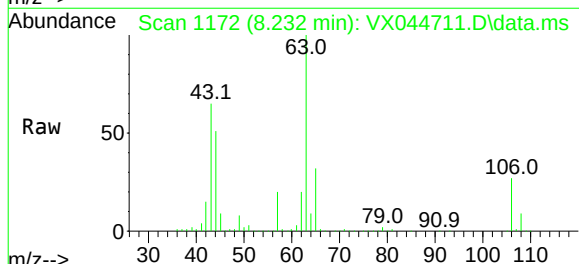
Acq: 27 Jan 2025 10:08

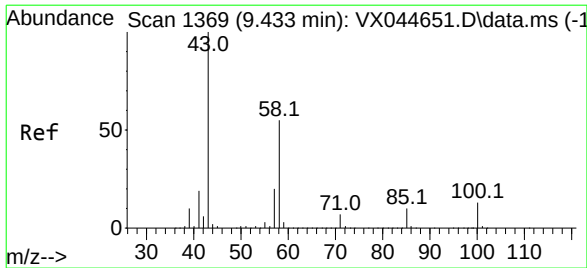
Tgt Ion: 63 Resp: 450749

Ion Ratio Lower Upper

63 100

106 27.8 23.0 34.6





#59

2-Hexanone

Concen: 258.046 ug/l

RT: 9.427 min Scan# 1369

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Tgt Ion: 43 Resp: 578675

Ion Ratio Lower Upper

43 100

58 56.5 27.8 83.3

Instrument :

MSVOA_X

ClientSampleId :

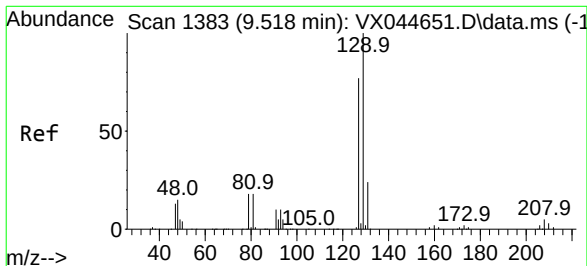
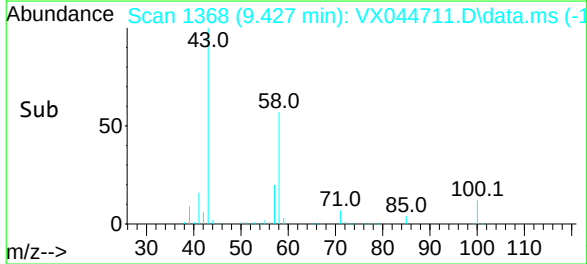
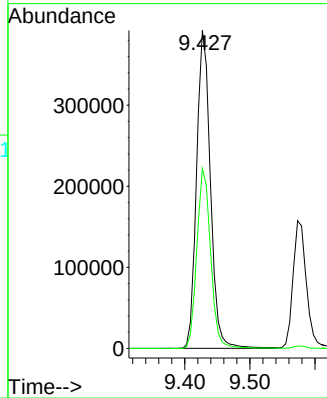
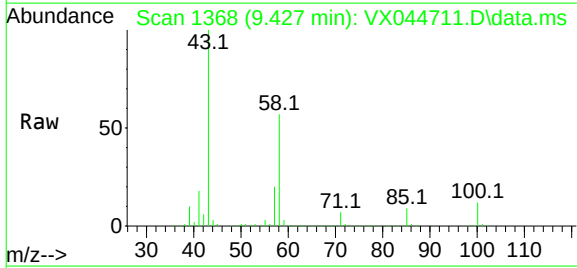
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#60

Dibromochloromethane

Concen: 51.638 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044711.D

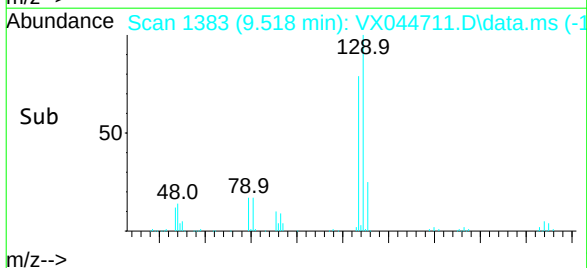
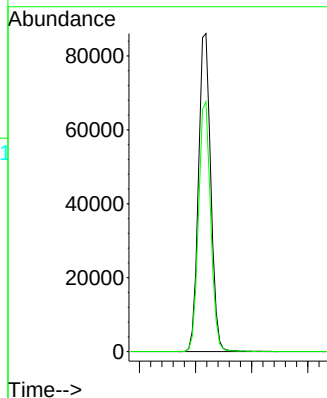
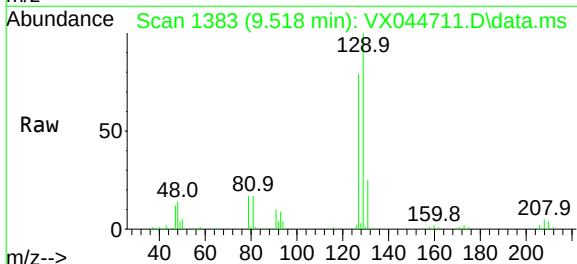
Acq: 27 Jan 2025 10:08

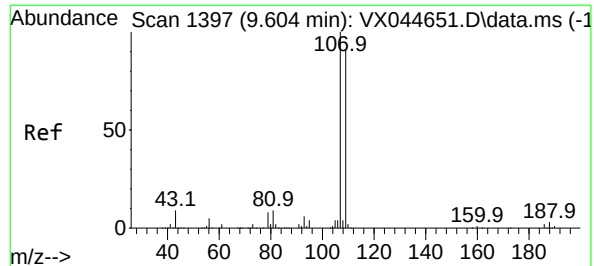
Tgt Ion:129 Resp: 130942

Ion Ratio Lower Upper

129 100

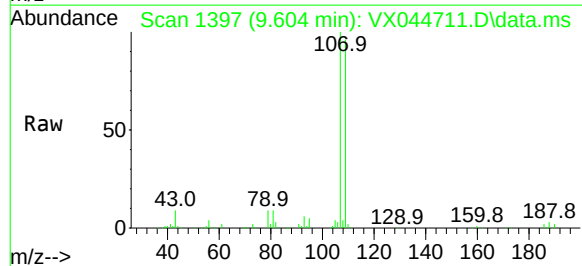
127 77.5 38.5 115.5





#61
1,2-Dibromoethane
Concen: 51.277 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

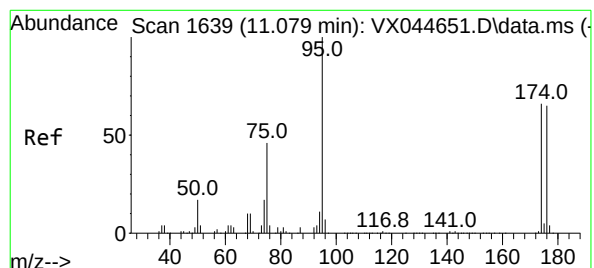
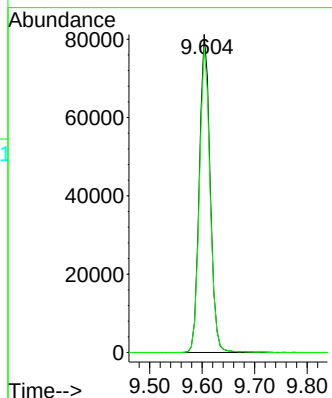
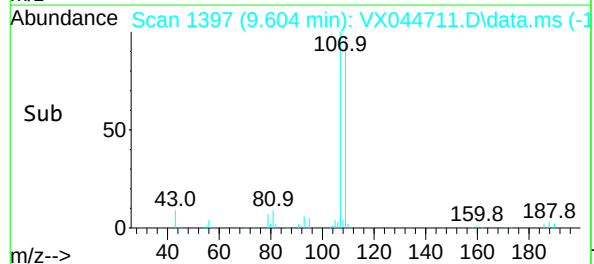
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 107 Resp: 116099
Ion Ratio Lower Upper
107 100
109 94.9 75.3 112.9

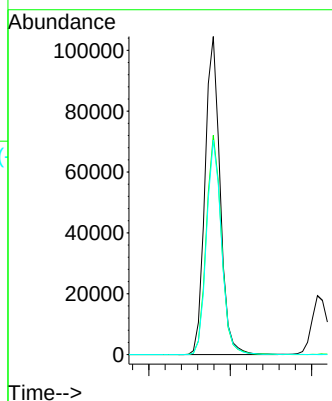
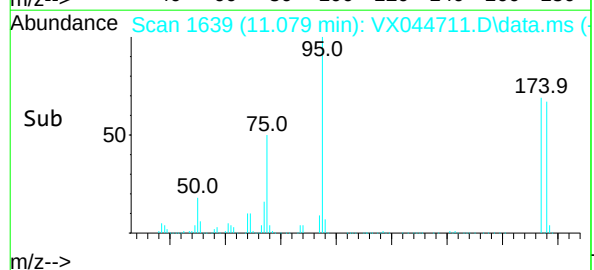
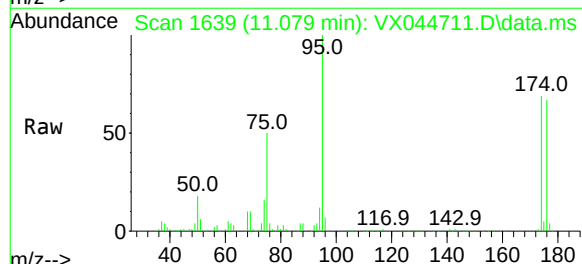
Manual Integrations
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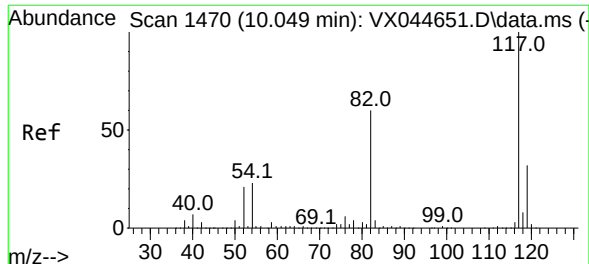
Reviewed By : John Carlone 01/28/2025
Supervised By : Mahesh Dadoda 01/28/2025



#62
4-Bromofluorobenzene
Concen: 51.142 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 95 Resp: 134456
Ion Ratio Lower Upper
95 100
174 69.0 0.0 133.0
176 67.1 0.0 129.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:117 Resp: 277935

Ion Ratio Lower Upper

117 100

82 57.9 47.6 71.4

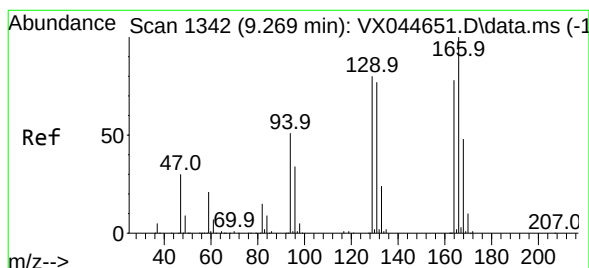
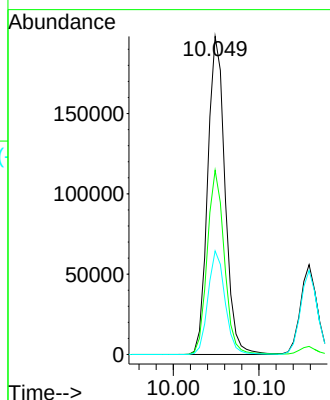
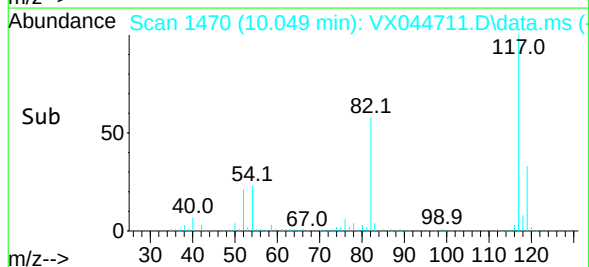
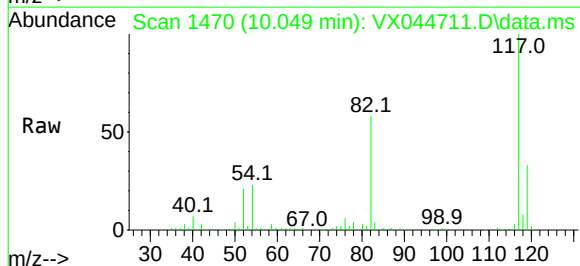
119 32.6 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#64

Tetrachloroethene

Concen: 48.623 ug/l

RT: 9.268 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Tgt Ion:164 Resp: 84859

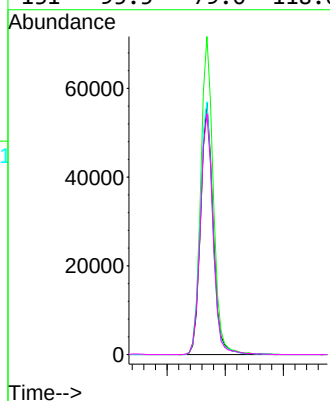
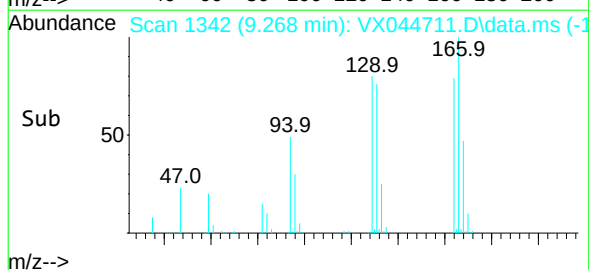
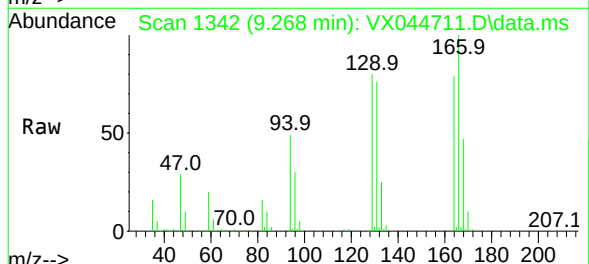
Ion Ratio Lower Upper

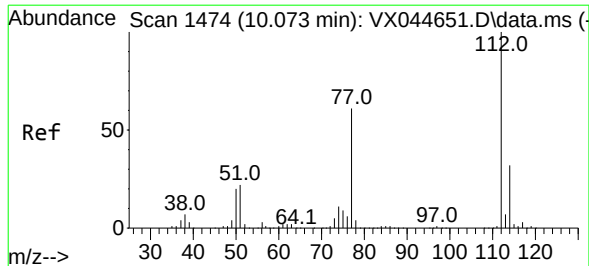
164 100

166 126.3 102.0 153.0

129 100.4 81.1 121.7

131 95.5 79.0 118.6





#65

Chlorobenzene

Concen: 51.069 ug/l

RT: 10.073 min Scan# 1474

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 301484

Ion Ratio Lower Upper

112 100

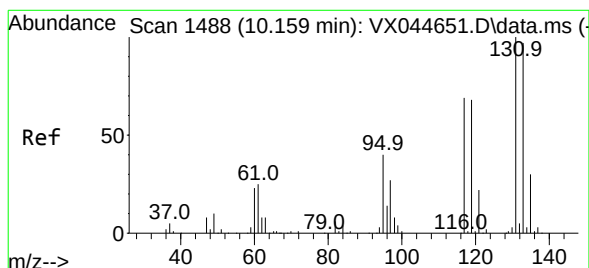
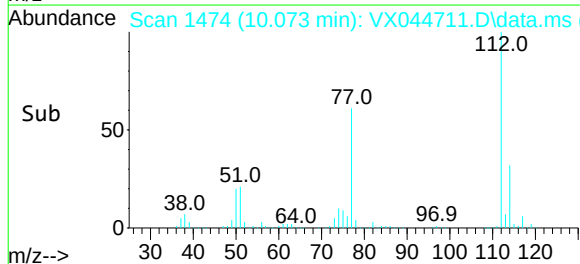
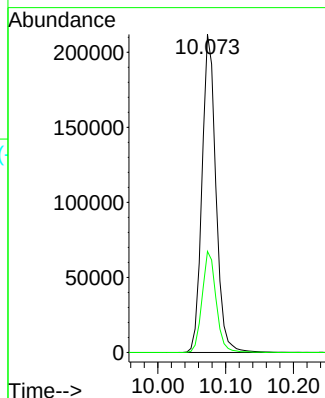
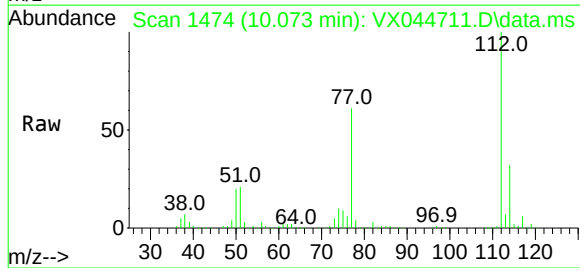
114 31.8 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 48.599 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

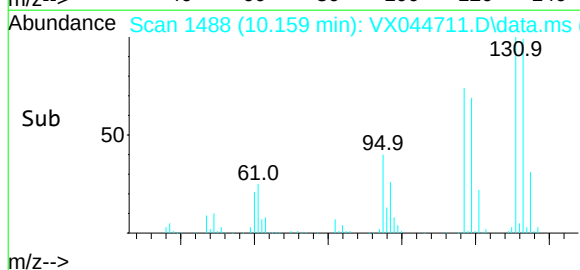
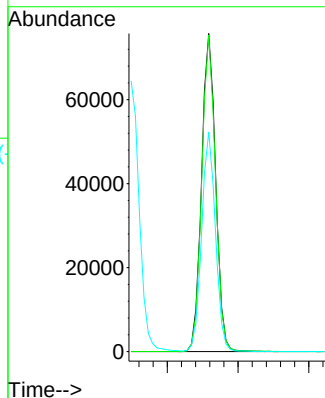
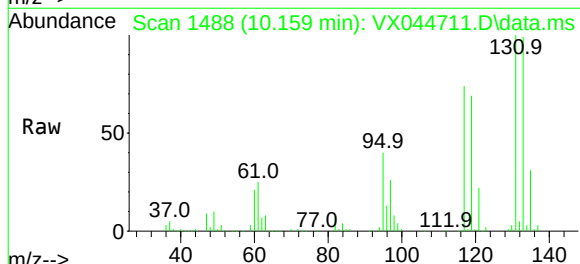
Tgt Ion:131 Resp: 104268

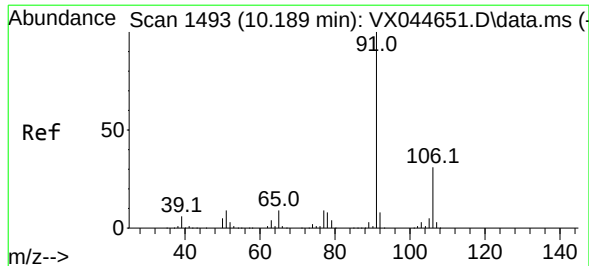
Ion Ratio Lower Upper

131 100

133 97.3 47.8 143.3

119 68.2 33.4 100.2





#67

Ethyl Benzene

Concen: 50.576 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX044711.D

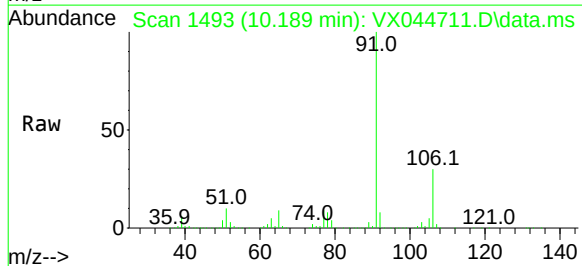
Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050



Tgt Ion: 91 Resp: 520975

Ion Ratio Lower Upper

91 100

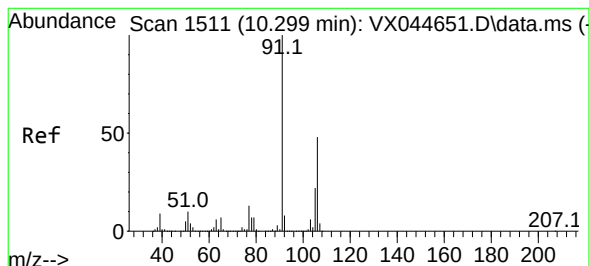
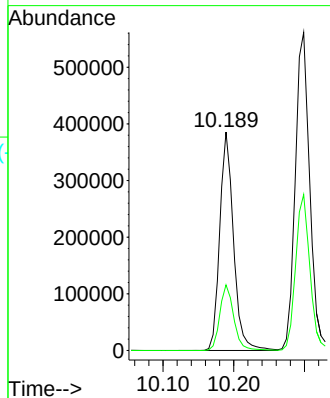
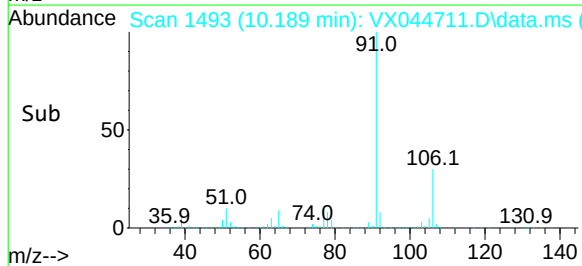
106 30.0 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#68

m/p-Xylenes

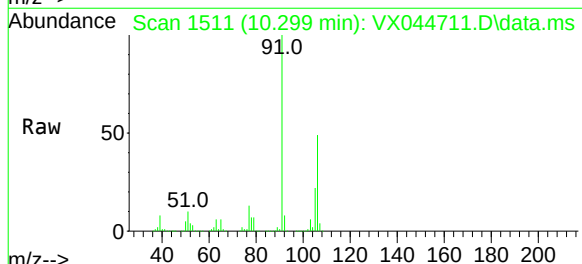
Concen: 102.049 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

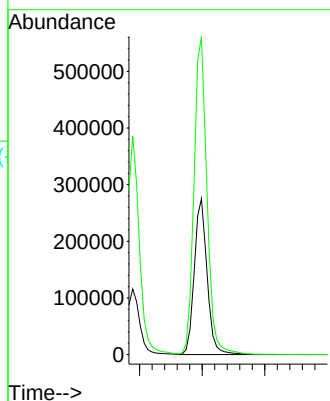
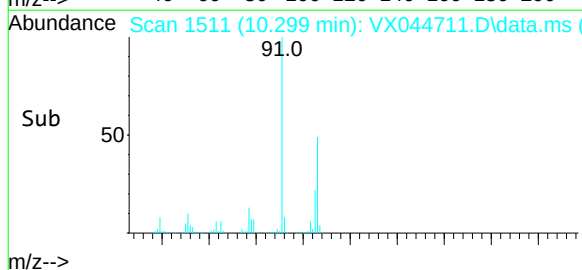


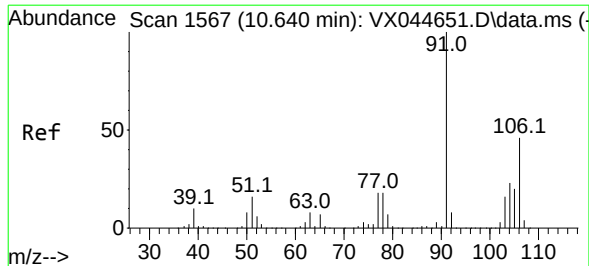
Tgt Ion:106 Resp: 390083

Ion Ratio Lower Upper

106 100

91 206.2 166.4 249.6





#69

o-Xylene

Concen: 49.989 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:106 Resp: 193241

Ion Ratio Lower Upper

106 100

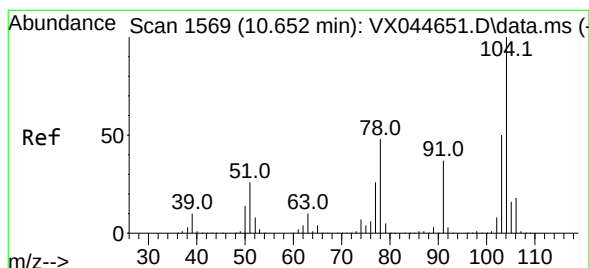
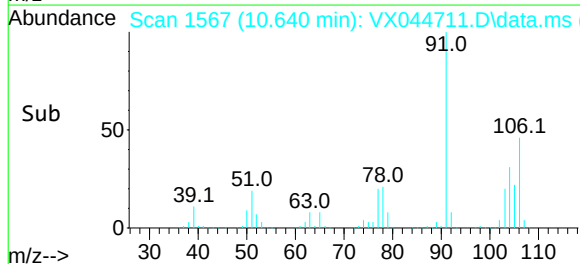
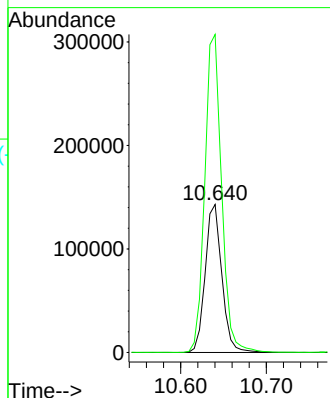
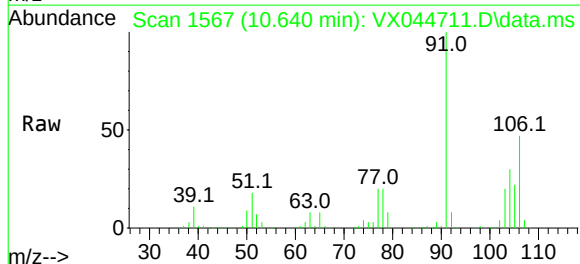
91 216.6 108.7 326.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#70

Styrene

Concen: 53.068 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

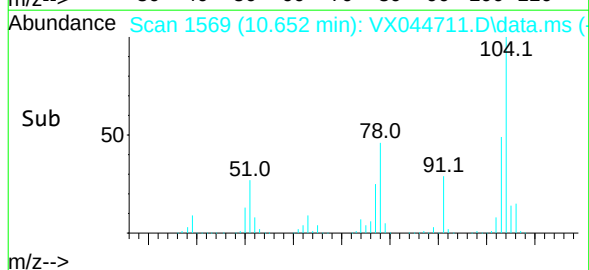
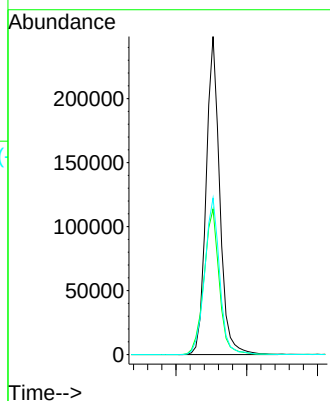
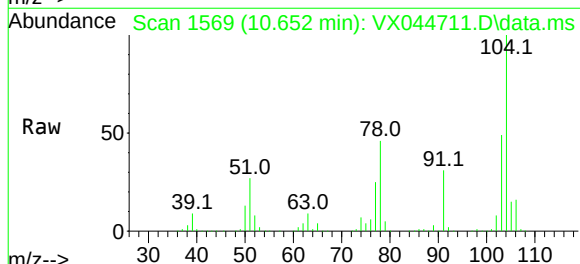
Tgt Ion:104 Resp: 331210

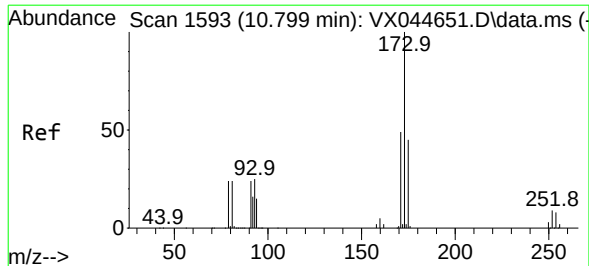
Ion Ratio Lower Upper

104 100

78 51.5 43.0 64.6

103 54.3 43.4 65.2





#71

Bromoform

Concen: 49.769 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 86906

Ion Ratio Lower Upper

173 100

175 48.5 23.6 70.8

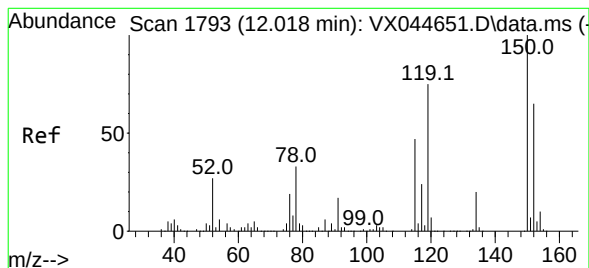
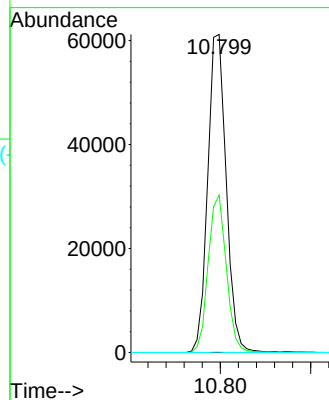
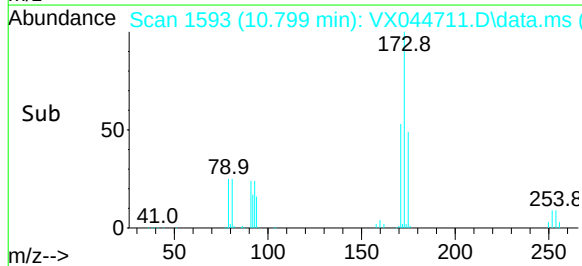
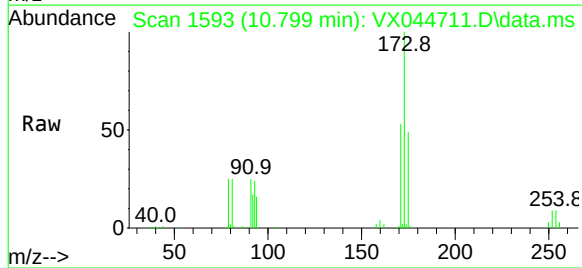
254 0.1 0.1 0.1#

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

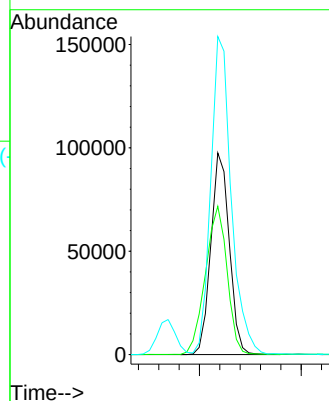
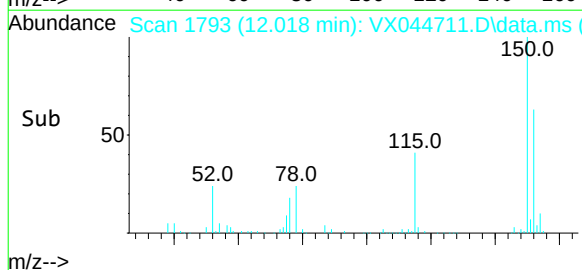
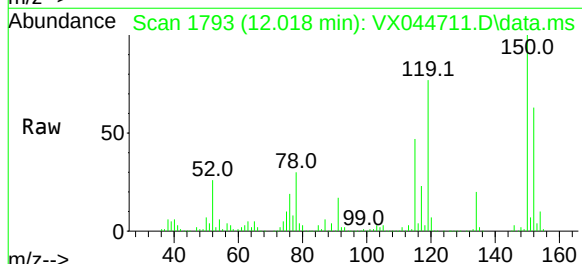
Tgt Ion:152 Resp: 123095

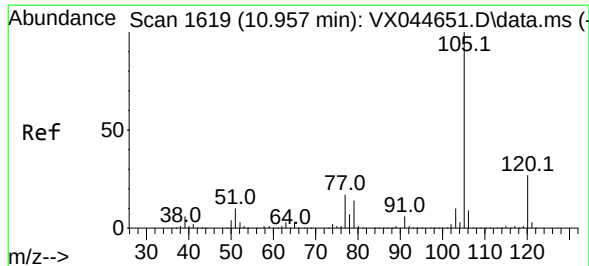
Ion Ratio Lower Upper

152 100

115 86.6 43.8 131.4

150 175.6 0.0 347.8





#73

Isopropylbenzene

Concen: 47.772 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 480397

Ion Ratio Lower Upper

105 100

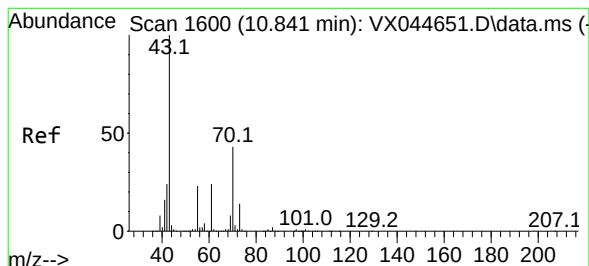
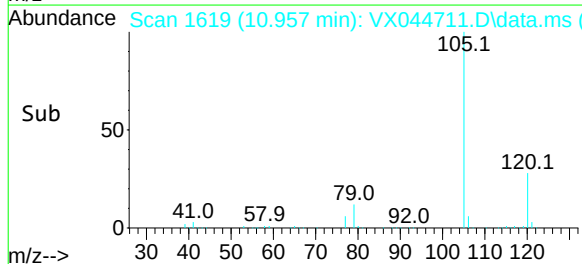
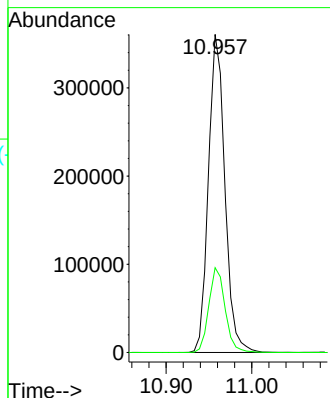
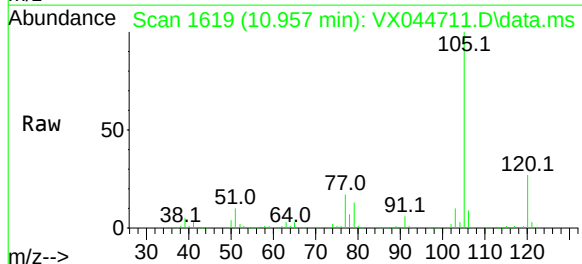
120 26.4 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#74

N-ethyl acetate

Concen: 48.507 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Tgt Ion: 43 Resp: 240430

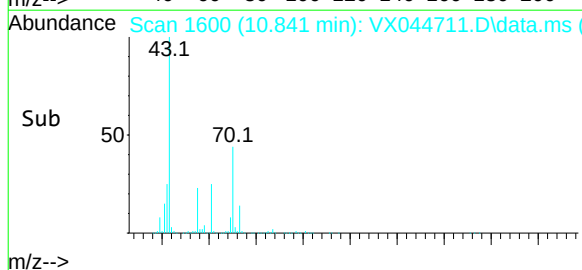
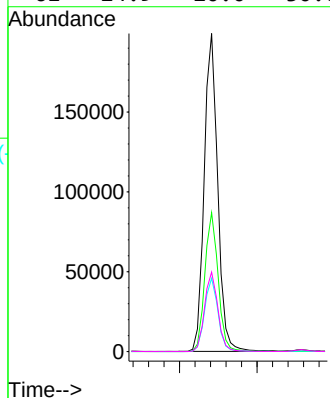
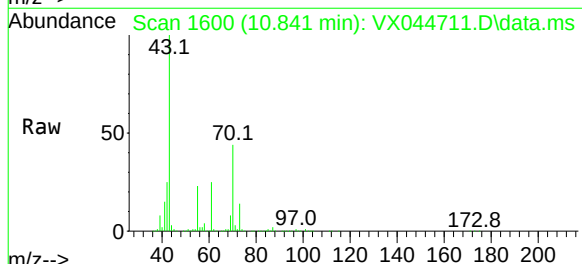
Ion Ratio Lower Upper

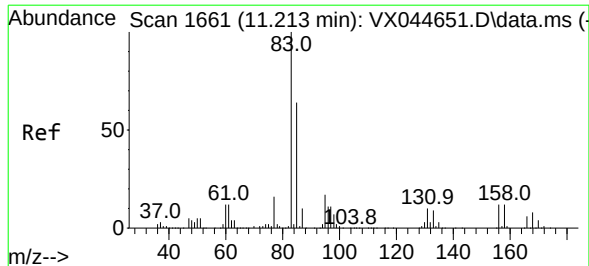
43 100

70 43.2 35.2 52.8

55 23.0 19.0 28.4

61 24.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.822 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

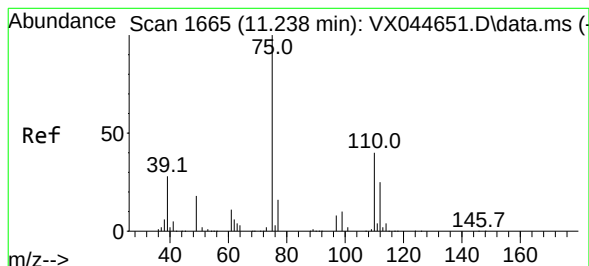
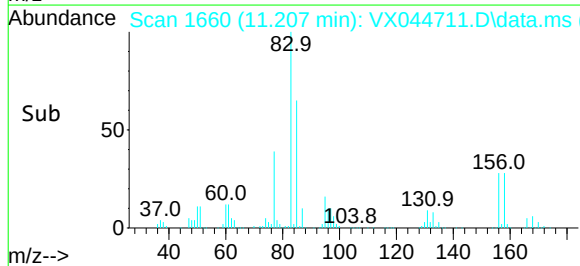
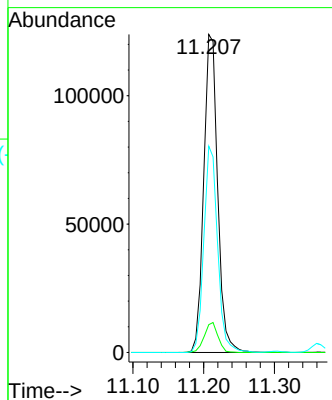
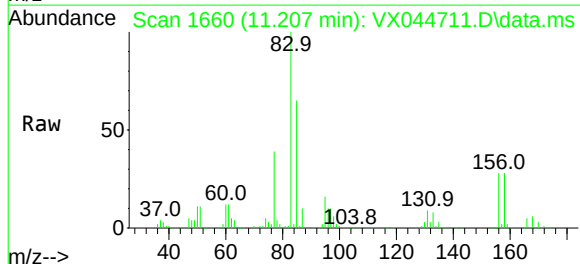
VSTDCCC050

Tgt Ion:	83	Resp:	169562
Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.0	14.9
85	64.2	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#76

1,2,3-Trichloropropane

Concen: 47.797 ug/l m

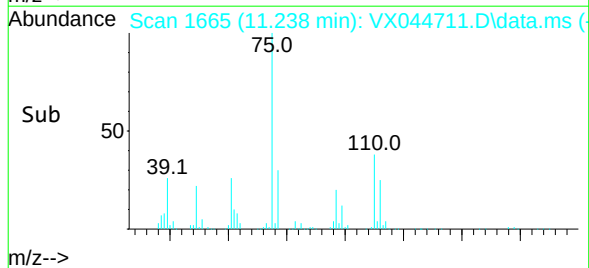
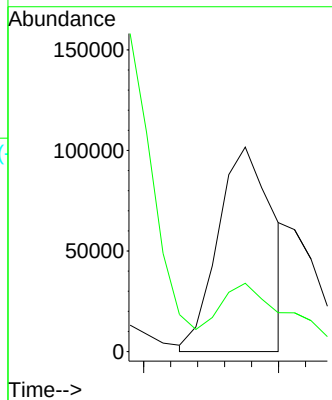
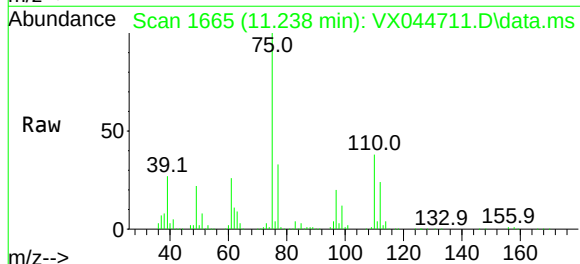
RT: 11.238 min Scan# 1665

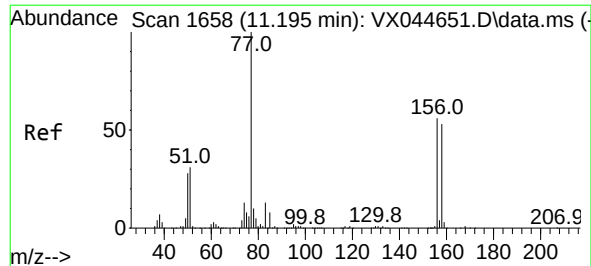
Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Tgt Ion:	75	Resp:	142785
Ion	Ratio	Lower	Upper
75	100		
77	43.7	23.4	70.2





#77

Bromobenzene

Concen: 49.729 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 116886

Ion Ratio Lower Upper

156 100

77 178.6 90.3 271.0

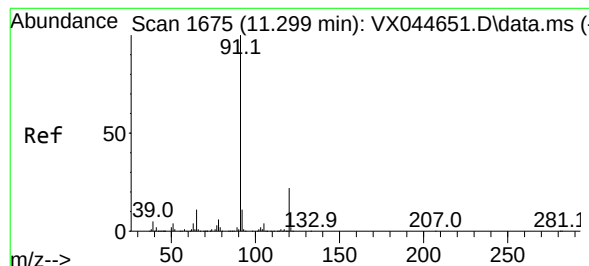
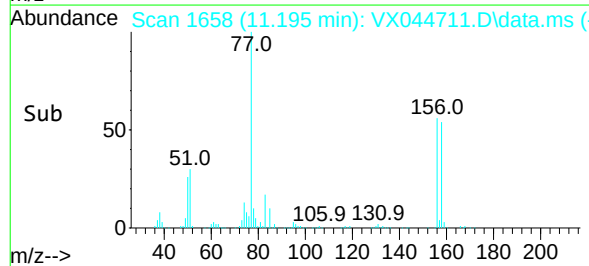
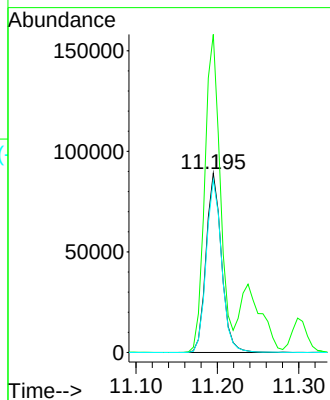
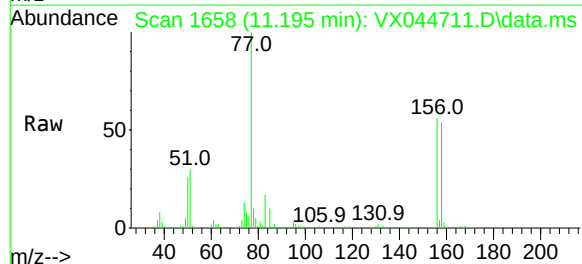
158 96.7 48.4 145.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#78

n-propylbenzene

Concen: 50.743 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. -0.000 min

Lab File: VX044711.D

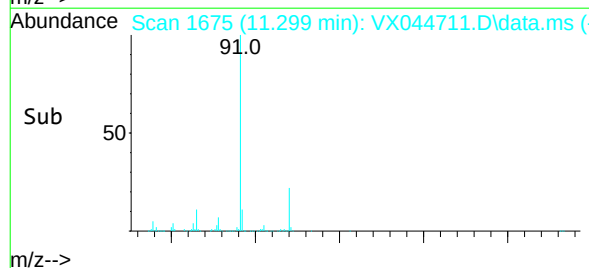
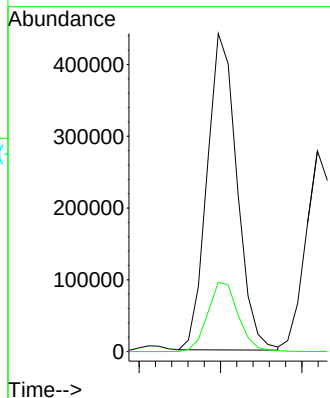
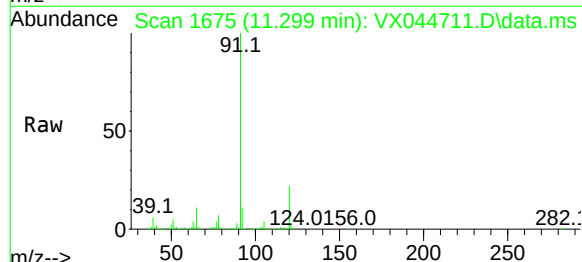
Acq: 27 Jan 2025 10:08

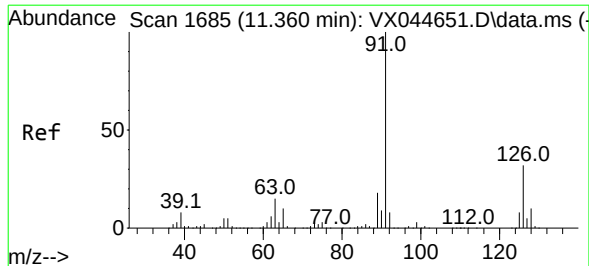
Tgt Ion: 91 Resp: 562742

Ion Ratio Lower Upper

91 100

120 22.5 11.4 34.1





#79

2-Chlorotoluene

Concen: 48.661 ug/l

RT: 11.360 min Scan# 16

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 348599

Ion Ratio Lower Upper

91 100

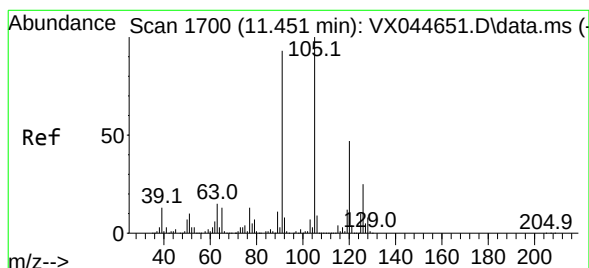
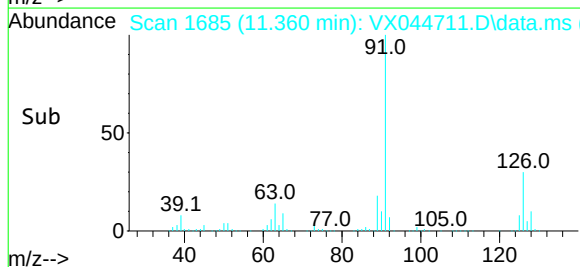
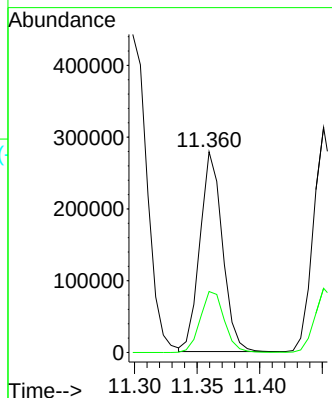
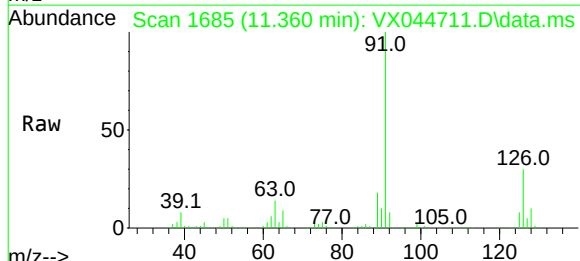
126 32.6 16.2 48.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#80

1,3,5-Trimethylbenzene

Concen: 49.198 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044711.D

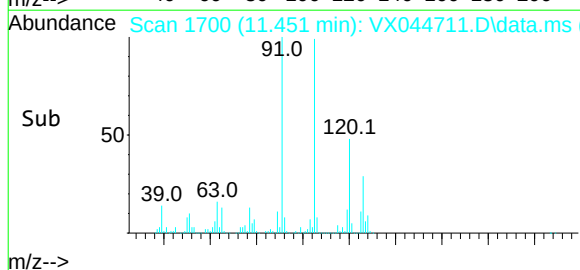
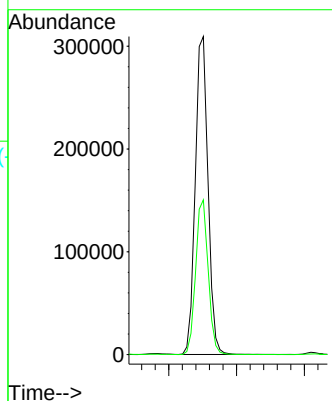
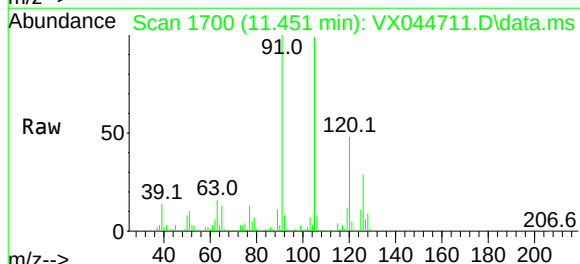
Acq: 27 Jan 2025 10:08

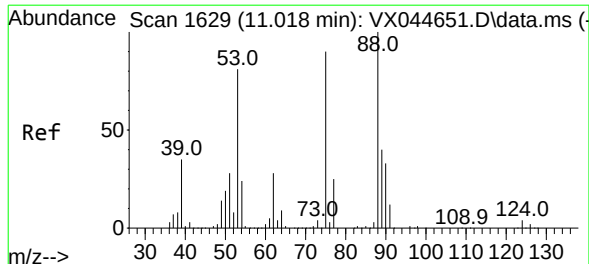
Tgt Ion:105 Resp: 402748

Ion Ratio Lower Upper

105 100

120 48.0 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 49.439 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 64582

Ion Ratio Lower Upper

75 100

53 90.9 74.3 111.5

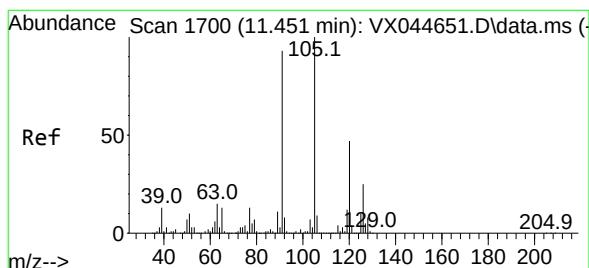
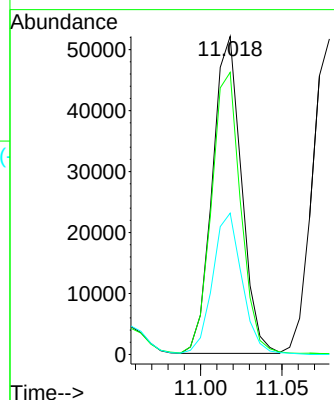
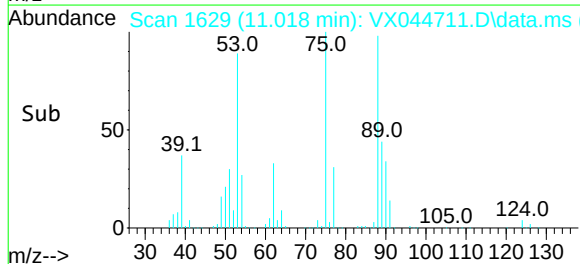
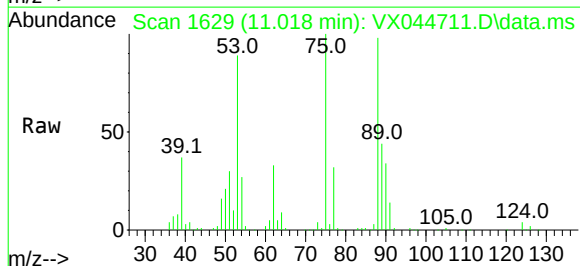
89 45.4 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#82

4-Chlorotoluene

Concen: 50.588 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044711.D

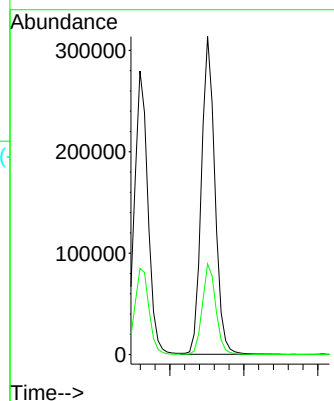
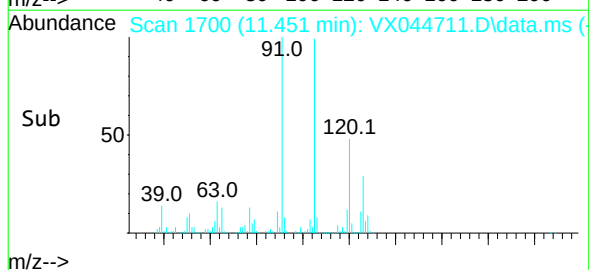
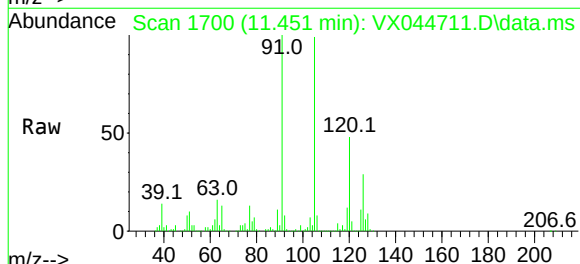
Acq: 27 Jan 2025 10:08

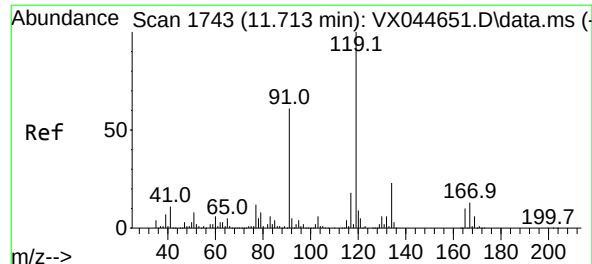
Tgt Ion: 91 Resp: 396992

Ion Ratio Lower Upper

91 100

126 28.5 13.9 41.7





#83

tert-Butylbenzene

Concen: 46.992 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 402232

Ion Ratio Lower Upper

119 100

91 57.8 30.0 90.0

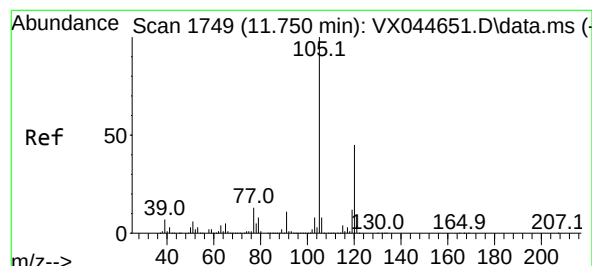
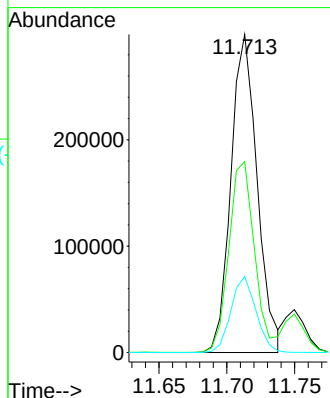
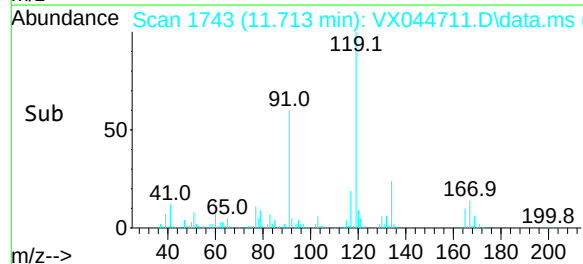
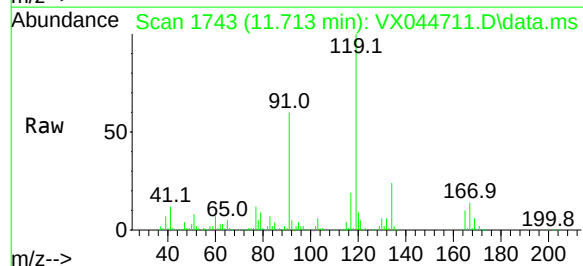
134 22.8 11.2 33.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#84

1,2,4-Trimethylbenzene

Concen: 48.633 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044711.D

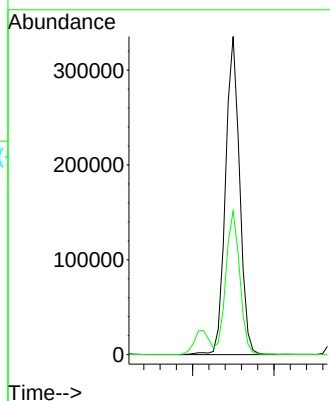
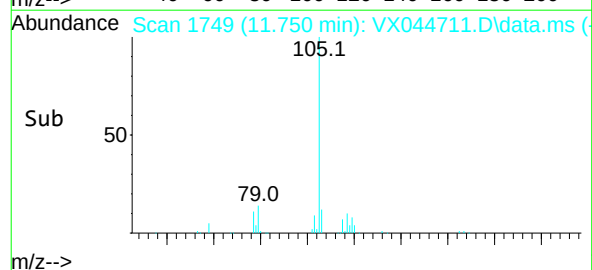
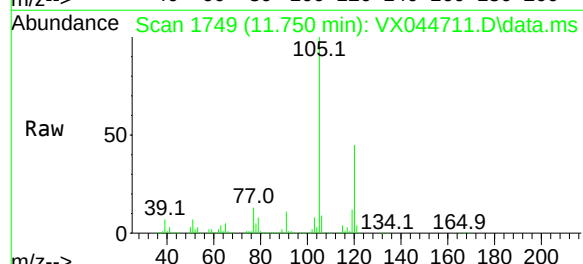
Acq: 27 Jan 2025 10:08

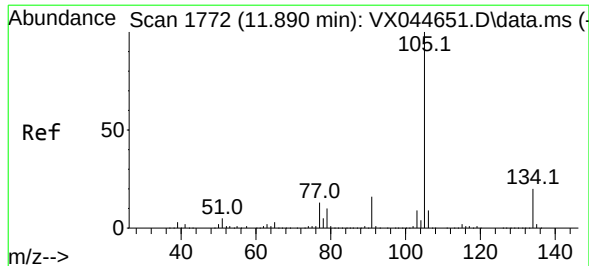
Tgt Ion:105 Resp: 404571

Ion Ratio Lower Upper

105 100

120 44.8 22.2 66.6





#85

sec-Butylbenzene

Concen: 49.309 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 491434

Ion Ratio Lower Upper

105 100

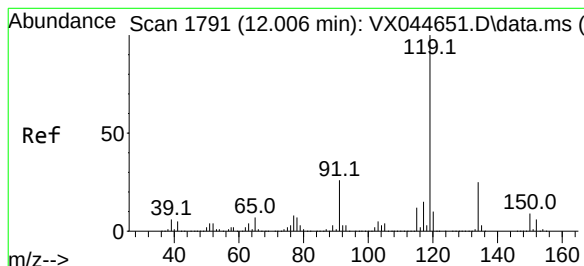
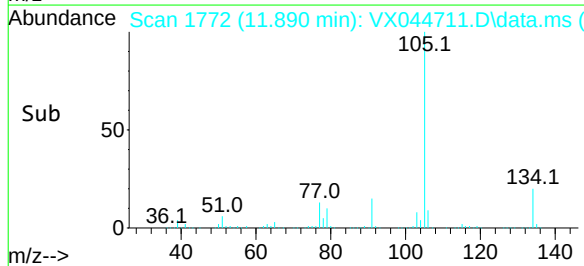
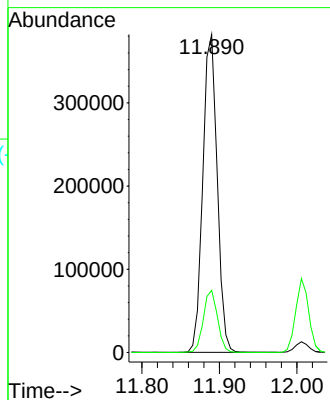
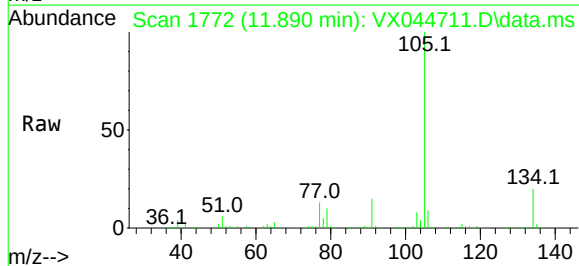
134 19.3 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#86

p-Isopropyltoluene

Concen: 49.439 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

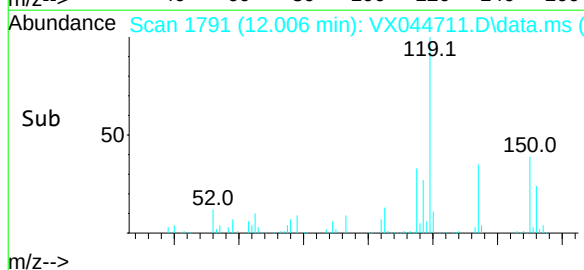
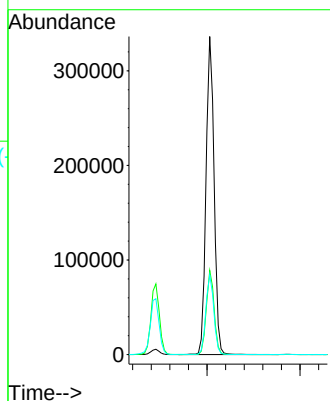
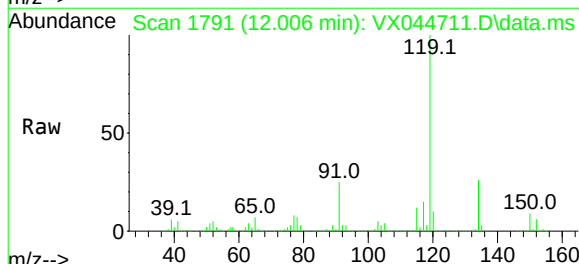
Tgt Ion:119 Resp: 404929

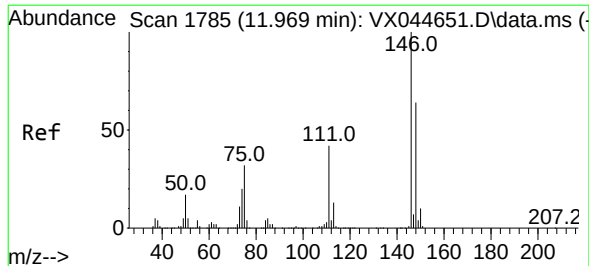
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.7 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 52.016 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044711.D

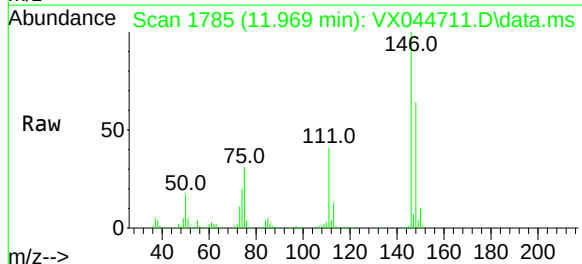
Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

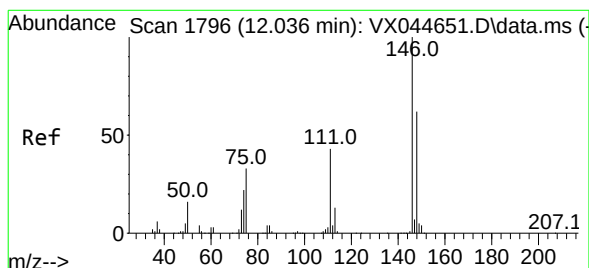
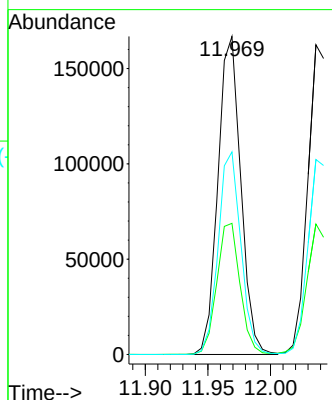
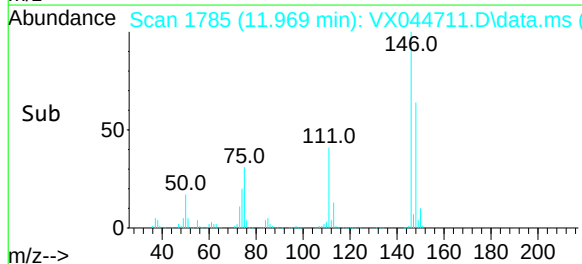
VSTDCCC050



Tgt Ion:	146	Resp:	212027
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.9	65.7
148	63.3	31.8	95.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#88

1,4-Dichlorobenzene

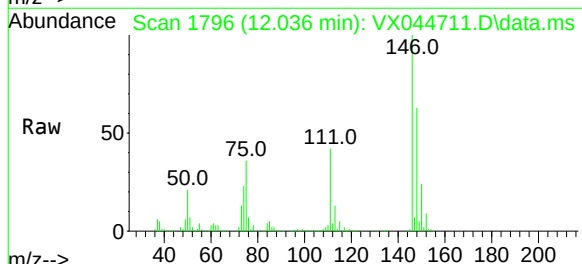
Concen: 51.247 ug/l

RT: 12.036 min Scan# 1796

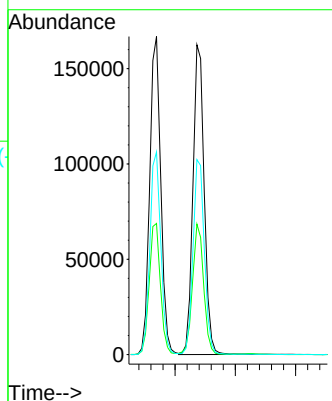
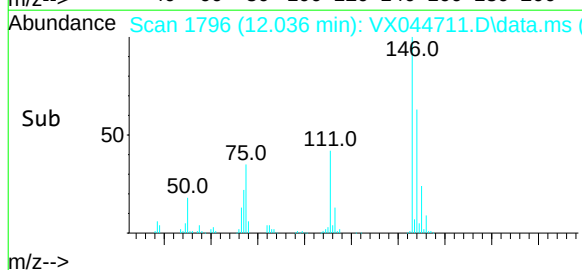
Delta R.T. -0.000 min

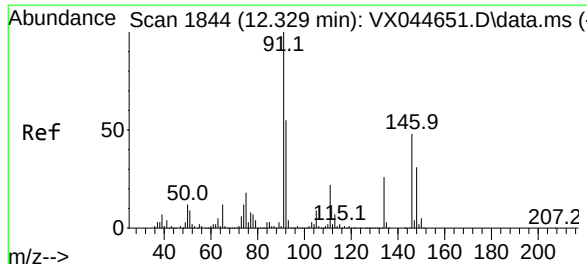
Lab File: VX044711.D

Acq: 27 Jan 2025 10:08



Tgt Ion:	146	Resp:	211171
Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.5	64.5
148	63.1	32.1	96.5





#89

n-Butylbenzene

Concen: 52.602 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 370043

Ion Ratio Lower Upper

91 100

92 54.7 27.4 82.0

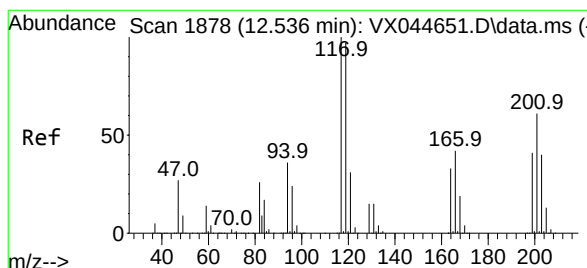
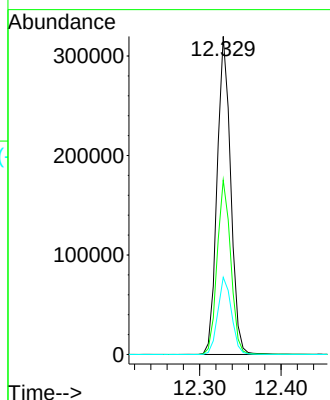
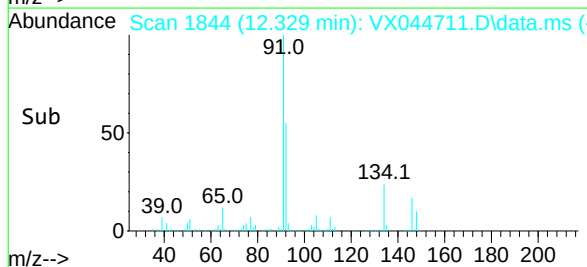
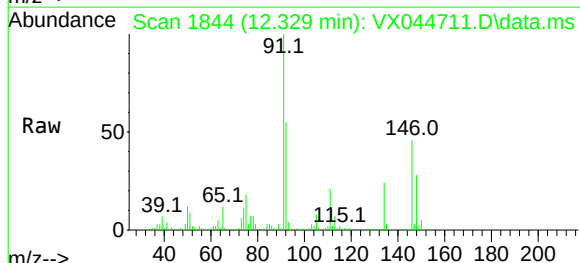
134 24.6 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#90

Hexachloroethane

Concen: 45.956 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044711.D

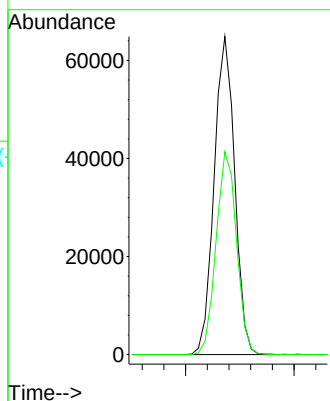
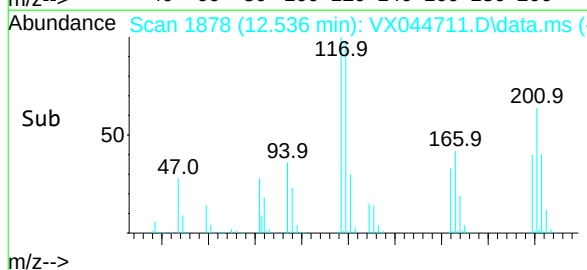
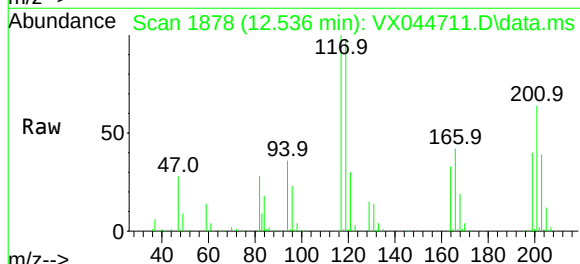
Acq: 27 Jan 2025 10:08

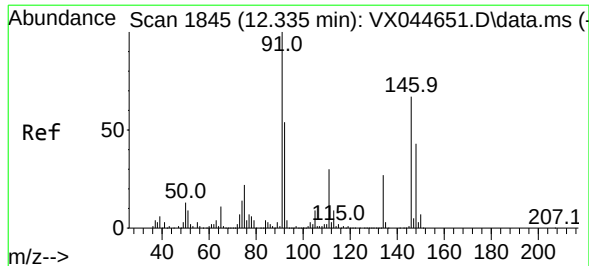
Tgt Ion:117 Resp: 85234

Ion Ratio Lower Upper

117 100

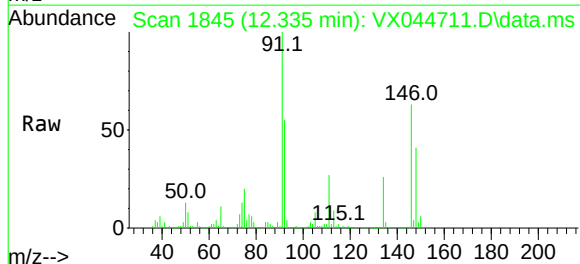
201 63.5 32.3 96.8





#91
1,2-Dichlorobenzene
Concen: 48.972 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

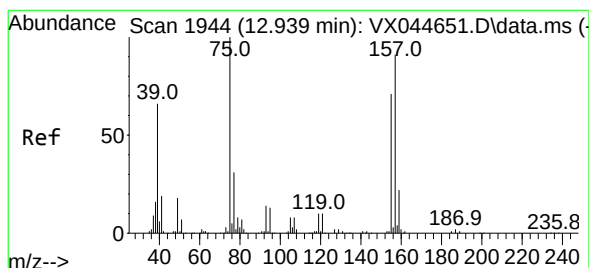
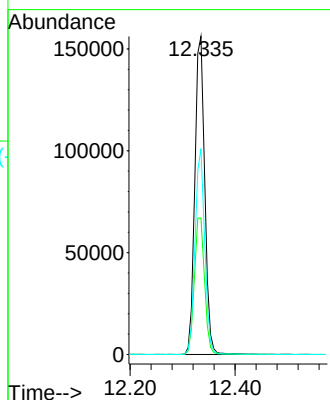
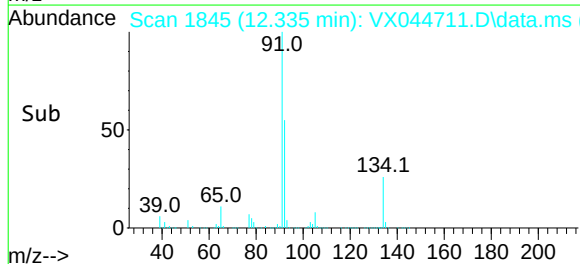
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



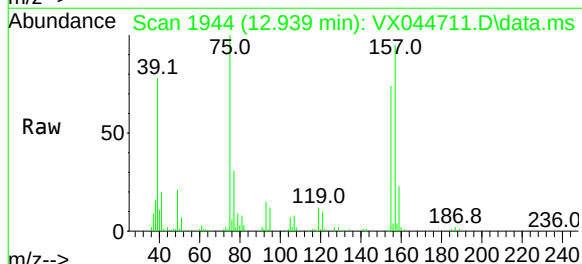
Tgt Ion: 146 Resp: 205003
Ion Ratio Lower Upper
146 100
111 44.1 22.4 67.2
148 63.4 31.6 94.8

Manual Integrations
APPROVED

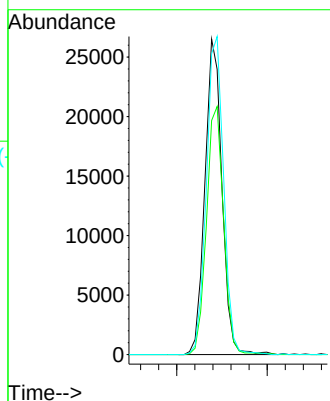
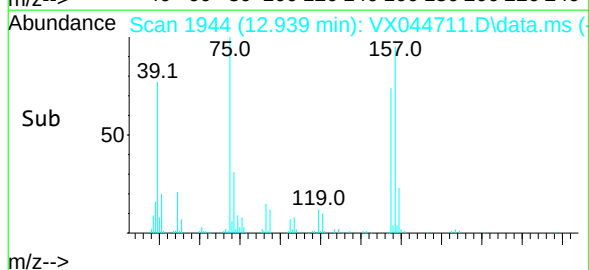
Reviewed By : John Carlone 01/28/2025
Supervised By : Mahesh Dadoda 01/28/2025

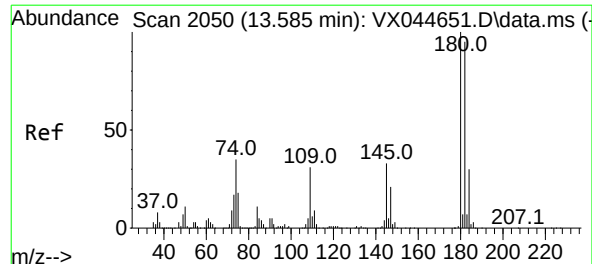


#92
1,2-Dibromo-3-Chloropropane
Concen: 40.823 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08



Tgt Ion: 75 Resp: 34674
Ion Ratio Lower Upper
75 100
155 79.1 39.0 116.9
157 101.9 49.9 149.7





#93

1,2,4-Trichlorobenzene

Concen: 52.765 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 132044

Ion Ratio Lower Upper

180 100

182 93.9 47.4 142.2

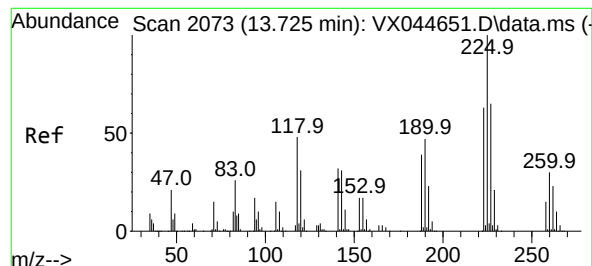
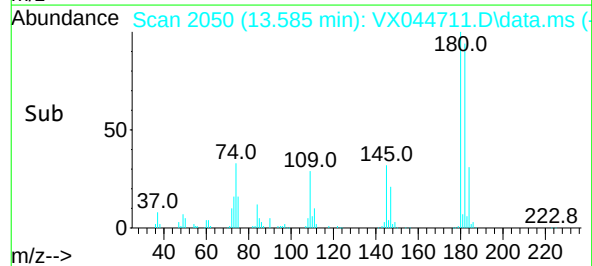
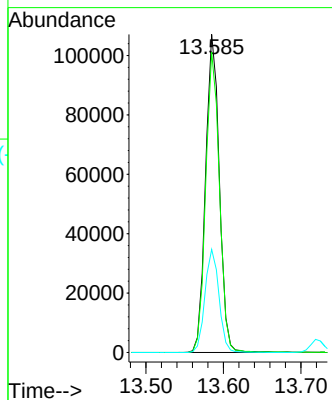
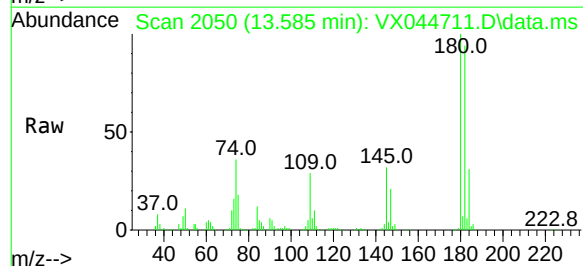
145 33.0 16.7 50.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#94

Hexachlorobutadiene

Concen: 49.450 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

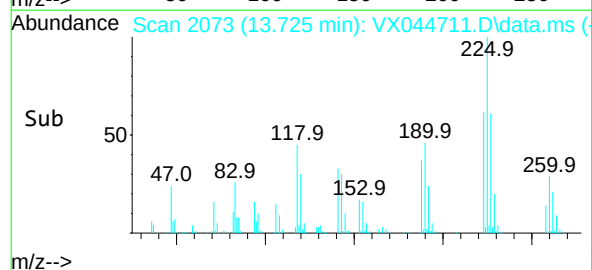
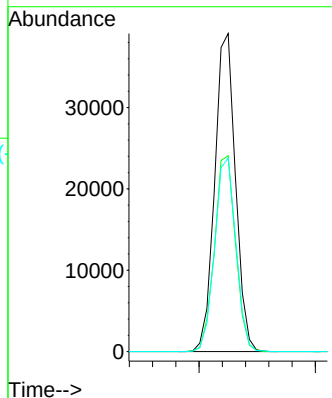
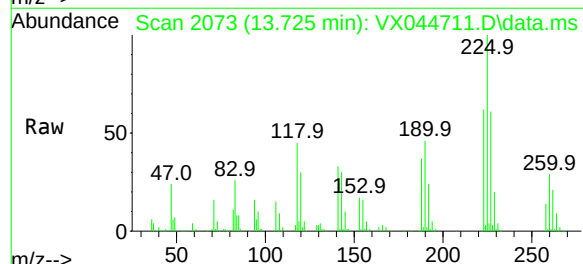
Tgt Ion:225 Resp: 48609

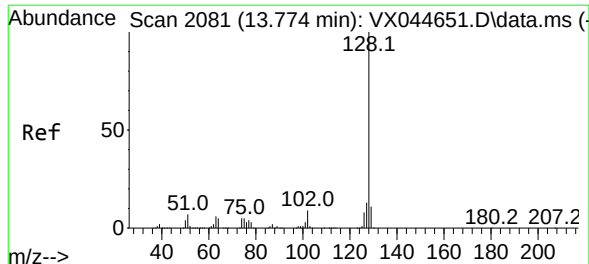
Ion Ratio Lower Upper

225 100

223 62.5 31.9 95.7

227 62.1 31.8 95.4





#95

Naphthalene

Concen: 50.197 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 484495

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

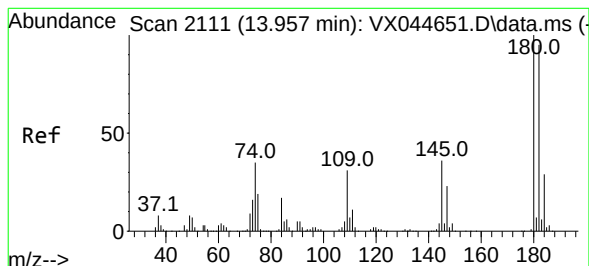
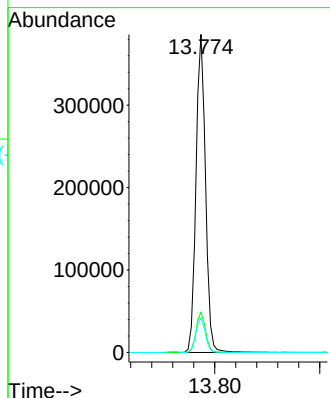
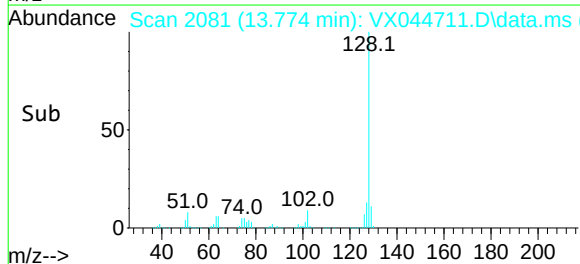
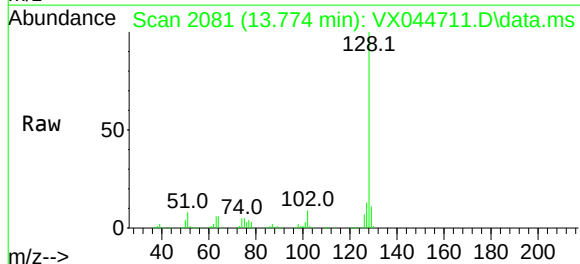
129 10.8 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#96

1,2,3-Trichlorobenzene

Concen: 51.628 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

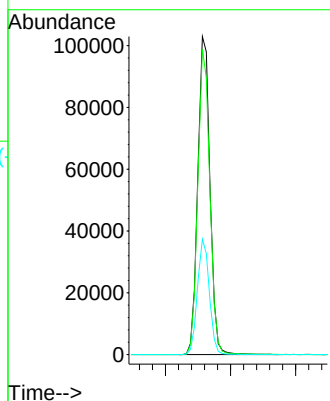
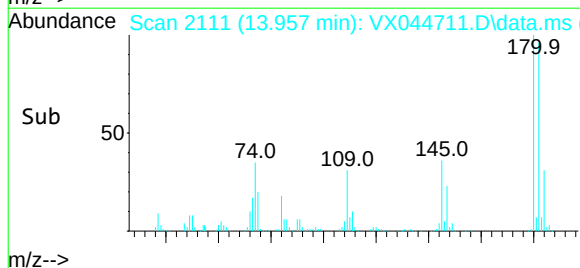
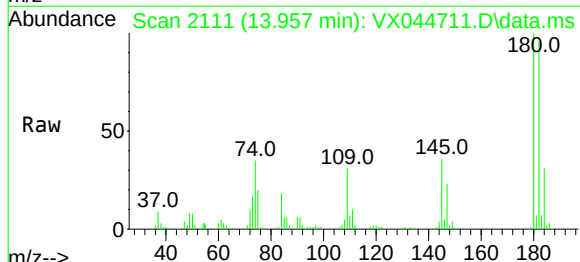
Tgt Ion:180 Resp: 133922

Ion Ratio Lower Upper

180 100

182 94.8 47.2 141.6

145 35.4 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044711.D
 Acq On : 27 Jan 2025 10:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 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	90	0.00
2 T	Dichlorodifluoromethane	0.673	0.648	3.7	86	0.00
3 P	Chloromethane	0.728	0.776	-6.6	99	0.00
4 C	Vinyl Chloride	0.719	0.750	-4.3#	96	0.00
5 T	Bromomethane	0.172	0.181	-5.2	96	0.00
6 T	Chloroethane	0.132	0.178	-34.8#	137	0.00
7 T	Trichlorofluoromethane	0.795	0.780	1.9	92	0.00
8 T	Diethyl Ether	0.321	0.273	15.0	84	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.597	0.612	-2.5	100	0.00
10 T	Methyl Iodide	0.815	0.817	-0.2	91	0.00
11 T	Tert butyl alcohol	0.168	0.154	8.3	92	-0.01
12 CM	1,1-Dichloroethene	0.585	0.612	-4.6#	98	0.00
13 T	Acrolein	0.079	0.172	-117.7#	230#	0.00
14 T	Allyl chloride	1.140	1.161	-1.8	100	0.00
15 T	Acrylonitrile	0.330	0.353	-7.0	102	0.00
16 T	Acetone	0.299	0.288	3.7	97	0.00
17 T	Carbon Disulfide	1.597	1.689	-5.8	99	0.00
18 T	Methyl Acetate	0.921	0.984	-6.8	101	0.00
19 T	Methyl tert-butyl Ether	2.121	2.198	-3.6	98	0.00
20 T	Methylene Chloride	0.695	0.734	-5.6	102	0.00
21 T	trans-1,2-Dichloroethene	0.611	0.618	-1.1	98	0.00
22 T	Diisopropyl ether	1.981	2.219	-12.0	105	0.00
23 T	Vinyl Acetate	1.734	1.892	-9.1	103	0.00
24 P	1,1-Dichloroethane	1.175	1.237	-5.3	99	0.00
25 T	2-Butanone	0.444	0.470	-5.9	99	0.00
26 T	2,2-Dichloropropane	1.139	1.056	7.3	90	0.00
27 T	cis-1,2-Dichloroethene	0.769	0.785	-2.1	99	0.00
28 T	Bromochloromethane	0.549	0.566	-3.1	96	0.00
29 T	Tetrahydrofuran	0.286	0.302	-5.6	102	0.00
30 C	Chloroform	1.186	1.204	-1.5#	95	0.00
31 T	Cyclohexane	0.950	1.026	-8.0	99	0.00
32 T	1,1,1-Trichloroethane	1.090	0.992	9.0	90	0.00
33 S	1,2-Dichloroethane-d4	0.755	0.714	5.4	87	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35 S	Dibromofluoromethane	0.318	0.317	0.3	90	0.00
36 T	1,1-Dichloropropene	0.442	0.433	2.0	96	0.00
37 T	Ethyl Acetate	0.471	0.505	-7.2	99	0.00
38 T	Carbon Tetrachloride	0.497	0.453	8.9	89	0.00
39 T	Methylcyclohexane	0.587	0.601	-2.4	99	0.00
40 TM	Benzene	1.370	1.421	-3.7	98	0.00
41 T	Methacrylonitrile	0.274	0.287	-4.7	102	0.00
42 TM	1,2-Dichloroethane	0.500	0.487	2.6	92	0.00
43 T	Isopropyl Acetate	0.866	0.895	-3.3	99	0.00
44 TM	Trichloroethene	0.329	0.332	-0.9	95	0.00
45 C	1,2-Dichloropropane	0.345	0.367	-6.4#	101	0.00
46 T	Dibromomethane	0.263	0.264	-0.4	97	0.00
47 T	Bromodichloromethane	0.538	0.535	0.6	95	0.00
48 T	Methyl methacrylate	0.402	0.433	-7.7	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044711.D
 Acq On : 27 Jan 2025 10:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 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	0.008	0.008	0.0	95	0.00
50 S	Toluene-d8	1.108	1.118	-0.9	91	0.00
51 T	4-Methyl-2-Pentanone	0.479	0.506	-5.6	102	0.00
52 CM	Toluene	0.839	0.864	-3.0#	97	0.00
53 T	t-1,3-Dichloropropene	0.556	0.582	-4.7	97	0.00
54 T	cis-1,3-Dichloropropene	0.603	0.618	-2.5	98	0.00
55 T	1,1,2-Trichloroethane	0.339	0.351	-3.5	100	0.00
56 T	Ethyl methacrylate	0.583	0.616	-5.7	99	0.00
57 T	1,3-Dichloropropane	0.578	0.609	-5.4	99	0.00
58 T	2-Chloroethyl Vinyl ether	0.286	0.283	1.0	94	0.00
59 T	2-Hexanone	0.352	0.364	-3.4	100	0.00
60 T	Dibromochloromethane	0.398	0.411	-3.3	98	0.00
61 T	1,2-Dibromoethane	0.356	0.365	-2.5	98	0.00
62 S	4-Bromofluorobenzene	0.413	0.422	-2.2	91	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64 T	Tetrachloroethene	0.314	0.305	2.9	95	0.00
65 PM	Chlorobenzene	1.062	1.085	-2.2	99	0.00
66 T	1,1,1,2-Tetrachloroethane	0.386	0.375	2.8	94	0.00
67 C	Ethyl Benzene	1.853	1.874	-1.1#	97	0.00
68 T	m/p-Xylenes	0.688	0.702	-2.0	99	0.00
69 T	o-Xylene	0.695	0.695	0.0	96	0.00
70 T	Styrene	1.123	1.192	-6.1	101	0.00
71 P	Bromoform	0.314	0.313	0.3	96	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73 T	Isopropylbenzene	4.085	3.903	4.5	96	0.00
74 T	N-amyl acetate	2.013	1.953	3.0	99	0.00
75 P	1,1,2,2-Tetrachloroethane	1.411	1.377	2.4	102	0.00
76 T	1,2,3-Trichloropropane	1.213	1.160	4.4	101	0.00
77 T	Bromobenzene	0.955	0.950	0.5	101	0.00
78 T	n-propylbenzene	4.505	4.572	-1.5	100	0.00
79 T	2-Chlorotoluene	2.910	2.832	2.7	99	0.00
80 T	1,3,5-Trimethylbenzene	3.325	3.272	1.6	99	0.00
81 T	trans-1,4-Dichloro-2-butene	0.531	0.525	1.1	99	0.00
82 T	4-Chlorotoluene	3.188	3.225	-1.2	101	0.00
83 T	tert-Butylbenzene	3.477	3.268	6.0	95	0.00
84 T	1,2,4-Trimethylbenzene	3.379	3.287	2.7	99	0.00
85 T	sec-Butylbenzene	4.048	3.992	1.4	99	0.00
86 T	p-Isopropyltoluene	3.327	3.290	1.1	98	0.00
87 T	1,3-Dichlorobenzene	1.656	1.722	-4.0	103	0.00
88 T	1,4-Dichlorobenzene	1.674	1.716	-2.5	105	0.00
89 T	n-Butylbenzene	2.857	3.006	-5.2	103	0.00
90 T	Hexachloroethane	0.753	0.692	8.1	97	0.00
91 T	1,2-Dichlorobenzene	1.700	1.665	2.1	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.345	0.282	18.3	87	0.00
93 T	1,2,4-Trichlorobenzene	1.016	1.073	-5.6	100	0.00
94 T	Hexachlorobutadiene	0.399	0.395	1.0	97	0.00
95 T	Naphthalene	3.920	3.936	-0.4	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 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	1.054	1.088	-3.2	99	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044711.D
 Acq On : 27 Jan 2025 10:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 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	90	0.00
2 T	Dichlorodifluoromethane	50.000	48.124	3.8	86	0.00
3 P	Chloromethane	50.000	53.335	-6.7	99	0.00
4 C	Vinyl Chloride	50.000	52.177	-4.4#	96	0.00
5 T	Bromomethane	50.000	52.854	-5.7	96	0.00
6 T	Chloroethane	50.000	67.485	-35.0#	137	0.00
7 T	Trichlorofluoromethane	50.000	49.099	1.8	92	0.00
8 T	Diethyl Ether	50.000	42.582	14.8	84	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.232	-2.5	100	0.00
10 T	Methyl Iodide	50.000	50.103	-0.2	91	0.00
11 T	Tert butyl alcohol	250.000	229.357	8.3	92	-0.01
12 CM	1,1-Dichloroethene	50.000	52.279	-4.6#	98	0.00
13 T	Acrolein	250.000	544.657	-117.9#	230	0.00
14 T	Allyl chloride	50.000	50.932	-1.9	100	0.00
15 T	Acrylonitrile	250.000	267.495	-7.0	102	0.00
16 T	Acetone	250.000	240.764	3.7	97	0.00
17 T	Carbon Disulfide	50.000	52.854	-5.7	99	0.00
18 T	Methyl Acetate	50.000	53.407	-6.8	101	0.00
19 T	Methyl tert-butyl Ether	50.000	51.834	-3.7	98	0.00
20 T	Methylene Chloride	50.000	52.799	-5.6	102	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.522	-1.0	98	0.00
22 T	Diisopropyl ether	50.000	56.003	-12.0	105	0.00
23 T	Vinyl Acetate	250.000	272.725	-9.1	103	0.00
24 P	1,1-Dichloroethane	50.000	52.632	-5.3	99	0.00
25 T	2-Butanone	250.000	264.600	-5.8	99	0.00
26 T	2,2-Dichloropropane	50.000	46.357	7.3	90	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.078	-2.2	99	0.00
28 T	Bromochloromethane	50.000	51.564	-3.1	96	0.00
29 T	Tetrahydrofuran	250.000	263.398	-5.4	102	0.00
30 C	Chloroform	50.000	50.771	-1.5#	95	0.00
31 T	Cyclohexane	50.000	53.957	-7.9	99	0.00
32 T	1,1,1-Trichloroethane	50.000	45.490	9.0	90	0.00
33 S	1,2-Dichloroethane-d4	50.000	47.336	5.3	87	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35 S	Dibromofluoromethane	50.000	49.831	0.3	90	0.00
36 T	1,1-Dichloropropene	50.000	48.940	2.1	96	0.00
37 T	Ethyl Acetate	50.000	53.669	-7.3	99	0.00
38 T	Carbon Tetrachloride	50.000	45.521	9.0	89	0.00
39 T	Methylcyclohexane	50.000	51.179	-2.4	99	0.00
40 TM	Benzene	50.000	51.868	-3.7	98	0.00
41 T	Methacrylonitrile	50.000	52.289	-4.6	102	0.00
42 TM	1,2-Dichloroethane	50.000	48.725	2.5	92	0.00
43 T	Isopropyl Acetate	50.000	51.667	-3.3	99	0.00
44 TM	Trichloroethene	50.000	50.413	-0.8	95	0.00
45 C	1,2-Dichloropropane	50.000	53.245	-6.5#	101	0.00
46 T	Dibromomethane	50.000	50.244	-0.5	97	0.00
47 T	Bromodichloromethane	50.000	49.656	0.7	95	0.00
48 T	Methyl methacrylate	50.000	53.829	-7.7	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044711.D
 Acq On : 27 Jan 2025 10:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 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	991.841	0.8	95	0.00
50 S	Toluene-d8	50.000	50.477	-1.0	91	0.00
51 T	4-Methyl-2-Pentanone	250.000	264.229	-5.7	102	0.00
52 CM	Toluene	50.000	51.531	-3.1#	97	0.00
53 T	t-1,3-Dichloropropene	50.000	52.351	-4.7	97	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.254	-2.5	98	0.00
55 T	1,1,2-Trichloroethane	50.000	51.785	-3.6	100	0.00
56 T	Ethyl methacrylate	50.000	52.829	-5.7	99	0.00
57 T	1,3-Dichloropropane	50.000	52.726	-5.5	99	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	247.155	1.1	94	0.00
59 T	2-Hexanone	250.000	258.046	-3.2	100	0.00
60 T	Dibromochloromethane	50.000	51.638	-3.3	98	0.00
61 T	1,2-Dibromoethane	50.000	51.277	-2.6	98	0.00
62 S	4-Bromofluorobenzene	50.000	51.142	-2.3	91	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64 T	Tetrachloroethene	50.000	48.623	2.8	95	0.00
65 PM	Chlorobenzene	50.000	51.069	-2.1	99	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.599	2.8	94	0.00
67 C	Ethyl Benzene	50.000	50.576	-1.2#	97	0.00
68 T	m/p-Xylenes	100.000	102.049	-2.0	99	0.00
69 T	o-Xylene	50.000	49.989	0.0	96	0.00
70 T	Styrene	50.000	53.068	-6.1	101	0.00
71 P	Bromoform	50.000	49.769	0.5	96	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73 T	Isopropylbenzene	50.000	47.772	4.5	96	0.00
74 T	N-amyl acetate	50.000	48.507	3.0	99	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.822	2.4	102	0.00
76 T	1,2,3-Trichloropropane	50.000	47.797	4.4	101	0.00
77 T	Bromobenzene	50.000	49.729	0.5	101	0.00
78 T	n-propylbenzene	50.000	50.743	-1.5	100	0.00
79 T	2-Chlorotoluene	50.000	48.661	2.7	99	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.198	1.6	99	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.439	1.1	99	0.00
82 T	4-Chlorotoluene	50.000	50.588	-1.2	101	0.00
83 T	tert-Butylbenzene	50.000	46.992	6.0	95	0.00
84 T	1,2,4-Trimethylbenzene	50.000	48.633	2.7	99	0.00
85 T	sec-Butylbenzene	50.000	49.309	1.4	99	0.00
86 T	p-Isopropyltoluene	50.000	49.439	1.1	98	0.00
87 T	1,3-Dichlorobenzene	50.000	52.016	-4.0	103	0.00
88 T	1,4-Dichlorobenzene	50.000	51.247	-2.5	105	0.00
89 T	n-Butylbenzene	50.000	52.602	-5.2	103	0.00
90 T	Hexachloroethane	50.000	45.956	8.1	97	0.00
91 T	1,2-Dichlorobenzene	50.000	48.972	2.1	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	40.823	18.4	87	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.765	-5.5	100	0.00
94 T	Hexachlorobutadiene	50.000	49.450	1.1	97	0.00
95 T	Naphthalene	50.000	50.197	-0.4	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 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	51.628	-3.3	99	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.: Q1173 SAS No.: Q1173 SDG No.: Q1173

Instrument ID: MSVOA_X Calibration Date/Time: 01/27/2025 19:09

Lab File ID: VX044734.D Init. Calib. Date(s): 01/15/2025 01/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:31 13:37

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.728	0.744	0.1	2.2	50
Vinyl Chloride	0.719	0.766		6.54	50
Bromomethane	0.172	0.186		8.14	50
Chloroethane	0.132	0.181		37.12	50
Trichlorofluoromethane	0.795	0.925		16.35	50
1,1,2-Trichlorotrifluoroethane	0.597	0.628		5.19	50
1,1-Dichloroethene	0.585	0.647		10.6	50
Acetone	0.299	0.300		0.33	50
Carbon Disulfide	1.598	1.710		7.08	50
Methyl tert-butyl Ether	2.121	2.147		1.23	50
Methylene Chloride	0.695	0.714		2.73	50
trans-1,2-Dichloroethene	0.611	0.636		4.09	50
1,1-Dichloroethane	1.175	1.255	0.1	6.81	50
2-Butanone	0.444	0.489		10.14	50
Carbon Tetrachloride	0.497	0.462		-7.04	50
cis-1,2-Dichloroethene	0.769	0.784		1.95	50
Chloroform	1.186	1.201		1.26	50
1,1,1-Trichloroethane	1.090	1.028		-5.69	50
Methylcyclohexane	0.587	0.588		0.17	50
Benzene	1.370	1.426		4.09	50
1,2-Dichloroethane	0.500	0.460		-8	50
Trichloroethene	0.329	0.329		0	50
1,2-Dichloropropane	0.345	0.360		4.35	50
Bromodichloromethane	0.538	0.505		-6.13	50
4-Methyl-2-Pentanone	0.479	0.494		3.13	50
Toluene	0.839	0.847		0.95	50
t-1,3-Dichloropropene	0.556	0.518		-6.84	50
cis-1,3-Dichloropropene	0.603	0.575		-4.64	50
1,1,2-Trichloroethane	0.339	0.332		-2.07	50
2-Hexanone	0.352	0.362		2.84	50
Dibromochloromethane	0.398	0.369		-7.29	50
Tetrachloroethene	0.314	0.307		-2.23	50
Chlorobenzene	1.062	1.060	0.3	-0.19	50
Ethyl Benzene	1.853	1.887		1.84	50
m/p-Xylenes	0.688	0.698		1.45	50
o-Xylene	0.695	0.694		-0.14	50
Styrene	1.123	1.138		1.34	50
Bromoform	0.314	0.292	0.1	-7.01	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.: Q1173 SAS No.: Q1173 SDG No.: Q1173

Instrument ID: MSVOA_X Calibration Date/Time: 01/27/2025 19:09

Lab File ID: VX044734.D Init. Calib. Date(s): 01/15/2025 01/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:31 13:37

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.085	4.084		-0.02	50
1,1,2,2-Tetrachloroethane	1.411	1.419	0.3	0.57	50
1,3-Dichlorobenzene	1.656	1.674		1.09	50
1,4-Dichlorobenzene	1.674	1.631		-2.57	50
1,2-Dichlorobenzene	1.700	1.674		-1.53	50
1,2-Dichloroethane-d4	0.755	0.712		-5.7	50
Dibromofluoromethane	0.318	0.320		0.63	50
Toluene-d8	1.108	1.148		3.61	50
4-Bromofluorobenzene	0.413	0.386		-6.54	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\VX012725\
 Data File : VX044734.D
 Acq On : 27 Jan 2025 19:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/28/2025
 Supervised By : Mahesh Dadoda 01/28/2025

Quant Time: Jan 28 04:17:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	172951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	325756	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	269229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	123215	47.199	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.400%		
35) Dibromofluoromethane	5.379	113	104400	50.447	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.900%		
50) Toluene-d8	8.647	98	374057	51.838	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.680%		
62) 4-Bromofluorobenzene	11.079	95	125660	46.714	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.420%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	111723	48.005	ug/l	99
3) Chloromethane	1.307	50	128721	51.146	ug/l	98
4) Vinyl Chloride	1.374	62	132495	53.282	ug/l	98
5) Bromomethane	1.593	94	32222	54.267	ug/l	97
6) Chloroethane	1.660	64	31340m	68.728	ug/l	
7) Trichlorofluoromethane	1.867	101	160029	58.228	ug/l	98
8) Diethyl Ether	2.136	74	57882	52.188	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	108656	52.594	ug/l	98
10) Methyl Iodide	2.447	142	146080	51.790	ug/l	97
11) Tert butyl alcohol	2.989	59	133813	229.927	ug/l #	85
12) 1,1-Dichloroethene	2.306	96	111815	55.215	ug/l	96
13) Acrolein	2.239	56	90124	329.074	ug/l	99
14) Allyl chloride	2.654	41	200564	50.867	ug/l	97
15) Acrylonitrile	3.062	53	318594	279.107	ug/l	99
16) Acetone	2.386	43	259537	251.283	ug/l	96
17) Carbon Disulfide	2.501	76	295781	53.527	ug/l	99
18) Methyl Acetate	2.703	43	186114	58.407	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	371345	50.627	ug/l	98
20) Methylene Chloride	2.782	84	123457	51.328	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	110052	52.052	ug/l	98
22) Diisopropyl ether	3.757	45	381220	55.621	ug/l	98
23) Vinyl Acetate	3.721	43	1606823	267.851	ug/l	100
24) 1,1-Dichloroethane	3.605	63	217085	53.411	ug/l	99
25) 2-Butanone	4.556	43	423266	275.626	ug/l	100
26) 2,2-Dichloropropane	4.471	77	166555	42.282	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	135627	50.998	ug/l	97
28) Bromochloromethane	4.891	49	103327	54.405	ug/l	95
29) Tetrahydrofuran	5.001	42	277269	279.917	ug/l	97
30) Chloroform	5.086	83	207669	50.629	ug/l	98
31) Cyclohexane	5.464	56	185760	56.510	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	177763	47.142	ug/l	99
36) 1,1-Dichloropropene	5.684	75	142861	49.591	ug/l	99
37) Ethyl Acetate	4.714	43	168109	54.798	ug/l	98
38) Carbon Tetrachloride	5.666	117	150574	46.468	ug/l	97
39) Methylcyclohexane	7.373	83	191661	50.118	ug/l	98
40) Benzene	6.031	78	464502	52.035	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044734.D
 Acq On : 27 Jan 2025 19:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/28/2025
 Supervised By : Mahesh Dadoda 01/28/2025

Quant Time: Jan 28 04:17:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	93115	52.088	ug/l	99
42) 1,2-Dichloroethane	6.080	62	149994	46.037	ug/l	100
43) Isopropyl Acetate	6.336	43	280126	49.636	ug/l	99
44) Trichloroethene	7.123	130	107262	49.981	ug/l	95
45) 1,2-Dichloropropane	7.427	63	117332	52.217	ug/l	98
46) Dibromomethane	7.574	93	82056	47.970	ug/l	99
47) Bromodichloromethane	7.818	83	164495	46.892	ug/l	99
48) Methyl methacrylate	7.690	41	133656	51.021	ug/l	98
49) 1,4-Dioxane	7.665	88	52370	958.191	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	804760	258.036	ug/l	100
52) Toluene	8.714	92	275818	50.481	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	168742	46.558	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	187397	47.685	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	108031	48.870	ug/l	97
56) Ethyl methacrylate	9.116	69	185430	48.786	ug/l	100
57) 1,3-Dichloropropane	9.305	76	185086	49.168	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	417955	223.982	ug/l	98
59) 2-Hexanone	9.427	43	589548	256.939	ug/l	100
60) Dibromochloromethane	9.518	129	120124	46.299	ug/l	100
61) 1,2-Dibromoethane	9.604	107	110375	47.644	ug/l	100
64) Tetrachloroethene	9.269	164	82704	48.921	ug/l	99
65) Chlorobenzene	10.073	112	285275	49.886	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	98702	47.492	ug/l	99
67) Ethyl Benzene	10.189	91	508128	50.924	ug/l	100
68) m/p-Xylenes	10.299	106	375897	101.518	ug/l	98
69) o-Xylene	10.640	106	186721	49.864	ug/l	99
70) Styrene	10.652	104	306315	50.666	ug/l	98
71) Bromoform	10.799	173	78698	46.525	ug/l #	98
73) Isopropylbenzene	10.957	105	467702	49.995	ug/l	99
74) N-amyl acetate	10.841	43	230784	50.050	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	162476	50.287	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	134928m	48.551	ug/l	
77) Bromobenzene	11.195	156	105832	48.400	ug/l	97
78) n-propylbenzene	11.299	91	537719	52.120	ug/l	98
79) 2-Chlorotoluene	11.360	91	324771	48.732	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	377028	49.507	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	58035	47.755	ug/l	98
82) 4-Chlorotoluene	11.451	91	360773	49.417	ug/l	99
83) tert-Butylbenzene	11.713	119	384493	48.285	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	375017	48.458	ug/l	99
85) sec-Butylbenzene	11.890	105	468207	50.498	ug/l	100
86) p-Isopropyltoluene	12.006	119	384326	50.439	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	191747	50.565	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	186749	48.716	ug/l	99
89) n-Butylbenzene	12.329	91	337088	51.507	ug/l	99
90) Hexachloroethane	12.536	117	81232	47.079	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	191751	49.238	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	33494	42.388	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	116141	49.887	ug/l	99
94) Hexachlorobutadiene	13.725	225	43217	47.259	ug/l	98
95) Naphthalene	13.774	128	446363	49.711	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	118806	49.232	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

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Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

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

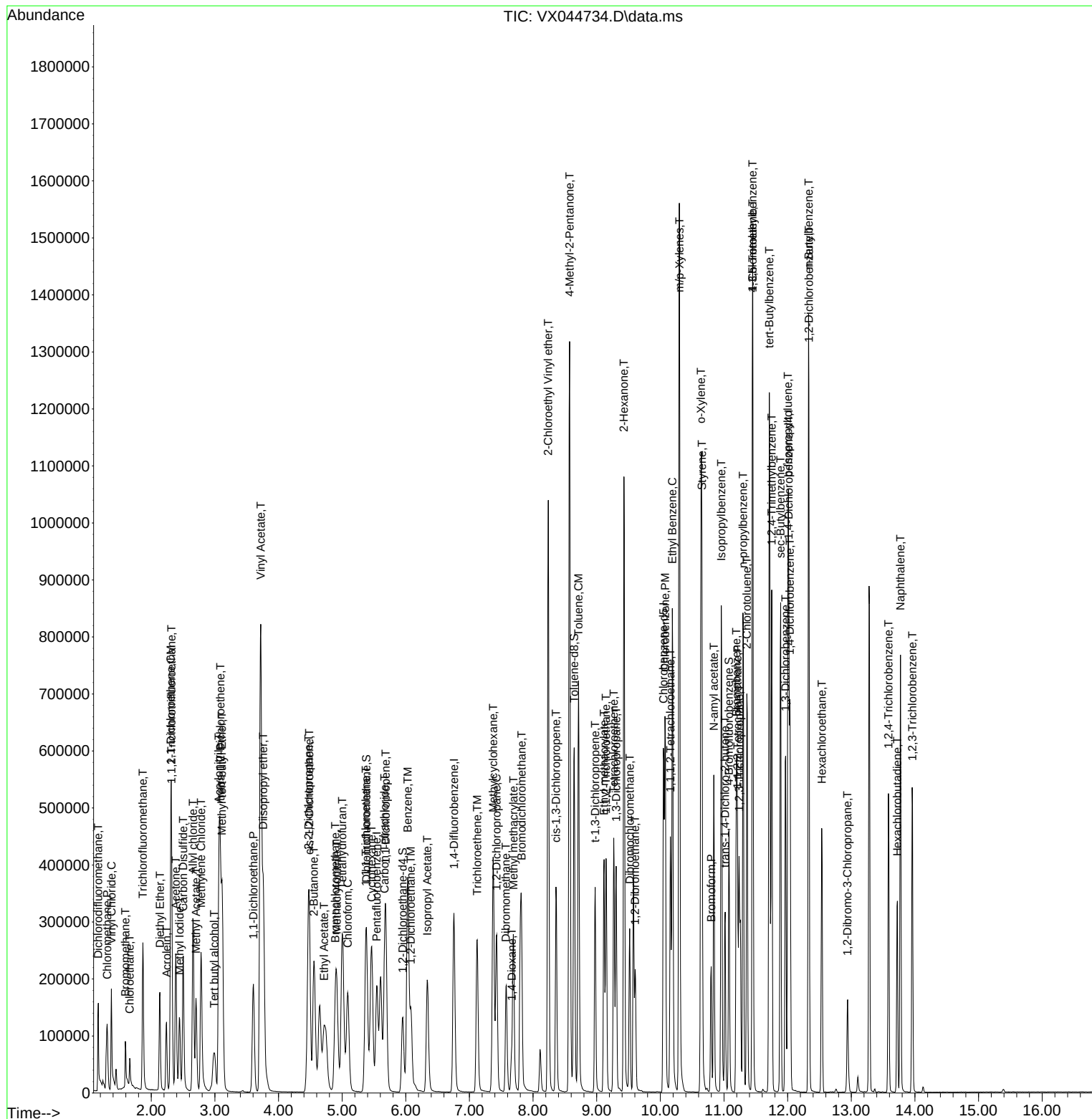
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Data File : VX044734.D
Acq On    : 27 Jan 2025   19:09
Operator  : JC/MD
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 25   Sample Multiplier: 1
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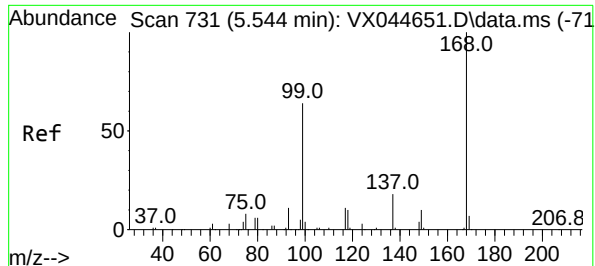
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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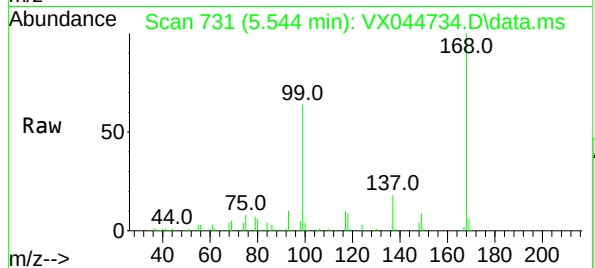
Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

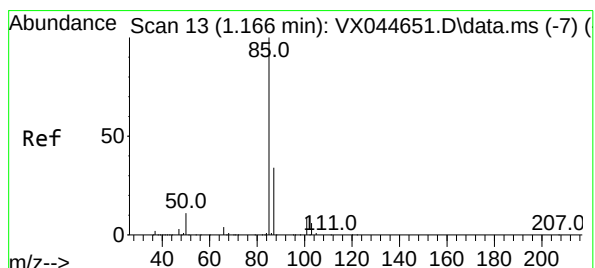
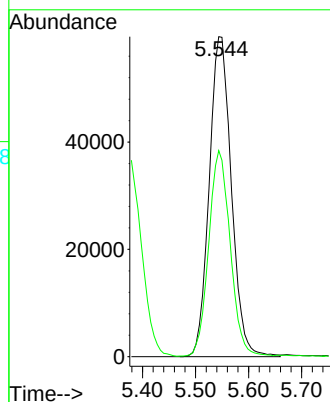
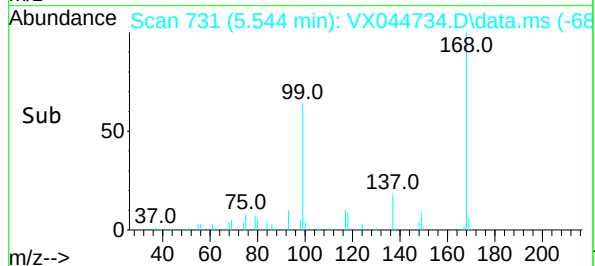
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:168 Resp: 17295
Ion Ratio Lower Upper
168 100
99 64.2 51.1 76.7

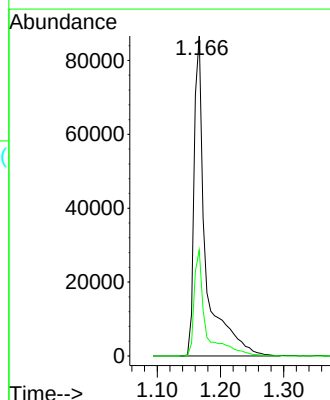
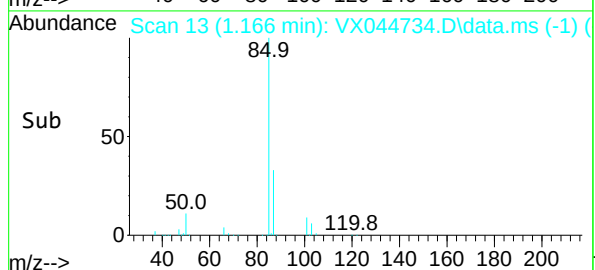
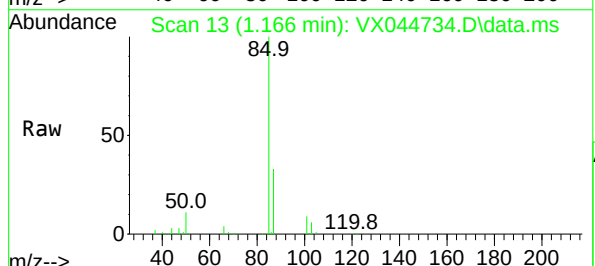
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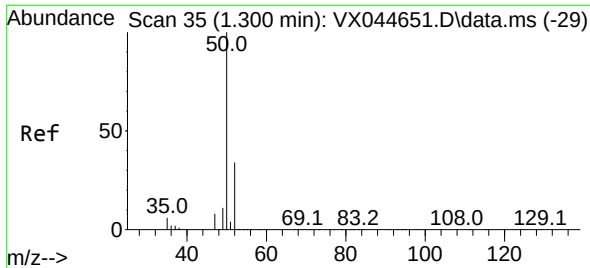
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#2
Dichlorodifluoromethane
Concen: 48.005 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 85 Resp: 111723
Ion Ratio Lower Upper
85 100
87 33.1 16.8 50.4





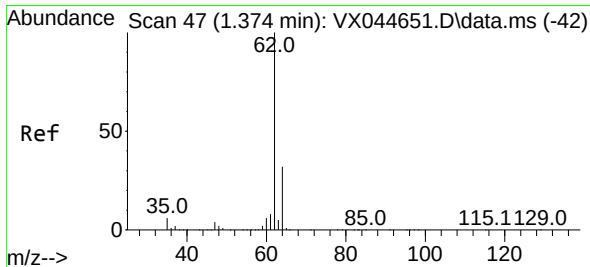
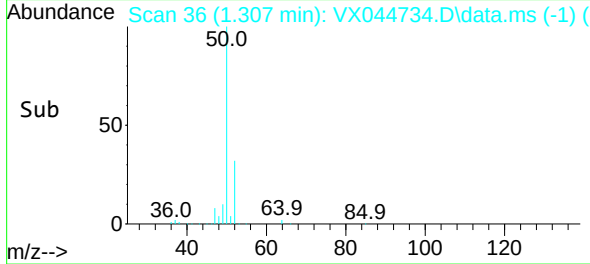
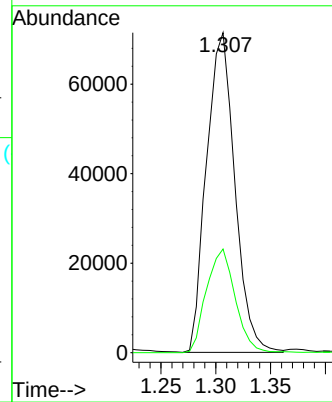
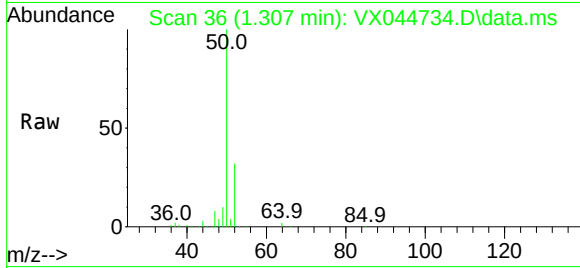
#3
Chloromethane
Concen: 51.146 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 12872
Ion Ratio Lower Upper
50 100
52 32.4 27.0 40.4

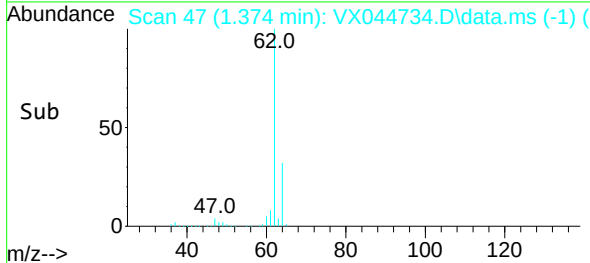
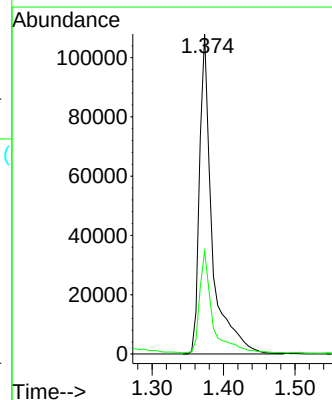
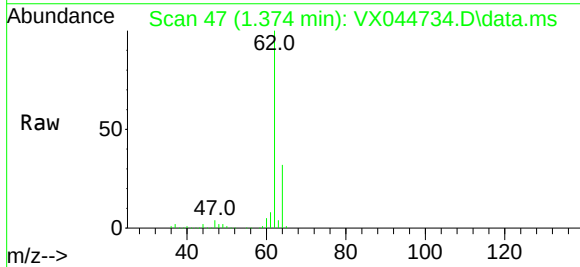
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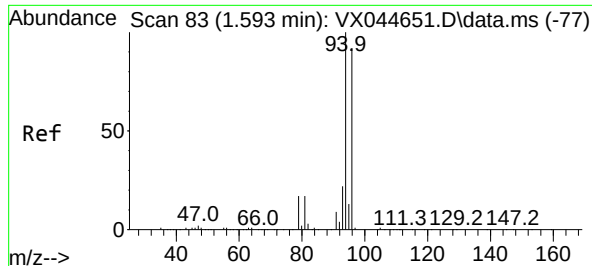
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#4
Vinyl Chloride
Concen: 53.282 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

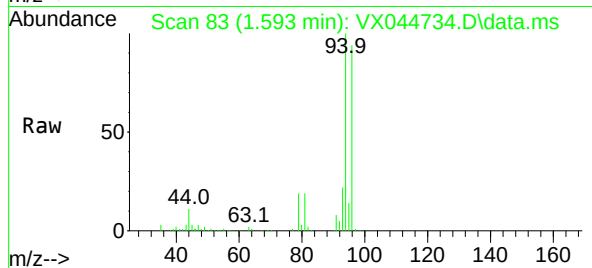
Tgt Ion: 62 Resp: 132495
Ion Ratio Lower Upper
62 100
64 31.8 26.6 39.8





#5
Bromomethane
Concen: 54.267 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

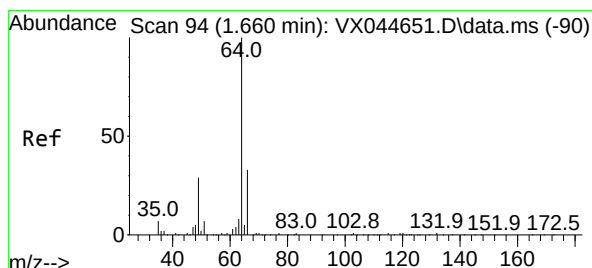
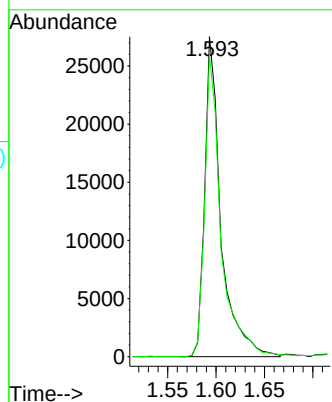
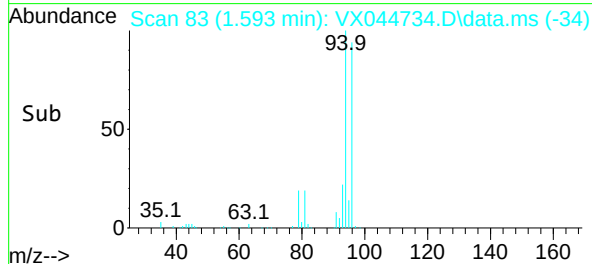
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 94 Resp: 3222
Ion Ratio Lower Upper
94 100
96 94.2 72.8 109.2

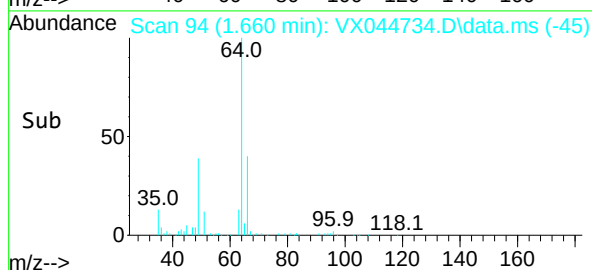
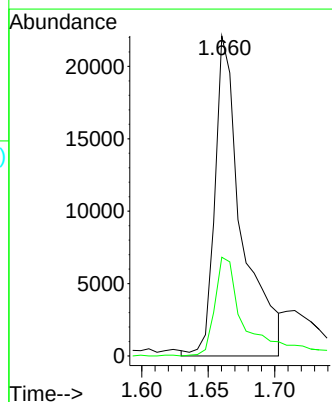
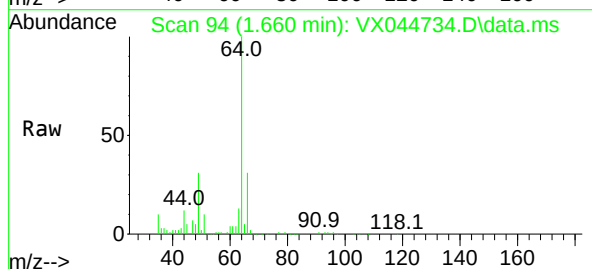
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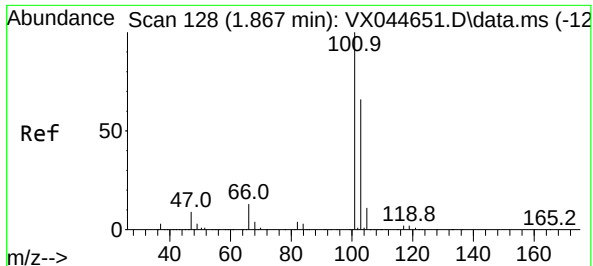
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#6
Chloroethane
Concen: 68.728 ug/l m
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

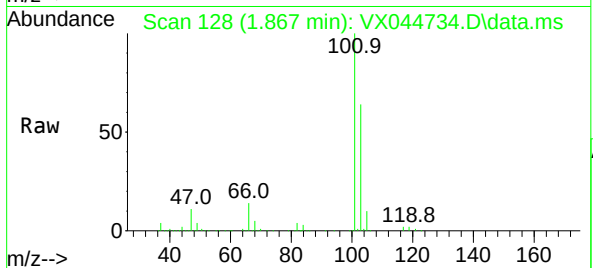
Tgt Ion: 64 Resp: 31340
Ion Ratio Lower Upper
64 100
66 30.8 26.6 39.8





#7
Trichlorofluoromethane
Concen: 58.228 ug/l
RT: 1.867 min Scan# 128
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

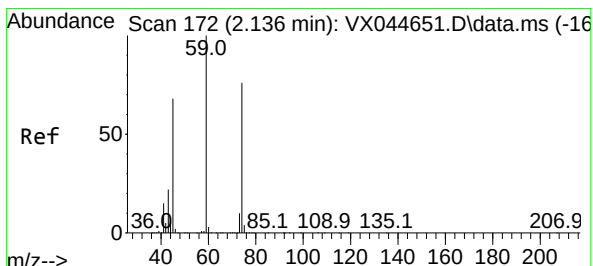
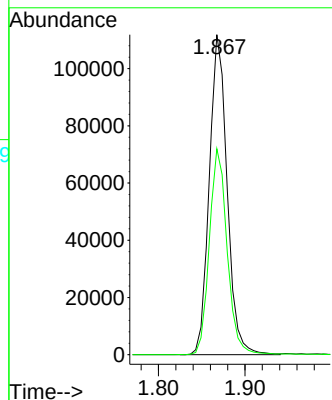
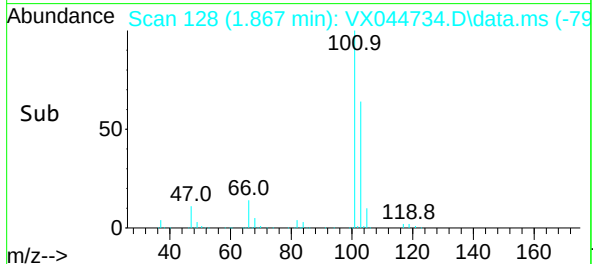
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:101 Resp: 160029
Ion Ratio Lower Upper
101 100
103 64.3 52.5 78.7

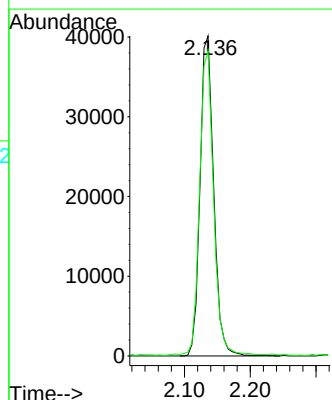
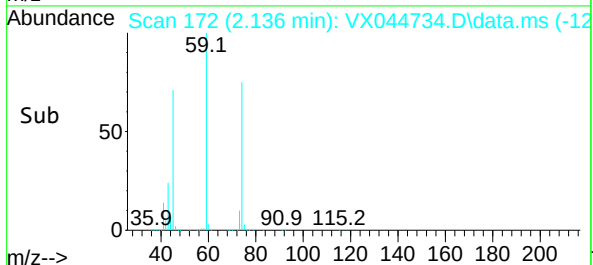
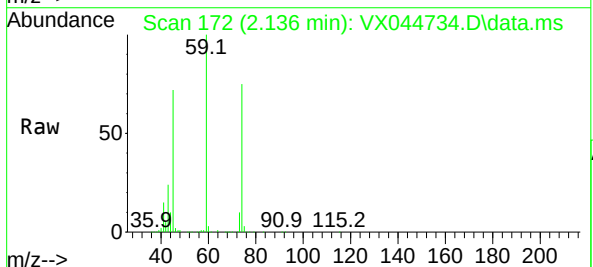
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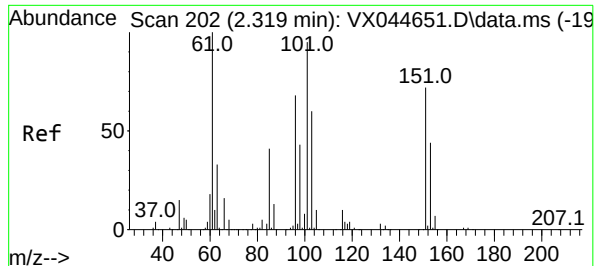
Reviewed By :John Carlone 01/28/2025
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#8
Diethyl Ether
Concen: 52.188 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

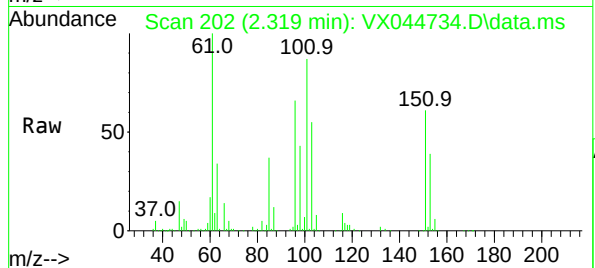
Tgt Ion: 74 Resp: 57882
Ion Ratio Lower Upper
74 100
45 97.7 47.1 141.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.594 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

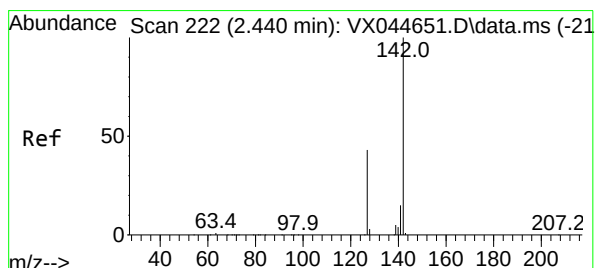
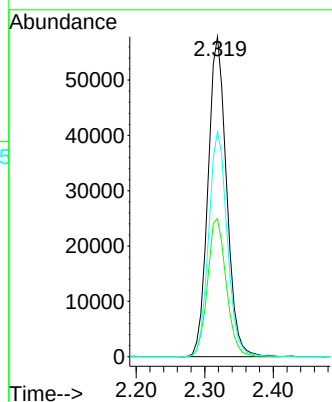
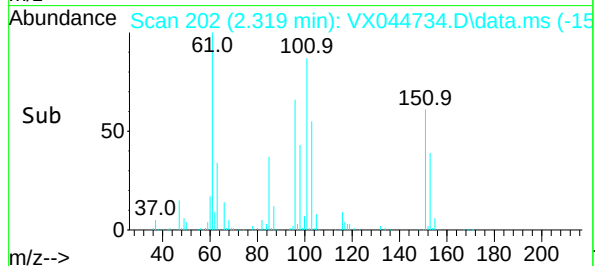
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:101 Resp: 108650
Ion Ratio Lower Upper
101 100
85 43.5 35.3 52.9
151 70.4 58.2 87.4

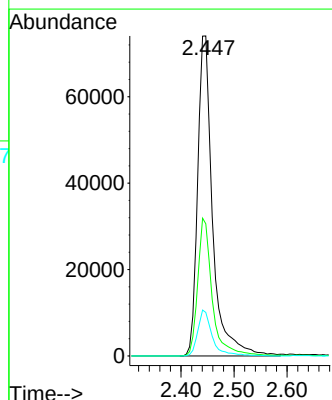
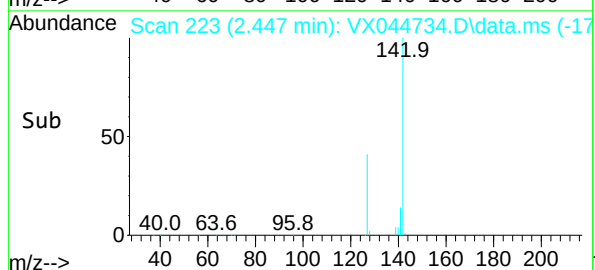
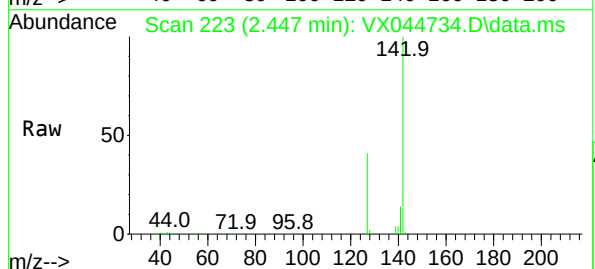
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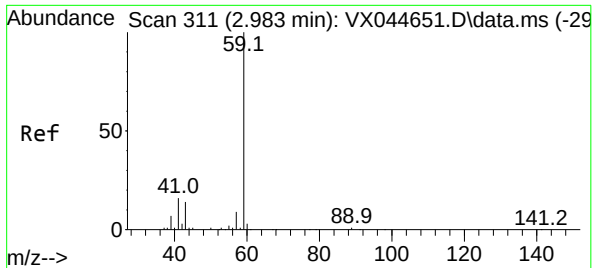
Reviewed By :John Carlone 01/28/2025
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#10
Methyl Iodide
Concen: 51.790 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:142 Resp: 146080
Ion Ratio Lower Upper
142 100
127 41.8 35.0 52.4
141 14.0 11.7 17.5





#11

Tert butyl alcohol

Concen: 229.927 ug/l

RT: 2.989 min Scan# 311

Delta R.T. 0.006 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 13381

Ion Ratio Lower Upper

59 100

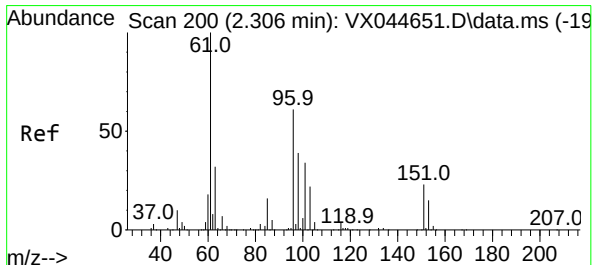
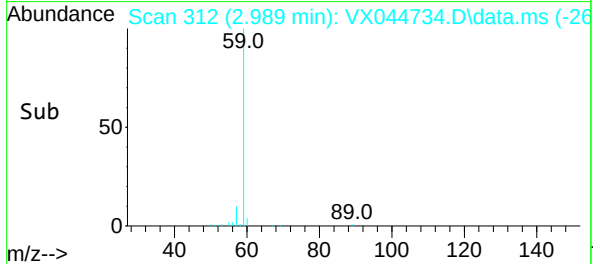
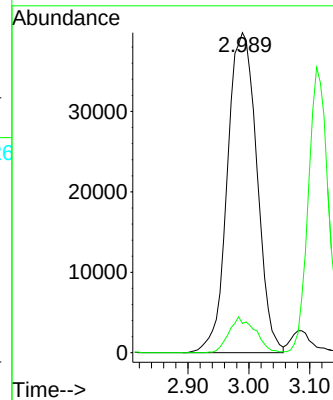
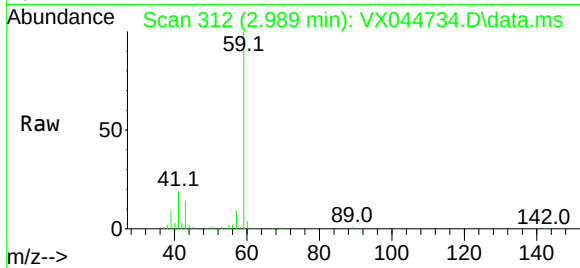
57 10.0 3.9 5.9

Manual Integrations

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Supervised By :Mahesh Dadoda 01/28/2025



#12

1,1-Dichloroethene

Concen: 55.215 ug/l

RT: 2.306 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

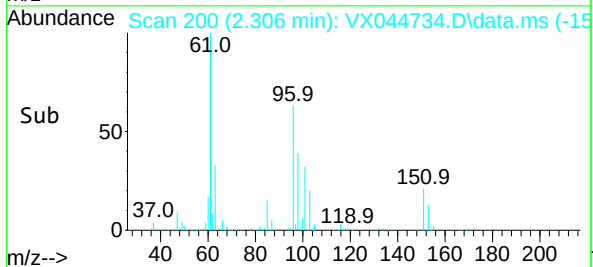
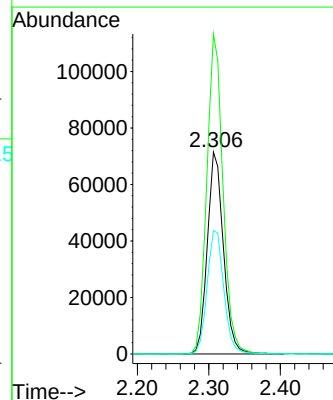
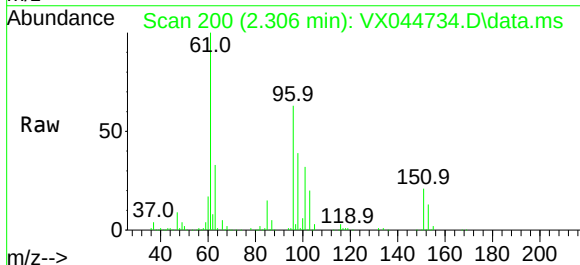
Tgt Ion: 96 Resp: 111815

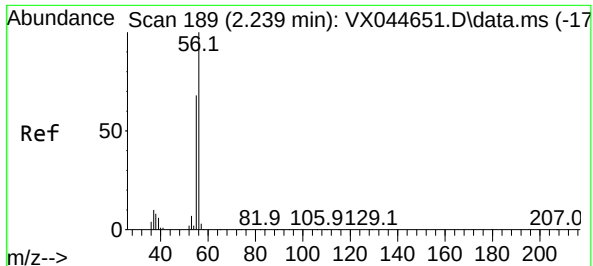
Ion Ratio Lower Upper

96 100

61 158.5 131.1 196.7

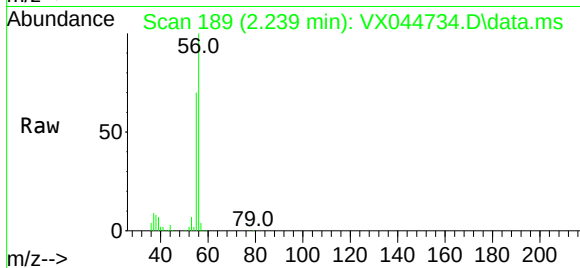
98 61.1 51.2 76.8





#13
Acrolein
Concen: 329.074 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

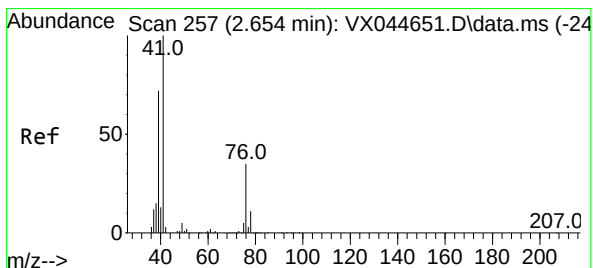
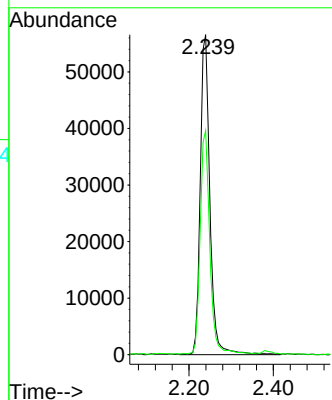
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 56 Resp: 90124
Ion Ratio Lower Upper
56 100
55 69.4 55.1 82.7

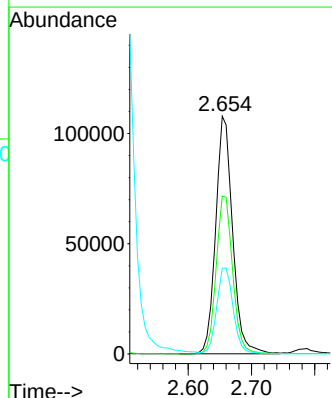
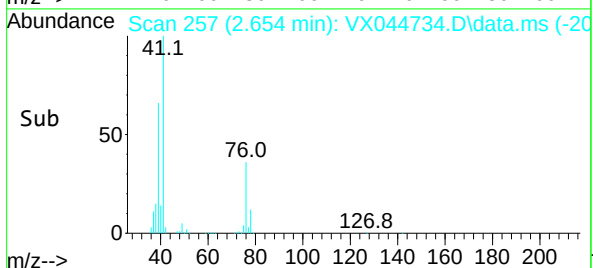
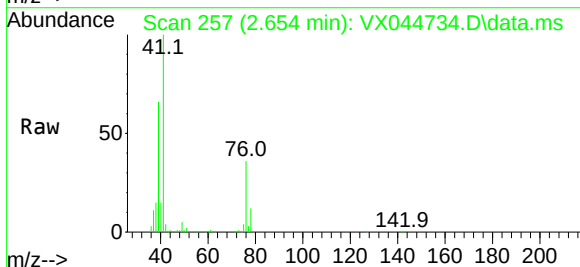
Manual Integrations
APPROVED

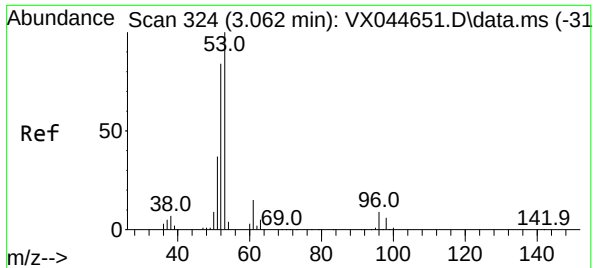
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#14
Allyl chloride
Concen: 50.867 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

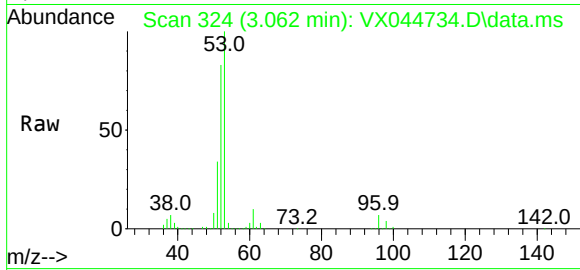
Tgt Ion: 41 Resp: 200564
Ion Ratio Lower Upper
41 100
39 64.9 54.9 82.3
76 35.4 28.4 42.6





#15
Acrylonitrile
Concen: 279.107 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

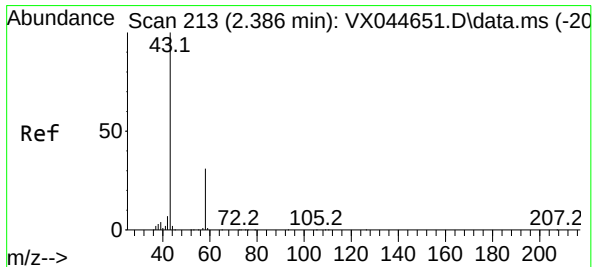
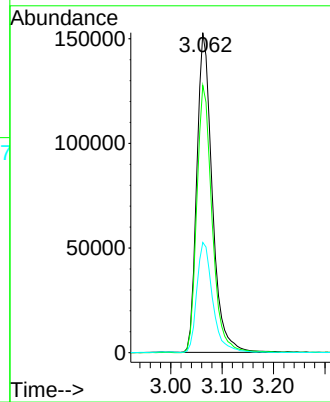
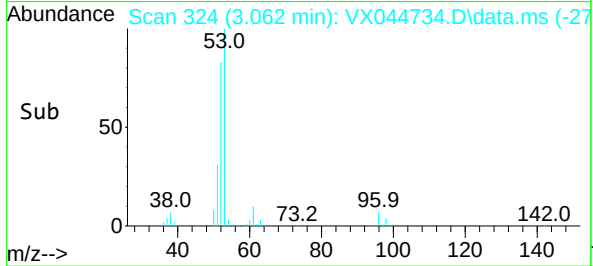
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 53 Resp: 318594
Ion Ratio Lower Upper
53 100
52 83.3 66.0 99.0
51 35.2 28.9 43.3

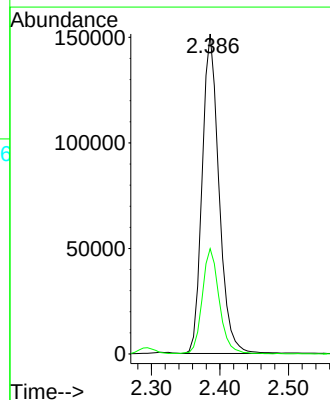
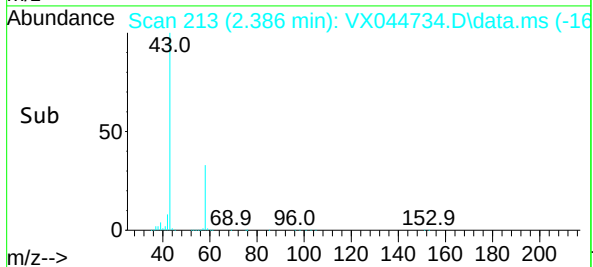
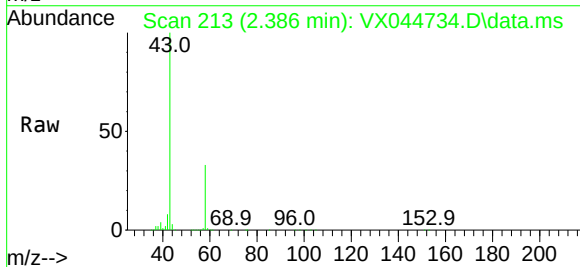
Manual Integrations
APPROVED

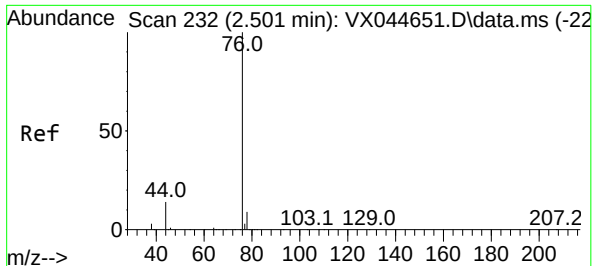
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#16
Acetone
Concen: 251.283 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

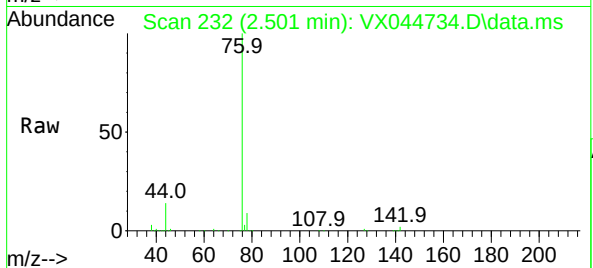
Tgt Ion: 43 Resp: 259537
Ion Ratio Lower Upper
43 100
58 32.8 24.6 37.0





#17
Carbon Disulfide
Concen: 53.527 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

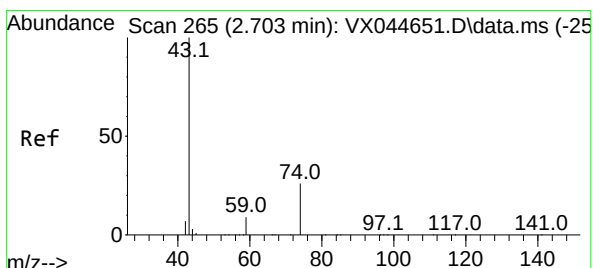
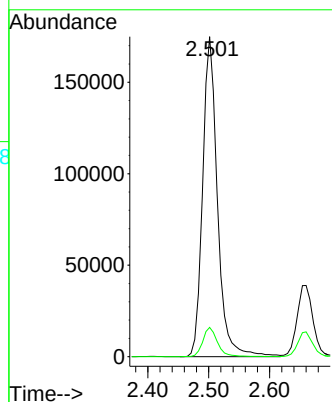
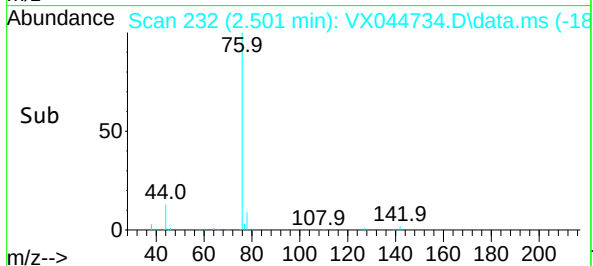
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 76 Resp: 29578
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

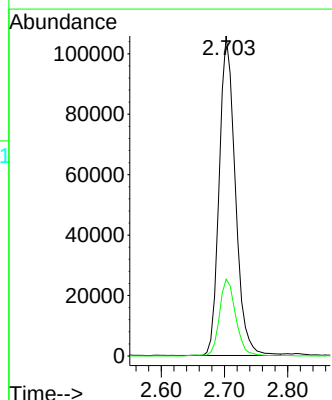
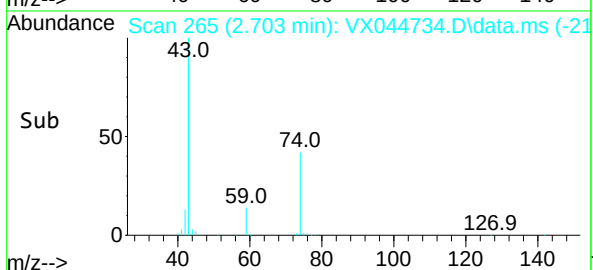
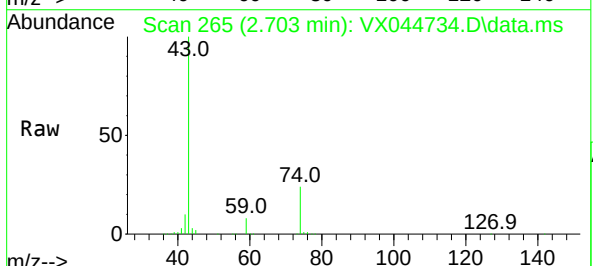
Manual Integrations
APPROVED

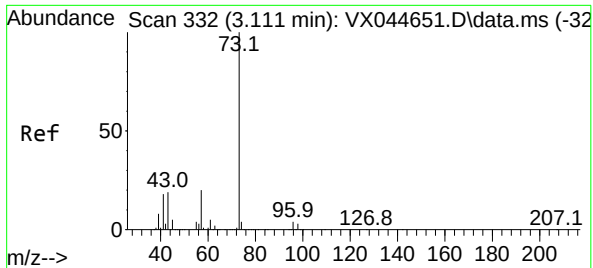
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#18
Methyl Acetate
Concen: 58.407 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

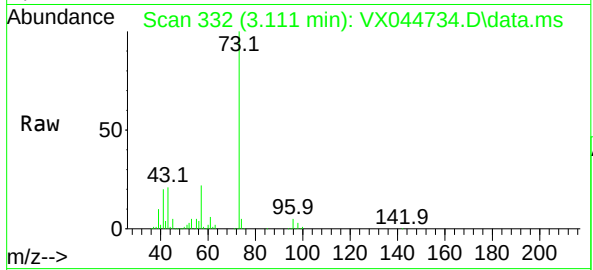
Tgt Ion: 43 Resp: 186114
Ion Ratio Lower Upper
43 100
74 24.4 19.8 29.8





#19
Methyl tert-butyl Ether
Concen: 50.627 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

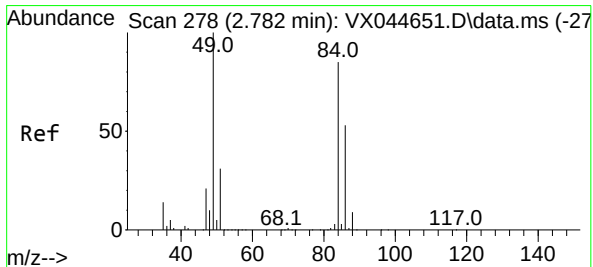
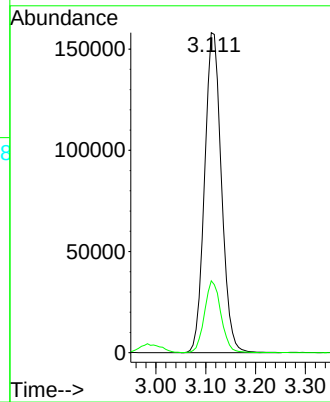
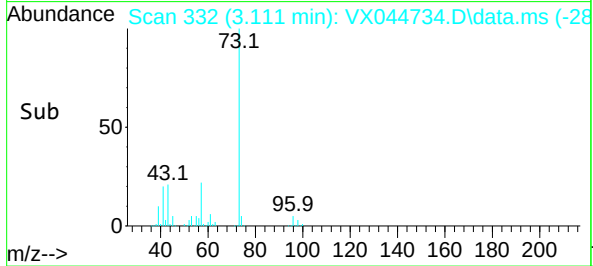
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 73 Resp: 371345
Ion Ratio Lower Upper
73 100
57 22.4 17.4 26.0

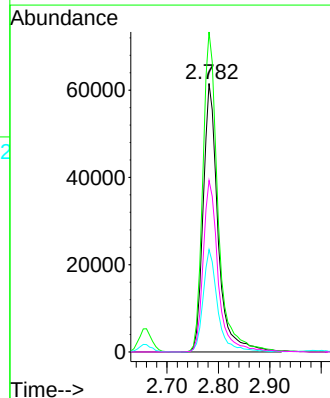
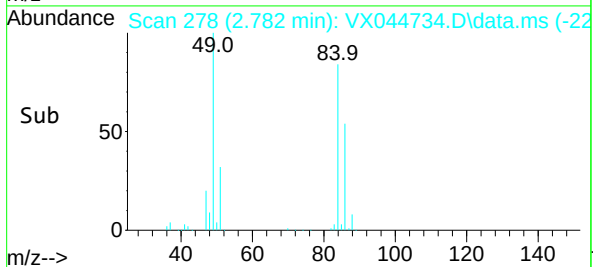
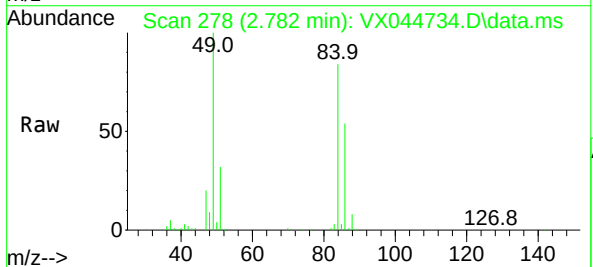
Manual Integrations
APPROVED

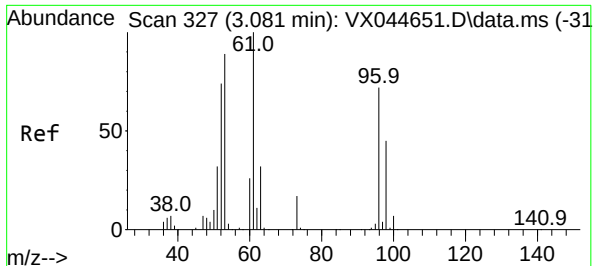
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#20
Methylene Chloride
Concen: 51.328 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

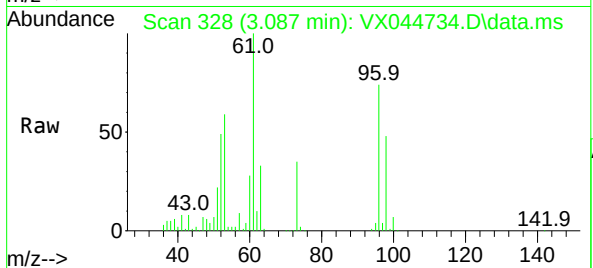
Tgt Ion: 84 Resp: 123457
Ion Ratio Lower Upper
84 100
49 119.2 94.2 141.4
51 38.2 28.8 43.2
86 63.9 50.3 75.5





#21
trans-1,2-Dichloroethene
Concen: 52.052 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

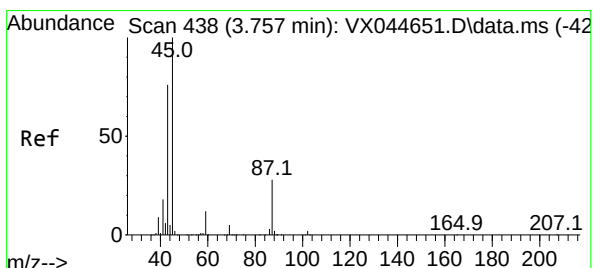
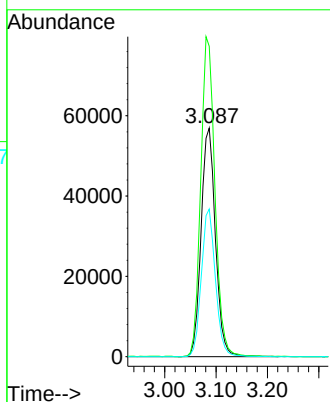
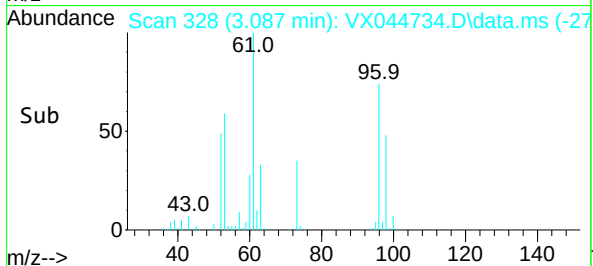
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 96 Resp: 11052
Ion Ratio Lower Upper
96 100
61 135.8 111.0 166.6
98 64.6 50.2 75.2

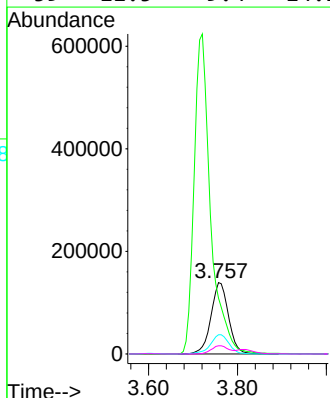
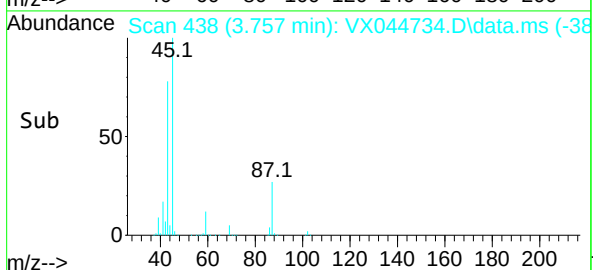
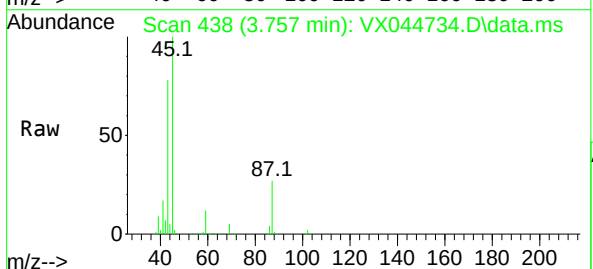
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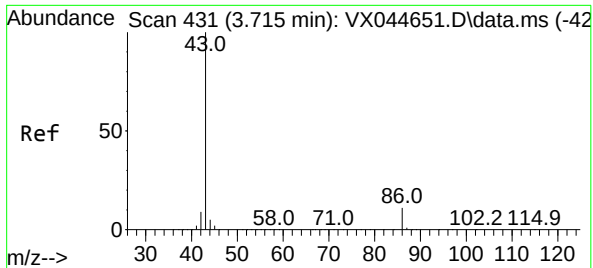
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#22
Diisopropyl ether
Concen: 55.621 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

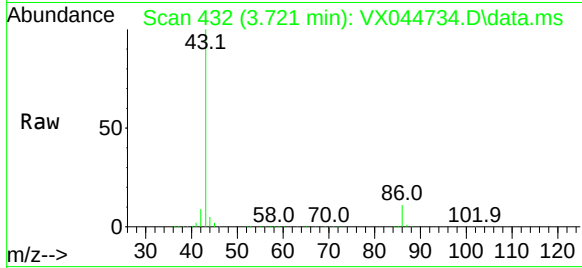
Tgt Ion: 45 Resp: 381220
Ion Ratio Lower Upper
45 100
43 78.1 61.0 91.6
87 26.8 22.7 34.1
59 11.5 9.4 14.2





#23
Vinyl Acetate
Concen: 267.851 ug/l
RT: 3.721 min Scan# 411
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

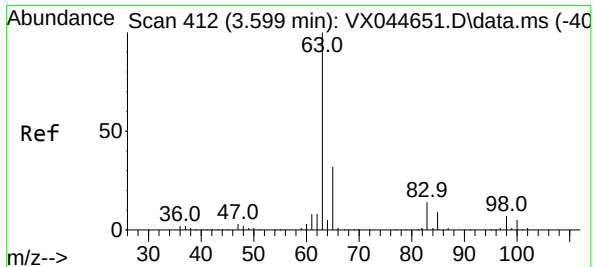
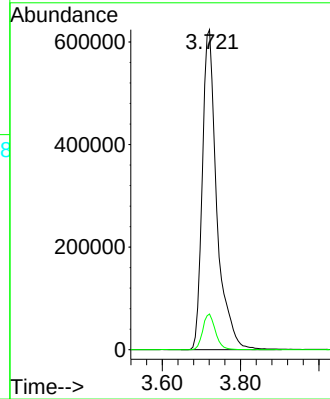
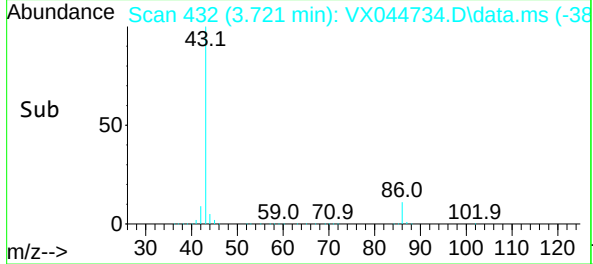
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



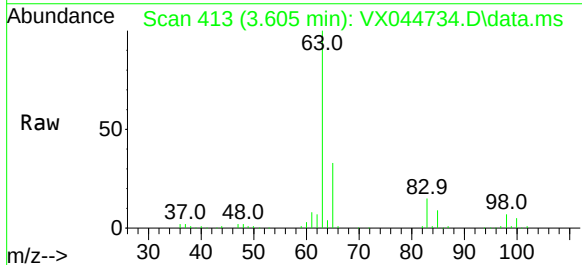
Tgt Ion: 43 Resp: 160682
Ion Ratio Lower Upper
43 100
86 11.1 8.9 13.3

Manual Integrations
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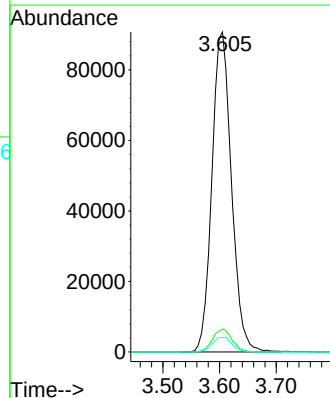
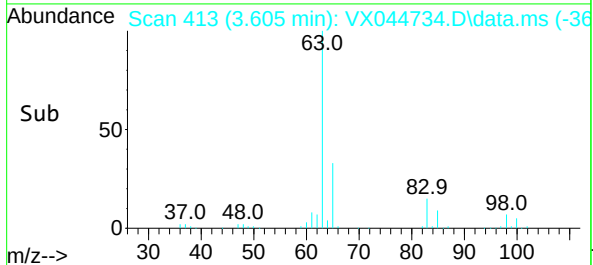
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

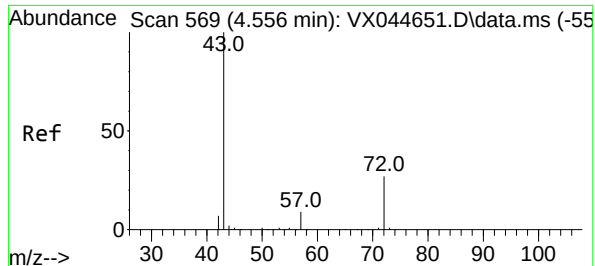


#24
1,1-Dichloroethane
Concen: 53.411 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09



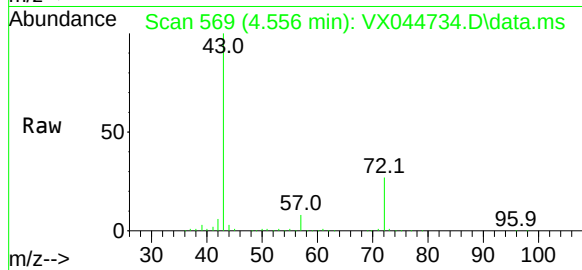
Tgt Ion: 63 Resp: 217085
Ion Ratio Lower Upper
63 100
98 7.2 3.6 10.9
100 4.5 2.5 7.5





#25
2-Butanone
Concen: 275.626 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

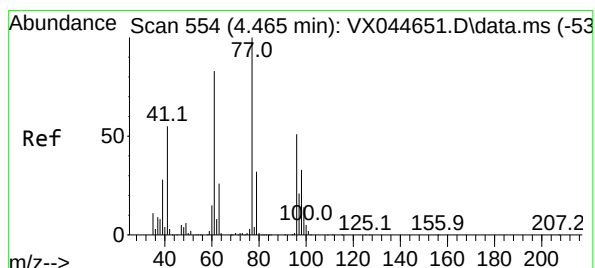
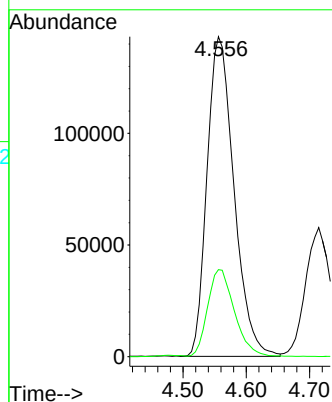
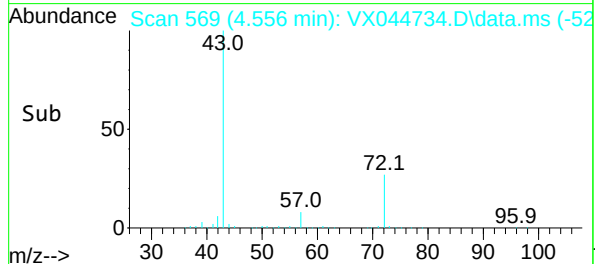
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 423260
Ion Ratio Lower Upper
43 100
72 27.0 21.7 32.5

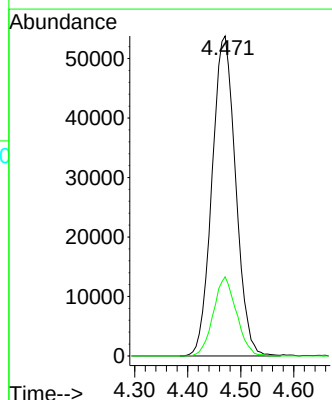
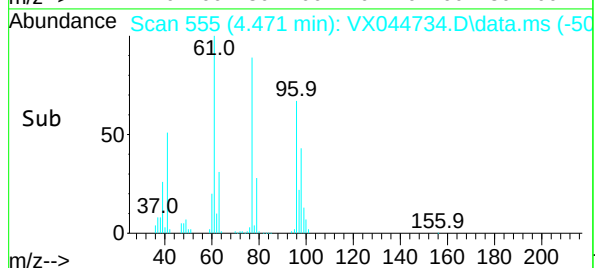
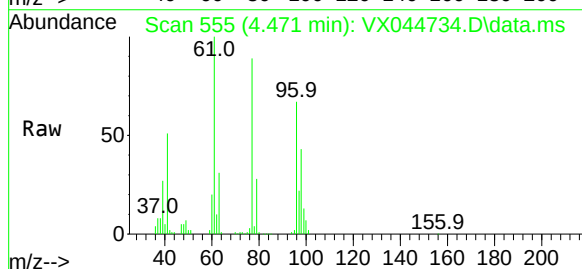
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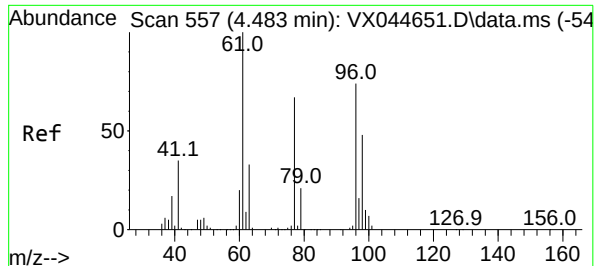
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#26
2,2-Dichloropropane
Concen: 42.282 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 77 Resp: 166555
Ion Ratio Lower Upper
77 100
97 24.1 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 50.998 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 13562

Ion Ratio Lower Upper

96 100

61 143.5 0.0 296.0

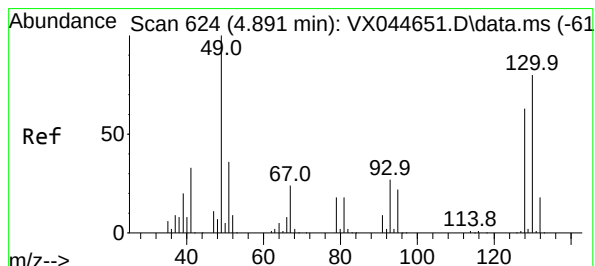
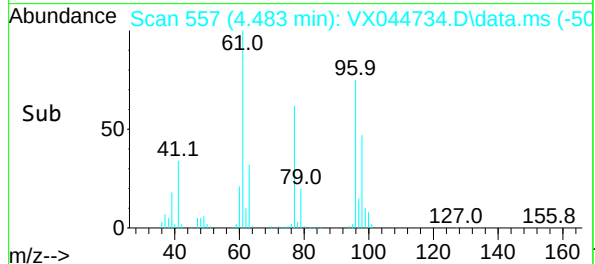
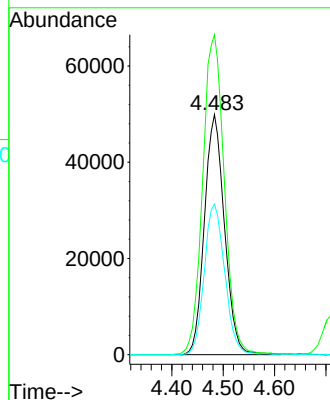
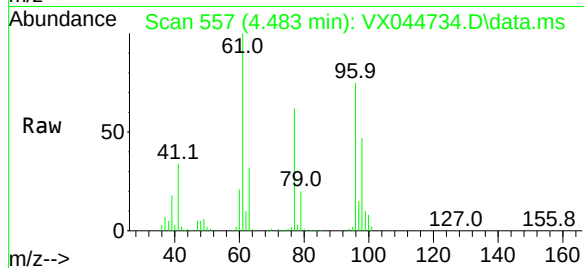
98 64.0 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#28

Bromochloromethane

Concen: 54.405 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

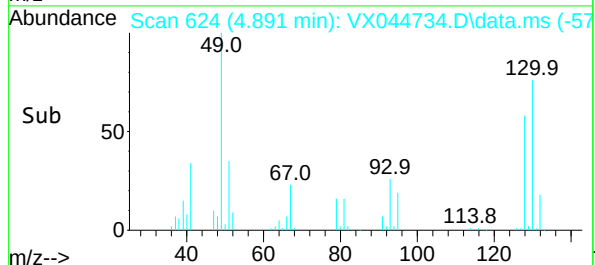
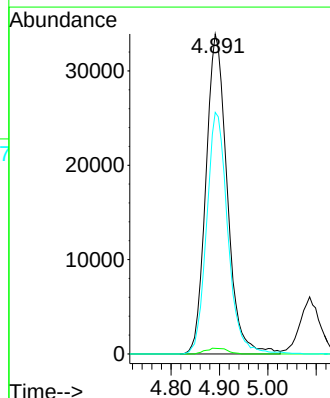
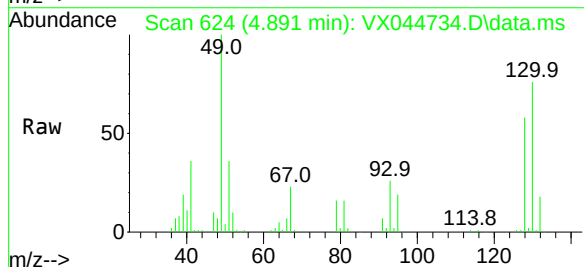
Tgt Ion: 49 Resp: 103327

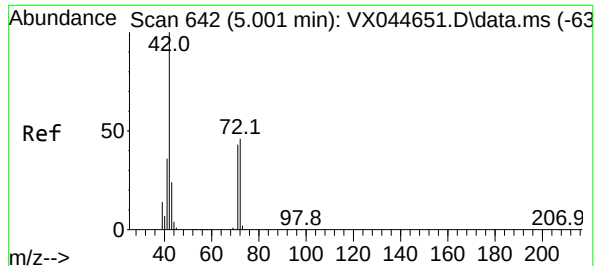
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.4

130 75.1 63.4 95.2





#29

Tetrahydrofuran

Concen: 279.917 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 277269

Ion Ratio Lower Upper

42 100

72 46.0 38.2 57.4

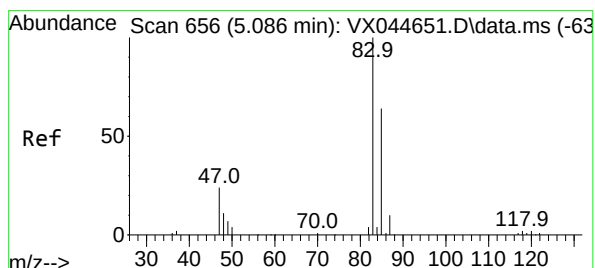
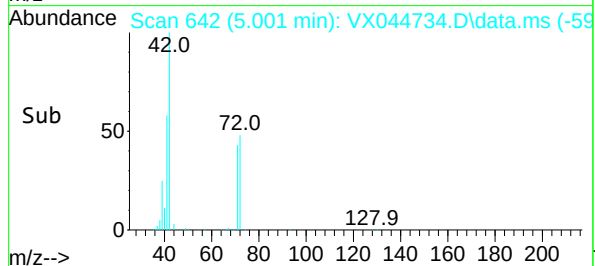
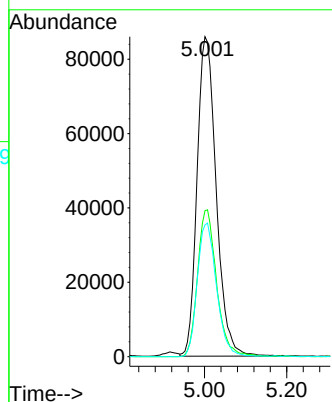
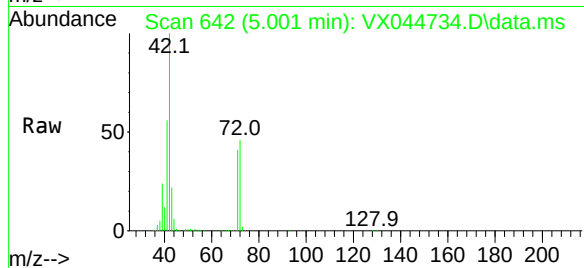
71 42.1 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#30

Chloroform

Concen: 50.629 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044734.D

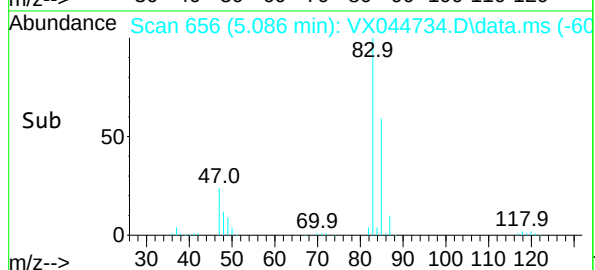
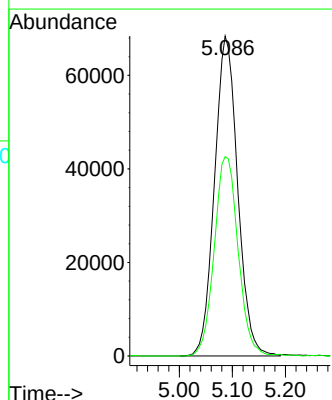
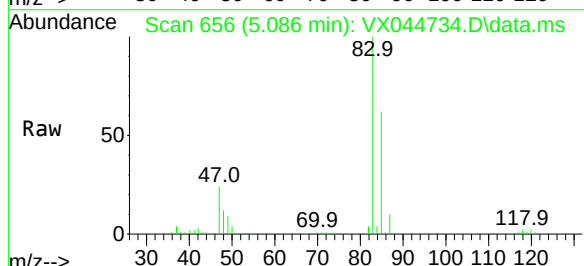
Acq: 27 Jan 2025 19:09

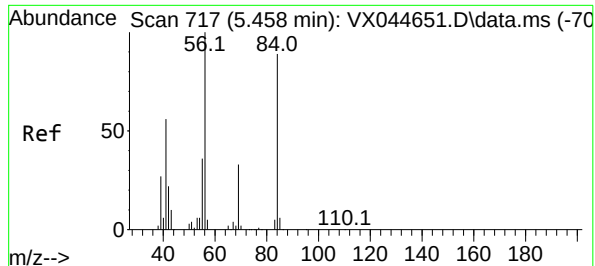
Tgt Ion: 83 Resp: 207669

Ion Ratio Lower Upper

83 100

85 62.3 51.2 76.8





#31

Cyclohexane

Concen: 56.510 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.006 min

Lab File: VX044734.D

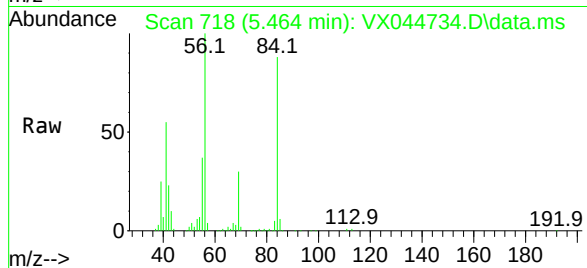
Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 56 Resp: 185760

Ion Ratio Lower Upper

56 100

69 29.6 26.8 40.2

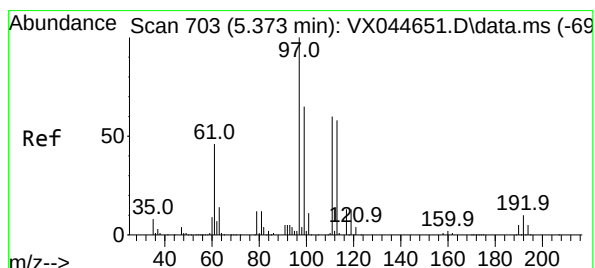
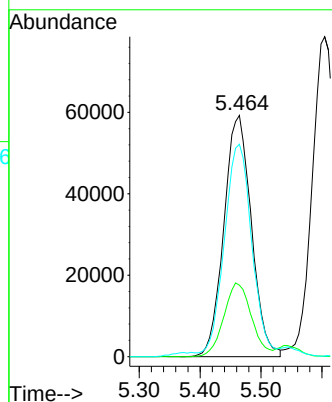
84 86.4 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#32

1,1,1-Trichloroethane

Concen: 47.142 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

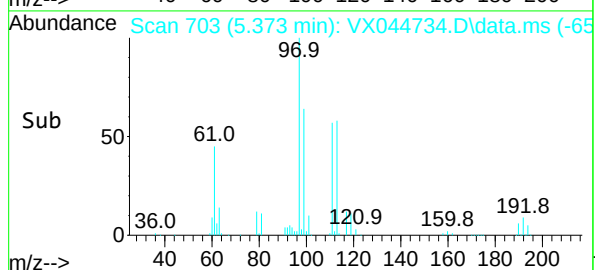
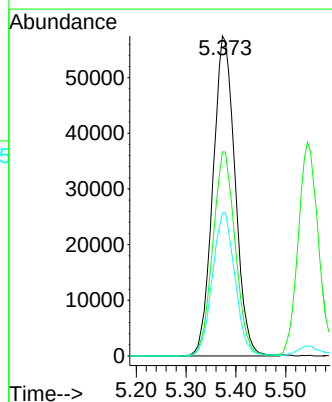
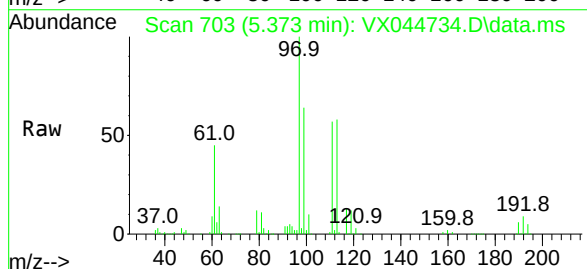
Tgt Ion: 97 Resp: 177763

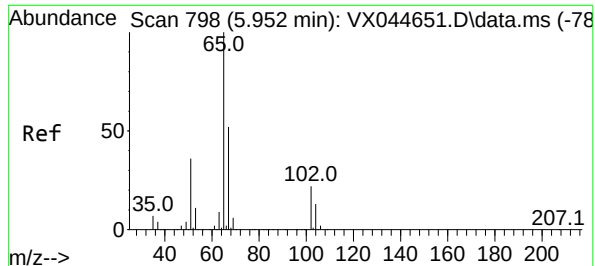
Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

61 45.6 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 47.199 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 123215

Ion Ratio Lower Upper

65 100

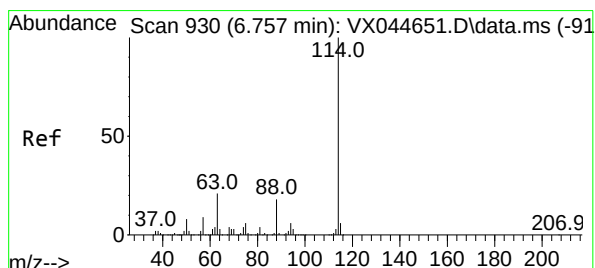
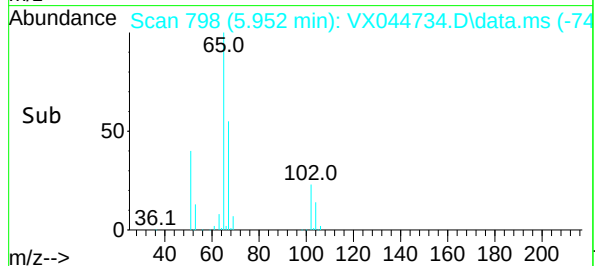
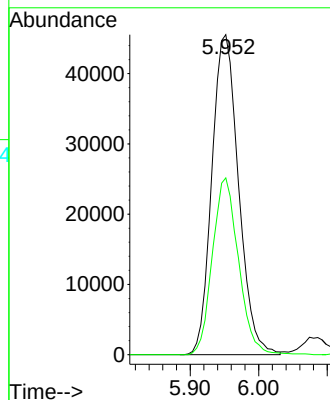
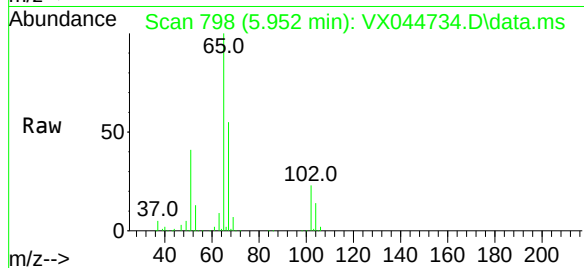
67 54.0 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

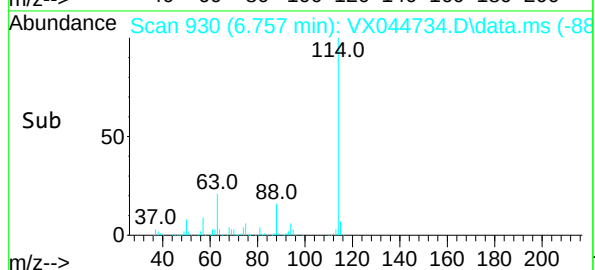
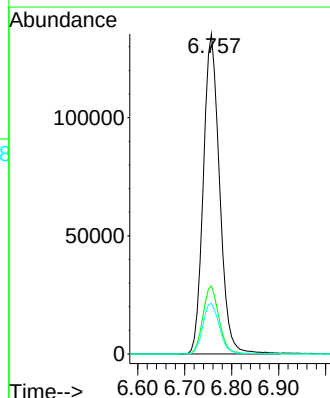
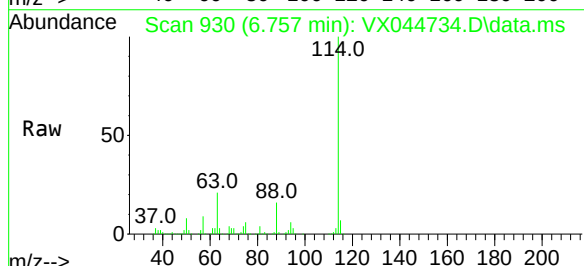
Tgt Ion:114 Resp: 325756

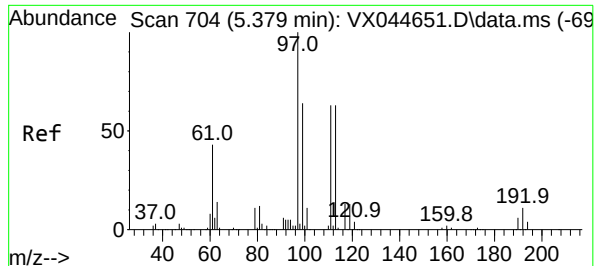
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.0

88 15.8 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.447 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:113 Resp: 104400

Ion Ratio Lower Upper

113 100

111 102.5 81.6 122.4

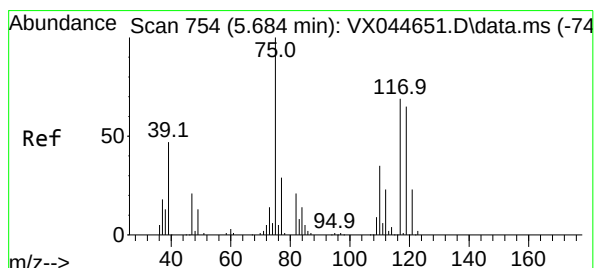
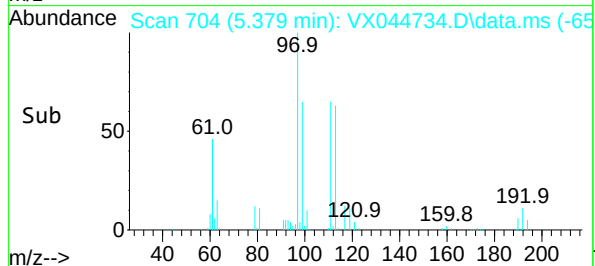
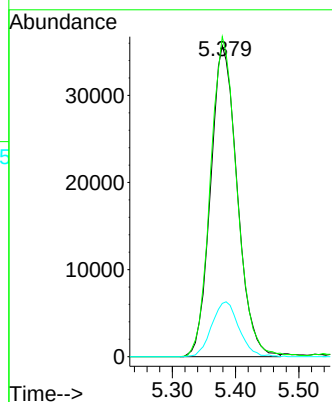
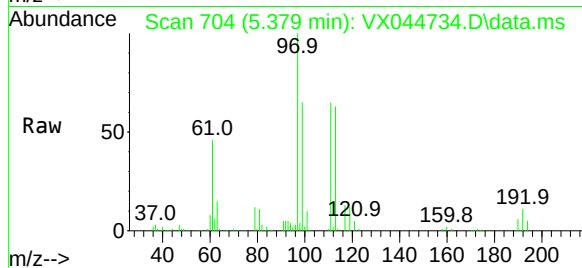
192 18.0 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#36

1,1-Dichloropropene

Concen: 49.591 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

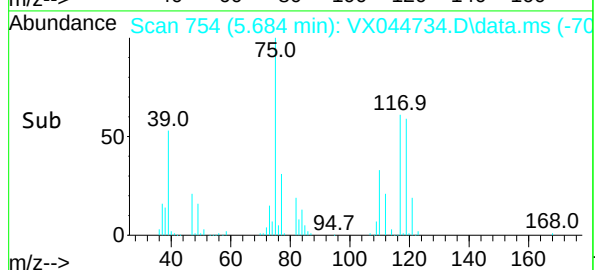
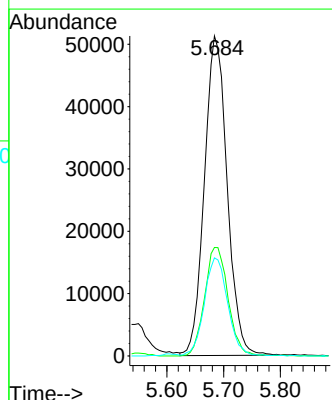
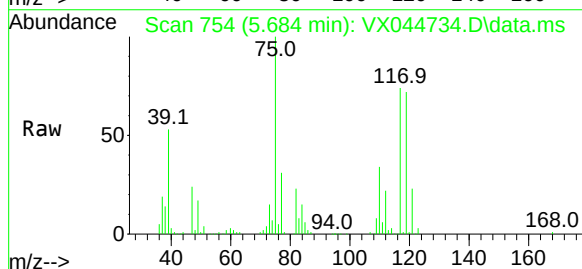
Tgt Ion: 75 Resp: 142861

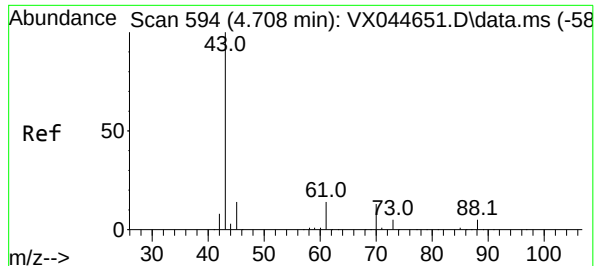
Ion Ratio Lower Upper

75 100

110 35.1 17.9 53.8

77 31.2 24.5 36.7





#37

Ethyl Acetate

Concen: 54.798 ug/l

RT: 4.714 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 168109

Ion Ratio Lower Upper

43 100

61 13.7 10.9 16.3

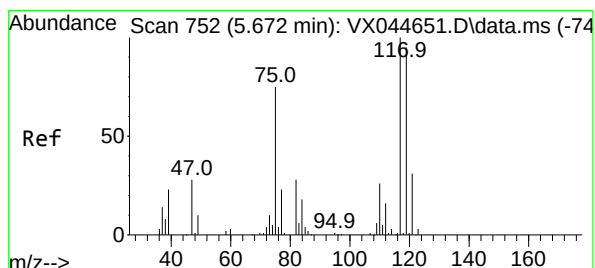
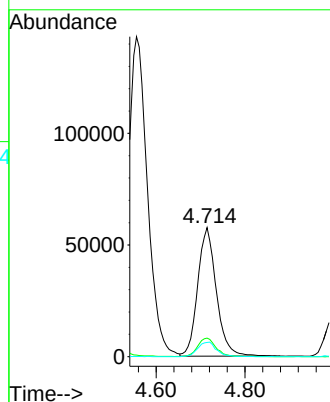
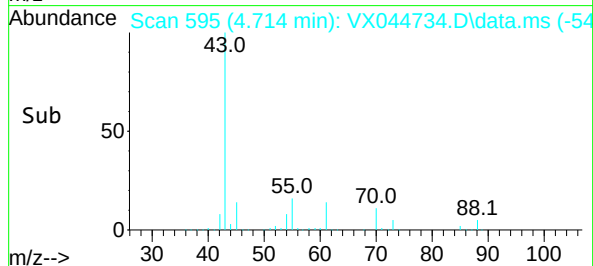
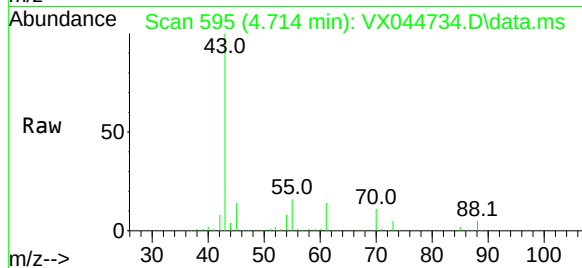
70 11.5 10.1 15.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#38

Carbon Tetrachloride

Concen: 46.468 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

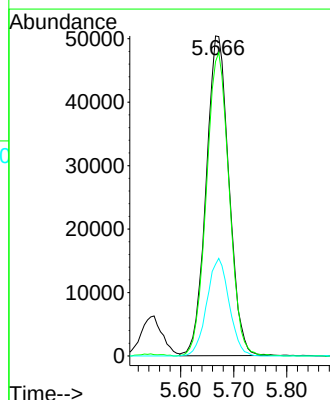
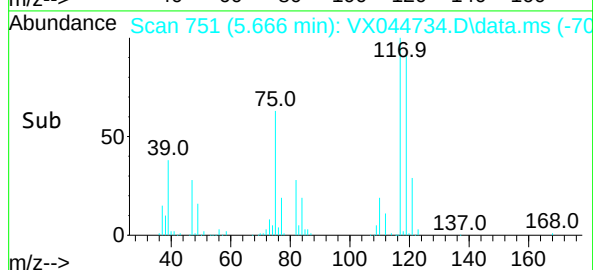
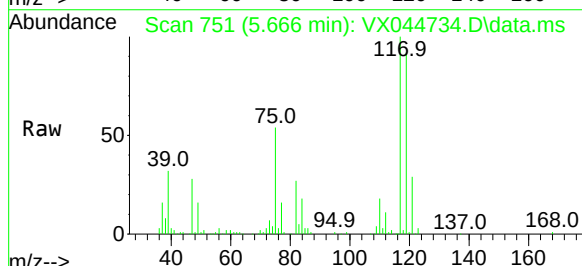
Tgt Ion:117 Resp: 150574

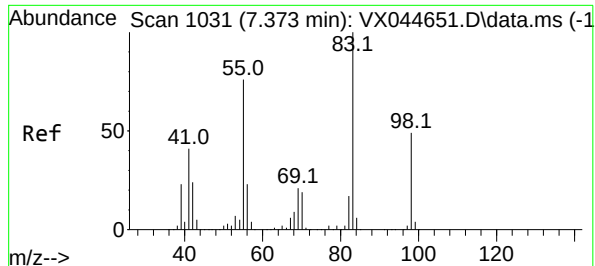
Ion Ratio Lower Upper

117 100

119 92.0 76.0 114.0

121 28.7 24.6 36.8





#39

Methylcyclohexane

Concen: 50.118 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 19166

Ion Ratio Lower Upper

83 100

55 74.5 60.5 90.7

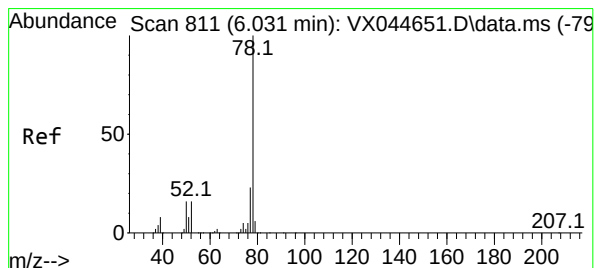
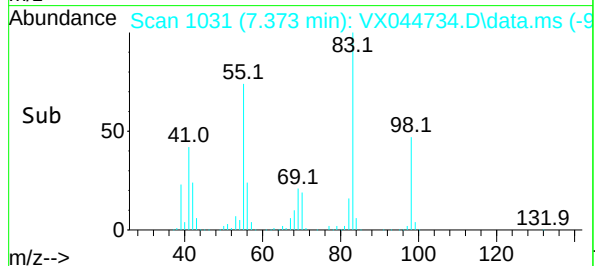
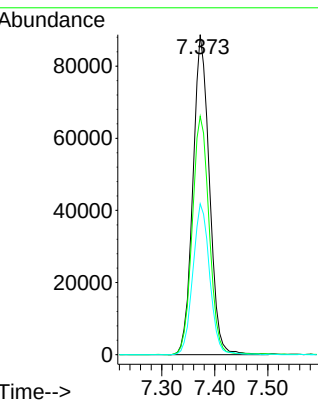
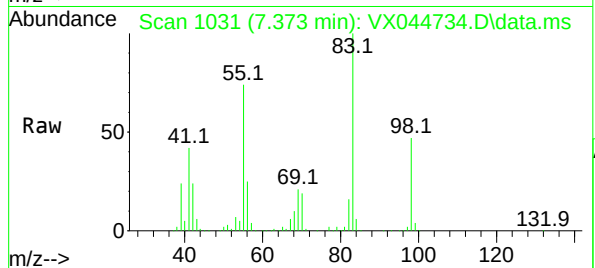
98 47.2 39.0 58.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#40

Benzene

Concen: 52.035 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044734.D

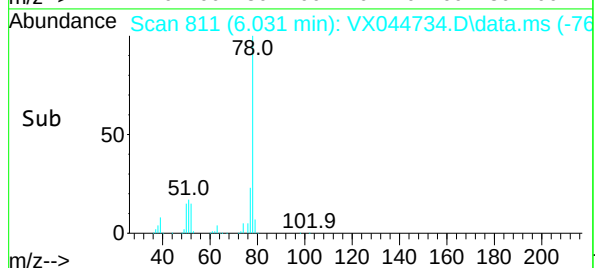
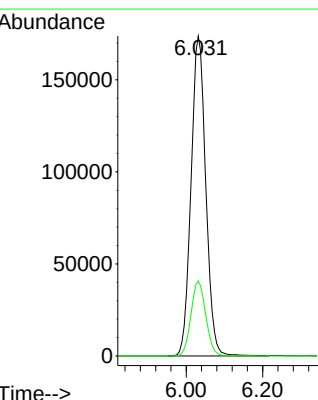
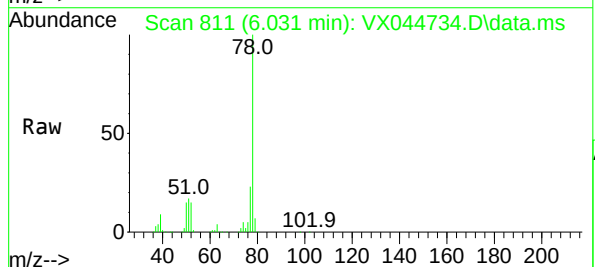
Acq: 27 Jan 2025 19:09

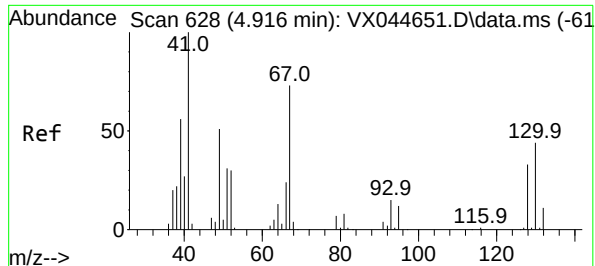
Tgt Ion: 78 Resp: 464502

Ion Ratio Lower Upper

78 100

77 23.4 18.7 28.1





#41

Methacrylonitrile

Concen: 52.088 ug/l

RT: 4.916 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 9311

Ion Ratio Lower Upper

41 100

39 57.0 44.4 66.6

67 74.6 60.6 90.8

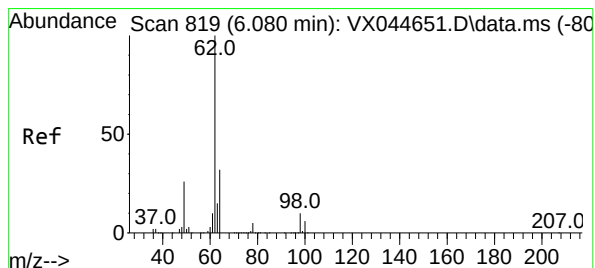
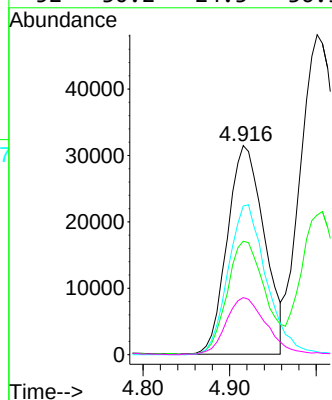
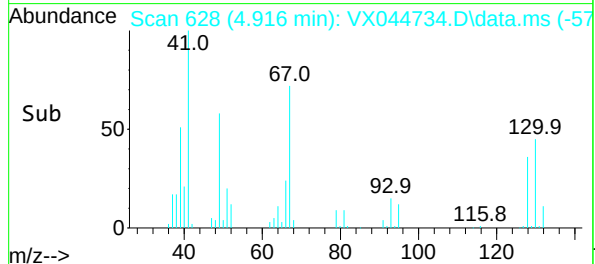
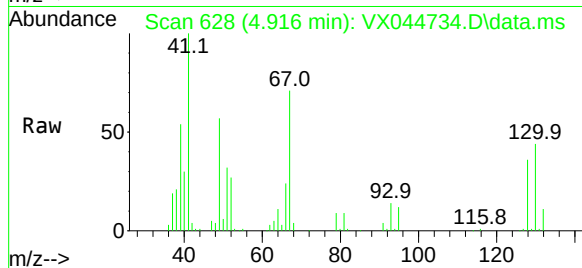
52 30.2 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#42

1,2-Dichloroethane

Concen: 46.037 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.000 min

Lab File: VX044734.D

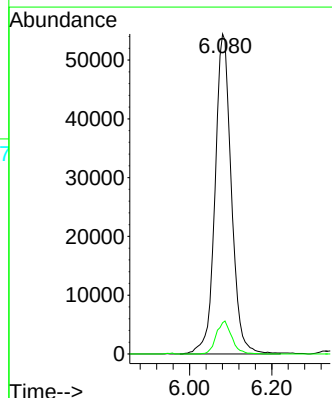
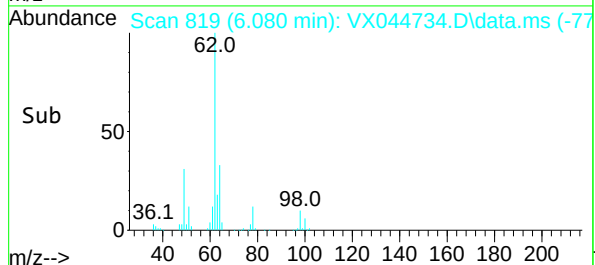
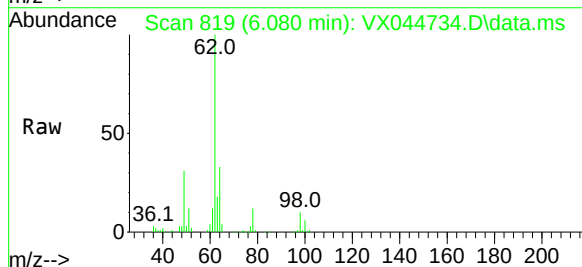
Acq: 27 Jan 2025 19:09

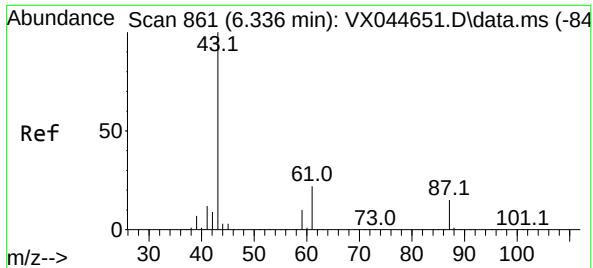
Tgt Ion: 62 Resp: 149994

Ion Ratio Lower Upper

62 100

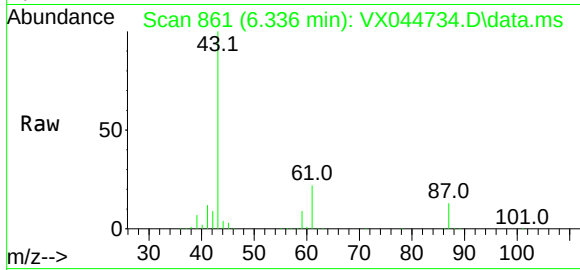
98 9.8 0.0 19.4





#43
Isopropyl Acetate
Concen: 49.636 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

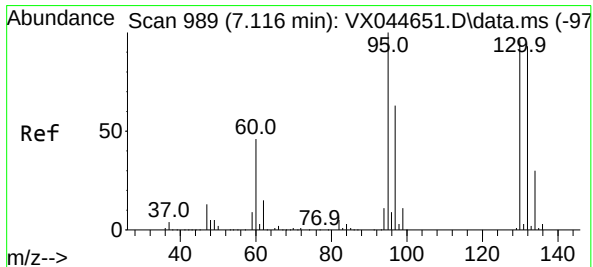
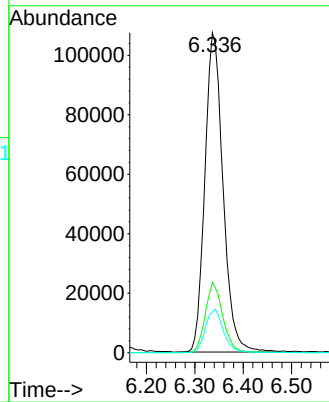
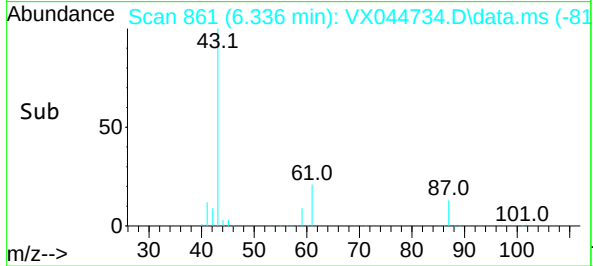
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 280120
Ion Ratio Lower Upper
43 100
61 21.4 16.6 24.8
87 13.5 11.0 16.6

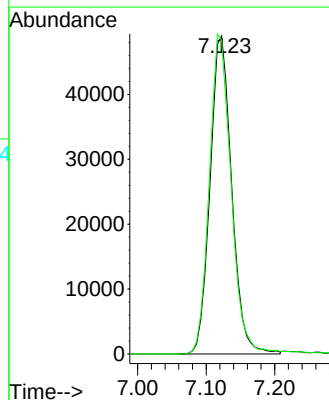
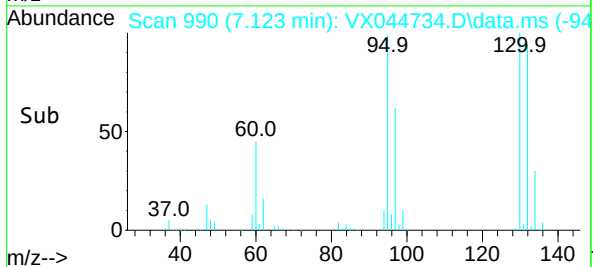
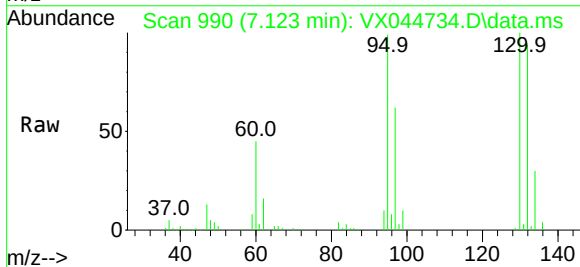
Manual Integrations
APPROVED

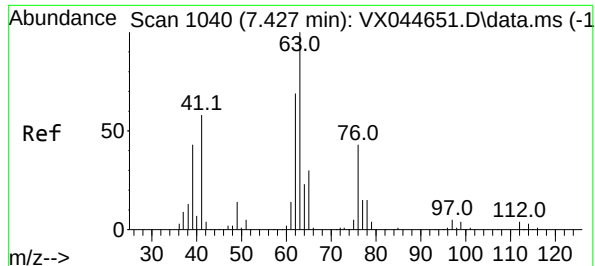
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#44
Trichloroethene
Concen: 49.981 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:130 Resp: 107262
Ion Ratio Lower Upper
130 100
95 98.7 0.0 208.2





#45

1,2-Dichloropropane

Concen: 52.217 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 11733

Ion Ratio Lower Upper

63 100

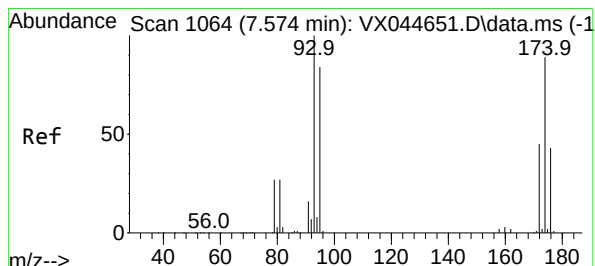
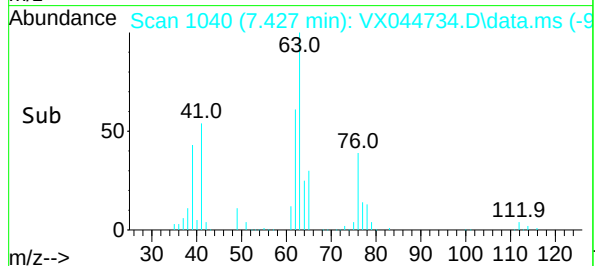
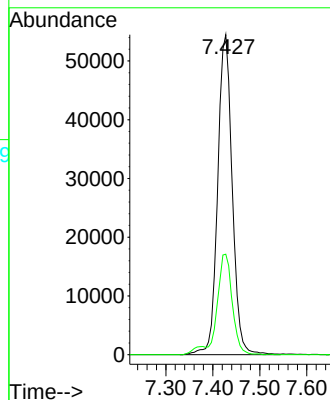
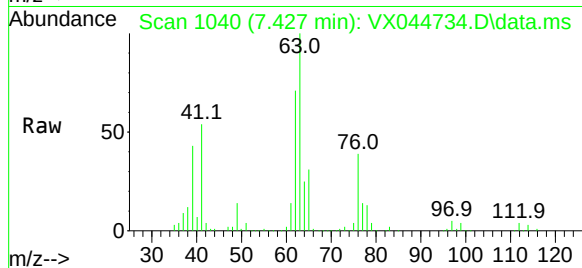
65 31.4 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#46

Dibromomethane

Concen: 47.970 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

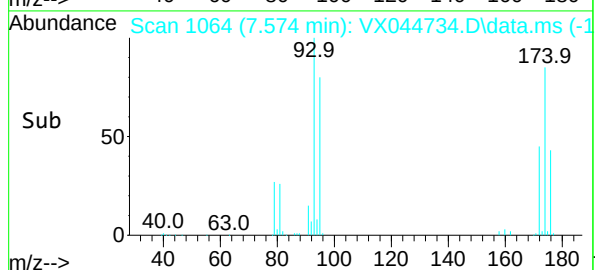
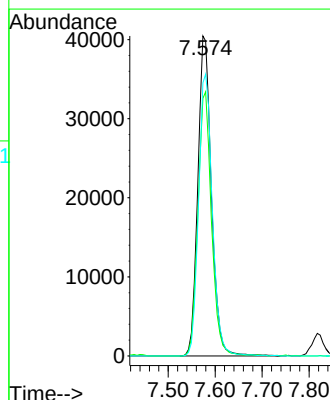
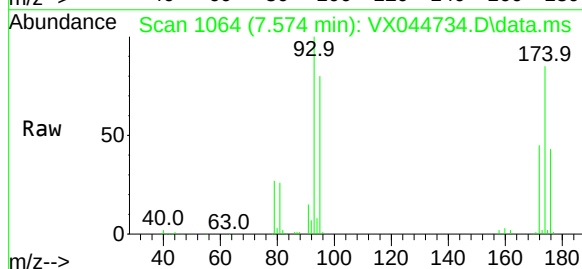
Tgt Ion: 93 Resp: 82056

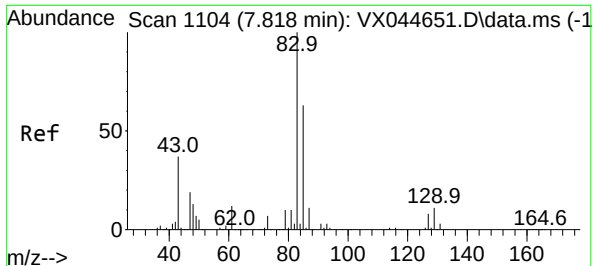
Ion Ratio Lower Upper

93 100

95 82.2 66.4 99.6

174 89.0 72.0 108.0





#47

Bromodichloromethane

Concen: 46.892 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044734.D

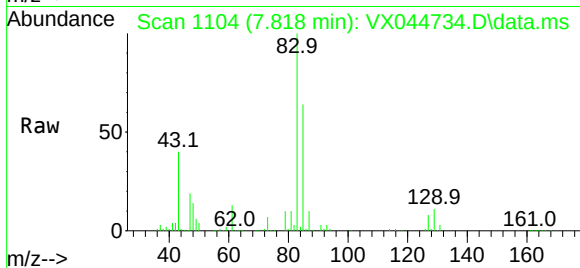
Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC



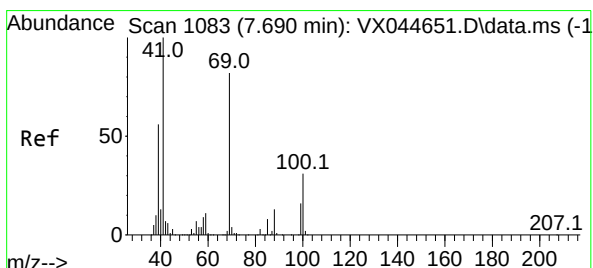
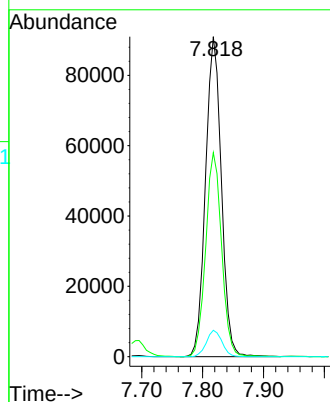
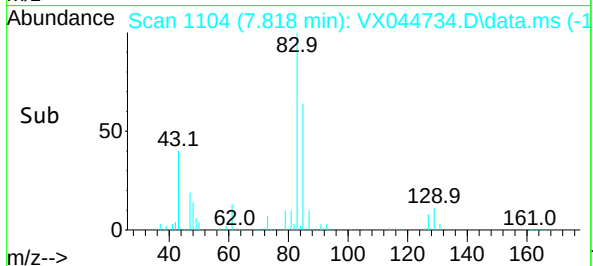
Tgt Ion:	83	Resp:	16449
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.1	75.1
127	8.2	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#48

Methyl methacrylate

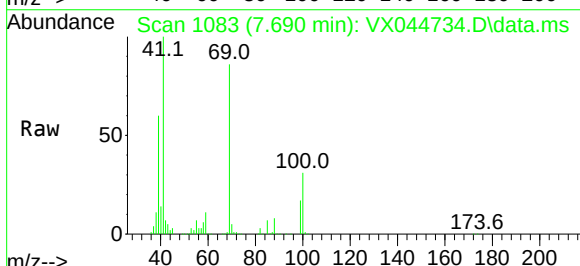
Concen: 51.021 ug/l

RT: 7.690 min Scan# 1083

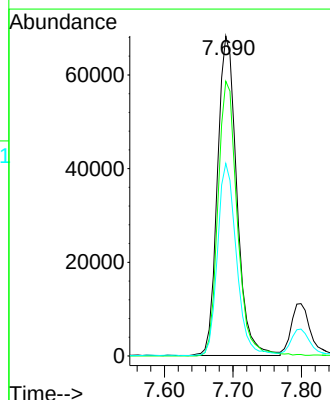
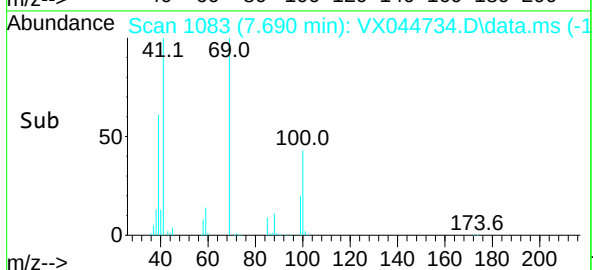
Delta R.T. 0.000 min

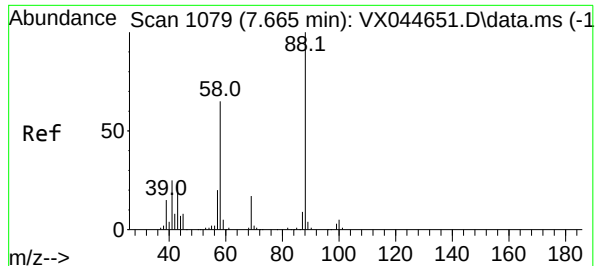
Lab File: VX044734.D

Acq: 27 Jan 2025 19:09



Tgt Ion:	41	Resp:	133656
Ion	Ratio	Lower	Upper
41	100		
69	85.5	66.8	100.2
39	58.5	47.4	71.0





#49

1,4-Dioxane

Concen: 958.191 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 88 Resp: 52370

Ion Ratio Lower Upper

88 100

43 32.8 27.0 40.4

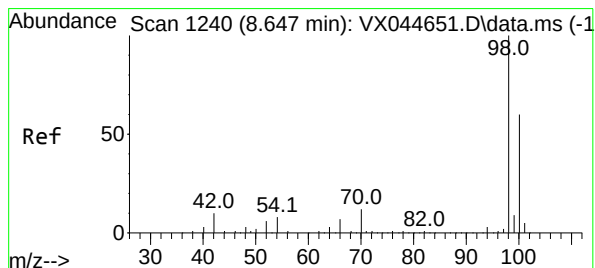
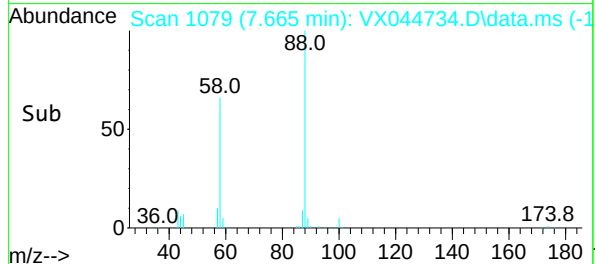
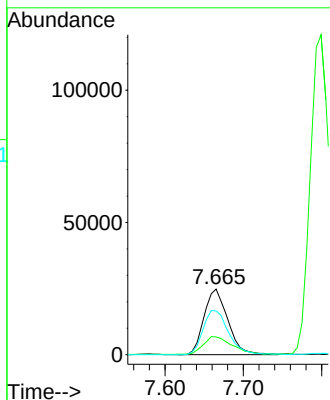
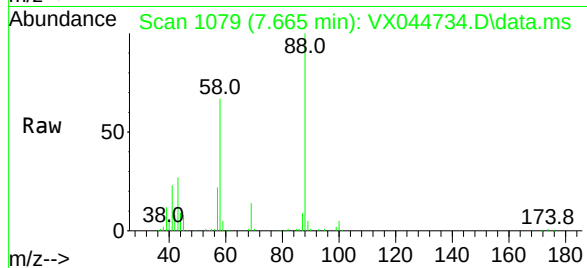
58 72.4 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#50

Toluene-d8

Concen: 51.838 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044734.D

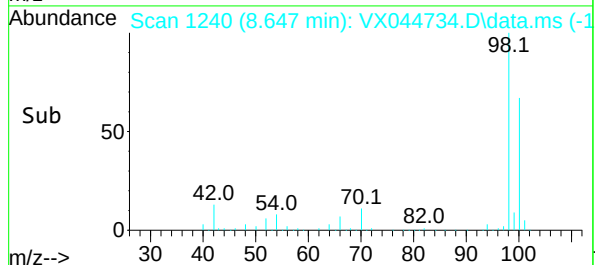
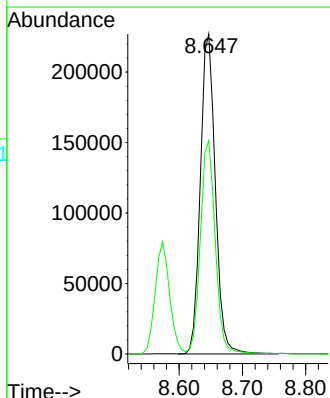
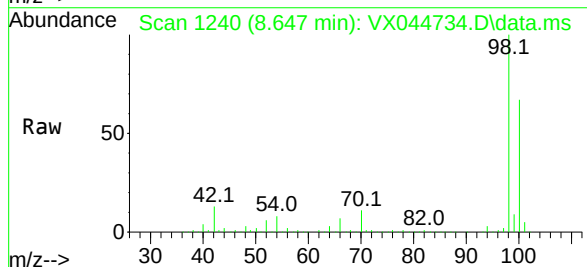
Acq: 27 Jan 2025 19:09

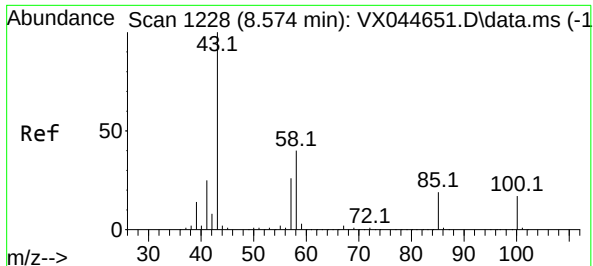
Tgt Ion: 98 Resp: 374057

Ion Ratio Lower Upper

98 100

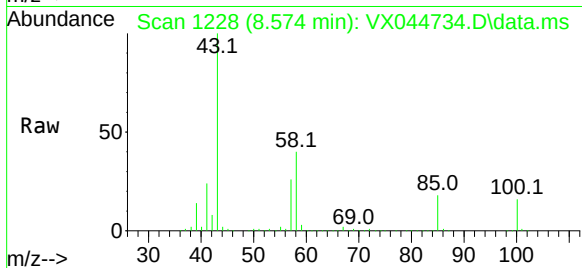
100 66.3 53.2 79.8





#51
4-Methyl-2-Pentanone
Concen: 258.036 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

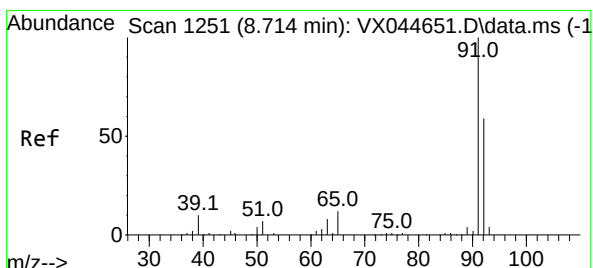
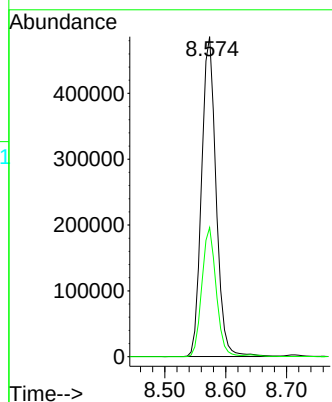
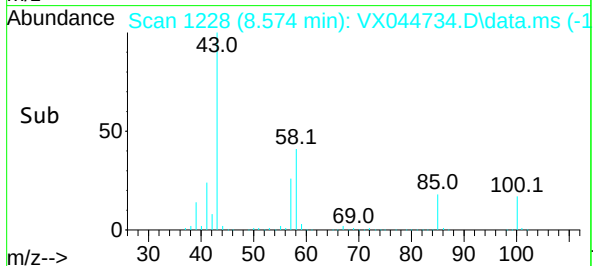
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 804760
Ion Ratio Lower Upper
43 100
58 39.6 31.9 47.9

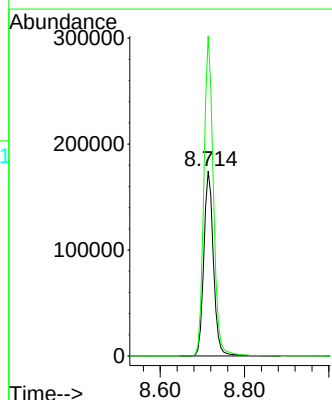
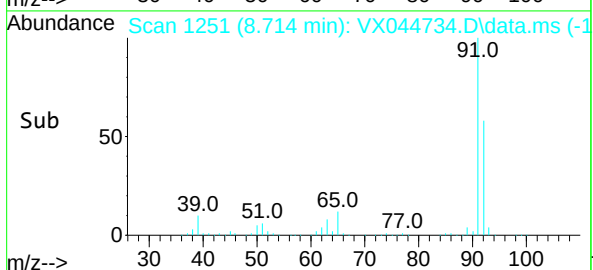
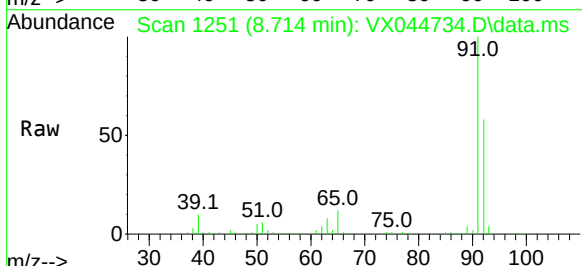
Manual Integrations
APPROVED

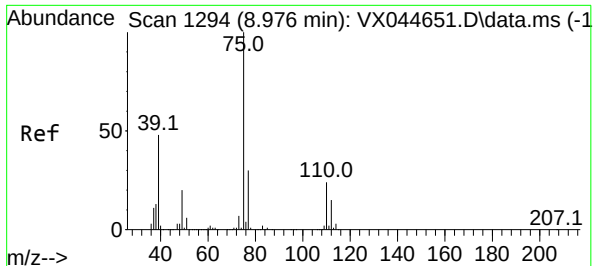
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#52
Toluene
Concen: 50.481 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 92 Resp: 275818
Ion Ratio Lower Upper
92 100
91 171.6 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 46.558 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 16874

Ion Ratio Lower Upper

75 100

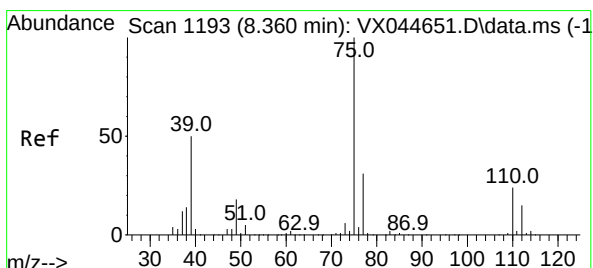
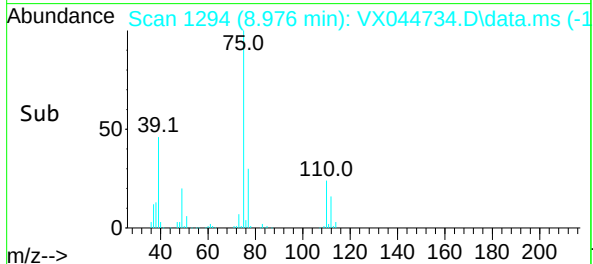
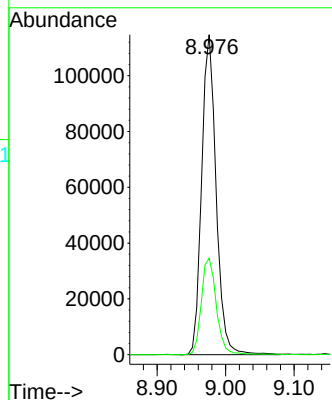
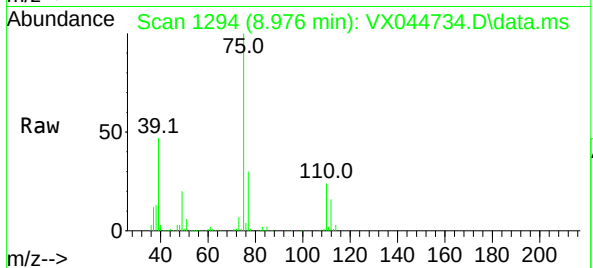
77 30.1 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#54

cis-1,3-Dichloropropene

Concen: 47.685 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

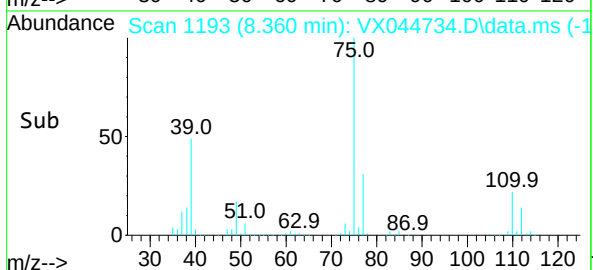
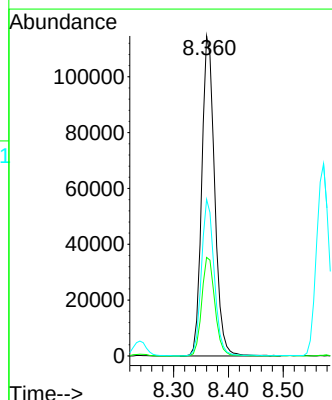
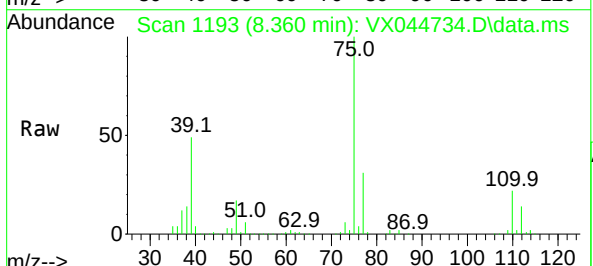
Tgt Ion: 75 Resp: 187397

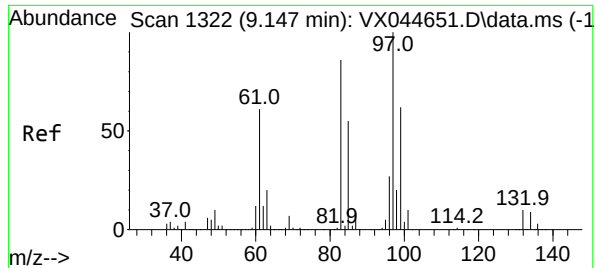
Ion Ratio Lower Upper

75 100

77 30.8 25.1 37.7

39 48.9 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 48.870 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 10803

Ion Ratio Lower Upper

97 100

83 88.0 68.8 103.2

85 55.6 43.7 65.5

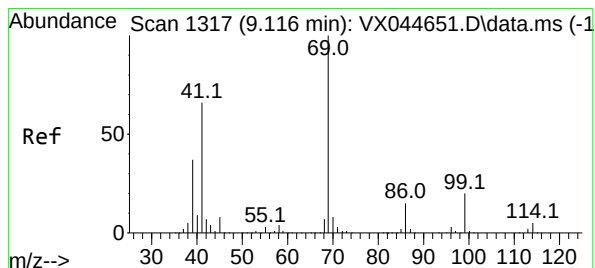
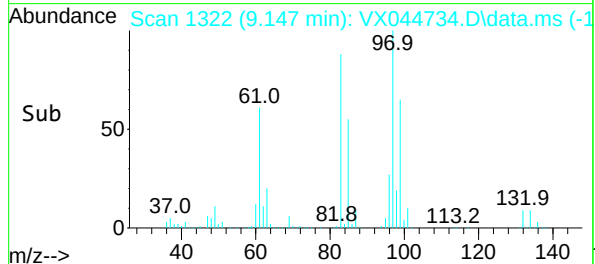
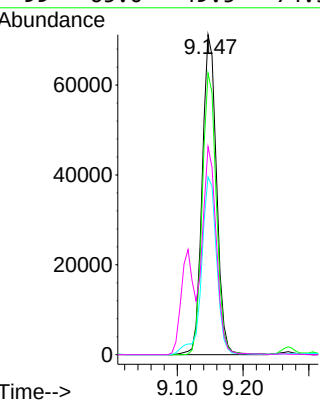
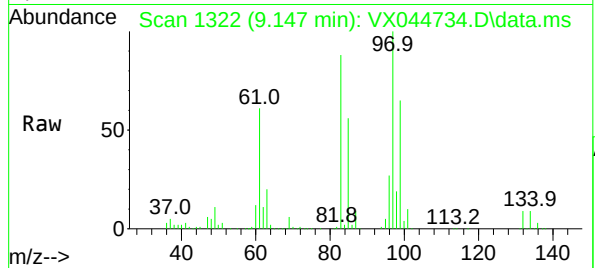
99 65.0 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#56

Ethyl methacrylate

Concen: 48.786 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

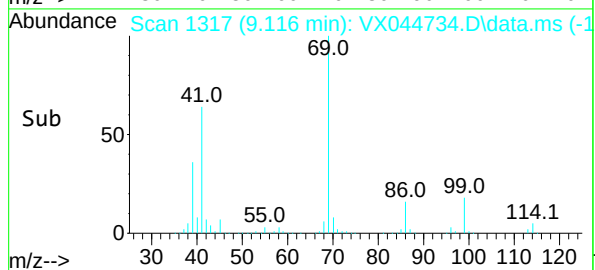
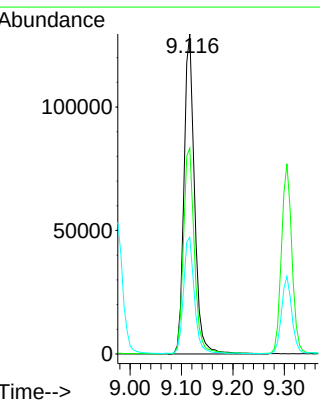
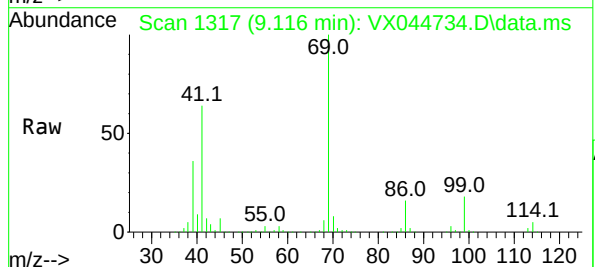
Tgt Ion: 69 Resp: 185430

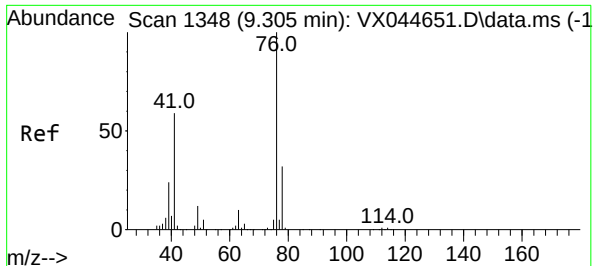
Ion Ratio Lower Upper

69 100

41 66.7 53.2 79.8

39 37.3 30.2 45.2





#57

1,3-Dichloropropane

Concen: 49.168 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 18508

Ion Ratio Lower Upper

76 100

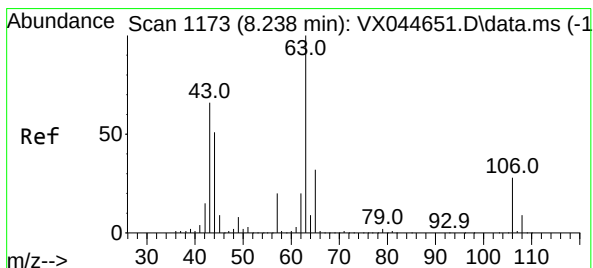
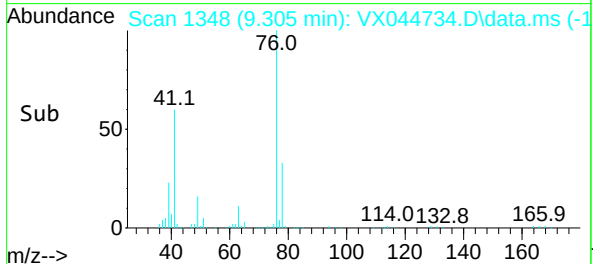
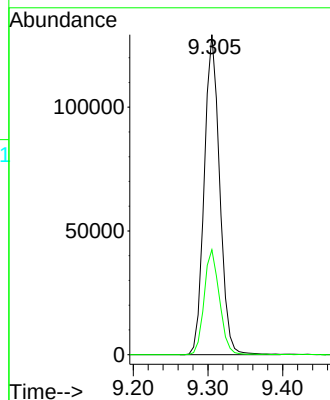
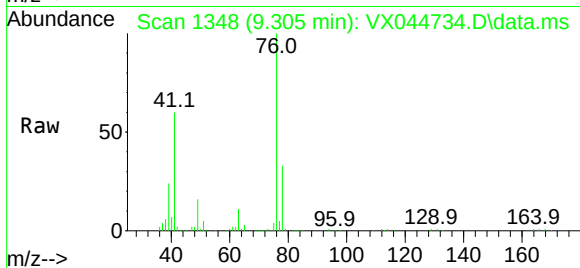
78 32.6 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#58

2-Chloroethyl Vinyl ether

Concen: 223.982 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044734.D

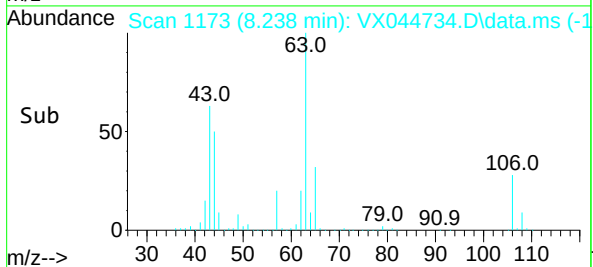
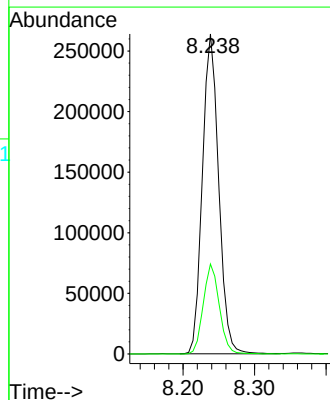
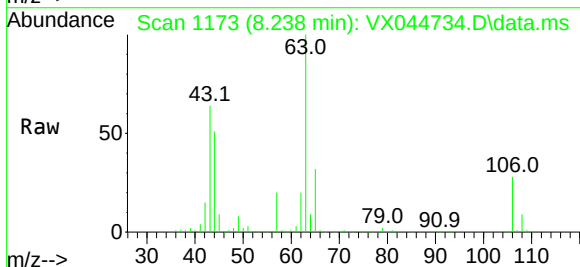
Acq: 27 Jan 2025 19:09

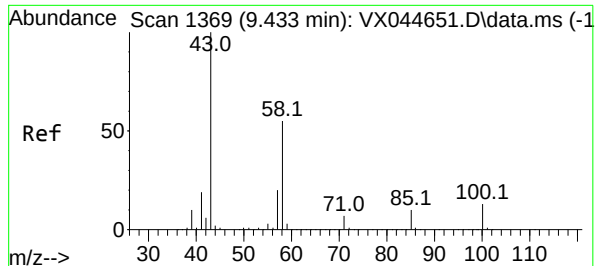
Tgt Ion: 63 Resp: 417955

Ion Ratio Lower Upper

63 100

106 27.7 23.0 34.6





#59

2-Hexanone

Concen: 256.939 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.006 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 589548

Ion Ratio Lower Upper

43 100

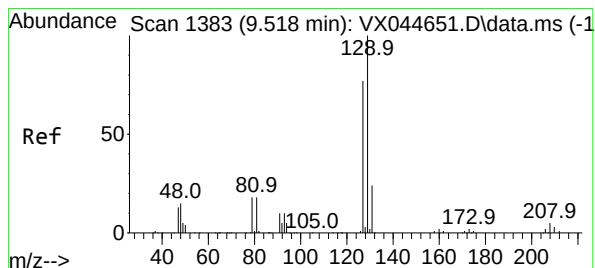
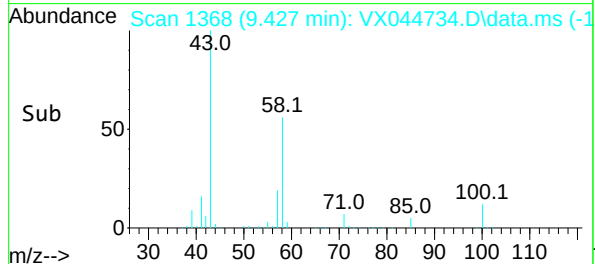
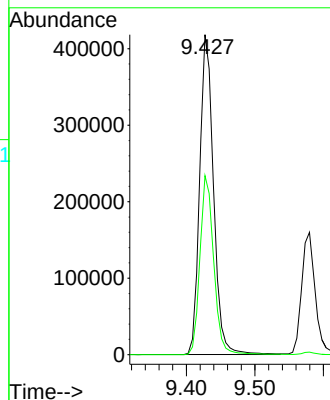
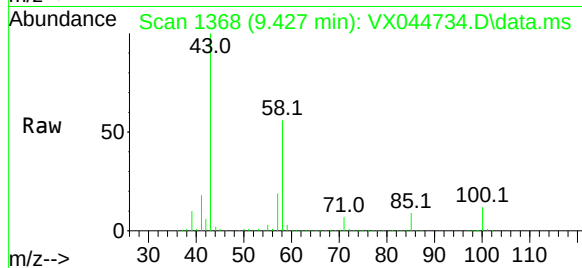
58 55.8 27.8 83.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#60

Dibromochloromethane

Concen: 46.299 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044734.D

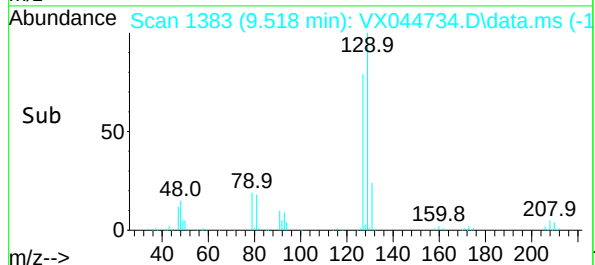
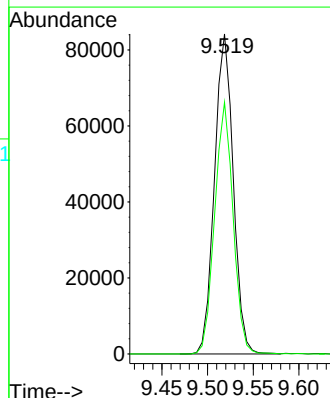
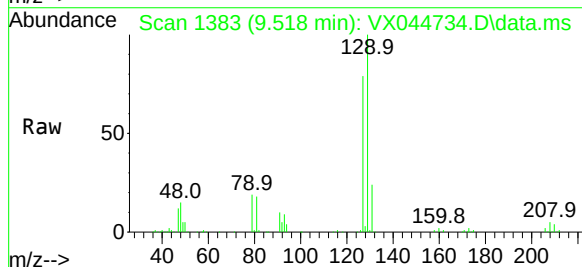
Acq: 27 Jan 2025 19:09

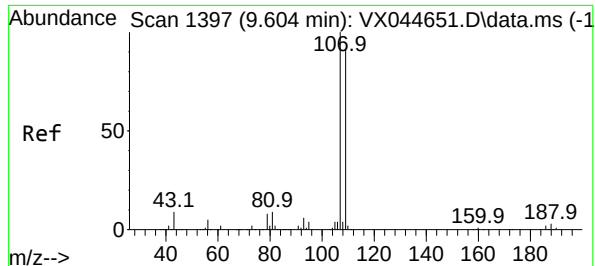
Tgt Ion:129 Resp: 120124

Ion Ratio Lower Upper

129 100

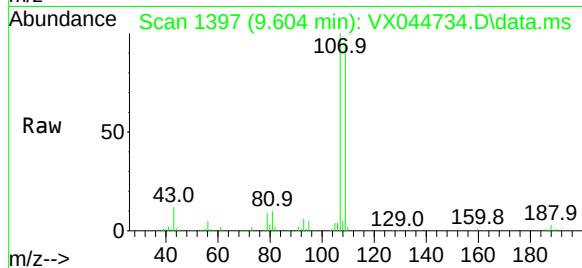
127 77.4 38.5 115.5





#61
1,2-Dibromoethane
Concen: 47.644 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

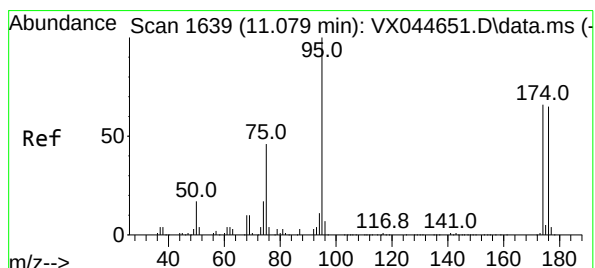
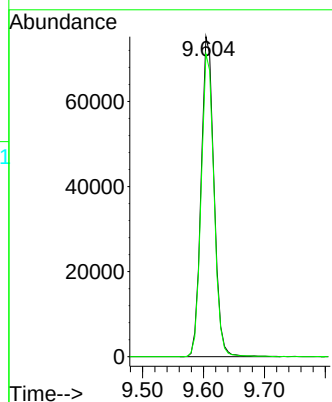
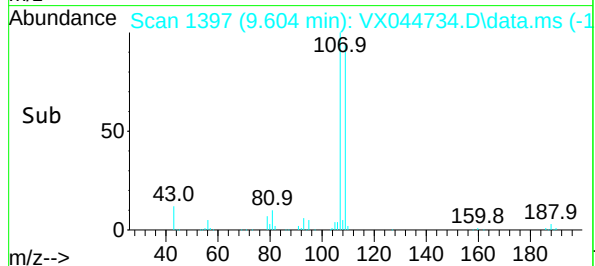
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:107 Resp: 110375
Ion Ratio Lower Upper
107 100
109 94.6 75.3 112.9

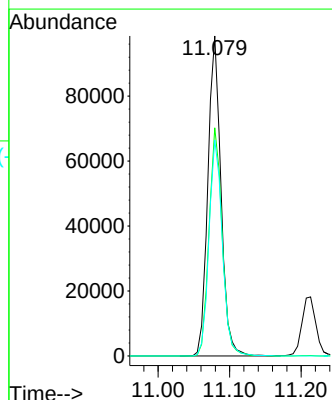
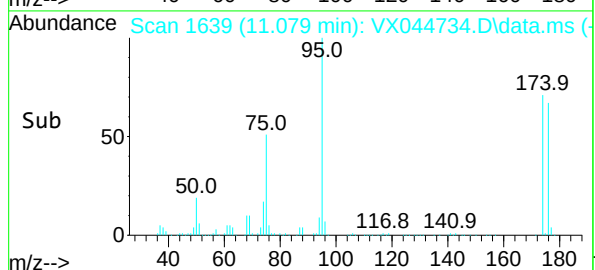
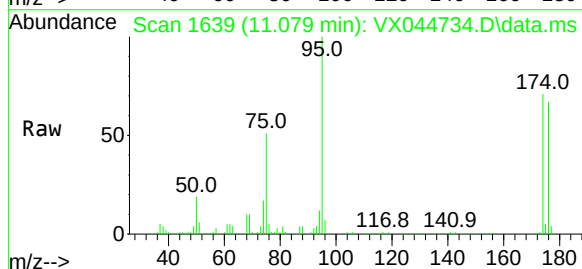
Manual Integrations
APPROVED

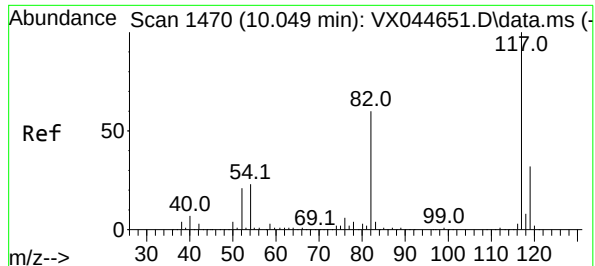
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#62
4-Bromofluorobenzene
Concen: 46.714 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

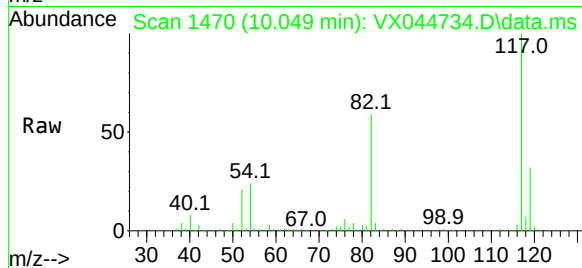
Tgt Ion: 95 Resp: 125660
Ion Ratio Lower Upper
95 100
174 71.5 0.0 133.0
176 68.7 0.0 129.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

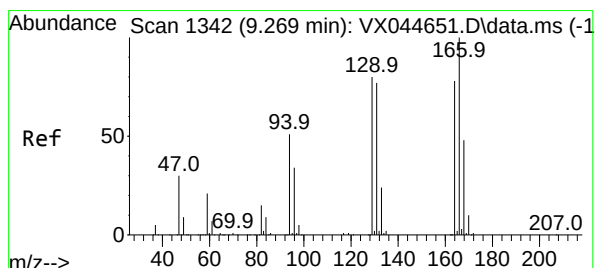
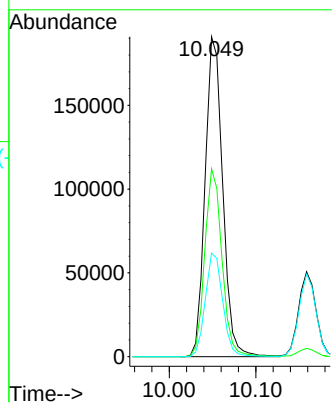
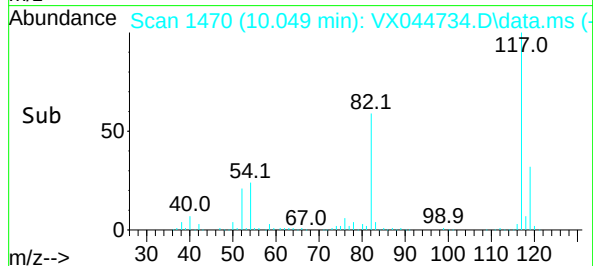
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:117 Resp: 269229
Ion Ratio Lower Upper
117 100
82 58.7 47.6 71.4
119 32.4 25.4 38.2

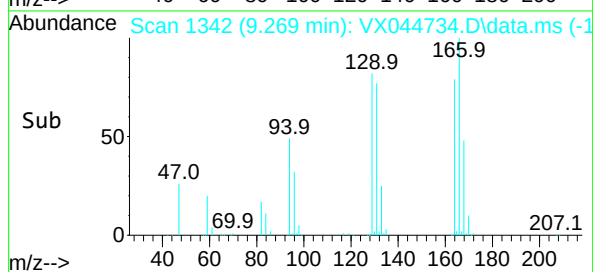
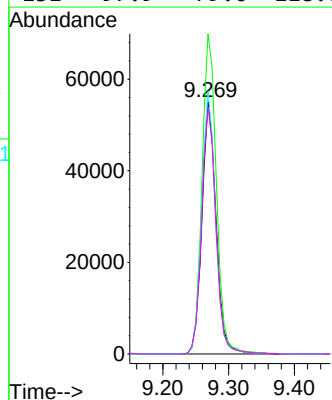
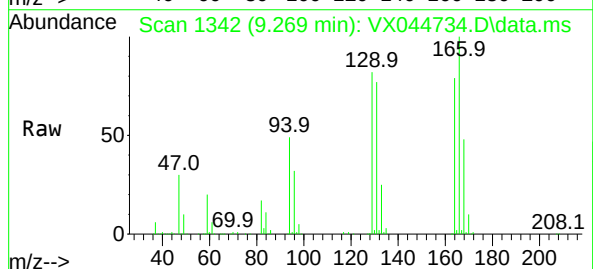
Manual Integrations
APPROVED

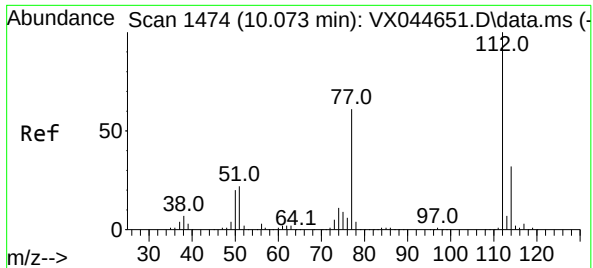
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#64
Tetrachloroethene
Concen: 48.921 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

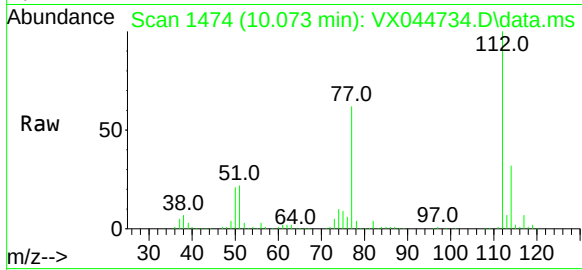
Tgt Ion:164 Resp: 82704
Ion Ratio Lower Upper
164 100
166 126.8 102.0 153.0
129 104.0 81.1 121.7
131 97.9 79.0 118.6





#65
Chlorobenzene
Concen: 49.886 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

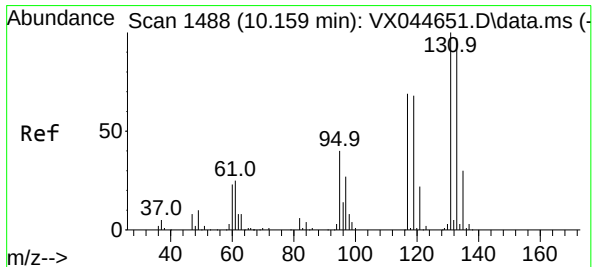
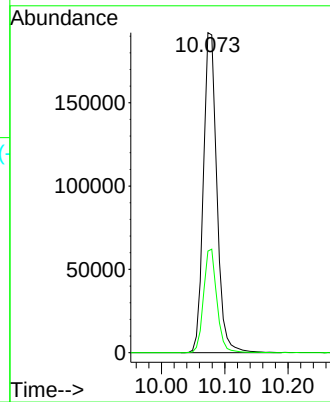
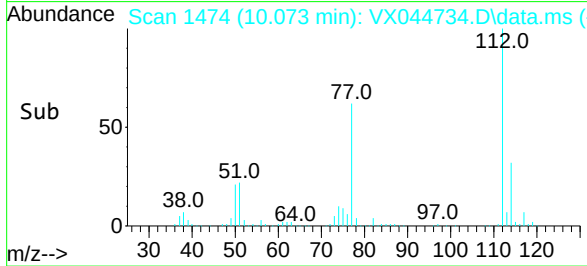
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



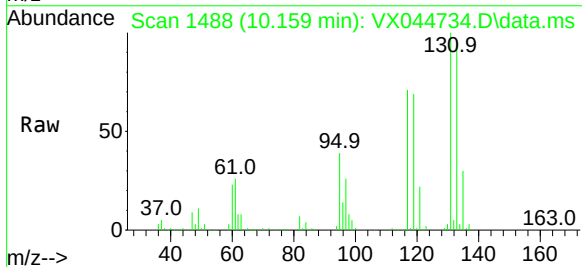
Tgt Ion:112 Resp: 285279
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9

Manual Integrations
APPROVED

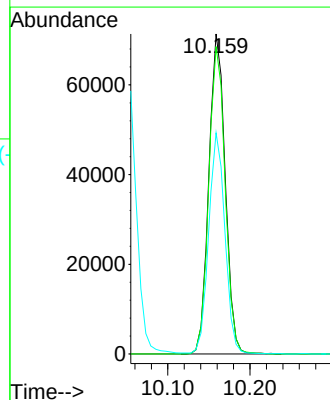
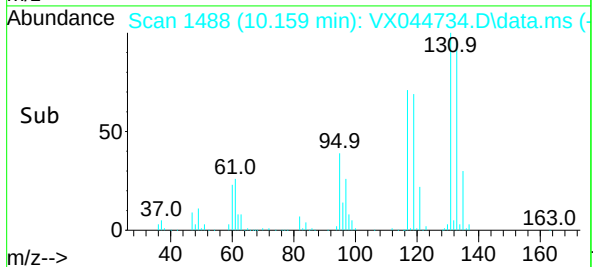
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

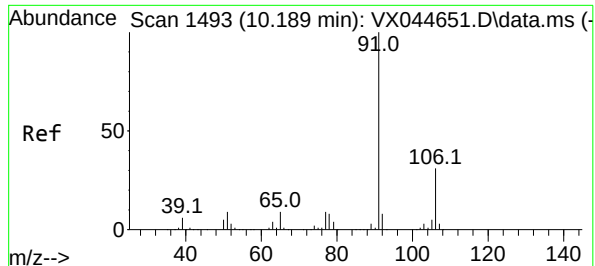


#66
1,1,1,2-Tetrachloroethane
Concen: 47.492 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09



Tgt Ion:131 Resp: 98702
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.3
119 68.7 33.4 100.2





#67

Ethyl Benzene

Concen: 50.924 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044734.D

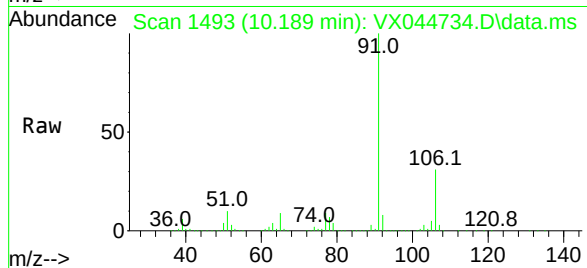
Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 91 Resp: 508128

Ion Ratio Lower Upper

91 100

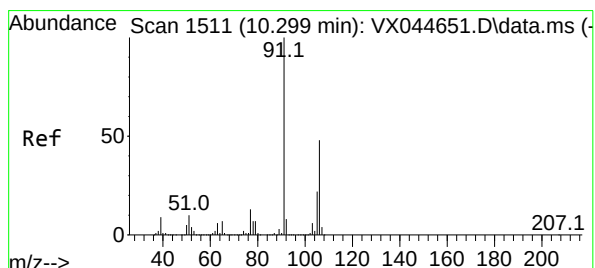
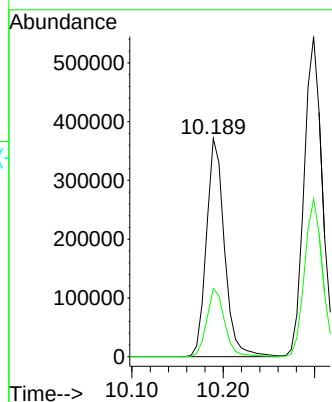
106 31.2 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#68

m/p-Xylenes

Concen: 101.518 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044734.D

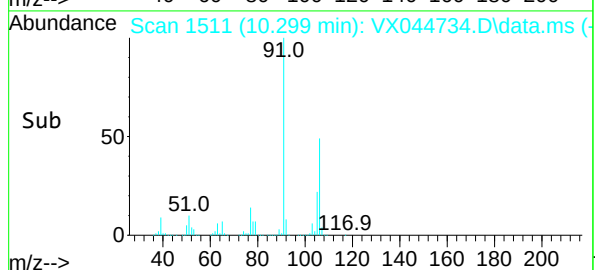
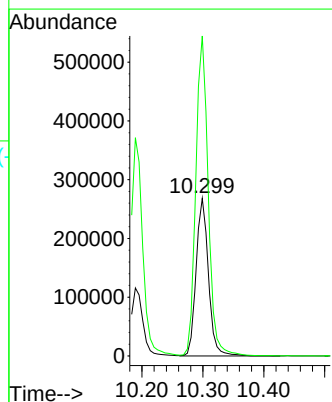
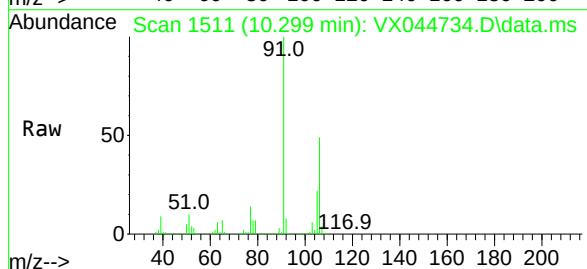
Acq: 27 Jan 2025 19:09

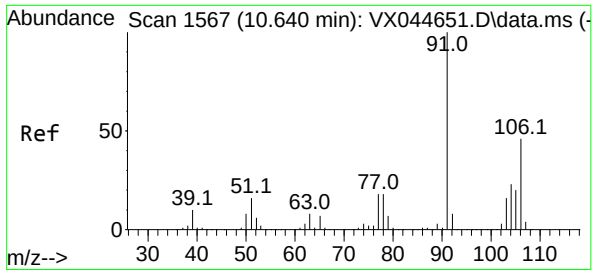
Tgt Ion:106 Resp: 375897

Ion Ratio Lower Upper

106 100

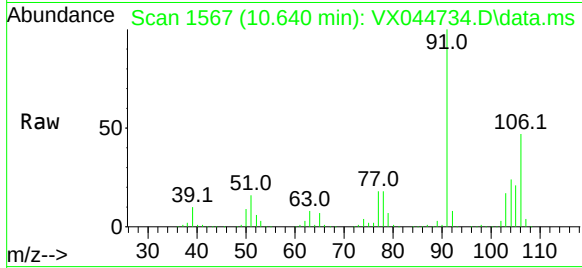
91 204.5 166.4 249.6





#69
o-Xylene
Concen: 49.864 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

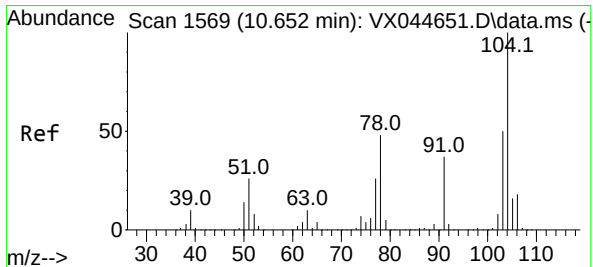
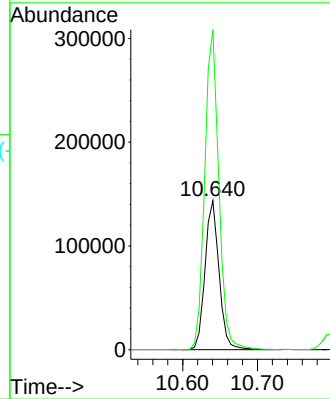
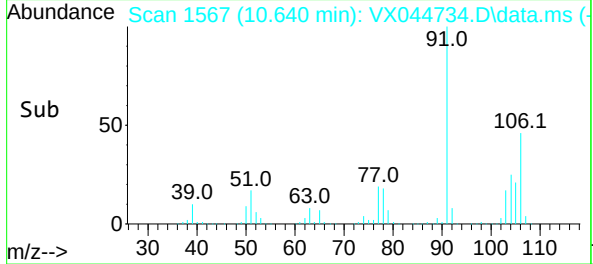
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:106 Resp: 18672
Ion Ratio Lower Upper
106 100
91 216.3 108.7 326.3

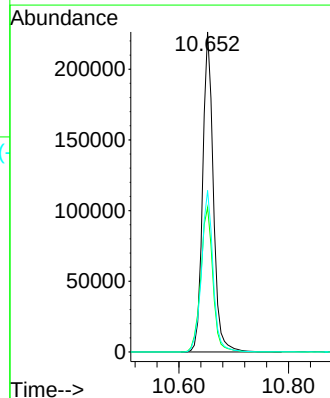
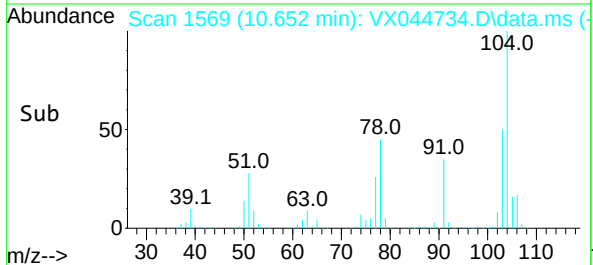
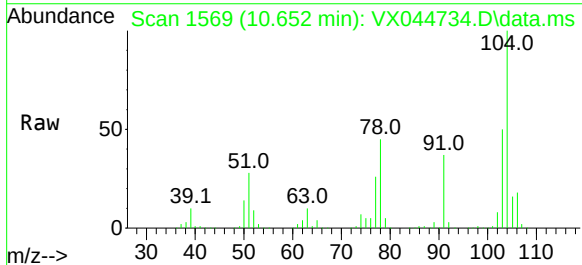
Manual Integrations
APPROVED

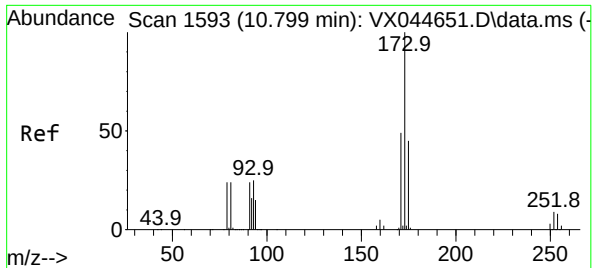
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#70
Styrene
Concen: 50.666 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

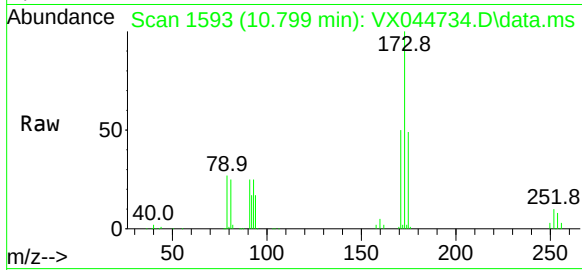
Tgt Ion:104 Resp: 306315
Ion Ratio Lower Upper
104 100
78 51.5 43.0 64.6
103 54.8 43.4 65.2





#71
Bromoform
Concen: 46.525 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

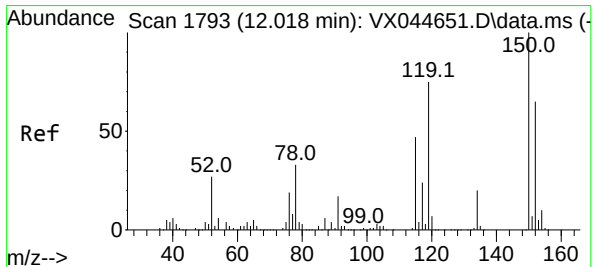
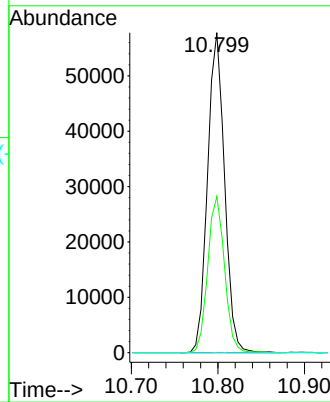
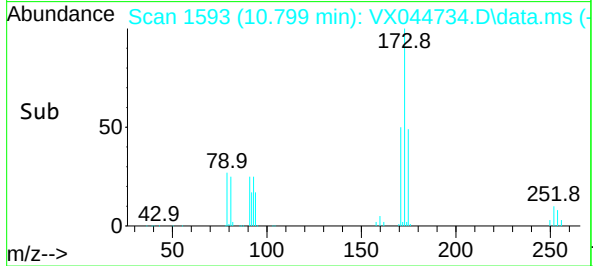
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:173 Resp: 78698
Ion Ratio Lower Upper
173 100
175 48.3 23.6 70.8
254 0.1 0.1 0.1

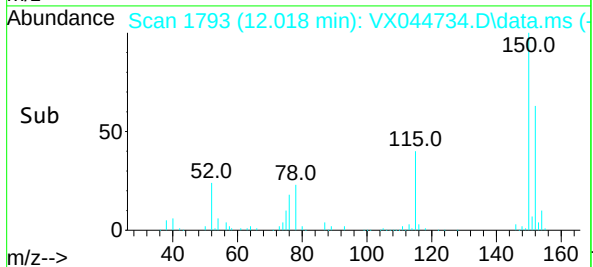
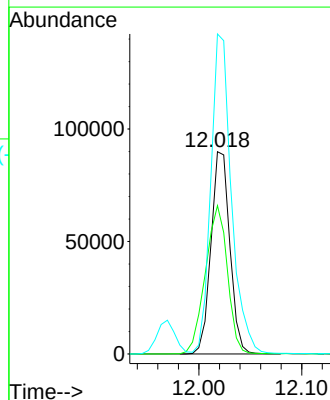
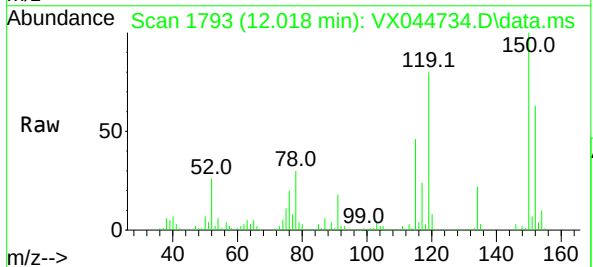
Manual Integrations
APPROVED

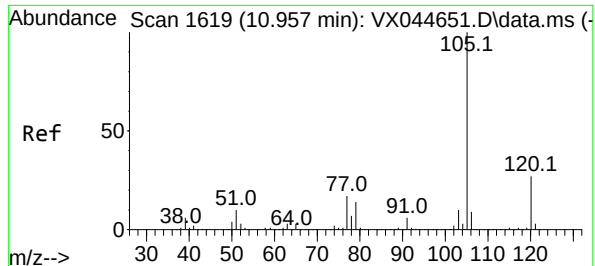
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

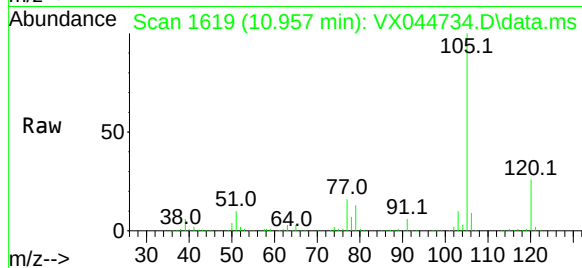
Tgt Ion:152 Resp: 114515
Ion Ratio Lower Upper
152 100
115 85.9 43.8 131.4
150 173.0 0.0 347.8





#73
Isopropylbenzene
Concen: 49.995 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

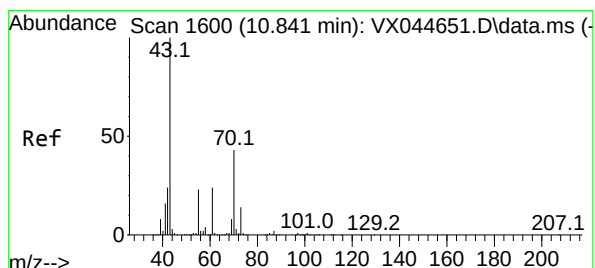
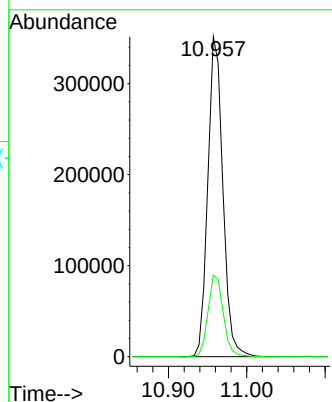
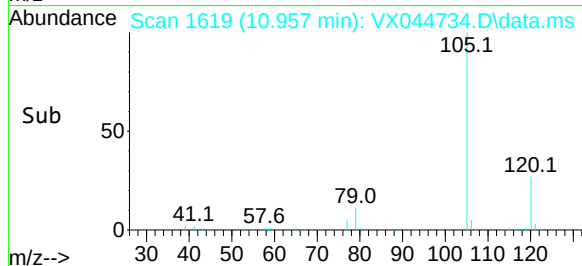
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



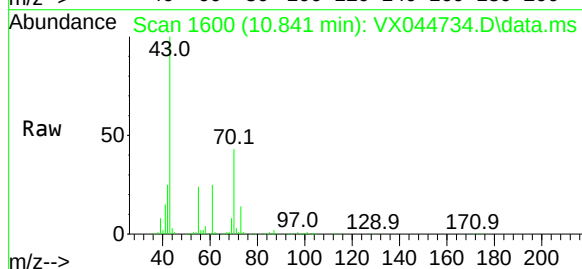
Tgt Ion:105 Resp: 467702
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.6

Manual Integrations
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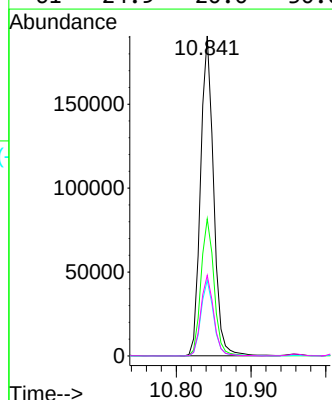
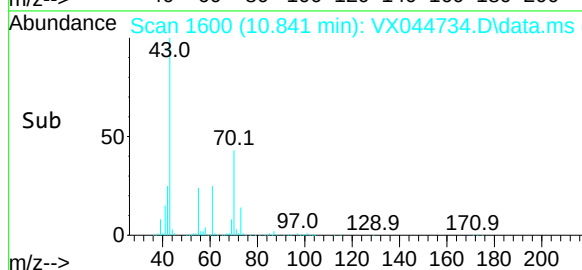
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

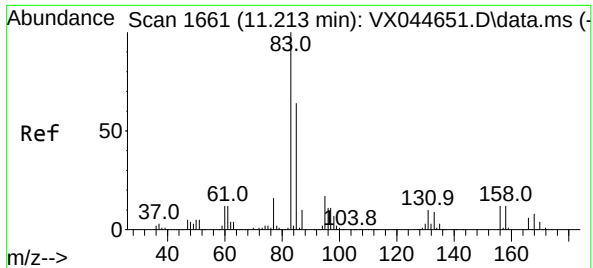


#74
N-ethyl acetate
Concen: 50.050 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09



Tgt Ion: 43 Resp: 230784
Ion Ratio Lower Upper
43 100
70 43.0 35.2 52.8
55 23.3 19.0 28.4
61 24.9 20.0 30.0





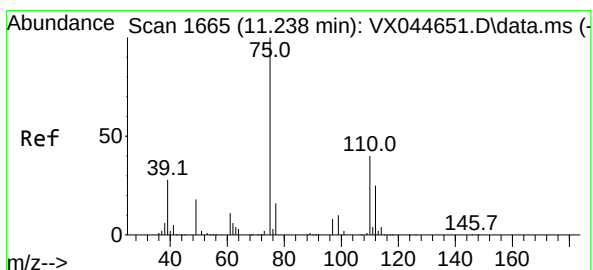
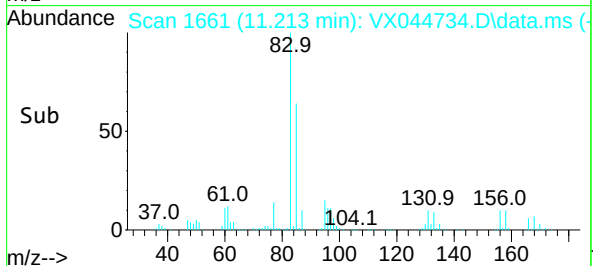
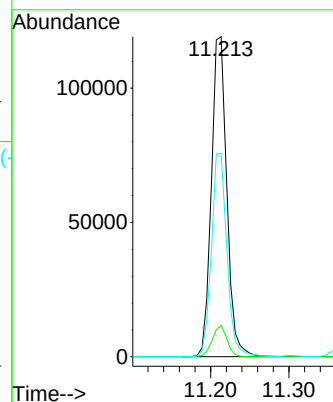
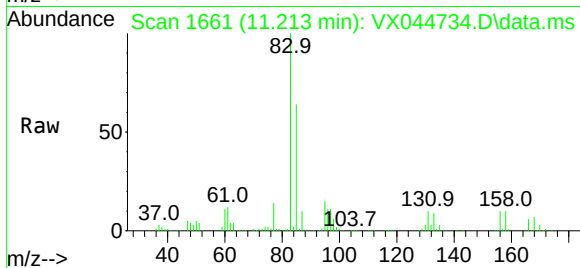
#75
1,1,2,2-Tetrachloroethane
Concen: 50.287 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 162470
Ion Ratio Lower Upper
83 100
131 9.3 5.0 14.9
85 64.0 32.0 96.2

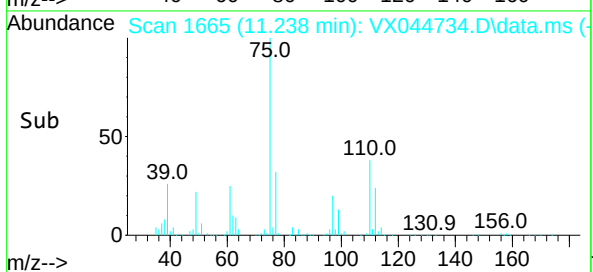
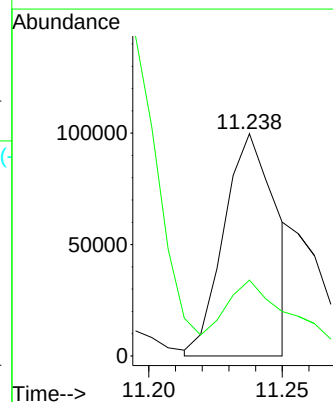
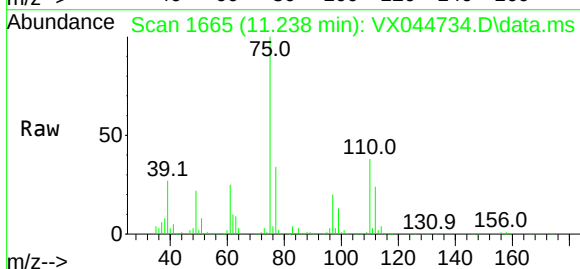
Manual Integrations
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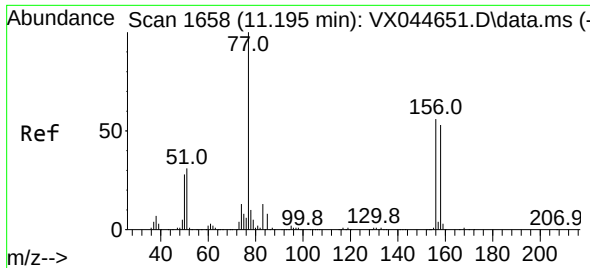
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#76
1,2,3-Trichloropropane
Concen: 48.551 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

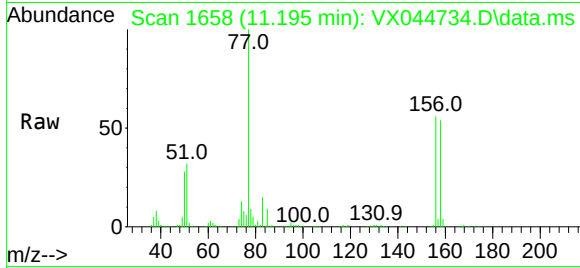
Tgt Ion: 75 Resp: 134928
Ion Ratio Lower Upper
75 100
77 45.0 23.4 70.2





#77
Bromobenzene
Concen: 48.400 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

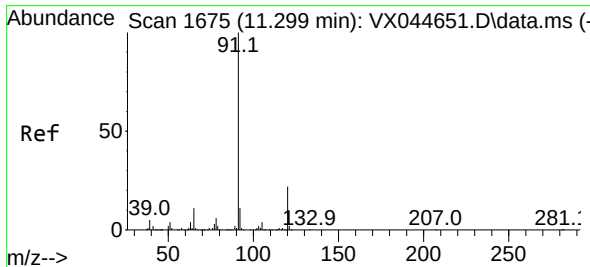
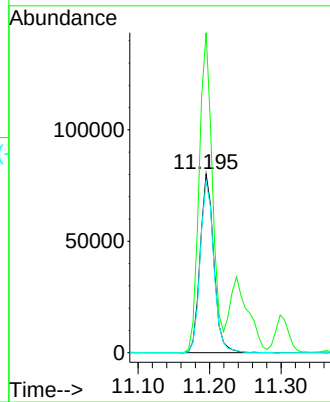
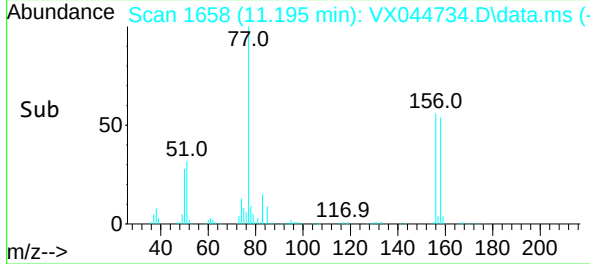
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:156 Resp: 105833
Ion Ratio Lower Upper
156 100
77 174.7 90.3 271.0
158 96.6 48.4 145.3

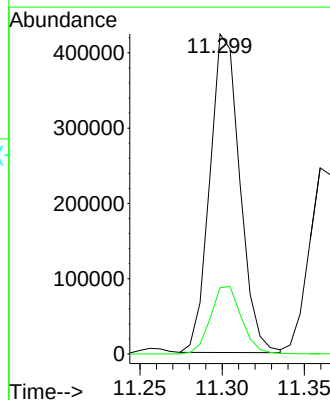
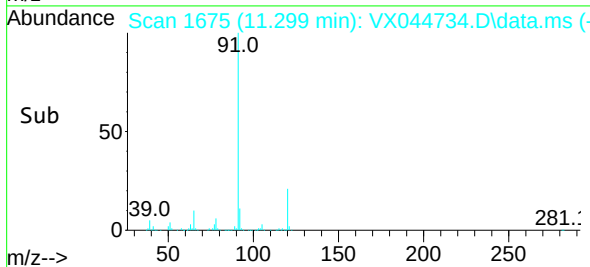
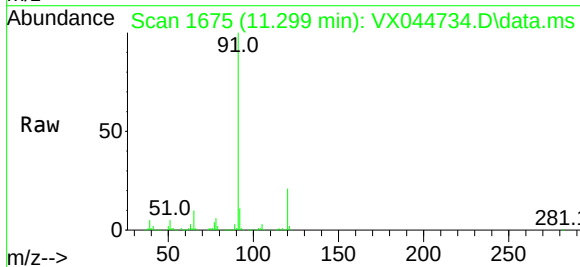
Manual Integrations
APPROVED

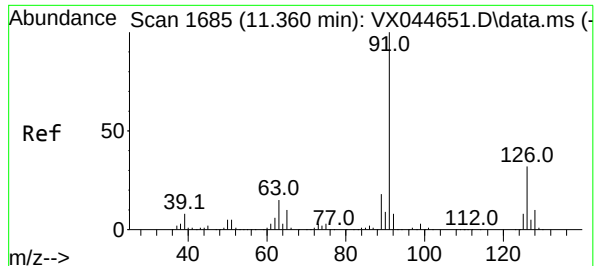
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#78
n-propylbenzene
Concen: 52.120 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 91 Resp: 537719
Ion Ratio Lower Upper
91 100
120 21.9 11.4 34.1





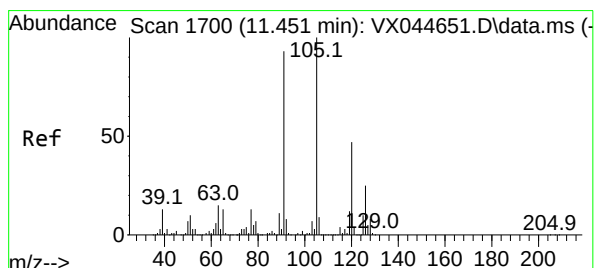
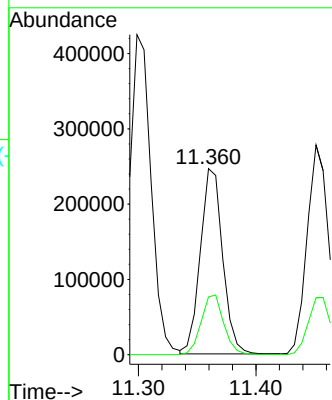
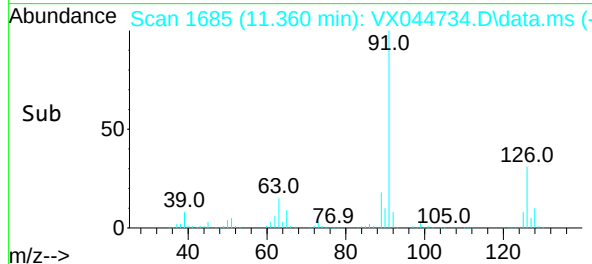
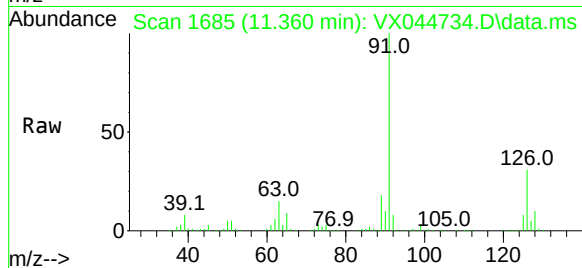
#79
2-Chlorotoluene
Concen: 48.732 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 324772
Ion Ratio Lower Upper
91 100
126 32.7 16.2 48.5

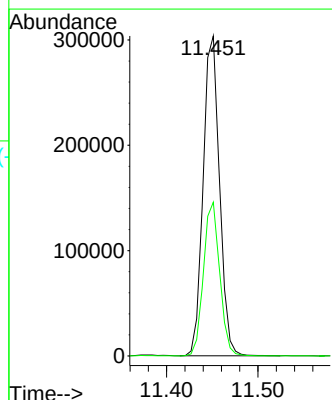
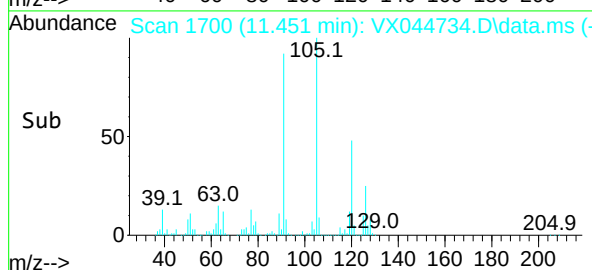
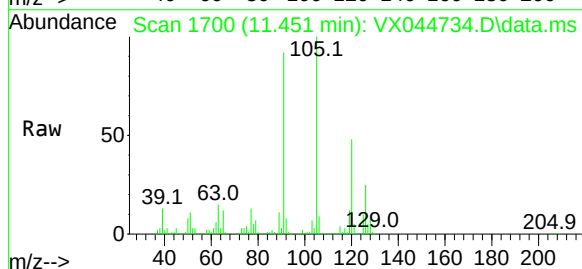
Manual Integrations
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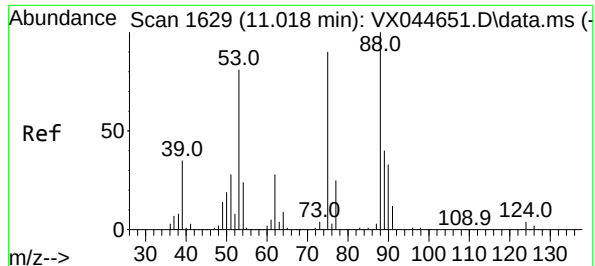
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#80
1,3,5-Trimethylbenzene
Concen: 49.507 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:105 Resp: 377028
Ion Ratio Lower Upper
105 100
120 47.7 23.7 71.1





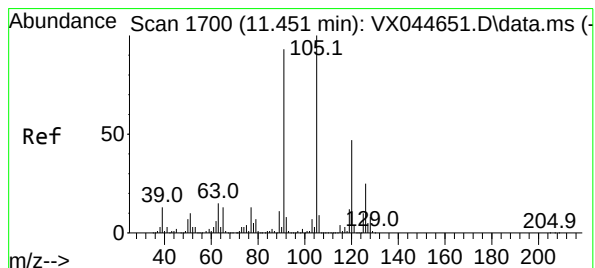
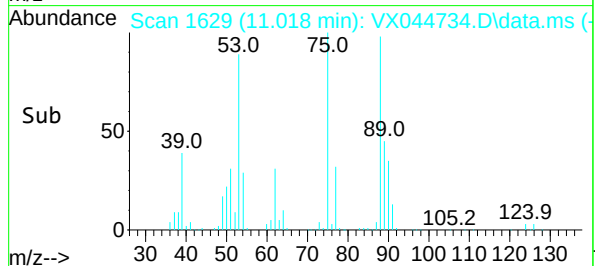
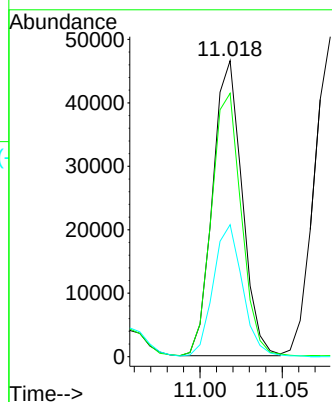
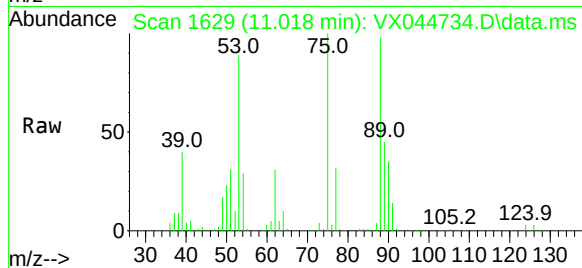
#81
trans-1,4-Dichloro-2-butene
Concen: 47.755 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 58035
Ion Ratio Lower Upper
75 100
53 91.5 74.3 111.5
89 44.6 37.4 56.0

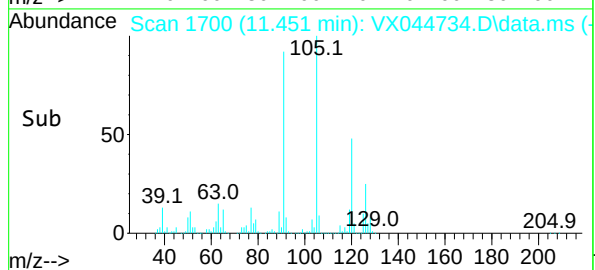
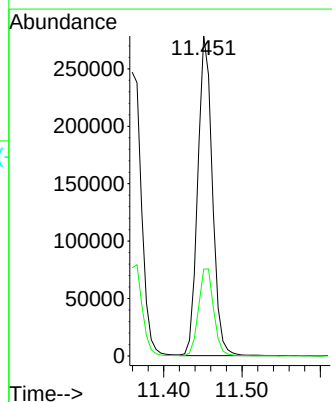
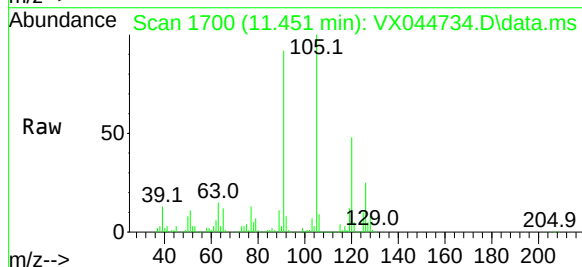
Manual Integrations
APPROVED

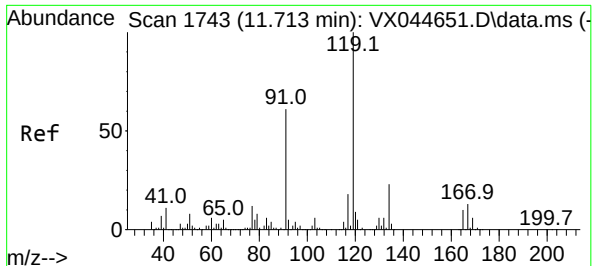
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#82
4-Chlorotoluene
Concen: 49.417 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

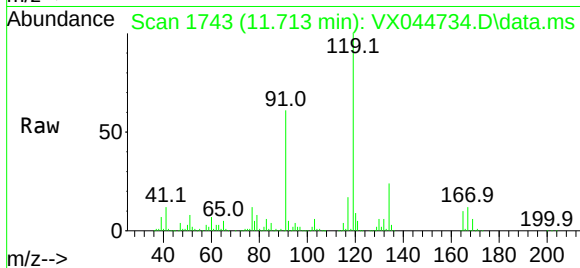
Tgt Ion: 91 Resp: 360773
Ion Ratio Lower Upper
91 100
126 28.4 13.9 41.7





#83
tert-Butylbenzene
Concen: 48.285 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

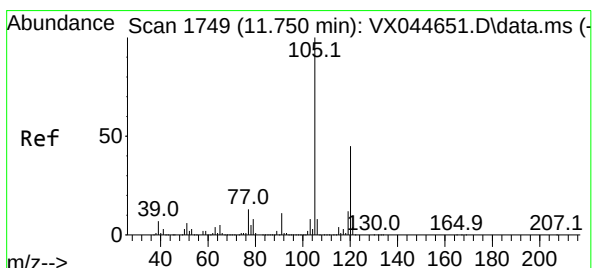
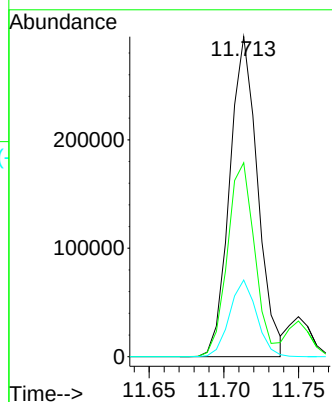
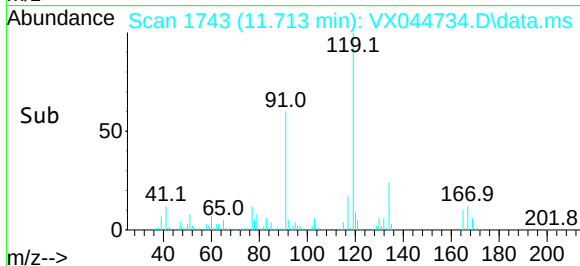
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



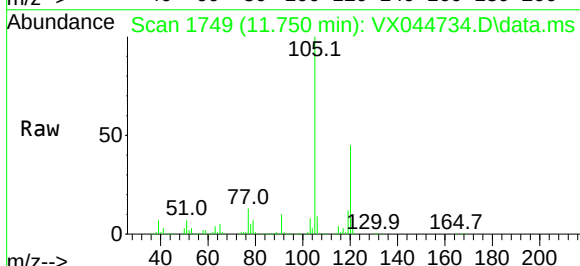
Tgt Ion:119 Resp: 384493
Ion Ratio Lower Upper
119 100
91 59.7 30.0 90.0
134 23.1 11.2 33.5

Manual Integrations
APPROVED

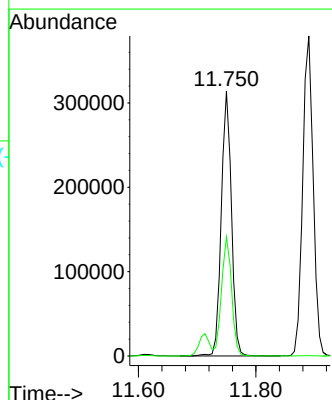
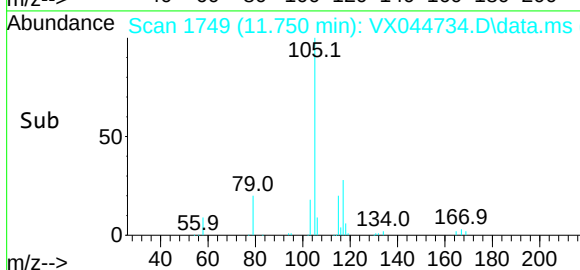
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

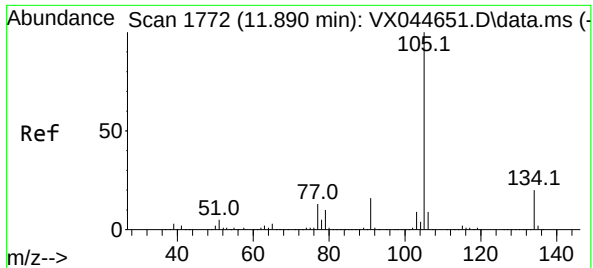


#84
1,2,4-Trimethylbenzene
Concen: 48.458 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09



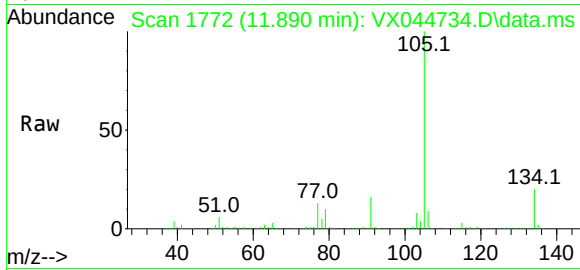
Tgt Ion:105 Resp: 375017
Ion Ratio Lower Upper
105 100
120 44.8 22.2 66.6





#85
sec-Butylbenzene
Concen: 50.498 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

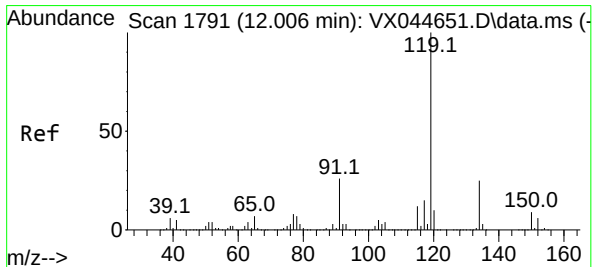
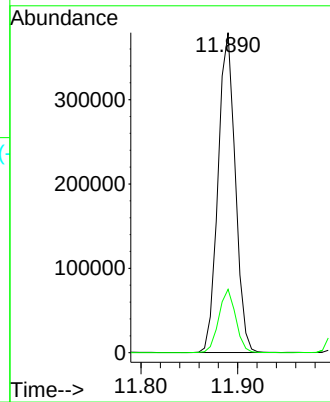
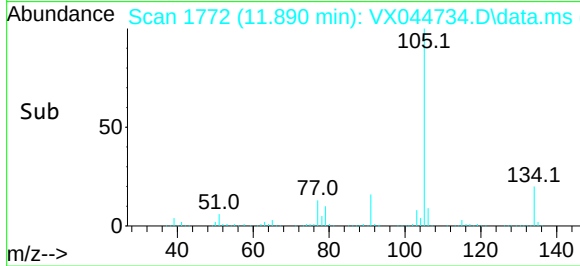
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



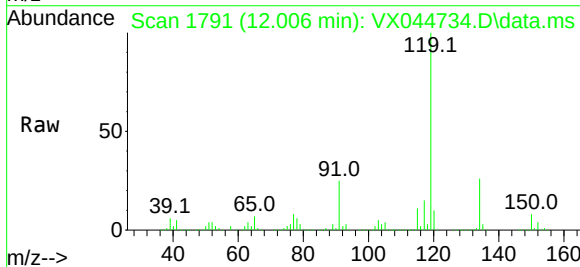
Tgt Ion:105 Resp: 46820
Ion Ratio Lower Upper
105 100
134 19.5 9.8 29.5

Manual Integrations
APPROVED

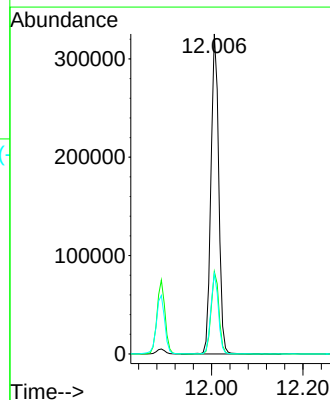
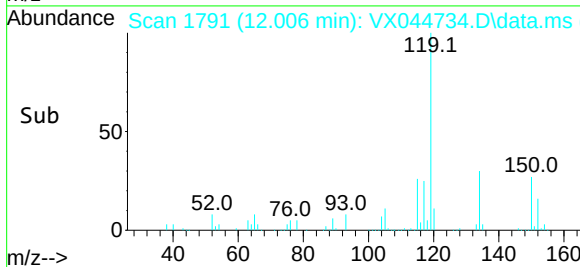
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

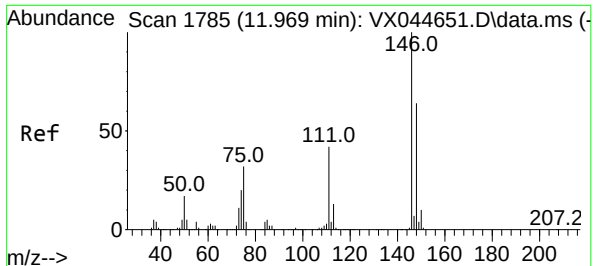


#86
p-Isopropyltoluene
Concen: 50.439 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09



Tgt Ion:119 Resp: 384326
Ion Ratio Lower Upper
119 100
134 25.7 12.8 38.4
91 24.3 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 50.565 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

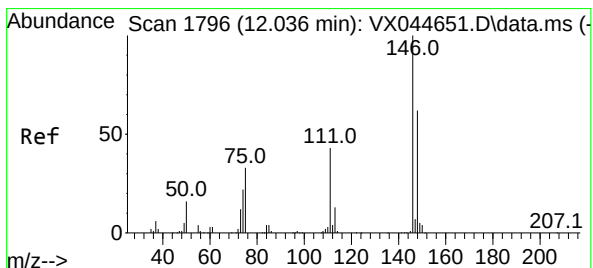
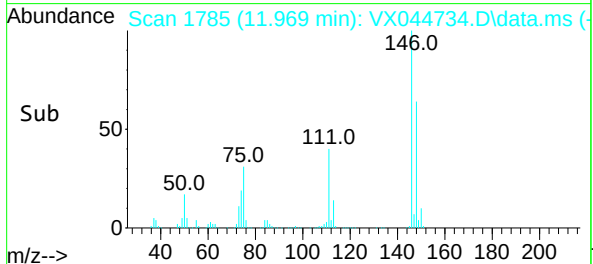
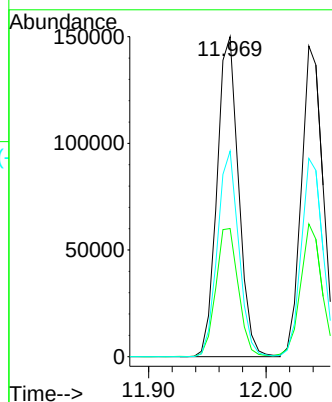
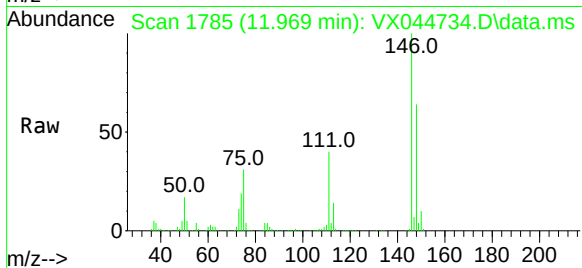
Tgt Ion:146	Resp:	19174
Ion Ratio	Lower	Upper
146	100	
111	41.8	21.9 65.7
148	63.5	31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#88

1,4-Dichlorobenzene

Concen: 48.716 ug/l

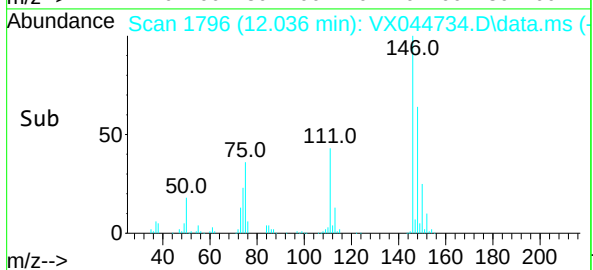
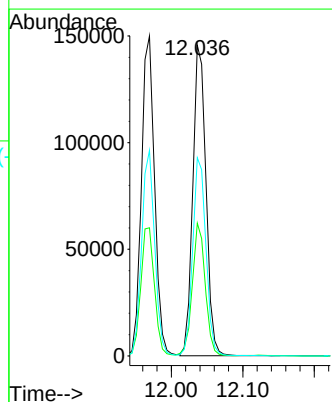
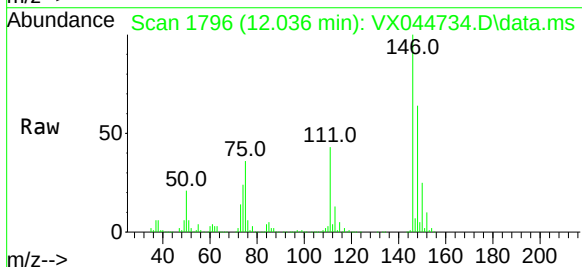
RT: 12.036 min Scan# 1796

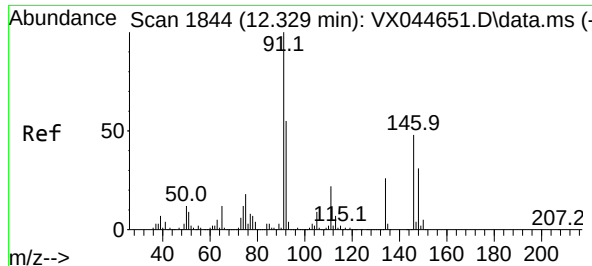
Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Tgt Ion:146	Resp:	186749
Ion Ratio	Lower	Upper
146	100	
111	41.7	21.5 64.5
148	63.7	32.1 96.5





#89

n-Butylbenzene

Concen: 51.507 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 337088

Ion Ratio Lower Upper

91 100

92 54.9 27.4 82.0

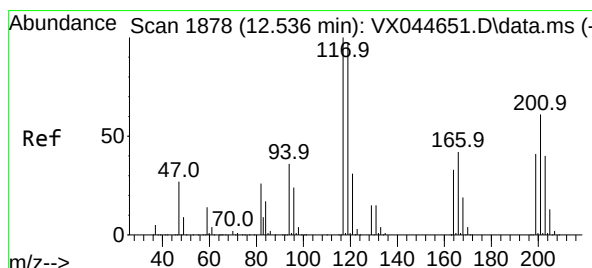
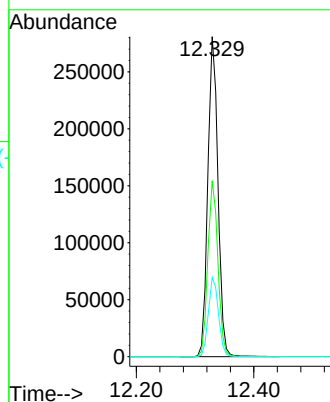
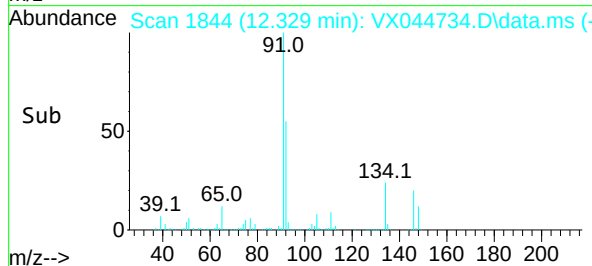
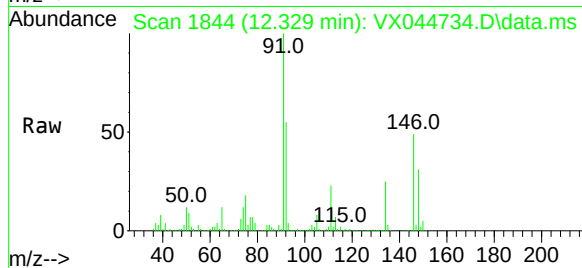
134 24.8 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#90

Hexachloroethane

Concen: 47.079 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044734.D

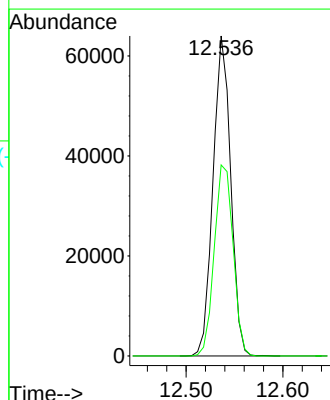
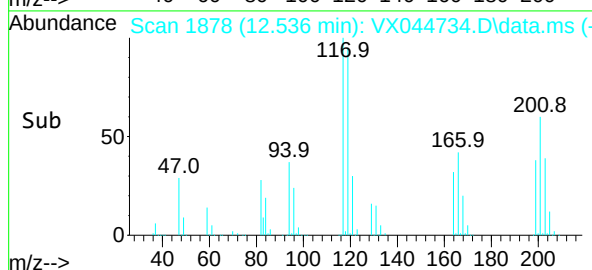
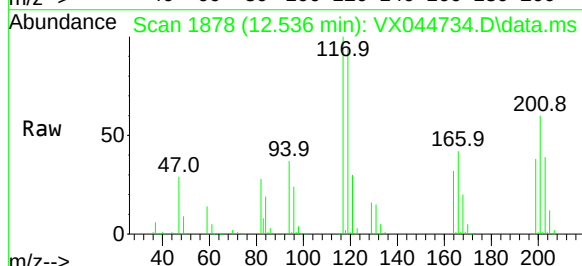
Acq: 27 Jan 2025 19:09

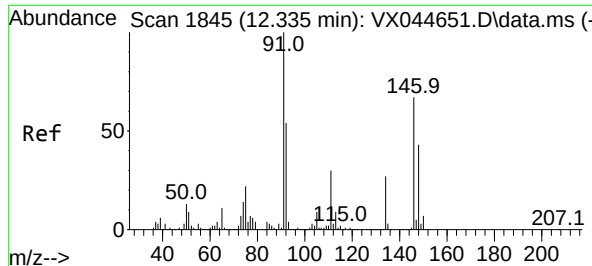
Tgt Ion:117 Resp: 81232

Ion Ratio Lower Upper

117 100

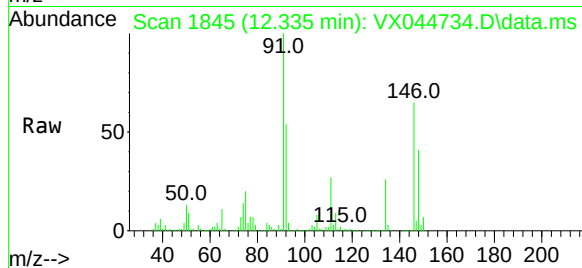
201 63.6 32.3 96.8





#91
1,2-Dichlorobenzene
Concen: 49.238 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

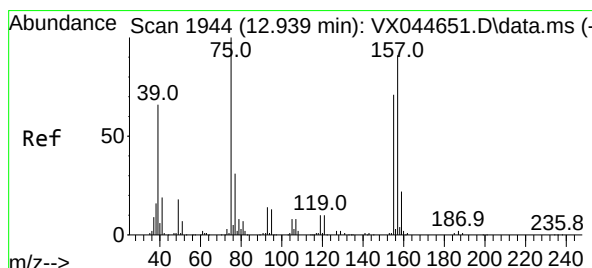
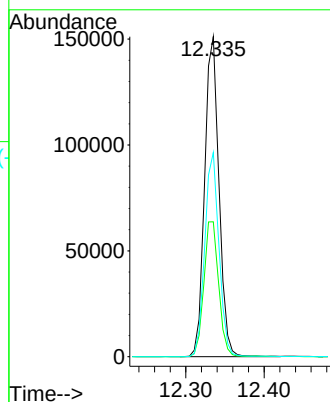
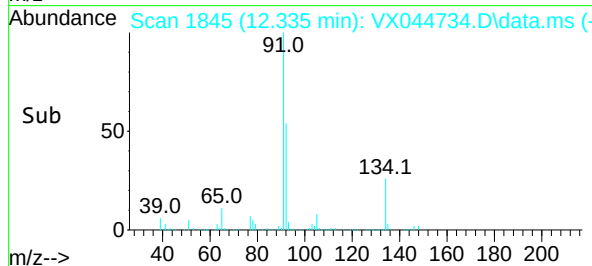
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:146 Resp: 19175
Ion Ratio Lower Upper
146 100
111 43.8 22.4 67.2
148 63.4 31.6 94.8

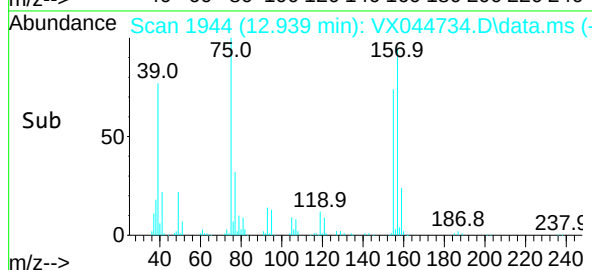
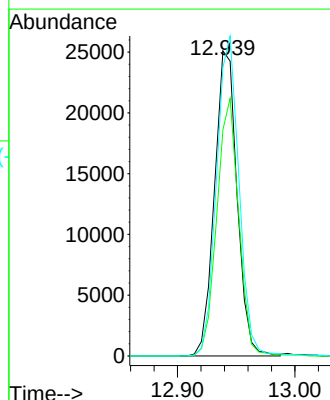
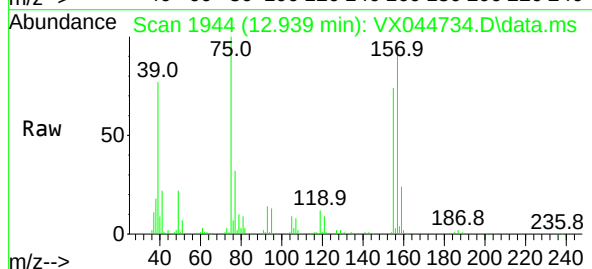
Manual Integrations
APPROVED

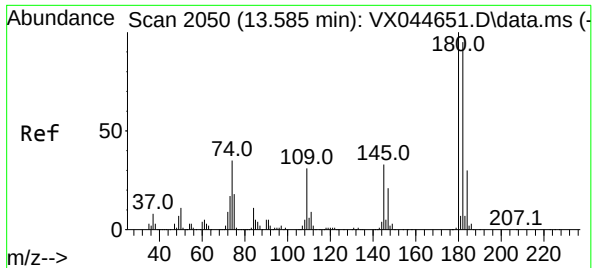
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 42.388 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

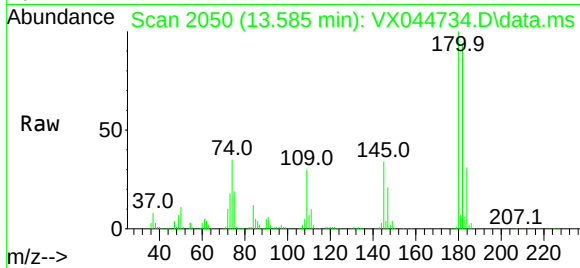
Tgt Ion: 75 Resp: 33494
Ion Ratio Lower Upper
75 100
155 81.8 39.0 116.9
157 104.4 49.9 149.7





#93
1,2,4-Trichlorobenzene
Concen: 49.887 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

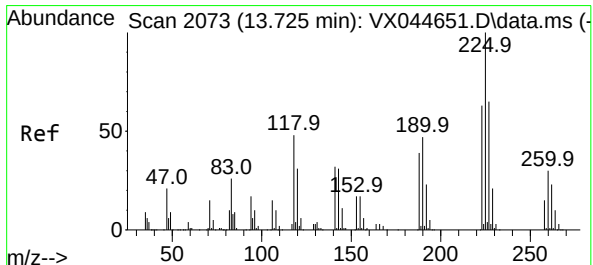
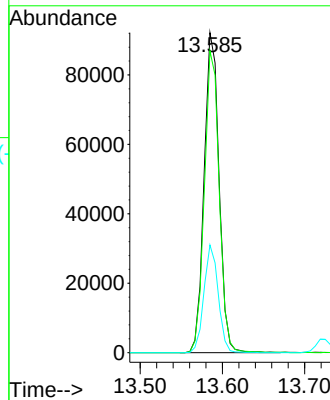
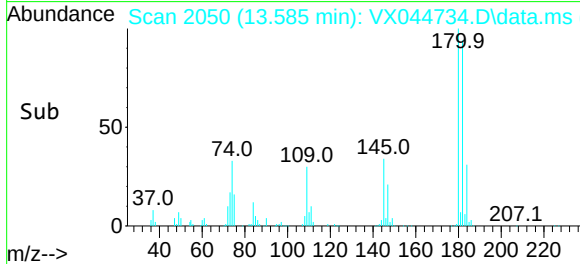
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:180 Resp: 11614
Ion Ratio Lower Upper
180 100
182 93.9 47.4 142.2
145 32.3 16.7 50.1

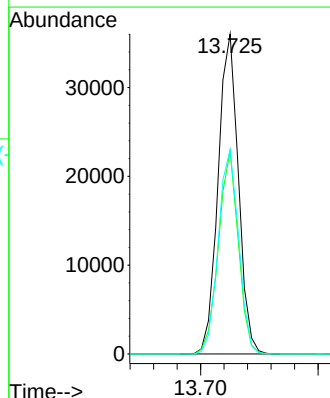
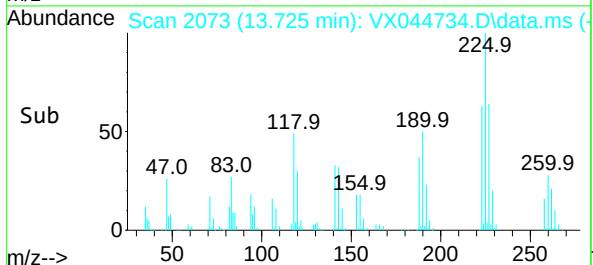
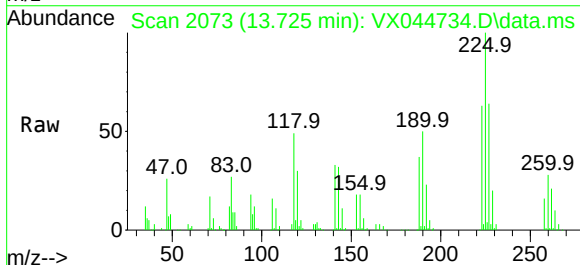
Manual Integrations
APPROVED

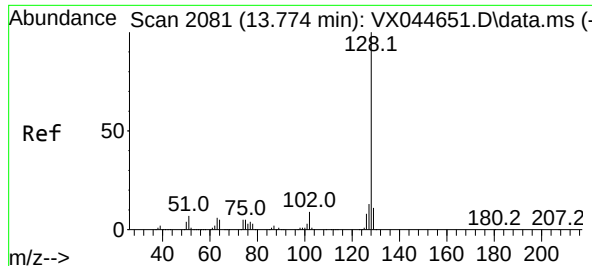
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#94
Hexachlorobutadiene
Concen: 47.259 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

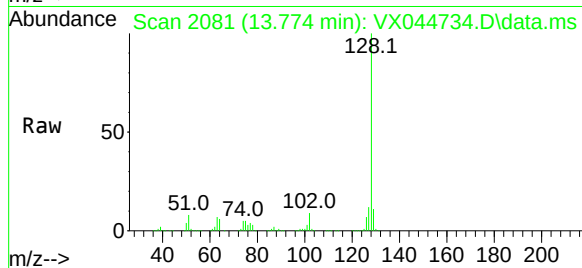
Tgt Ion:225 Resp: 43217
Ion Ratio Lower Upper
225 100
223 62.0 31.9 95.7
227 64.2 31.8 95.4





#95
Naphthalene
Concen: 49.711 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

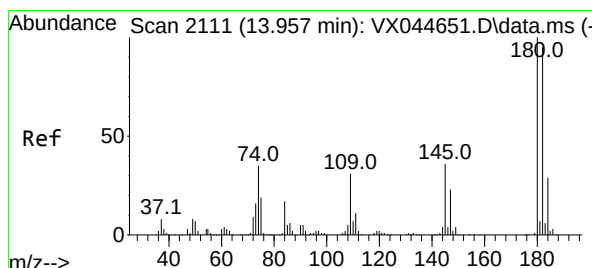
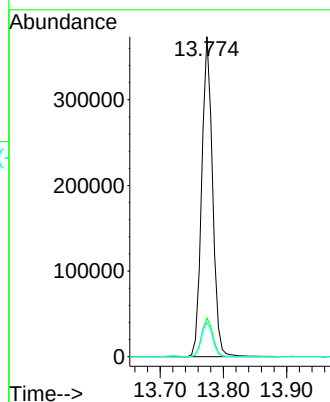
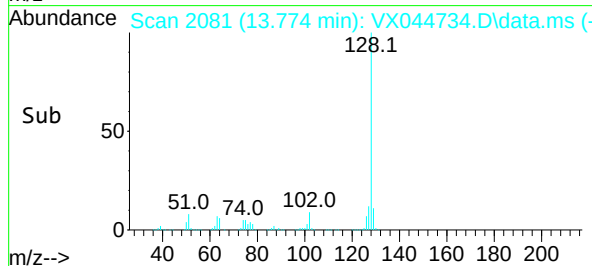
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:128 Resp: 44636
Ion Ratio Lower Upper
128 100
127 12.4 10.3 15.5
129 11.0 8.7 13.1

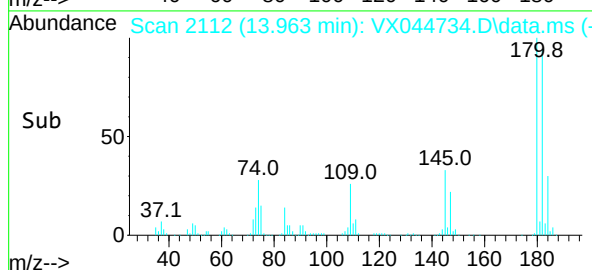
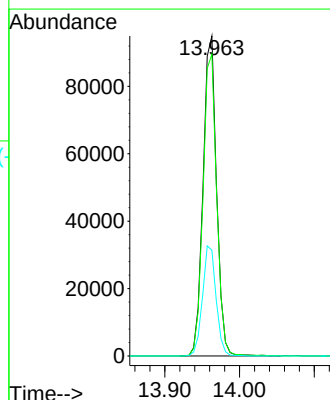
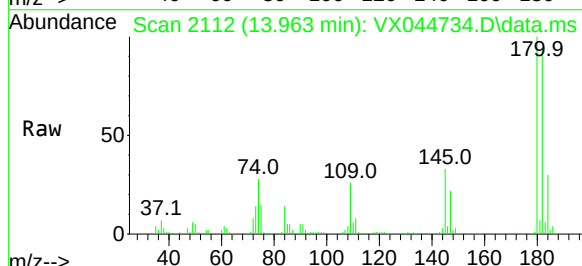
Manual Integrations
APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.232 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:180 Resp: 118806
Ion Ratio Lower Upper
180 100
182 95.7 47.2 141.6
145 34.7 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044734.D
 Acq On : 27 Jan 2025 19:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jan 28 04:17:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 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	91	0.00
2 T	Dichlorodifluoromethane	0.673	0.646	4.0	86	0.00
3 P	Chloromethane	0.728	0.744	-2.2	95	0.00
4 C	Vinyl Chloride	0.719	0.766	-6.5#	99	0.00
5 T	Bromomethane	0.172	0.186	-8.1	99	0.00
6 T	Chloroethane	0.132	0.181	-37.1#	140	0.00
7 T	Trichlorofluoromethane	0.795	0.925	-16.4	109	0.00
8 T	Diethyl Ether	0.321	0.335	-4.4	104	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.597	0.628	-5.2	103	0.00
10 T	Methyl Iodide	0.815	0.845	-3.7	95	0.00
11 T	Tert butyl alcohol	0.168	0.155	7.7	93	0.00
12 CM	1,1-Dichloroethene	0.585	0.647	-10.6#	103	0.00
13 T	Acrolein	0.079	0.104	-31.6#	139	0.00
14 T	Allyl chloride	1.140	1.160	-1.8	100	0.00
15 T	Acrylonitrile	0.330	0.368	-11.5	107	0.00
16 T	Acetone	0.299	0.300	-0.3	102	0.00
17 T	Carbon Disulfide	1.597	1.710	-7.1	100	0.00
18 T	Methyl Acetate	0.921	1.076	-16.8	111	0.00
19 T	Methyl tert-butyl Ether	2.121	2.147	-1.2	96	0.00
20 T	Methylene Chloride	0.695	0.714	-2.7	99	0.00
21 T	trans-1,2-Dichloroethene	0.611	0.636	-4.1	101	0.00
22 T	Diisopropyl ether	1.981	2.204	-11.3	105	0.00
23 T	Vinyl Acetate	1.734	1.858	-7.2	102	0.00
24 P	1,1-Dichloroethane	1.175	1.255	-6.8	101	0.00
25 T	2-Butanone	0.444	0.489	-10.1	104	0.00
26 T	2,2-Dichloropropane	1.139	0.963	15.5	83	0.00
27 T	cis-1,2-Dichloroethene	0.769	0.784	-2.0	99	0.00
28 T	Bromochloromethane	0.549	0.597	-8.7	102	0.00
29 T	Tetrahydrofuran	0.286	0.321	-12.2	108	0.00
30 C	Chloroform	1.186	1.201	-1.3#	95	0.00
31 T	Cyclohexane	0.950	1.074	-13.1	104	0.00
32 T	1,1,1-Trichloroethane	1.090	1.028	5.7	93	0.00
33 S	1,2-Dichloroethane-d4	0.755	0.712	5.7	87	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35 S	Dibromofluoromethane	0.318	0.320	-0.6	93	0.00
36 T	1,1-Dichloropropene	0.442	0.439	0.7	100	0.00
37 T	Ethyl Acetate	0.471	0.516	-9.6	103	0.00
38 T	Carbon Tetrachloride	0.497	0.462	7.0	93	0.00
39 T	Methylcyclohexane	0.587	0.588	-0.2	99	0.00
40 TM	Benzene	1.370	1.426	-4.1	101	0.00
41 T	Methacrylonitrile	0.274	0.286	-4.4	104	0.00
42 TM	1,2-Dichloroethane	0.500	0.460	8.0	89	0.00
43 T	Isopropyl Acetate	0.866	0.860	0.7	98	0.00
44 TM	Trichloroethene	0.329	0.329	0.0	97	0.00
45 C	1,2-Dichloropropane	0.345	0.360	-4.3#	101	0.00
46 T	Dibromomethane	0.263	0.252	4.2	95	0.00
47 T	Bromodichloromethane	0.538	0.505	6.1	92	0.00
48 T	Methyl methacrylate	0.402	0.410	-2.0	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044734.D
 Acq On : 27 Jan 2025 19:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jan 28 04:17:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 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	0.008	0.008	0.0	94	0.00
50 S	Toluene-d8	1.108	1.148	-3.6	96	0.00
51 T	4-Methyl-2-Pentanone	0.479	0.494	-3.1	102	0.00
52 CM	Toluene	0.839	0.847	-1.0#	97	0.00
53 T	t-1,3-Dichloropropene	0.556	0.518	6.8	88	0.00
54 T	cis-1,3-Dichloropropene	0.603	0.575	4.6	93	0.00
55 T	1,1,2-Trichloroethane	0.339	0.332	2.1	96	0.00
56 T	Ethyl methacrylate	0.583	0.569	2.4	93	0.00
57 T	1,3-Dichloropropane	0.578	0.568	1.7	95	0.00
58 T	2-Chloroethyl Vinyl ether	0.286	0.257	10.1	87	0.00
59 T	2-Hexanone	0.352	0.362	-2.8	102	0.00
60 T	Dibromochloromethane	0.398	0.369	7.3	90	0.00
61 T	1,2-Dibromoethane	0.356	0.339	4.8	93	0.00
62 S	4-Bromofluorobenzene	0.413	0.386	6.5	85	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
64 T	Tetrachloroethene	0.314	0.307	2.2	93	0.00
65 PM	Chlorobenzene	1.062	1.060	0.2	94	0.00
66 T	1,1,1,2-Tetrachloroethane	0.386	0.367	4.9	89	0.00
67 C	Ethyl Benzene	1.853	1.887	-1.8#	95	0.00
68 T	m/p-Xylenes	0.688	0.698	-1.5	95	0.00
69 T	o-Xylene	0.695	0.694	0.1	93	0.00
70 T	Styrene	1.123	1.138	-1.3	93	0.00
71 P	Bromoform	0.314	0.292	7.0	87	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
73 T	Isopropylbenzene	4.085	4.084	0.0	93	0.00
74 T	N-amyl acetate	2.013	2.015	-0.1	95	0.00
75 P	1,1,2,2-Tetrachloroethane	1.411	1.419	-0.6	98	0.00
76 T	1,2,3-Trichloropropane	1.213	1.178	2.9	96	0.00
77 T	Bromobenzene	0.955	0.924	3.2	92	0.00
78 T	n-propylbenzene	4.505	4.696	-4.2	96	0.00
79 T	2-Chlorotoluene	2.910	2.836	2.5	92	0.00
80 T	1,3,5-Trimethylbenzene	3.325	3.292	1.0	93	0.00
81 T	trans-1,4-Dichloro-2-butene	0.531	0.507	4.5	89	0.00
82 T	4-Chlorotoluene	3.188	3.150	1.2	92	0.00
83 T	tert-Butylbenzene	3.477	3.358	3.4	91	0.00
84 T	1,2,4-Trimethylbenzene	3.379	3.275	3.1	91	0.00
85 T	sec-Butylbenzene	4.048	4.089	-1.0	94	0.00
86 T	p-Isopropyltoluene	3.327	3.356	-0.9	93	0.00
87 T	1,3-Dichlorobenzene	1.656	1.674	-1.1	93	0.00
88 T	1,4-Dichlorobenzene	1.674	1.631	2.6	93	0.00
89 T	n-Butylbenzene	2.857	2.944	-3.0	94	0.00
90 T	Hexachloroethane	0.753	0.709	5.8	92	0.00
91 T	1,2-Dichlorobenzene	1.700	1.674	1.5	92	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.345	0.292	15.4	84	0.00
93 T	1,2,4-Trichlorobenzene	1.016	1.014	0.2	88	0.00
94 T	Hexachlorobutadiene	0.399	0.377	5.5	86	0.00
95 T	Naphthalene	3.920	3.898	0.6	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 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	1.054	1.037	1.6	88	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044734.D
 Acq On : 27 Jan 2025 19:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jan 28 04:17:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 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	91	0.00
2 T	Dichlorodifluoromethane	50.000	48.005	4.0	86	0.00
3 P	Chloromethane	50.000	51.146	-2.3	95	0.00
4 C	Vinyl Chloride	50.000	53.282	-6.6#	99	0.00
5 T	Bromomethane	50.000	54.267	-8.5	99	0.00
6 T	Chloroethane	50.000	68.728	-37.5#	140	0.00
7 T	Trichlorofluoromethane	50.000	58.228	-16.5	109	0.00
8 T	Diethyl Ether	50.000	52.188	-4.4	104	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	52.594	-5.2	103	0.00
10 T	Methyl Iodide	50.000	51.790	-3.6	95	0.00
11 T	Tert butyl alcohol	250.000	229.927	8.0	93	0.00
12 CM	1,1-Dichloroethene	50.000	55.215	-10.4#	103	0.00
13 T	Acrolein	250.000	329.074	-31.6#	139	0.00
14 T	Allyl chloride	50.000	50.867	-1.7	100	0.00
15 T	Acrylonitrile	250.000	279.107	-11.6	107	0.00
16 T	Acetone	250.000	251.283	-0.5	102	0.00
17 T	Carbon Disulfide	50.000	53.527	-7.1	100	0.00
18 T	Methyl Acetate	50.000	58.407	-16.8	111	0.00
19 T	Methyl tert-butyl Ether	50.000	50.627	-1.3	96	0.00
20 T	Methylene Chloride	50.000	51.328	-2.7	99	0.00
21 T	trans-1,2-Dichloroethene	50.000	52.052	-4.1	101	0.00
22 T	Diisopropyl ether	50.000	55.621	-11.2	105	0.00
23 T	Vinyl Acetate	250.000	267.851	-7.1	102	0.00
24 P	1,1-Dichloroethane	50.000	53.411	-6.8	101	0.00
25 T	2-Butanone	250.000	275.626	-10.3	104	0.00
26 T	2,2-Dichloropropane	50.000	42.282	15.4	83	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.998	-2.0	99	0.00
28 T	Bromochloromethane	50.000	54.405	-8.8	102	0.00
29 T	Tetrahydrofuran	250.000	279.917	-12.0	108	0.00
30 C	Chloroform	50.000	50.629	-1.3#	95	0.00
31 T	Cyclohexane	50.000	56.510	-13.0	104	0.00
32 T	1,1,1-Trichloroethane	50.000	47.142	5.7	93	0.00
33 S	1,2-Dichloroethane-d4	50.000	47.199	5.6	87	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35 S	Dibromofluoromethane	50.000	50.447	-0.9	93	0.00
36 T	1,1-Dichloropropene	50.000	49.591	0.8	100	0.00
37 T	Ethyl Acetate	50.000	54.798	-9.6	103	0.00
38 T	Carbon Tetrachloride	50.000	46.468	7.1	93	0.00
39 T	Methylcyclohexane	50.000	50.118	-0.2	99	0.00
40 TM	Benzene	50.000	52.035	-4.1	101	0.00
41 T	Methacrylonitrile	50.000	52.088	-4.2	104	0.00
42 TM	1,2-Dichloroethane	50.000	46.037	7.9	89	0.00
43 T	Isopropyl Acetate	50.000	49.636	0.7	98	0.00
44 TM	Trichloroethene	50.000	49.981	0.0	97	0.00
45 C	1,2-Dichloropropane	50.000	52.217	-4.4#	101	0.00
46 T	Dibromomethane	50.000	47.970	4.1	95	0.00
47 T	Bromodichloromethane	50.000	46.892	6.2	92	0.00
48 T	Methyl methacrylate	50.000	51.021	-2.0	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044734.D
 Acq On : 27 Jan 2025 19:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jan 28 04:17:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 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	958.191	4.2	94	0.00
50 S	Toluene-d8	50.000	51.838	-3.7	96	0.00
51 T	4-Methyl-2-Pentanone	250.000	258.036	-3.2	102	0.00
52 CM	Toluene	50.000	50.481	-1.0#	97	0.00
53 T	t-1,3-Dichloropropene	50.000	46.558	6.9	88	0.00
54 T	cis-1,3-Dichloropropene	50.000	47.685	4.6	93	0.00
55 T	1,1,2-Trichloroethane	50.000	48.870	2.3	96	0.00
56 T	Ethyl methacrylate	50.000	48.786	2.4	93	0.00
57 T	1,3-Dichloropropane	50.000	49.168	1.7	95	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	223.982	10.4	87	0.00
59 T	2-Hexanone	250.000	256.939	-2.8	102	0.00
60 T	Dibromochloromethane	50.000	46.299	7.4	90	0.00
61 T	1,2-Dibromoethane	50.000	47.644	4.7	93	0.00
62 S	4-Bromofluorobenzene	50.000	46.714	6.6	85	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	89	0.00
64 T	Tetrachloroethene	50.000	48.921	2.2	93	0.00
65 PM	Chlorobenzene	50.000	49.886	0.2	94	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	47.492	5.0	89	0.00
67 C	Ethyl Benzene	50.000	50.924	-1.8#	95	0.00
68 T	m/p-Xylenes	100.000	101.518	-1.5	95	0.00
69 T	o-Xylene	50.000	49.864	0.3	93	0.00
70 T	Styrene	50.000	50.666	-1.3	93	0.00
71 P	Bromoform	50.000	46.525	7.0	87	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
73 T	Isopropylbenzene	50.000	49.995	0.0	93	0.00
74 T	N-amyl acetate	50.000	50.050	-0.1	95	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.287	-0.6	98	0.00
76 T	1,2,3-Trichloropropane	50.000	48.551	2.9	96	0.00
77 T	Bromobenzene	50.000	48.400	3.2	92	0.00
78 T	n-propylbenzene	50.000	52.120	-4.2	96	0.00
79 T	2-Chlorotoluene	50.000	48.732	2.5	92	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.507	1.0	93	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	47.755	4.5	89	0.00
82 T	4-Chlorotoluene	50.000	49.417	1.2	92	0.00
83 T	tert-Butylbenzene	50.000	48.285	3.4	91	0.00
84 T	1,2,4-Trimethylbenzene	50.000	48.458	3.1	91	0.00
85 T	sec-Butylbenzene	50.000	50.498	-1.0	94	0.00
86 T	p-Isopropyltoluene	50.000	50.439	-0.9	93	0.00
87 T	1,3-Dichlorobenzene	50.000	50.565	-1.1	93	0.00
88 T	1,4-Dichlorobenzene	50.000	48.716	2.6	93	0.00
89 T	n-Butylbenzene	50.000	51.507	-3.0	94	0.00
90 T	Hexachloroethane	50.000	47.079	5.8	92	0.00
91 T	1,2-Dichlorobenzene	50.000	49.238	1.5	92	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	42.388	15.2	84	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.887	0.2	88	0.00
94 T	Hexachlorobutadiene	50.000	47.259	5.5	86	0.00
95 T	Naphthalene	50.000	49.711	0.6	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 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	49.232	1.5	88	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



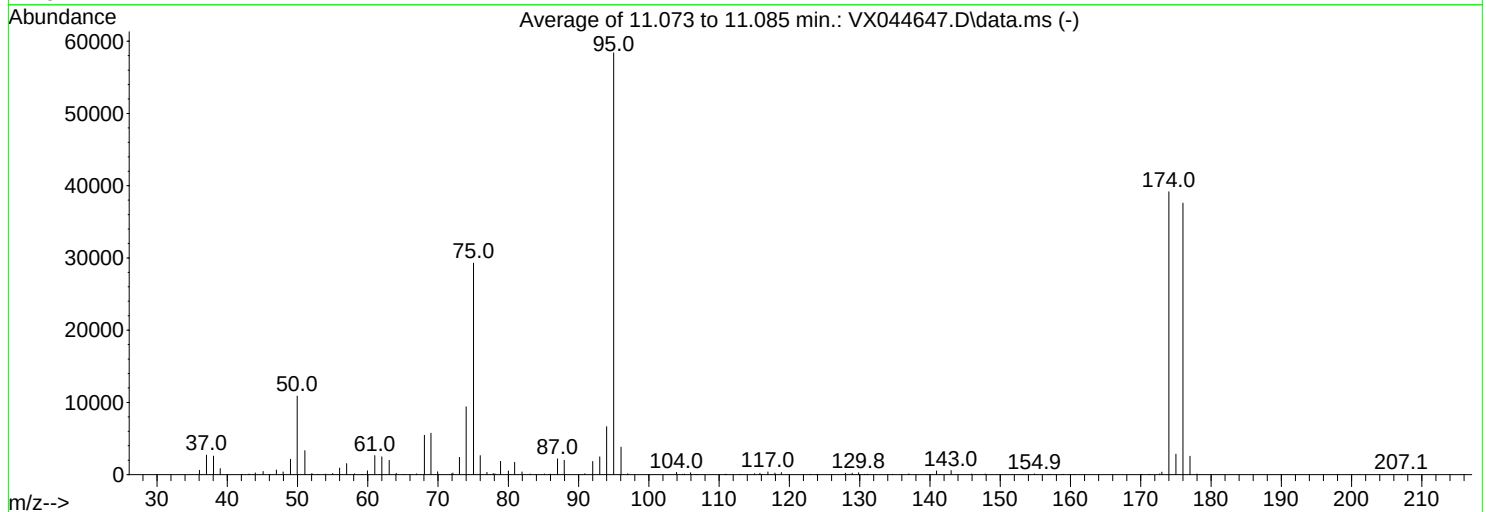
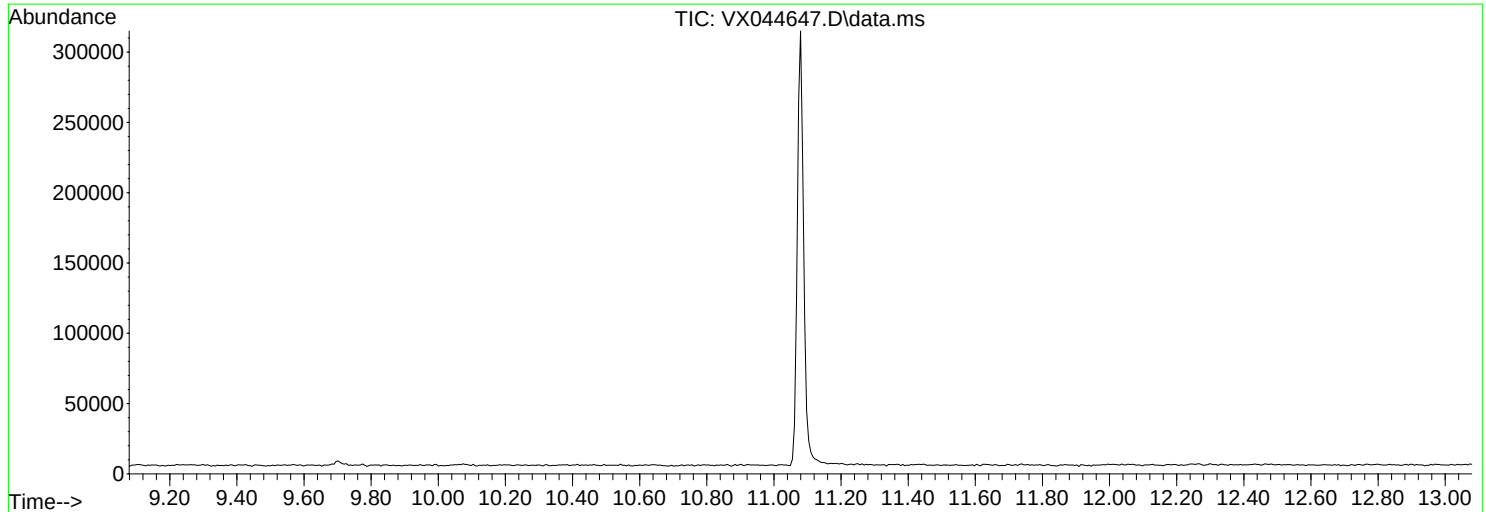
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044647.D
Acq On : 15 Jan 2025 09:30
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Title : SW846 8260
Last Update : Thu Jan 16 01:16:09 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

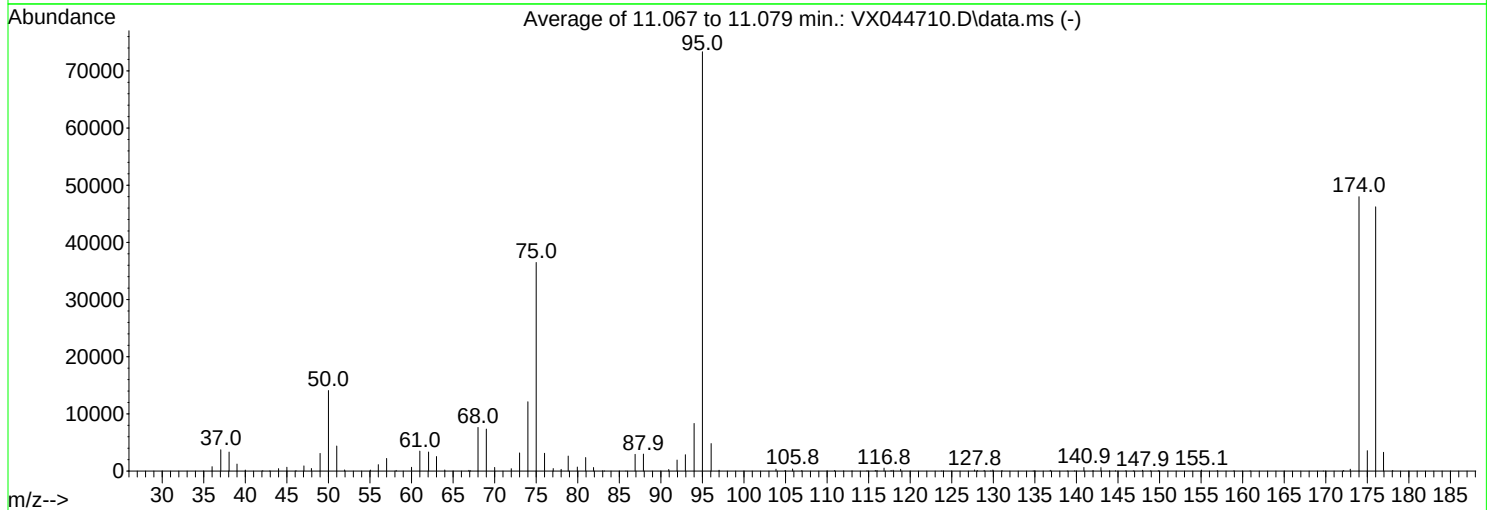
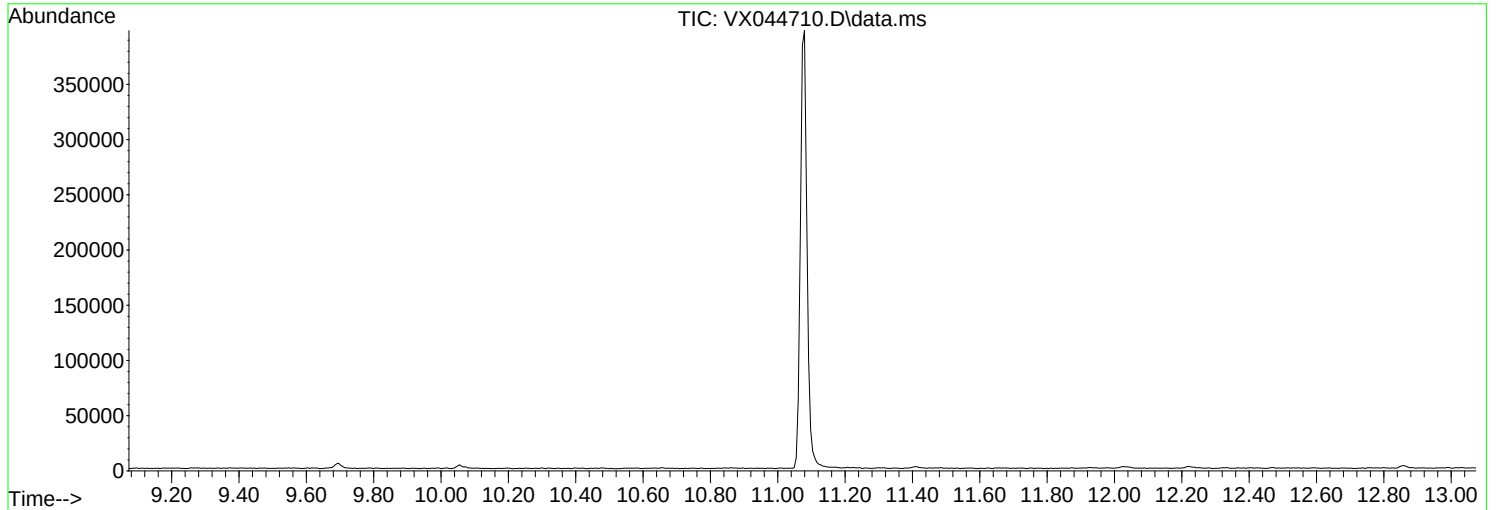
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.6	10879	PASS
75	95	30	60	50.2	29285	PASS
95	95	100	100	100.0	58391	PASS
96	95	5	9	6.5	3805	PASS
173	174	0.00	2	0.9	350	PASS
174	95	50	100	67.1	39163	PASS
175	174	5	9	7.3	2842	PASS
176	174	95	101	96.0	37587	PASS
177	176	5	9	6.8	2538	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044710.D
Acq On : 27 Jan 2025 08:47
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\82X011525W.M
Title : SW846 8260
Last Update : Thu Jan 16 01:16:09 2025



AutoFind: Scans 1637, 1638, 1639; 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	19.2	14088	PASS
75	95	30	60	49.7	36488	PASS
95	95	100	100	100.0	73349	PASS
96	95	5	9	6.6	4811	PASS
173	174	0.00	2	0.7	327	PASS
174	95	50	100	65.4	47992	PASS
175	174	5	9	7.4	3572	PASS
176	174	95	101	96.3	46227	PASS
177	176	5	9	7.1	3286	PASS

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:			
Project:	CTO WE13			Date Received:			
Client Sample ID:	VX0127WBL01			SDG No.:	Q1173		
Lab Sample ID:	VX0127WBL01			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
VX044713.D	1		01/27/25 11:01	VX012725

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:	VX0127WBL01			SDG No.:	Q1173
Lab Sample ID:	VX0127WBL01			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
VX044713.D	1		01/27/25 11:01	VX012725

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	47.7		81 - 118		95%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	54.6		89 - 112		109%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	158000	5.544				
540-36-3	1,4-Difluorobenzene	315000	6.757				
3114-55-4	Chlorobenzene-d5	281000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	125000	12.018				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

O = 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\VX012725\
 Data File : VX044713.D
 Acq On : 27 Jan 2025 11:01
 Operator : JC/MD
 Sample : VX0127WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBL01

Quant Time: Jan 28 04:08:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	158308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	315173	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	280517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	124517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	113965	47.693	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.380%
35) Dibromofluoromethane	5.379	113	101022	50.454	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.900%
50) Toluene-d8	8.641	98	381089	54.586	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.180%
62) 4-Bromofluorobenzene	11.079	95	146098	56.135	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	112.280%

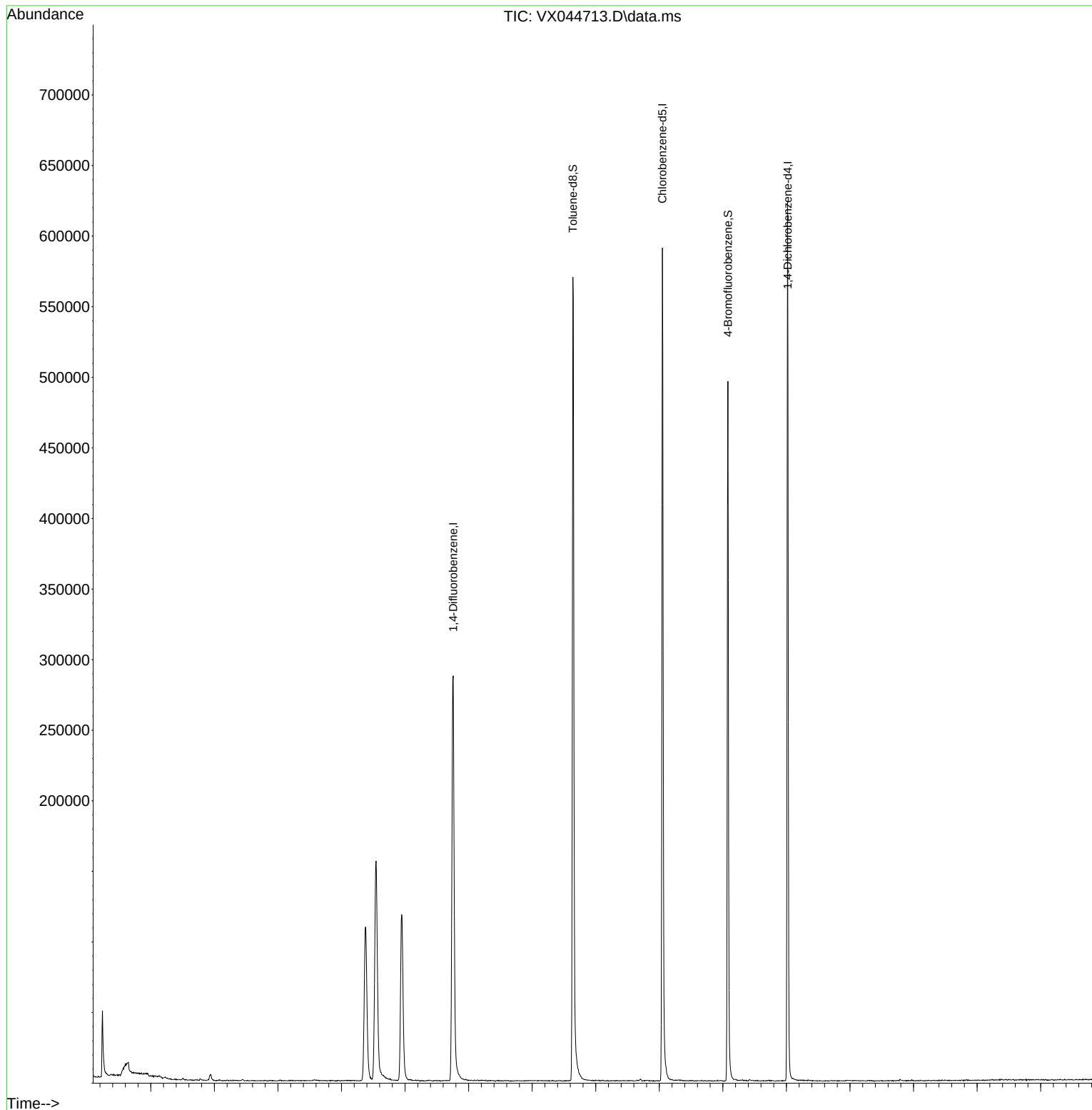
Target Compounds Qvalue

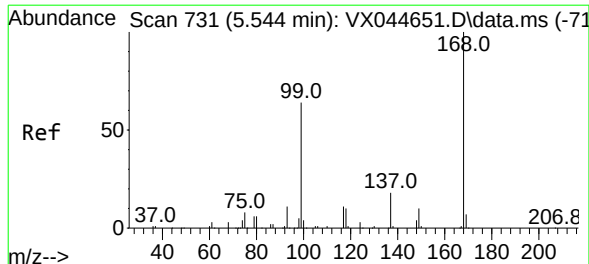
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044713.D
Acq On : 27 Jan 2025 11:01
Operator : JC/MD
Sample : VX0127WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Quant Time: Jan 28 04:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

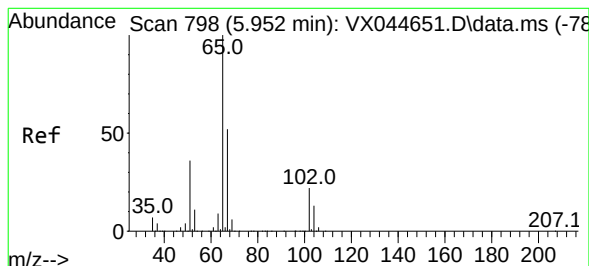
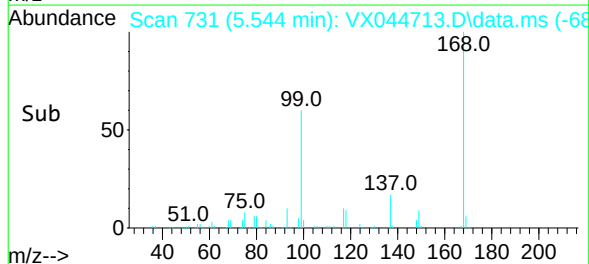
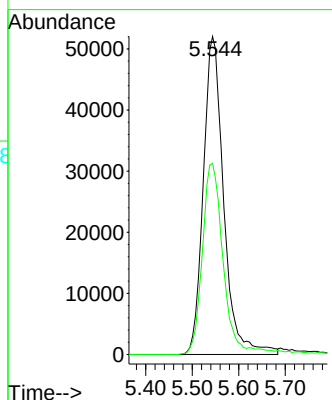
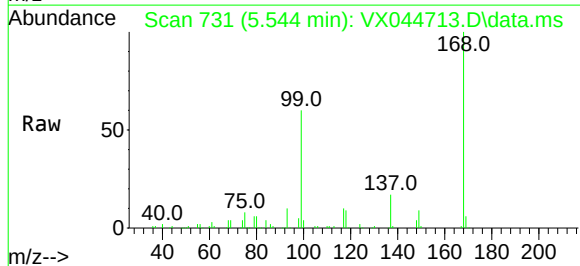




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

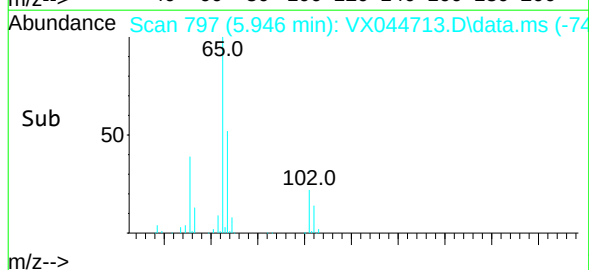
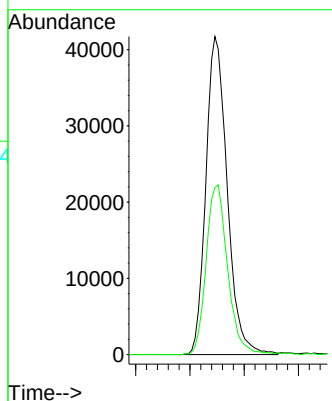
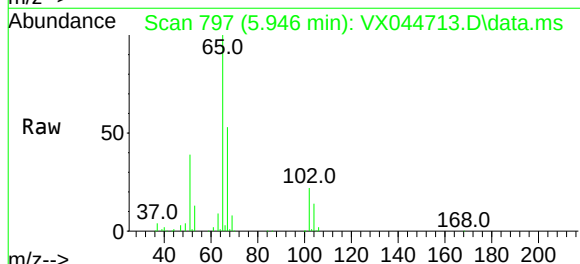
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

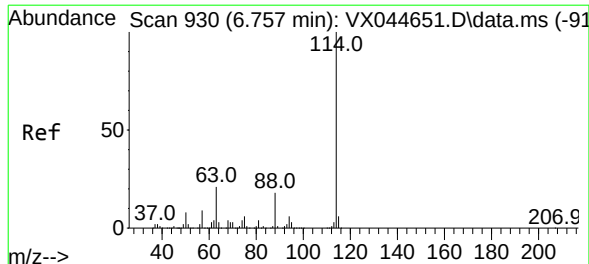
Tgt Ion:168 Resp: 158308
Ion Ratio Lower Upper
168 100
99 60.1 51.1 76.7



#33
1,2-Dichloroethane-d4
Concen: 47.693 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

Tgt Ion: 65 Resp: 113965
Ion Ratio Lower Upper
65 100
67 53.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044713.D

Acq: 27 Jan 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBL01

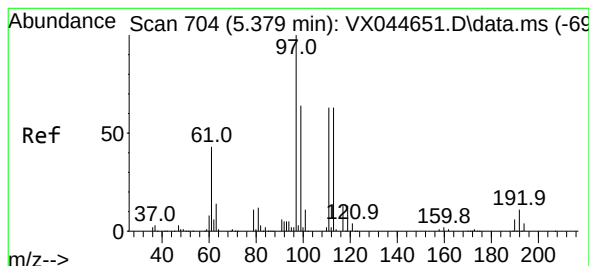
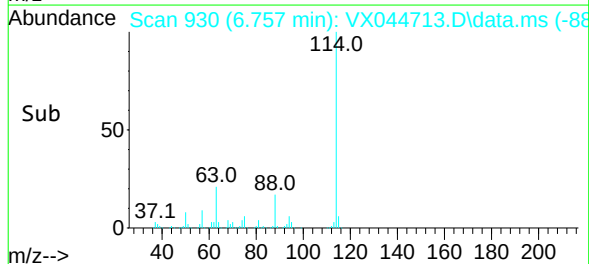
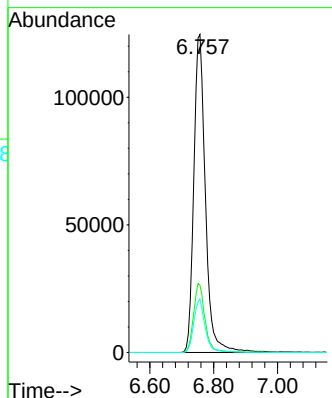
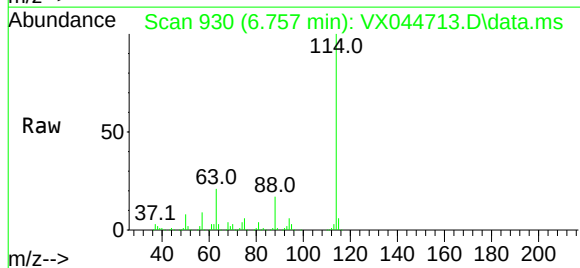
Tgt Ion:114 Resp: 315173

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

88 16.8 0.0 35.4



#35

Dibromofluoromethane

Concen: 50.454 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044713.D

Acq: 27 Jan 2025 11:01

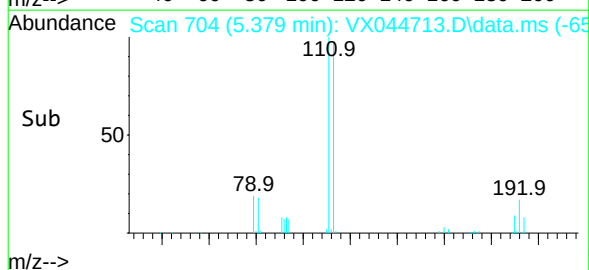
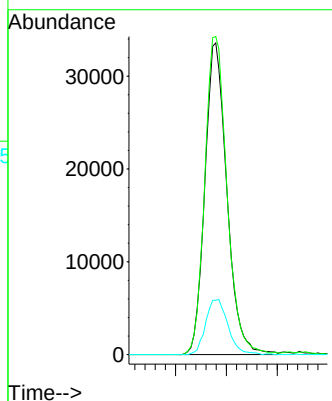
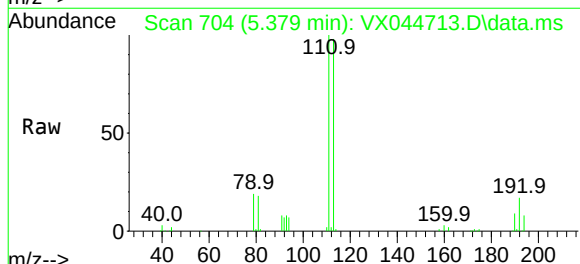
Tgt Ion:113 Resp: 101022

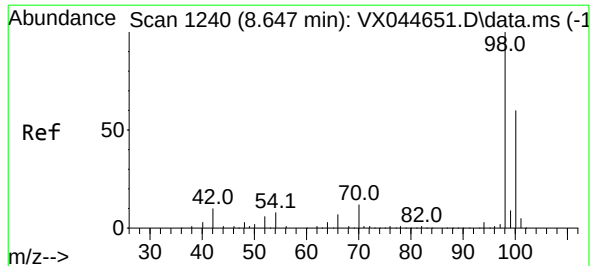
Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

192 17.9 14.4 21.6





#50

Toluene-d8

Concen: 54.586 ug/l

RT: 8.641 min Scan# 12

Delta R.T. -0.006 min

Lab File: VX044713.D

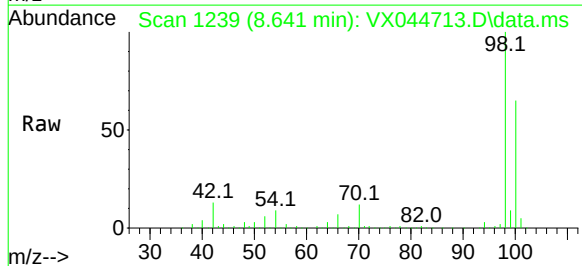
Acq: 27 Jan 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBL01

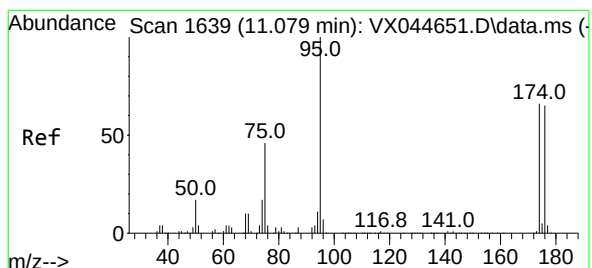
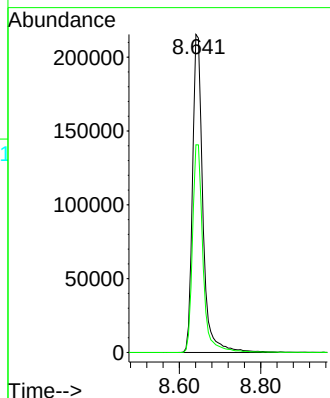
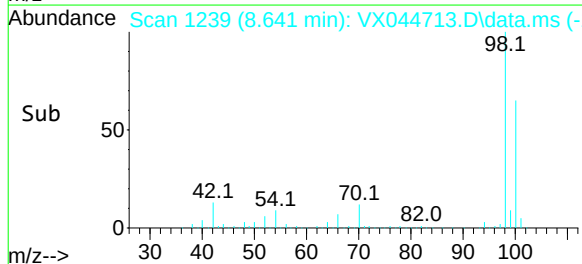


Tgt Ion: 98 Resp: 381089

Ion Ratio Lower Upper

98 100

100 66.1 53.2 79.8



#62

4-Bromofluorobenzene

Concen: 56.135 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044713.D

Acq: 27 Jan 2025 11:01

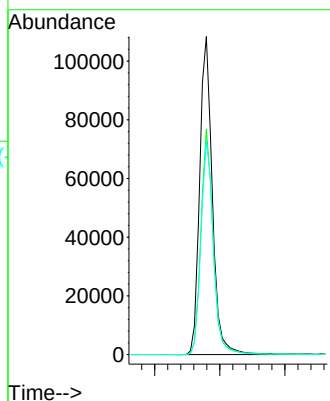
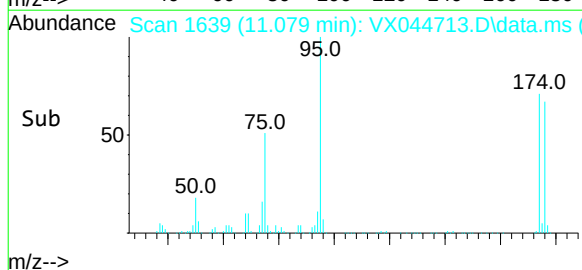
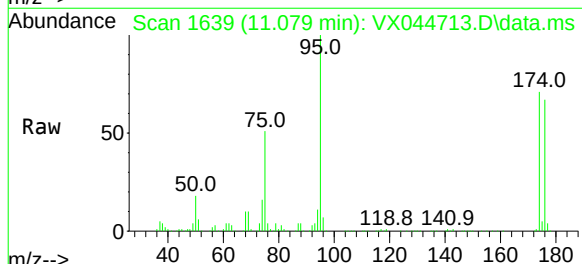
Tgt Ion: 95 Resp: 146098

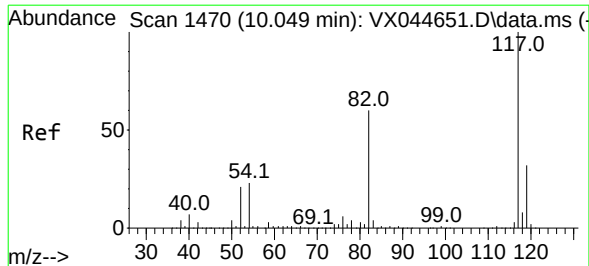
Ion Ratio Lower Upper

95 100

174 68.4 0.0 133.0

176 66.7 0.0 129.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044713.D

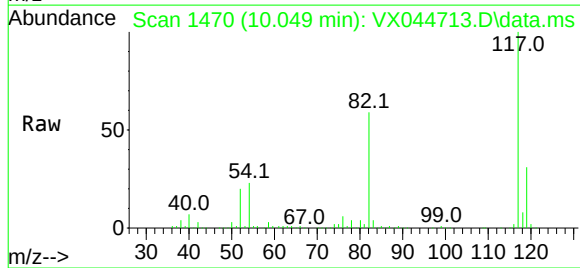
Acq: 27 Jan 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBL01



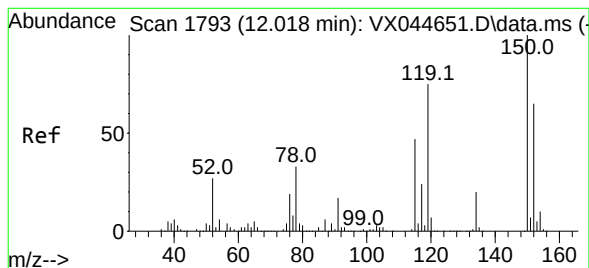
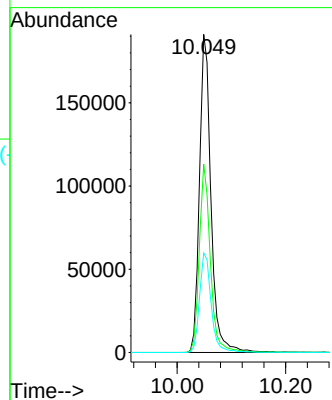
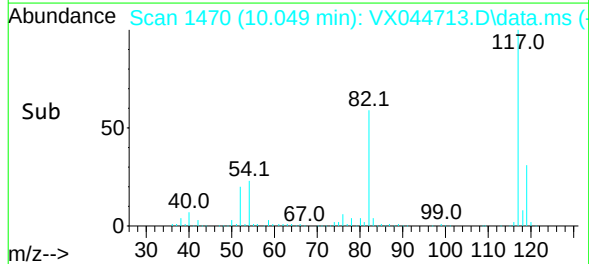
Tgt Ion:117 Resp: 280517

Ion Ratio Lower Upper

117 100

82 59.2 47.6 71.4

119 31.3 25.4 38.2



#72

1,4-Dichlorobenzene-d4

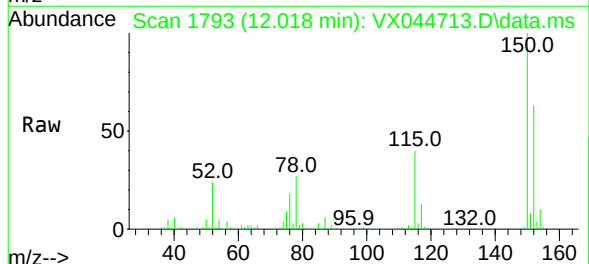
Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044713.D

Acq: 27 Jan 2025 11:01



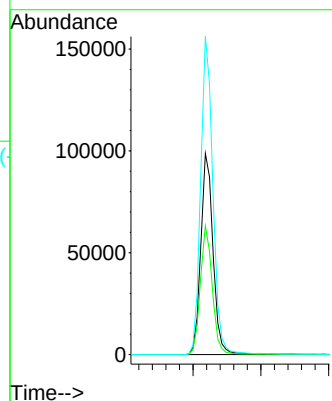
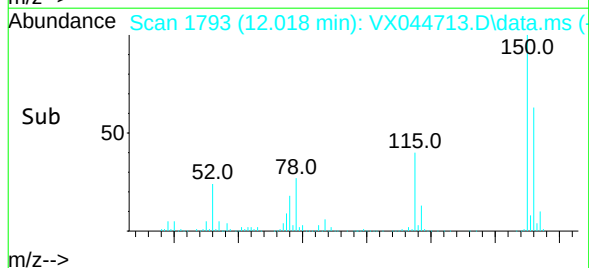
Tgt Ion:152 Resp: 124517

Ion Ratio Lower Upper

152 100

115 62.2 43.8 131.4

150 157.7 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044713.D
Acq On : 27 Jan 2025 11:01
Operator : JC/MD
Sample : VX0127WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

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\82X011525W.M

Title : SW846 8260

Signal : TIC: VX044713.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	22	25	35	rBV	46789	65332	6.49%	1.247%
2	1.569	71	79	80	rBV4	5614	10912	1.08%	0.208%
3	5.379	692	704	719	rBV2	108960	328275	32.62%	6.265%
4	5.544	721	731	754	rBV	154632	471641	46.86%	9.001%
5	5.946	787	797	814	rBV	117635	327686	32.56%	6.254%
6	6.757	920	930	953	rBV	286911	727355	72.27%	13.881%
7	8.641	1233	1239	1263	rBV	569144	1006425	100.00%	19.207%
8	10.049	1464	1470	1490	rBV	589968	864057	85.85%	16.490%
9	11.079	1633	1639	1654	rBV	495549	662534	65.83%	12.644%
10	12.018	1788	1793	1804	rBV	623012	775799	77.08%	14.805%

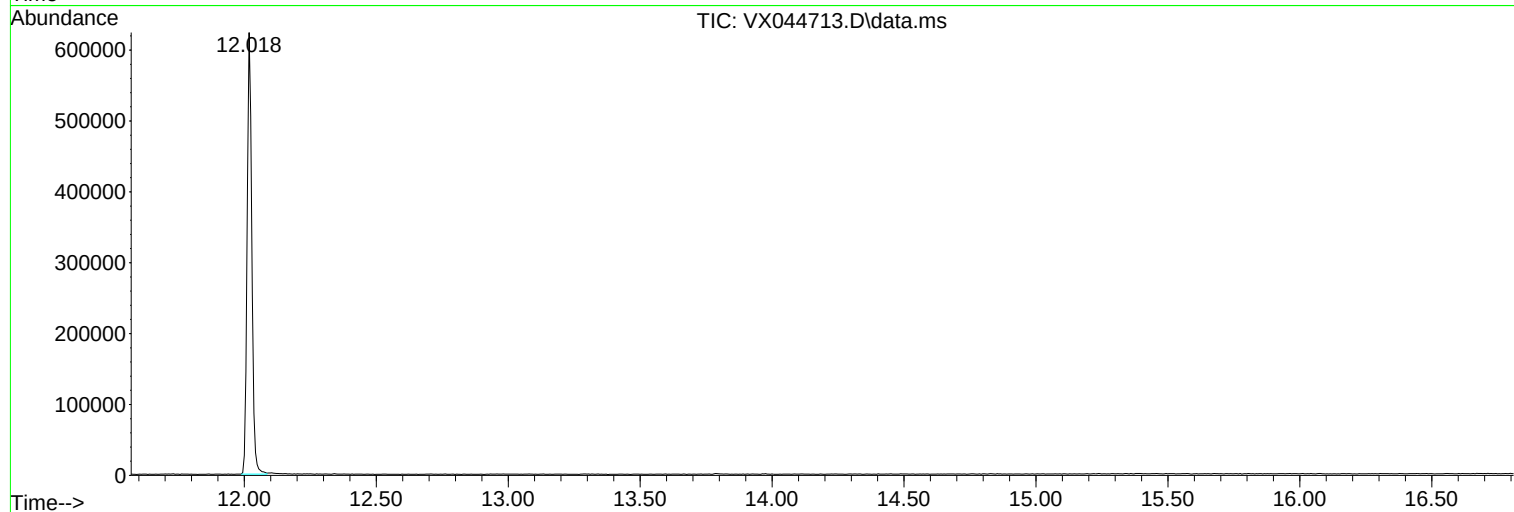
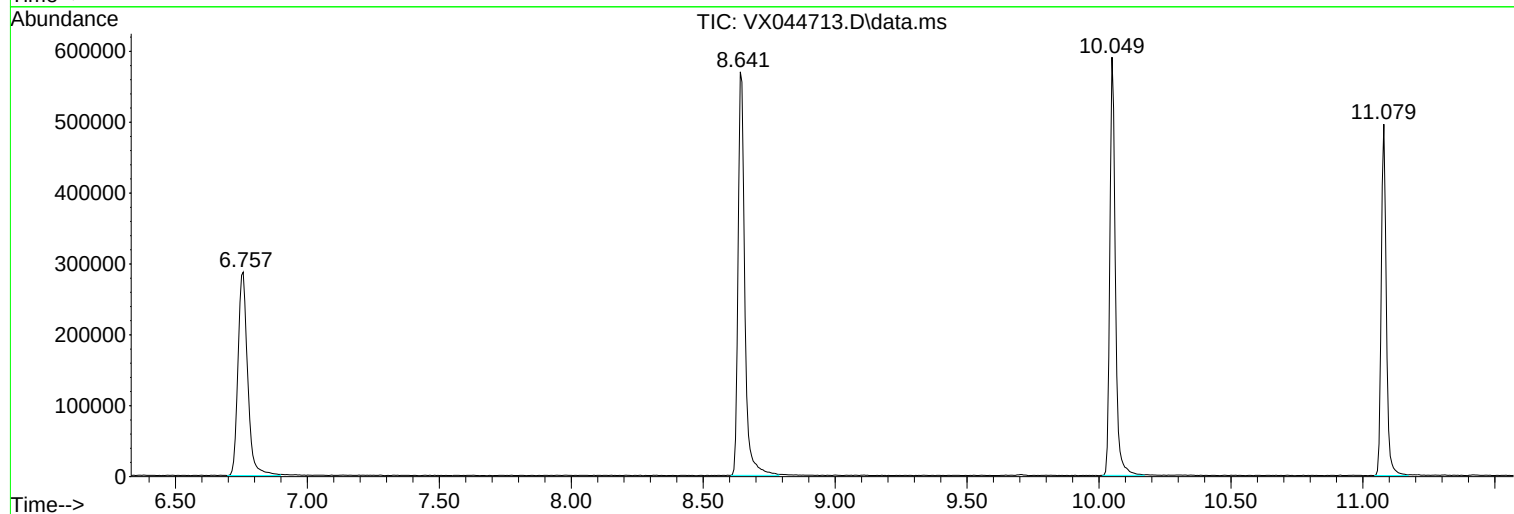
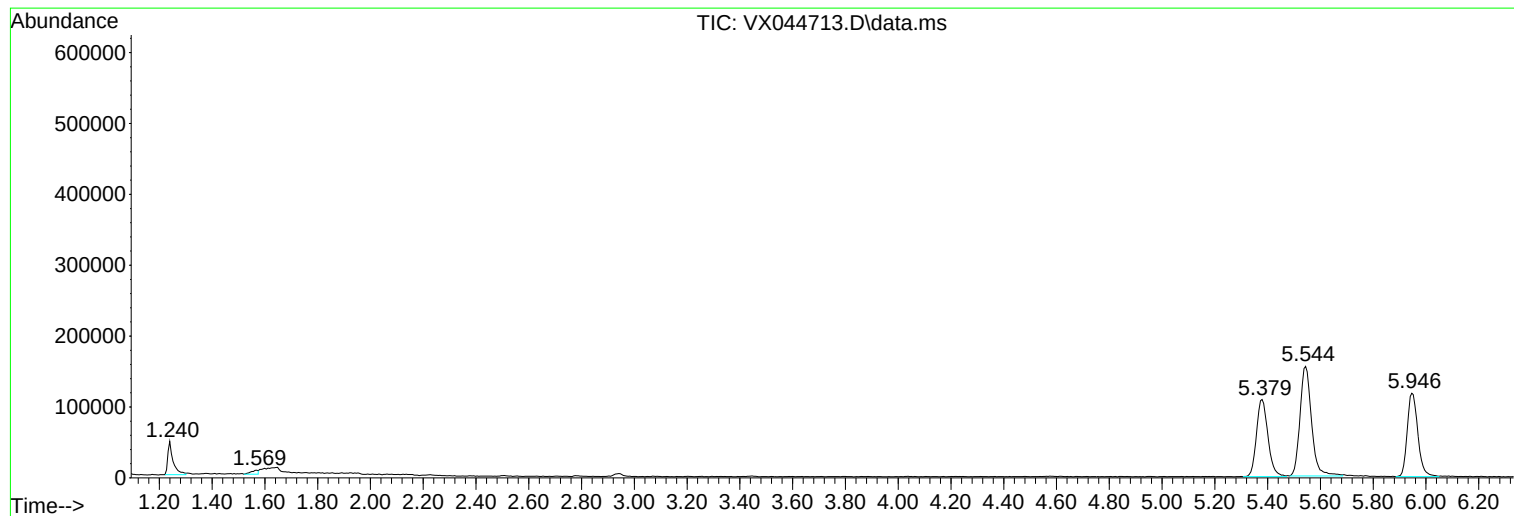
Sum of corrected areas: 5240016

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044713.D
Acq On : 27 Jan 2025 11:01
Operator : JC/MD
Sample : VX0127WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044713.D
Acq On : 27 Jan 2025 11:01
Operator : JC/MD
Sample : VX0127WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.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\VX012725\
Data File : VX044713.D
Acq On : 27 Jan 2025 11:01
Operator : JC/MD
Sample : VX0127WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	CTO WE13			Date Received:	
Client Sample ID:	VX0127WBS01			SDG No.:	Q1173
Lab Sample ID:	VX0127WBS01			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
VX044714.D	1		01/27/25 11:24	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	19.0		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.3		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	18.9		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	38.1		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.7		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.6		0.26	0.75	1.00	ug/L
67-64-1	Acetone	80.8		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	18.4		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.2		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	17.5		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.5		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.0		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	90.1		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	16.7		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.4		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	17.3		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	16.1		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.3		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.5		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	16.3		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.5		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.6		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	17.0		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	95.9		0.75	2.50	5.00	ug/L
108-88-3	Toluene	18.3		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.2		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.5		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.3		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	95.6		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:	VX0127WBS01			SDG No.:	Q1173
Lab Sample ID:	VX0127WBS01			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
VX044714.D	1		01/27/25 11:24	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	17.2		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.7		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.6		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.0		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	18.6		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.2		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	17.7		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.8		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.0		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.4		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.2		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.1		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	41.6		81 - 118		83%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	48.4		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	195000	5.543				
540-36-3	1,4-Difluorobenzene	349000	6.757				
3114-55-4	Chlorobenzene-d5	295000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	132000	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\VX012725\
 Data File : VX044714.D
 Acq On : 27 Jan 2025 11:24
 Operator : JC/MD
 Sample : VX0127WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/28/2025
 Supervised By : Mahesh Dadoda 01/28/2025

Quant Time: Jan 28 04:08:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	194501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	349402	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	294902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	132232	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	122056	41.574	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.140%
35) Dibromofluoromethane	5.379	113	101687	45.811	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.620%
50) Toluene-d8	8.640	98	374408	48.375	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.760%
62) 4-Bromofluorobenzene	11.079	95	134911	46.759	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.520%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	44749	17.097	ug/l	97
3) Chloromethane	1.300	50	53678	18.965	ug/l	98
4) Vinyl Chloride	1.373	62	48425	17.316	ug/l	98
5) Bromomethane	1.593	94	12630	18.914	ug/l	98
6) Chloroethane	1.666	64	19537	38.097	ug/l	98
7) Trichlorofluoromethane	1.873	101	51664	16.716	ug/l	100
8) Diethyl Ether	2.129	74	17567	14.084	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.318	101	42834	18.436	ug/l	97
10) Methyl Iodide	2.446	142	52896	16.675	ug/l	98
11) Tert butyl alcohol	2.977	59	51998	79.447	ug/l #	84
12) 1,1-Dichloroethene	2.312	96	42270	18.561	ug/l	97
13) Acrolein	2.233	56	21403	69.491	ug/l	99
14) Allyl chloride	2.660	41	77088	17.385	ug/l	98
15) Acrylonitrile	3.062	53	116149	90.479	ug/l	100
16) Acetone	2.379	43	93908	80.848	ug/l	99
17) Carbon Disulfide	2.501	76	114283	18.390	ug/l	99
18) Methyl Acetate	2.703	43	64807	18.085	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	141970	17.211	ug/l	98
20) Methylene Chloride	2.782	84	47323	17.495	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	41613	17.501	ug/l	98
22) Diisopropyl ether	3.757	45	145799	18.916	ug/l	95
23) Vinyl Acetate	3.715	43	610713	90.524	ug/l	99
24) 1,1-Dichloroethane	3.605	63	82157	17.974	ug/l	100
25) 2-Butanone	4.556	43	155565	90.078	ug/l	99
26) 2,2-Dichloropropane	4.464	77	70010	15.804	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	52012	17.390	ug/l	98
28) Bromochloromethane	4.891	49	39674	18.575	ug/l	95
29) Tetrahydrofuran	5.001	42	100494	90.213	ug/l	98
30) Chloroform	5.086	83	79982	17.339	ug/l	99
31) Cyclohexane	5.464	56	74004	20.018	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	68369	16.122	ug/l	99
36) 1,1-Dichloropropene	5.690	75	54103	17.510	ug/l	99
37) Ethyl Acetate	4.714	43	59455	18.069	ug/l	98
38) Carbon Tetrachloride	5.672	117	58196	16.744	ug/l	99
39) Methylcyclohexane	7.372	83	75160	18.324	ug/l	100
40) Benzene	6.031	78	177558	18.544	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044714.D
 Acq On : 27 Jan 2025 11:24
 Operator : JC/MD
 Sample : VX0127WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/28/2025
 Supervised By : Mahesh Dadoda 01/28/2025

Quant Time: Jan 28 04:08:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	33769	17.612	ug/l	99
42) 1,2-Dichloroethane	6.080	62	56940	16.294	ug/l	99
43) Isopropyl Acetate	6.336	43	106960	17.670	ug/l	99
44) Trichloroethene	7.122	130	40285	17.501	ug/l	97
45) 1,2-Dichloropropane	7.421	63	44906	18.632	ug/l	99
46) Dibromomethane	7.580	93	31751	17.306	ug/l	98
47) Bromodichloromethane	7.817	83	64021	17.015	ug/l	99
48) Methyl methacrylate	7.689	41	50455	17.957	ug/l	98
49) 1,4-Dioxane	7.659	88	22357	381.373	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	320897	95.928	ug/l	99
52) Toluene	8.714	92	107306	18.310	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	66983	17.231	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	73698	17.484	ug/l	99
55) 1,1,2-Trichloroethane	9.146	97	43335	18.277	ug/l	98
56) Ethyl methacrylate	9.116	69	73260	17.970	ug/l	99
57) 1,3-Dichloropropane	9.305	76	73374	18.173	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	155542	77.714	ug/l	98
59) 2-Hexanone	9.427	43	235185	95.563	ug/l	100
60) Dibromochloromethane	9.518	129	47865	17.200	ug/l	98
61) 1,2-Dibromoethane	9.604	107	43546	17.525	ug/l	99
64) Tetrachloroethene	9.268	164	34603	18.686	ug/l	96
65) Chlorobenzene	10.073	112	116677	18.627	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	39444	17.327	ug/l	98
67) Ethyl Benzene	10.189	91	203496	18.619	ug/l	99
68) m/p-Xylenes	10.299	106	154315	38.048	ug/l	97
69) o-Xylene	10.640	106	76225	18.584	ug/l	100
70) Styrene	10.652	104	127161	19.202	ug/l	98
71) Bromoform	10.799	173	32859	17.735	ug/l #	100
73) Isopropylbenzene	10.957	105	192068	17.780	ug/l	100
74) N-amyl acetate	10.841	43	92250	17.326	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	67283	18.034	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	54906m	17.110	ug/l	
77) Bromobenzene	11.195	156	44539	17.640	ug/l	97
78) n-propylbenzene	11.299	91	218400	18.333	ug/l	100
79) 2-Chlorotoluene	11.360	91	137301	17.842	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	158002	17.967	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	23991	17.096	ug/l	95
82) 4-Chlorotoluene	11.451	91	153401	18.197	ug/l	97
83) tert-Butylbenzene	11.713	119	162534	17.676	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	159915	17.895	ug/l	99
85) sec-Butylbenzene	11.890	105	197899	18.485	ug/l	99
86) p-Isopropyltoluene	12.006	119	159273	18.102	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	80761	18.444	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	80443	18.173	ug/l	100
89) n-Butylbenzene	12.329	91	140139	18.544	ug/l	99
90) Hexachloroethane	12.536	117	33393	16.760	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	81242	18.066	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	13195	14.461	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	47294	17.593	ug/l	99
94) Hexachlorobutadiene	13.725	225	18173	17.210	ug/l	97
95) Naphthalene	13.774	128	184203	17.766	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	49087	17.616	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044714.D
Acq On : 27 Jan 2025 11:24
Operator : JC/MD
Sample : VX0127WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Quant Time: Jan 28 04:08:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

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

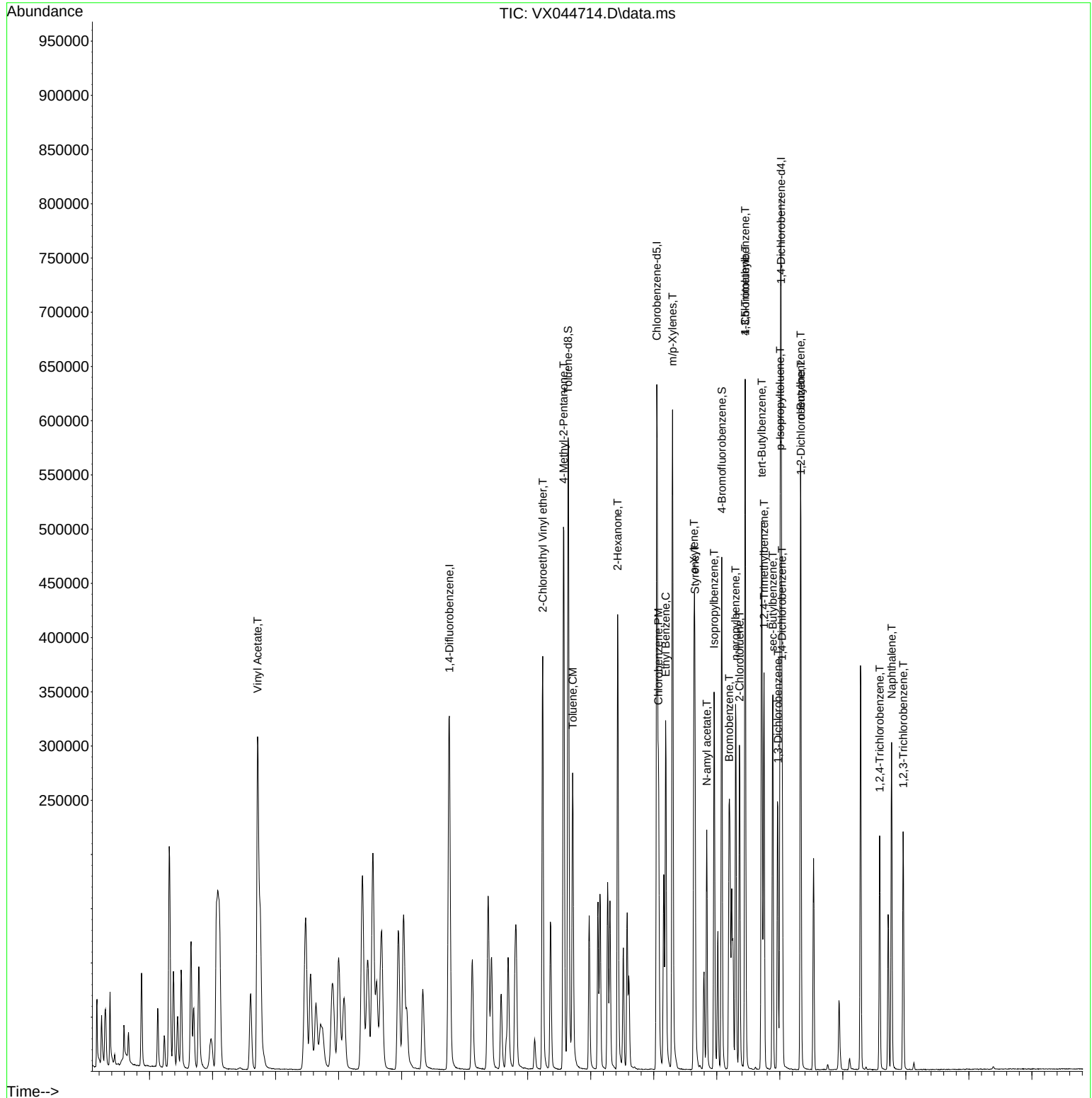
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Data File : VX044714.D
Acq On : 27 Jan 2025 11:24
Operator : JC/MD
Sample : VX0127WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

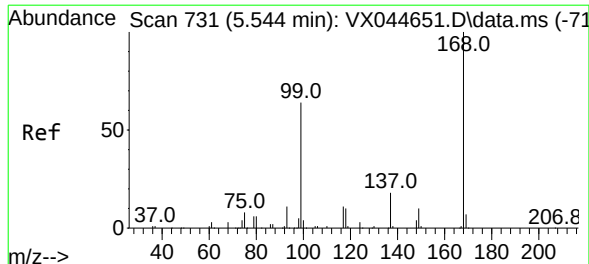
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations
APPROVED

Reviewed By : John Carlone 01/28/2025
Supervised By : Mahesh Dadoda 01/28/2025

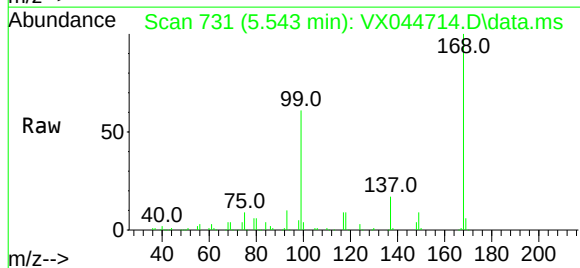
Quant Time: Jan 28 04:08:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration





Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.543 min Scan# 731
 Delta R.T. -0.001 min
 Lab File: VX044714.D
 Acq: 27 Jan 2025 11:24

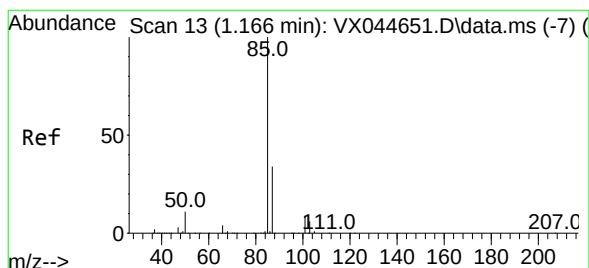
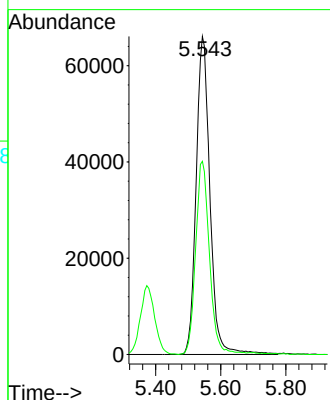
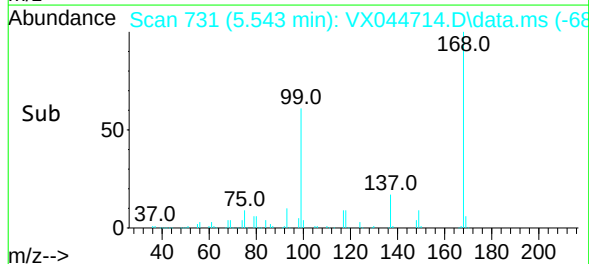
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBS01



Tgt Ion: 168 Resp: 194501
 Ion Ratio Lower Upper
 168 100
 99 60.8 51.1 76.7

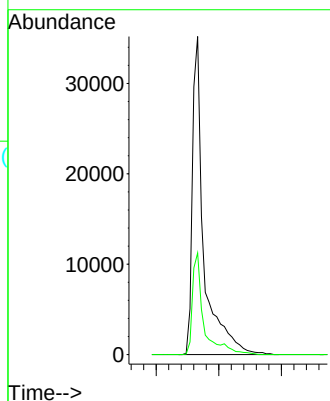
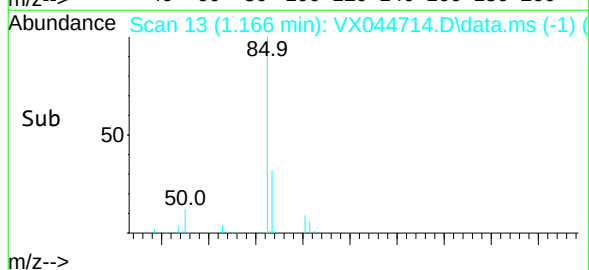
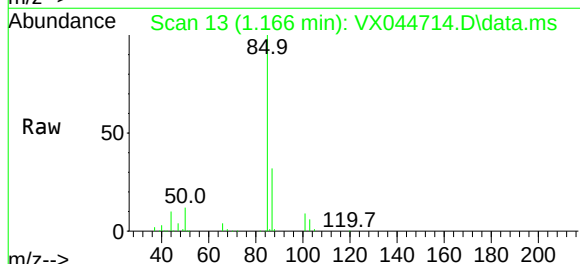
Manual Integrations
 APPROVED

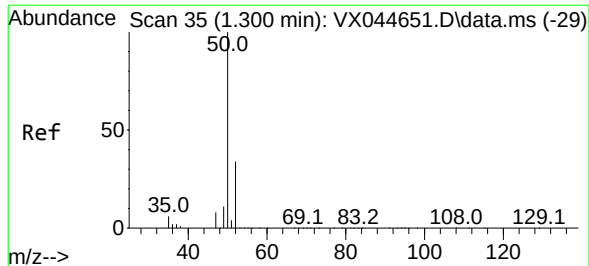
Reviewed By : John Carlone 01/28/2025
 Supervised By : Mahesh Dadoda 01/28/2025



Dichlorodifluoromethane
 Concen: 17.097 ug/l
 RT: 1.166 min Scan# 13
 Delta R.T. -0.000 min
 Lab File: VX044714.D
 Acq: 27 Jan 2025 11:24

Tgt Ion: 85 Resp: 44749
 Ion Ratio Lower Upper
 85 100
 87 32.0 16.8 50.4





#3

Chloromethane

Concen: 18.965 ug/l

RT: 1.300 min Scan# 35

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 50 Resp: 53678

Ion Ratio Lower Upper

50 100

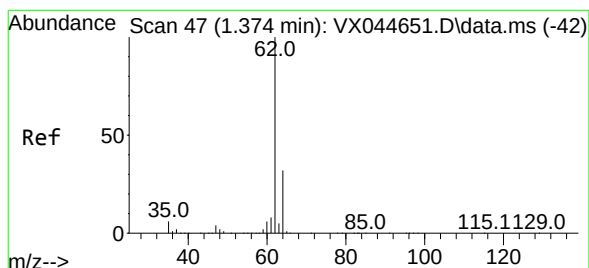
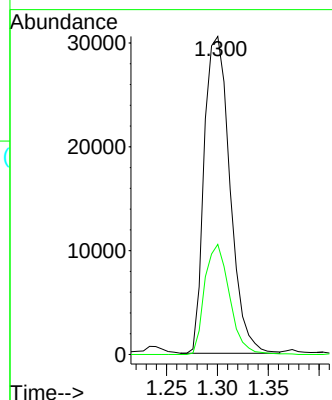
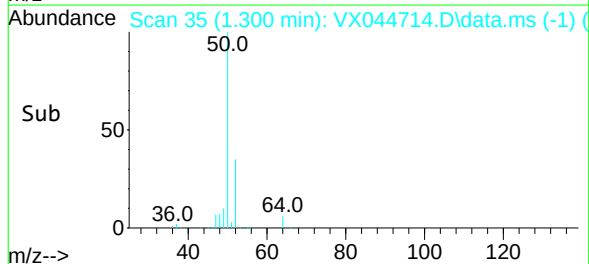
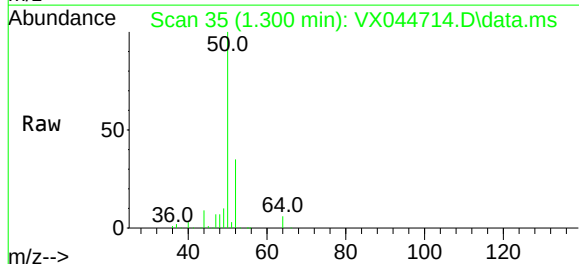
52 34.7 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#4

Vinyl Chloride

Concen: 17.316 ug/l

RT: 1.373 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX044714.D

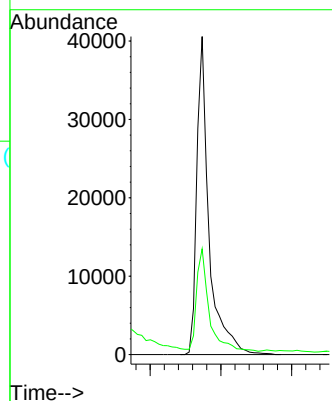
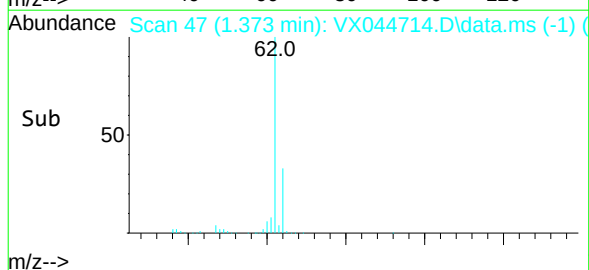
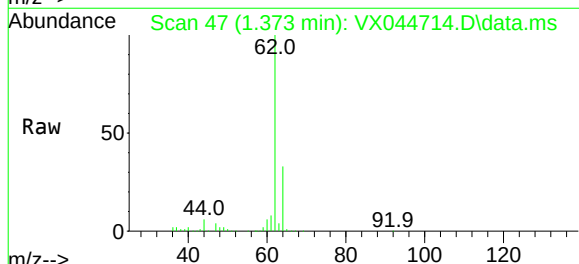
Acq: 27 Jan 2025 11:24

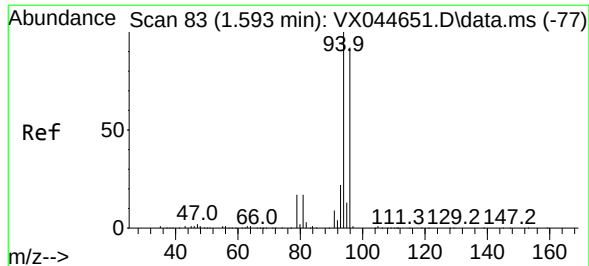
Tgt Ion: 62 Resp: 48425

Ion Ratio Lower Upper

62 100

64 32.0 26.6 39.8





#5

Bromomethane

Concen: 18.914 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX044714.D

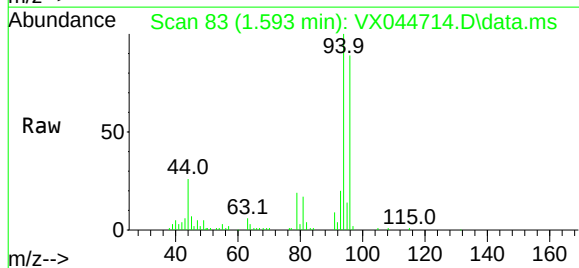
Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01



Tgt Ion: 94 Resp: 12630

Ion Ratio Lower Upper

94 100

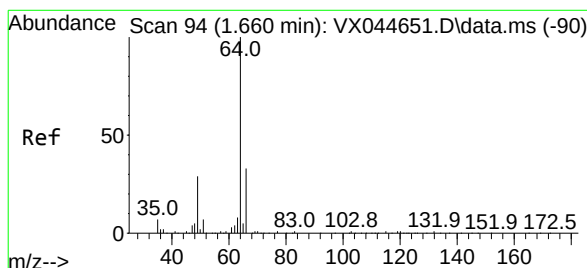
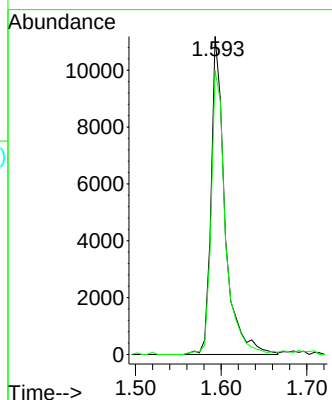
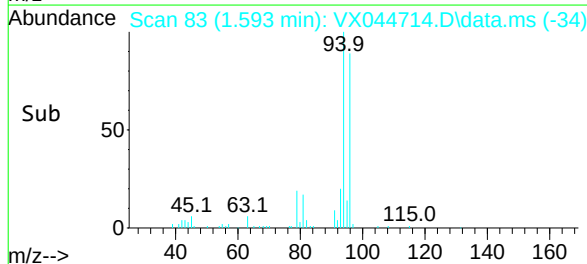
96 89.3 72.8 109.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#6

Chloroethane

Concen: 38.097 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX044714.D

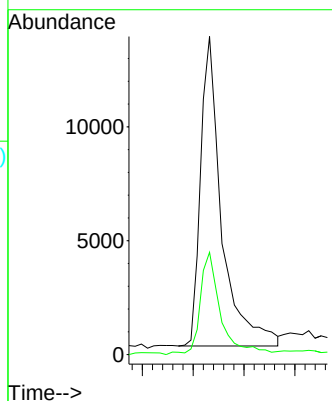
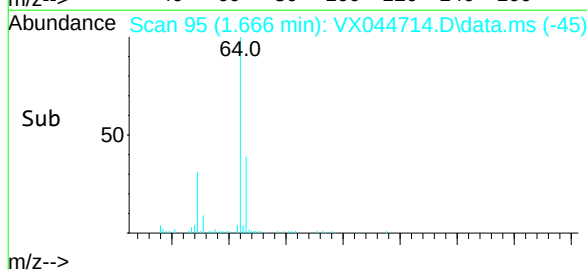
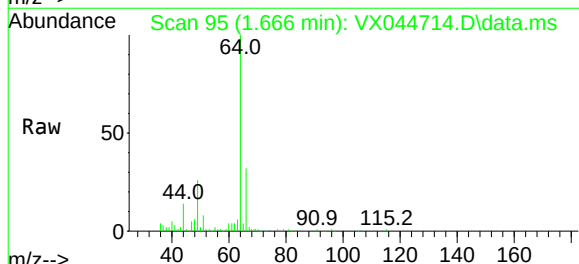
Acq: 27 Jan 2025 11:24

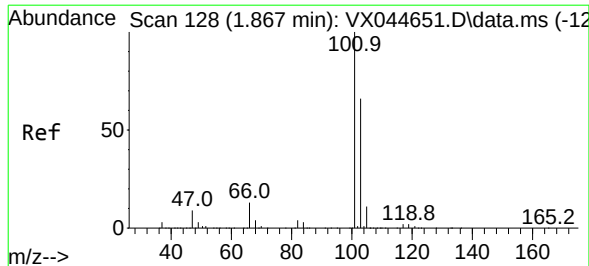
Tgt Ion: 64 Resp: 19537

Ion Ratio Lower Upper

64 100

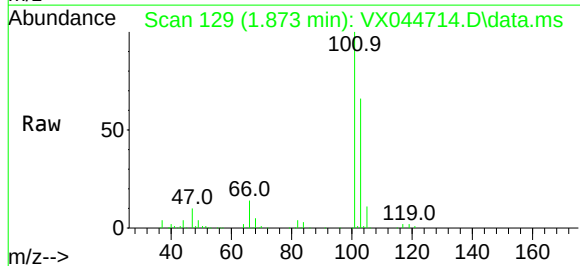
66 32.3 26.6 39.8





#7
 Trichlorofluoromethane
 Concen: 16.716 ug/l
 RT: 1.873 min Scan# 128
 Delta R.T. 0.006 min
 Lab File: VX044714.D
 Acq: 27 Jan 2025 11:24

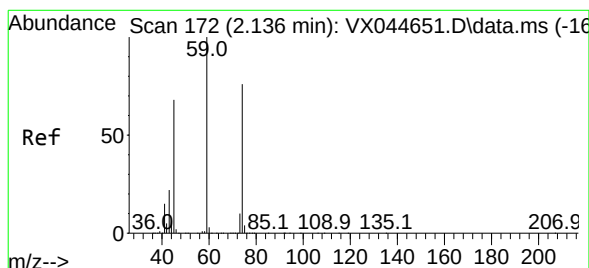
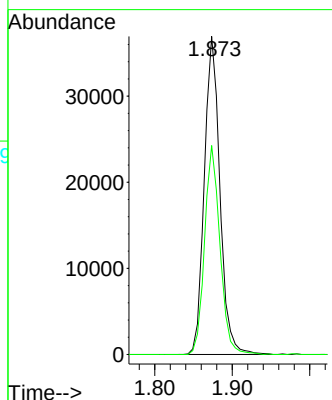
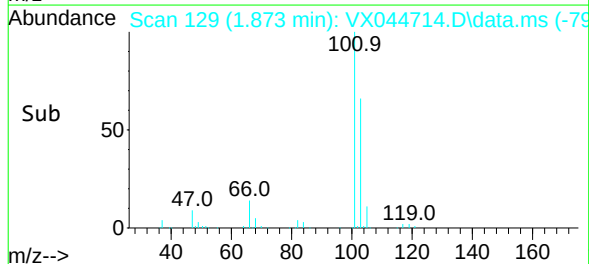
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBS01



Tgt Ion: 101 Resp: 51664
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.5 78.7

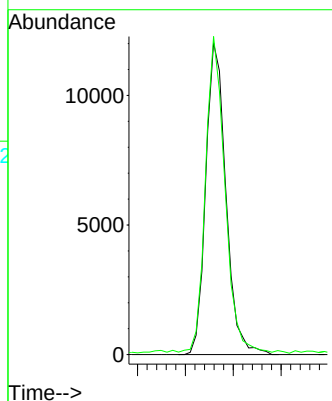
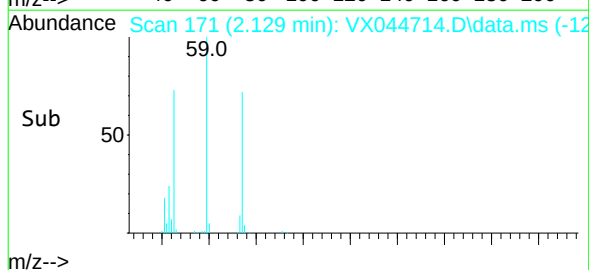
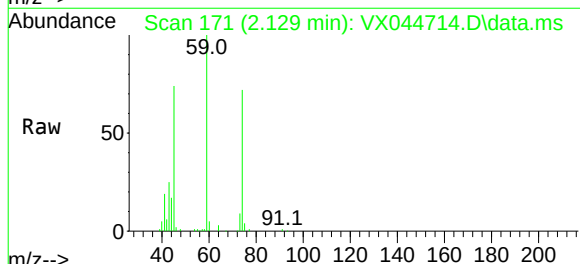
Manual Integrations
 APPROVED

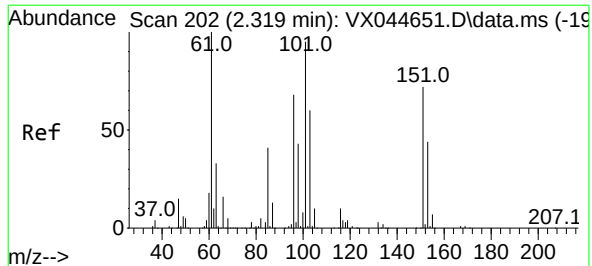
Reviewed By : John Carlone 01/28/2025
 Supervised By : Mahesh Dadoda 01/28/2025



#8
 Diethyl Ether
 Concen: 14.084 ug/l
 RT: 2.129 min Scan# 171
 Delta R.T. -0.006 min
 Lab File: VX044714.D
 Acq: 27 Jan 2025 11:24

Tgt Ion: 74 Resp: 17567
 Ion Ratio Lower Upper
 74 100
 45 98.8 47.1 141.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.436 ug/l

RT: 2.318 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

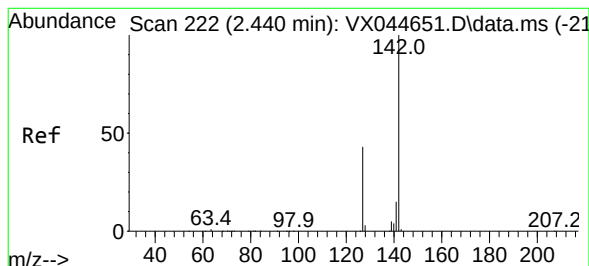
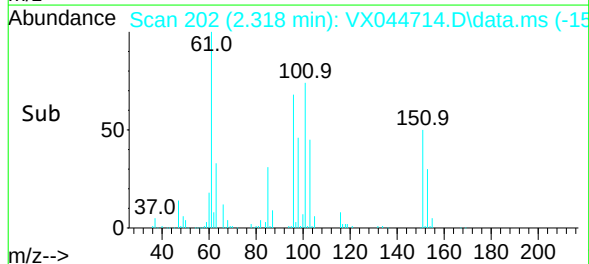
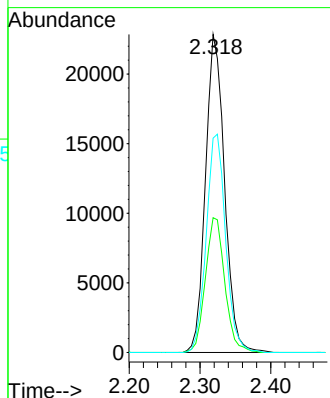
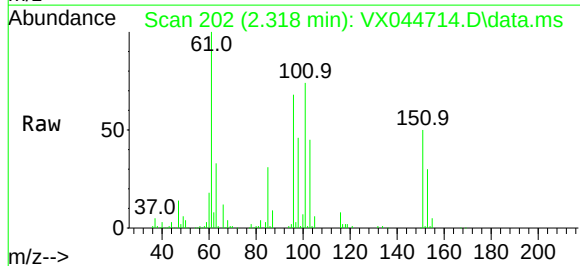
Tgt Ion:	101	Resp:	42834
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.3	52.9
151	69.9	58.2	87.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#10

Methyl Iodide

Concen: 16.675 ug/l

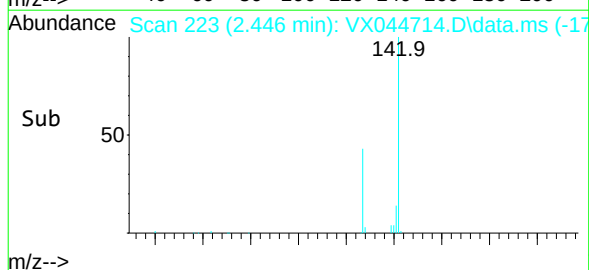
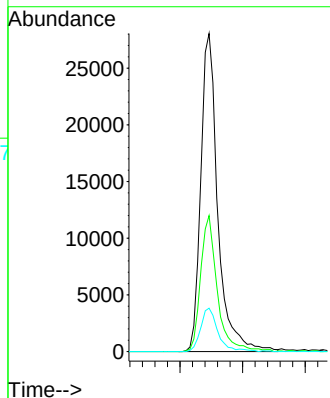
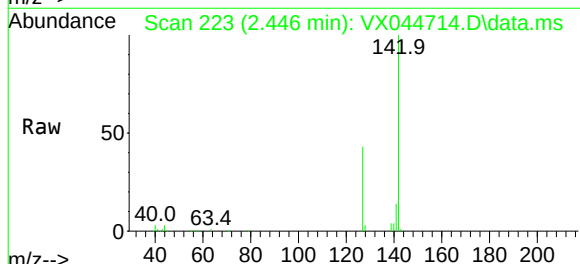
RT: 2.446 min Scan# 223

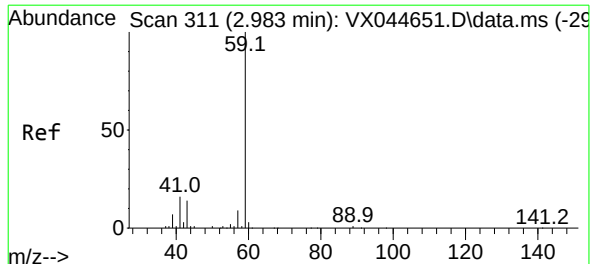
Delta R.T. 0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Tgt Ion:	142	Resp:	52896
Ion Ratio	Lower	Upper	
142	100		
127	42.0	35.0	52.4
141	13.9	11.7	17.5





#11

Tert butyl alcohol

Concen: 79.447 ug/l

RT: 2.977 min Scan# 311

Delta R.T. -0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 59 Resp: 51998

Ion Ratio Lower Upper

59 100

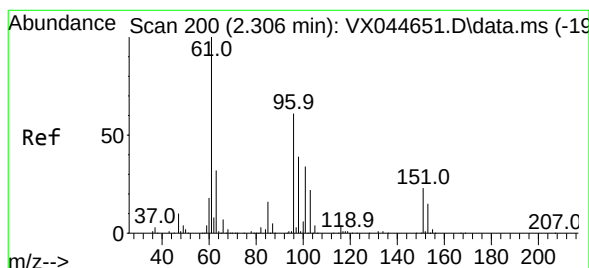
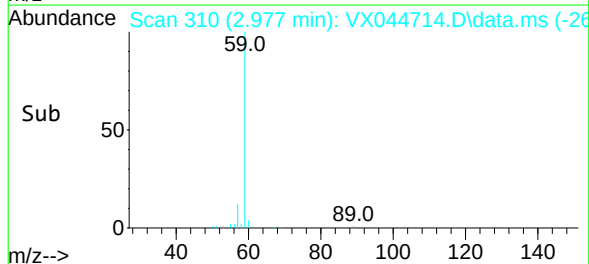
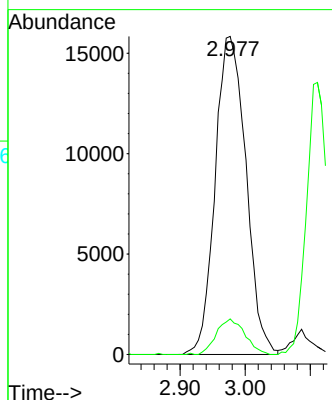
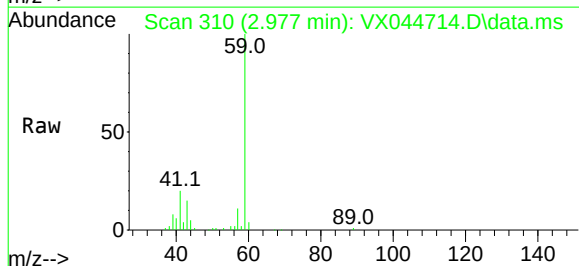
57 10.3 3.9 5.9#

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#12

1,1-Dichloroethene

Concen: 18.561 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

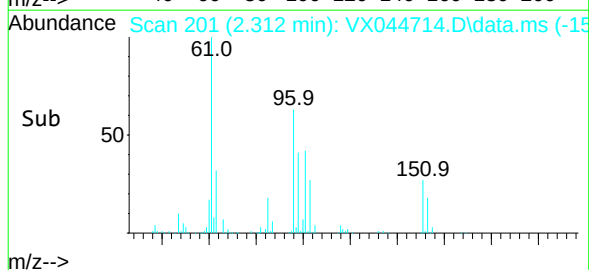
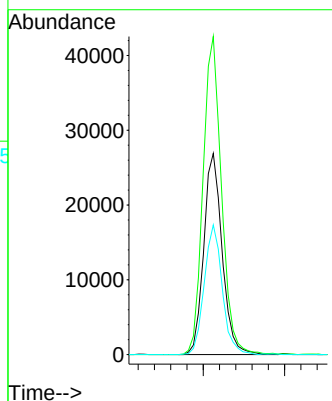
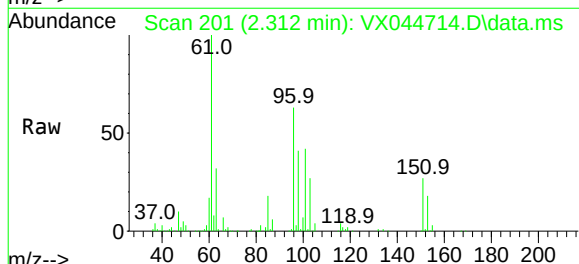
Tgt Ion: 96 Resp: 42270

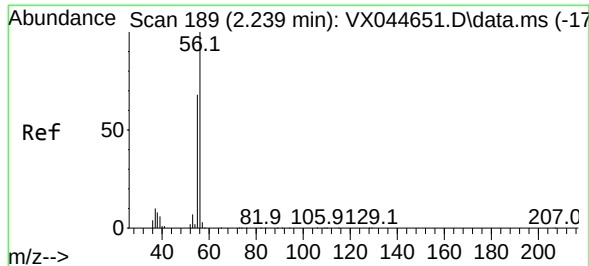
Ion Ratio Lower Upper

96 100

61 158.1 131.1 196.7

98 64.5 51.2 76.8





#13

Acrolein

Concen: 69.491 ug/l

RT: 2.233 min Scan# 18

Delta R.T. -0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 56 Resp: 21403

Ion Ratio Lower Upper

56 100

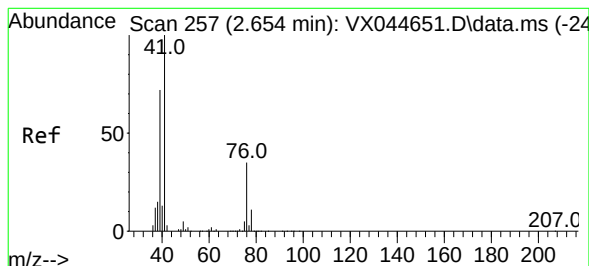
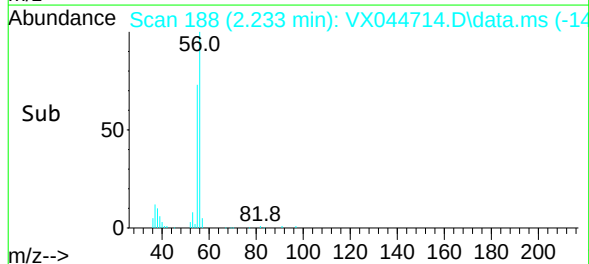
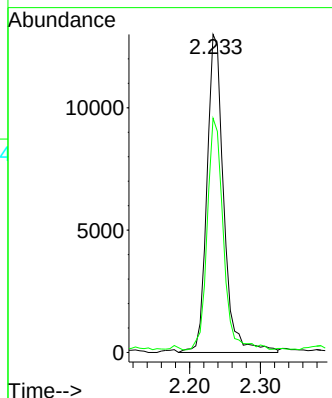
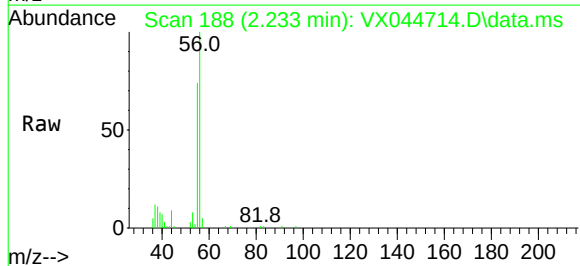
55 69.7 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#14

Allyl chloride

Concen: 17.385 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

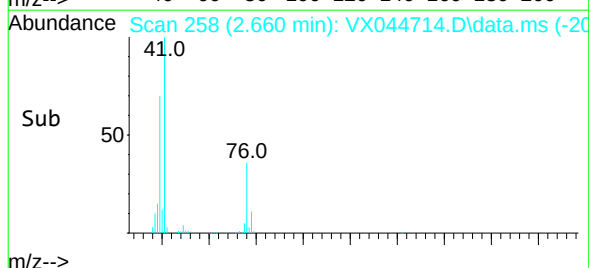
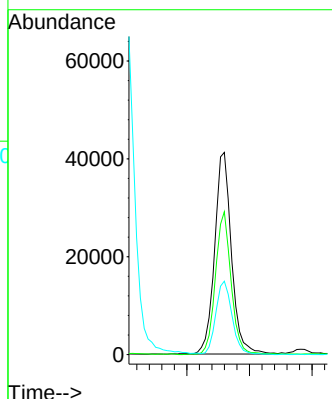
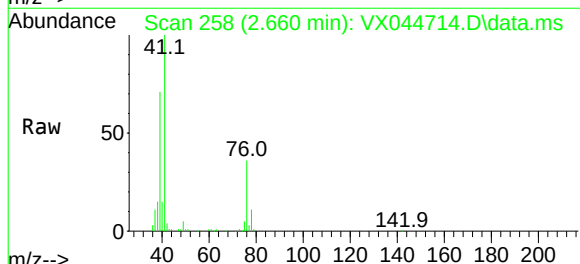
Tgt Ion: 41 Resp: 77088

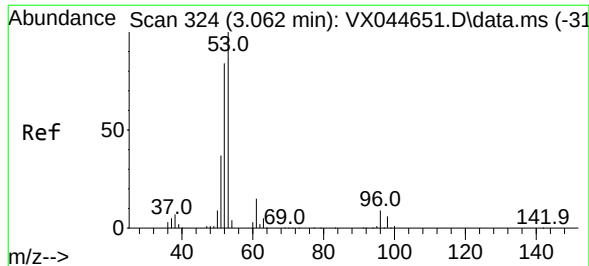
Ion Ratio Lower Upper

41 100

39 66.4 54.9 82.3

76 35.1 28.4 42.6





#15

Acrylonitrile

Concen: 90.479 ug/l

RT: 3.062 min Scan# 32

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

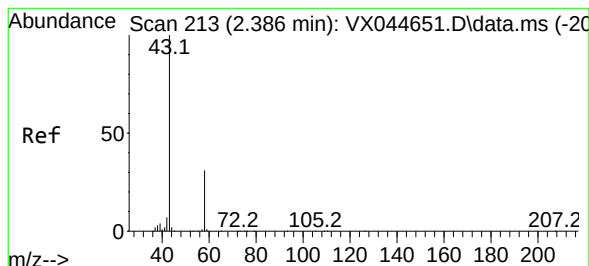
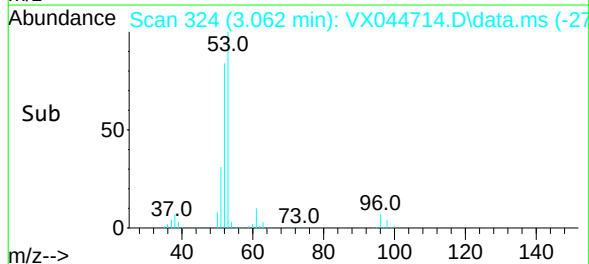
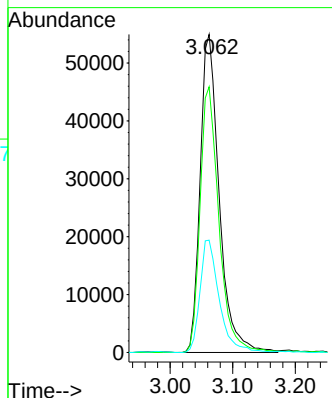
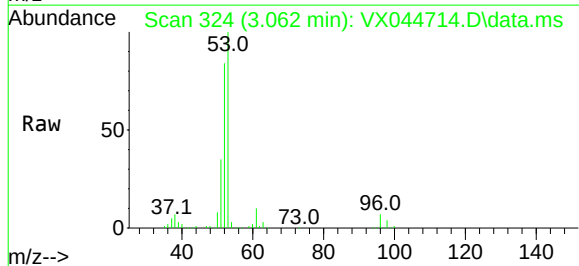
ClientSampleId :

VX0127WBS01

Tgt Ion:	53	Resp:	116149
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.0	99.0
51	35.7	28.9	43.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#16

Acetone

Concen: 80.848 ug/l

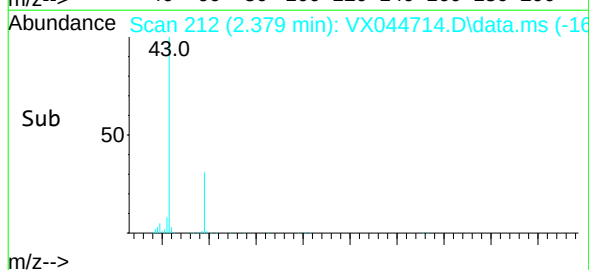
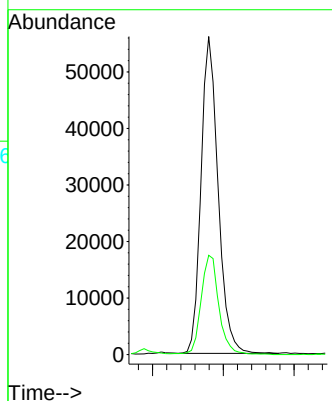
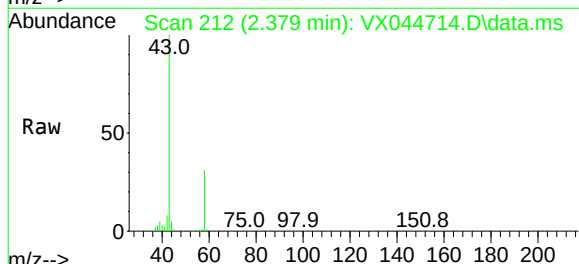
RT: 2.379 min Scan# 212

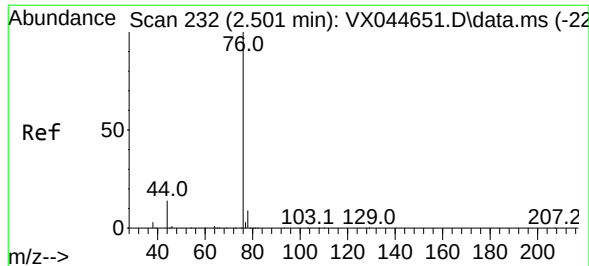
Delta R.T. -0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Tgt Ion:	43	Resp:	93908
Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.6	37.0





#17

Carbon Disulfide

Concen: 18.390 ug/l

RT: 2.501 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 76 Resp: 114283

Ion Ratio Lower Upper

76 100

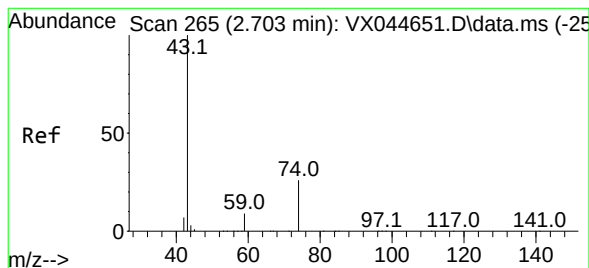
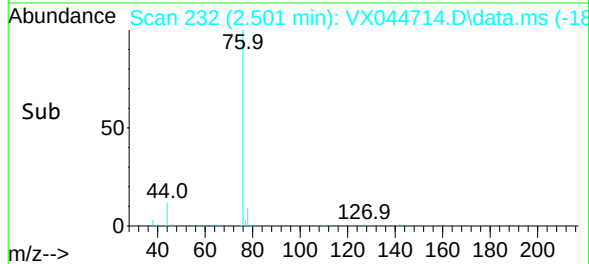
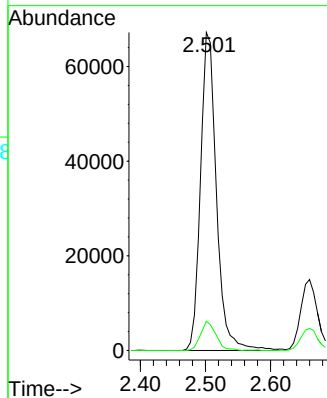
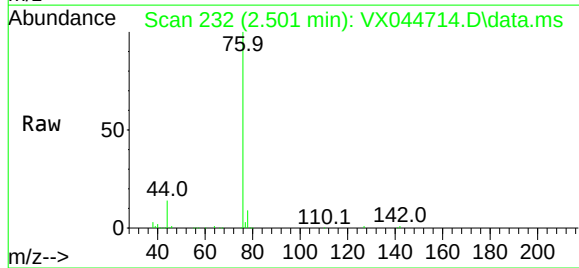
78 9.2 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#18

Methyl Acetate

Concen: 18.085 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX044714.D

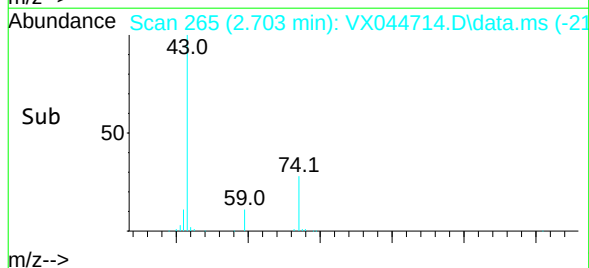
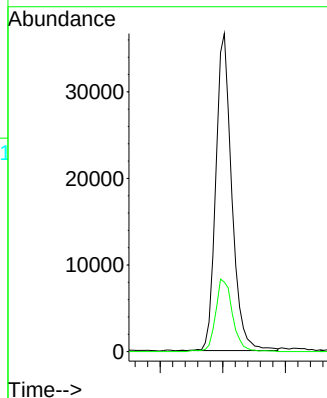
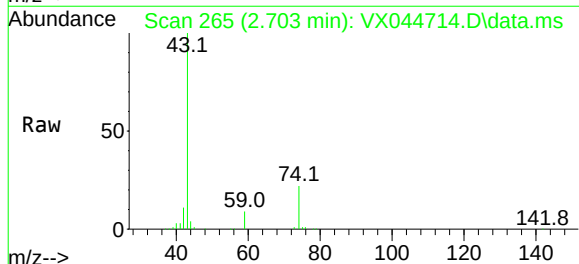
Acq: 27 Jan 2025 11:24

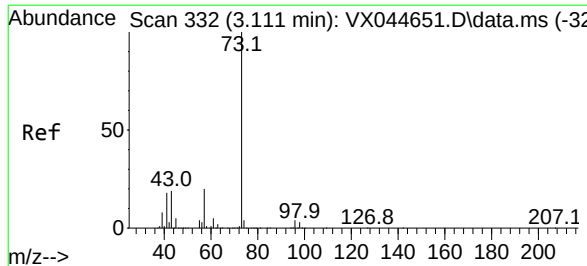
Tgt Ion: 43 Resp: 64807

Ion Ratio Lower Upper

43 100

74 24.4 19.8 29.8





#19

Methyl tert-butyl Ether

Concen: 17.211 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 73 Resp: 141976

Ion Ratio Lower Upper

73 100

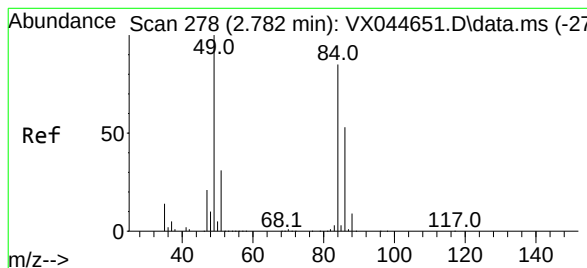
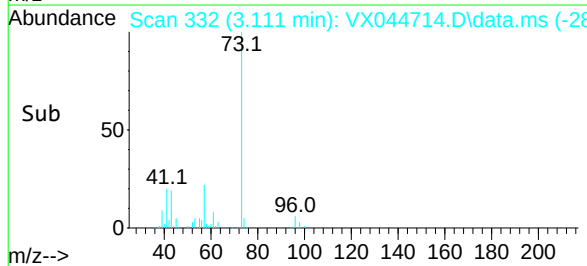
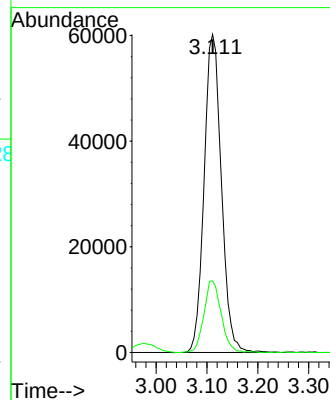
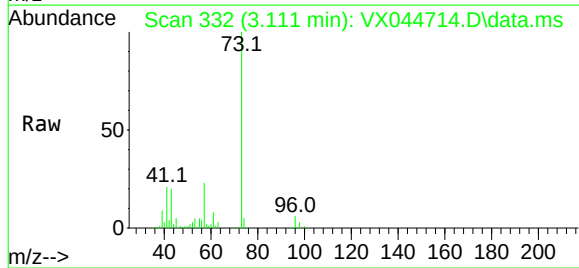
57 22.5 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#20

Methylene Chloride

Concen: 17.495 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Tgt Ion: 84 Resp: 47323

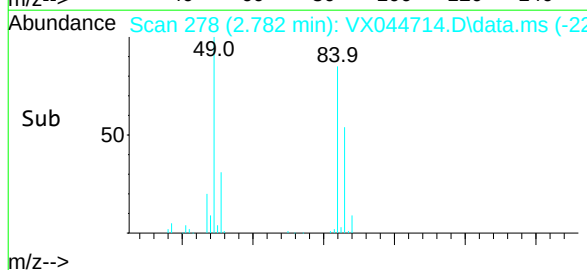
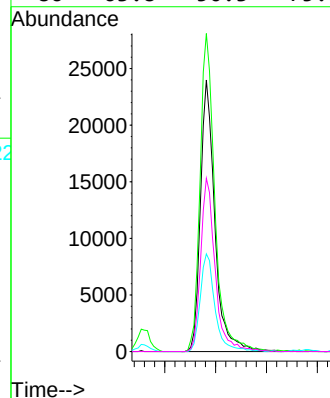
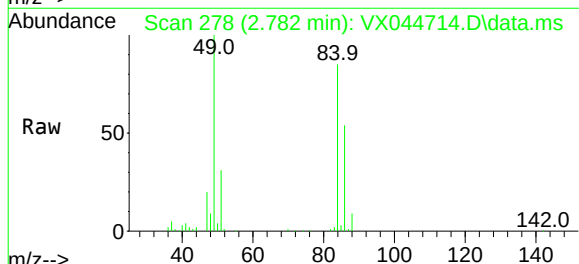
Ion Ratio Lower Upper

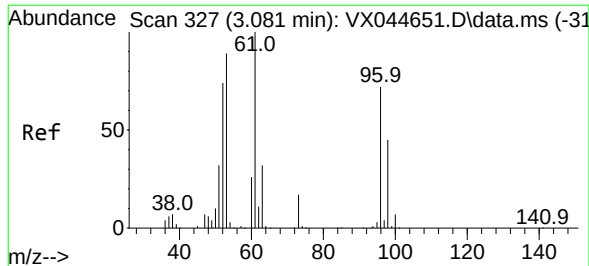
84 100

49 117.1 94.2 141.4

51 36.0 28.8 43.2

86 63.8 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 17.501 ug/l

RT: 3.087 min Scan# 327

Delta R.T. 0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 96 Resp: 41613

Ion Ratio Lower Upper

96 100

61 137.2 111.0 166.6

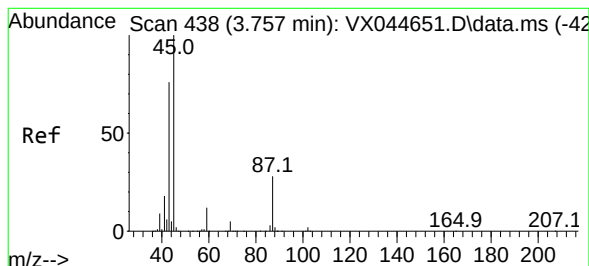
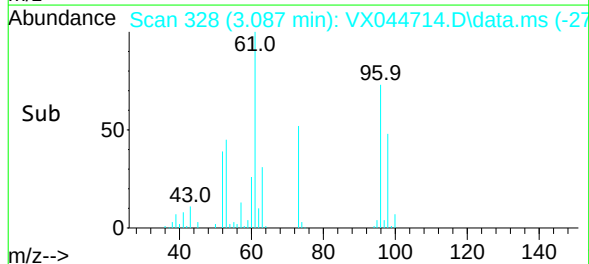
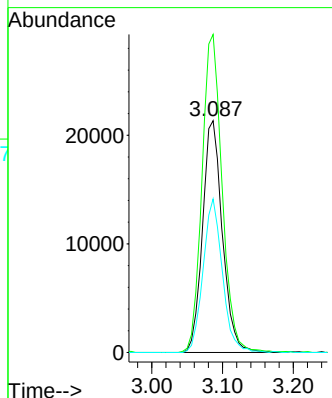
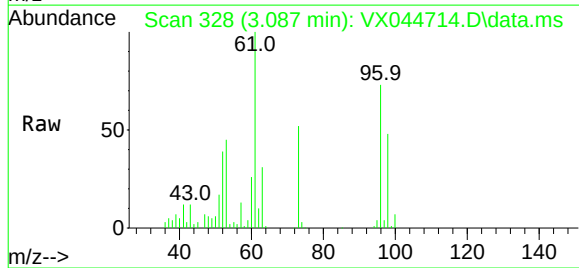
98 66.2 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#22

Diisopropyl ether

Concen: 18.916 ug/l

RT: 3.757 min Scan# 438

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Tgt Ion: 45 Resp: 145799

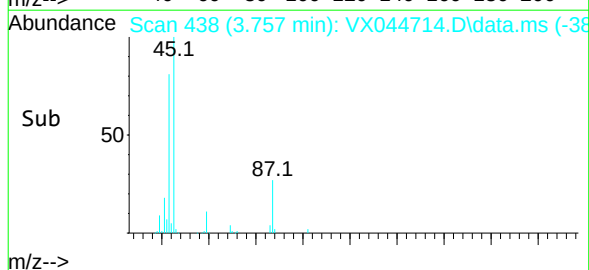
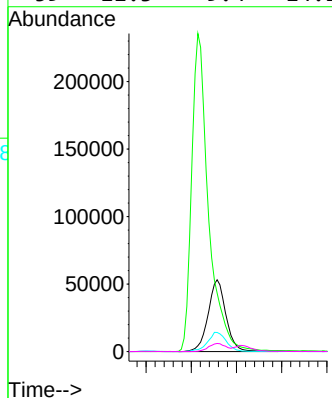
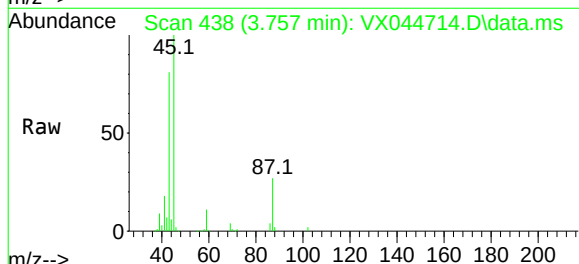
Ion Ratio Lower Upper

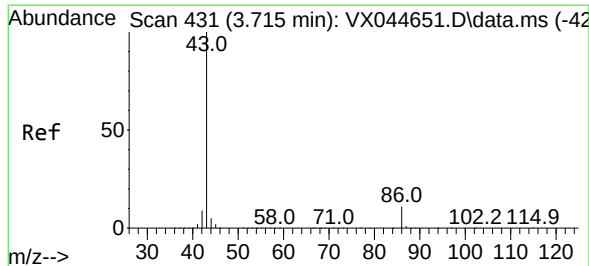
45 100

43 81.0 61.0 91.6

87 26.6 22.7 34.1

59 11.3 9.4 14.2





#23

Vinyl Acetate

Concen: 90.524 ug/l

RT: 3.715 min Scan# 43

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 43 Resp: 610713

Ion Ratio Lower Upper

43 100

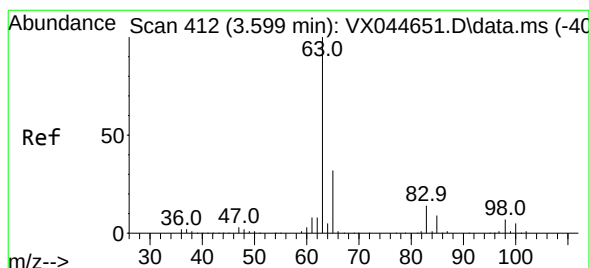
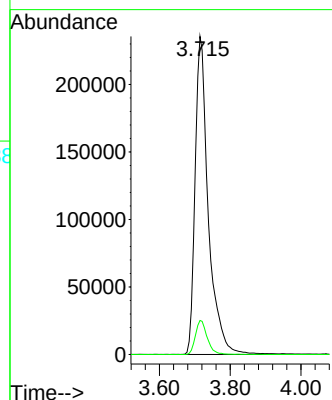
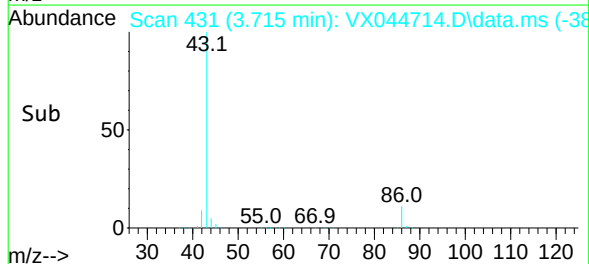
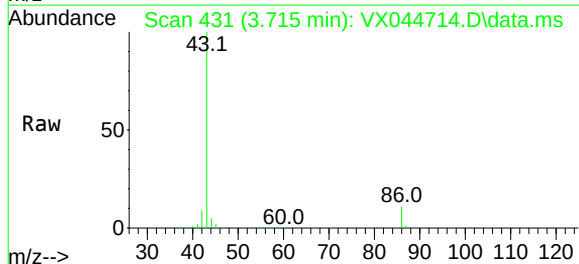
86 10.7 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#24

1,1-Dichloroethane

Concen: 17.974 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

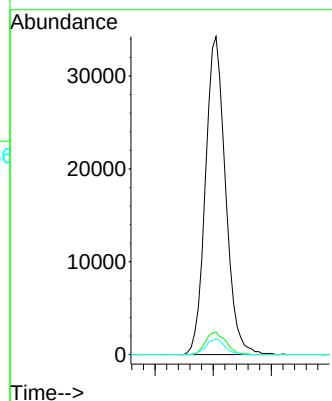
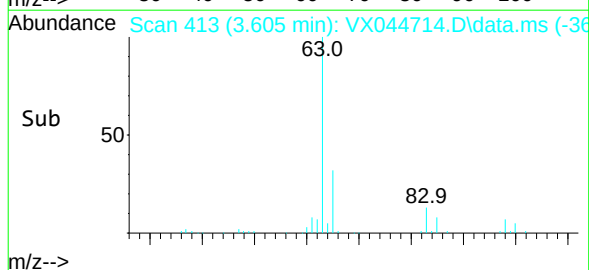
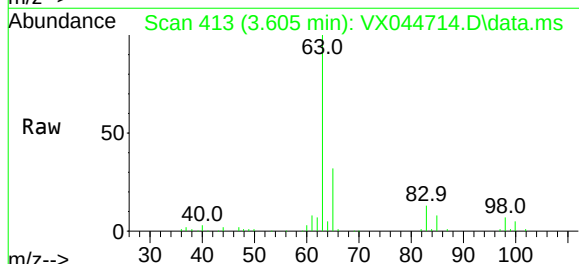
Tgt Ion: 63 Resp: 82157

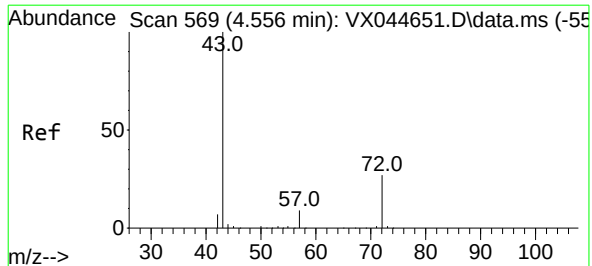
Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.9

100 4.9 2.5 7.5





#25

2-Butanone

Concen: 90.078 ug/l

RT: 4.556 min Scan# 569

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 43 Resp: 155565

Ion Ratio Lower Upper

43 100

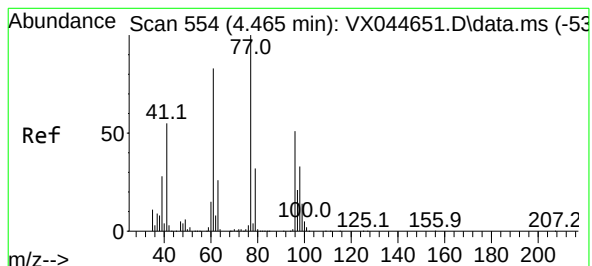
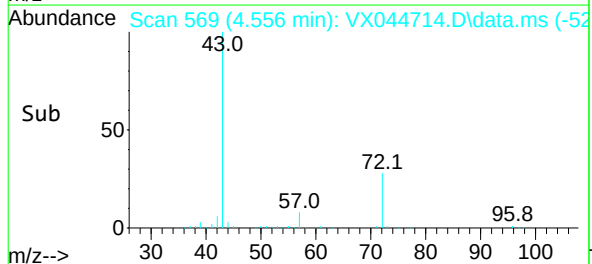
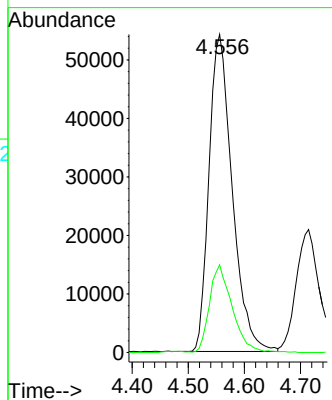
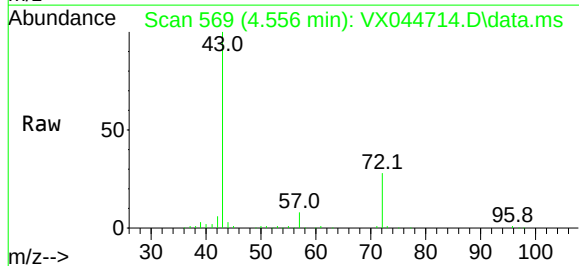
72 27.4 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#26

2,2-Dichloropropane

Concen: 15.804 ug/l

RT: 4.464 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX044714.D

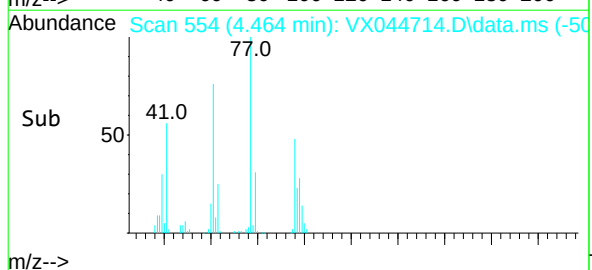
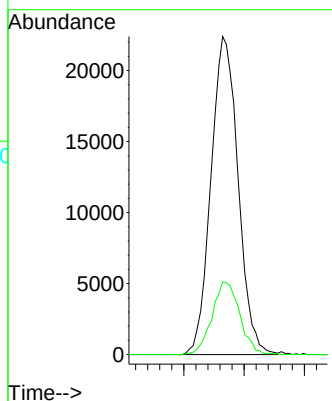
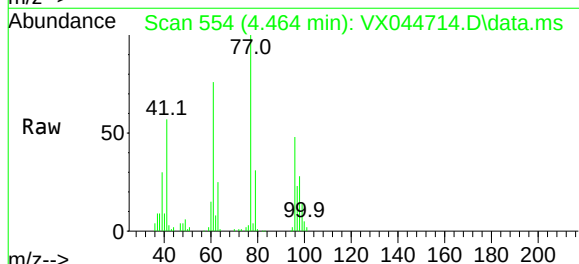
Acq: 27 Jan 2025 11:24

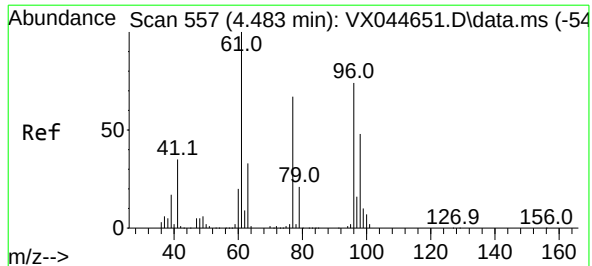
Tgt Ion: 77 Resp: 70010

Ion Ratio Lower Upper

77 100

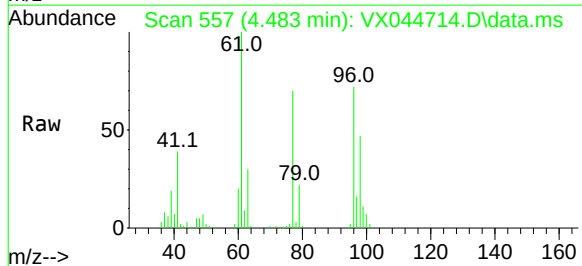
97 23.4 10.9 32.6





#27
 cis-1,2-Dichloroethene
 Concen: 17.390 ug/l
 RT: 4.483 min Scan# 557
 Delta R.T. -0.000 min
 Lab File: VX044714.D
 Acq: 27 Jan 2025 11:24

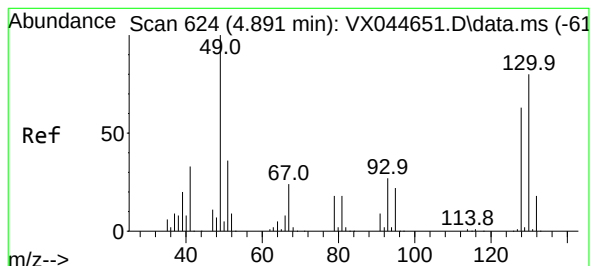
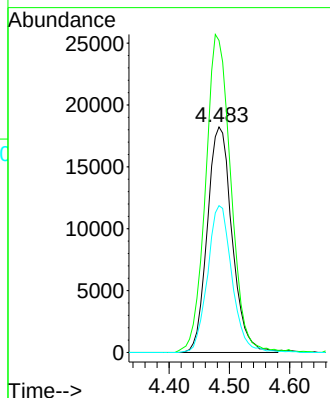
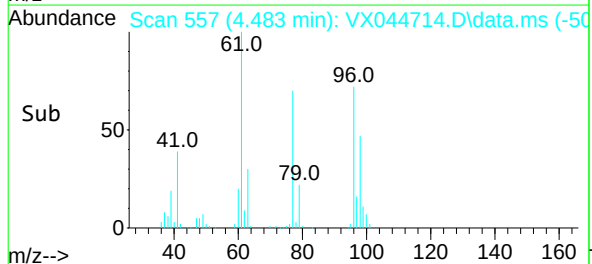
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBS01



Tgt Ion: 96 Resp: 52012
 Ion Ratio Lower Upper
 96 100
 61 144.6 0.0 296.0
 98 64.3 0.0 130.0

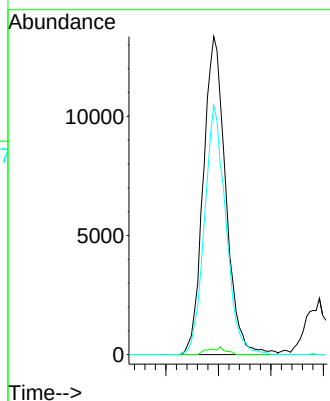
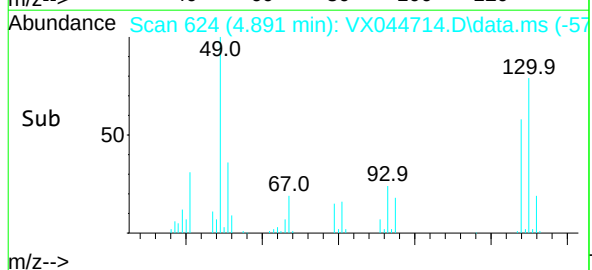
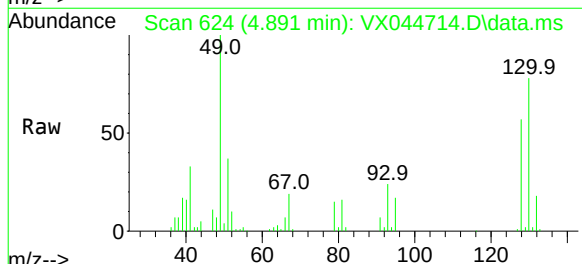
Manual Integrations
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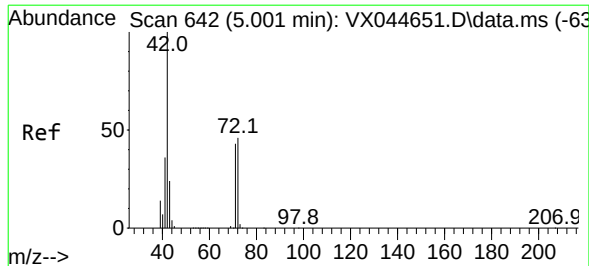
Reviewed By :John Carlone 01/28/2025
 Supervised By :Mahesh Dadoda 01/28/2025



#28
 Bromochloromethane
 Concen: 18.575 ug/l
 RT: 4.891 min Scan# 624
 Delta R.T. -0.000 min
 Lab File: VX044714.D
 Acq: 27 Jan 2025 11:24

Tgt Ion: 49 Resp: 39674
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 4.4
 130 74.9 63.4 95.2





#29

Tetrahydrofuran

Concen: 90.213 ug/l

RT: 5.001 min Scan# 642

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 42 Resp: 100494

Ion Ratio Lower Upper

42 100

72 46.0 38.2 57.4

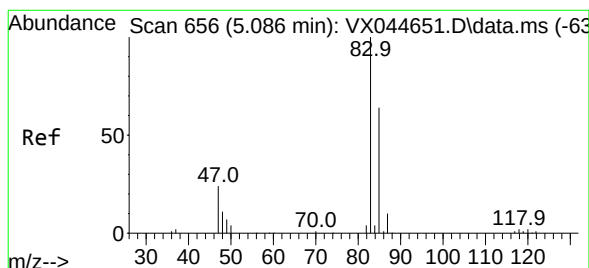
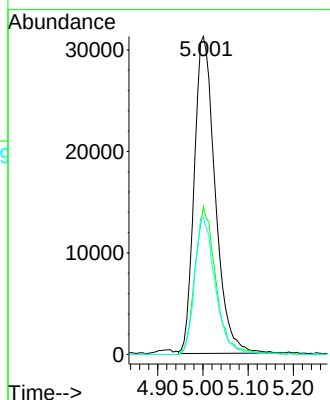
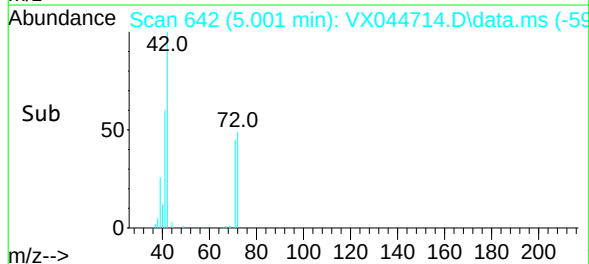
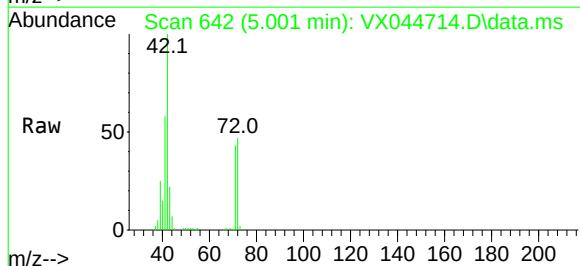
71 42.8 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#30

Chloroform

Concen: 17.339 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX044714.D

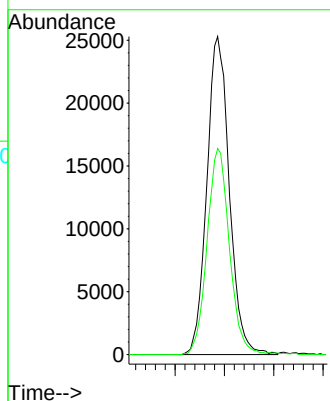
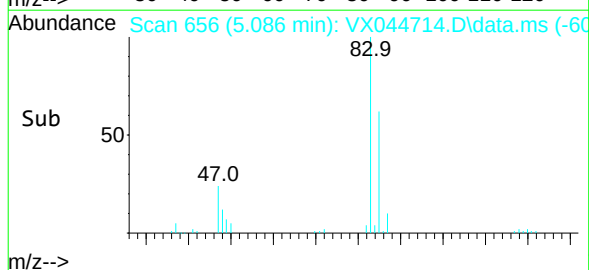
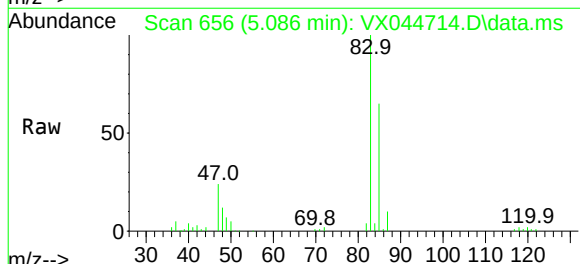
Acq: 27 Jan 2025 11:24

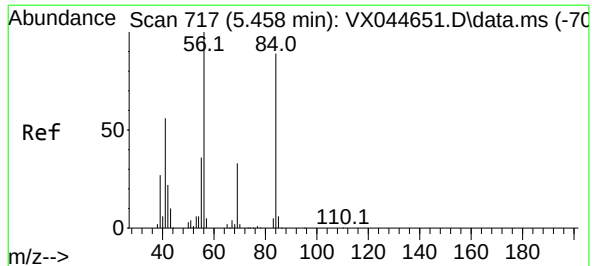
Tgt Ion: 83 Resp: 79982

Ion Ratio Lower Upper

83 100

85 64.8 51.2 76.8





#31

Cyclohexane

Concen: 20.018 ug/l

RT: 5.464 min Scan# 717

Delta R.T. 0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 56 Resp: 74004

Ion Ratio Lower Upper

56 100

69 31.6 26.8 40.2

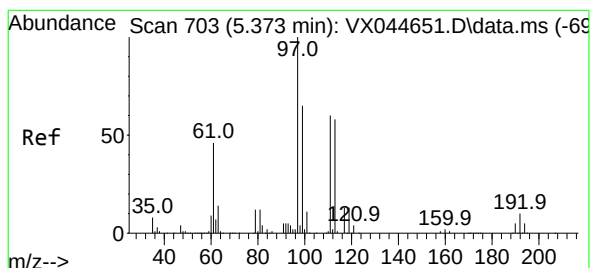
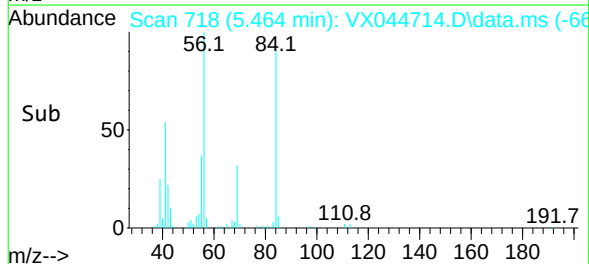
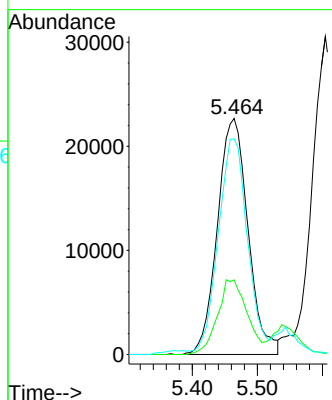
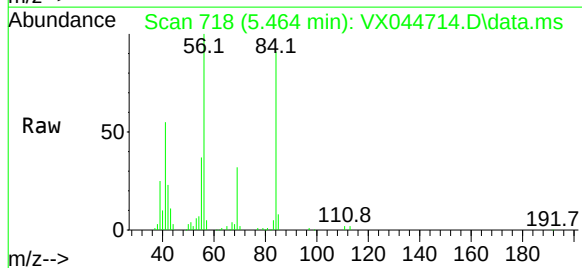
84 89.8 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#32

1,1,1-Trichloroethane

Concen: 16.122 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

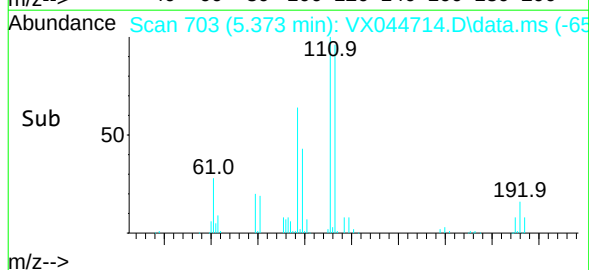
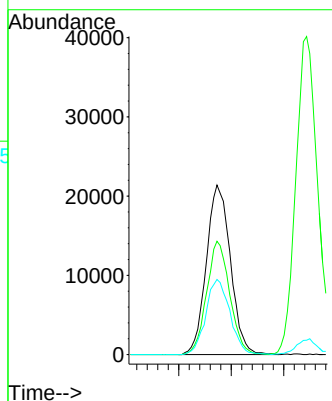
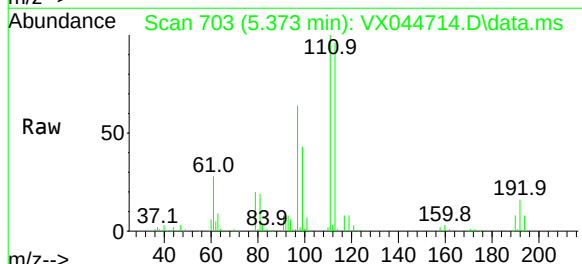
Tgt Ion: 97 Resp: 68369

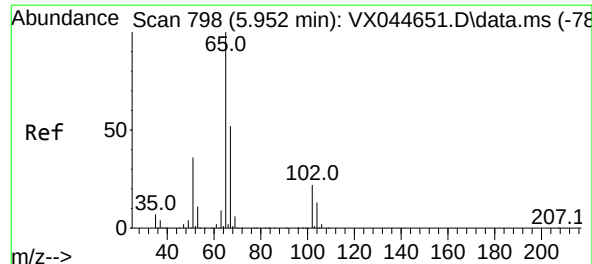
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 44.4 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 41.574 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 65 Resp: 122056

Ion Ratio Lower Upper

65 100

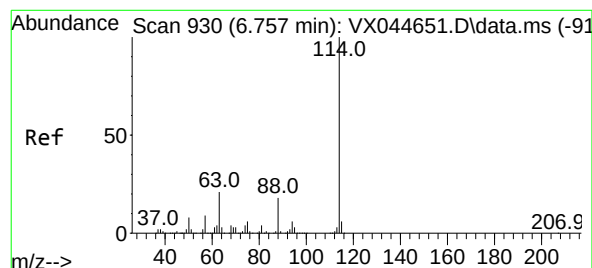
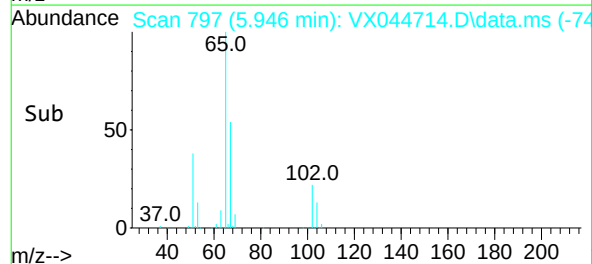
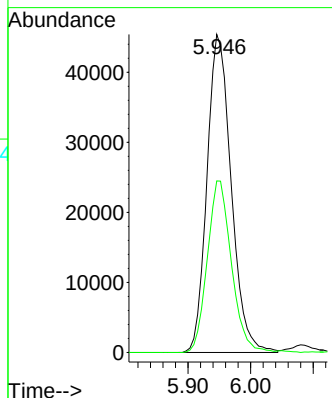
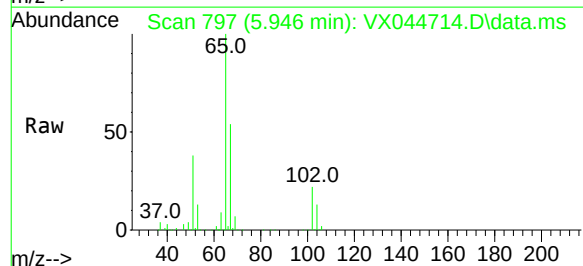
67 53.7 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

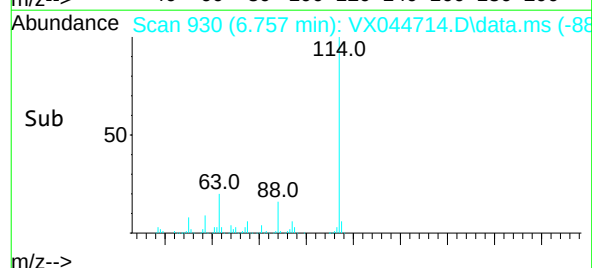
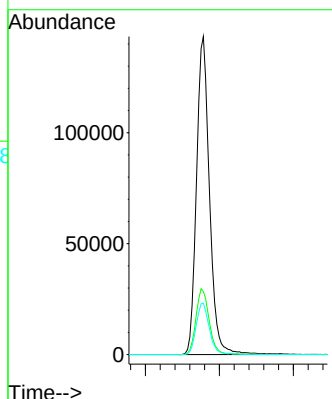
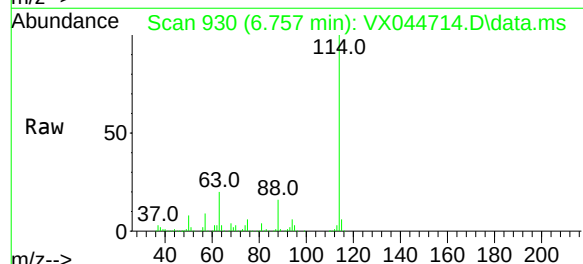
Tgt Ion:114 Resp: 349402

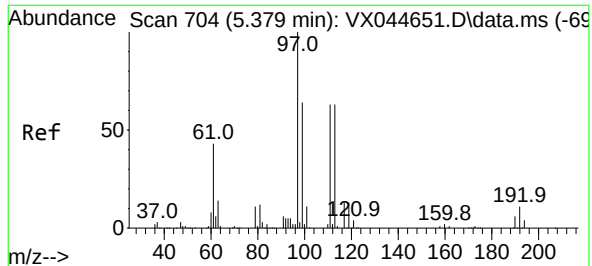
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.0

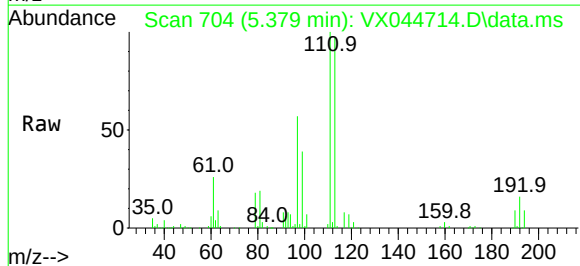
88 16.2 0.0 35.4





#35
Dibromofluoromethane
Concen: 45.811 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

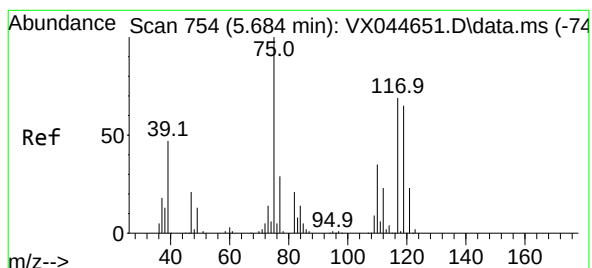
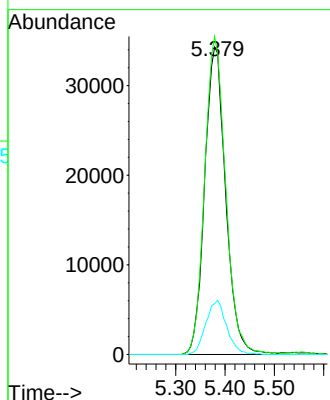
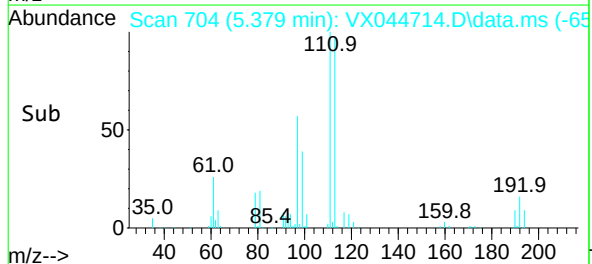
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01



Tgt Ion: 113 Resp: 101687
Ion Ratio Lower Upper
113 100
111 103.5 81.6 122.4
192 17.4 14.4 21.6

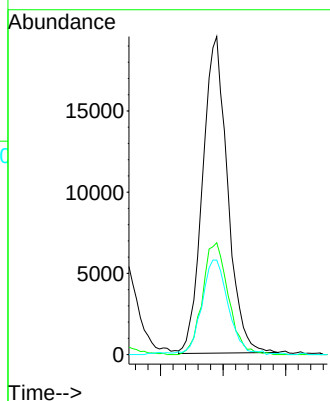
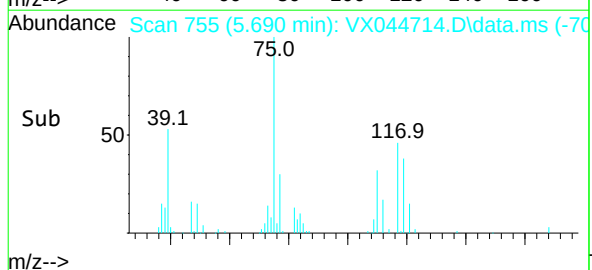
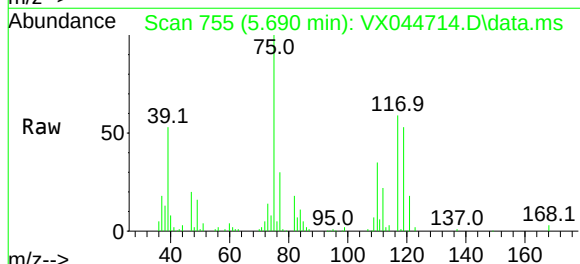
Manual Integrations
APPROVED

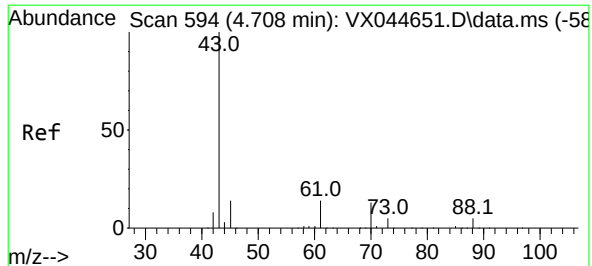
Reviewed By : John Carlone 01/28/2025
Supervised By : Mahesh Dadoda 01/28/2025



#36
1,1-Dichloropropene
Concen: 17.510 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 75 Resp: 54103
Ion Ratio Lower Upper
75 100
110 36.5 17.9 53.8
77 31.0 24.5 36.7





#37

Ethyl Acetate

Concen: 18.069 ug/l

RT: 4.714 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

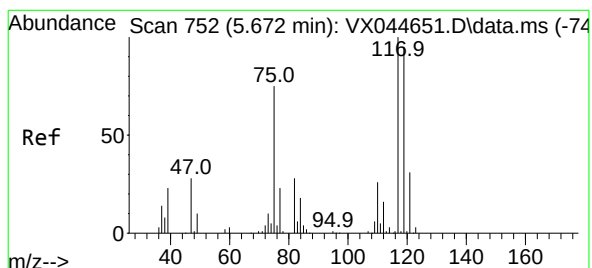
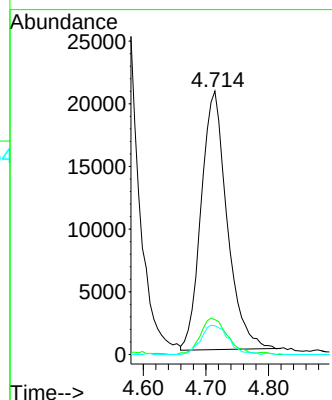
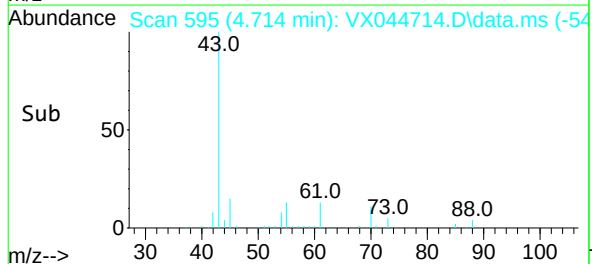
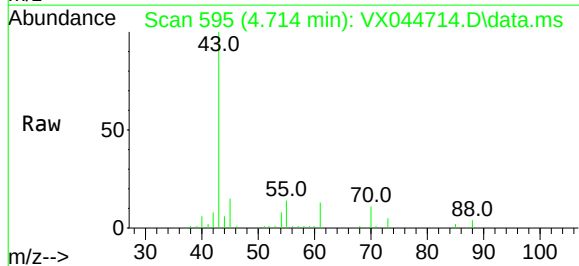
ClientSampleId :

VX0127WBS01

Tgt Ion:	43	Resp:	59455
Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.9	16.3
70	11.9	10.1	15.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#38

Carbon Tetrachloride

Concen: 16.744 ug/l

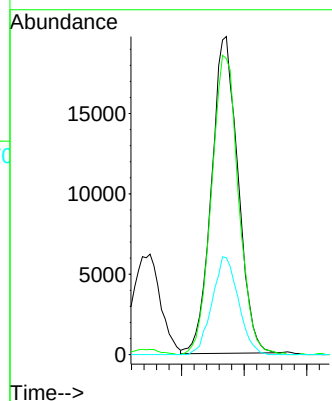
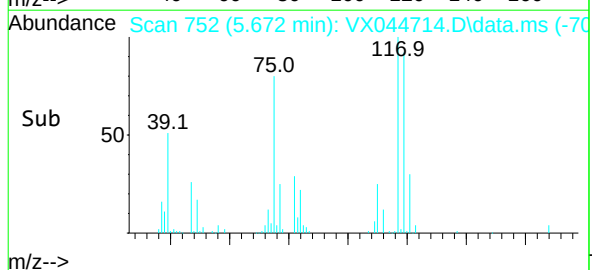
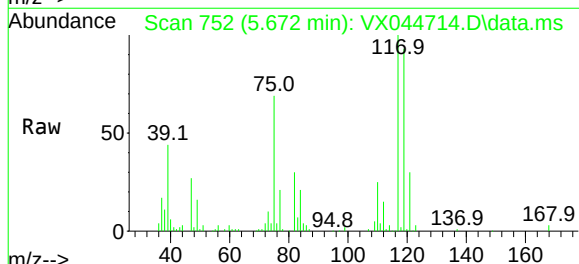
RT: 5.672 min Scan# 752

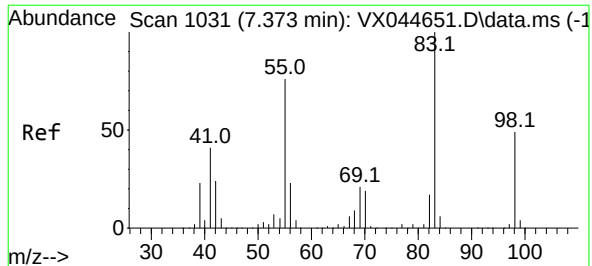
Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Tgt Ion:	117	Resp:	58196
Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.0	114.0
121	30.6	24.6	36.8





#39

Methylcyclohexane

Concen: 18.324 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 83 Resp: 75160

Ion Ratio Lower Upper

83 100

55 76.1 60.5 90.7

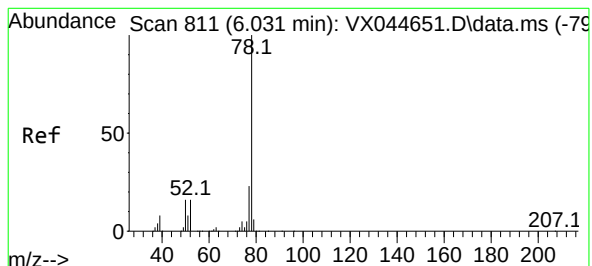
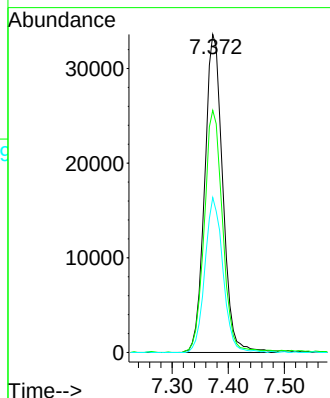
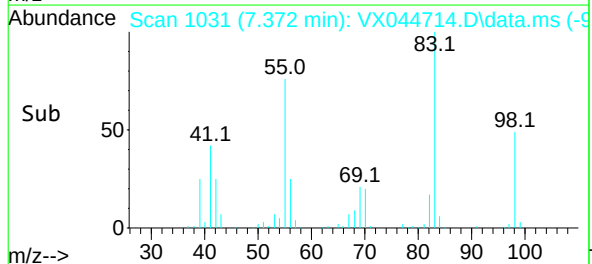
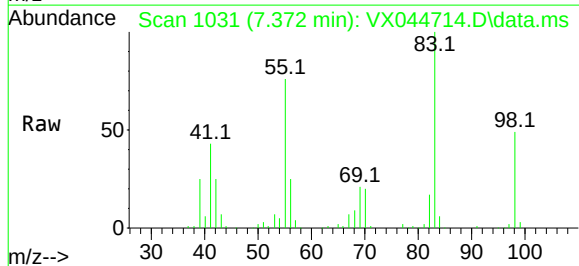
98 48.7 39.0 58.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#40

Benzene

Concen: 18.544 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX044714.D

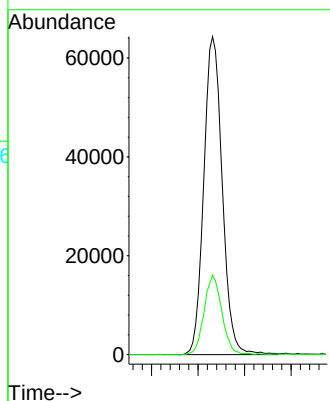
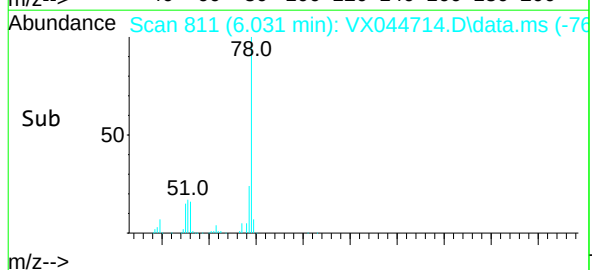
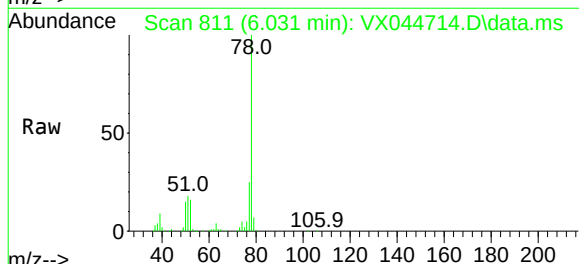
Acq: 27 Jan 2025 11:24

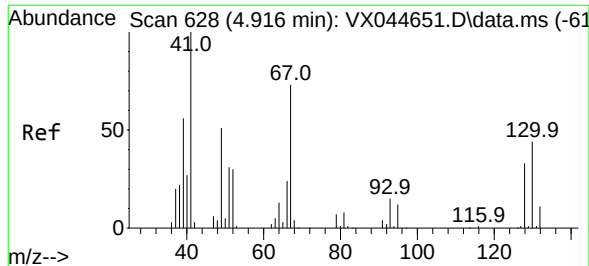
Tgt Ion: 78 Resp: 177558

Ion Ratio Lower Upper

78 100

77 25.0 18.7 28.1





#41

Methacrylonitrile

Concen: 17.612 ug/l

RT: 4.916 min Scan# 62

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 41 Resp: 33769

Ion Ratio Lower Upper

41 100

39 55.4 44.4 66.6

67 74.5 60.6 90.8

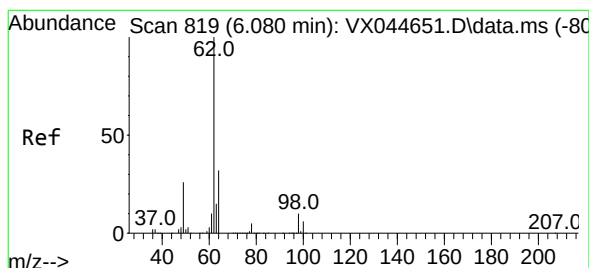
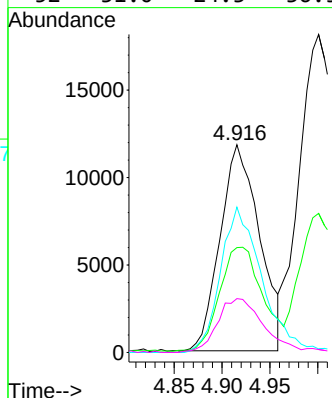
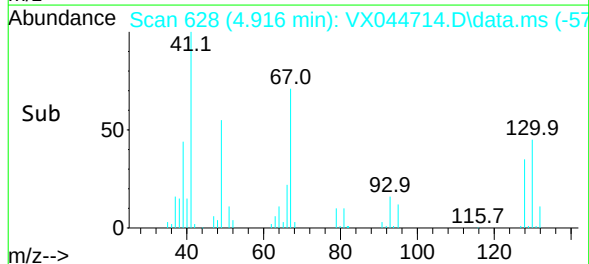
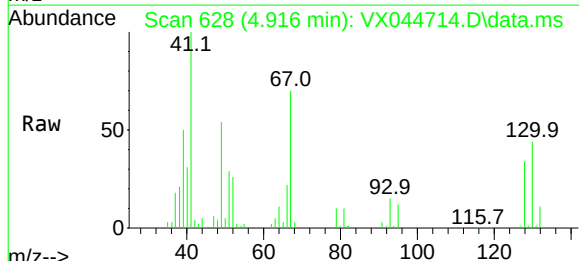
52 31.0 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#42

1,2-Dichloroethane

Concen: 16.294 ug/l

RT: 6.080 min Scan# 819

Delta R.T. -0.000 min

Lab File: VX044714.D

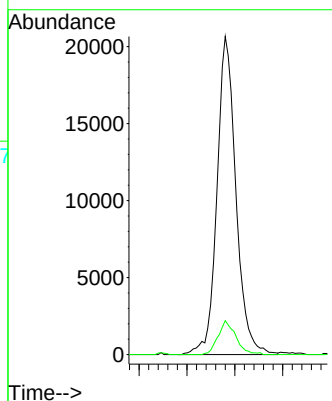
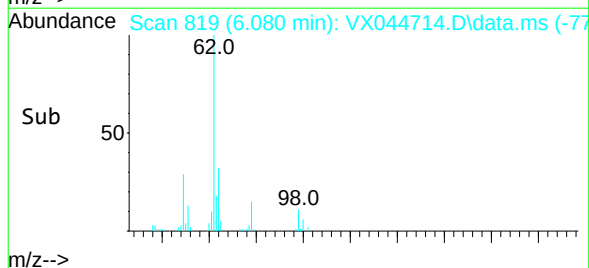
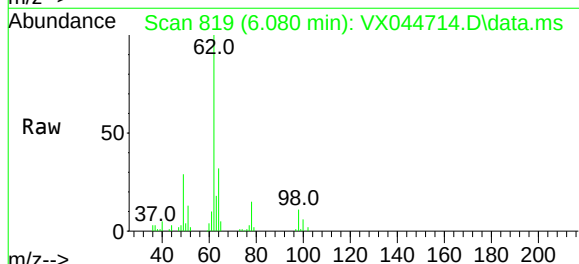
Acq: 27 Jan 2025 11:24

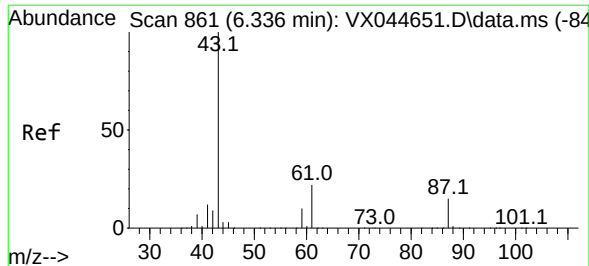
Tgt Ion: 62 Resp: 56940

Ion Ratio Lower Upper

62 100

98 10.0 0.0 19.4





#43

Isopropyl Acetate

Concen: 17.670 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 43 Resp: 106960

Ion Ratio Lower Upper

43 100

61 20.9 16.6 24.8

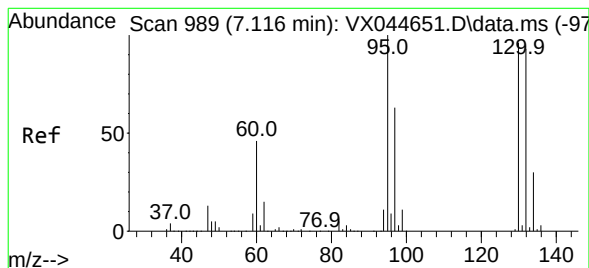
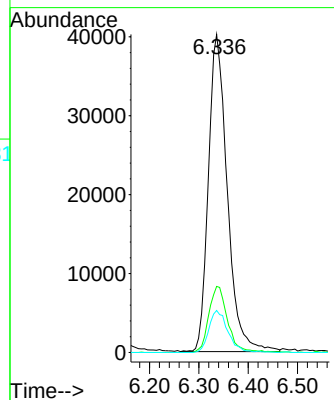
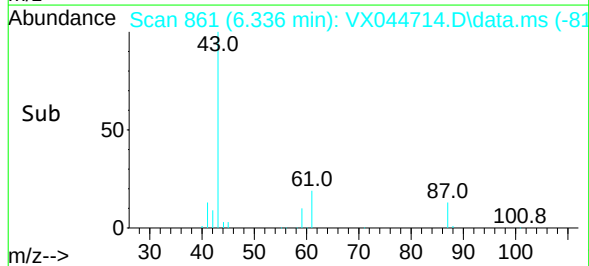
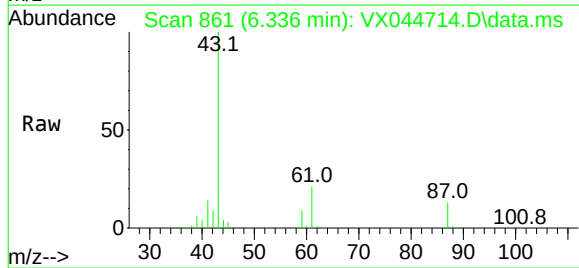
87 13.2 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#44

Trichloroethene

Concen: 17.501 ug/l

RT: 7.122 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX044714.D

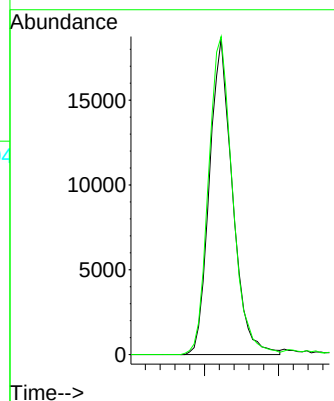
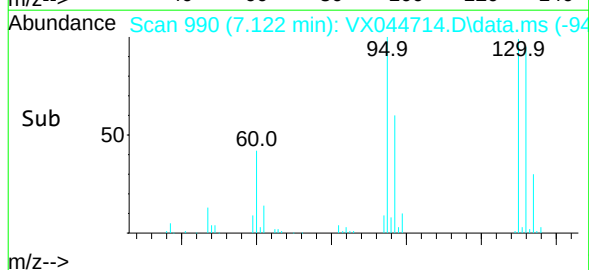
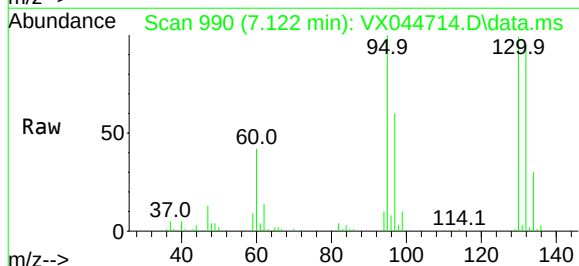
Acq: 27 Jan 2025 11:24

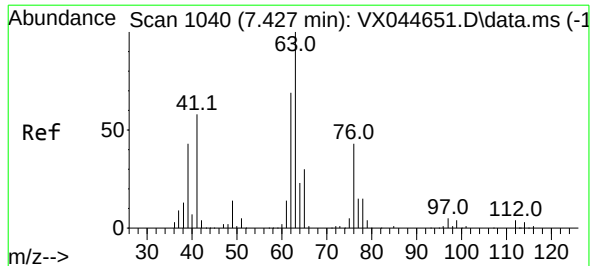
Tgt Ion:130 Resp: 40285

Ion Ratio Lower Upper

130 100

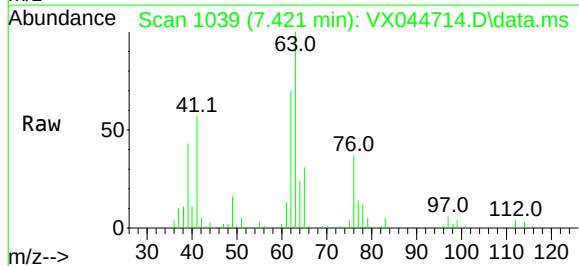
95 100.8 0.0 208.2





#45
1,2-Dichloropropane
Concen: 18.632 ug/l
RT: 7.421 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

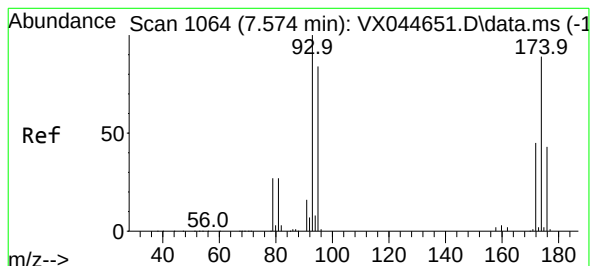
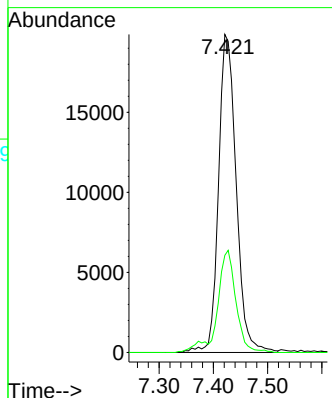
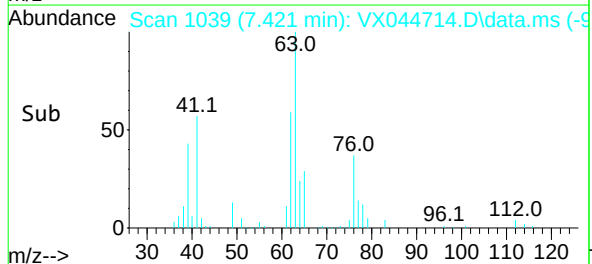
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01



Tgt Ion: 63 Resp: 44906
Ion Ratio Lower Upper
63 100
65 30.6 24.2 36.2

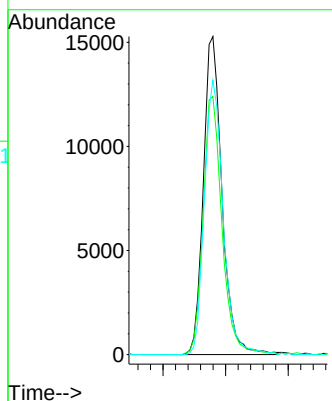
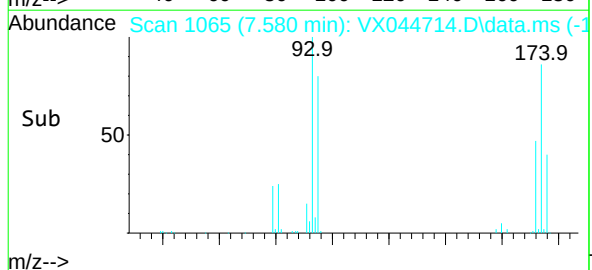
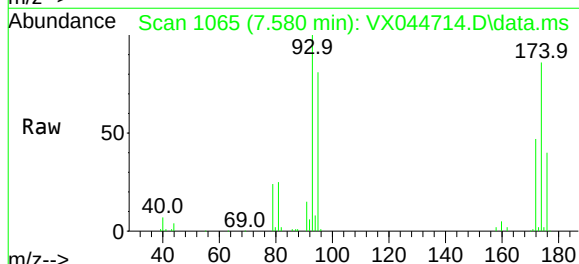
Manual Integrations
APPROVED

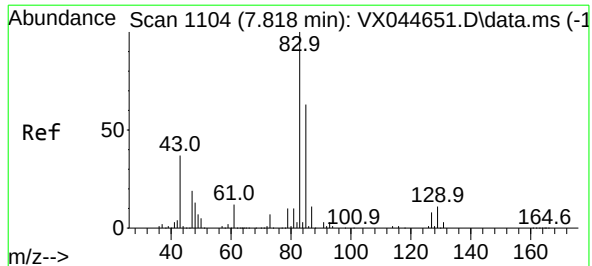
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#46
Dibromomethane
Concen: 17.306 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 93 Resp: 31751
Ion Ratio Lower Upper
93 100
95 82.1 66.4 99.6
174 86.9 72.0 108.0





#47

Bromodichloromethane

Concen: 17.015 ug/l

RT: 7.817 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 83 Resp: 64021

Ion Ratio Lower Upper

83 100

85 63.6 50.1 75.1

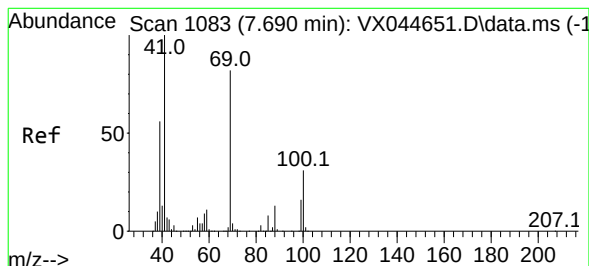
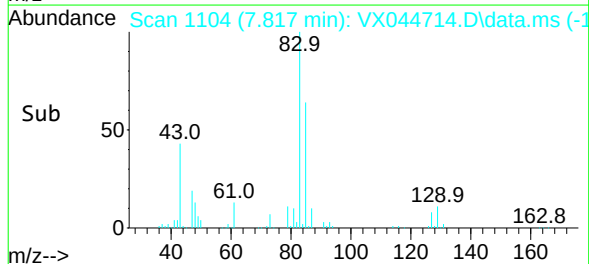
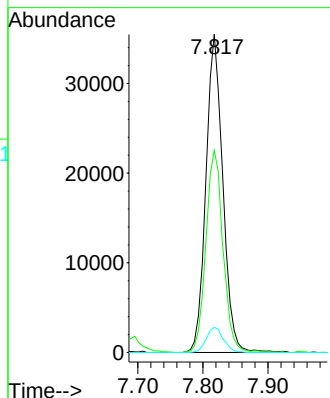
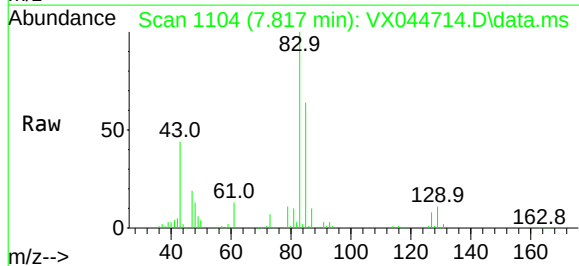
127 7.9 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#48

Methyl methacrylate

Concen: 17.957 ug/l

RT: 7.689 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

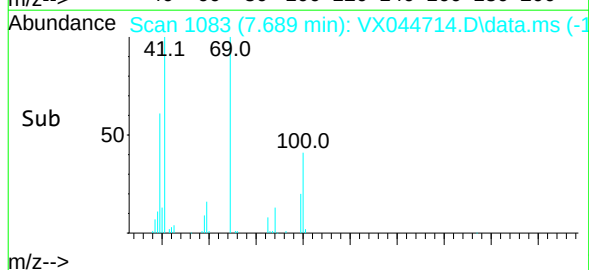
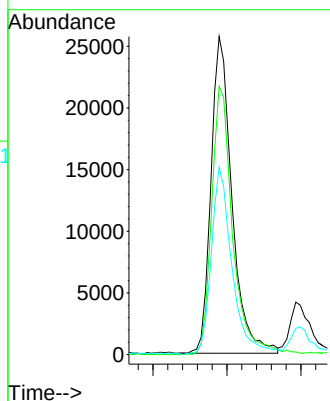
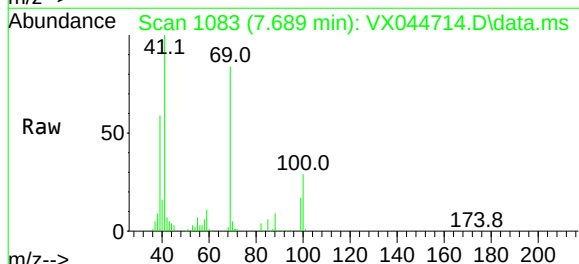
Tgt Ion: 41 Resp: 50455

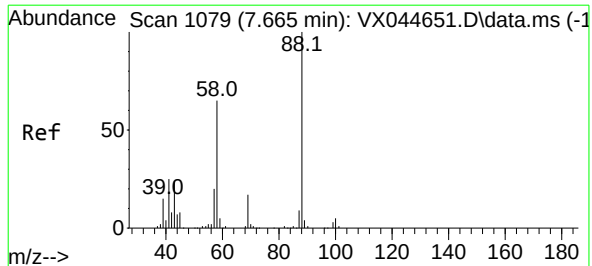
Ion Ratio Lower Upper

41 100

69 85.4 66.8 100.2

39 58.3 47.4 71.0





#49

1,4-Dioxane

Concen: 381.373 ug/l

RT: 7.659 min Scan# 1079

Delta R.T. -0.006 min

Lab File: VX044714.D

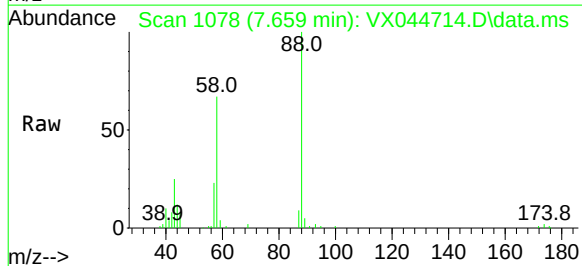
Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01



Tgt Ion: 88 Resp: 22357

Ion Ratio Lower Upper

88 100

43 32.9 27.0 40.4

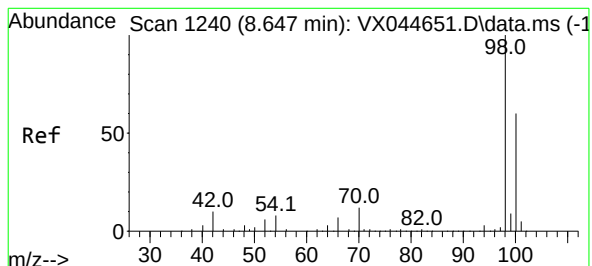
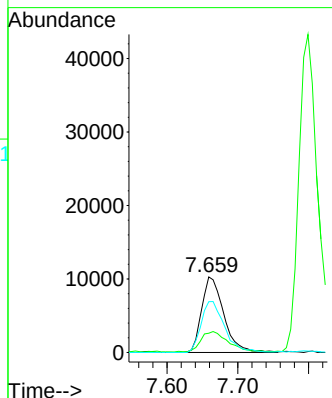
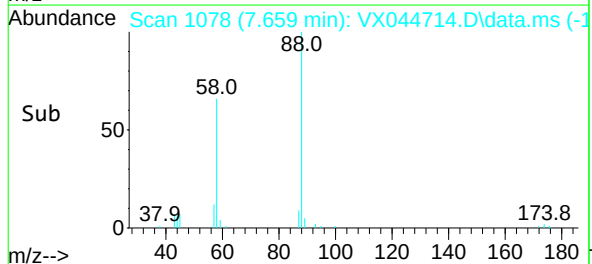
58 71.3 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#50

Toluene-d8

Concen: 48.375 ug/l

RT: 8.640 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX044714.D

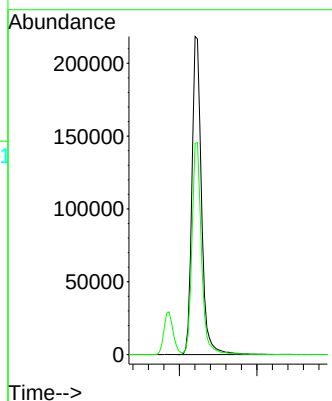
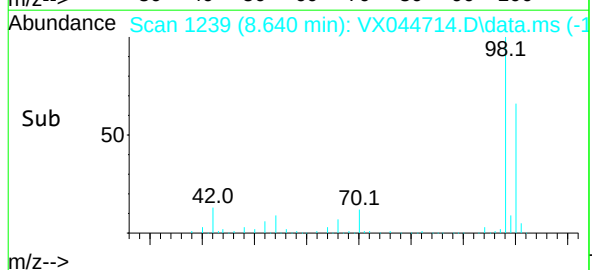
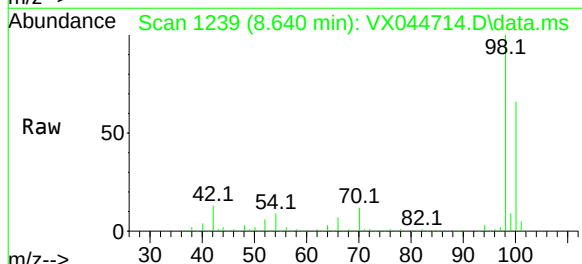
Acq: 27 Jan 2025 11:24

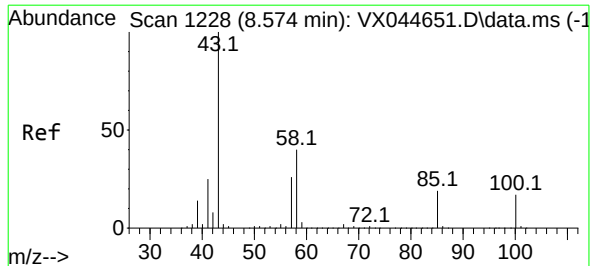
Tgt Ion: 98 Resp: 374408

Ion Ratio Lower Upper

98 100

100 66.4 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 95.928 ug/l

RT: 8.567 min Scan# 1228

Delta R.T. -0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 43 Resp: 320897

Ion Ratio Lower Upper

43 100

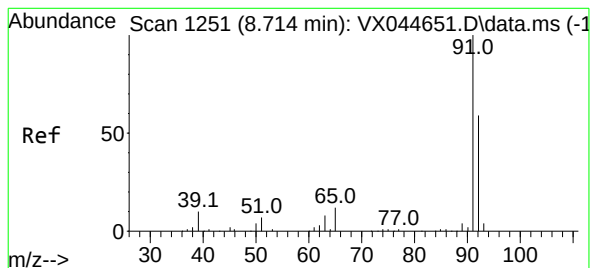
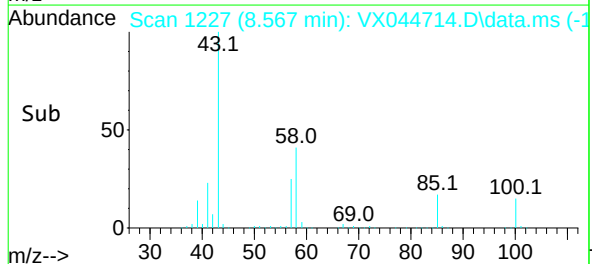
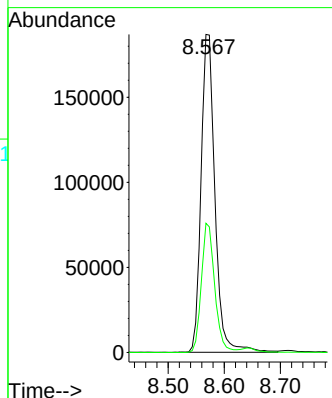
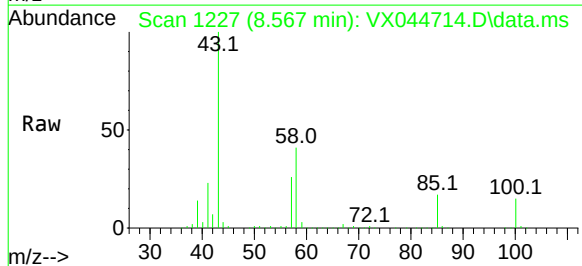
58 39.1 31.9 47.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#52

Toluene

Concen: 18.310 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX044714.D

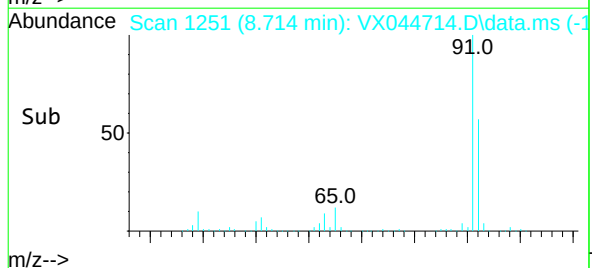
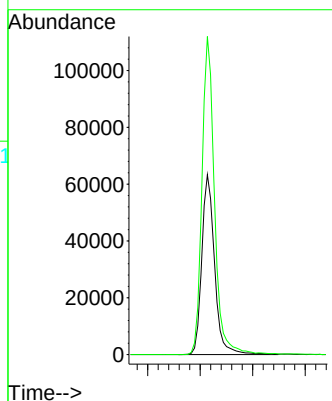
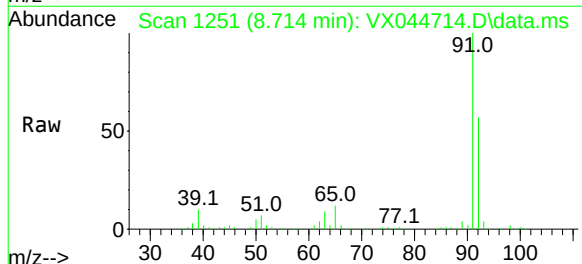
Acq: 27 Jan 2025 11:24

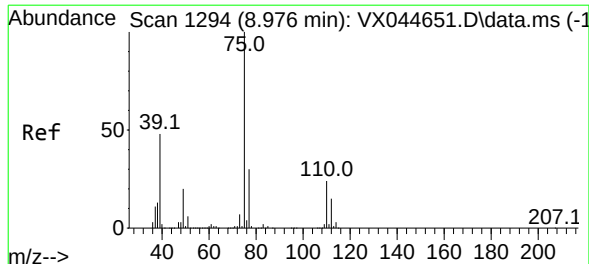
Tgt Ion: 92 Resp: 107306

Ion Ratio Lower Upper

92 100

91 173.3 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 17.231 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 75 Resp: 66983

Ion Ratio Lower Upper

75 100

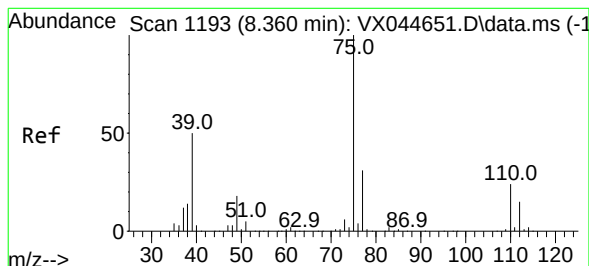
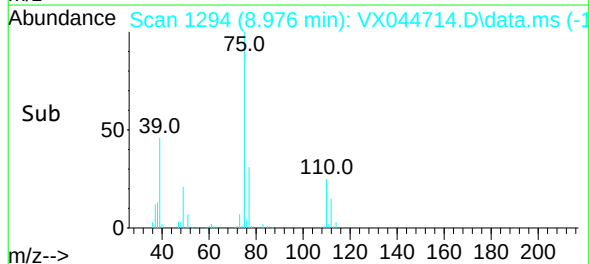
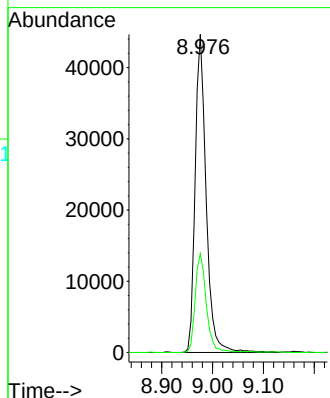
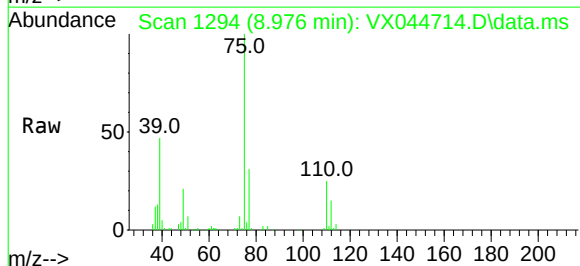
77 31.1 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#54

cis-1,3-Dichloropropene

Concen: 17.484 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

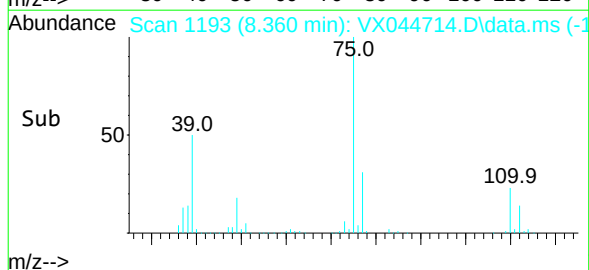
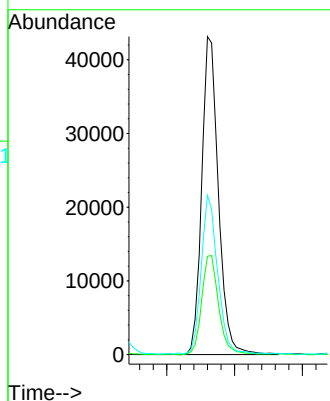
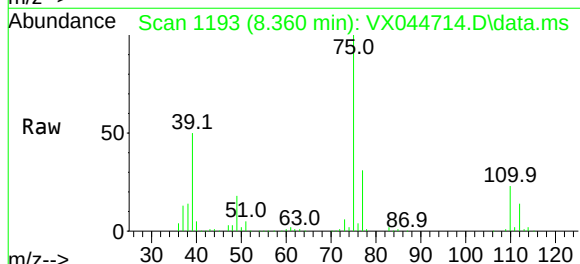
Tgt Ion: 75 Resp: 73698

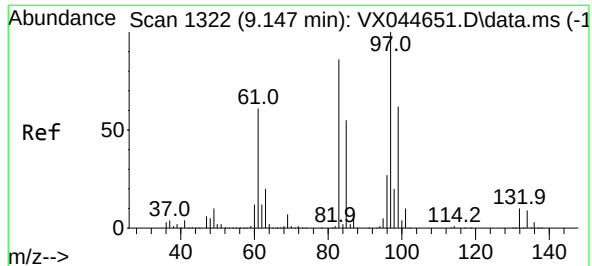
Ion Ratio Lower Upper

75 100

77 30.9 25.1 37.7

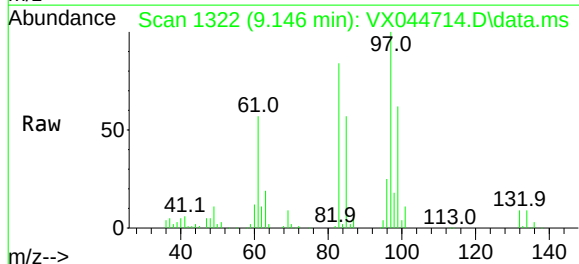
39 49.7 40.3 60.5





#55
1,1,2-Trichloroethane
Concen: 18.277 ug/l
RT: 9.146 min Scan# 1322
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

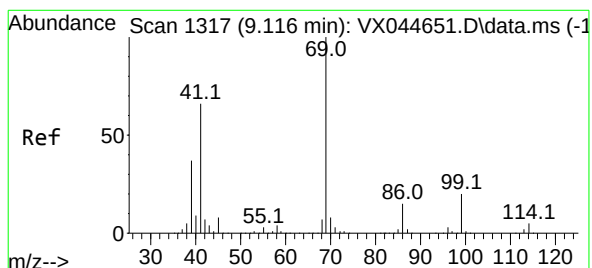
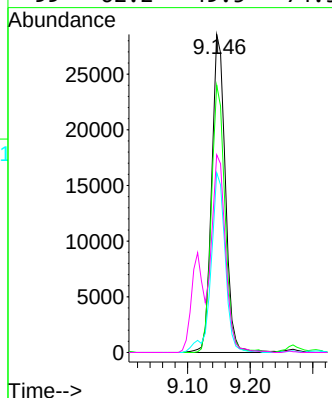
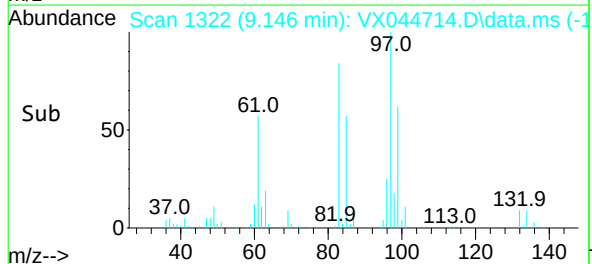
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01



Tgt Ion: 97 Resp: 43335
Ion Ratio Lower Upper
97 100
83 84.1 68.8 103.2
85 56.5 43.7 65.5
99 62.2 49.5 74.3

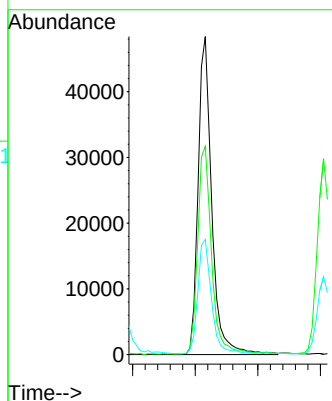
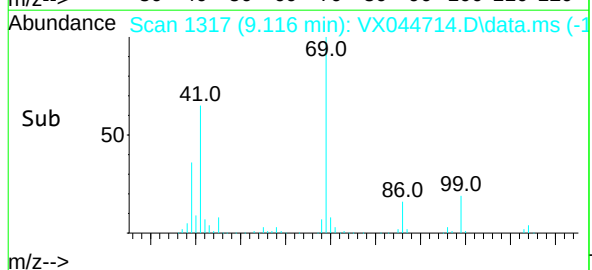
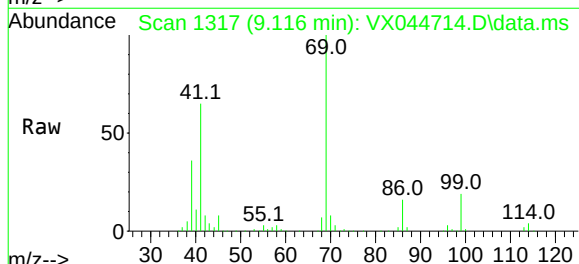
Manual Integrations
APPROVED

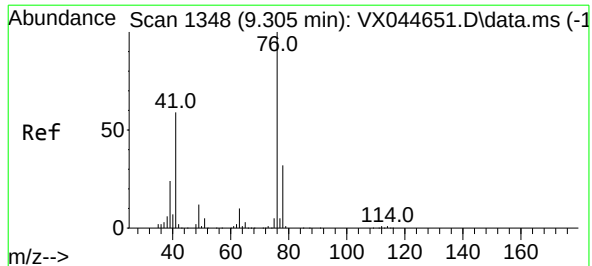
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#56
Ethyl methacrylate
Concen: 17.970 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 69 Resp: 73260
Ion Ratio Lower Upper
69 100
41 66.6 53.2 79.8
39 35.9 30.2 45.2





#57

1,3-Dichloropropane

Concen: 18.173 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 76 Resp: 73374

Ion Ratio Lower Upper

76 100

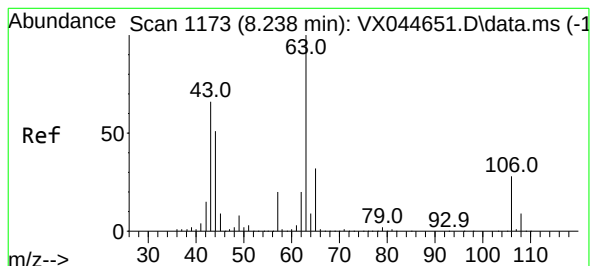
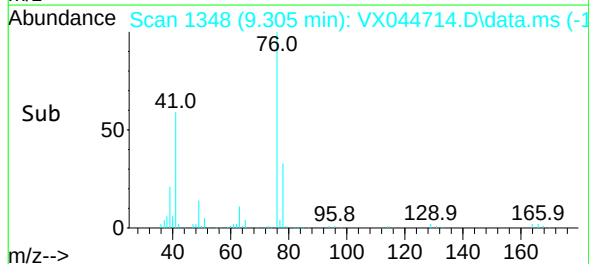
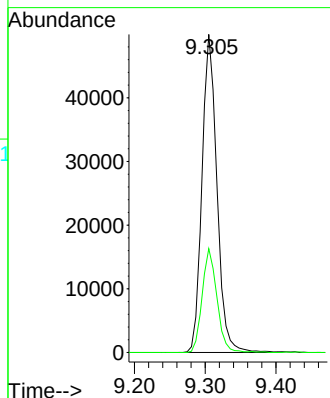
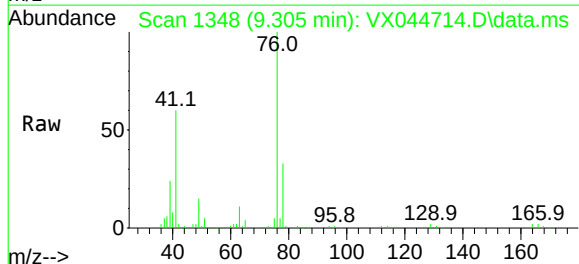
78 32.2 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#58

2-Chloroethyl Vinyl ether

Concen: 77.714 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX044714.D

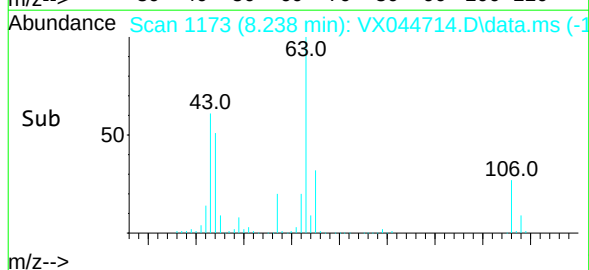
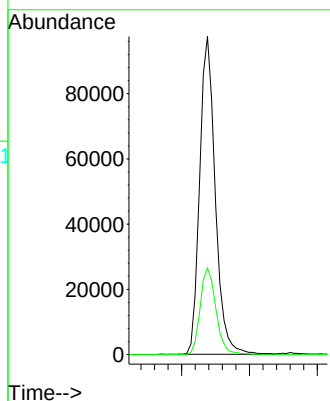
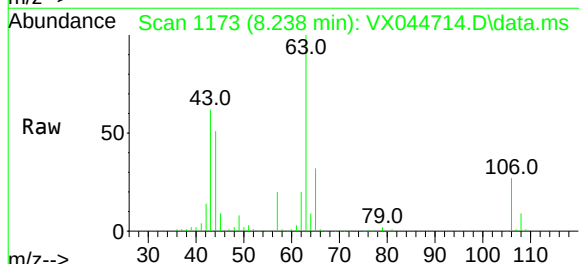
Acq: 27 Jan 2025 11:24

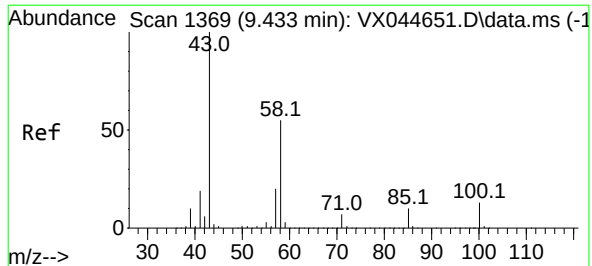
Tgt Ion: 63 Resp: 155542

Ion Ratio Lower Upper

63 100

106 27.6 23.0 34.6





#59

2-Hexanone

Concen: 95.563 ug/l

RT: 9.427 min Scan# 1369

Delta R.T. -0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Tgt Ion: 43 Resp: 235185

Ion Ratio Lower Upper

43 100

58 55.3 27.8 83.3

Instrument :

MSVOA_X

ClientSampleId :

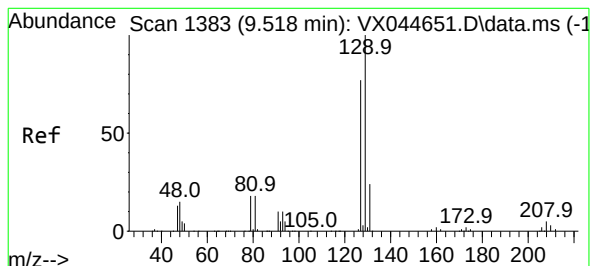
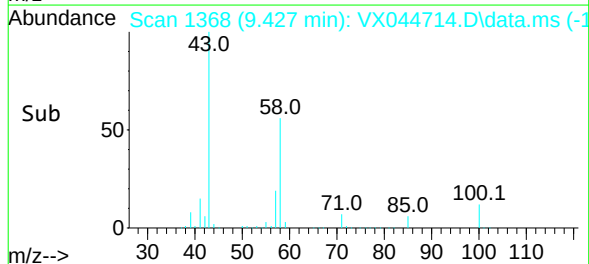
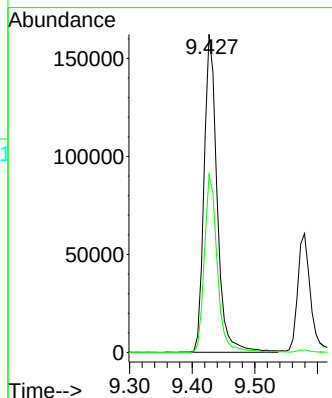
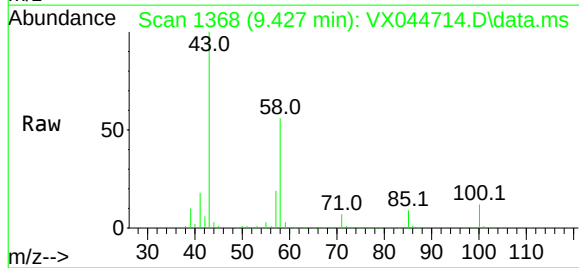
VX0127WBS01

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#60

Dibromochloromethane

Concen: 17.200 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044714.D

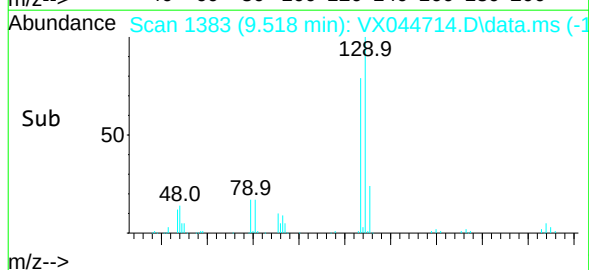
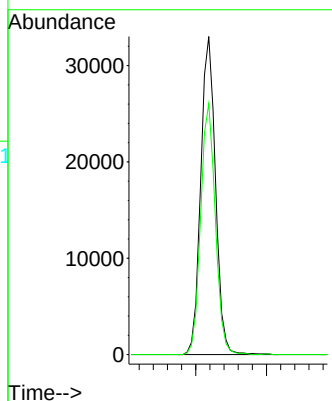
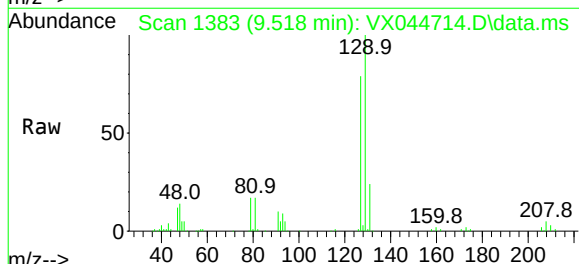
Acq: 27 Jan 2025 11:24

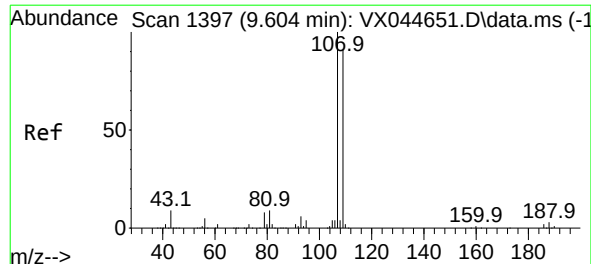
Tgt Ion:129 Resp: 47865

Ion Ratio Lower Upper

129 100

127 78.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 17.525 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 107 Resp: 43546

Ion Ratio Lower Upper

107 100

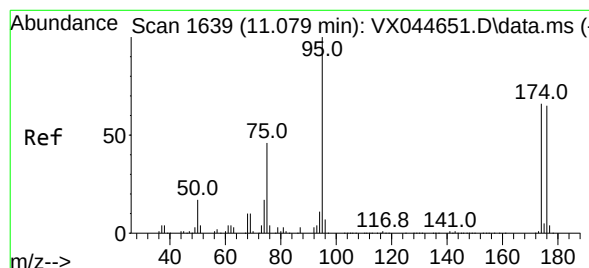
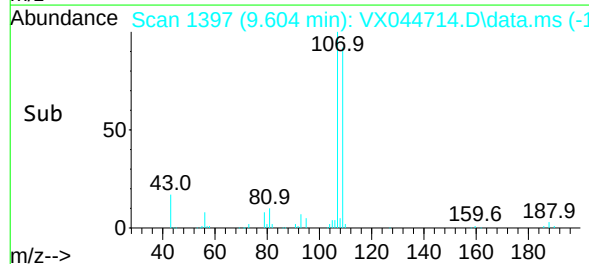
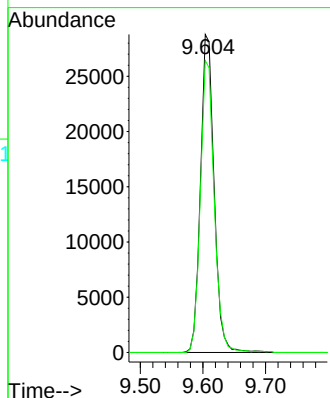
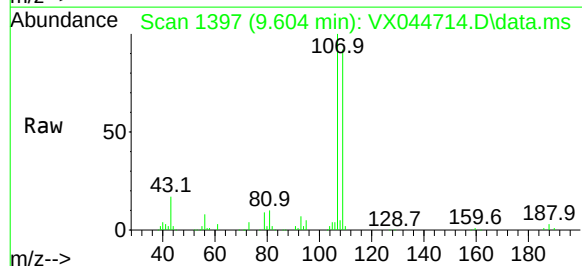
109 93.6 75.3 112.9

Manual Integrations

APPROVED

Reviewed By : John Carlone 01/28/2025

Supervised By : Mahesh Dadoda 01/28/2025



#62

4-Bromofluorobenzene

Concen: 46.759 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

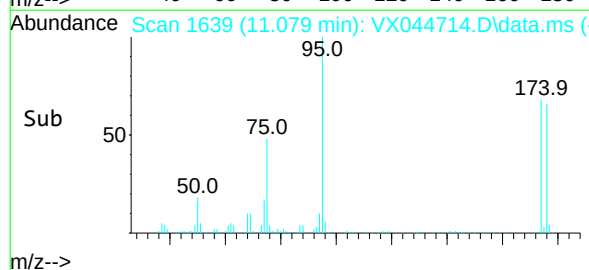
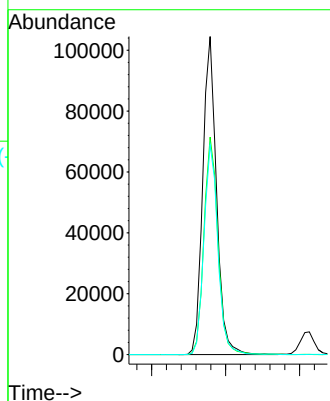
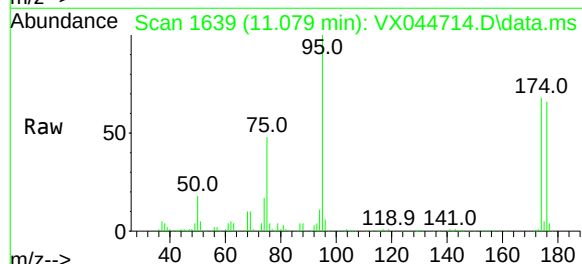
Tgt Ion: 95 Resp: 134911

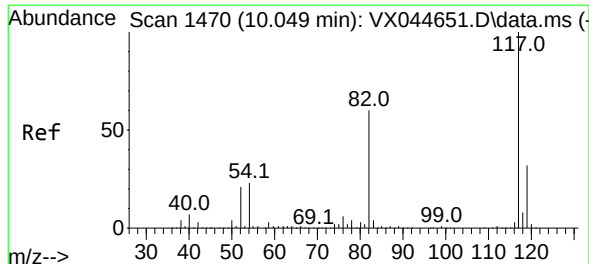
Ion Ratio Lower Upper

95 100

174 69.5 0.0 133.0

176 66.7 0.0 129.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion:117 Resp: 294902

Ion Ratio Lower Upper

117 100

82 57.9 47.6 71.4

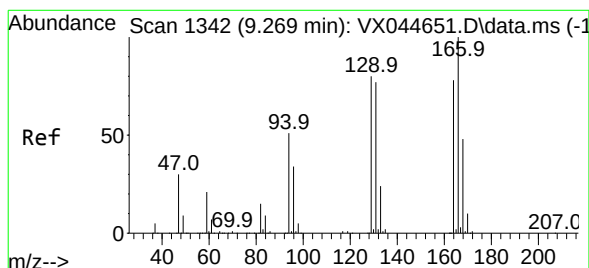
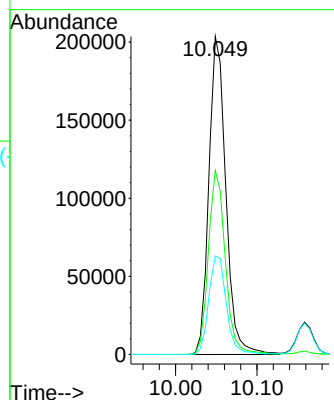
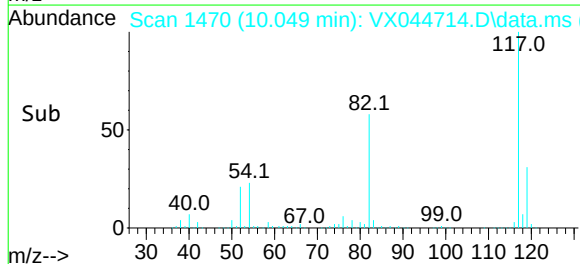
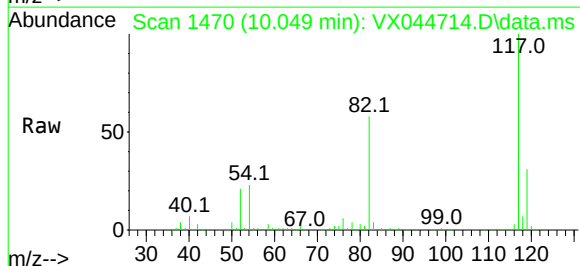
119 31.0 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#64

Tetrachloroethene

Concen: 18.686 ug/l

RT: 9.268 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Tgt Ion:164 Resp: 34603

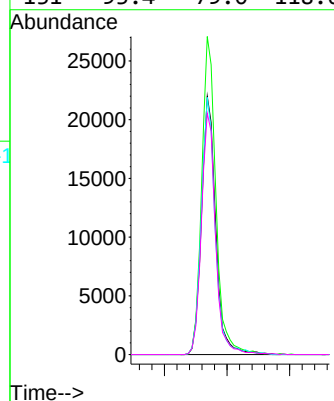
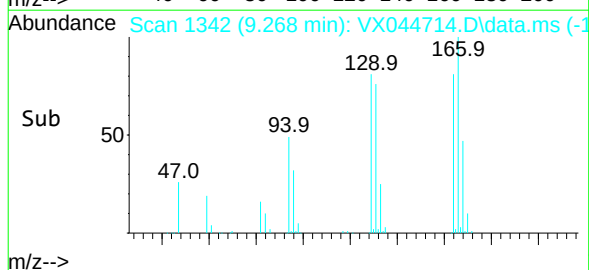
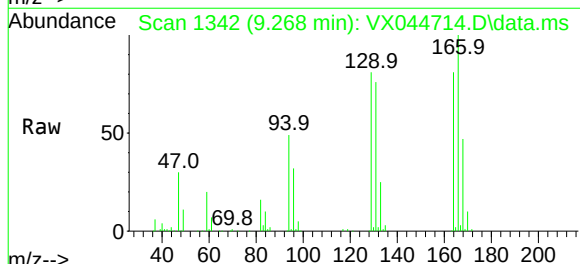
Ion Ratio Lower Upper

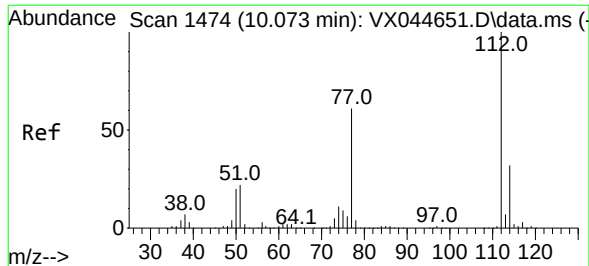
164 100

166 123.1 102.0 153.0

129 99.5 81.1 121.7

131 93.4 79.0 118.6





#65

Chlorobenzene

Concen: 18.627 ug/l

RT: 10.073 min Scan# 1474

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion:112 Resp: 116677

Ion Ratio Lower Upper

112 100

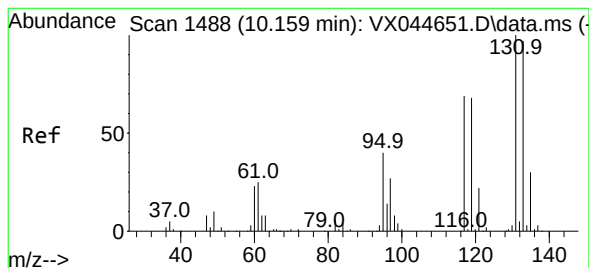
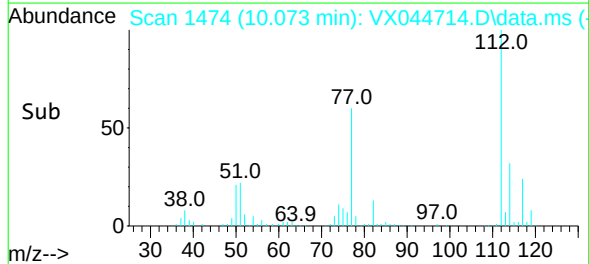
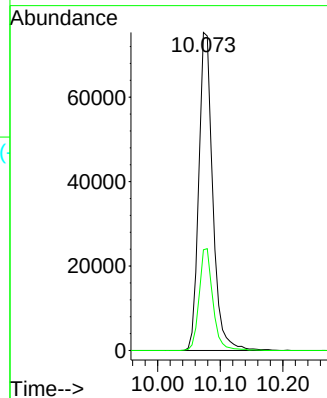
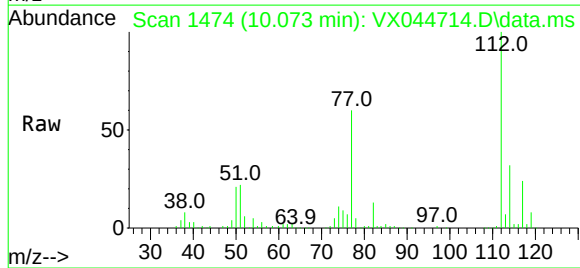
114 31.7 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 17.327 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

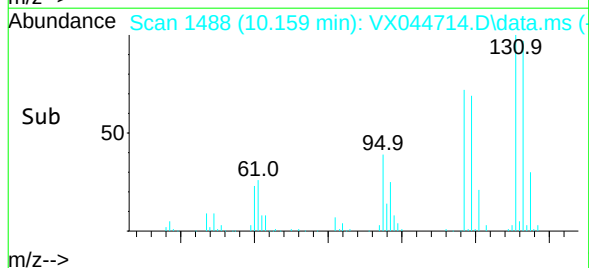
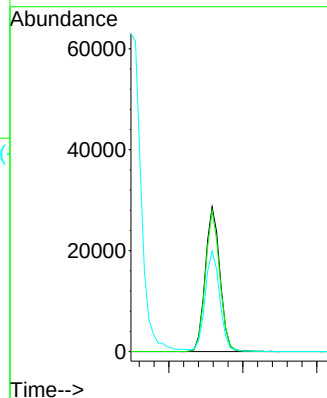
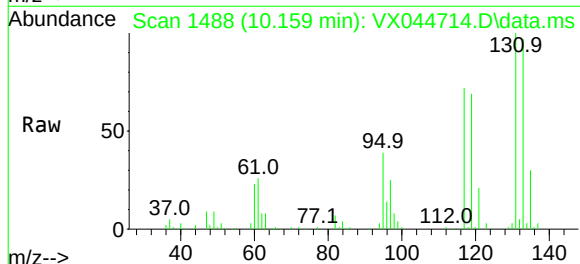
Tgt Ion:131 Resp: 39444

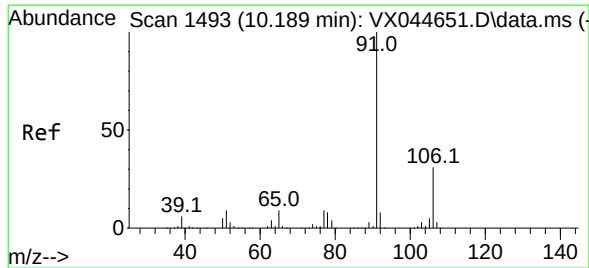
Ion Ratio Lower Upper

131 100

133 95.3 47.8 143.3

119 69.8 33.4 100.2





#67

Ethyl Benzene

Concen: 18.619 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 91 Resp: 203496

Ion Ratio Lower Upper

91 100

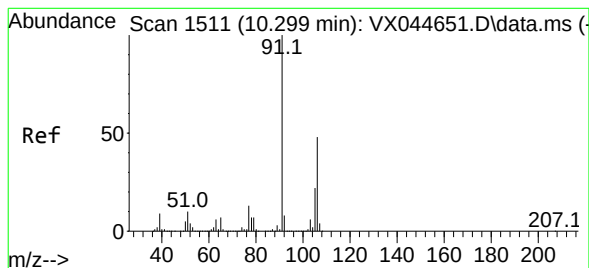
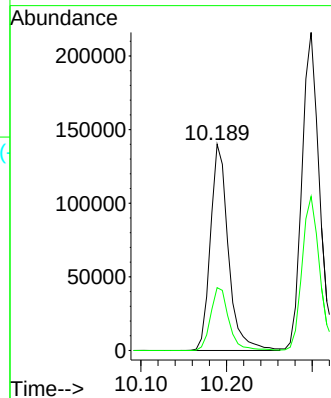
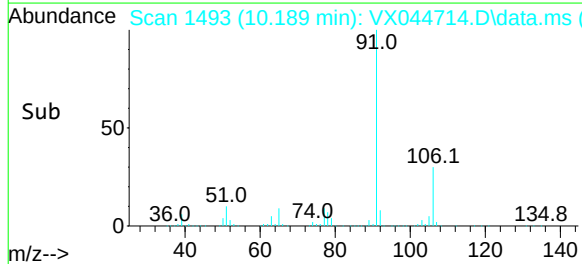
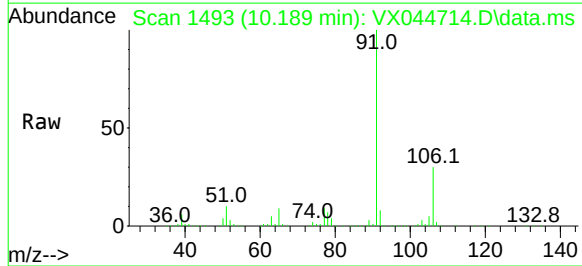
106 30.5 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#68

m/p-Xylenes

Concen: 38.048 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044714.D

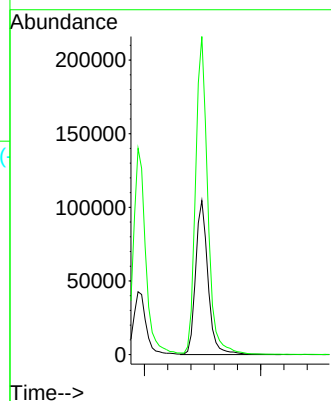
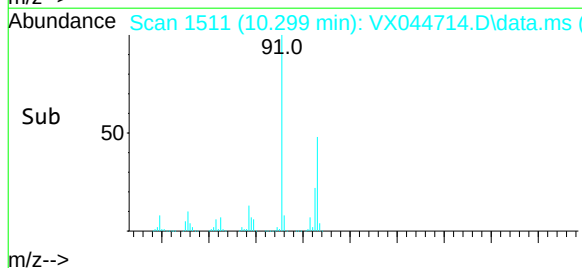
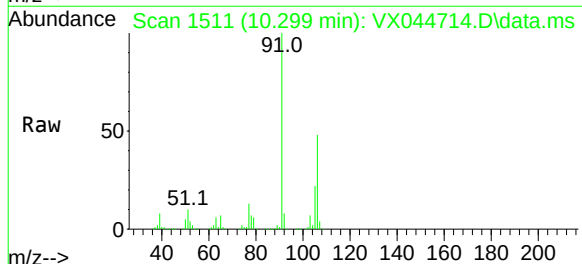
Acq: 27 Jan 2025 11:24

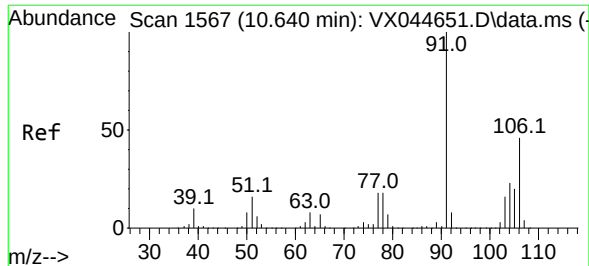
Tgt Ion:106 Resp: 154315

Ion Ratio Lower Upper

106 100

91 204.0 166.4 249.6





#69

o-Xylene

Concen: 18.584 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion:106 Resp: 76225

Ion Ratio Lower Upper

106 100

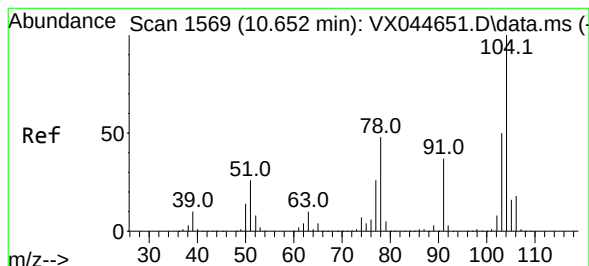
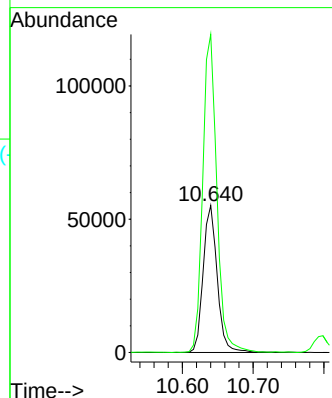
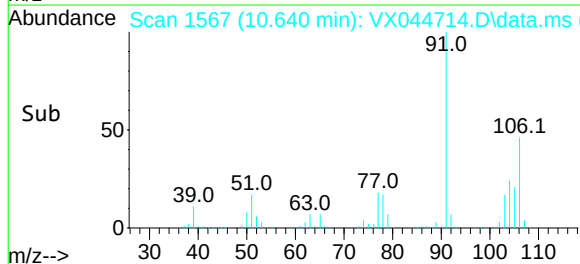
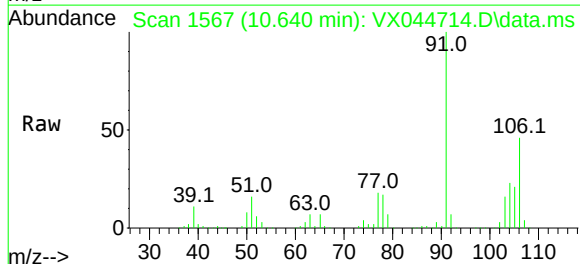
91 216.8 108.7 326.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#70

Styrene

Concen: 19.202 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

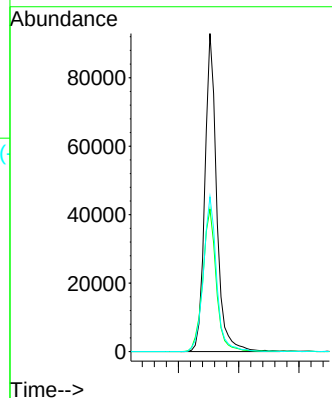
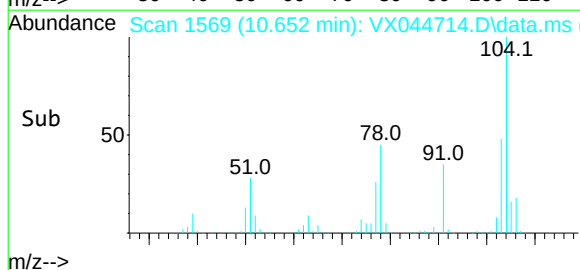
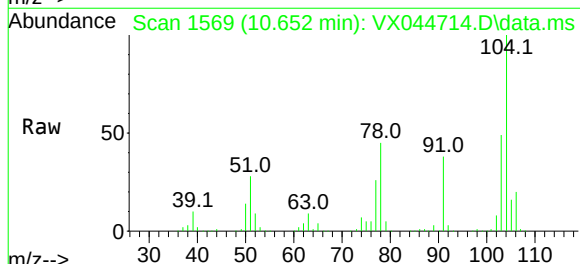
Tgt Ion:104 Resp: 127161

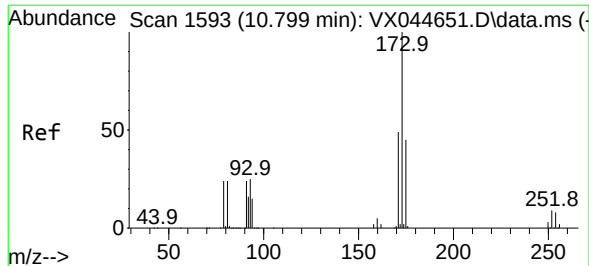
Ion Ratio Lower Upper

104 100

78 51.1 43.0 64.6

103 54.0 43.4 65.2





#71

Bromoform

Concen: 17.735 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

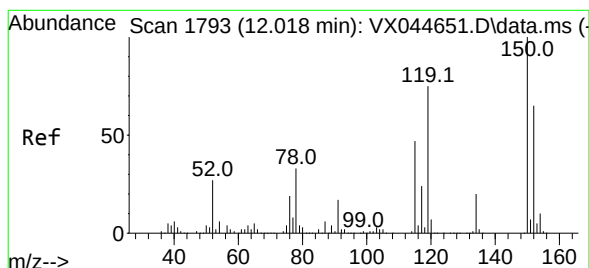
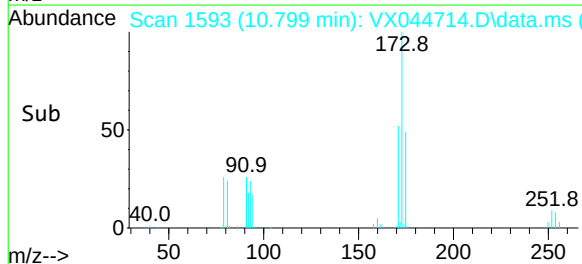
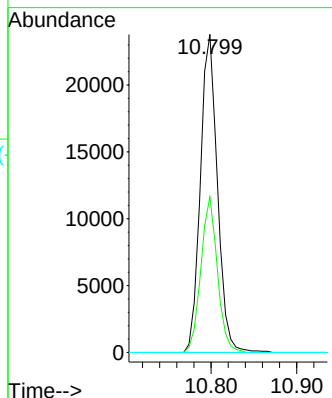
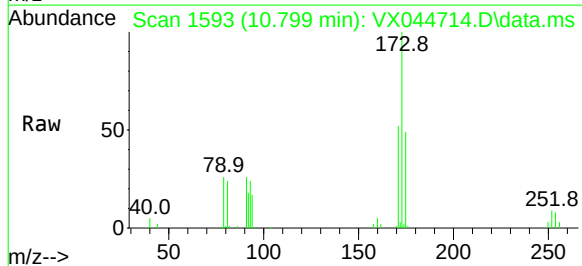
ClientSampleId :

VX0127WBS01

Tgt Ion:	173	Resp:	32859
Ion Ratio	Lower	Upper	
173	100		
175	47.4	23.6	70.8
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

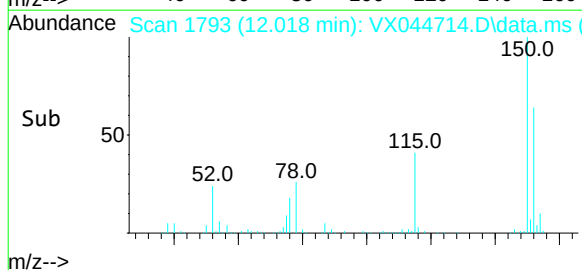
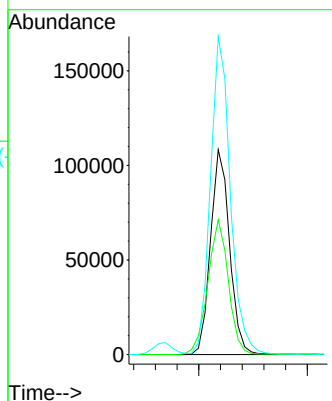
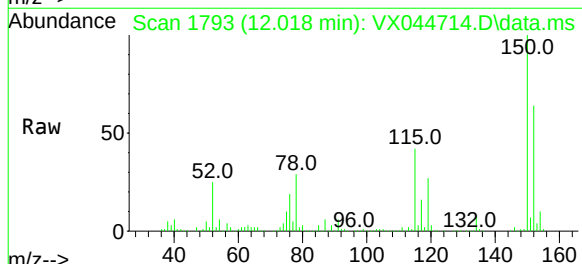
RT: 12.018 min Scan# 1793

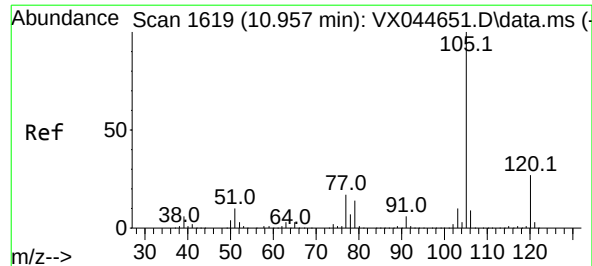
Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Tgt Ion:	152	Resp:	132232
Ion Ratio	Lower	Upper	
152	100		
115	71.0	43.8	131.4
150	161.9	0.0	347.8





#73

Isopropylbenzene

Concen: 17.780 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 105 Resp: 192068

Ion Ratio Lower Upper

105 100

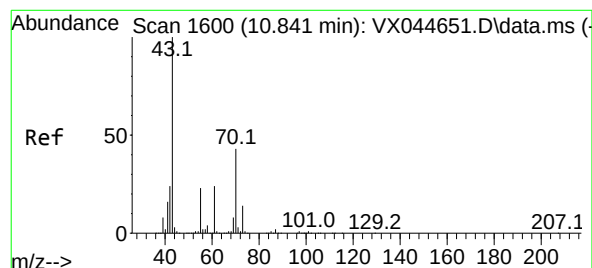
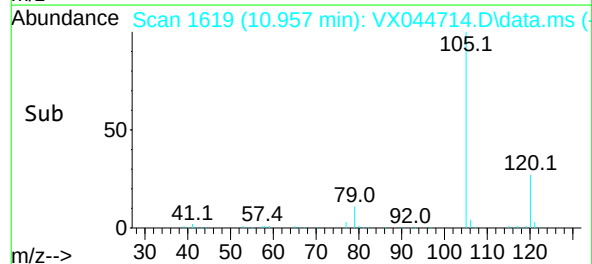
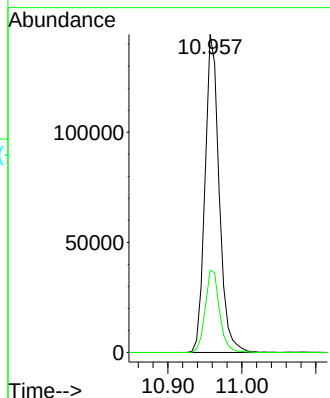
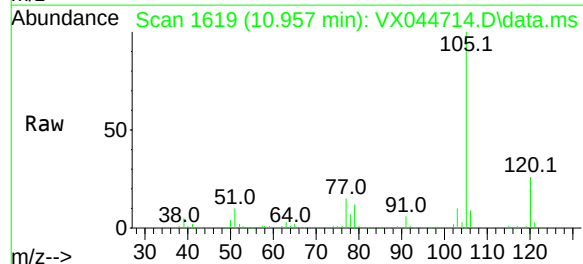
120 26.3 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#74

N-ethyl acetate

Concen: 17.326 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Tgt Ion: 43 Resp: 92250

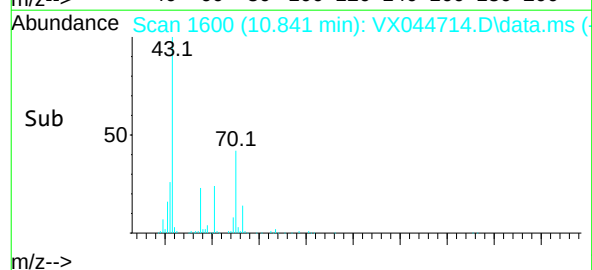
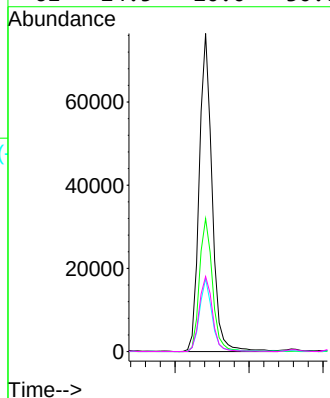
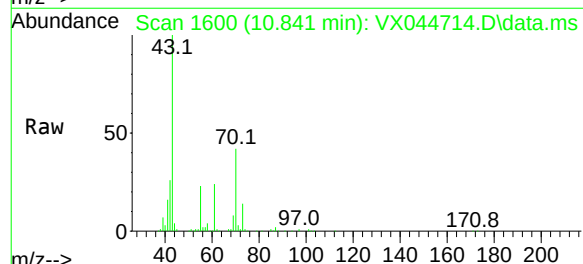
Ion Ratio Lower Upper

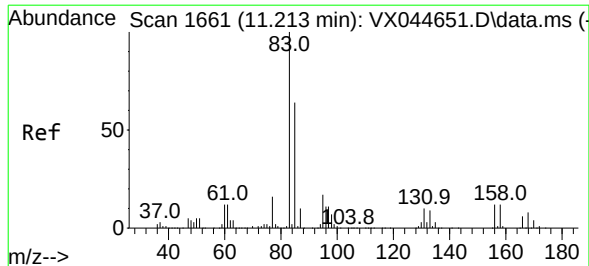
43 100

70 42.5 35.2 52.8

55 22.5 19.0 28.4

61 24.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.034 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 83 Resp: 67283

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

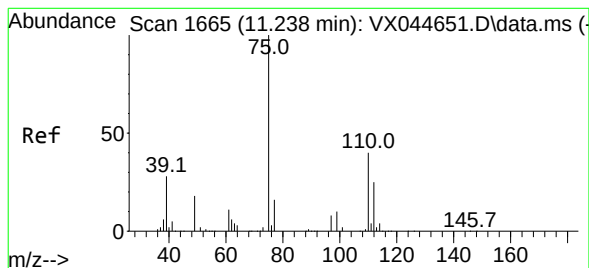
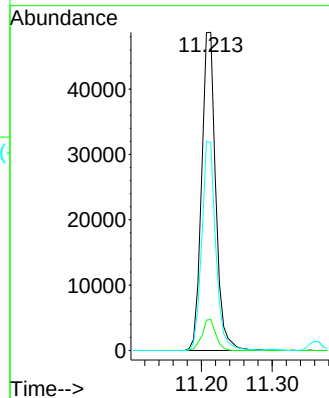
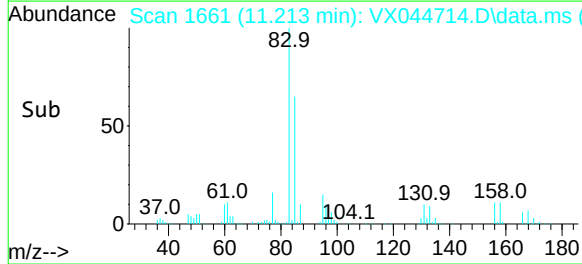
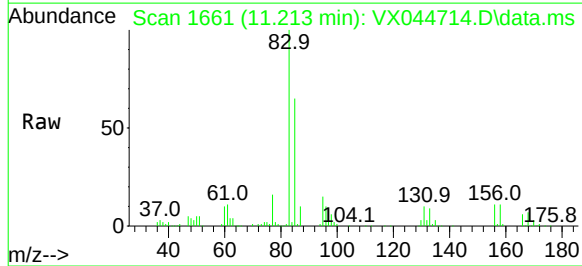
85 65.2 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#76

1,2,3-Trichloropropane

Concen: 17.110 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX044714.D

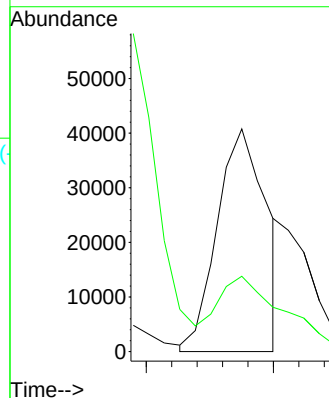
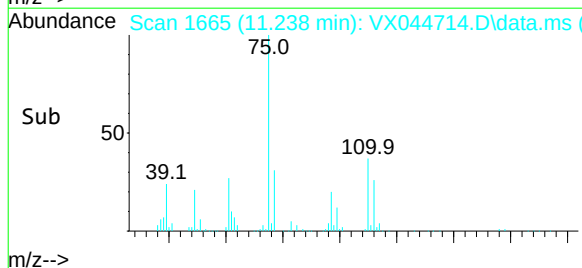
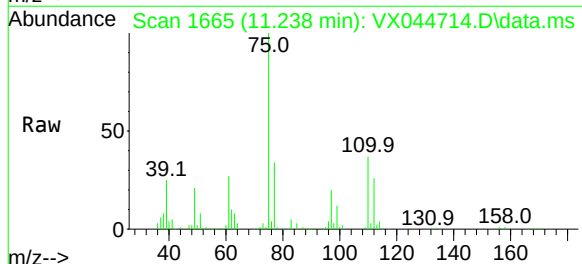
Acq: 27 Jan 2025 11:24

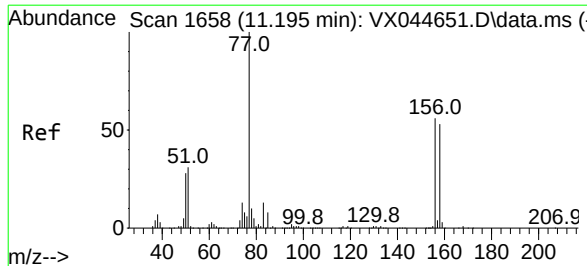
Tgt Ion: 75 Resp: 54906

Ion Ratio Lower Upper

75 100

77 46.2 23.4 70.2





#77

Bromobenzene

Concen: 17.640 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion:156 Resp: 44539

Ion Ratio Lower Upper

156 100

77 175.2 90.3 271.0

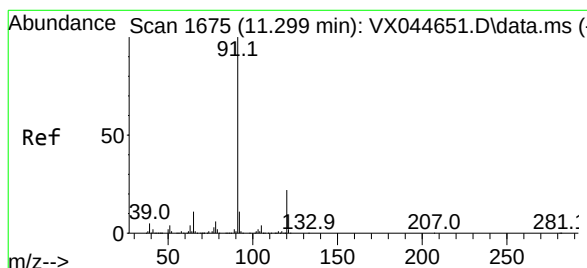
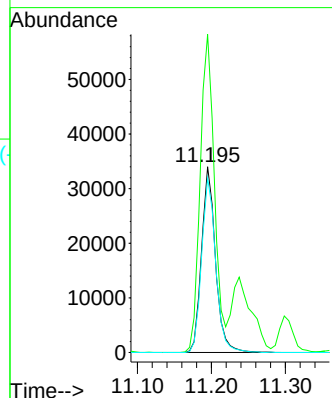
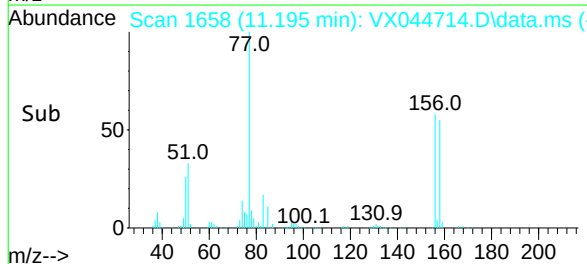
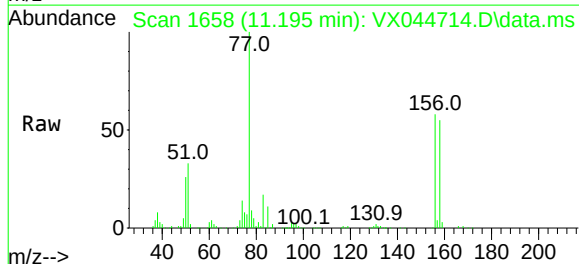
158 95.0 48.4 145.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#78

n-propylbenzene

Concen: 18.333 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. -0.000 min

Lab File: VX044714.D

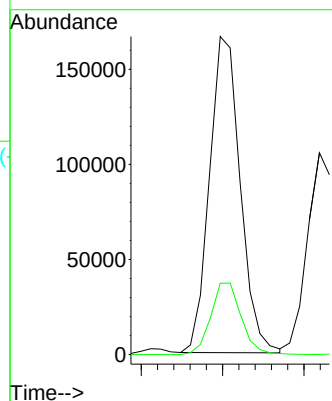
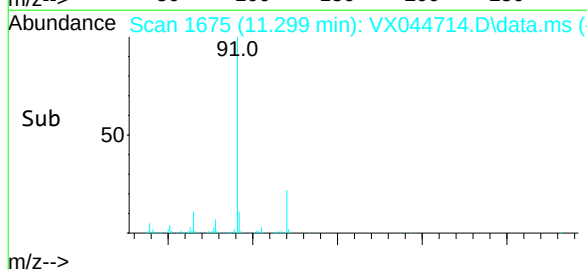
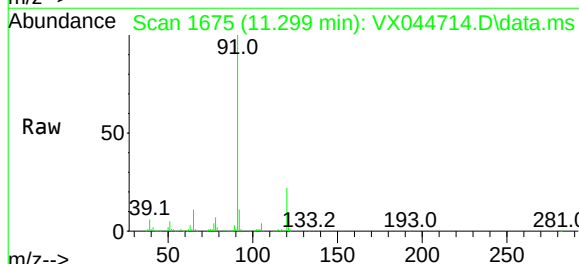
Acq: 27 Jan 2025 11:24

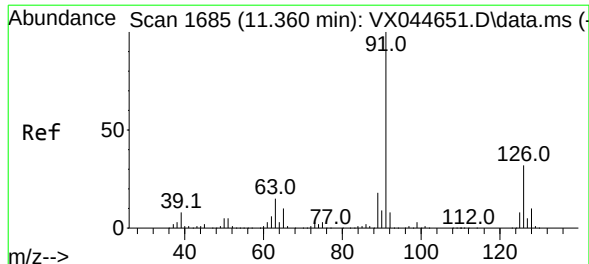
Tgt Ion: 91 Resp: 218400

Ion Ratio Lower Upper

91 100

120 22.5 11.4 34.1





#79

2-Chlorotoluene

Concen: 17.842 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 91 Resp: 137301

Ion Ratio Lower Upper

91 100

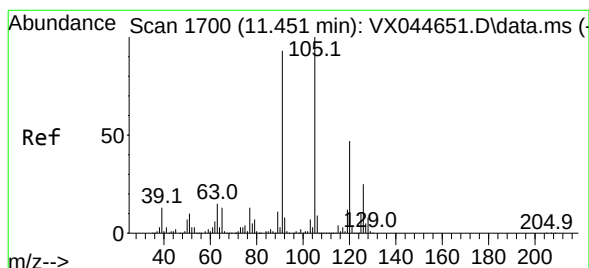
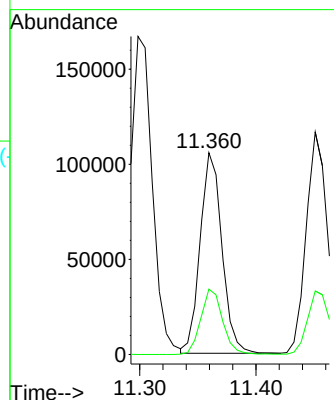
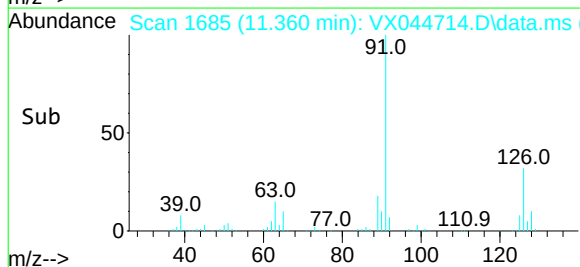
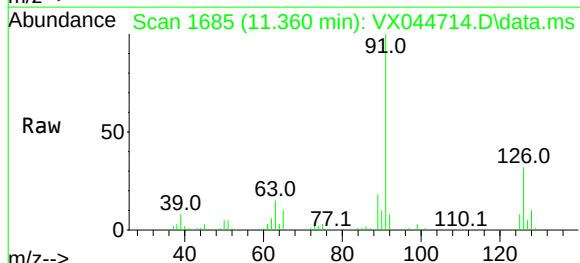
126 32.7 16.2 48.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#80

1,3,5-Trimethylbenzene

Concen: 17.967 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044714.D

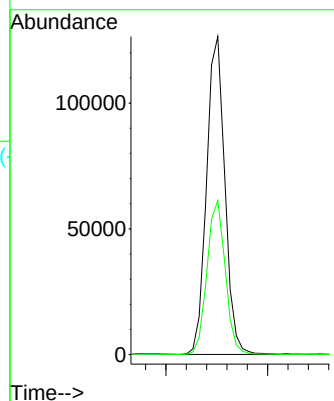
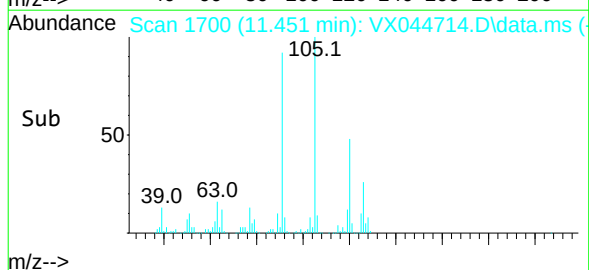
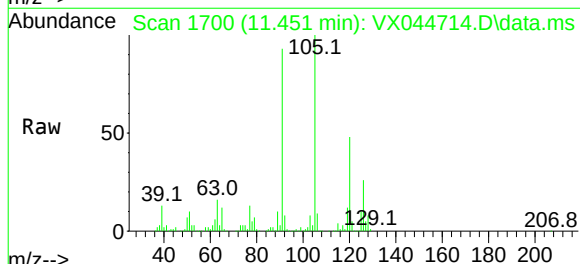
Acq: 27 Jan 2025 11:24

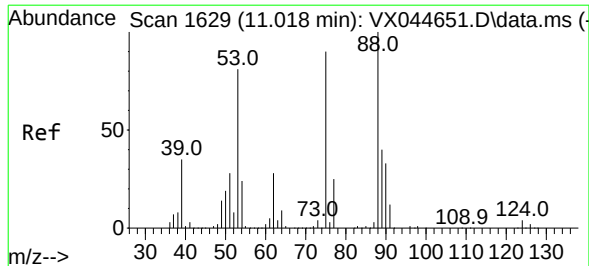
Tgt Ion:105 Resp: 158002

Ion Ratio Lower Upper

105 100

120 48.3 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.096 ug/l

RT: 11.018 min Scan# 16

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 75 Resp: 23991

Ion Ratio Lower Upper

75 100

53 88.3 74.3 111.5

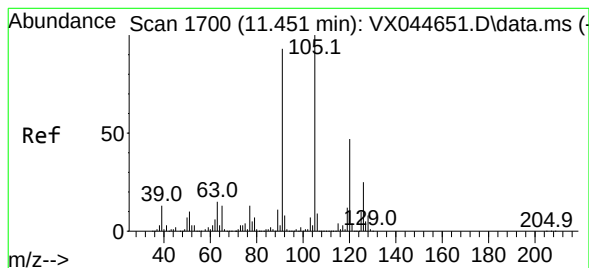
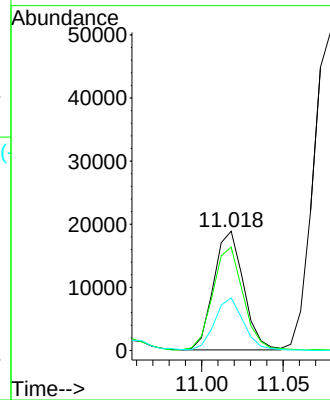
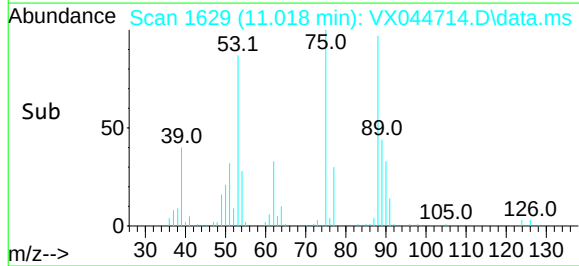
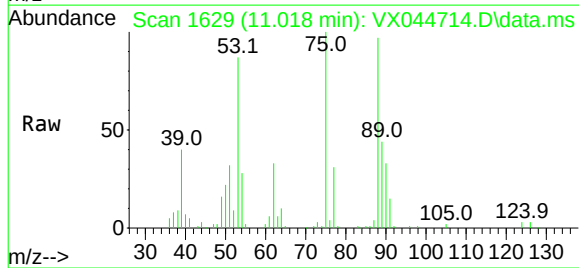
89 43.5 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#82

4-Chlorotoluene

Concen: 18.197 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044714.D

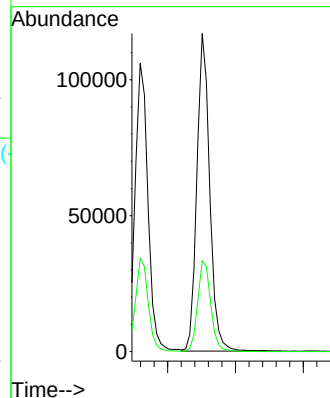
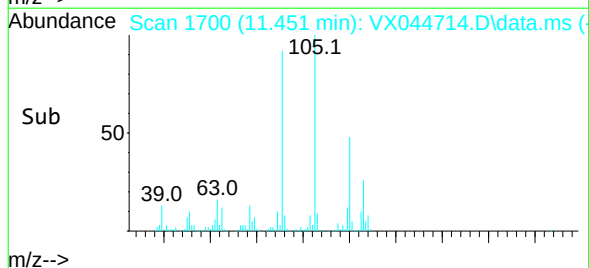
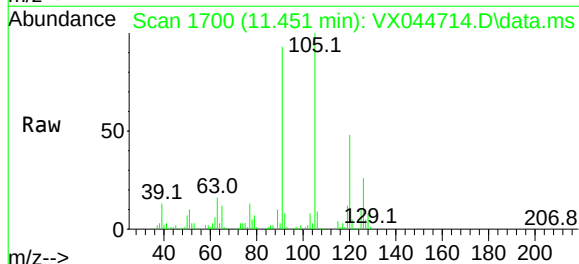
Acq: 27 Jan 2025 11:24

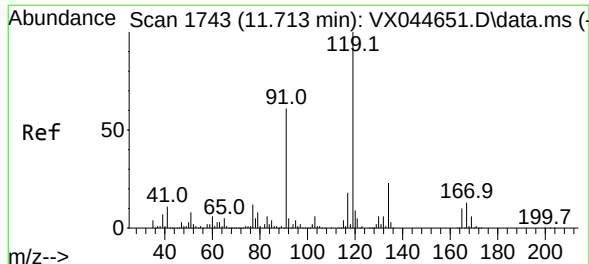
Tgt Ion: 91 Resp: 153401

Ion Ratio Lower Upper

91 100

126 29.3 13.9 41.7





#83

tert-Butylbenzene

Concen: 17.676 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion:119 Resp: 162534

Ion Ratio Lower Upper

119 100

91 58.7 30.0 90.0

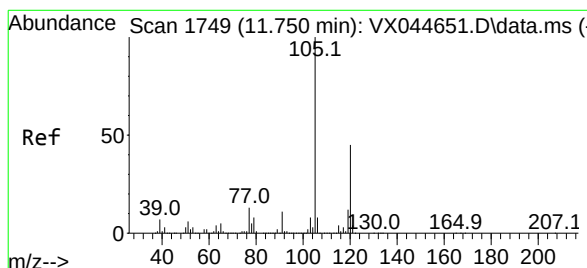
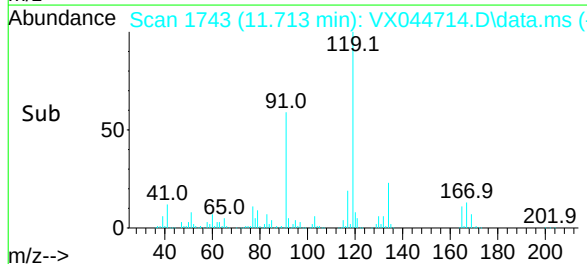
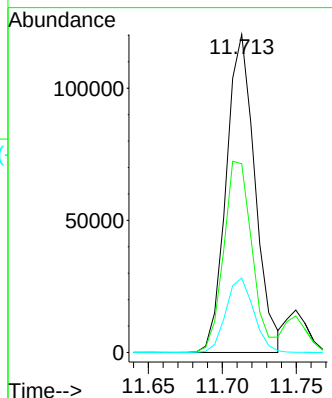
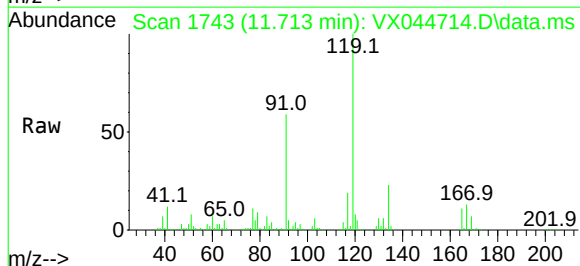
134 22.7 11.2 33.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#84

1,2,4-Trimethylbenzene

Concen: 17.895 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044714.D

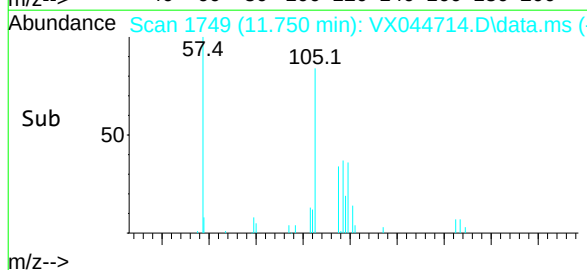
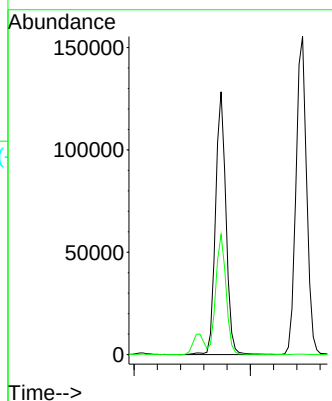
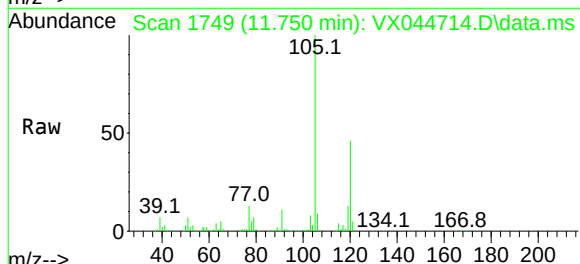
Acq: 27 Jan 2025 11:24

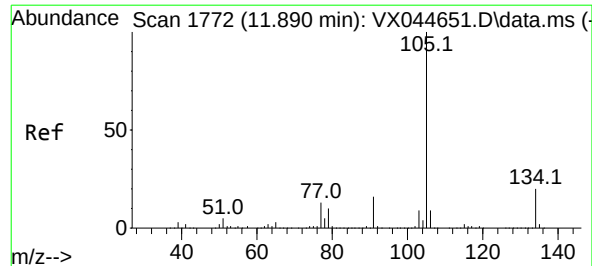
Tgt Ion:105 Resp: 159915

Ion Ratio Lower Upper

105 100

120 45.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 18.485 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion:105 Resp: 197899

Ion Ratio Lower Upper

105 100

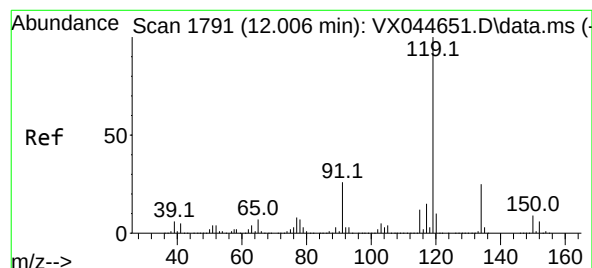
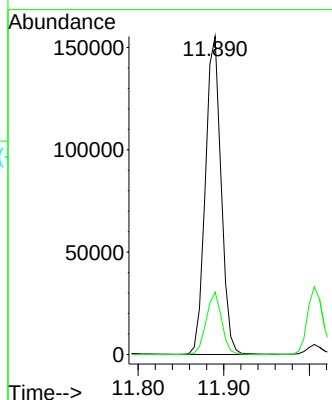
134 19.3 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#86

p-Isopropyltoluene

Concen: 18.102 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

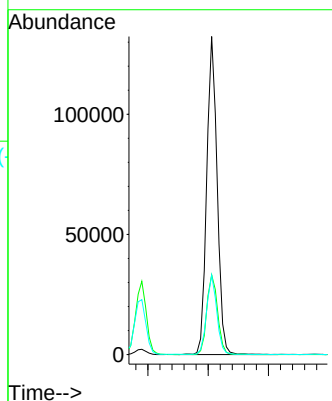
Tgt Ion:119 Resp: 159273

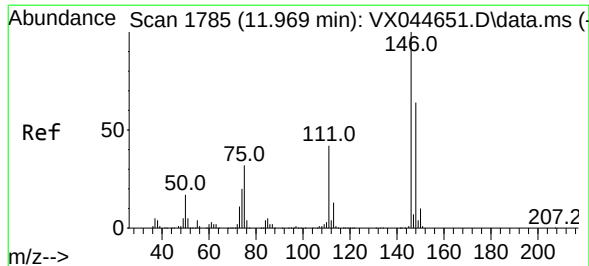
Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

91 24.2 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 18.444 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

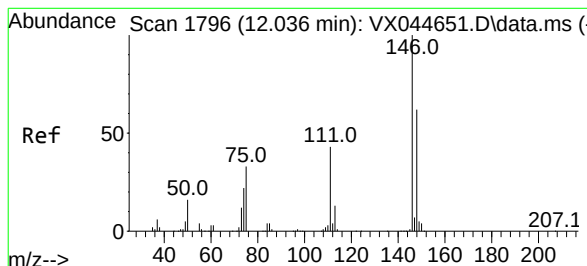
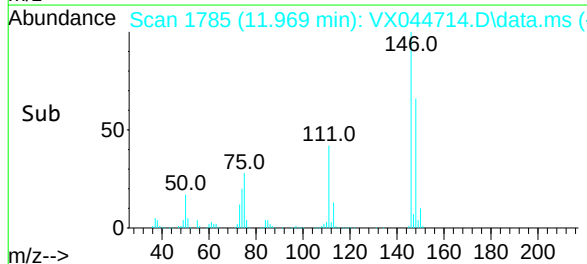
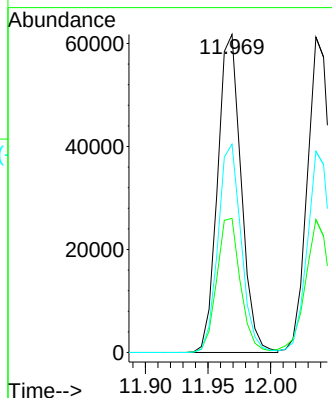
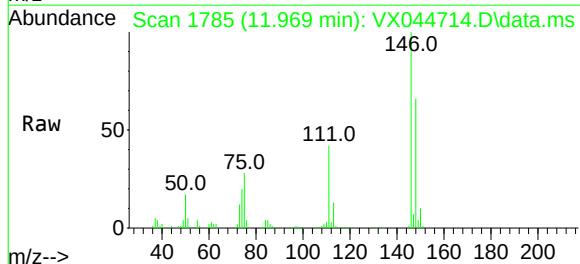
Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion:	146	Resp:	80761
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.9	65.7
148	64.4	31.8	95.4

Manual Integrations
APPROVEDReviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

#88

1,4-Dichlorobenzene

Concen: 18.173 ug/l

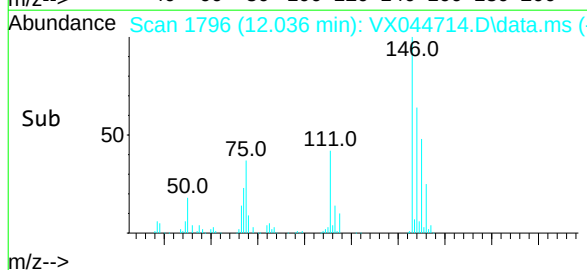
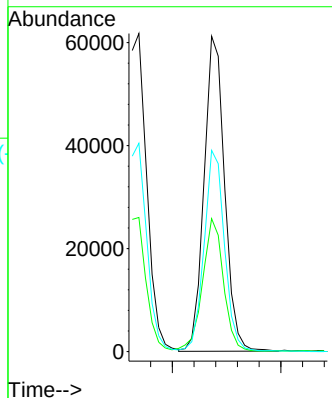
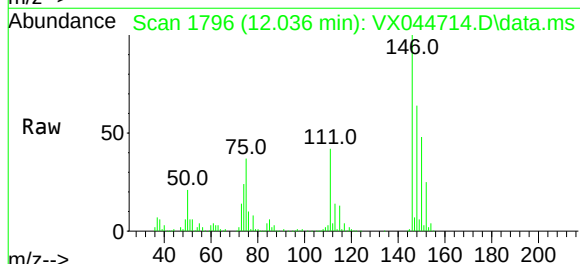
RT: 12.036 min Scan# 1796

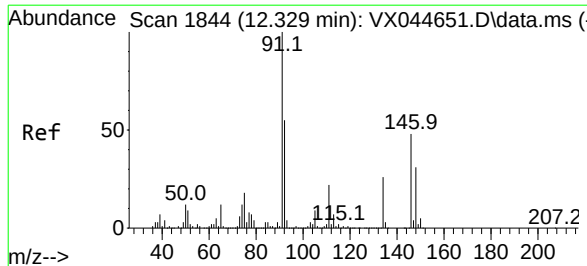
Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Tgt Ion:	146	Resp:	80443
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	64.0	32.1	96.5





#89

n-Butylbenzene

Concen: 18.544 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion: 91 Resp: 140139

Ion Ratio Lower Upper

91 100

92 55.3 27.4 82.0

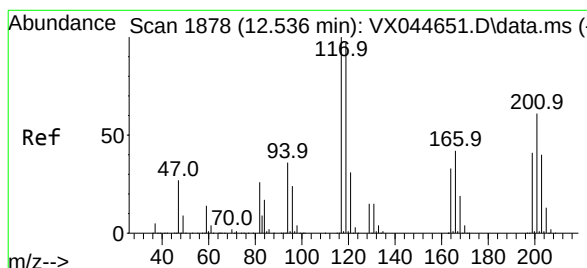
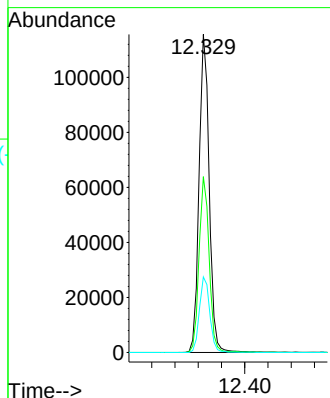
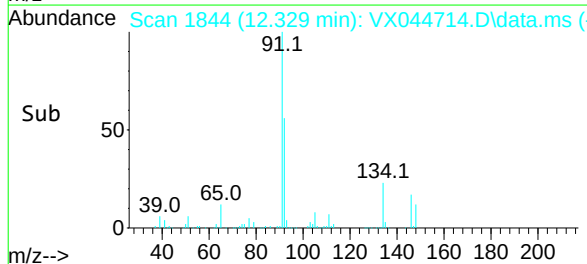
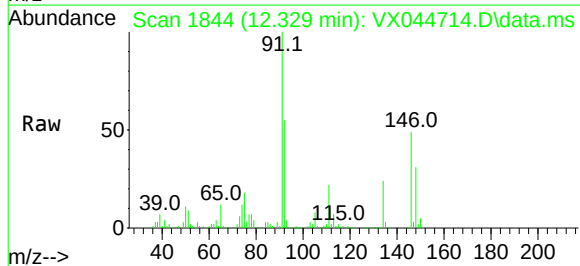
134 24.3 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#90

Hexachloroethane

Concen: 16.760 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044714.D

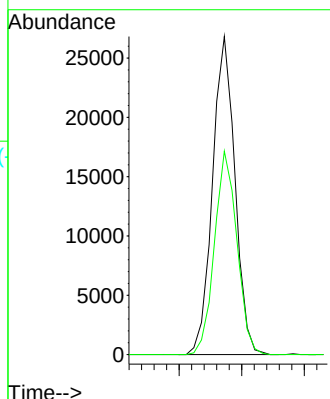
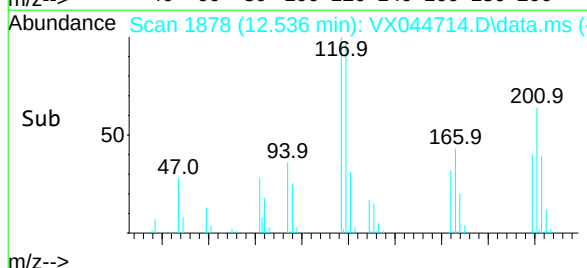
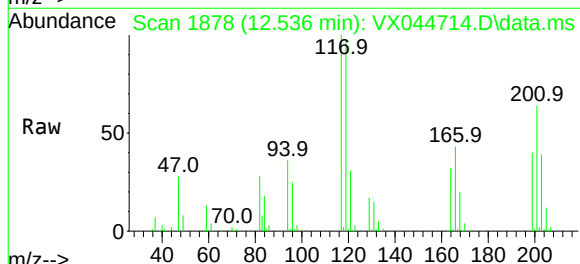
Acq: 27 Jan 2025 11:24

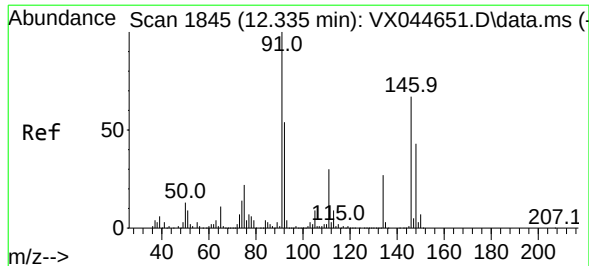
Tgt Ion:117 Resp: 33393

Ion Ratio Lower Upper

117 100

201 64.0 32.3 96.8





#91

1,2-Dichlorobenzene

Concen: 18.066 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

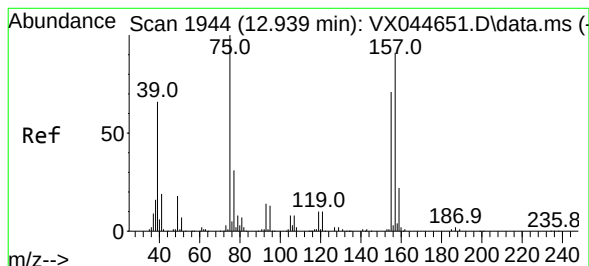
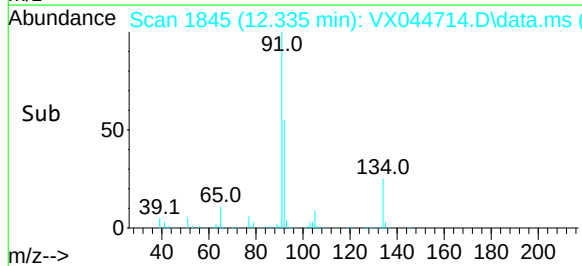
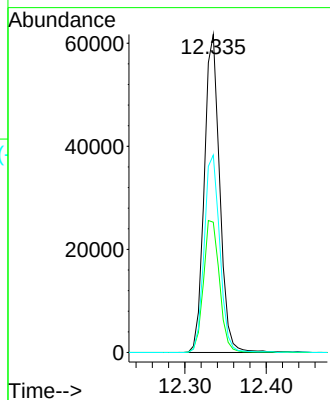
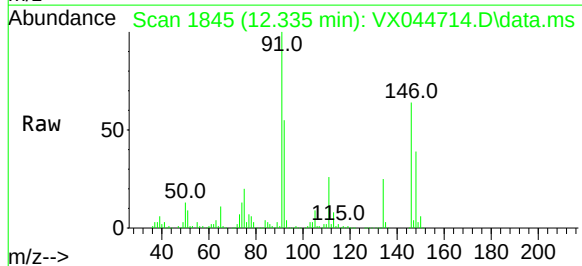
VX0127WBS01

Tgt Ion:	146	Resp:	81242
Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.4	67.2
148	62.7	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 14.461 ug/l

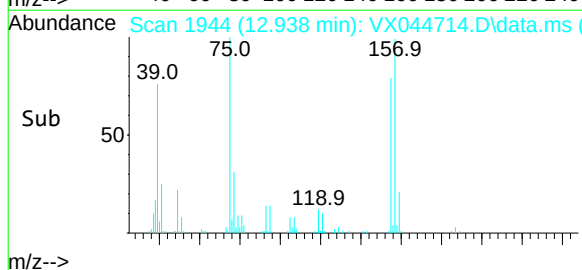
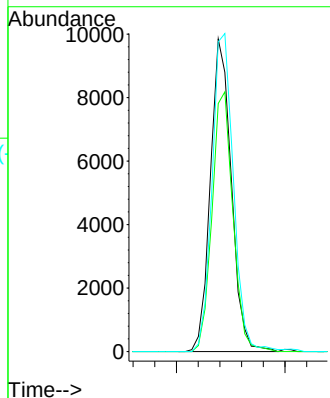
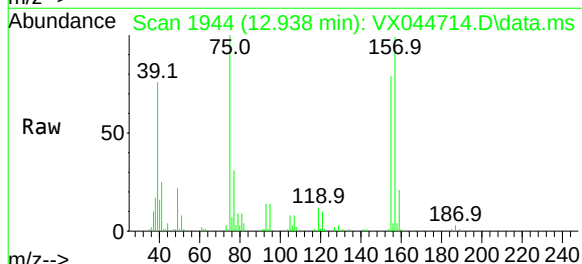
RT: 12.938 min Scan# 1944

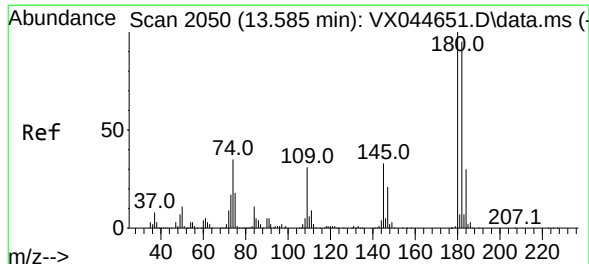
Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Tgt Ion:	75	Resp:	13195
Ion	Ratio	Lower	Upper
75	100		
155	82.9	39.0	116.9
157	104.2	49.9	149.7





#93

1,2,4-Trichlorobenzene

Concen: 17.593 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

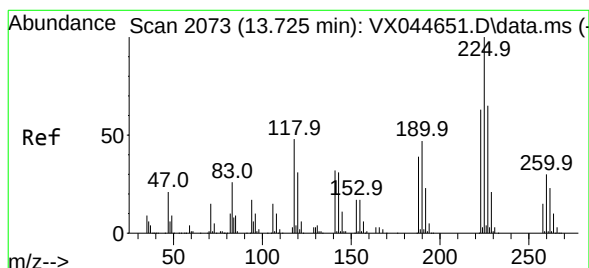
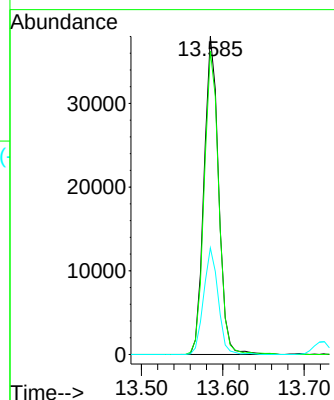
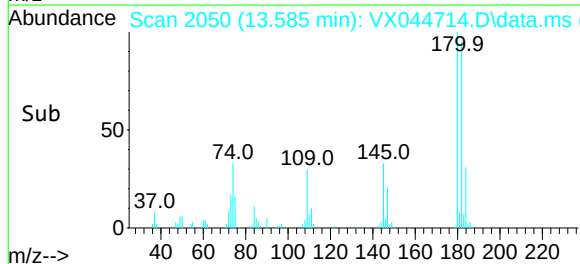
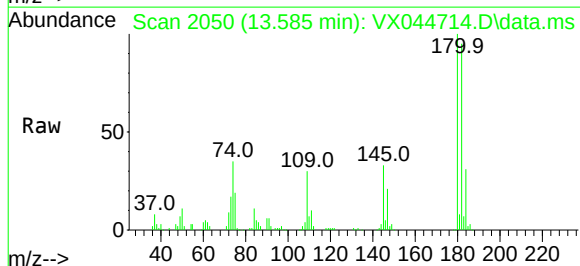
VX0127WBS01

Tgt Ion:	180	Resp:	47294
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.4	142.2
145	33.3	16.7	50.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#94

Hexachlorobutadiene

Concen: 17.210 ug/l

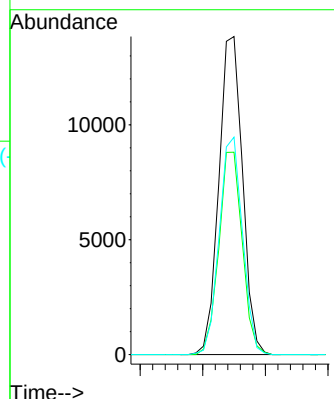
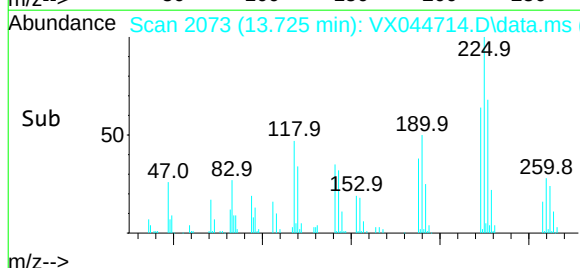
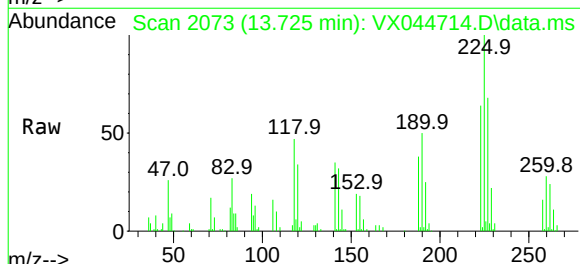
RT: 13.725 min Scan# 2073

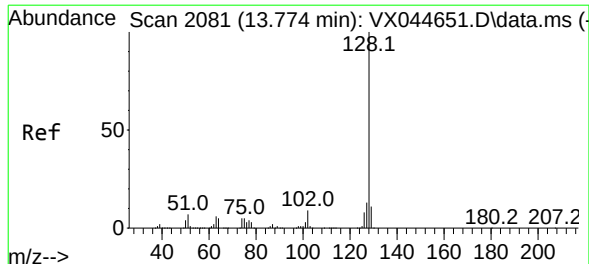
Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Tgt Ion:	225	Resp:	18173
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.9	95.7
227	67.2	31.8	95.4





#95

Naphthalene

Concen: 17.766 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

Tgt Ion:128 Resp: 184203

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

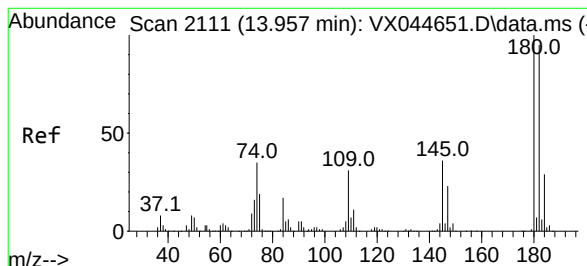
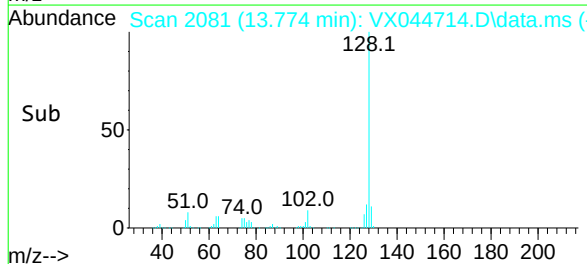
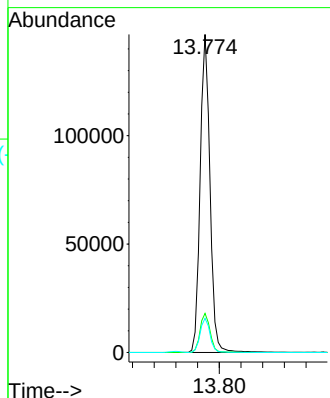
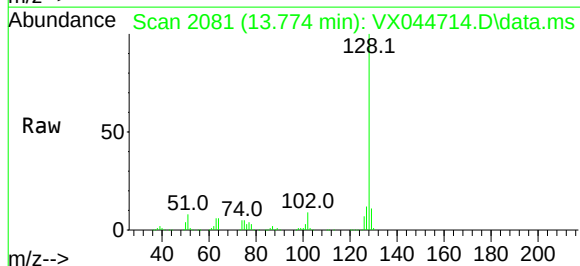
129 10.8 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#96

1,2,3-Trichlorobenzene

Concen: 17.616 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

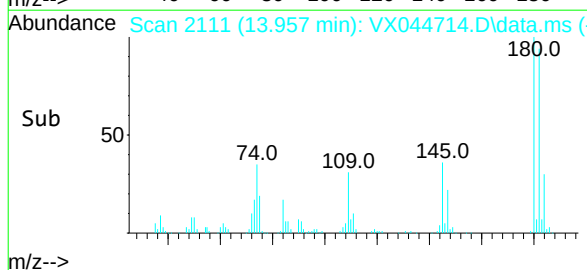
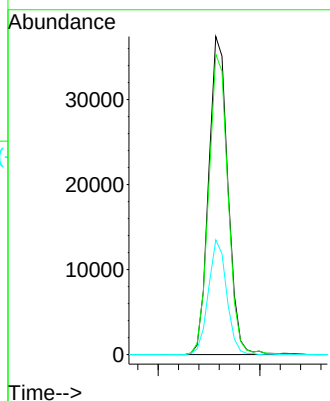
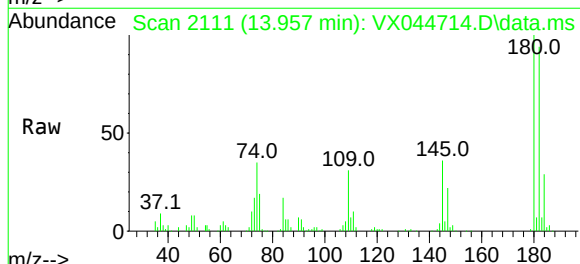
Tgt Ion:180 Resp: 49087

Ion Ratio Lower Upper

180 100

182 94.8 47.2 141.6

145 34.4 17.5 52.6



Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	CTO WE13			Date Received:	
Client Sample ID:	VX0127WBSD01			SDG No.:	Q1173
Lab Sample ID:	VX0127WBSD01			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
VX044715.D	1		01/27/25 11:52	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	19.1		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.7		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	19.9		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	41.0		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.6		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.0		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.26	0.75	1.00	ug/L
67-64-1	Acetone	87.8		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	19.3		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.0		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.2		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.6		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	98.0		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.0		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	18.0		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	16.7		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.4		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	17.4		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.5		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	17.4		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.2		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.0		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.4		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	99.7		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:	VX0127WBSD01			SDG No.:	Q1173
Lab Sample ID:	VX0127WBSD01			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
VX044715.D	1		01/27/25 11:52	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	18.2		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.7		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.7		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.8		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.1		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	18.9		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.6		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	17.8		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	18.3		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.8		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	18.6		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.1		81 - 118		84%	SPK: 50
1868-53-7	Dibromofluoromethane	45.1		80 - 119		90%	SPK: 50
2037-26-5	Toluene-d8	48.1		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	181000	5.543				
540-36-3	1,4-Difluorobenzene	330000	6.75				
3114-55-4	Chlorobenzene-d5	287000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	126000	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\VX012725\
 Data File : VX044715.D
 Acq On : 27 Jan 2025 11:52
 Operator : JC/MD
 Sample : VX0127WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/28/2025
 Supervised By : Mahesh Dadoda 01/28/2025

Quant Time: Jan 28 04:09:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	181106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	329948	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	287428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	125692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	115109	42.108	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.220%		
35) Dibromofluoromethane	5.379	113	94586	45.125	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.240%		
50) Toluene-d8	8.646	98	351325	48.069	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.140%		
62) 4-Bromofluorobenzene	11.079	95	127855	46.926	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	42531	17.452	ug/l	97
3) Chloromethane	1.300	50	50371	19.113	ug/l	98
4) Vinyl Chloride	1.373	62	46045	17.683	ug/l	97
5) Bromomethane	1.593	94	12365	19.887	ug/l	98
6) Chloroethane	1.666	64	19570	40.984	ug/l	92
7) Trichlorofluoromethane	1.873	101	50717	17.623	ug/l	97
8) Diethyl Ether	2.129	74	15983	13.762	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.318	101	41192	19.041	ug/l	99
10) Methyl Iodide	2.446	142	51850	17.555	ug/l	98
11) Tert butyl alcohol	2.971	59	52572	86.265	ug/l #	84
12) 1,1-Dichloroethene	2.312	96	40671	19.179	ug/l	98
13) Acrolein	2.233	56	19607	68.368	ug/l	100
14) Allyl chloride	2.654	41	75257	18.227	ug/l	96
15) Acrylonitrile	3.056	53	118706	99.311	ug/l	99
16) Acetone	2.379	43	94951	87.792	ug/l	95
17) Carbon Disulfide	2.501	76	111388	19.250	ug/l	99
18) Methyl Acetate	2.696	43	66037	19.791	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	138618	18.047	ug/l	97
20) Methylene Chloride	2.782	84	45743	18.162	ug/l	97
21) trans-1,2-Dichloroethene	3.086	96	40658	18.364	ug/l	98
22) Diisopropyl ether	3.757	45	141633	19.734	ug/l	97
23) Vinyl Acetate	3.714	43	602846	95.967	ug/l	99
24) 1,1-Dichloroethane	3.599	63	78982	18.558	ug/l	100
25) 2-Butanone	4.550	43	157607	98.011	ug/l	99
26) 2,2-Dichloropropane	4.464	77	67624	16.394	ug/l	95
27) cis-1,2-Dichloroethene	4.476	96	50234	18.038	ug/l	98
28) Bromochloromethane	4.891	49	39174	19.697	ug/l	95
29) Tetrahydrofuran	5.001	42	102301	98.627	ug/l	98
30) Chloroform	5.080	83	77159	17.964	ug/l	97
31) Cyclohexane	5.464	56	71276	20.706	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	65982	16.710	ug/l	99
36) 1,1-Dichloropropene	5.684	75	53609	18.373	ug/l	99
37) Ethyl Acetate	4.708	43	61115	19.668	ug/l	97
38) Carbon Tetrachloride	5.665	117	56337	17.165	ug/l	98
39) Methylcyclohexane	7.372	83	75204	19.415	ug/l	97
40) Benzene	6.031	78	173290	19.166	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044715.D
 Acq On : 27 Jan 2025 11:52
 Operator : JC/MD
 Sample : VX0127WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/28/2025
 Supervised By : Mahesh Dadoda 01/28/2025

Quant Time: Jan 28 04:09:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	34872	19.259	ug/l	98
42) 1,2-Dichloroethane	6.080	62	57405	17.395	ug/l	99
43) Isopropyl Acetate	6.336	43	107342	18.779	ug/l	99
44) Trichloroethene	7.122	130	40128	18.461	ug/l	95
45) 1,2-Dichloropropane	7.427	63	43371	19.056	ug/l	96
46) Dibromomethane	7.573	93	30193	17.427	ug/l	99
47) Bromodichloromethane	7.817	83	61842	17.405	ug/l	96
48) Methyl methacrylate	7.689	41	50212	18.924	ug/l	99
49) 1,4-Dioxane	7.659	88	20996	379.274	ug/l	96
51) 4-Methyl-2-Pentanone	8.567	43	319737	101.217	ug/l	98
52) Toluene	8.713	92	106487	19.242	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	65922	17.958	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	73264	18.406	ug/l	96
55) 1,1,2-Trichloroethane	9.146	97	42407	18.940	ug/l	94
56) Ethyl methacrylate	9.116	69	73137	18.998	ug/l	98
57) 1,3-Dichloropropane	9.305	76	73209	19.201	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	157160	83.152	ug/l	98
59) 2-Hexanone	9.427	43	231694	99.695	ug/l	99
60) Dibromochloromethane	9.518	129	47950	18.246	ug/l	100
61) 1,2-Dibromoethane	9.604	107	44437	18.938	ug/l	98
64) Tetrachloroethene	9.268	164	33701	18.672	ug/l	99
65) Chlorobenzene	10.073	112	114176	18.702	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	39214	17.674	ug/l	98
67) Ethyl Benzene	10.189	91	199900	18.765	ug/l	98
68) m/p-Xylenes	10.299	106	150751	38.135	ug/l	98
69) o-Xylene	10.640	106	75639	18.921	ug/l	99
70) Styrene	10.652	104	126504	19.600	ug/l	97
71) Bromoform	10.799	173	32141	17.798	ug/l #	98
73) Isopropylbenzene	10.957	105	189275	18.433	ug/l	99
74) N-amyl acetate	10.841	43	89318	17.648	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	64877	18.294	ug/l	98
76) 1,2,3-Trichloropropane	11.237	75	54022m	17.710	ug/l	
77) Bromobenzene	11.195	156	44492	18.538	ug/l	94
78) n-propylbenzene	11.298	91	217748	19.229	ug/l	100
79) 2-Chlorotoluene	11.359	91	134830	18.432	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	158844	19.003	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	23711	17.776	ug/l	94
82) 4-Chlorotoluene	11.451	91	150487	18.780	ug/l	98
83) tert-Butylbenzene	11.713	119	160244	18.334	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	158646	18.677	ug/l	100
85) sec-Butylbenzene	11.890	105	196136	19.273	ug/l	99
86) p-Isopropyltoluene	12.006	119	159144	19.029	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	78221	18.793	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	78858	18.742	ug/l	99
89) n-Butylbenzene	12.329	91	142284	19.808	ug/l	99
90) Hexachloroethane	12.536	117	33238	17.551	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	79447	18.586	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	12965	14.949	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	48749	19.078	ug/l	97
94) Hexachlorobutadiene	13.725	225	18012	17.945	ug/l	98
95) Naphthalene	13.774	128	182044	18.471	ug/l	99
96) 1,2,3-Trichlorobenzene	13.956	180	48973	18.489	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044715.D
Acq On : 27 Jan 2025 11:52
Operator : JC/MD
Sample : VX0127WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Quant Time: Jan 28 04:09:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

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

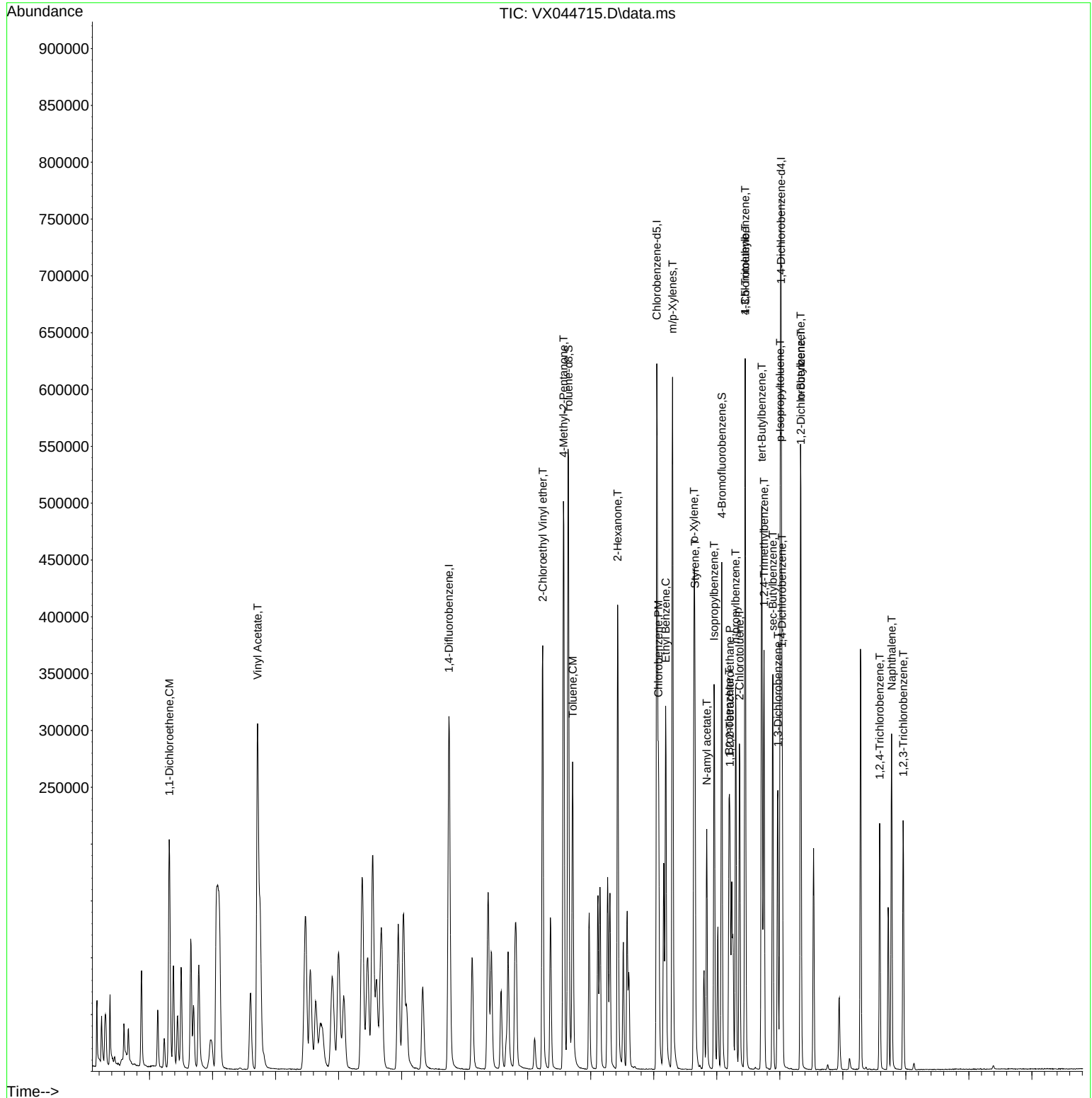
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Acq On : 27 Jan 2025 11:52
Operator : JC/MD
Sample : VX0127WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

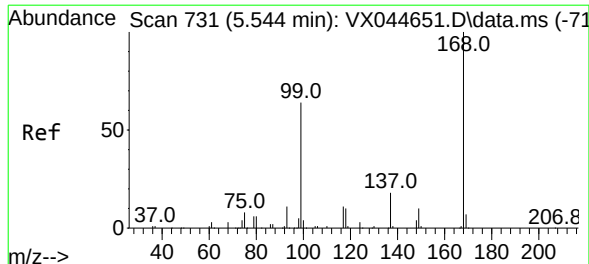
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations
APPROVED

Reviewed By : John Carlone 01/28/2025
Supervised By : Mahesh Dadoda 01/28/2025

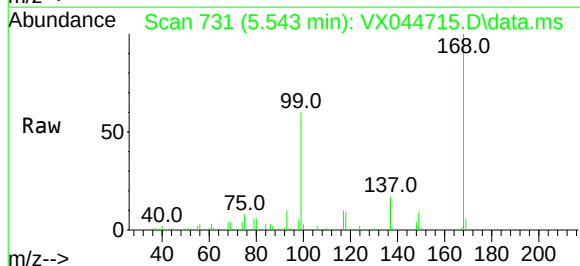
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration





Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.001 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

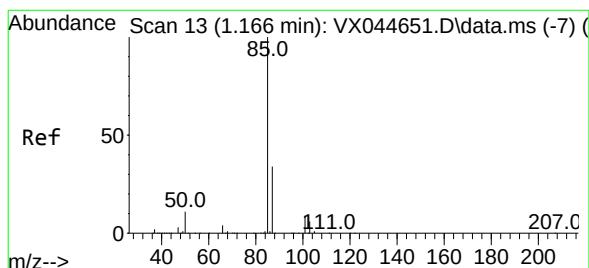
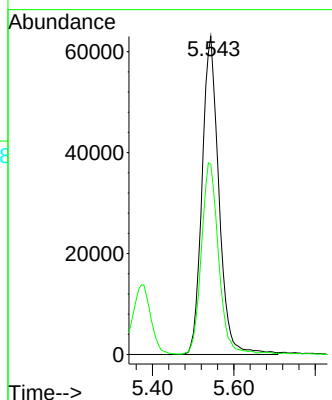
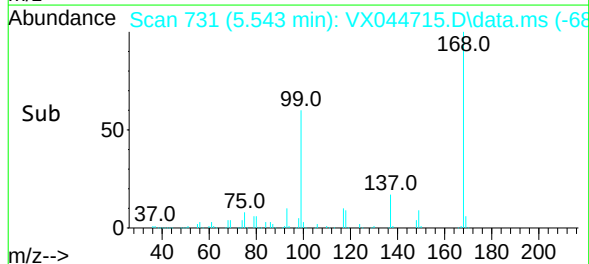
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01



Tgt Ion: 168 Resp: 181106
Ion Ratio Lower Upper
168 100
99 59.7 51.1 76.7

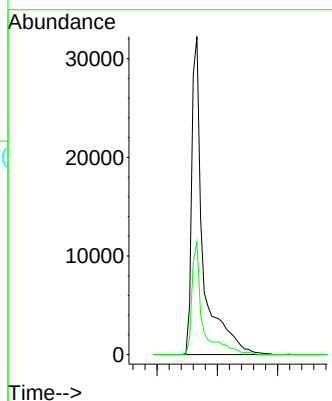
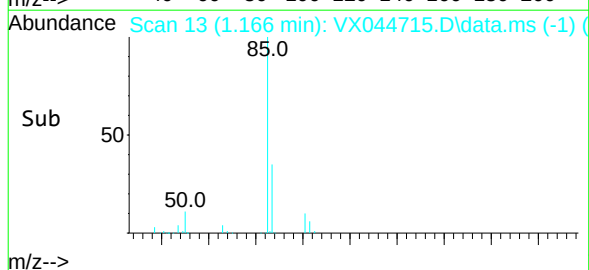
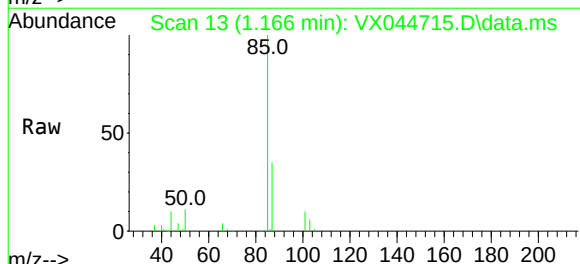
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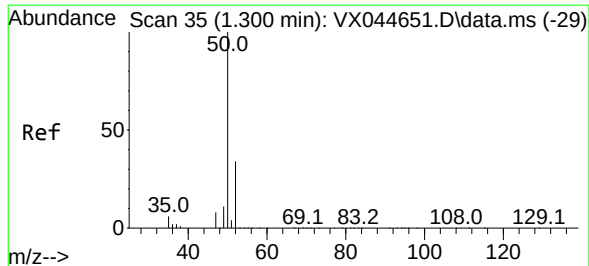
Reviewed By : John Carlone 01/28/2025
Supervised By : Mahesh Dadoda 01/28/2025



Dichlorodifluoromethane
Concen: 17.452 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

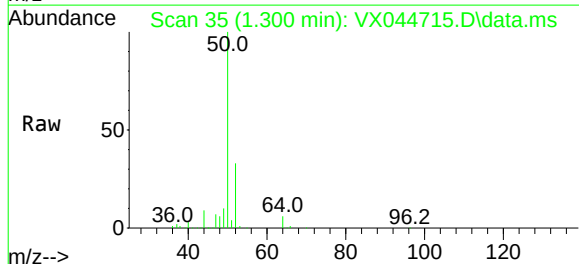
Tgt Ion: 85 Resp: 42531
Ion Ratio Lower Upper
85 100
87 35.4 16.8 50.4





#3
Chloromethane
Concen: 19.113 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

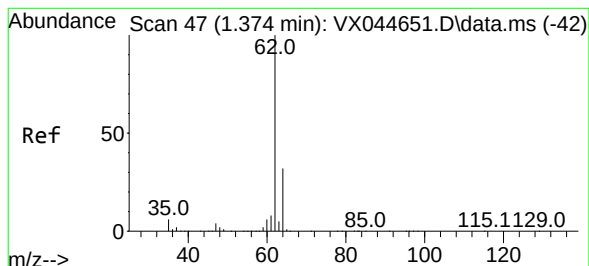
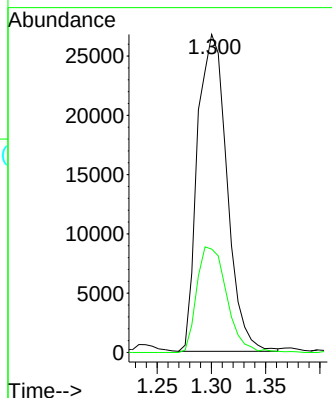
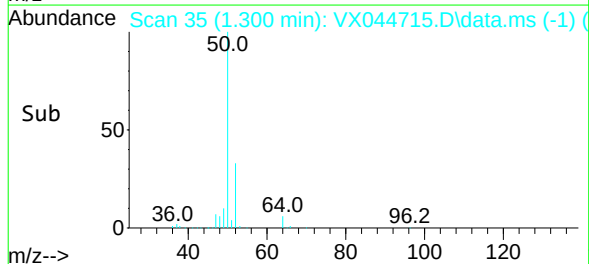
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01



Tgt Ion: 50 Resp: 50371
Ion Ratio Lower Upper
50 100
52 32.6 27.0 40.4

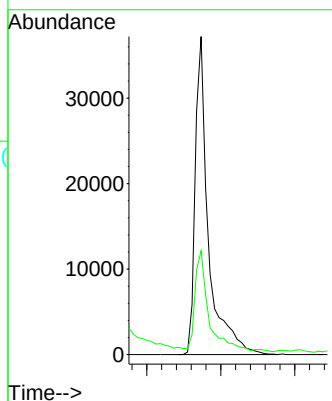
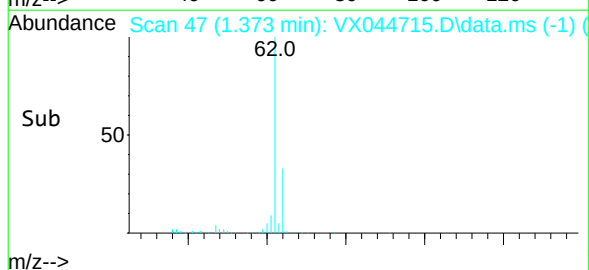
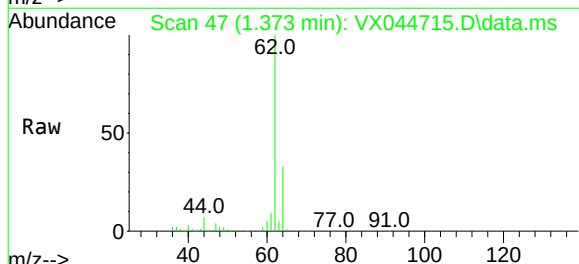
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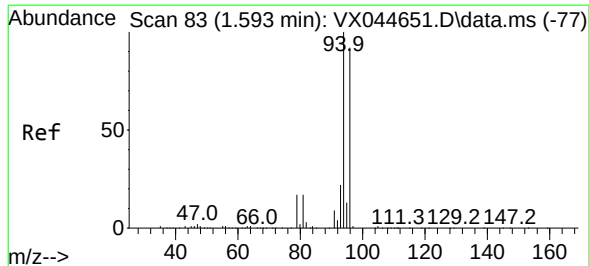
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#4
Vinyl Chloride
Concen: 17.683 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 62 Resp: 46045
Ion Ratio Lower Upper
62 100
64 31.4 26.6 39.8





#5

Bromomethane

Concen: 19.887 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 94 Resp: 12365

Ion Ratio Lower Upper

94 100

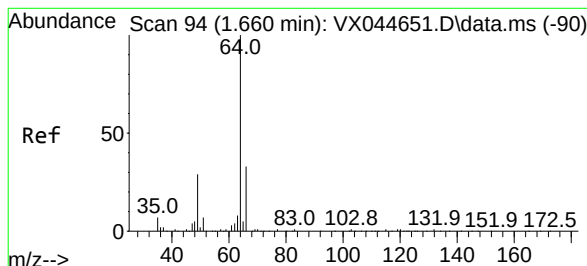
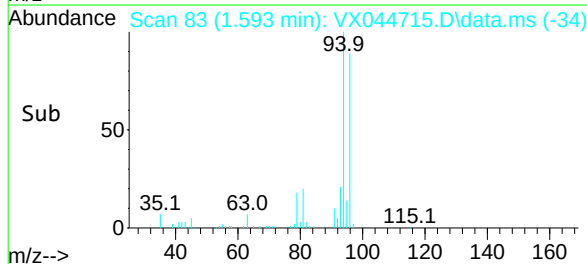
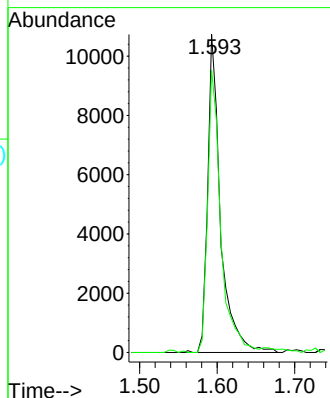
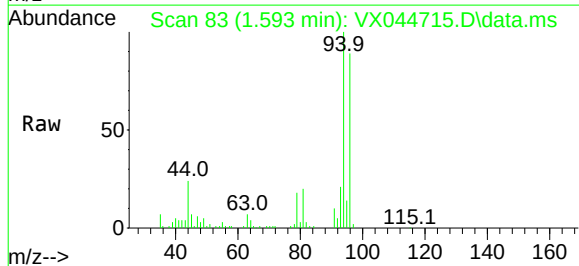
96 88.8 72.8 109.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#6

Chloroethane

Concen: 40.984 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX044715.D

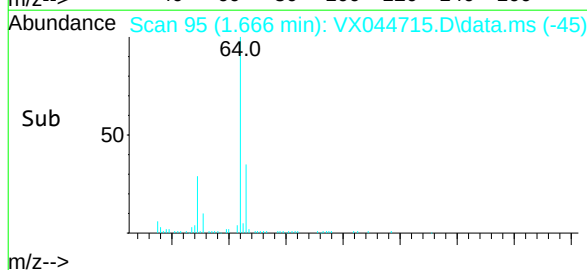
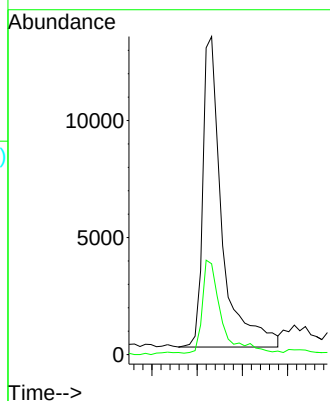
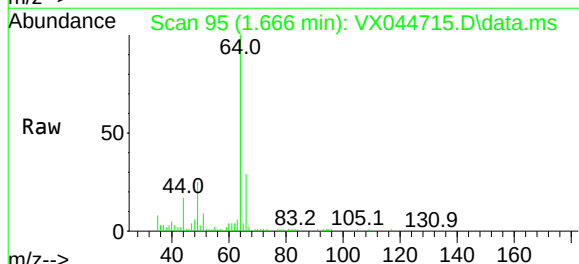
Acq: 27 Jan 2025 11:52

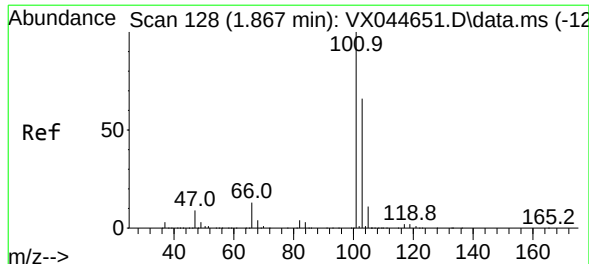
Tgt Ion: 64 Resp: 19570

Ion Ratio Lower Upper

64 100

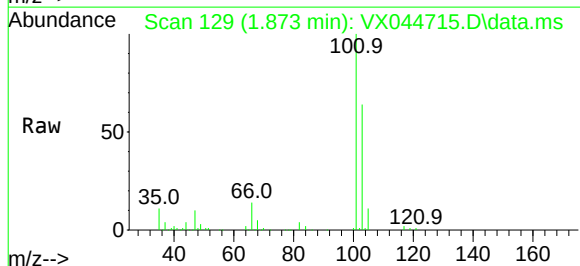
66 28.6 26.6 39.8





#7
 Trichlorofluoromethane
 Concen: 17.623 ug/l
 RT: 1.873 min Scan# 12
 Delta R.T. 0.006 min
 Lab File: VX044715.D
 Acq: 27 Jan 2025 11:52

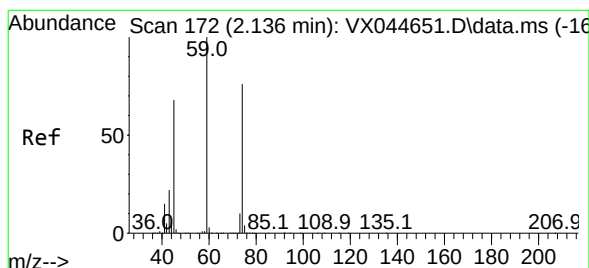
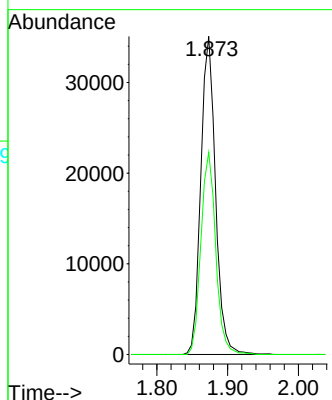
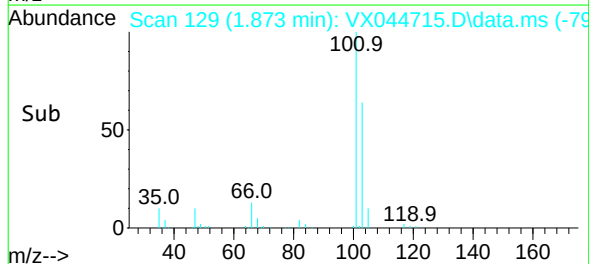
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBSD01



Tgt Ion: 101 Resp: 50717
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.5 78.7

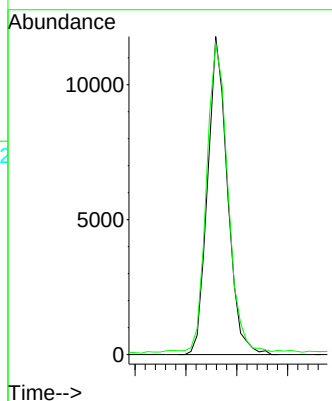
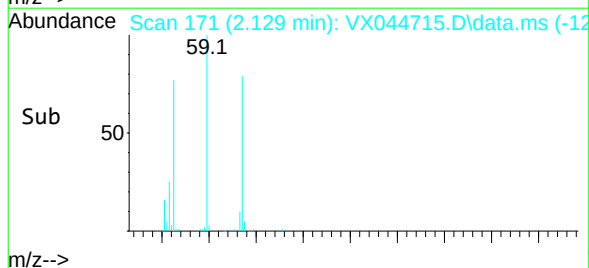
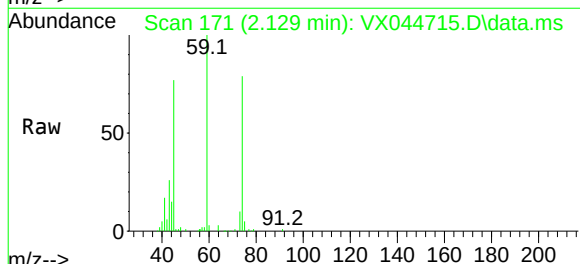
Manual Integrations
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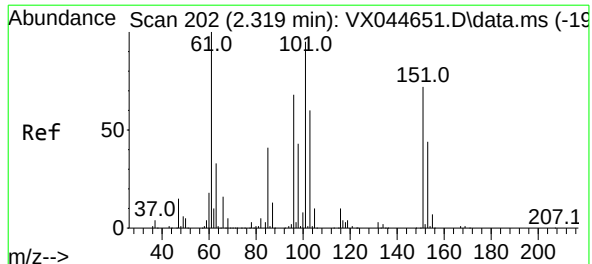
Reviewed By : John Carlone 01/28/2025
 Supervised By : Mahesh Dadoda 01/28/2025



#8
 Diethyl Ether
 Concen: 13.762 ug/l
 RT: 2.129 min Scan# 171
 Delta R.T. -0.006 min
 Lab File: VX044715.D
 Acq: 27 Jan 2025 11:52

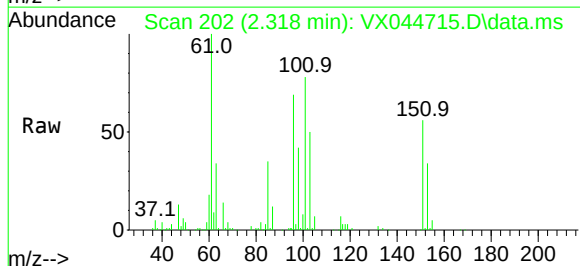
Tgt Ion: 74 Resp: 15983
 Ion Ratio Lower Upper
 74 100
 45 106.3 47.1 141.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.041 ug/l
RT: 2.318 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

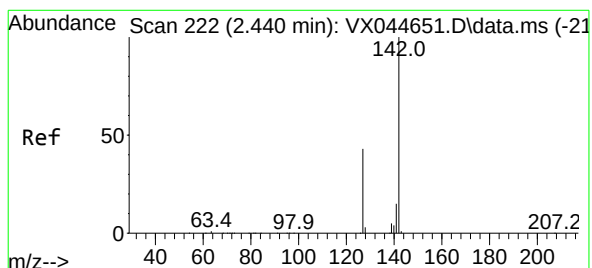
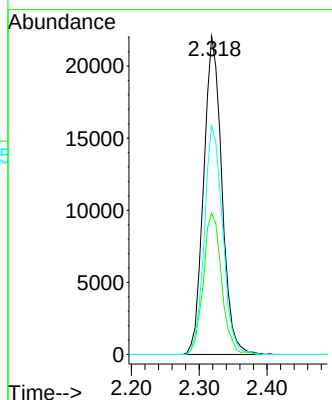
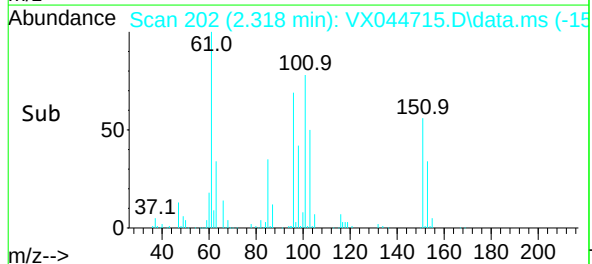
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01



Tgt Ion:101 Resp: 41192
Ion Ratio Lower Upper
101 100
85 44.4 35.3 52.9
151 72.0 58.2 87.4

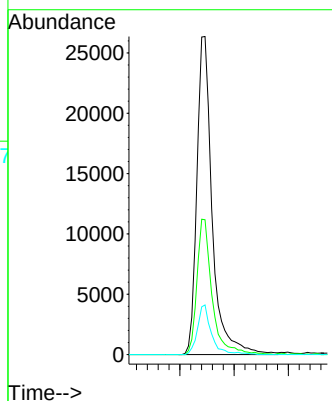
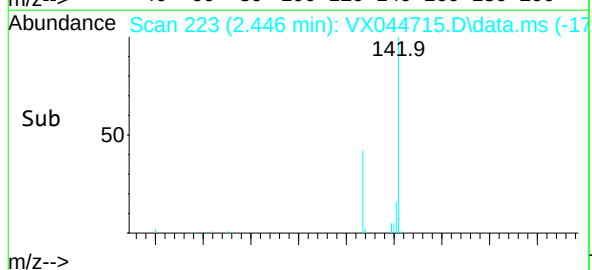
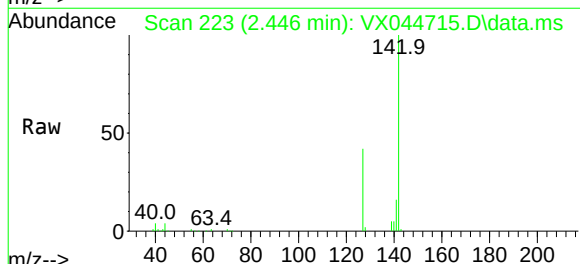
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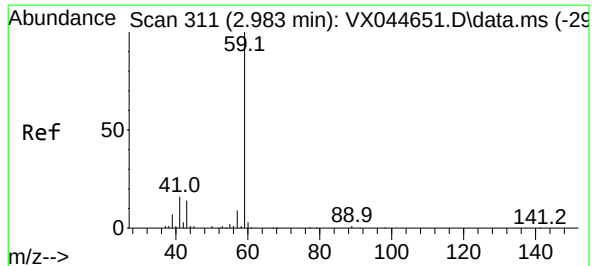
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#10
Methyl Iodide
Concen: 17.555 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

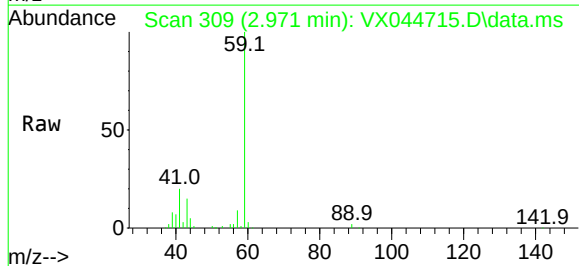
Tgt Ion:142 Resp: 51850
Ion Ratio Lower Upper
142 100
127 42.0 35.0 52.4
141 14.3 11.7 17.5





#11
Tert butyl alcohol
Concen: 86.265 ug/l
RT: 2.971 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

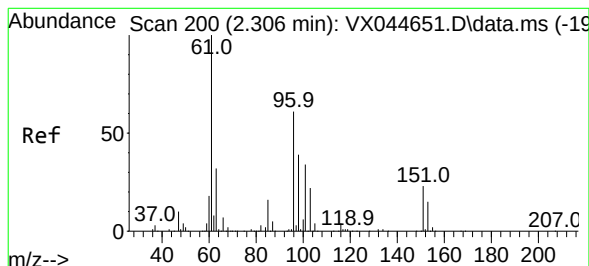
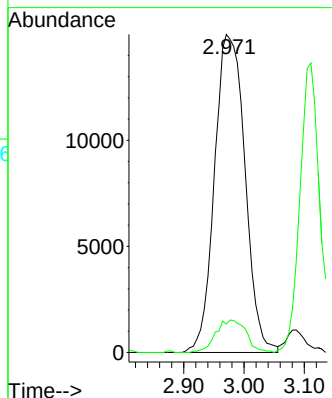
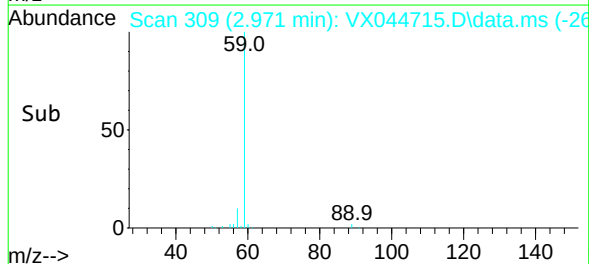
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01



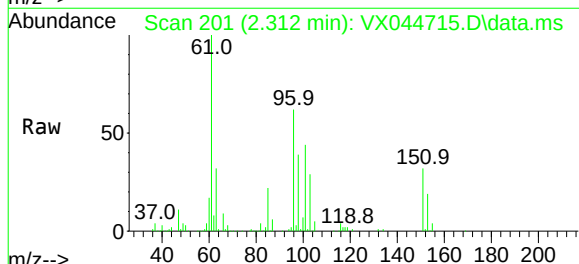
Tgt Ion: 59 Resp: 52572
Ion Ratio Lower Upper
59 100
57 10.2 3.9 5.9#

Manual Integrations
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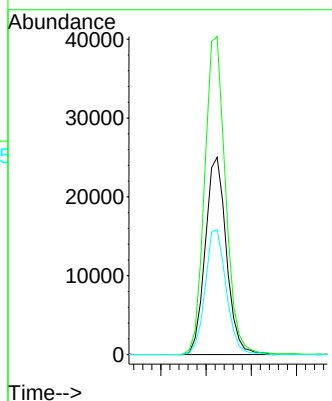
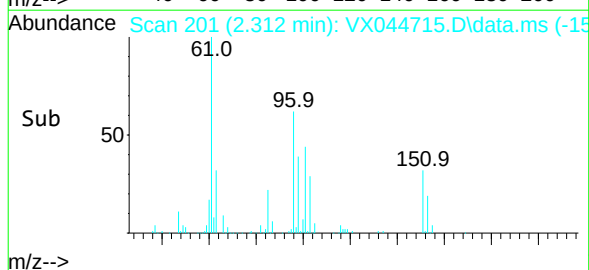
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

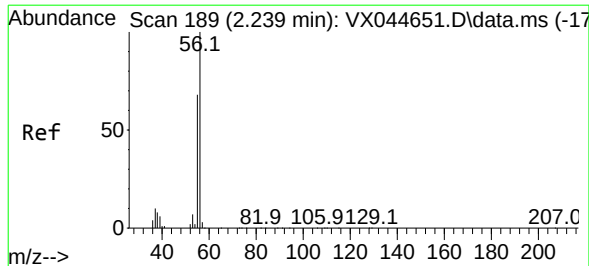


#12
1,1-Dichloroethene
Concen: 19.179 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52



Tgt Ion: 96 Resp: 40671
Ion Ratio Lower Upper
96 100
61 161.2 131.1 196.7
98 63.3 51.2 76.8





#13

Acrolein

Concen: 68.368 ug/l

RT: 2.233 min Scan# 189

Delta R.T. -0.006 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 56 Resp: 19607

Ion Ratio Lower Upper

56 100

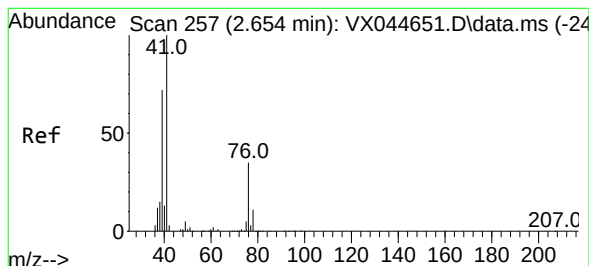
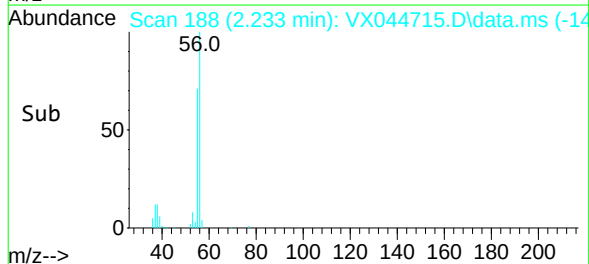
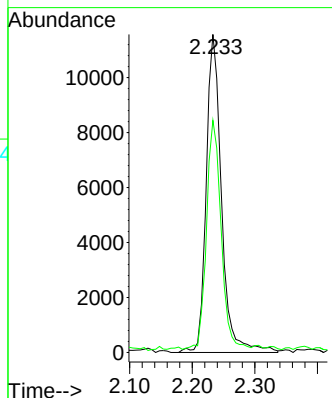
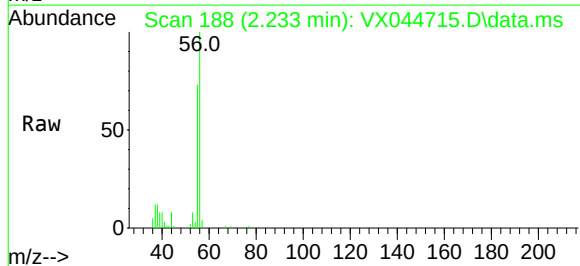
55 68.6 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#14

Allyl chloride

Concen: 18.227 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

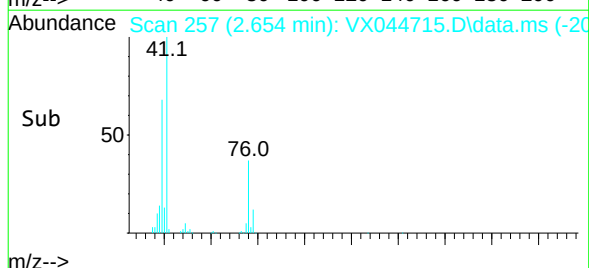
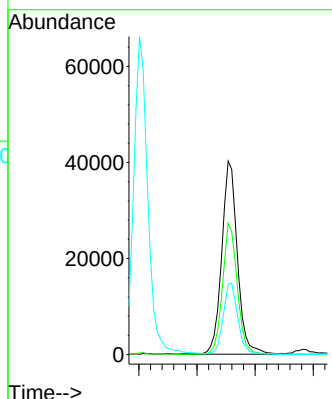
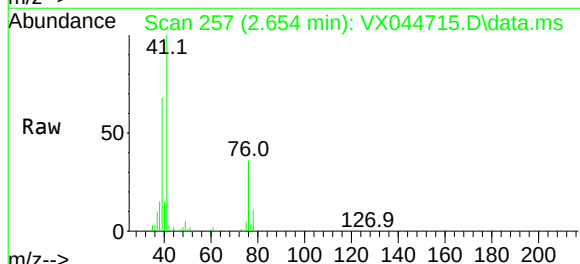
Tgt Ion: 41 Resp: 75257

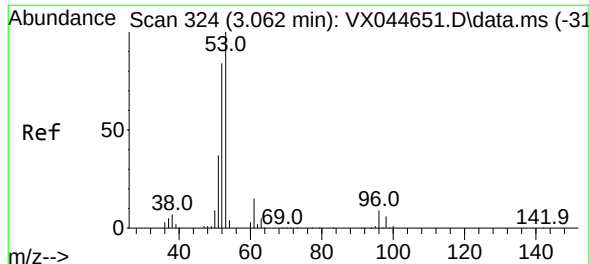
Ion Ratio Lower Upper

41 100

39 64.4 54.9 82.3

76 34.9 28.4 42.6





#15

Acrylonitrile

Concen: 99.311 ug/l

RT: 3.056 min Scan# 32

Delta R.T. -0.006 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 53 Resp: 118706

Ion Ratio Lower Upper

53 100

52 83.0 66.0 99.0

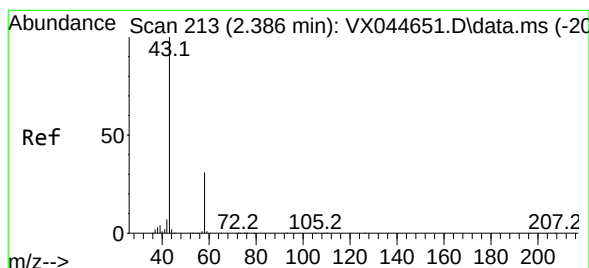
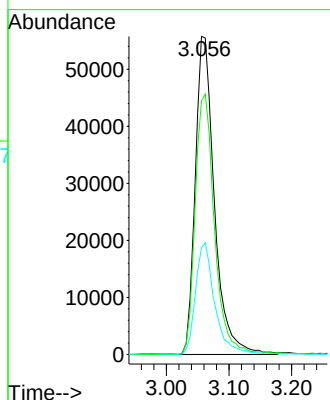
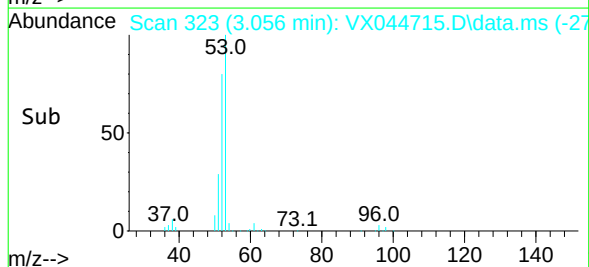
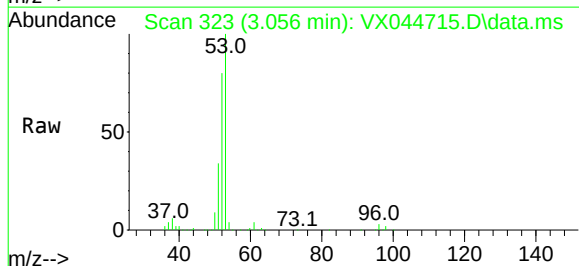
51 34.8 28.9 43.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#16

Acetone

Concen: 87.792 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX044715.D

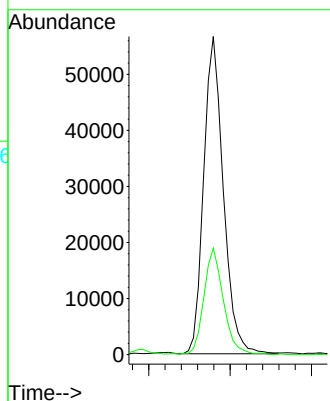
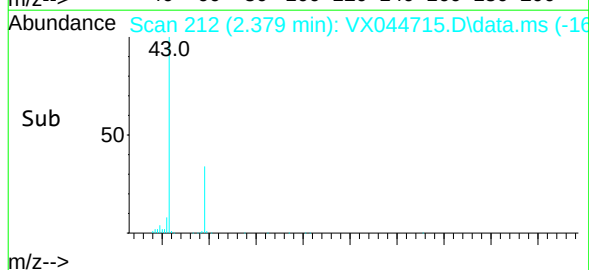
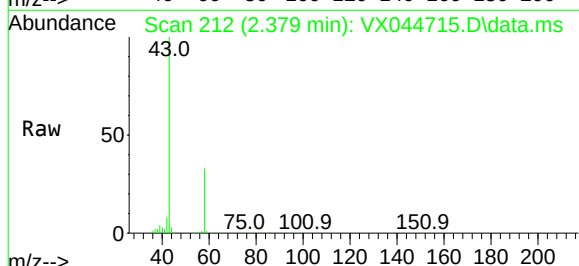
Acq: 27 Jan 2025 11:52

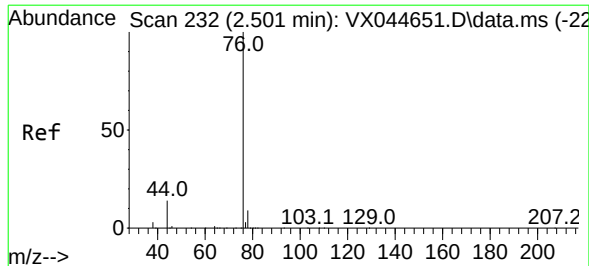
Tgt Ion: 43 Resp: 94951

Ion Ratio Lower Upper

43 100

58 33.4 24.6 37.0





#17

Carbon Disulfide

Concen: 19.250 ug/l

RT: 2.501 min Scan# 23

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 76 Resp: 111388

Ion Ratio Lower Upper

76 100

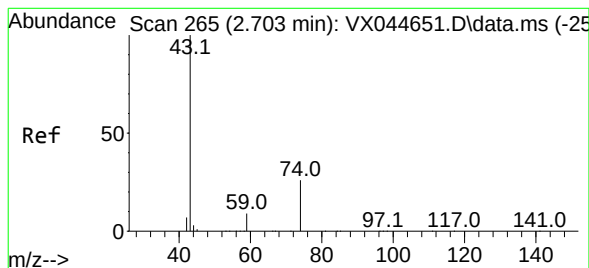
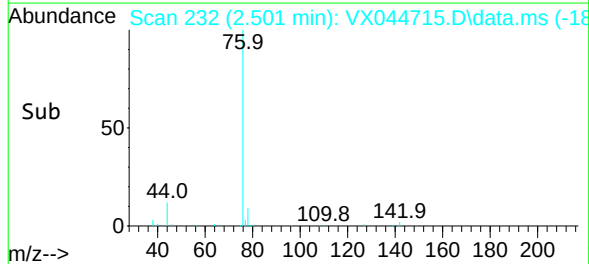
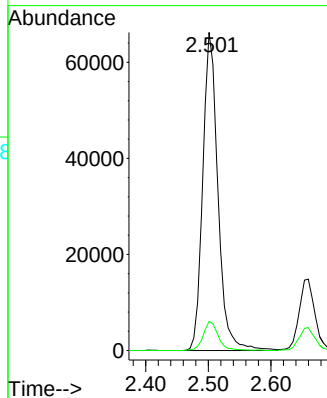
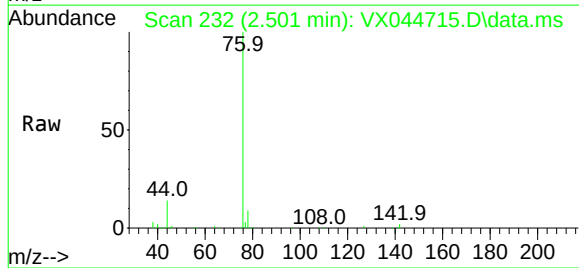
78 9.1 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#18

Methyl Acetate

Concen: 19.791 ug/l

RT: 2.696 min Scan# 264

Delta R.T. -0.006 min

Lab File: VX044715.D

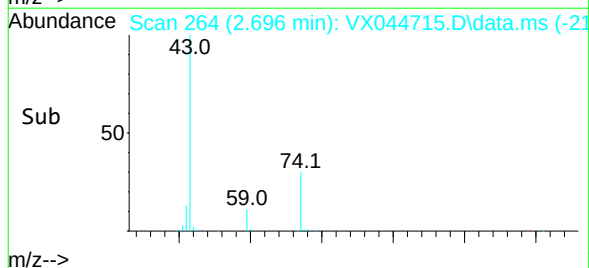
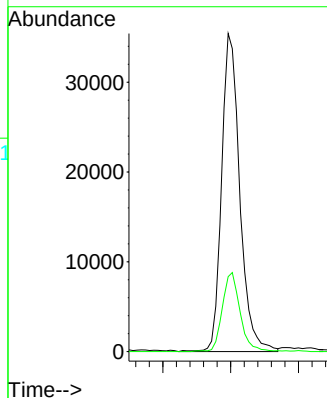
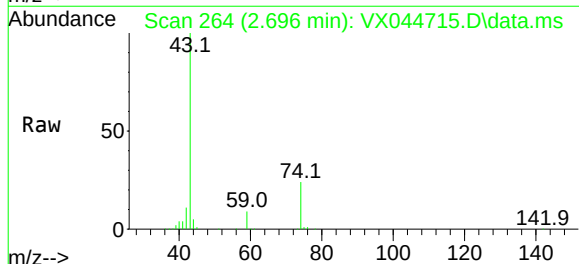
Acq: 27 Jan 2025 11:52

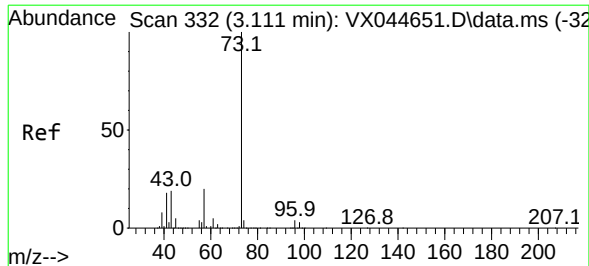
Tgt Ion: 43 Resp: 66037

Ion Ratio Lower Upper

43 100

74 24.4 19.8 29.8





#19

Methyl tert-butyl Ether

Concen: 18.047 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 73 Resp: 138618

Ion Ratio Lower Upper

73 100

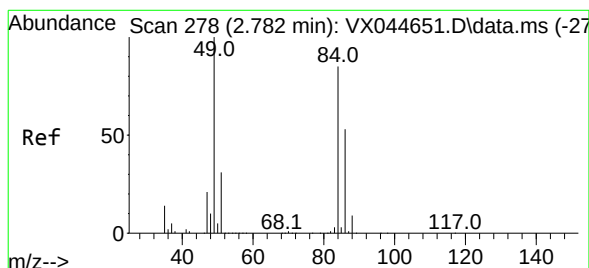
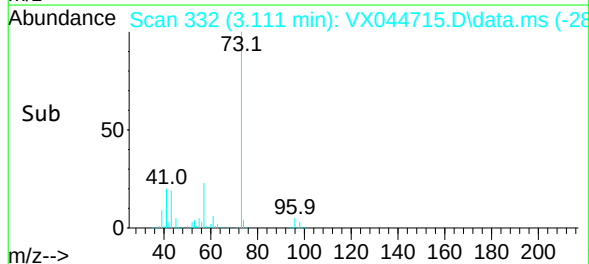
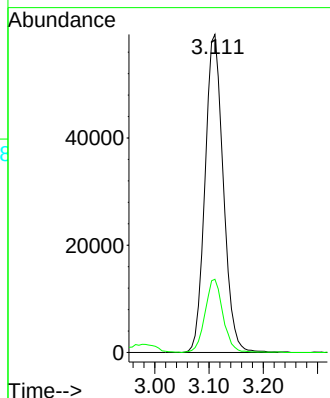
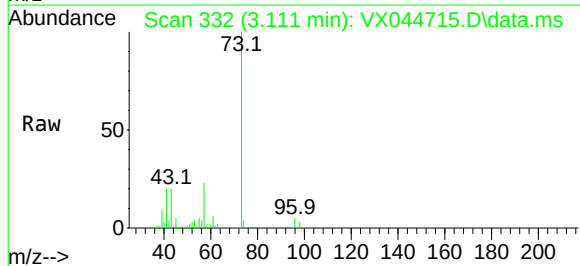
57 22.9 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#20

Methylene Chloride

Concen: 18.162 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Tgt Ion: 84 Resp: 45743

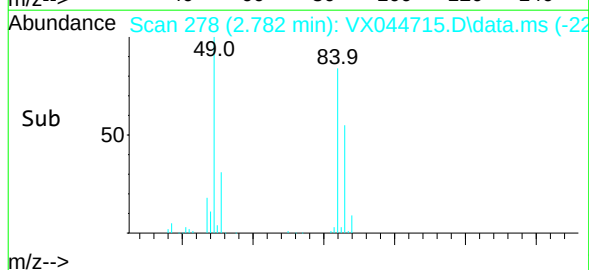
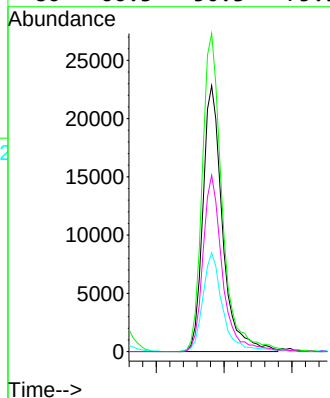
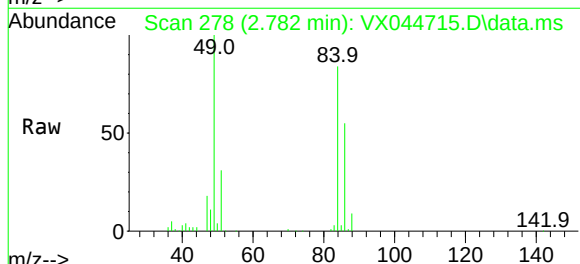
Ion Ratio Lower Upper

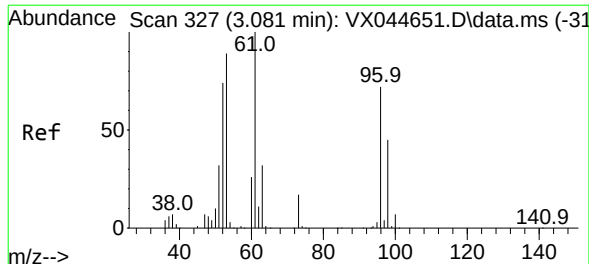
84 100

49 119.6 94.2 141.4

51 37.1 28.8 43.2

86 66.3 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 18.364 ug/l

RT: 3.086 min Scan# 327

Delta R.T. 0.006 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 96 Resp: 40658

Ion Ratio Lower Upper

96 100

61 135.6 111.0 166.6

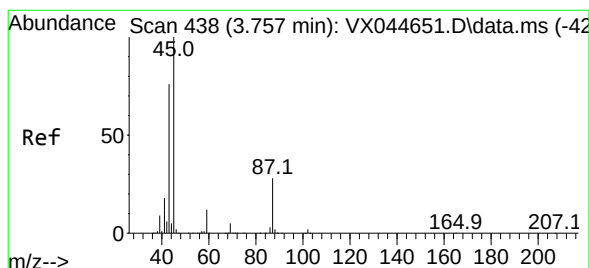
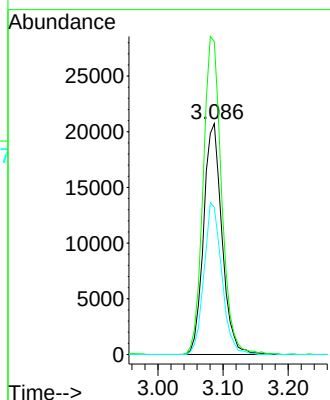
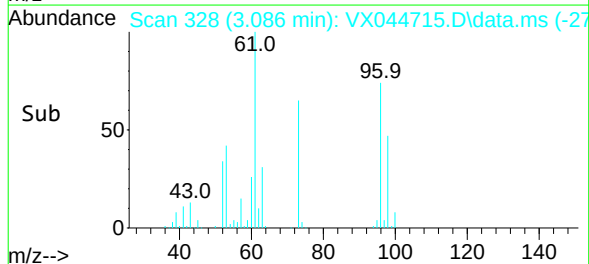
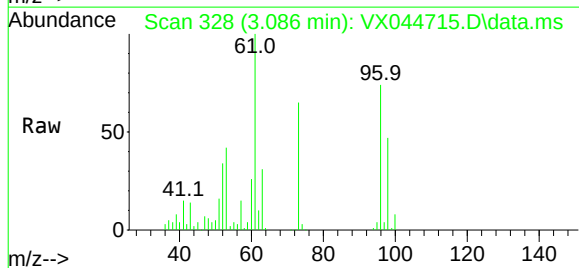
98 63.8 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#22

Diisopropyl ether

Concen: 19.734 ug/l

RT: 3.757 min Scan# 438

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Tgt Ion: 45 Resp: 141633

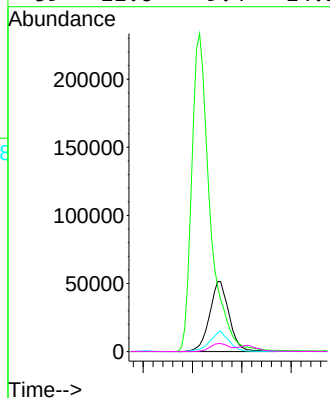
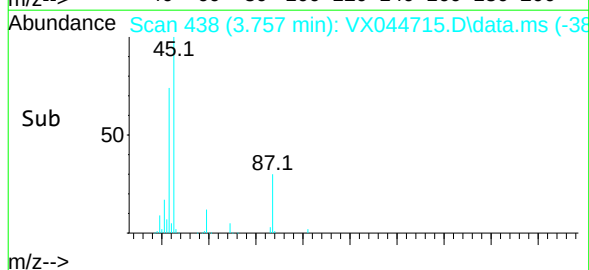
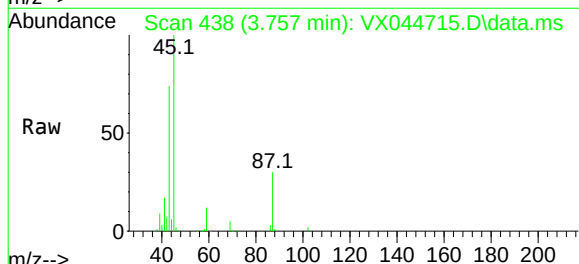
Ion Ratio Lower Upper

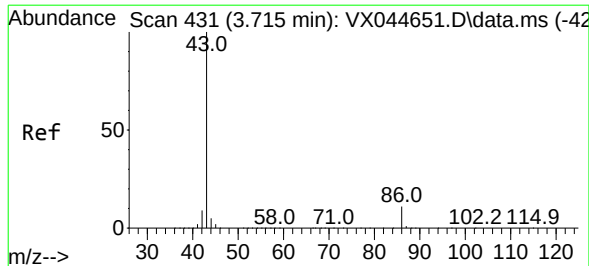
45 100

43 73.2 61.0 91.6

87 29.6 22.7 34.1

59 11.6 9.4 14.2





#23

Vinyl Acetate

Concen: 95.967 ug/l

RT: 3.714 min Scan# 431

Delta R.T. -0.000 min

Lab File: VX044715.D

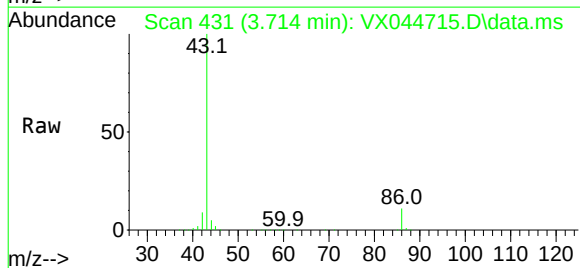
Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01



Tgt Ion: 43 Resp: 602846

Ion Ratio Lower Upper

43 100

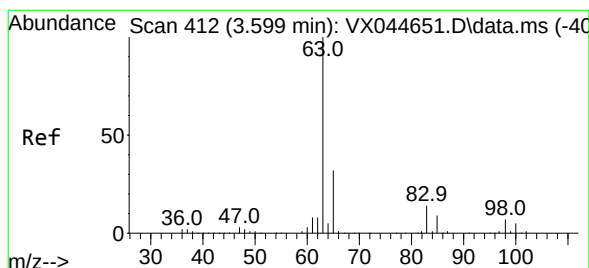
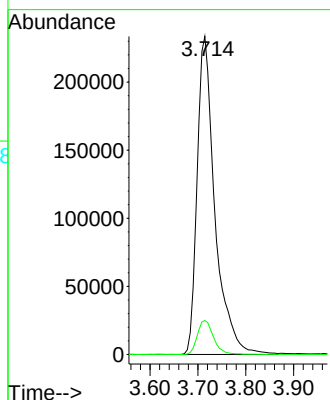
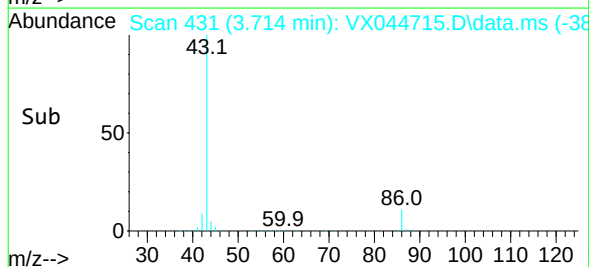
86 10.7 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#24

1,1-Dichloroethane

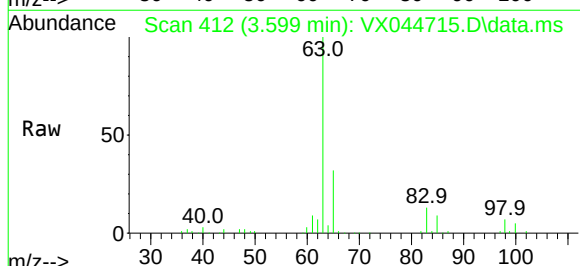
Concen: 18.558 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52



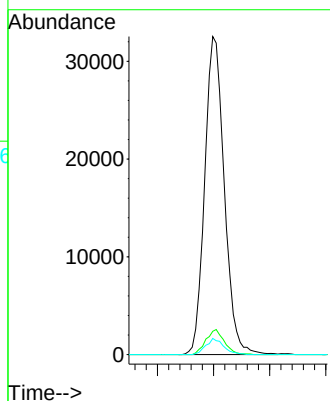
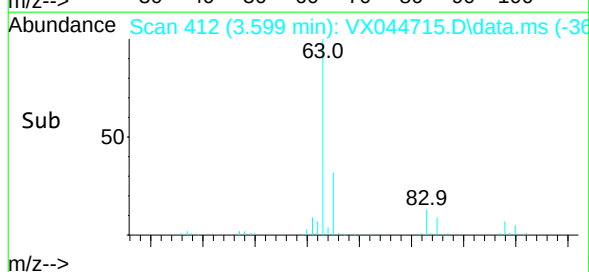
Tgt Ion: 63 Resp: 78982

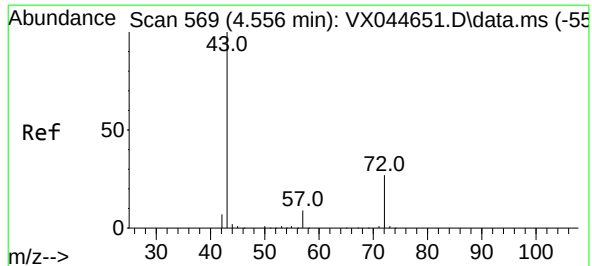
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 5.1 2.5 7.5





#25

2-Butanone

Concen: 98.011 ug/l

RT: 4.550 min Scan# 56

Delta R.T. -0.006 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 43 Resp: 157607

Ion Ratio Lower Upper

43 100

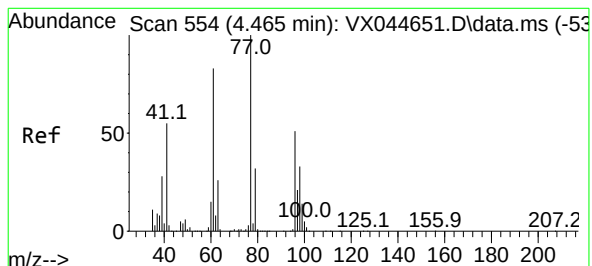
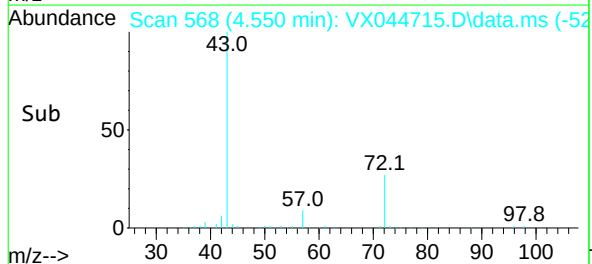
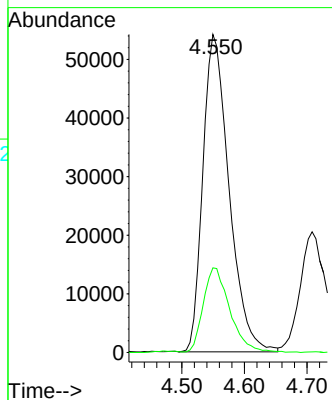
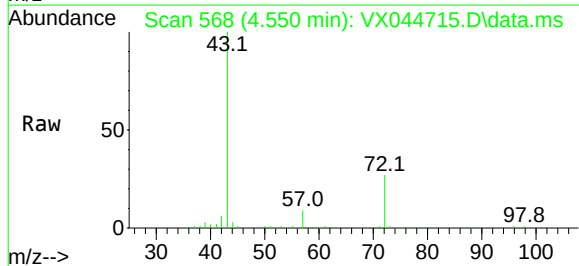
72 26.4 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#26

2,2-Dichloropropane

Concen: 16.394 ug/l

RT: 4.464 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX044715.D

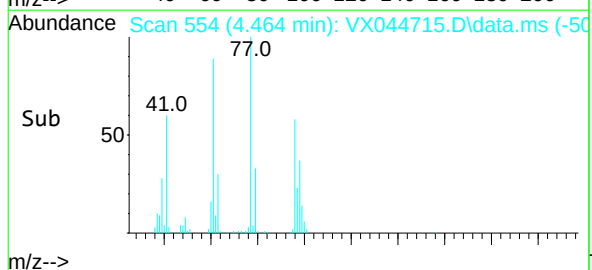
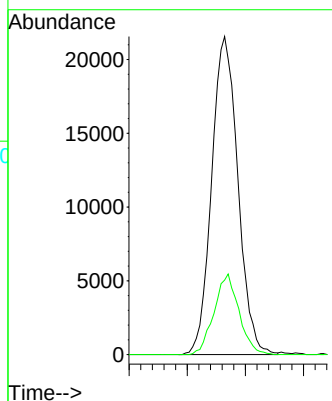
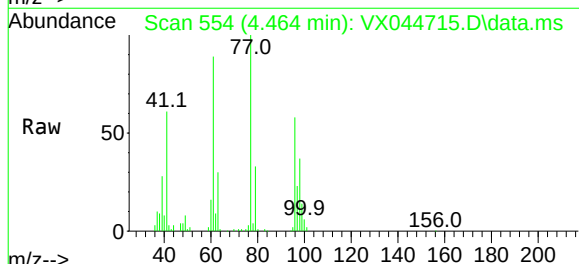
Acq: 27 Jan 2025 11:52

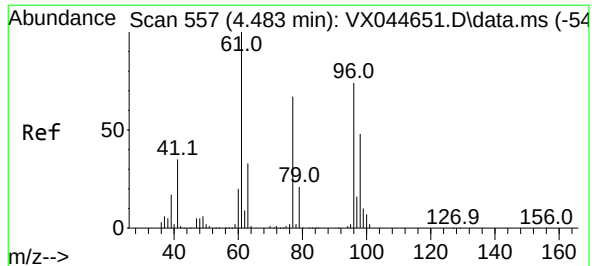
Tgt Ion: 77 Resp: 67624

Ion Ratio Lower Upper

77 100

97 24.0 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 18.038 ug/l

RT: 4.476 min Scan# 55

Delta R.T. -0.006 min

Lab File: VX044715.D

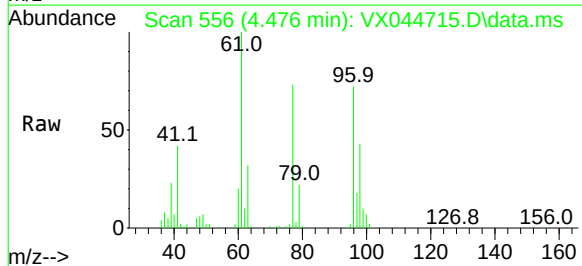
Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01



Tgt Ion: 96 Resp: 50234

Ion Ratio Lower Upper

96 100

61 144.6 0.0 296.0

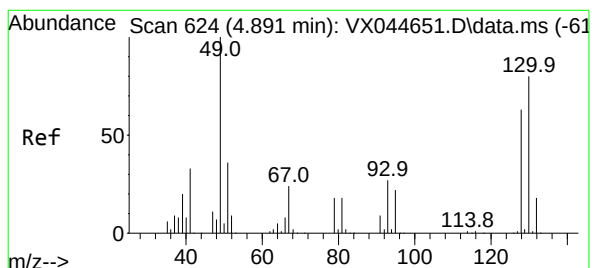
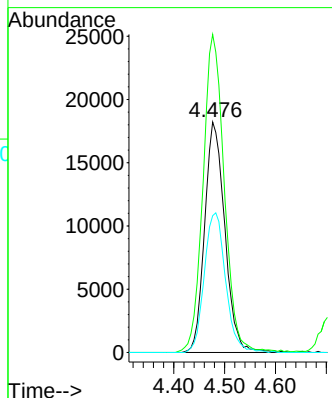
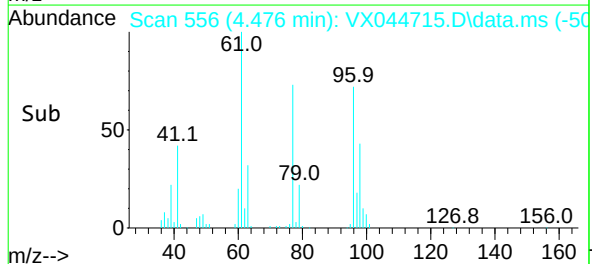
98 64.0 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#28

Bromochloromethane

Concen: 19.697 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

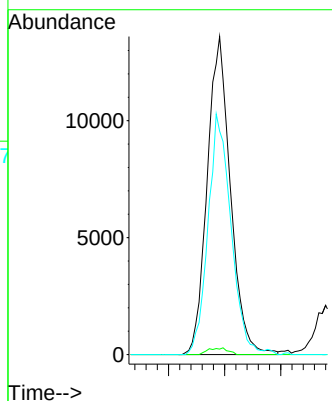
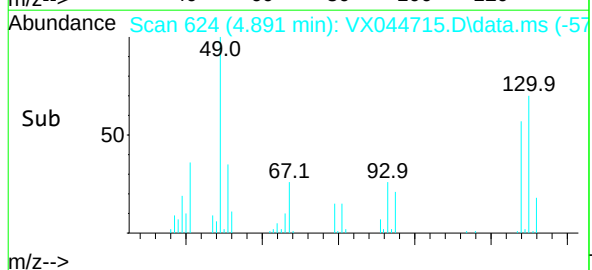
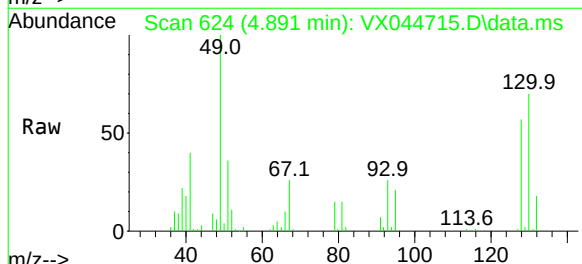
Tgt Ion: 49 Resp: 39174

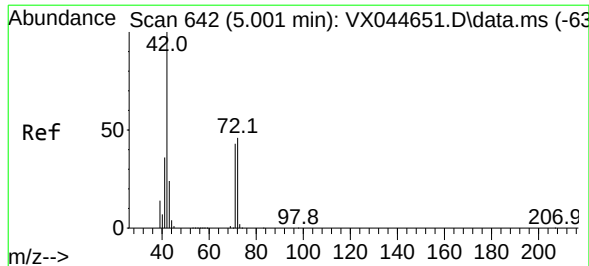
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.4

130 74.4 63.4 95.2





#29

Tetrahydrofuran

Concen: 98.627 ug/l

RT: 5.001 min Scan# 642

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 42 Resp: 102301

Ion Ratio Lower Upper

42 100

72 46.8 38.2 57.4

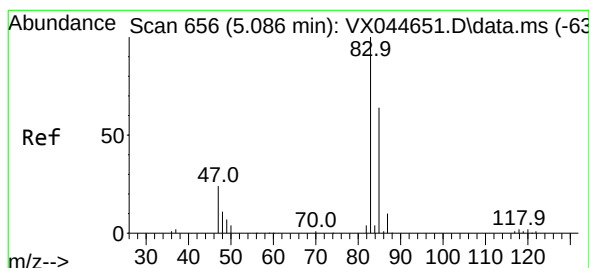
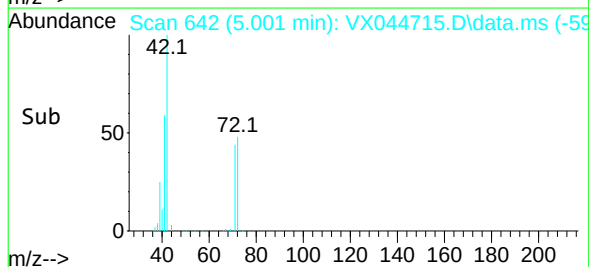
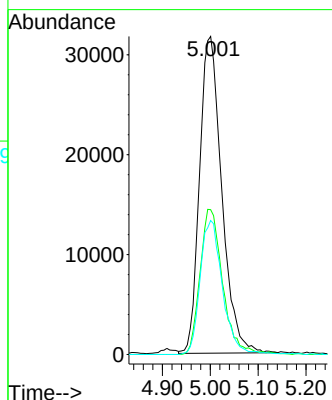
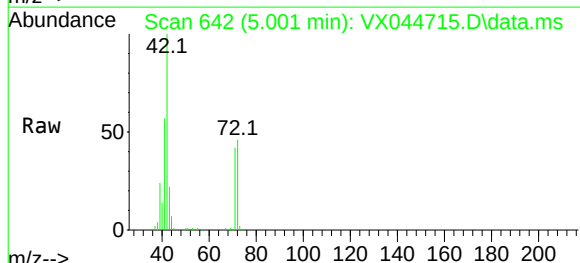
71 42.5 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#30

Chloroform

Concen: 17.964 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX044715.D

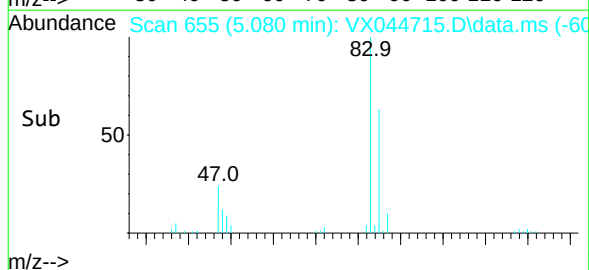
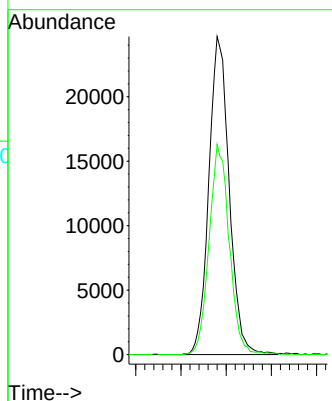
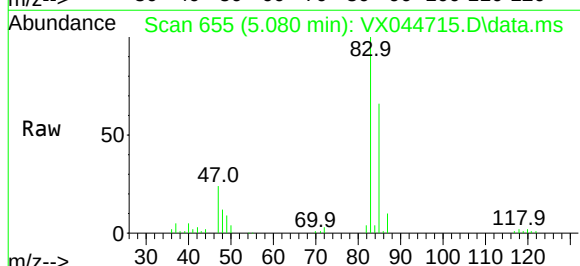
Acq: 27 Jan 2025 11:52

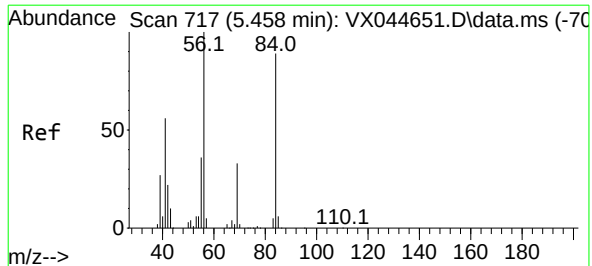
Tgt Ion: 83 Resp: 77159

Ion Ratio Lower Upper

83 100

85 66.1 51.2 76.8





#31

Cyclohexane

Concen: 20.706 ug/l

RT: 5.464 min Scan# 717

Delta R.T. 0.006 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 56 Resp: 71276

Ion Ratio Lower Upper

56 100

69 32.4 26.8 40.2

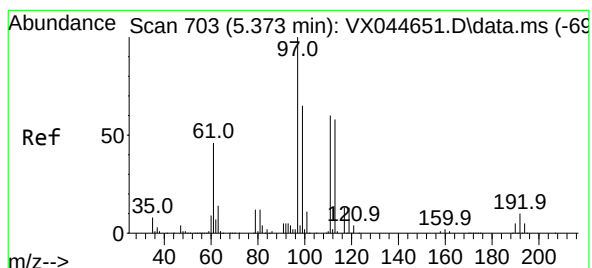
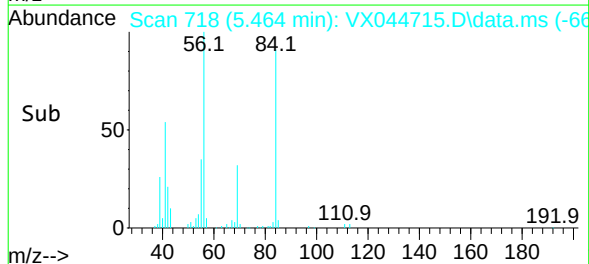
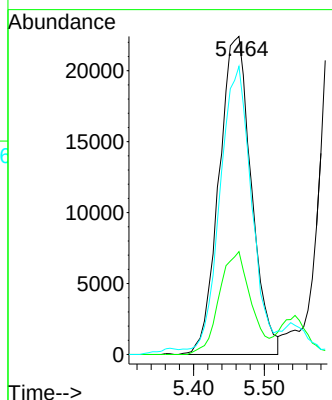
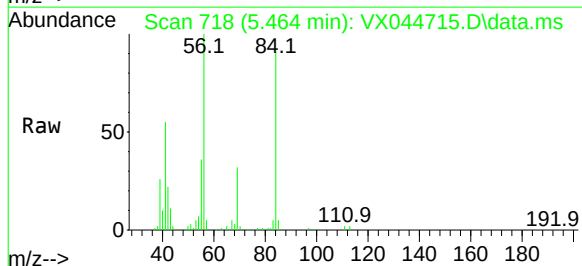
84 89.1 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#32

1,1,1-Trichloroethane

Concen: 16.710 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

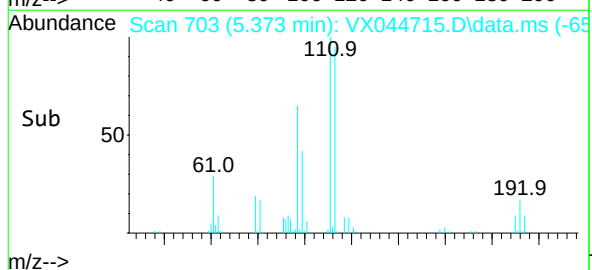
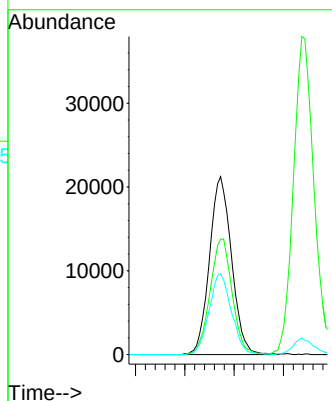
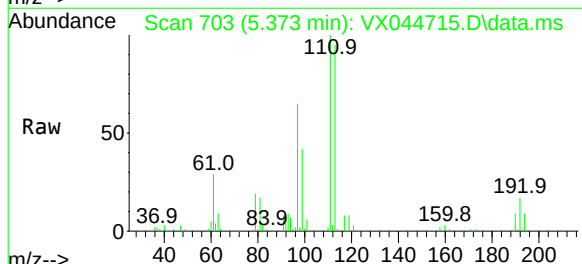
Tgt Ion: 97 Resp: 65982

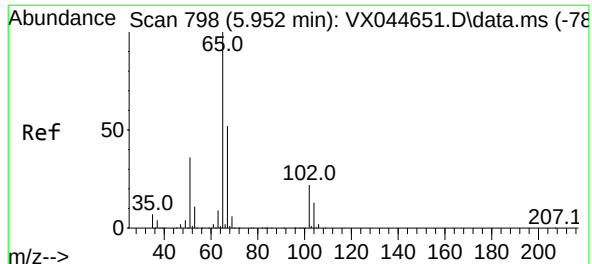
Ion Ratio Lower Upper

97 100

99 65.0 51.6 77.4

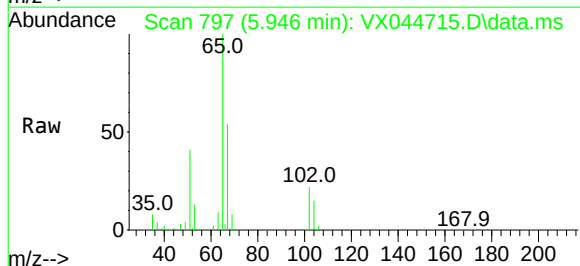
61 46.1 35.6 53.4





#33
1,2-Dichloroethane-d4
Concen: 42.108 ug/l
RT: 5.946 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

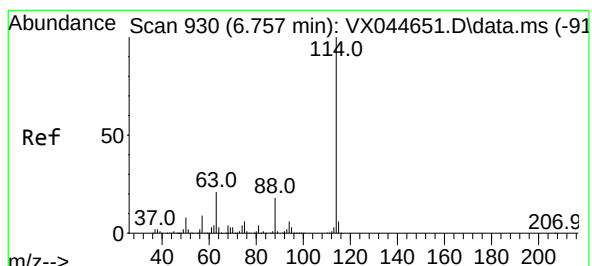
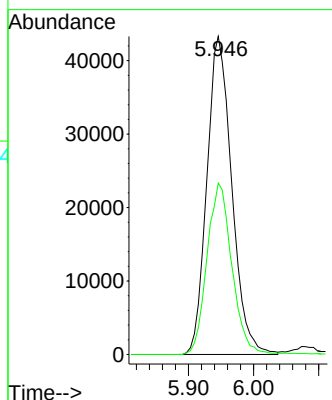
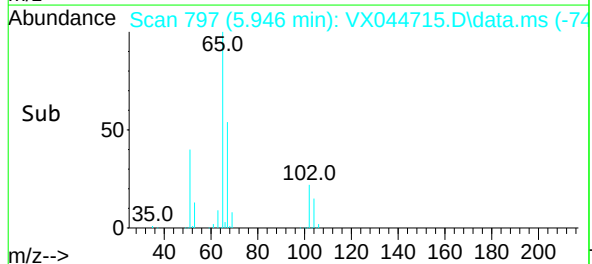
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01



Tgt Ion: 65 Resp: 115109
Ion Ratio Lower Upper
65 100
67 54.0 0.0 103.4

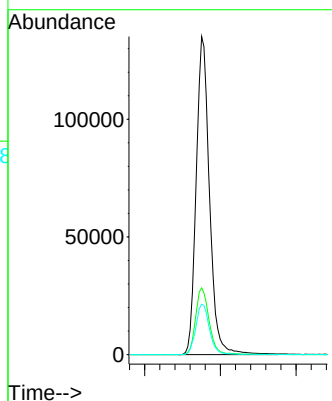
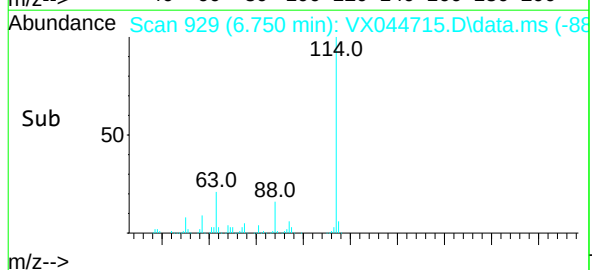
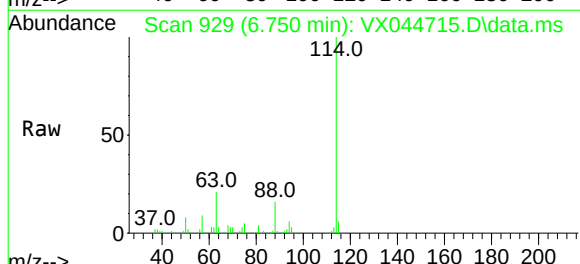
Manual Integrations
APPROVED

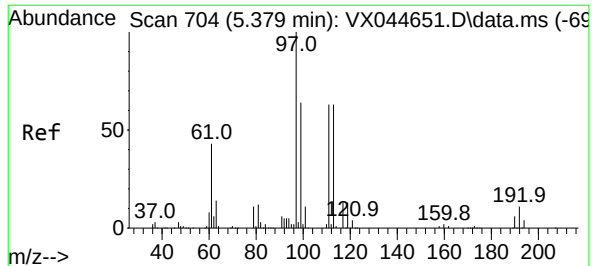
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:114 Resp: 329948
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.0
88 15.8 0.0 35.4





#35

Dibromofluoromethane

Concen: 45.125 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion:113 Resp: 94586

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

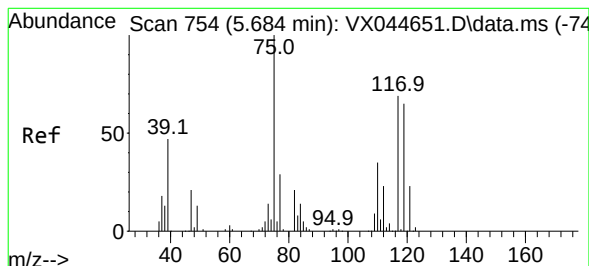
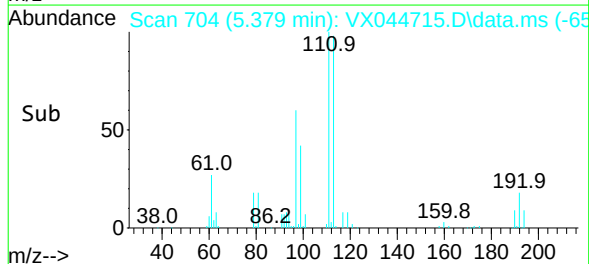
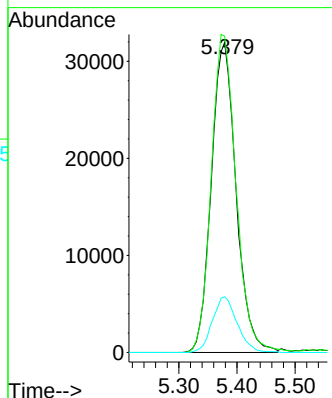
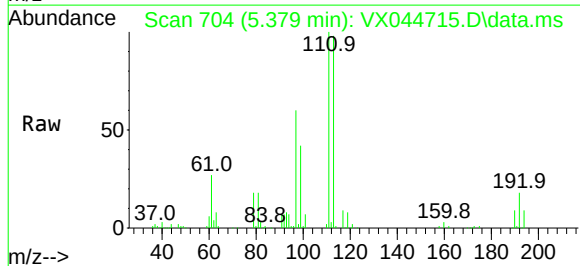
192 18.1 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#36

1,1-Dichloropropene

Concen: 18.373 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

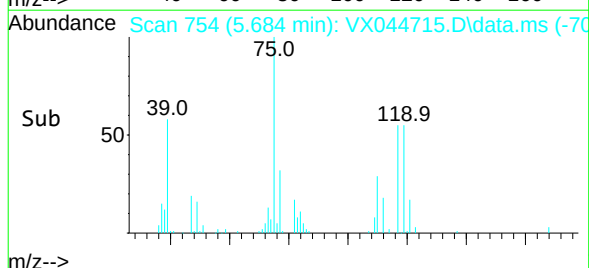
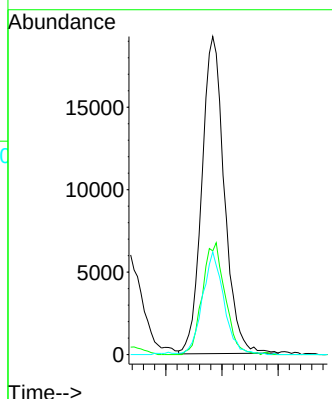
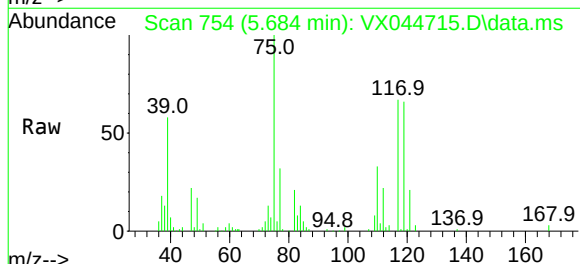
Tgt Ion: 75 Resp: 53609

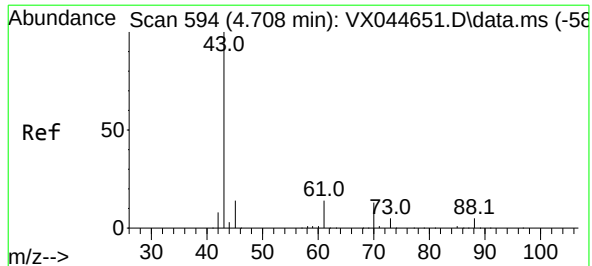
Ion Ratio Lower Upper

75 100

110 35.5 17.9 53.8

77 31.1 24.5 36.7





#37

Ethyl Acetate

Concen: 19.668 ug/l

RT: 4.708 min Scan# 594

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 43 Resp: 61115

Ion Ratio Lower Upper

43 100

61 14.9 10.9 16.3

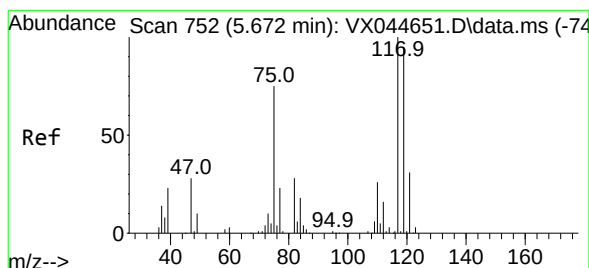
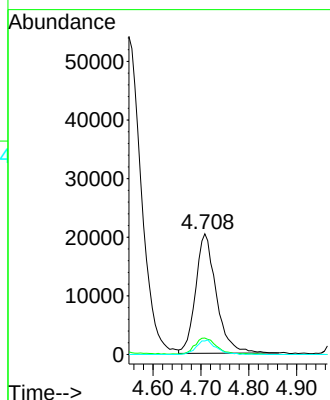
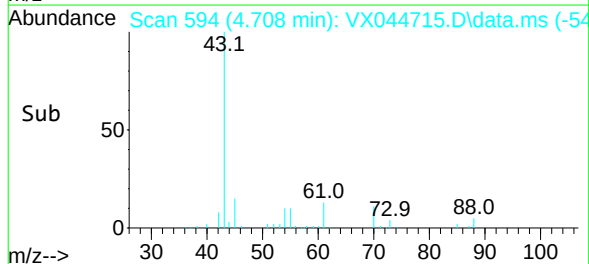
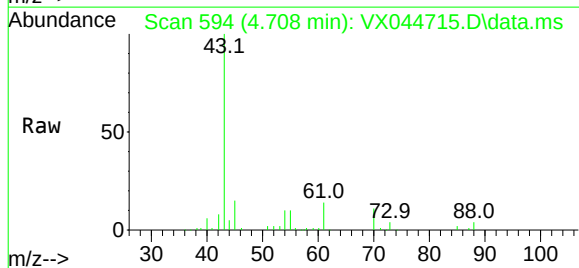
70 11.4 10.1 15.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#38

Carbon Tetrachloride

Concen: 17.165 ug/l

RT: 5.665 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

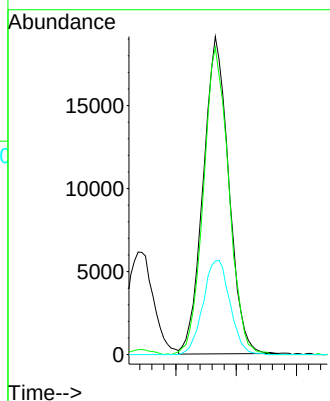
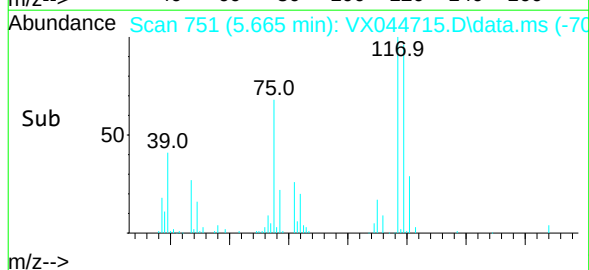
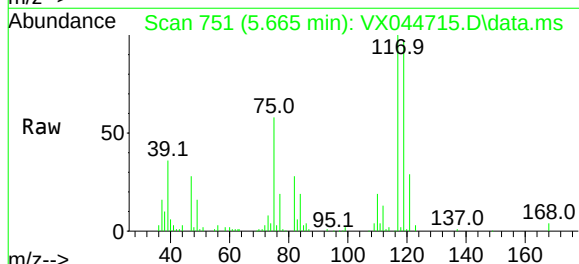
Tgt Ion:117 Resp: 56337

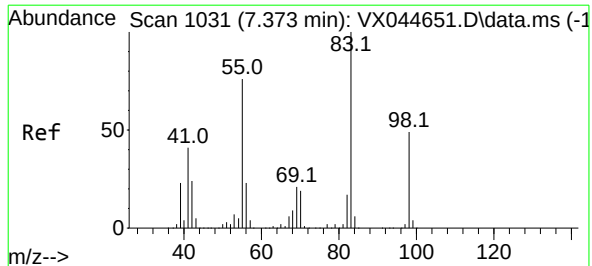
Ion Ratio Lower Upper

117 100

119 96.9 76.0 114.0

121 29.5 24.6 36.8





#39

Methylcyclohexane

Concen: 19.415 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX044715.D

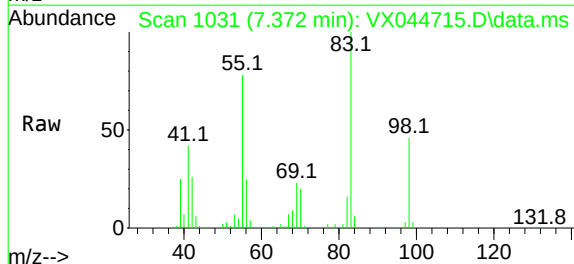
Acq: 27 Jan 2025 11:52

Instrument :

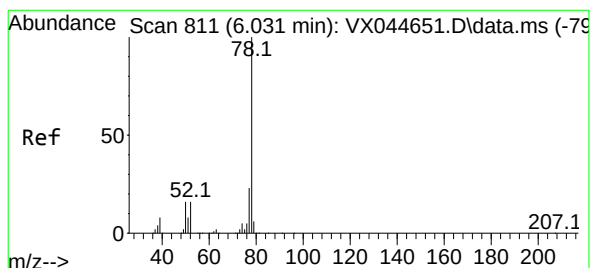
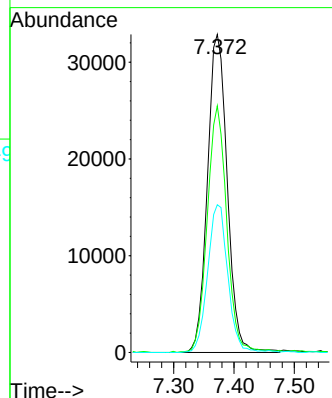
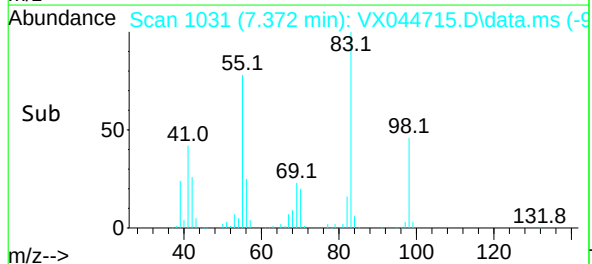
MSVOA_X

ClientSampleId :

VX0127WBSD01



Tgt Ion:	83	Resp:	75204
Ion	Ratio	Lower	Upper
83	100		
55	77.3	60.5	90.7
98	46.5	39.0	58.4

Manual Integrations
APPROVEDReviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

#40

Benzene

Concen: 19.166 ug/l

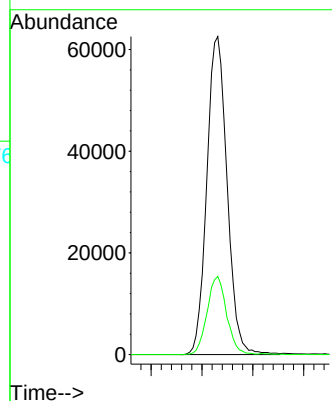
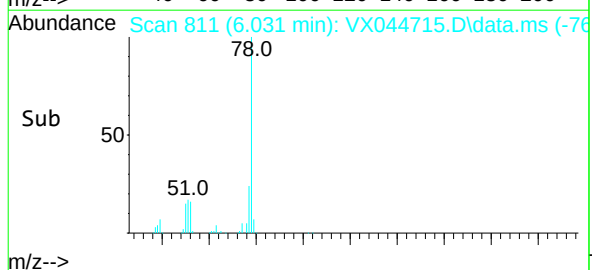
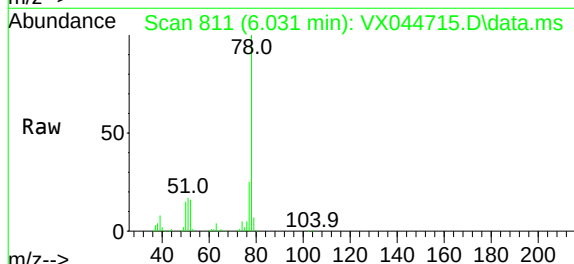
RT: 6.031 min Scan# 811

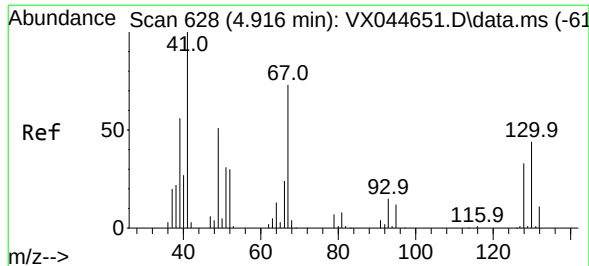
Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Tgt Ion:	78	Resp:	173290
Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.7	28.1





#41

Methacrylonitrile

Concen: 19.259 ug/l

RT: 4.915 min Scan# 62

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 41 Resp: 34872

Ion Ratio Lower Upper

41 100

39 55.7 44.4 66.6

67 72.3 60.6 90.8

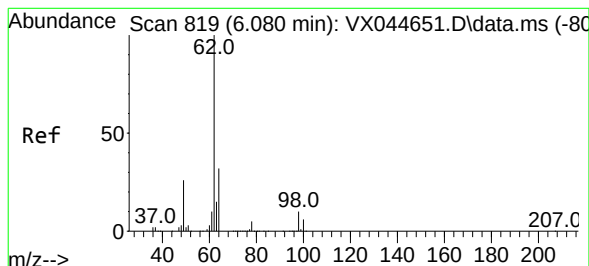
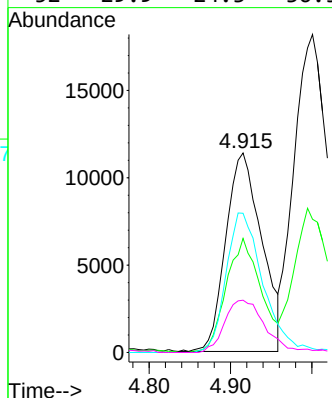
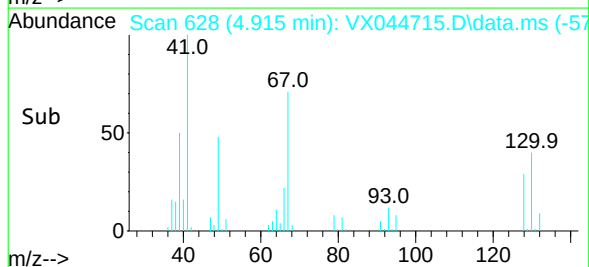
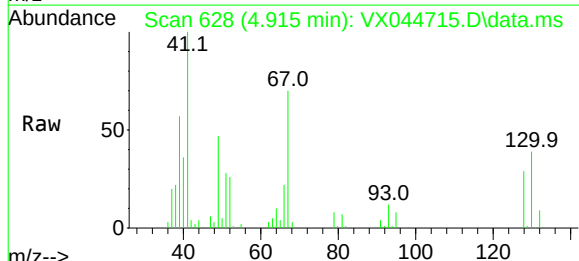
52 29.9 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#42

1,2-Dichloroethane

Concen: 17.395 ug/l

RT: 6.080 min Scan# 819

Delta R.T. -0.000 min

Lab File: VX044715.D

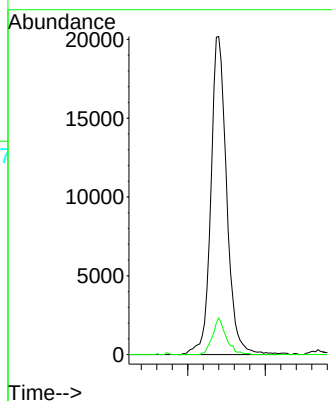
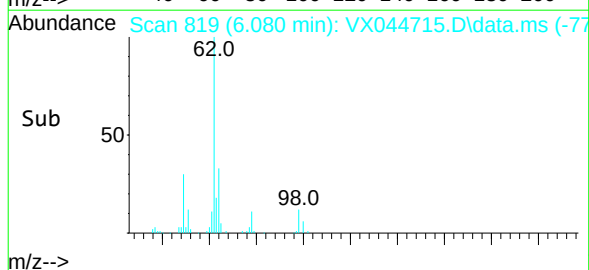
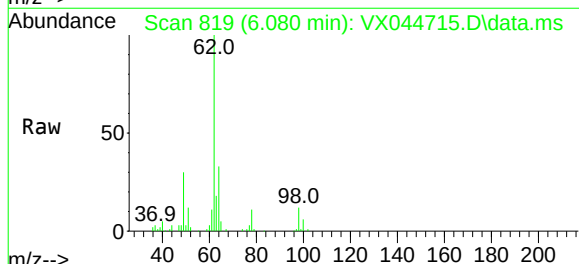
Acq: 27 Jan 2025 11:52

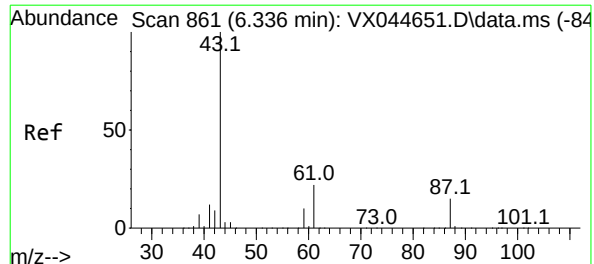
Tgt Ion: 62 Resp: 57405

Ion Ratio Lower Upper

62 100

98 9.9 0.0 19.4





#43

Isopropyl Acetate

Concen: 18.779 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 43 Resp: 107342

Ion Ratio Lower Upper

43 100

61 21.3 16.6 24.8

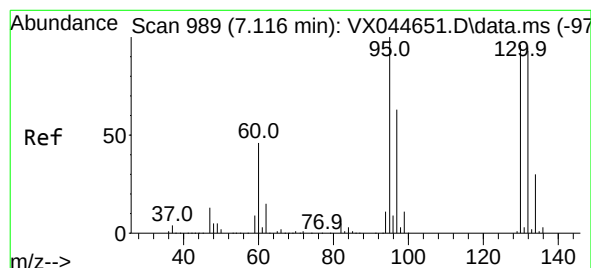
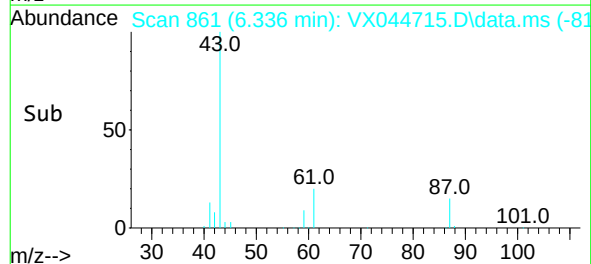
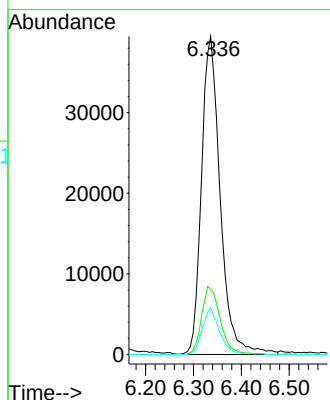
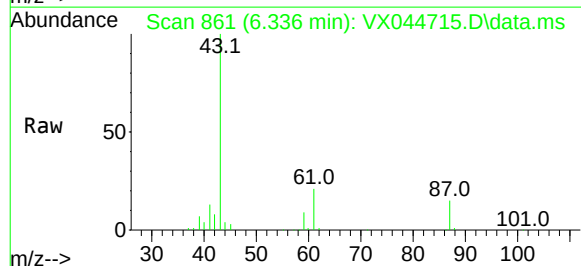
87 13.3 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#44

Trichloroethene

Concen: 18.461 ug/l

RT: 7.122 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX044715.D

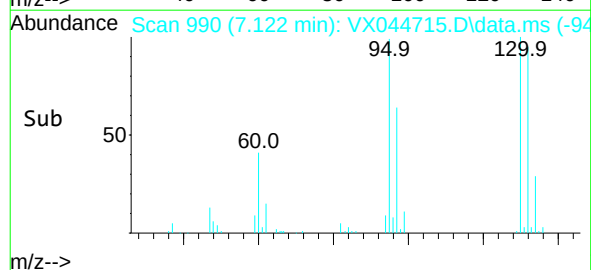
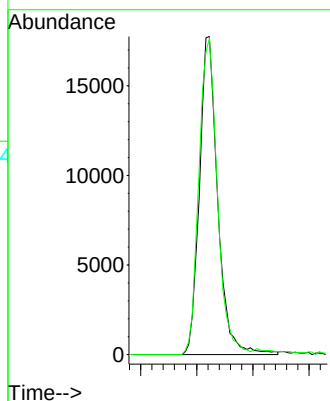
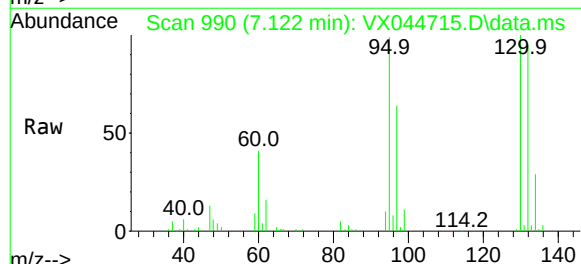
Acq: 27 Jan 2025 11:52

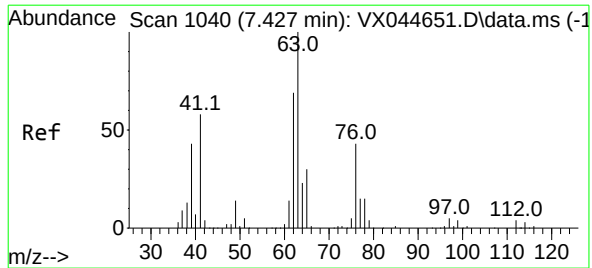
Tgt Ion:130 Resp: 40128

Ion Ratio Lower Upper

130 100

95 99.4 0.0 208.2





#45

1,2-Dichloropropane

Concen: 19.056 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 63 Resp: 43371

Ion Ratio Lower Upper

63 100

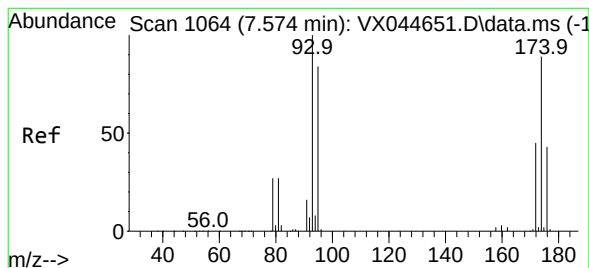
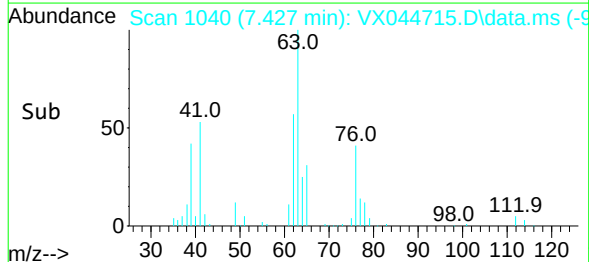
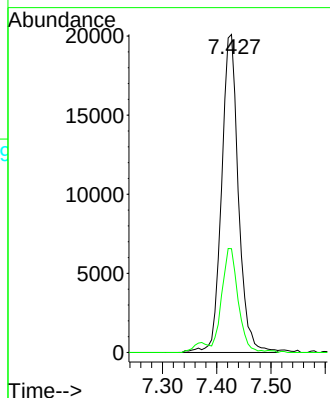
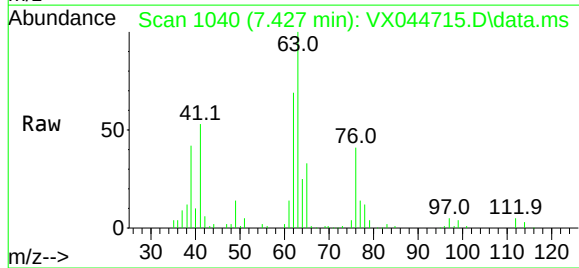
65 32.6 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#46

Dibromomethane

Concen: 17.427 ug/l

RT: 7.573 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

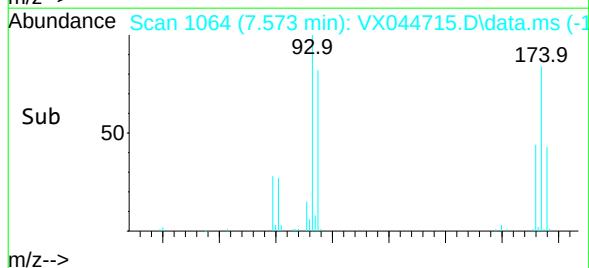
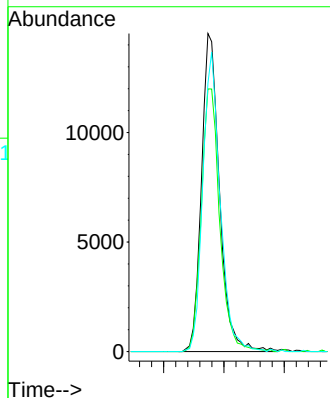
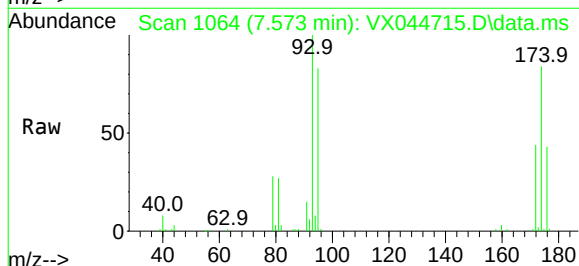
Tgt Ion: 93 Resp: 30193

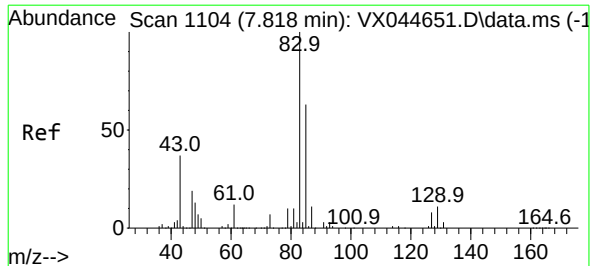
Ion Ratio Lower Upper

93 100

95 84.6 66.4 99.6

174 90.9 72.0 108.0





#47

Bromodichloromethane

Concen: 17.405 ug/l

RT: 7.817 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX044715.D

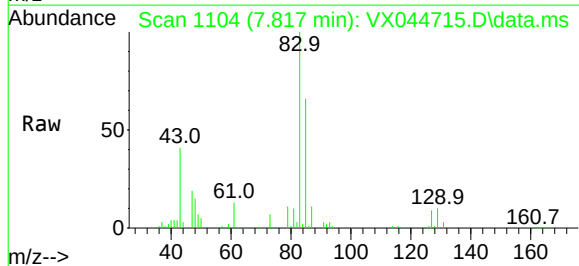
Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01



Tgt Ion: 83 Resp: 61842

Ion Ratio Lower Upper

83 100

85 65.5 50.1 75.1

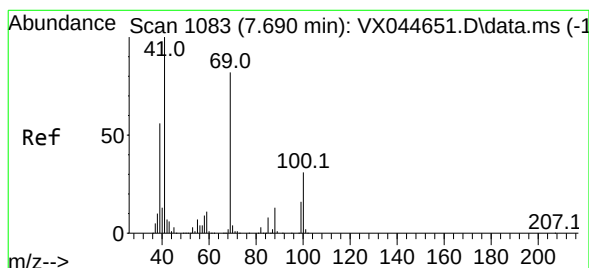
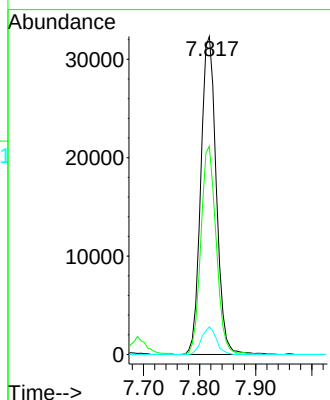
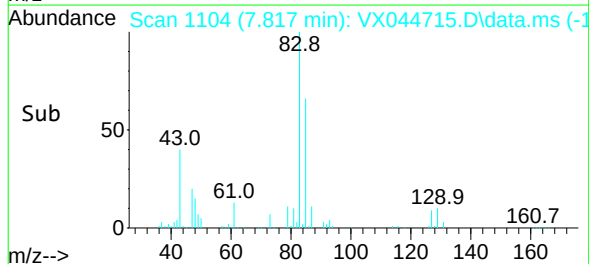
127 8.7 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#48

Methyl methacrylate

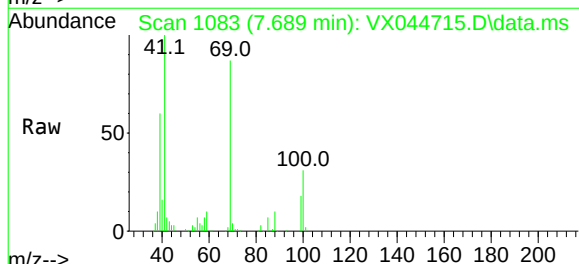
Concen: 18.924 ug/l

RT: 7.689 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52



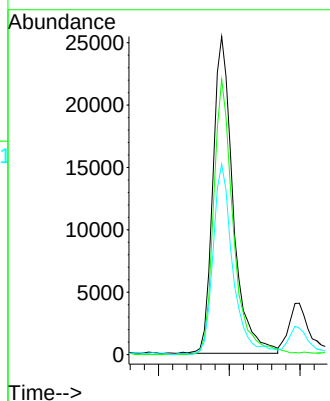
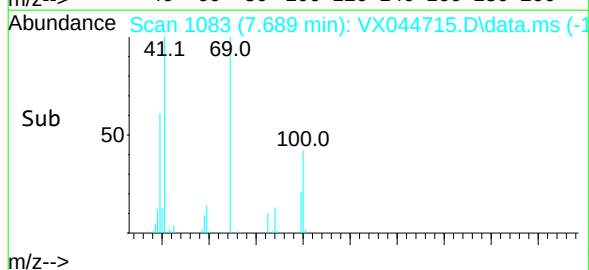
Tgt Ion: 41 Resp: 50212

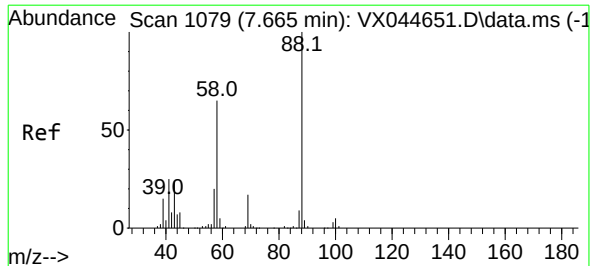
Ion Ratio Lower Upper

41 100

69 84.8 66.8 100.2

39 59.1 47.4 71.0





#49

1,4-Dioxane

Concen: 379.274 ug/l

RT: 7.659 min Scan# 1079

Delta R.T. -0.006 min

Lab File: VX044715.D

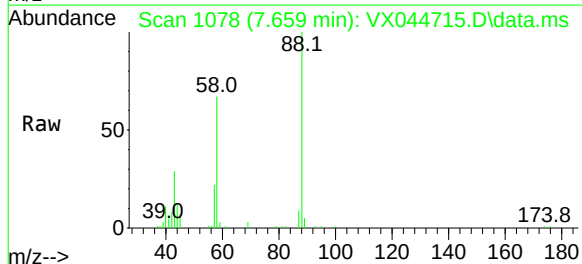
Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01



Tgt Ion: 88 Resp: 20996

Ion Ratio Lower Upper

88 100

43 34.5 27.0 40.4

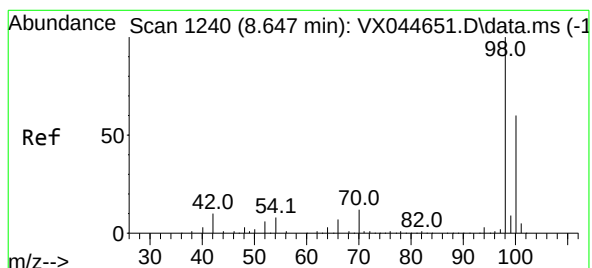
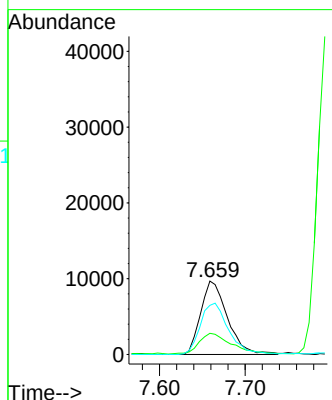
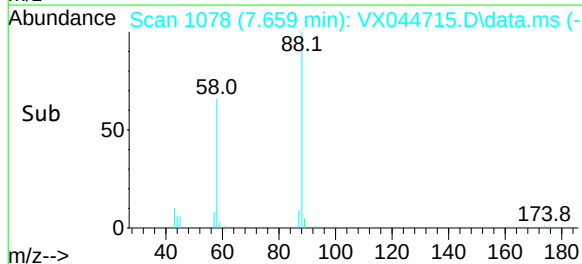
58 74.0 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#50

Toluene-d8

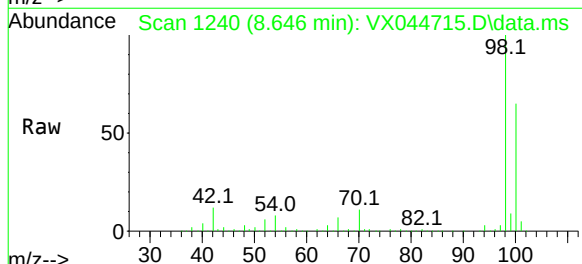
Concen: 48.069 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

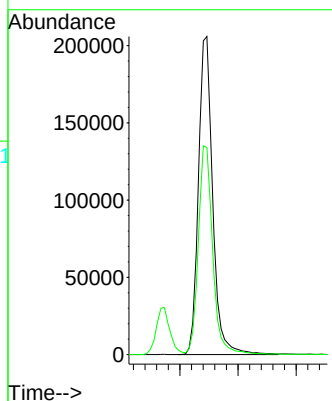
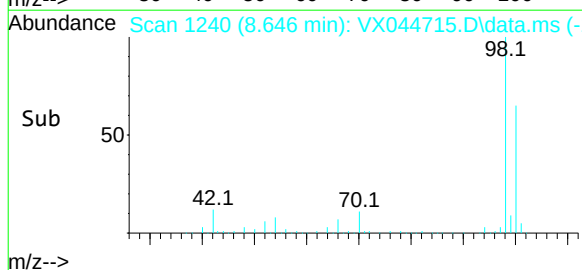


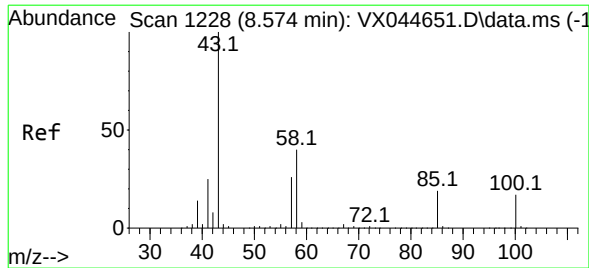
Tgt Ion: 98 Resp: 351325

Ion Ratio Lower Upper

98 100

100 65.9 53.2 79.8





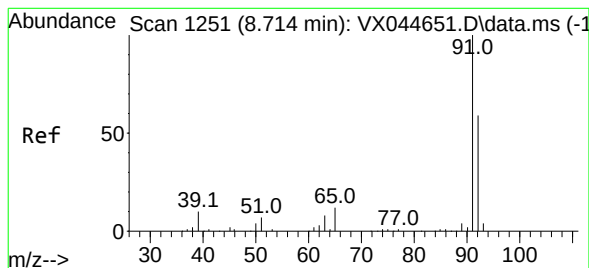
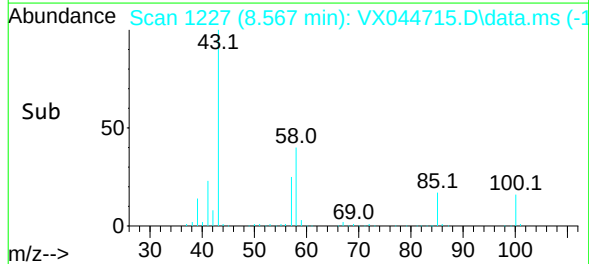
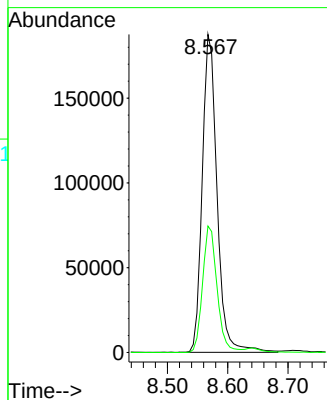
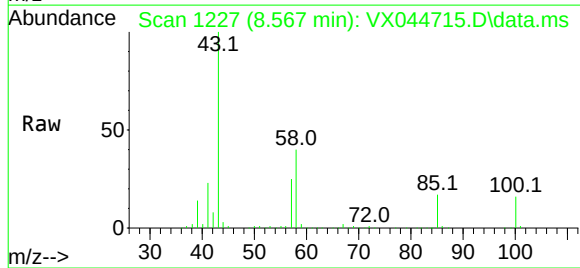
#51
4-Methyl-2-Pentanone
Concen: 101.217 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 43 Resp: 319737
Ion Ratio Lower Upper
43 100
58 38.9 31.9 47.9

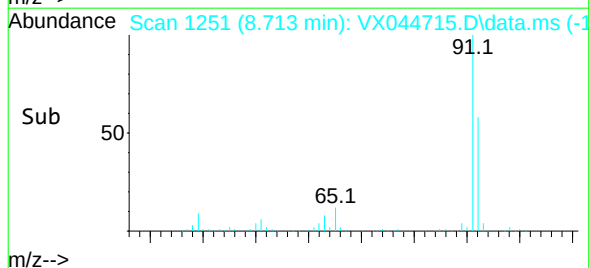
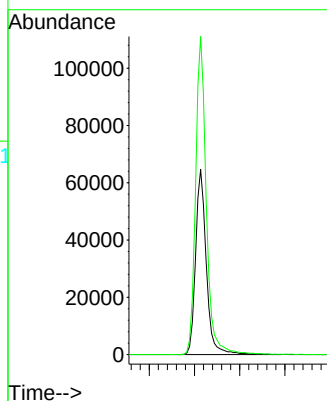
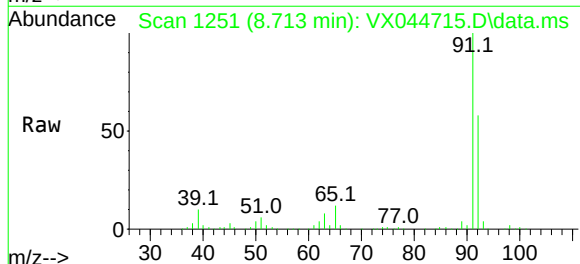
Manual Integrations
APPROVED

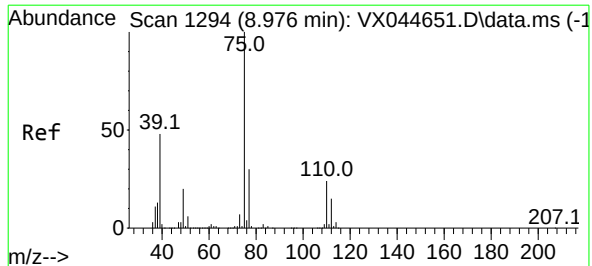
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#52
Toluene
Concen: 19.242 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 92 Resp: 106487
Ion Ratio Lower Upper
92 100
91 171.6 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 17.958 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX044715.D

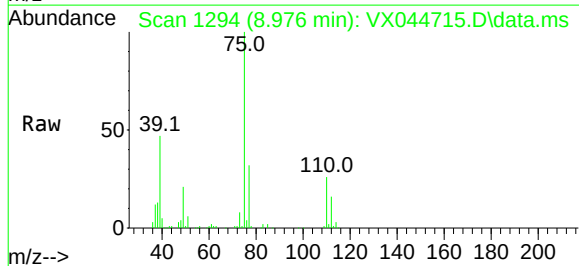
Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01



Tgt Ion: 75 Resp: 65922

Ion Ratio Lower Upper

75 100

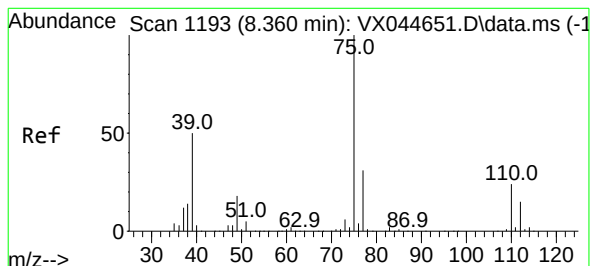
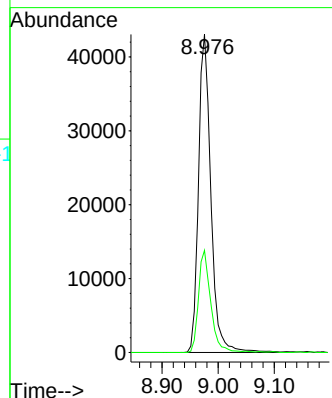
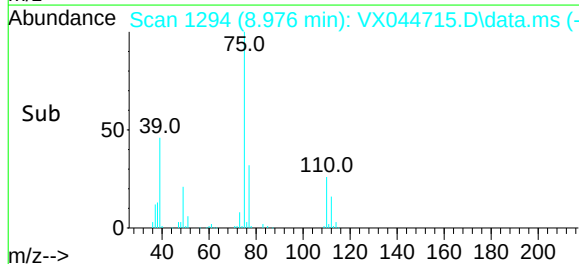
77 32.1 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#54

cis-1,3-Dichloropropene

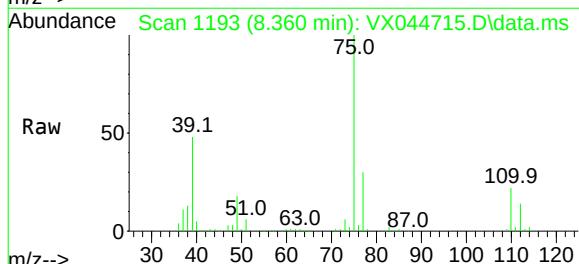
Concen: 18.406 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52



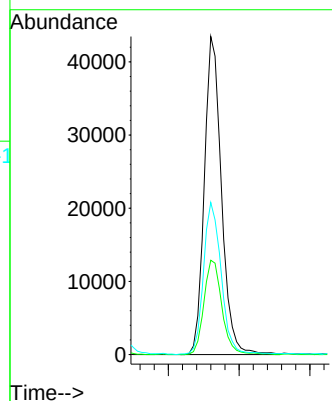
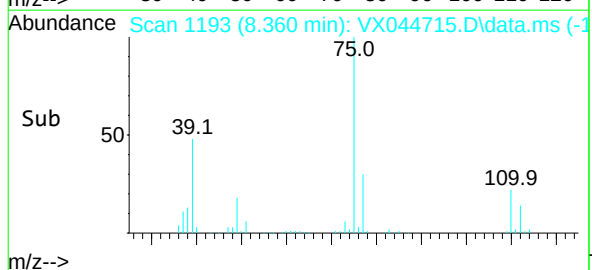
Tgt Ion: 75 Resp: 73264

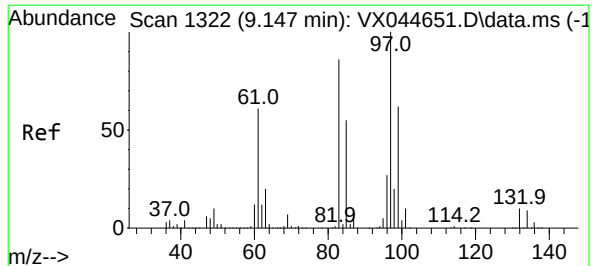
Ion Ratio Lower Upper

75 100

77 29.7 25.1 37.7

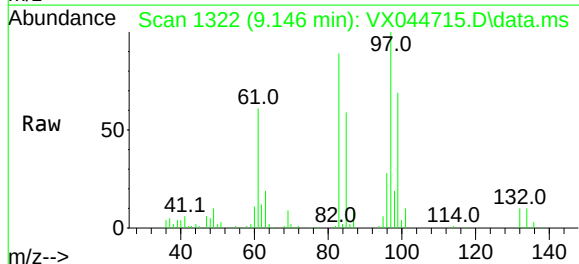
39 47.6 40.3 60.5





#55
1,1,2-Trichloroethane
Concen: 18.940 ug/l
RT: 9.146 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

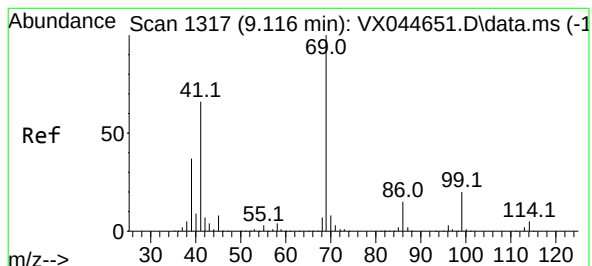
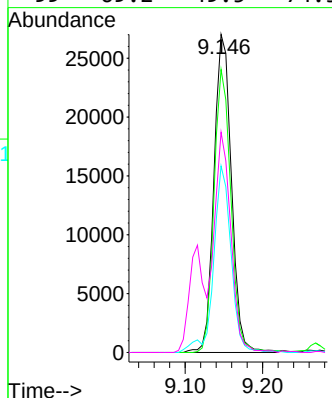
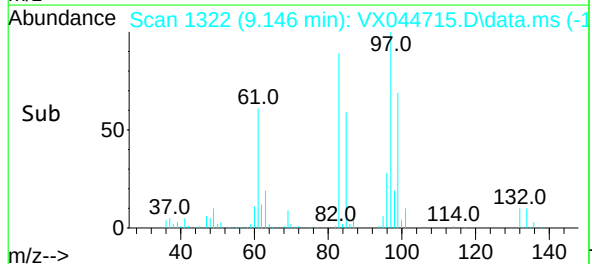
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01



Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.0	68.8	103.2
85	58.7	43.7	65.5
99	69.2	49.5	74.3

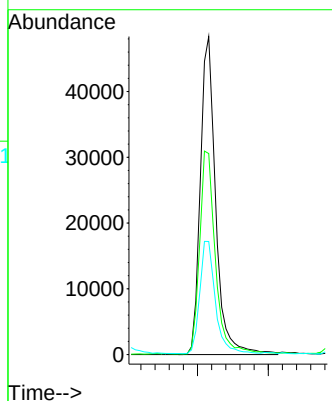
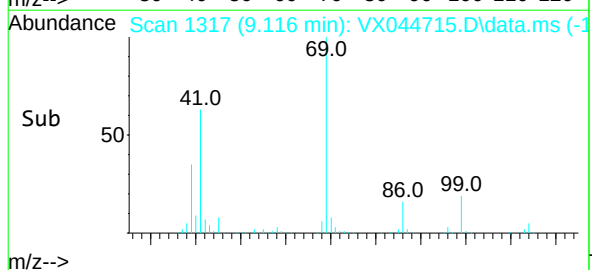
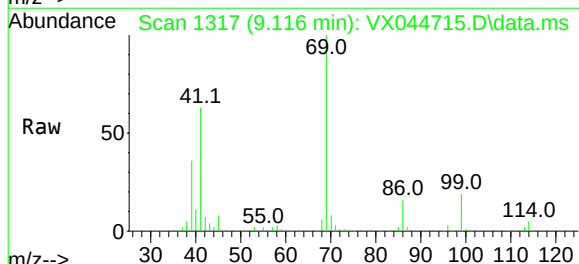
Manual Integrations
APPROVED

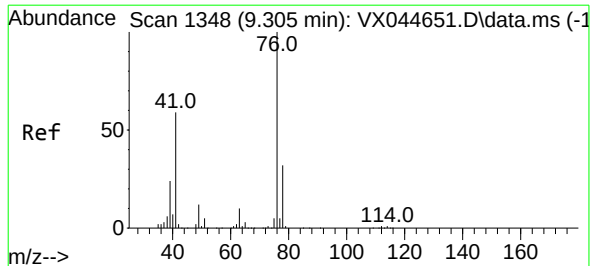
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#56
Ethyl methacrylate
Concen: 18.998 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

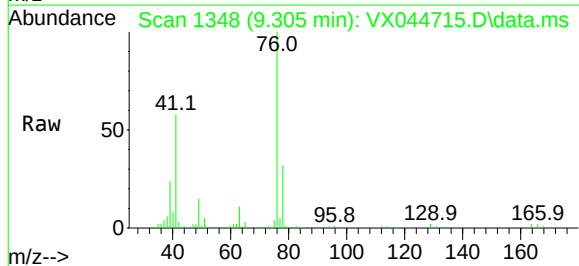
Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.7	53.2	79.8
39	35.9	30.2	45.2





#57
1,3-Dichloropropane
Concen: 19.201 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

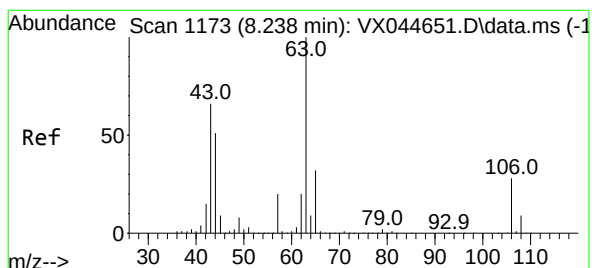
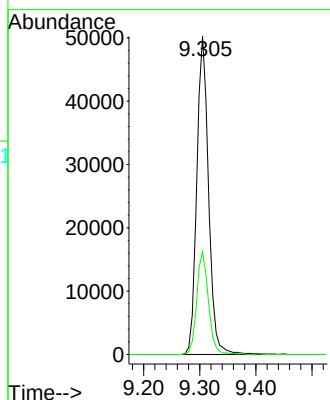
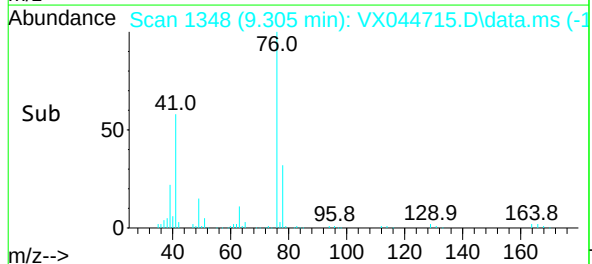
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01



Tgt Ion: 76 Resp: 73209
Ion Ratio Lower Upper
76 100
78 32.0 26.0 39.0

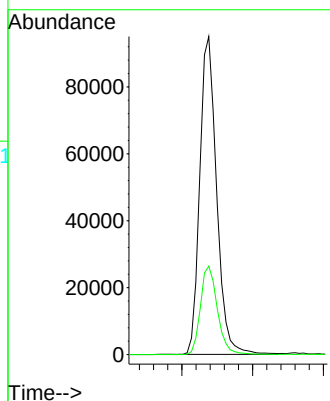
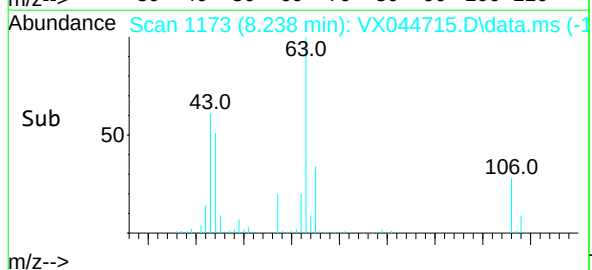
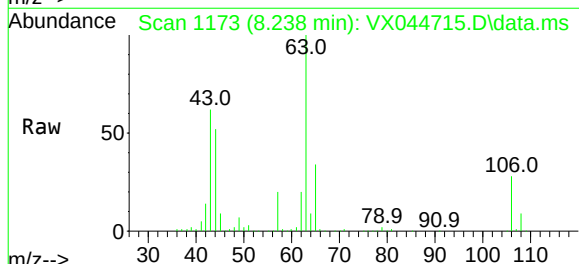
Manual Integrations
APPROVED

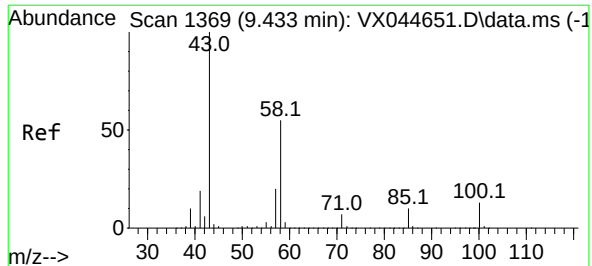
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#58
2-Chloroethyl Vinyl ether
Concen: 83.152 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 63 Resp: 157160
Ion Ratio Lower Upper
63 100
106 28.0 23.0 34.6





#59

2-Hexanone

Concen: 99.695 ug/l

RT: 9.427 min Scan# 1369

Delta R.T. -0.006 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 43 Resp: 231694

Ion Ratio Lower Upper

43 100

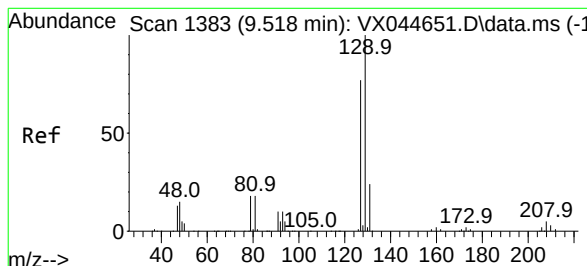
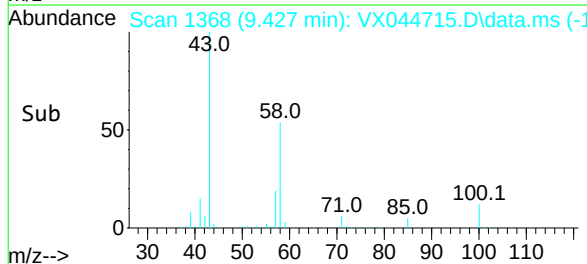
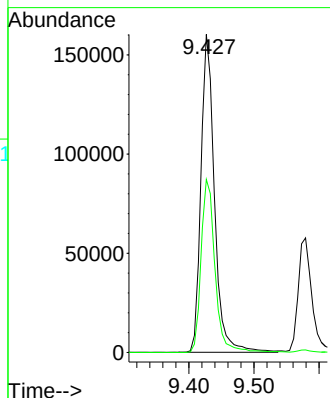
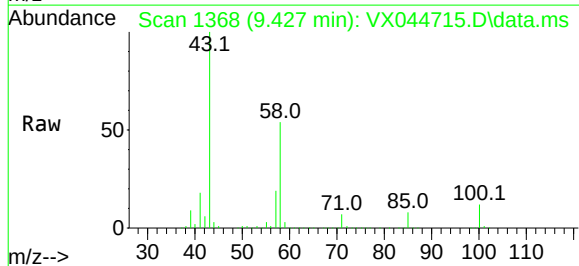
58 56.2 27.8 83.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#60

Dibromochloromethane

Concen: 18.246 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044715.D

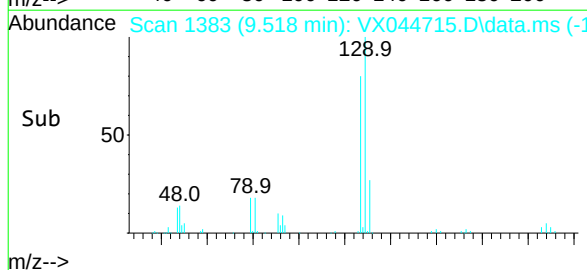
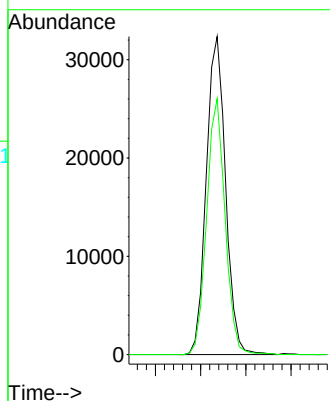
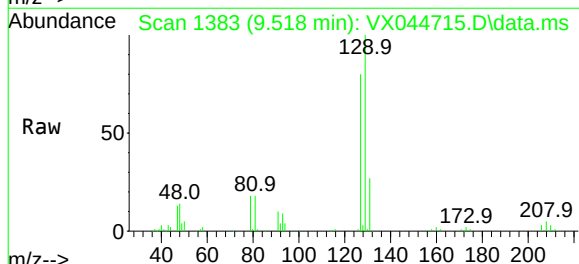
Acq: 27 Jan 2025 11:52

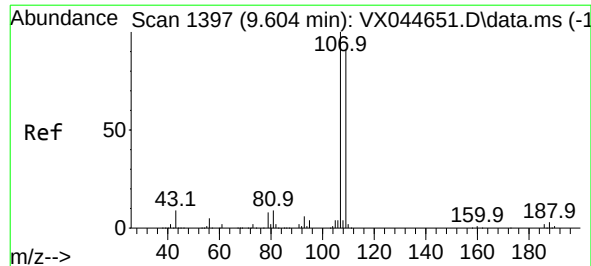
Tgt Ion:129 Resp: 47950

Ion Ratio Lower Upper

129 100

127 76.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.938 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 107 Resp: 44437

Ion Ratio Lower Upper

107 100

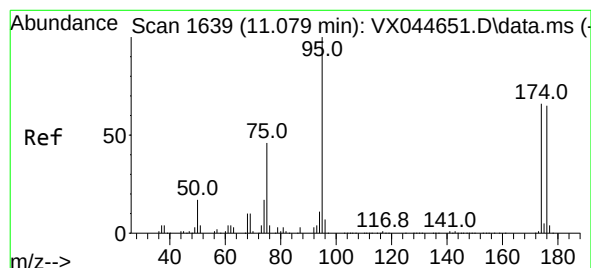
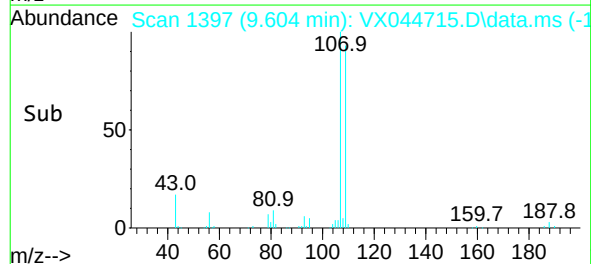
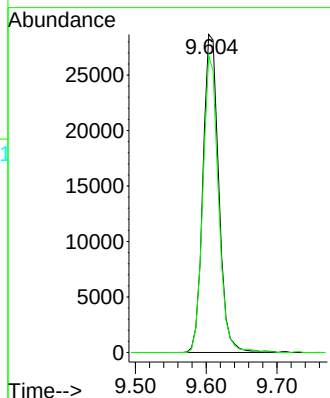
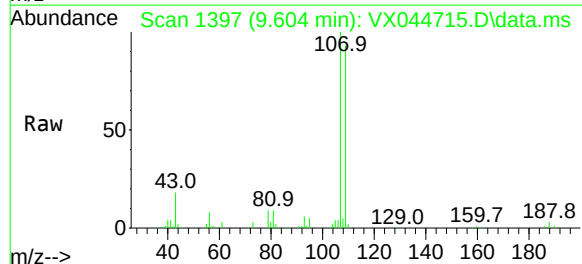
109 91.8 75.3 112.9

Manual Integrations

APPROVED

Reviewed By : John Carlone 01/28/2025

Supervised By : Mahesh Dadoda 01/28/2025



#62

4-Bromofluorobenzene

Concen: 46.926 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

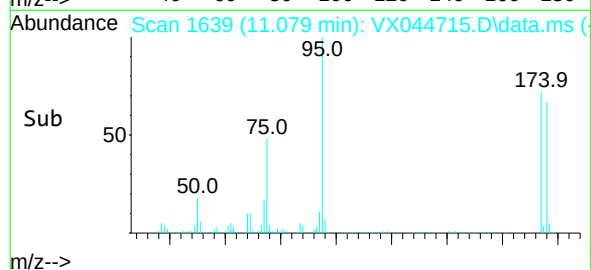
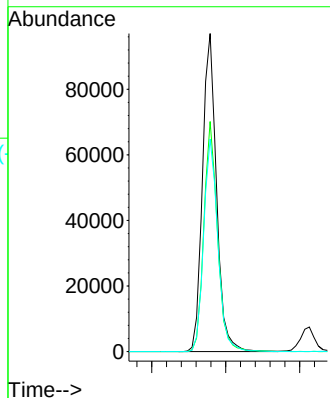
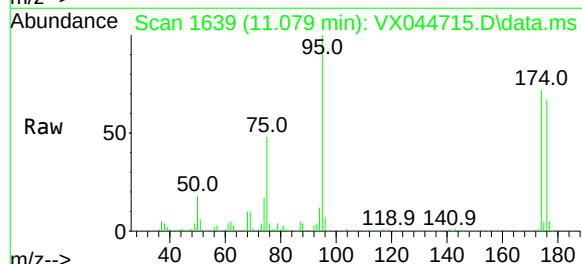
Tgt Ion: 95 Resp: 127855

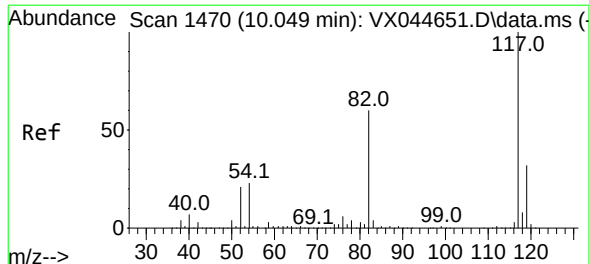
Ion Ratio Lower Upper

95 100

174 69.9 0.0 133.0

176 67.3 0.0 129.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX044715.D

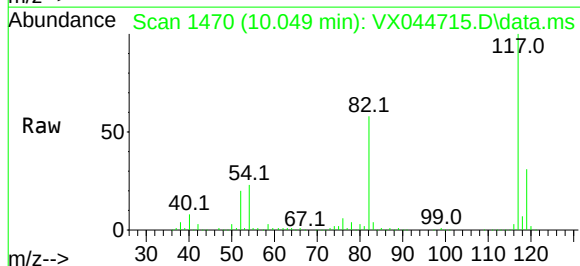
Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01



Tgt Ion:117 Resp: 287428

Ion Ratio Lower Upper

117 100

82 58.4 47.6 71.4

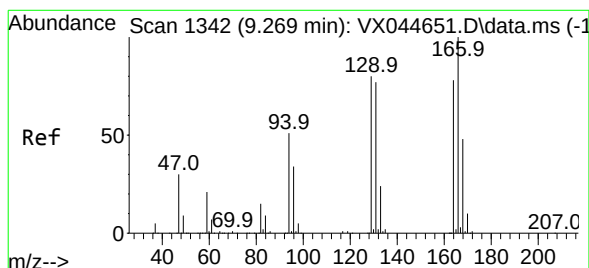
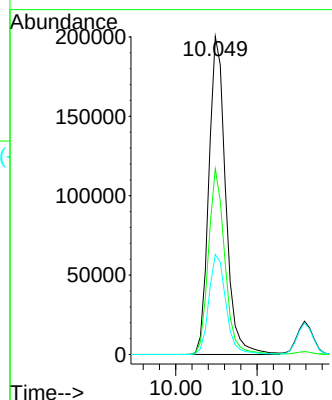
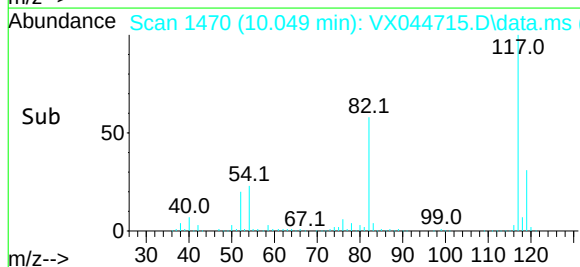
119 31.4 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#64

Tetrachloroethene

Concen: 18.672 ug/l

RT: 9.268 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Tgt Ion:164 Resp: 33701

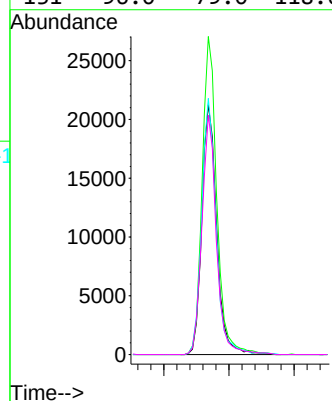
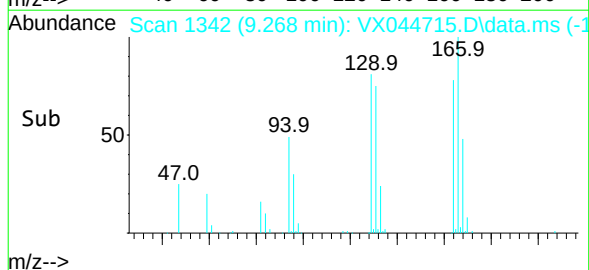
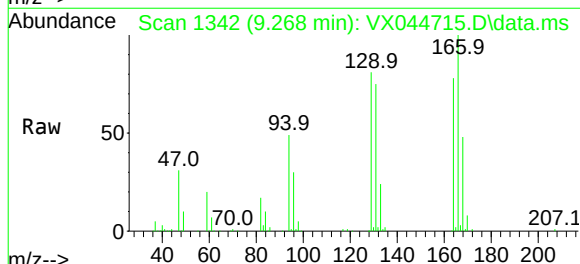
Ion Ratio Lower Upper

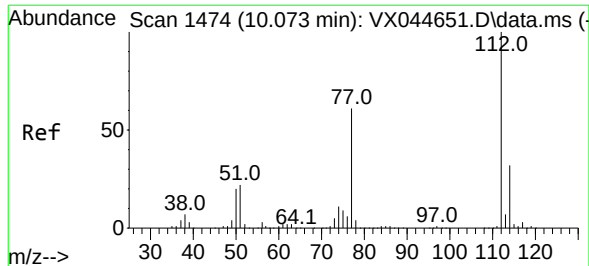
164 100

166 127.4 102.0 153.0

129 102.6 81.1 121.7

131 96.0 79.0 118.6





#65

Chlorobenzene

Concen: 18.702 ug/l

RT: 10.073 min Scan# 1474

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion:112 Resp: 114176

Ion Ratio Lower Upper

112 100

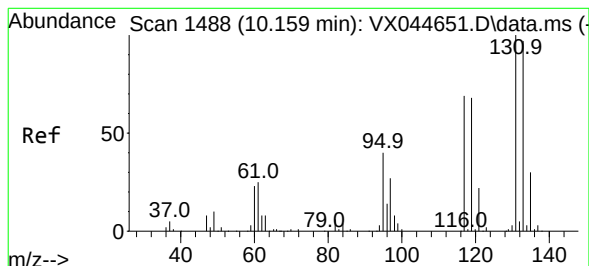
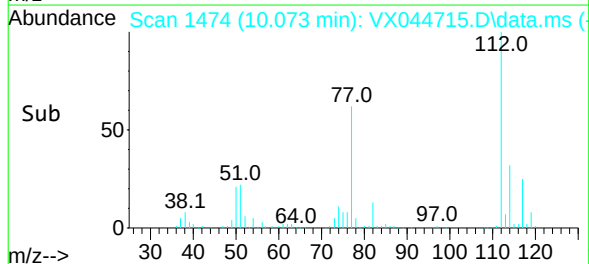
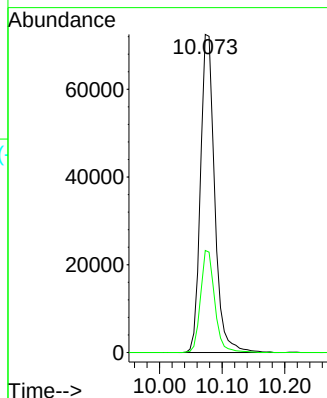
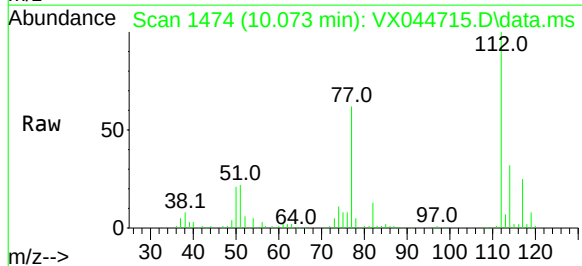
114 32.1 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 17.674 ug/l

RT: 10.158 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

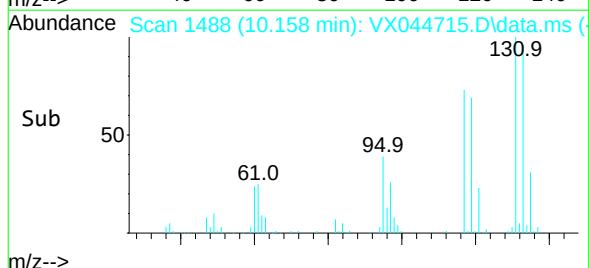
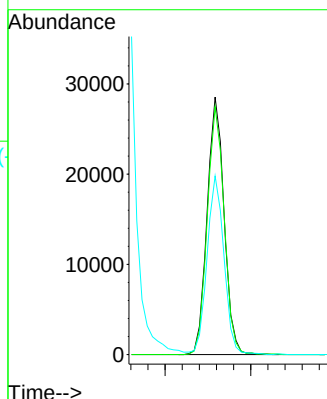
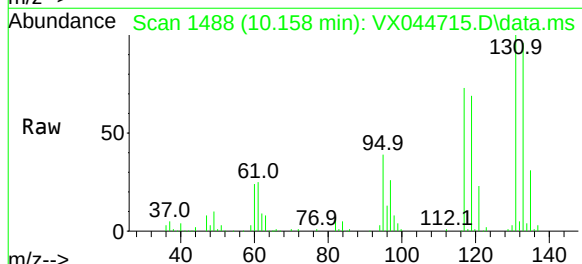
Tgt Ion:131 Resp: 39214

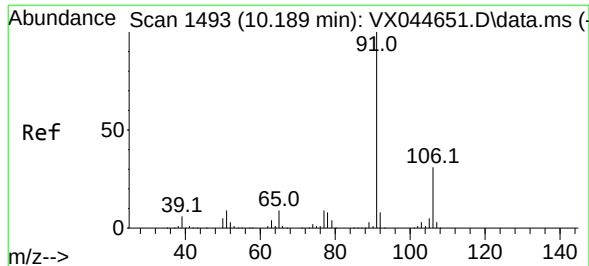
Ion Ratio Lower Upper

131 100

133 96.3 47.8 143.3

119 69.4 33.4 100.2





#67

Ethyl Benzene

Concen: 18.765 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 91 Resp: 199900

Ion Ratio Lower Upper

91 100

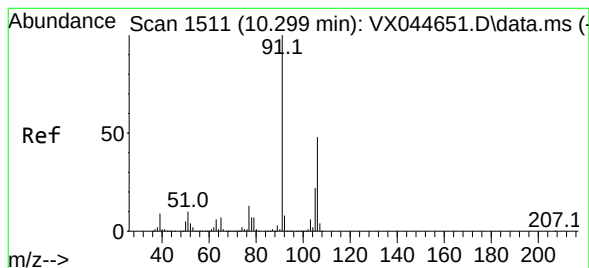
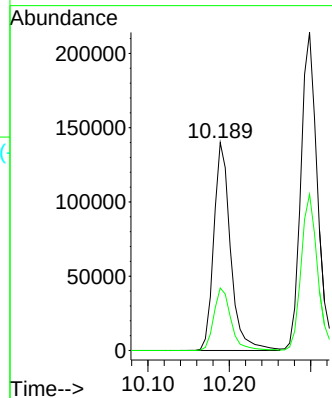
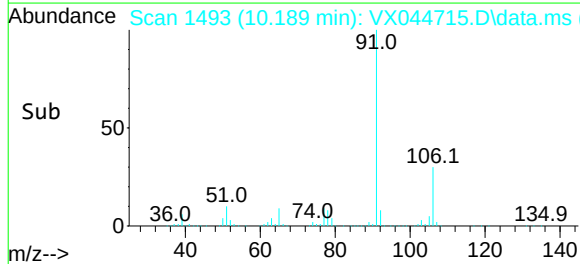
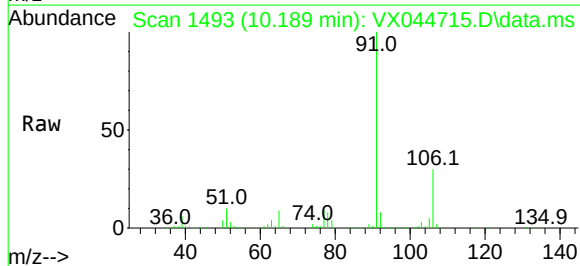
106 30.1 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#68

m/p-Xylenes

Concen: 38.135 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044715.D

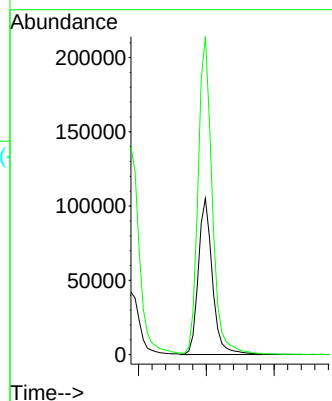
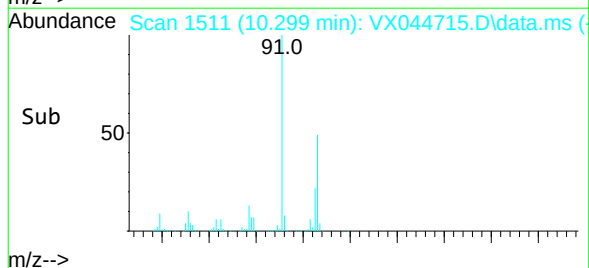
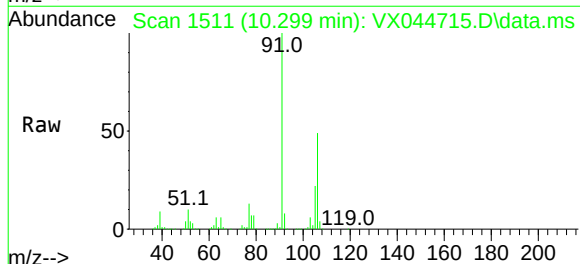
Acq: 27 Jan 2025 11:52

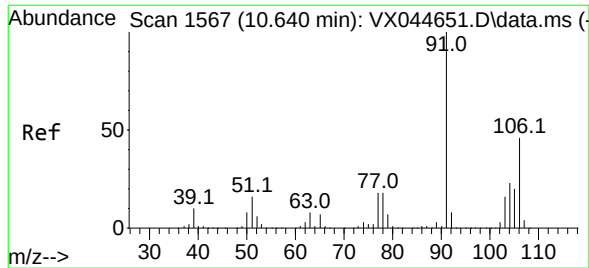
Tgt Ion:106 Resp: 150751

Ion Ratio Lower Upper

106 100

91 204.8 166.4 249.6





#69

o-Xylene

Concen: 18.921 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion:106 Resp: 75639

Ion Ratio Lower Upper

106 100

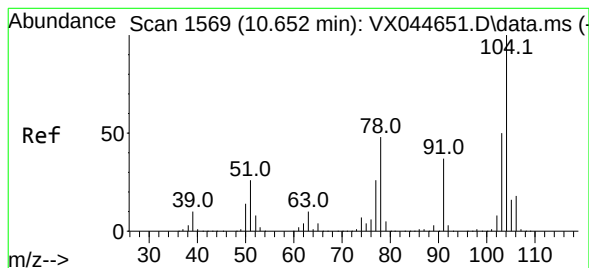
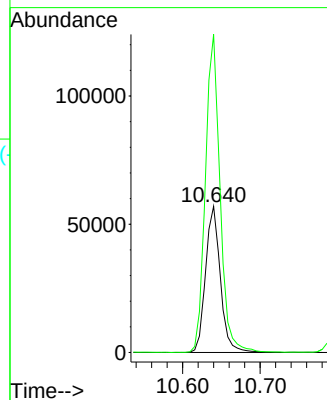
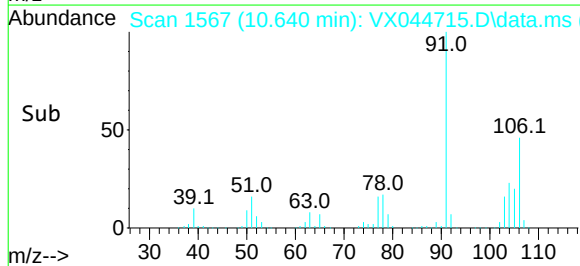
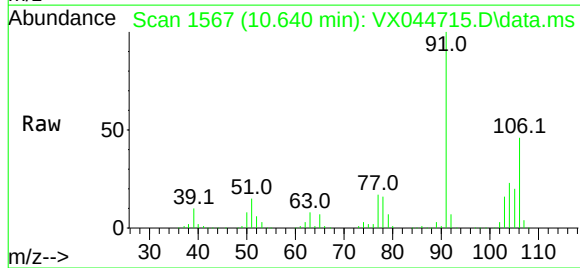
91 216.1 108.7 326.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#70

Styrene

Concen: 19.600 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

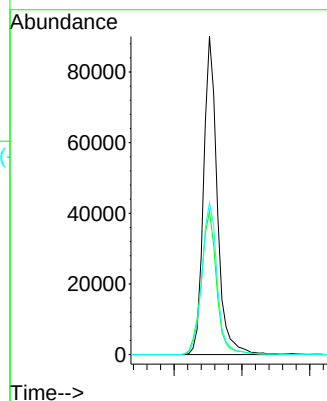
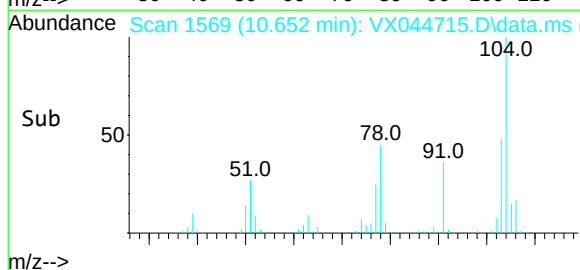
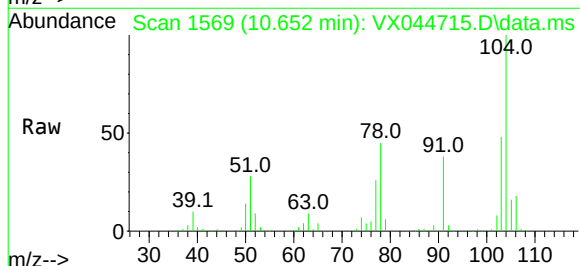
Tgt Ion:104 Resp: 126504

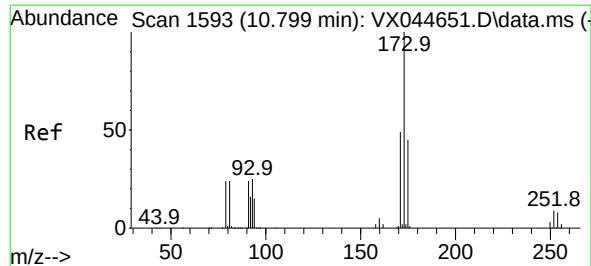
Ion Ratio Lower Upper

104 100

78 50.2 43.0 64.6

103 53.7 43.4 65.2





#71

Bromoform

Concen: 17.798 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion:173 Resp: 32141

Ion Ratio Lower Upper

173 100

175 48.5 23.6 70.8

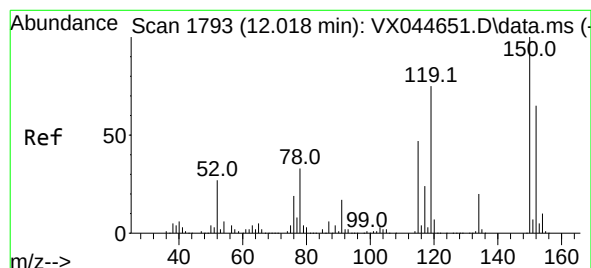
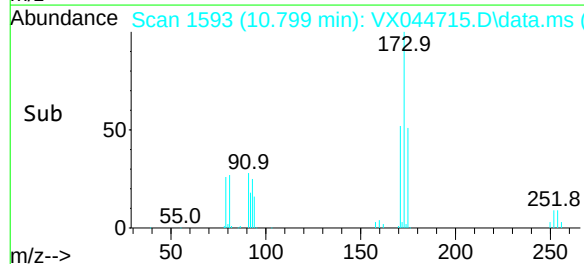
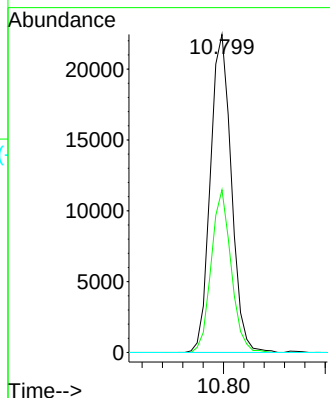
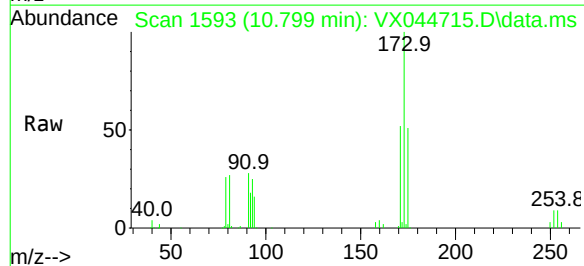
254 0.0 0.1 0.1#

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

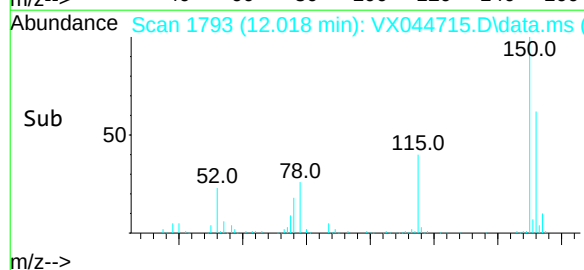
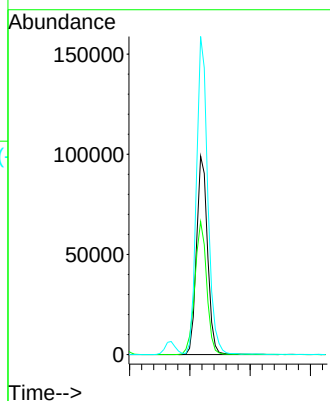
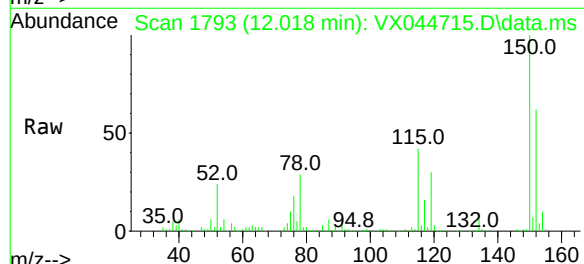
Tgt Ion:152 Resp: 125692

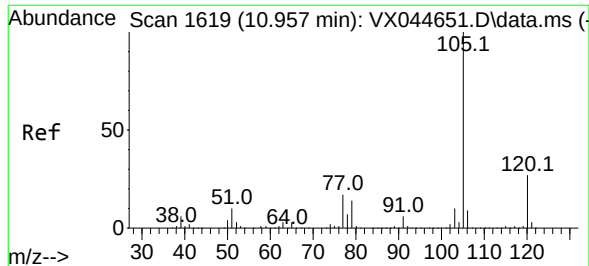
Ion Ratio Lower Upper

152 100

115 72.2 43.8 131.4

150 164.2 0.0 347.8





#73

Isopropylbenzene

Concen: 18.433 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 105 Resp: 189275

Ion Ratio Lower Upper

105 100

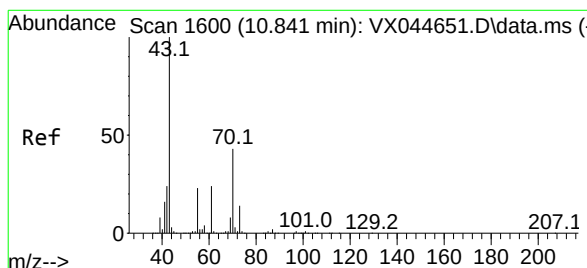
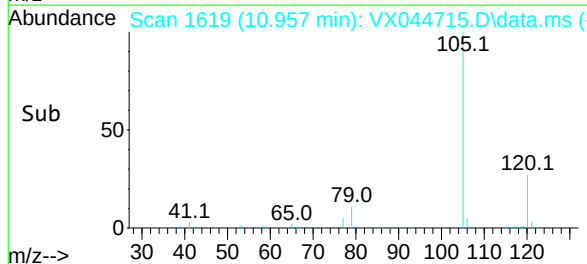
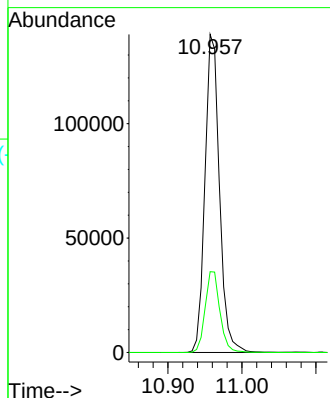
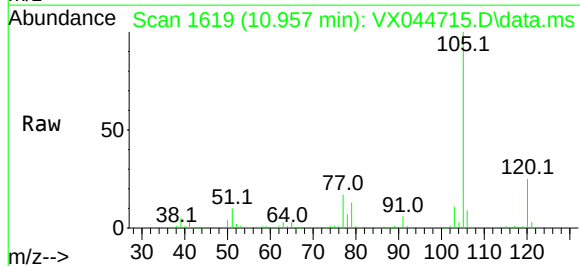
120 25.9 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#74

N-ethyl acetate

Concen: 17.648 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Tgt Ion: 43 Resp: 89318

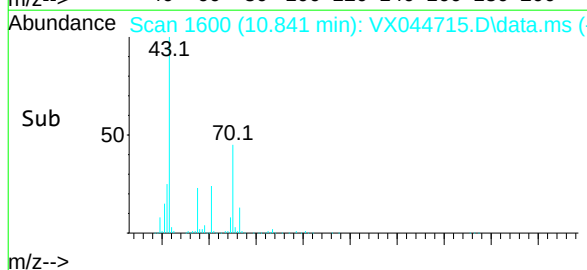
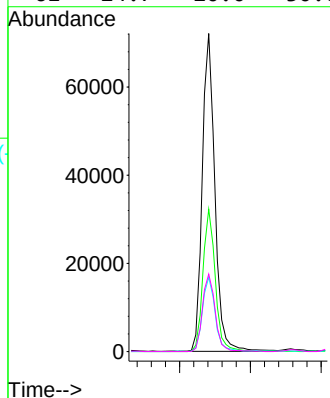
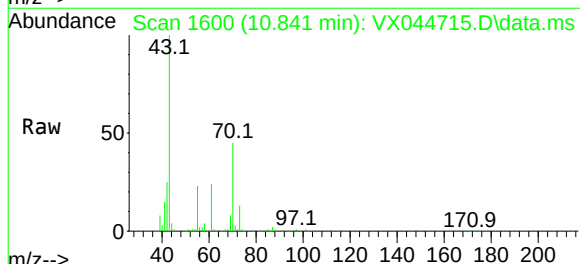
Ion Ratio Lower Upper

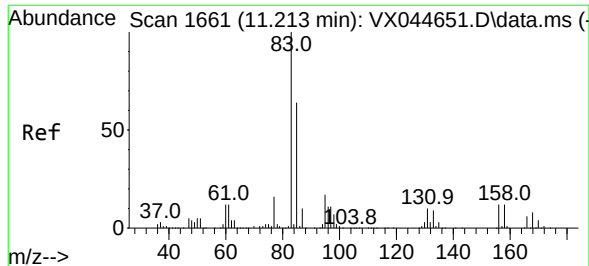
43 100

70 44.1 35.2 52.8

55 23.5 19.0 28.4

61 24.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.294 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. -0.006 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

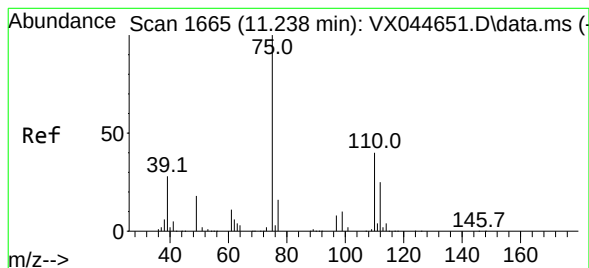
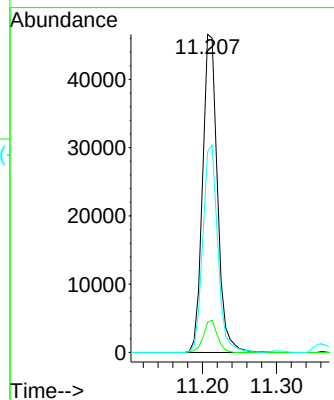
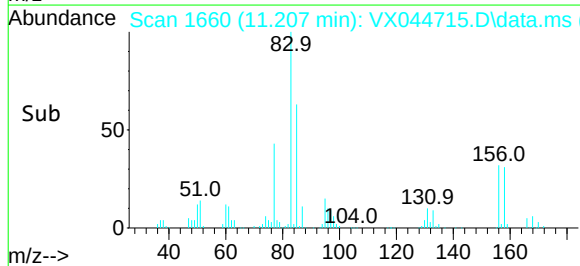
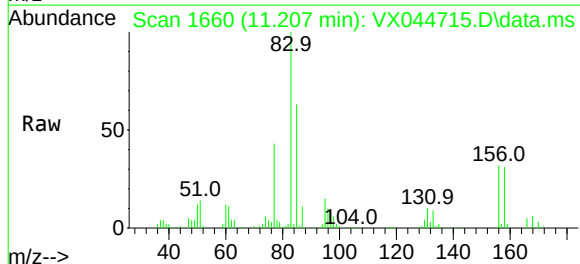
VX0127WBSD01

Tgt Ion:	83	Resp:	64877
Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	65.7	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#76

1,2,3-Trichloropropane

Concen: 17.710 ug/l m

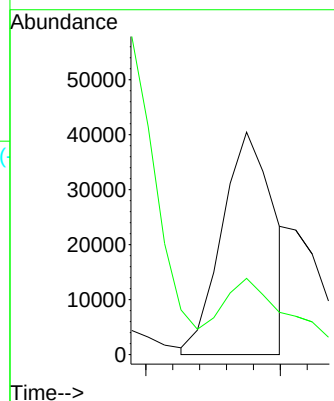
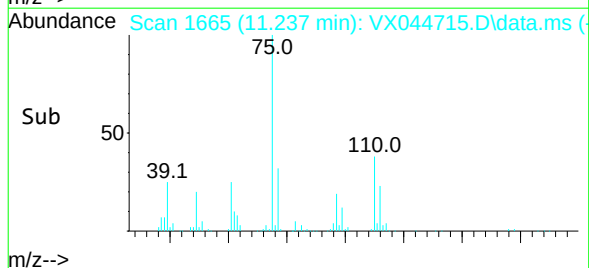
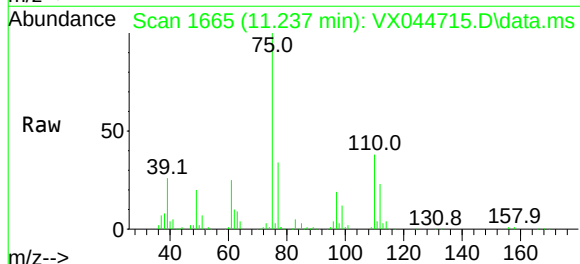
RT: 11.237 min Scan# 1665

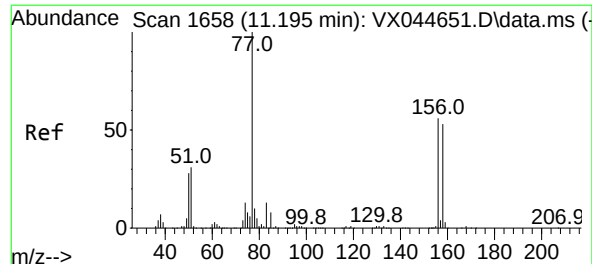
Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Tgt Ion:	75	Resp:	54022
Ion	Ratio	Lower	Upper
75	100		
77	45.9	23.4	70.2





#77

Bromobenzene

Concen: 18.538 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion:156 Resp: 44492

Ion Ratio Lower Upper

156 100

77 169.8 90.3 271.0

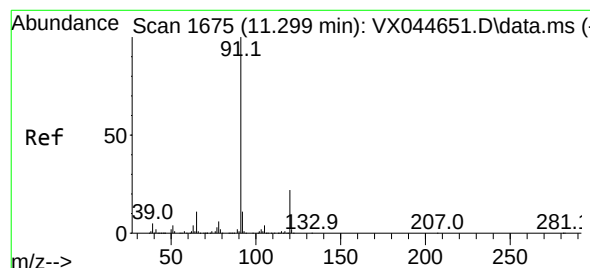
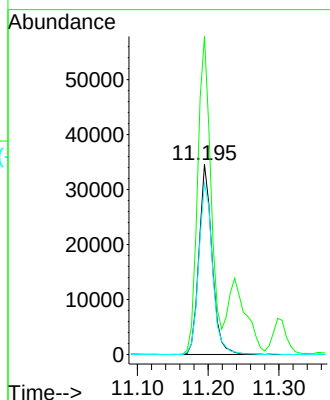
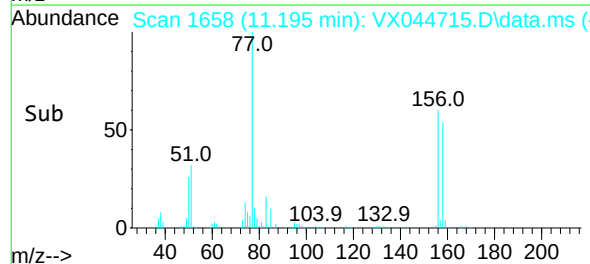
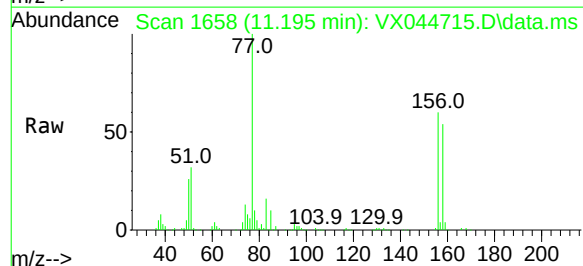
158 94.8 48.4 145.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#78

n-propylbenzene

Concen: 19.229 ug/l

RT: 11.298 min Scan# 1675

Delta R.T. -0.000 min

Lab File: VX044715.D

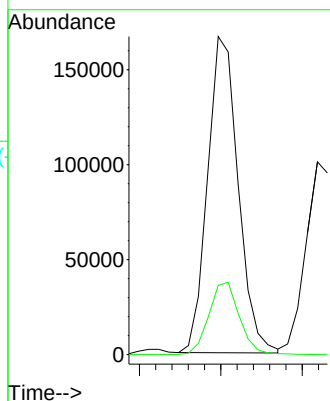
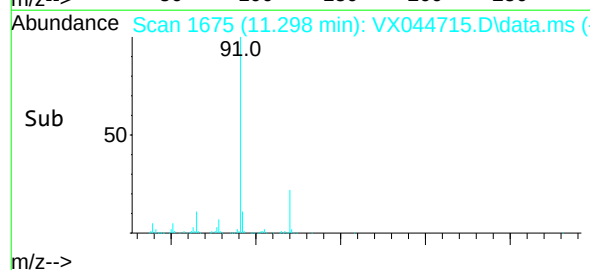
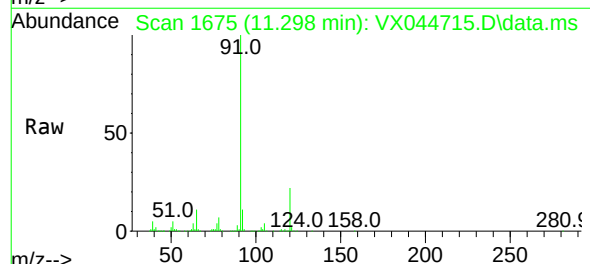
Acq: 27 Jan 2025 11:52

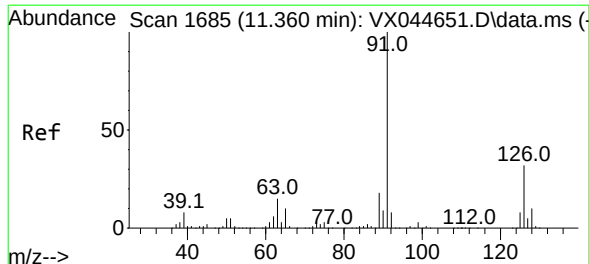
Tgt Ion: 91 Resp: 217748

Ion Ratio Lower Upper

91 100

120 22.8 11.4 34.1





#79

2-Chlorotoluene

Concen: 18.432 ug/l

RT: 11.359 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 91 Resp: 134836

Ion Ratio Lower Upper

91 100

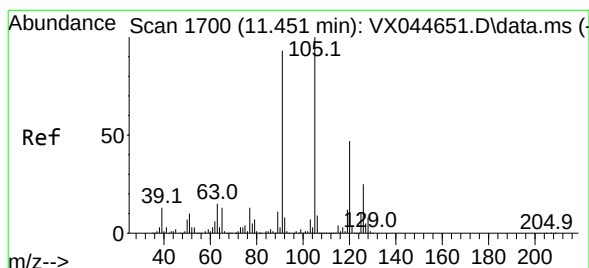
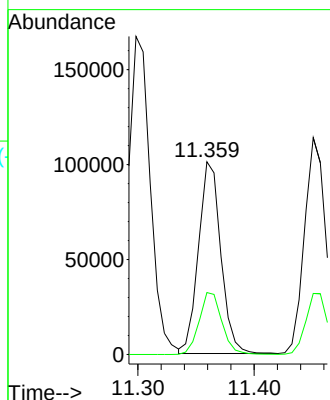
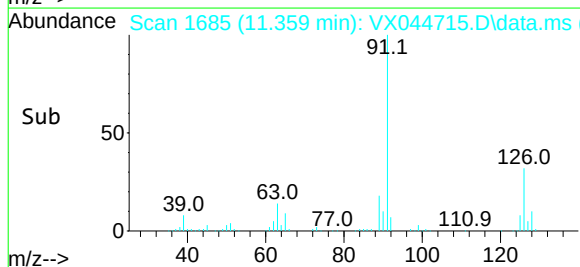
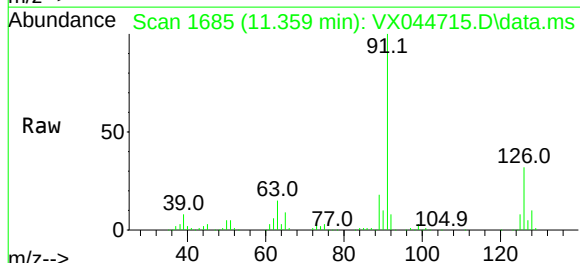
126 33.0 16.2 48.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.003 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044715.D

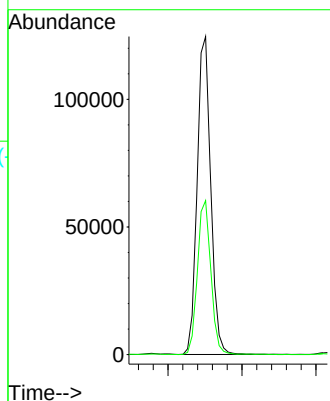
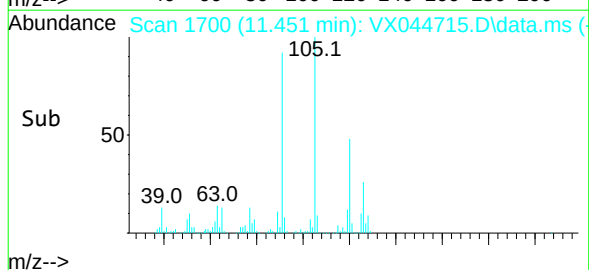
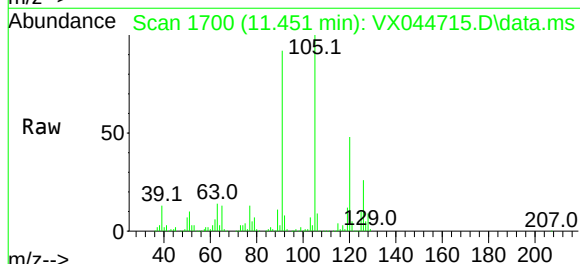
Acq: 27 Jan 2025 11:52

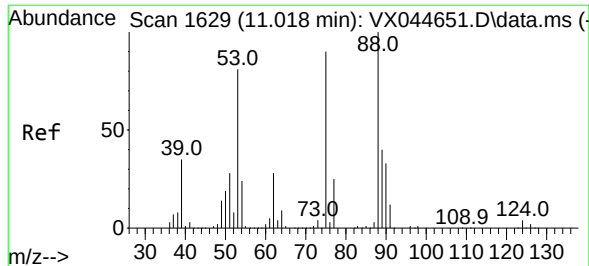
Tgt Ion:105 Resp: 158844

Ion Ratio Lower Upper

105 100

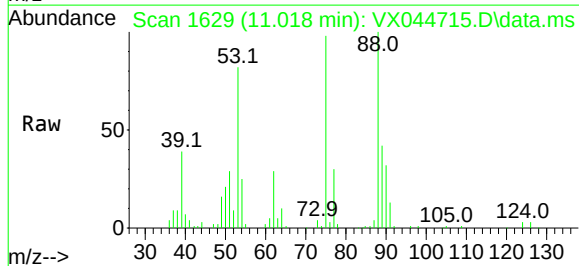
120 48.3 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 17.776 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

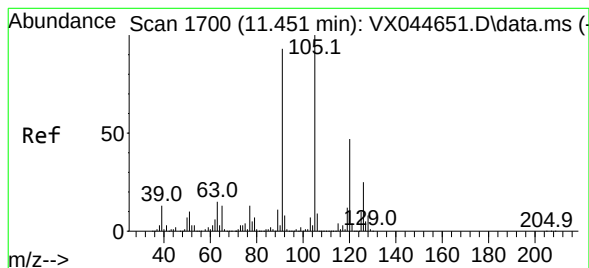
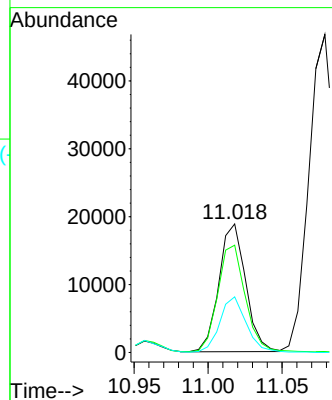
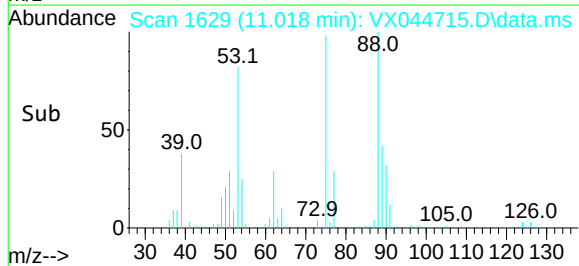
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01



Tgt Ion: 75 Resp: 23711
Ion Ratio Lower Upper
75 100
53 86.3 74.3 111.5
89 43.5 37.4 56.0

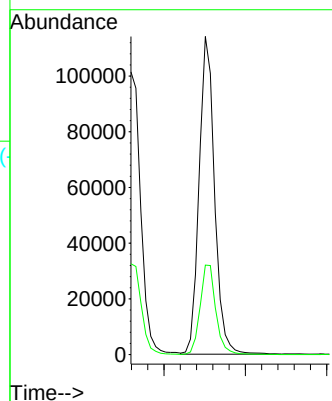
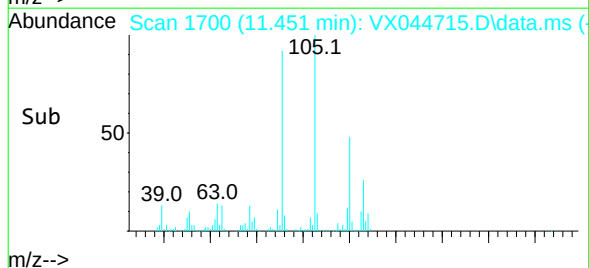
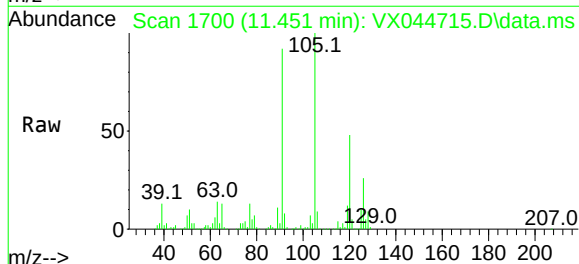
Manual Integrations
APPROVED

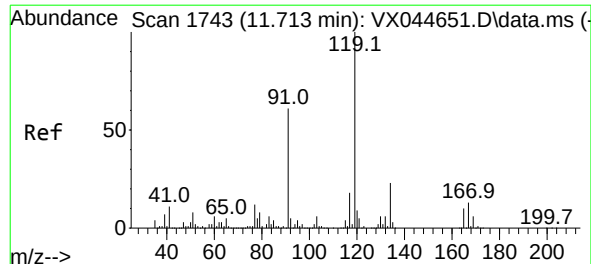
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#82
4-Chlorotoluene
Concen: 18.780 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 91 Resp: 150487
Ion Ratio Lower Upper
91 100
126 28.8 13.9 41.7





#83

tert-Butylbenzene

Concen: 18.334 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion:119 Resp: 160244

Ion Ratio Lower Upper

119 100

91 58.6 30.0 90.0

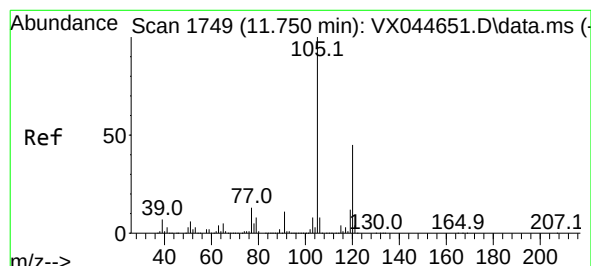
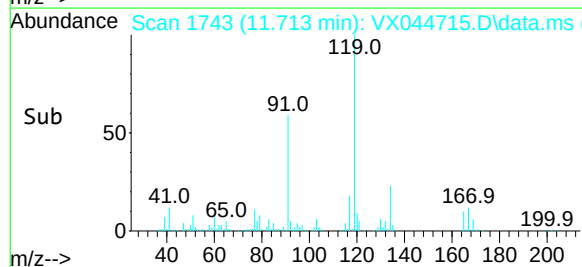
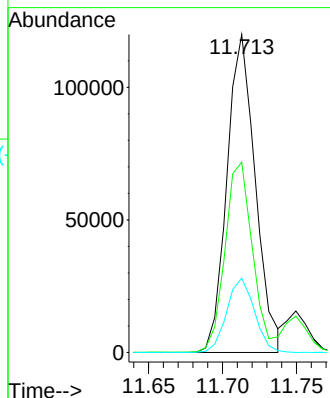
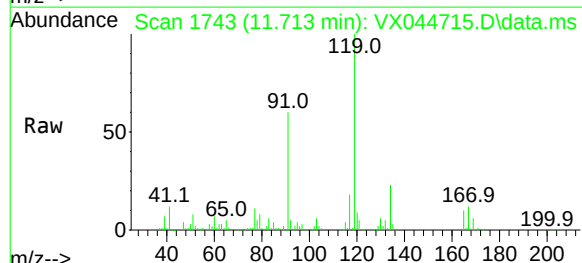
134 22.7 11.2 33.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#84

1,2,4-Trimethylbenzene

Concen: 18.677 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044715.D

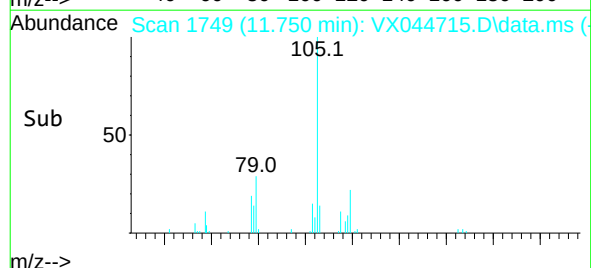
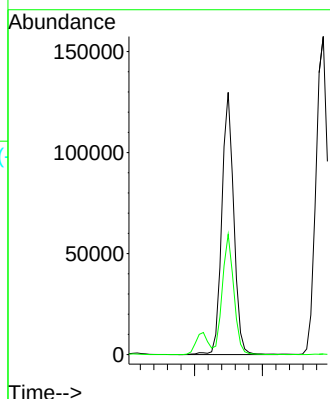
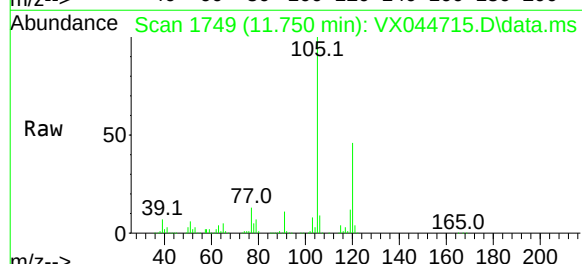
Acq: 27 Jan 2025 11:52

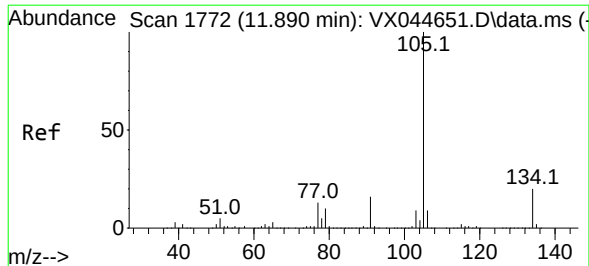
Tgt Ion:105 Resp: 158646

Ion Ratio Lower Upper

105 100

120 44.3 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.273 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion:105 Resp: 196136

Ion Ratio Lower Upper

105 100

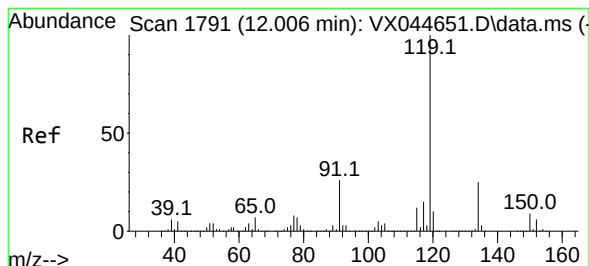
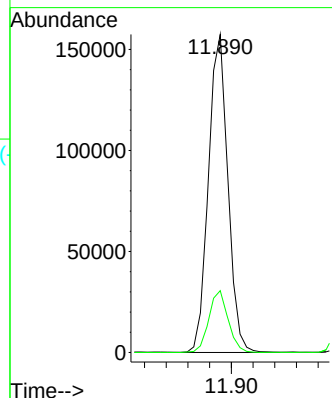
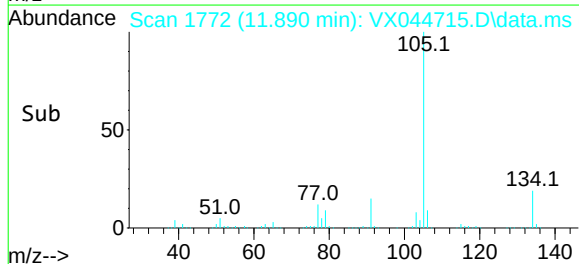
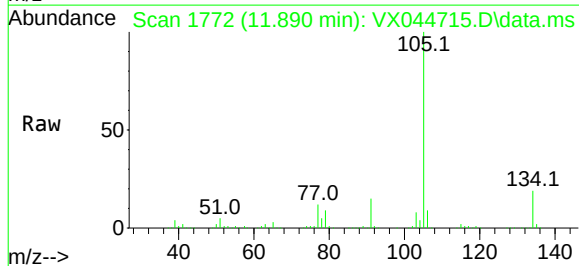
134 19.3 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#86

p-Isopropyltoluene

Concen: 19.029 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

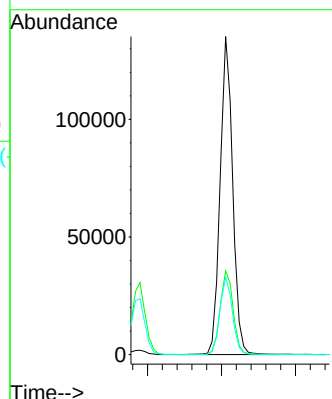
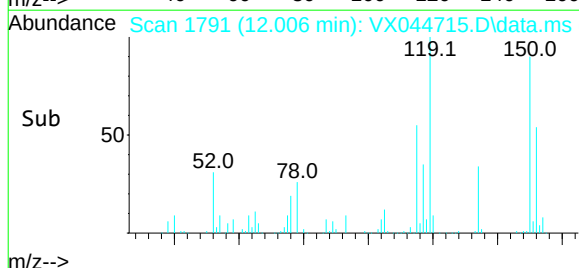
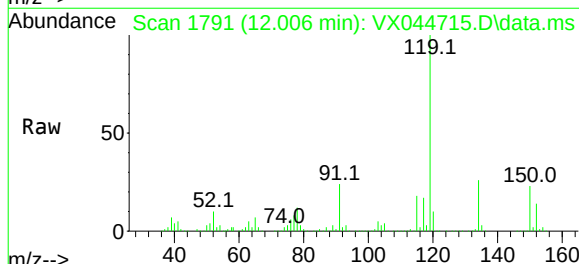
Tgt Ion:119 Resp: 159144

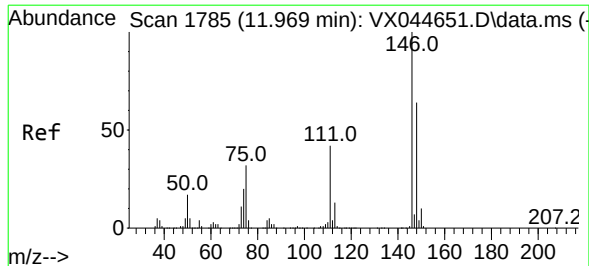
Ion Ratio Lower Upper

119 100

134 27.1 12.8 38.4

91 24.4 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 18.793 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion:146 Resp: 78221

Ion Ratio Lower Upper

146 100

111 43.5 21.9 65.7

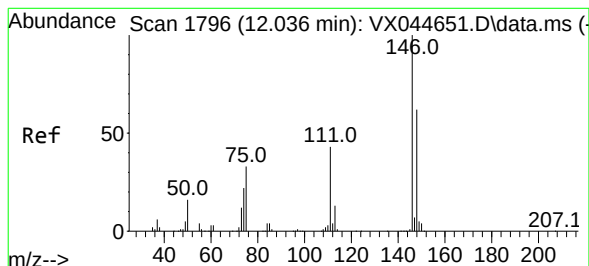
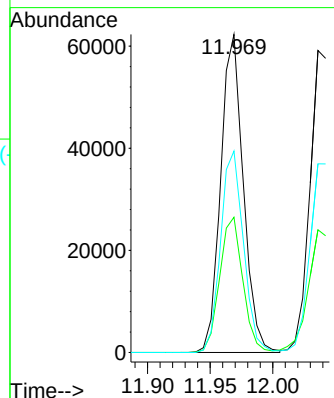
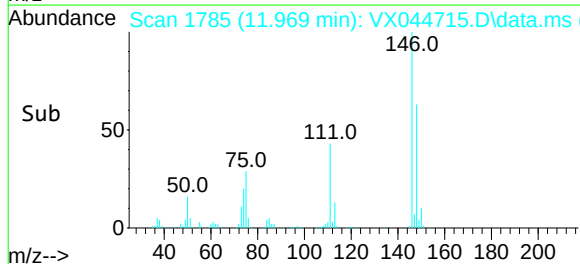
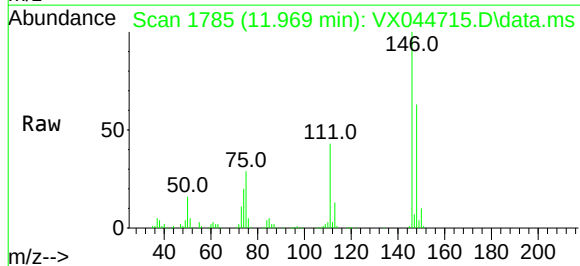
148 64.3 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#88

1,4-Dichlorobenzene

Concen: 18.742 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

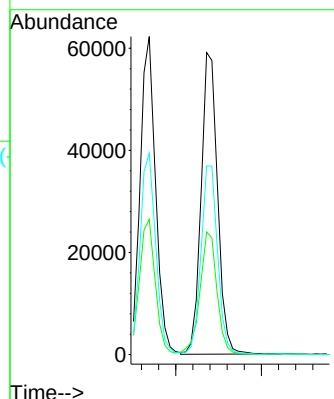
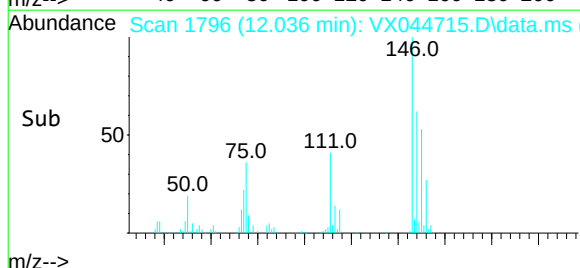
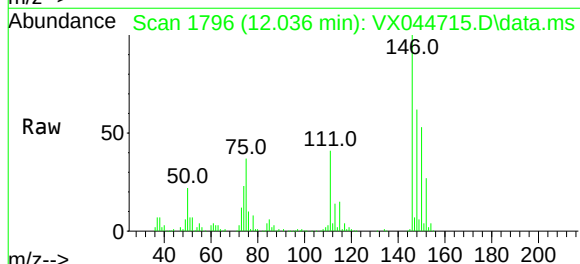
Tgt Ion:146 Resp: 78858

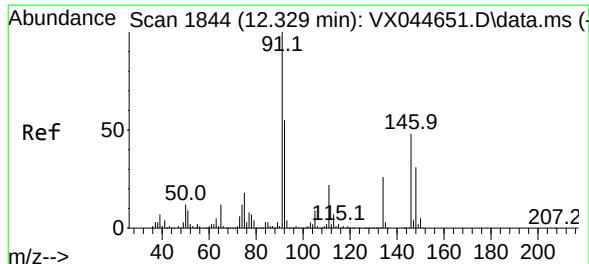
Ion Ratio Lower Upper

146 100

111 41.9 21.5 64.5

148 63.7 32.1 96.5





#89

n-Butylbenzene

Concen: 19.808 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion: 91 Resp: 142284

Ion Ratio Lower Upper

91 100

92 54.4 27.4 82.0

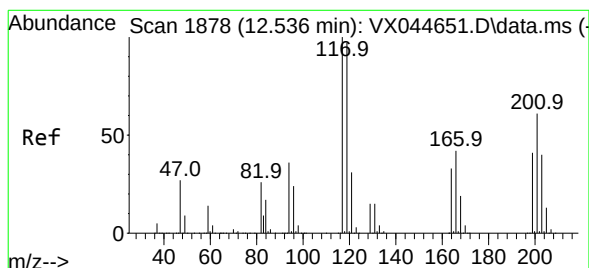
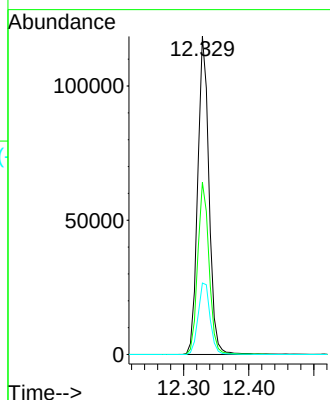
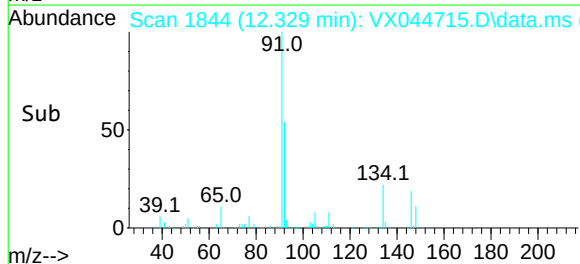
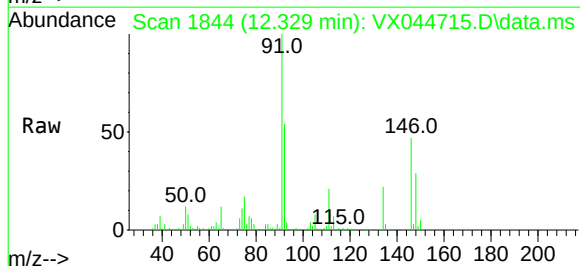
134 24.0 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#90

Hexachloroethane

Concen: 17.551 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044715.D

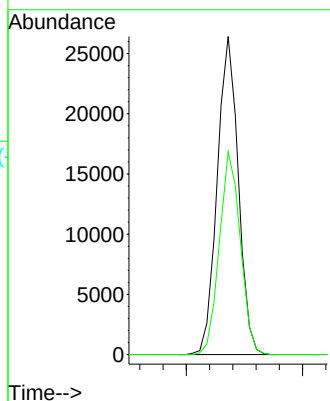
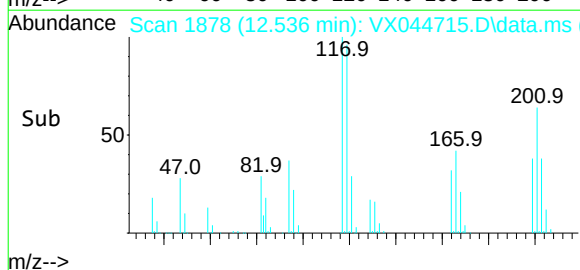
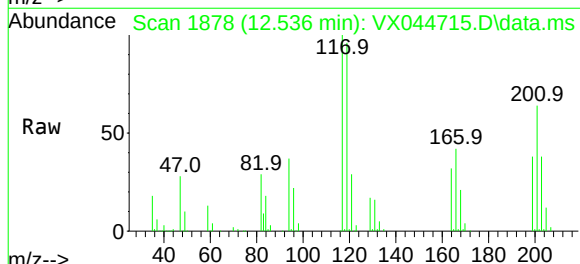
Acq: 27 Jan 2025 11:52

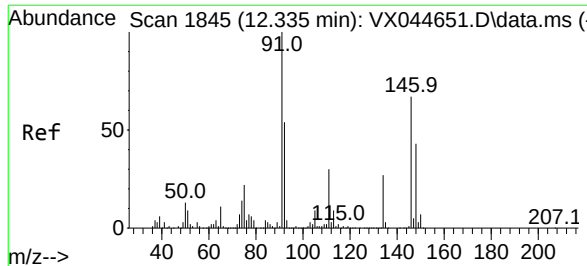
Tgt Ion:117 Resp: 33238

Ion Ratio Lower Upper

117 100

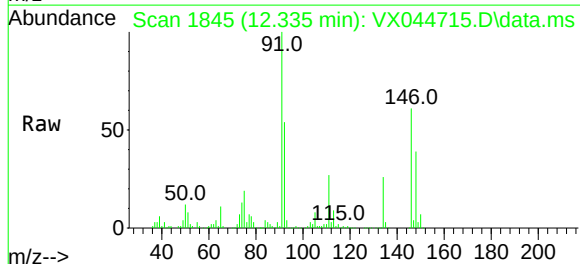
201 63.6 32.3 96.8





#91
1,2-Dichlorobenzene
Concen: 18.586 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

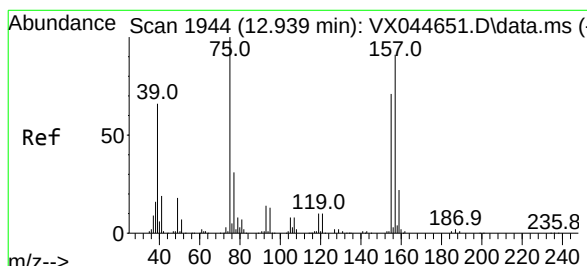
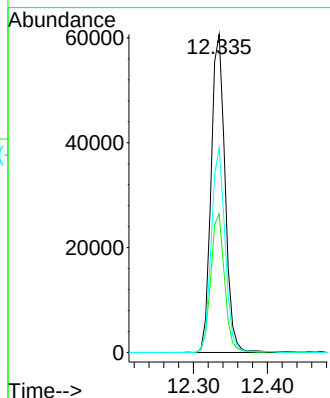
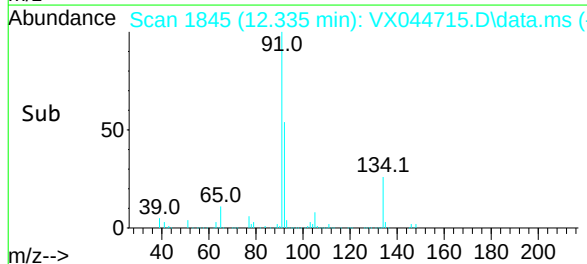
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01



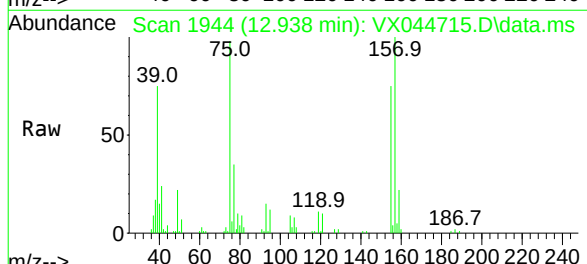
Tgt Ion: 146 Resp: 79447
Ion Ratio Lower Upper
146 100
111 43.0 22.4 67.2
148 63.5 31.6 94.8

Manual Integrations
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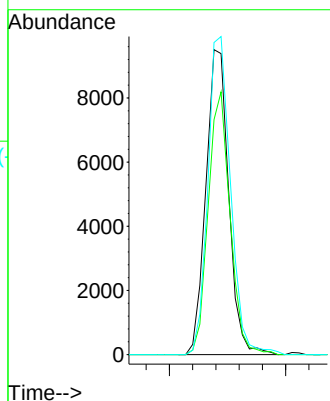
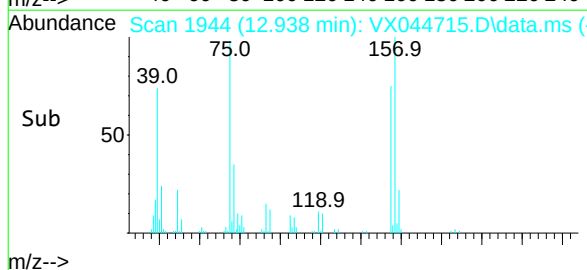
Reviewed By : John Carlone 01/28/2025
Supervised By : Mahesh Dadoda 01/28/2025

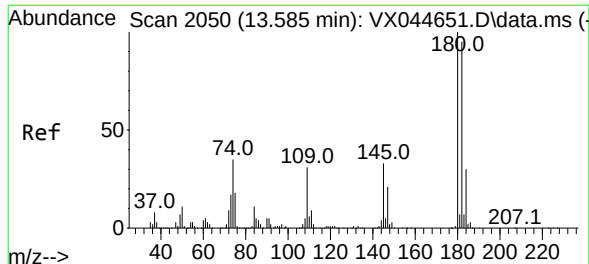


#92
1,2-Dibromo-3-Chloropropane
Concen: 14.949 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52



Tgt Ion: 75 Resp: 12965
Ion Ratio Lower Upper
75 100
155 82.6 39.0 116.9
157 104.0 49.9 149.7





#93

1,2,4-Trichlorobenzene

Concen: 19.078 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion:180 Resp: 48749

Ion Ratio Lower Upper

180 100

182 92.5 47.4 142.2

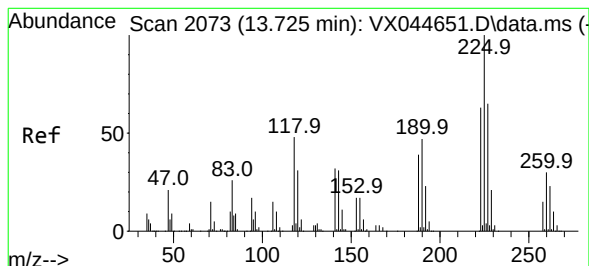
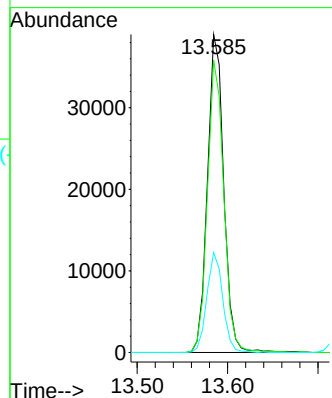
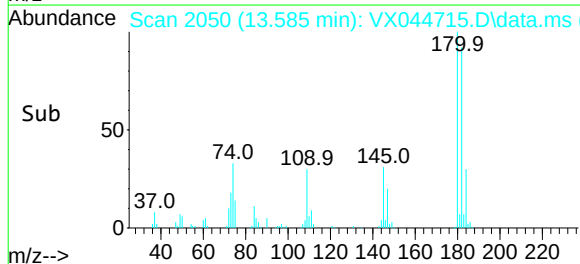
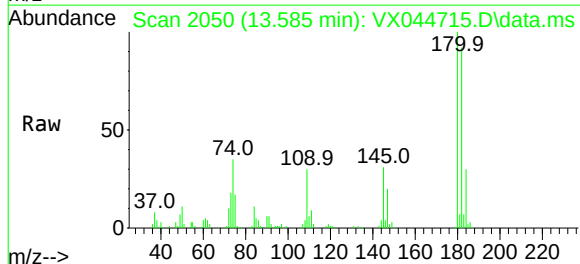
145 30.8 16.7 50.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#94

Hexachlorobutadiene

Concen: 17.945 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

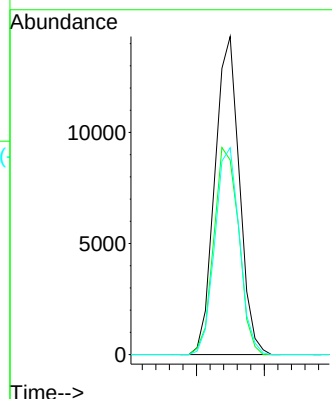
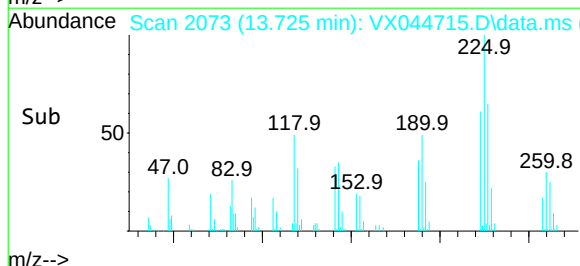
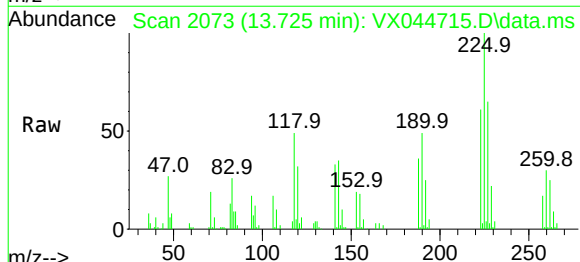
Tgt Ion:225 Resp: 18012

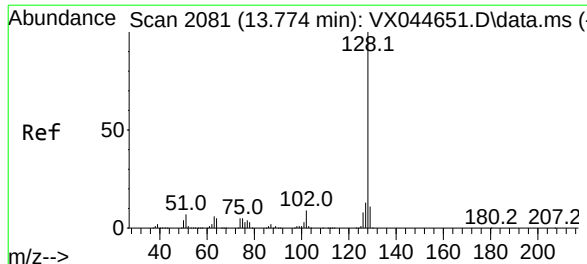
Ion Ratio Lower Upper

225 100

223 65.9 31.9 95.7

227 65.1 31.8 95.4





#95

Naphthalene

Concen: 18.471 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

Tgt Ion:128 Resp: 182044

Ion Ratio Lower Upper

128 100

127 12.2 10.3 15.5

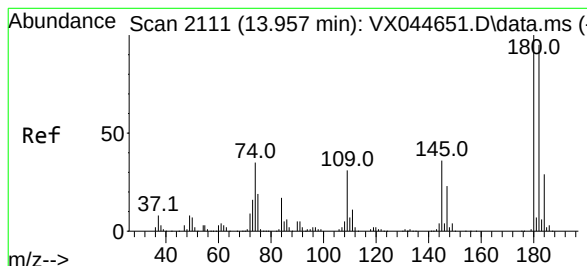
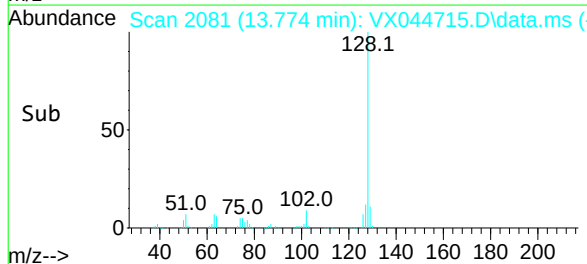
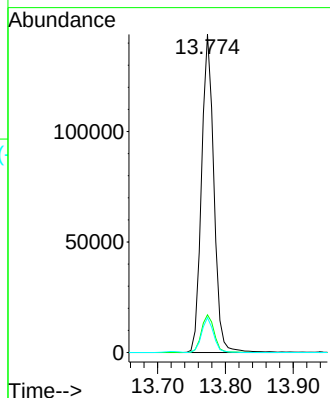
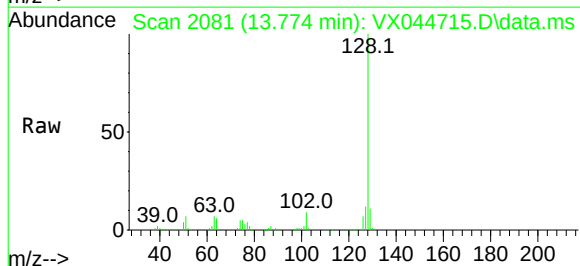
129 10.6 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/28/2025

Supervised By :Mahesh Dadoda 01/28/2025



#96

1,2,3-Trichlorobenzene

Concen: 18.489 ug/l

RT: 13.956 min Scan# 2111

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

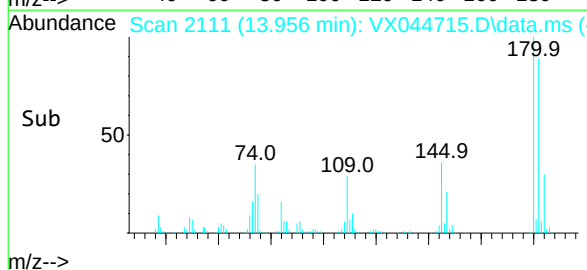
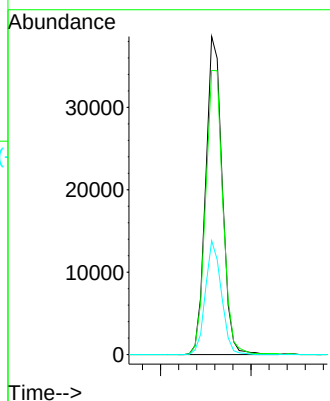
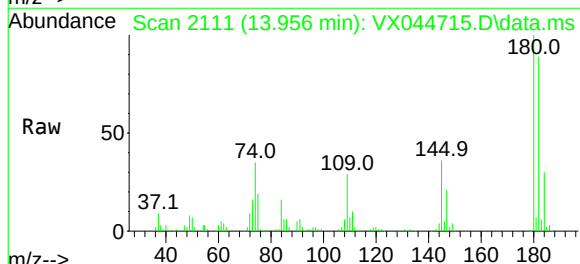
Tgt Ion:180 Resp: 48973

Ion Ratio Lower Upper

180 100

182 93.6 47.2 141.6

145 34.6 17.5 52.6



Manual Integration Report

Sequence:	VX011525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX044648.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:49:52 PM	SAM	1/16/2025 7:37:32 AM	Peak Integrated by Software
VSTDICC001	VX044648.D	1,4-Dichlorobenzene	JOHN	1/15/2025 3:49:52 PM	SAM	1/16/2025 7:37:32 AM	Peak Integrated by Software
VSTDICC001	VX044648.D	Methacrylonitrile	JOHN	1/15/2025 3:49:52 PM	SAM	1/16/2025 7:37:32 AM	Peak Integrated by Software
VSTDICC005	VX044649.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:49:56 PM	SAM	1/16/2025 7:37:34 AM	Peak Integrated by Software
VSTDICC005	VX044649.D	Tert butyl alcohol	JOHN	1/15/2025 3:49:56 PM	SAM	1/16/2025 7:37:34 AM	Peak Integrated by Software
VSTDICC020	VX044650.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:50:00 PM	SAM	1/16/2025 7:37:35 AM	Peak Integrated by Software
VSTDICC020	VX044650.D	Tert butyl alcohol	JOHN	1/15/2025 3:50:00 PM	SAM	1/16/2025 7:37:35 AM	Peak Integrated by Software
VSTDICCC050	VX044651.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:50:04 PM	SAM	1/16/2025 7:37:43 AM	Peak Integrated by Software
VSTDICCC050	VX044651.D	Tert butyl alcohol	JOHN	1/15/2025 3:50:04 PM	SAM	1/16/2025 7:37:43 AM	Peak Integrated by Software
VSTDICC100	VX044652.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:50:09 PM	SAM	1/16/2025 7:37:45 AM	Peak Integrated by Software
VSTDICC100	VX044652.D	Tert butyl alcohol	JOHN	1/15/2025 3:50:09 PM	SAM	1/16/2025 7:37:45 AM	Peak Integrated by Software
VSTDICC150	VX044653.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:50:13 PM	SAM	1/16/2025 7:37:47 AM	Peak Integrated by Software
VSTDICC150	VX044653.D	Tert butyl alcohol	JOHN	1/15/2025 3:50:13 PM	SAM	1/16/2025 7:37:47 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VX011525

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX044655.D	1,2,3-Trichloropropane	MMDADO DA	1/16/2025 7:35:14 AM	SAM	1/16/2025 7:37:49 AM	Peak Integrated by Software
VSTDICV050	VX044655.D	Tert butyl alcohol	MMDADO DA	1/16/2025 7:35:14 AM	SAM	1/16/2025 7:37:49 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX012725

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044711.D	1,2,3-Trichloropropane	JOHN	1/28/2025 10:00:00 AM	MMDadoda	1/28/2025 2:28:00 PM	Peak Integrated by Software
VSTDCCC050	VX044711.D	Chloroethane	JOHN	1/28/2025 10:00:00 AM	MMDadoda	1/28/2025 2:28:00 PM	Peak Integrated by Software
VSTDCCC050	VX044711.D	Tert butyl alcohol	JOHN	1/28/2025 10:00:00 AM	MMDadoda	1/28/2025 2:28:00 PM	Peak Integrated by Software
VX0127WBS01	VX044714.D	1,2,3-Trichloropropane	JOHN	1/28/2025 10:00:04 AM	MMDadoda	1/28/2025 2:28:02 PM	Peak Integrated by Software
VX0127WBSD0 1	VX044715.D	1,2,3-Trichloropropane	JOHN	1/28/2025 10:00:08 AM	MMDadoda	1/28/2025 2:28:02 PM	Peak Integrated by Software
VSTDCCC050	VX044734.D	1,2,3-Trichloropropane	JOHN	1/28/2025 10:00:21 AM	MMDadoda	1/28/2025 2:28:03 PM	Peak Integrated by Software
VSTDCCC050	VX044734.D	Chloroethane	JOHN	1/28/2025 10:00:21 AM	MMDadoda	1/28/2025 2:28:03 PM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX011525

Review By	John Carlone	Review On	1/15/2025 4:32:35 PM
Supervise By	Maresh Dadoda	Supervise On	1/16/2025 7:35:39 AM
SubDirectory	VX011525	HP Acquire Method	HP Processing Method 82X011525W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP132553		
Initial Calibration Stds	VP132558,VP132559,VP132560,VP132561,VP132562,VP132563		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP132564		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044647.D	15 Jan 2025 09:30	JC/MD	Ok
2	VSTDIC001	VX044648.D	15 Jan 2025 10:31	JC/MD	Ok,M
3	VSTDIC005	VX044649.D	15 Jan 2025 11:17	JC/MD	Ok,M
4	VSTDIC020	VX044650.D	15 Jan 2025 11:40	JC/MD	Ok,M
5	VSTDIC050	VX044651.D	15 Jan 2025 12:02	JC/MD	Ok,M
6	VSTDIC100	VX044652.D	15 Jan 2025 13:14	JC/MD	Ok,M
7	VSTDIC150	VX044653.D	15 Jan 2025 13:37	JC/MD	Ok,M
8	IBLK	VX044654.D	15 Jan 2025 14:00	JC/MD	Ok
9	VSTDICV050	VX044655.D	15 Jan 2025 15:15	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX012725

Review By	John Carlone	Review On	1/28/2025 10:02:21 AM
Supervise By	Maresh Dadoda	Supervise On	1/28/2025 2:28:05 PM
SubDirectory	VX012725	HP Acquire Method	HP Processing Method 82X011525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132695		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132696,VP132697		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044710.D	27 Jan 2025 08:47	JC/MD	Ok
2	VSTDCCC050	VX044711.D	27 Jan 2025 10:08	JC/MD	Ok,M
3	VX0127MBL01	VX044712.D	27 Jan 2025 10:38	JC/MD	Ok
4	VX0127WBL01	VX044713.D	27 Jan 2025 11:01	JC/MD	Ok
5	VX0127WBS01	VX044714.D	27 Jan 2025 11:24	JC/MD	Ok,M
6	VX0127WBSD01	VX044715.D	27 Jan 2025 11:52	JC/MD	Ok,M
7	Q1173-06	VX044716.D	27 Jan 2025 12:15	JC/MD	Ok
8	Q1173-01	VX044717.D	27 Jan 2025 12:38	JC/MD	Ok
9	Q1173-02	VX044718.D	27 Jan 2025 13:01	JC/MD	Ok
10	Q1173-03	VX044719.D	27 Jan 2025 13:24	JC/MD	Ok
11	Q1173-04	VX044720.D	27 Jan 2025 13:47	JC/MD	Ok
12	Q1173-05	VX044721.D	27 Jan 2025 14:09	JC/MD	Ok
13	PB166212TB	VX044722.D	27 Jan 2025 14:32	JC/MD	Ok
14	PB166212ZHE#01	VX044723.D	27 Jan 2025 14:55	JC/MD	Ok
15	PB166212ZHE#02	VX044724.D	27 Jan 2025 15:18	JC/MD	Ok
16	PB166212ZHE#03	VX044725.D	27 Jan 2025 15:42	JC/MD	Ok
17	Q1169-02	VX044726.D	27 Jan 2025 16:04	JC/MD	Ok
18	Q1169-04	VX044727.D	27 Jan 2025 16:28	JC/MD	Ok
19	Q1169-06	VX044728.D	27 Jan 2025 16:51	JC/MD	Ok
20	IBLK	VX044729.D	27 Jan 2025 17:14	JC/MD	Ok
21	Q1180-01	VX044730.D	27 Jan 2025 17:37	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX012725

Review By	John Carlone	Review On	1/28/2025 10:02:21 AM
Supervise By	Maresh Dadoda	Supervise On	1/28/2025 2:28:05 PM
SubDirectory	VX012725	HP Acquire Method	HP Processing Method 82X011525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132695		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132696,VP132697		

22	Q1180-02	VX044731.D	27 Jan 2025 18:00	JC/MD	Ok
23	Q1180-03	VX044732.D	27 Jan 2025 18:23	JC/MD	Ok
24	Q1180-04	VX044733.D	27 Jan 2025 18:46	JC/MD	ReRun
25	VSTDCCC050	VX044734.D	27 Jan 2025 19:09	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX011525

Review By	John Carlone	Review On	1/15/2025 4:32:35 PM
Supervise By	Maresh Dadoda	Supervise On	1/16/2025 7:35:39 AM
SubDirectory	VX011525	HP Acquire Method	HP Processing Method 82X011525W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132553 VP132558,VP132559,VP132560,VP132561,VP132562,VP132563 VP132564

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044647.D	15 Jan 2025 09:30		JC/MD	Ok
2	VSTDIC001	VSTDIC001	VX044648.D	15 Jan 2025 10:31		JC/MD	Ok,M
3	VSTDIC005	VSTDIC005	VX044649.D	15 Jan 2025 11:17		JC/MD	Ok,M
4	VSTDIC020	VSTDIC020	VX044650.D	15 Jan 2025 11:40		JC/MD	Ok,M
5	VSTDIC050	VSTDIC050	VX044651.D	15 Jan 2025 12:02	Method failed for Acrolein	JC/MD	Ok,M
6	VSTDIC100	VSTDIC100	VX044652.D	15 Jan 2025 13:14		JC/MD	Ok,M
7	VSTDIC150	VSTDIC150	VX044653.D	15 Jan 2025 13:37		JC/MD	Ok,M
8	IBLK	IBLK	VX044654.D	15 Jan 2025 14:00		JC/MD	Ok
9	VSTDICV050	ICVVX011525	VX044655.D	15 Jan 2025 15:15		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX012725

Review By	John Carlone	Review On	1/28/2025 10:02:21 AM
Supervise By	Mahesh Dadoda	Supervise On	1/28/2025 2:28:05 PM
SubDirectory	VX012725	HP Acquire Method	HP Processing Method 82X011525W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP132695
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132696,VP132697

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044710.D	27 Jan 2025 08:47		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044711.D	27 Jan 2025 10:08	V13516	JC/MD	Ok,M
3	VX0127MBL01	VX0127MBL01	VX044712.D	27 Jan 2025 10:38		JC/MD	Ok
4	VX0127WBL01	VX0127WBL01	VX044713.D	27 Jan 2025 11:01		JC/MD	Ok
5	VX0127WBS01	VX0127WBS01	VX044714.D	27 Jan 2025 11:24		JC/MD	Ok,M
6	VX0127WBSD01	VX0127WBSD01	VX044715.D	27 Jan 2025 11:52		JC/MD	Ok,M
7	Q1173-06	VPB-192-HYD-2025012	VX044716.D	27 Jan 2025 12:15	vial A pH<2	JC/MD	Ok
8	Q1173-01	BP-VPB-192-TB-20250	VX044717.D	27 Jan 2025 12:38	vial A pH<2	JC/MD	Ok
9	Q1173-02	BP-VPB-192-GW-60-62	VX044718.D	27 Jan 2025 13:01	vial A pH<2	JC/MD	Ok
10	Q1173-03	BP-VPB-192-GW-100-1	VX044719.D	27 Jan 2025 13:24	vial A pH<2	JC/MD	Ok
11	Q1173-04	BP-VPB-192-GW-140-1	VX044720.D	27 Jan 2025 13:47	vial A pH<2	JC/MD	Ok
12	Q1173-05	BP-VPB-192-GW-200-2	VX044721.D	27 Jan 2025 14:09	vial A pH<2	JC/MD	Ok
13	PB166212TB	PB166212TB	VX044722.D	27 Jan 2025 14:32		JC/MD	Ok
14	PB166212ZHE#01	PB166212ZHE#01	VX044723.D	27 Jan 2025 14:55		JC/MD	Ok
15	PB166212ZHE#02	PB166212ZHE#02	VX044724.D	27 Jan 2025 15:18		JC/MD	Ok
16	PB166212ZHE#03	PB166212ZHE#03	VX044725.D	27 Jan 2025 15:42		JC/MD	Ok
17	Q1169-02	ARS20-0006	VX044726.D	27 Jan 2025 16:04	vial A pH#5.0	JC/MD	Ok
18	Q1169-04	REGULATOR-BUILDIN	VX044727.D	27 Jan 2025 16:28	vial A pH#5.0	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX012725

Review By	John Carlone	Review On	1/28/2025 10:02:21 AM
Supervise By	Maresh Dadoda	Supervise On	1/28/2025 2:28:05 PM
SubDirectory	VX012725	HP Acquire Method	HP Processing Method 82X011525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132695		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132696,VP132697		

19	Q1169-06	SPILL-SITE	VX044728.D	27 Jan 2025 16:51	vial A pH#5.0	JC/MD	Ok
20	IBLK	IBLK	VX044729.D	27 Jan 2025 17:14		JC/MD	Ok
21	Q1180-01	Storage-Blank-SOIL-RE	VX044730.D	27 Jan 2025 17:37	vial A pH<2	JC/MD	Ok
22	Q1180-02	Storage-Blank-WATER-	VX044731.D	27 Jan 2025 18:00	vial A pH<2	JC/MD	Ok
23	Q1180-03	Storage-Blank-WATER-	VX044732.D	27 Jan 2025 18:23	vial A pH<2	JC/MD	Ok
24	Q1180-04	Storage-Blank-SAMPLE	VX044733.D	27 Jan 2025 18:46	Surrogate Fail	JC/MD	ReRun
25	VSTDCCC050	VSTDCCC050EC	VX044734.D	27 Jan 2025 19:09		JC/MD	Ok,M

M : Manual Integration

Prep Standard - Chemical Standard Summary

Order ID : Q1173

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VX012725,

Standard ID :

VP130430,VP131746,VP131767,VP132035,VP132096,VP132468,VP132613,VP132695,VP132696,VP132697,

Chemical ID :

V13391,V13446,V13457,V13460,V13465,V13466,V13707,V14145,V14154,V14175,V14176,V14289,V14433,V14439,V14521,V14522,V14614,V14624,V14627,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14754,V14756,V14801,V14814,V14830,V14831,V14832,W3112,

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
617	8260 Surrogate, 400PPM	VP130430	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								09/26/2024

FROM 0.40000ml of V13707 + 24.60000ml of V14145 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = Final
Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP132468	01/08/2025	02/07/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/17/2025

FROM 1.00000ml of V14832 + 1.50000ml of V14830 + 1.50000ml of V14831 + 21.00000ml of V14627 = Final Quantity: 25.000 ml



VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP132613	01/20/2025	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/29/2025

FROM 0.40000ml of V13446 + 1.00000ml of V14175 + 1.00000ml of V14176 + 1.00000ml of V14433 + 1.00000ml of V14439 + 1.00000ml of V14521 + 1.00000ml of V14522 + 1.00000ml of V14722 + 1.00000ml of V14754 + 1.00000ml of V14756 + 1.00000ml of V14801 + 1.00000ml of V14814 + 1.50000ml of V14723 + 1.50000ml of V14724 + 10.60000ml of V14624 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP132695	01/27/2025	01/28/2025	John Carlone	None	None	Mahesh Dadoda 01/29/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml



VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP132696	01/27/2025	01/28/2025	John Carlone	None	None	Mahesh Dadoda 01/29/2025
<u>FROM</u>	39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132468 + 0.01250ml of VP132613 = 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	VP132697	01/27/2025	01/28/2025	John Carlone	None	None	Mahesh Dadoda 01/29/2025
<u>FROM</u>	39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132468 + 0.01250ml of VP132613 = Final Quantity: 40.000 ml							

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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 #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	07/06/2025	01/06/2025 / SAM	11/26/2024 / SAM	V14627

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

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	V14723

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14724

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	010725	02/07/2025	01/08/2025 / SAM	01/08/2025 / SAM	V14830

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	010725	02/07/2025	01/08/2025 / SAM	01/08/2025 / SAM	V14831

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	010725	02/07/2025	01/08/2025 / SAM	01/08/2025 / SAM	V14832

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

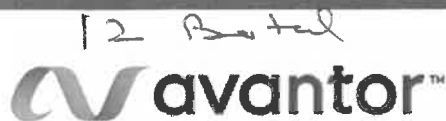
Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	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



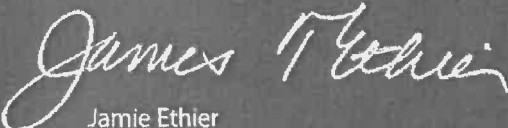
Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

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 Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **010725**
Description: **Acrolein**

Expiration Date: **020725**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **5000**
NIST Test ID#: **6UTB**

Solvent(s): **Water** Lot# **072324Q**

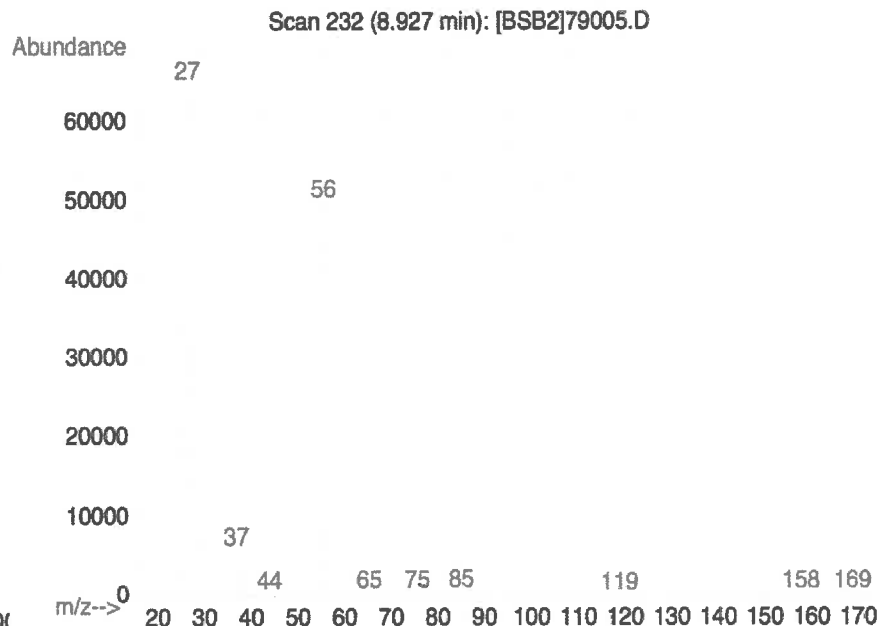
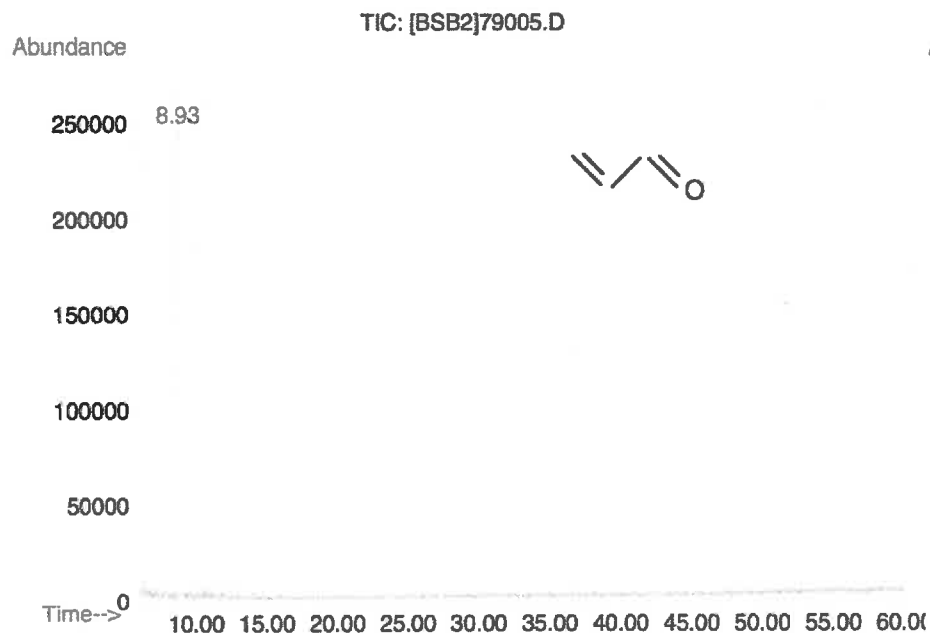
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): **10.0**

<i>Anthony Mahoney</i>		010725
Formulated By:	Anthony Mahoney	DATE
<i>Pedro L. Rentas</i>		010725
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossetto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#: 7732-18-5	% (optional)
Water		> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	Completely miscible		NA
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA
Hazardous decomposition products -	No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA
Causes skin irritation.	
Eye irritation	

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **010725**
Description: **Acrolein**

Expiration Date: **020725**Recommended Storage: **Refrigerate (4 °C)**Nominal Concentration (µg/mL): **5000**NIST Test ID#: **6UTB**

Solvent(s): **Water** Lot# **072324Q**

5E-05 Balance Uncertainty

0.001 Flask Uncertainty

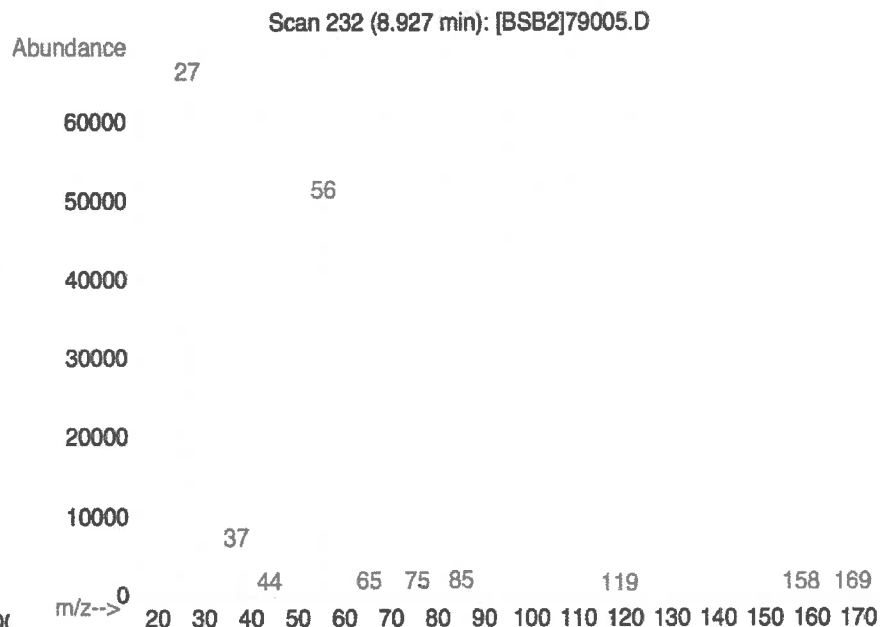
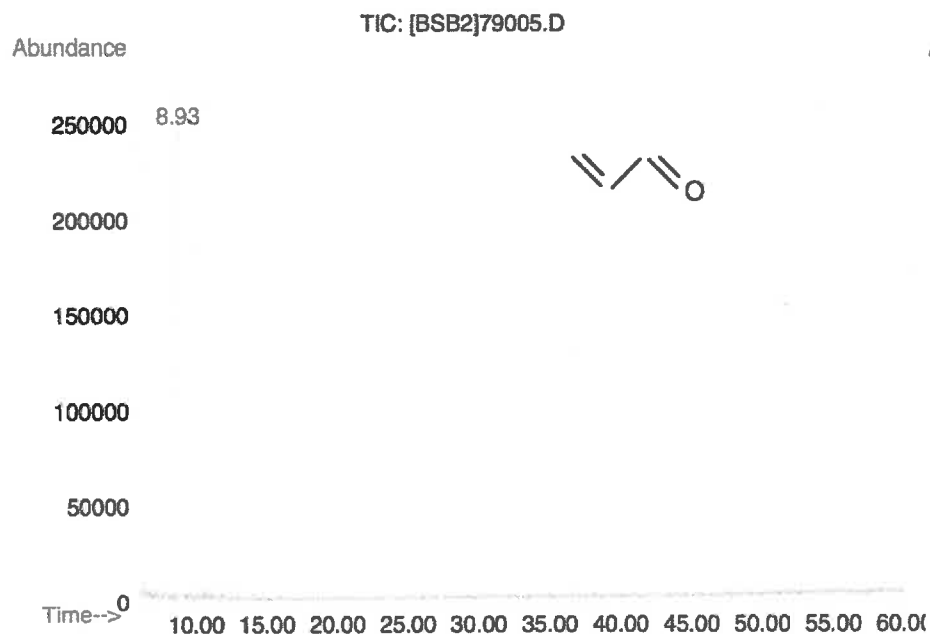
Weight(s) shown below were combined and diluted to (mL): **10.0**

<i>Anthony Mahoney</i>		010725
Formulated By:	Anthony Mahoney	DATE
<i>Pedro L. Rentas</i>		010725
Reviewed By:	Pedro L. Rentas	DATE

5 vial
V 14823 to
V 14829 *V 14827*

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossetto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#: 7732-18-5	% (optional)
Water		> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	Completely miscible		NA
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA
Hazardous decomposition products -	No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA
Causes skin irritation.	
Eye irritation	

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **010725**
Description: **Acrolein**

Expiration Date: **020725**Recommended Storage: **Refrigerate (4 °C)**Nominal Concentration (µg/mL): **5000**NIST Test ID#: **6UTB**

Solvent(s): **Water** Lot# **072324Q**

5E-05 Balance Uncertainty

0.001 Flask Uncertainty

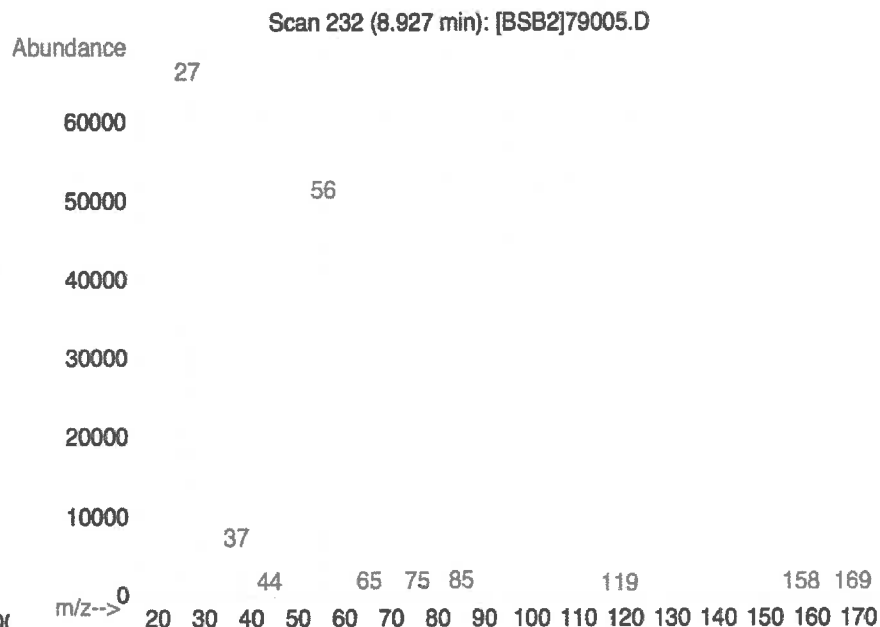
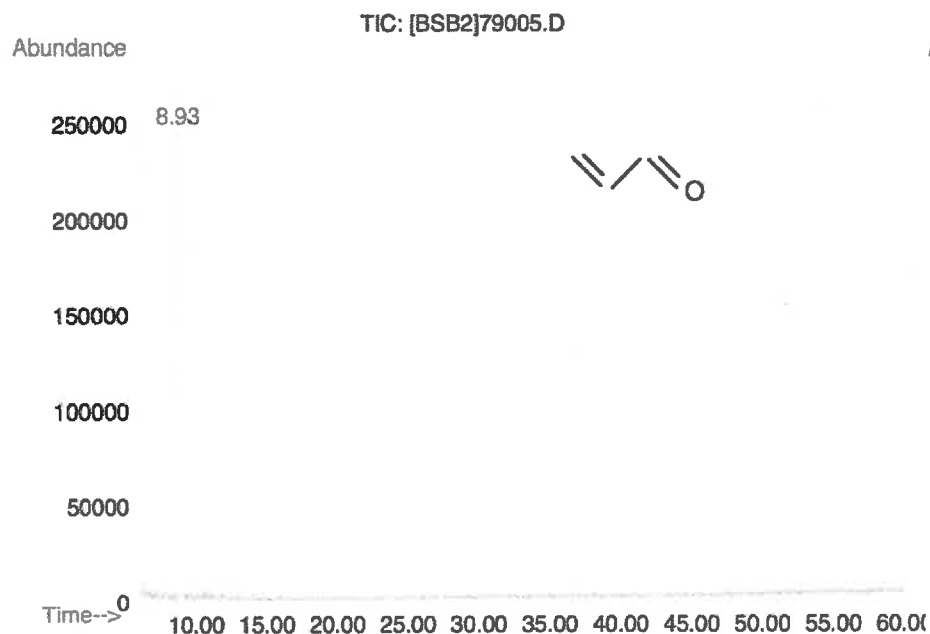
Weight(s) shown below were combined and diluted to (mL): **10.0**

<i>Anthony Mahoney</i>		010725
Formulated By:	Anthony Mahoney	DATE
<i>Pedro L. Rentas</i>		010725
Reviewed By:	Pedro L. Rentas	DATE

5 vial
V 14823 to
V 14829 *V 14827*

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossetto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#: 7732-18-5	% (optional)
Water		> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	Completely miscible		NA
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA
Hazardous decomposition products -	No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA
Causes skin irritation.	
Eye irritation	

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **021624**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): **Methanol**
Lot#: **EG359-USQ12**

Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty: **5E-05** Flask Uncertainty: **0.021**

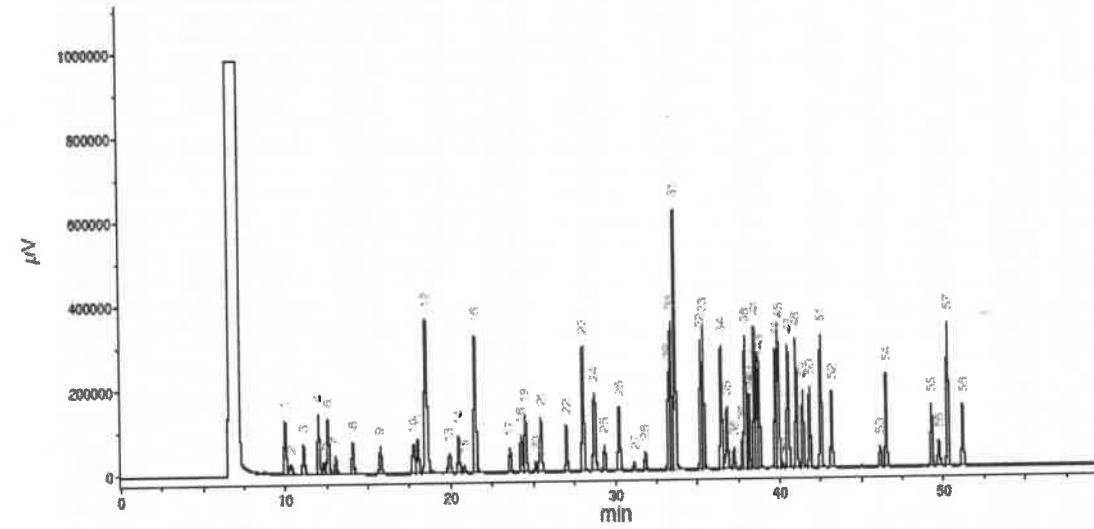
Formulated By: <i>Prashant Chauhan</i>		021624
Reviewed By: <i>Pedro L. Rentes</i>		021624
		DATE

Compound	(RM#)	Lot	Di.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information		
														(Solvent Safety Info. On Attached pg.)		
Part Number	Number	Factor	Vol. (mL)	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)	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)	03427ET	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 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	2000.2	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	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	N/A
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	99-87-8	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
51. Styrene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-98-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	or-rat 1390mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	N/A	or-rat 5g/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-67-8	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	75 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	1999.6	23.0	96-50-1	50 ppm (245mg/m3/8H)	or-rat 1

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	37.99
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**

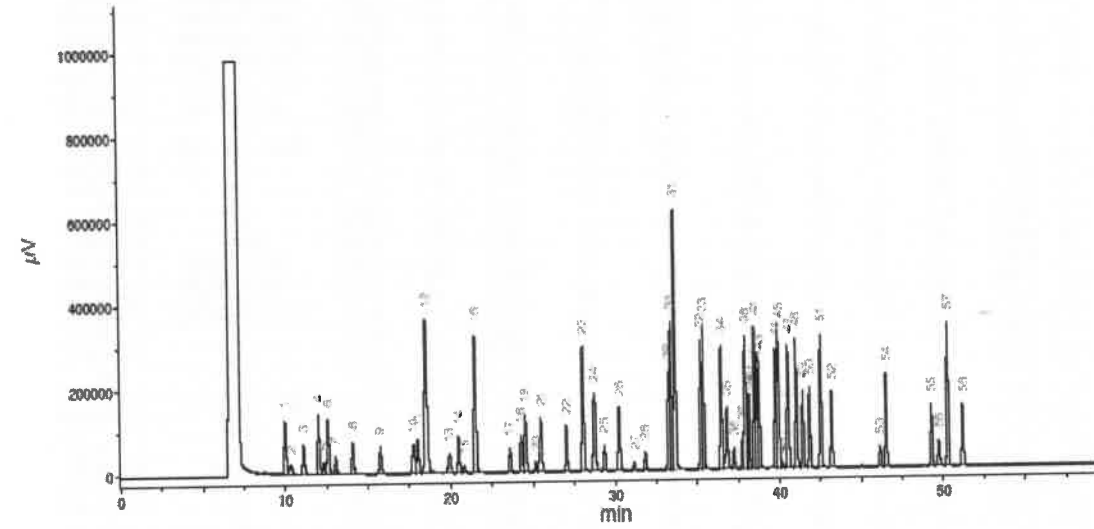
		021624
Formulated By:	Prashant Chauhan	DATE
		021624
Reviewed By:	Pedro L. Rentes	DATE

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)	Uncertainty	(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)	LD50
Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2400mg/kg	
Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg	
Carbon disulfide	(0060)	MKCR8581	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg	
cis-1,4-Dichloro-2-butene	(1198)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	NA	NA	
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	NA	NA	
Diethyl ether	(0153)	IK18CA5000K	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	NA	NA	
Ethyl methacrylate	(0381)	06126PK	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	NA	or-rat 14800mg/kg	
Iodomethane	(0489)	5HBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm (28mg/m3/8H) (skin)	or-rat 70mg/kg	
2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 3480mg/kg	
Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 1200mg/kg	
Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg	
Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg	
Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 780mg/kg	
2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	or-rat 7200mg/kg	
Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	NA	NA	
1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7800mg/m3/8H)	or-rat 43g/kg	
Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	NA	or-rat 910mg/kg	
Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-49-1	NA	or-rat 840mg/kg	
cis-1,2-Dichloroethane	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	NA	N/A	
trans-1,2-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	NA	N/A	
Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 1235mg/kg	
1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg	
Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 930mg/kg	
Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg	
Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	67-66-3	50 ppm (240mg/m3) (CL)	or-rat 900mg/kg	
Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	NA	or-rat 105mg/kg	
1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 725mg/kg	
2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	NA	N/A	
Tetrachloroethane	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H) (final)	or-rat 2629mg/kg	
1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg	
1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-6	0.001 ppm	or-rat 170mg/kg	
1,2-Dibromomethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	or-rat 108mg/kg	
1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-08-2	50 ppm (8H)	or-rat 870mg/kg	
1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-57-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg	
1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	NA	un-rat 3600mg/kg	
1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-56-6	NA	N/A	
cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	NA	N/A	
trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	NA	N/A	
Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg	
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	NA	or-rat 670mg/kg	
1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H) (skin)	or-rat 800mg/kg	
1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H) (skin)	or-rat 836mg/kg	
Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	80 ppm (270mg/m3/8H)	or-rat 2400mg/kg	
1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (50mg/m3/8H)	or-rat 149.6mg/kg	
Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4694mg/kg	
Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	104-51-8	NA	N/A	
n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg	
Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	99-87-6	NA	or-rat 4750mg/kg	
p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg	
Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg	
Styrene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-98-3	200 ppm	or-rat 5000mg/kg	
Toluene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	NA	or-rat 1390mg/kg	
1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg	
1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	NA	or-rat 5g/kg	
1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-57-8	NA	or-rat 5000mg/kg	
1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg	
m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	NA	N/A	
tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	NA	N/A	
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 2240mg/kg	
Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg	
Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	NA	or-rat 2100mg/kg	
Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	541-73-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg	
2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-50-1	75 ppm (450mg/m3/8H)	or-rat 900mg/kg	
3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA									

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.24
11	cis-1,2-Dichloroethane	18.00
12	Methacrylonitrile/methyl acrylate/Chloroform	18.46
13	Isobutane/1,1,1-Trichloroethane	19.01
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethane	23.58
18	1,2-Dichloropropane	24.38
19	Methyl methacrylate	24.52
20	Bromochloromethane	25.13
21	Dibromomethane/2-Hitroprene	25.46
22	cis-1,3-Dichloropropane	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropane	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromomethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.39
34	Isopropylbenzene/Bromoforn	36.18
35	cis-1,4-Dichloro-3-butene	36.48
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-3-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.74
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection. Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified 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#
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

27

60000

50000

40000

30000

20000

10000

37

44

65 75 85

119

158 169

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM

Dec 09/17/24

2 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **091424**
Description: **Acrolein**Solvent(s):
Water Lot#
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

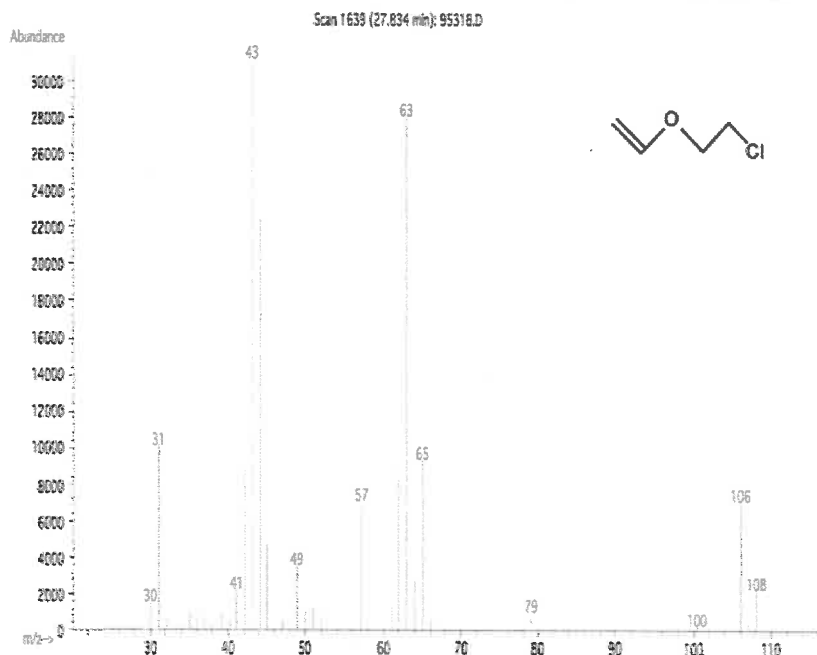
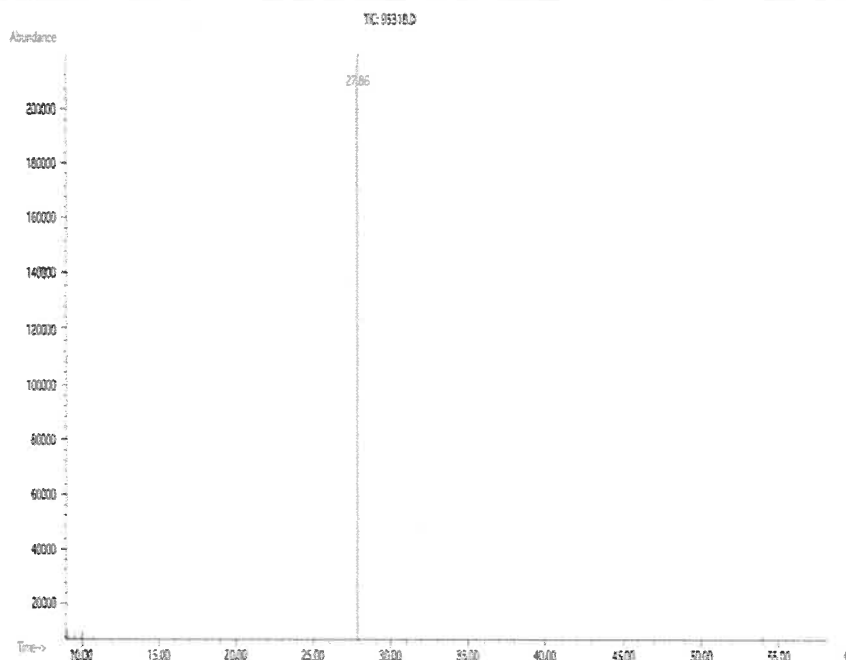
Weight(s) shown below were combined and diluted to (mL): **50.0**

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

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 Rosotto Dr. Hamden CT. 06514	Emergency Telephone International Date Prepared/Revised	1-352-323-3500 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))	CAS#	% (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. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm		
Skin notation	TWA 200 ppm		
Potential for skin absorption, ingestion and inhalation.			
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use.	Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.			

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol
Lot#: **EJ143-US**

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

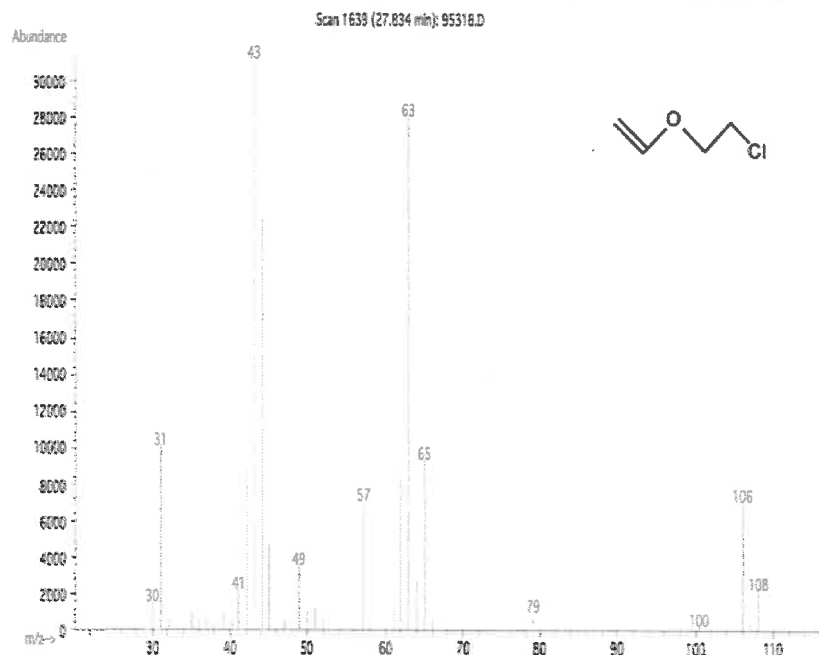
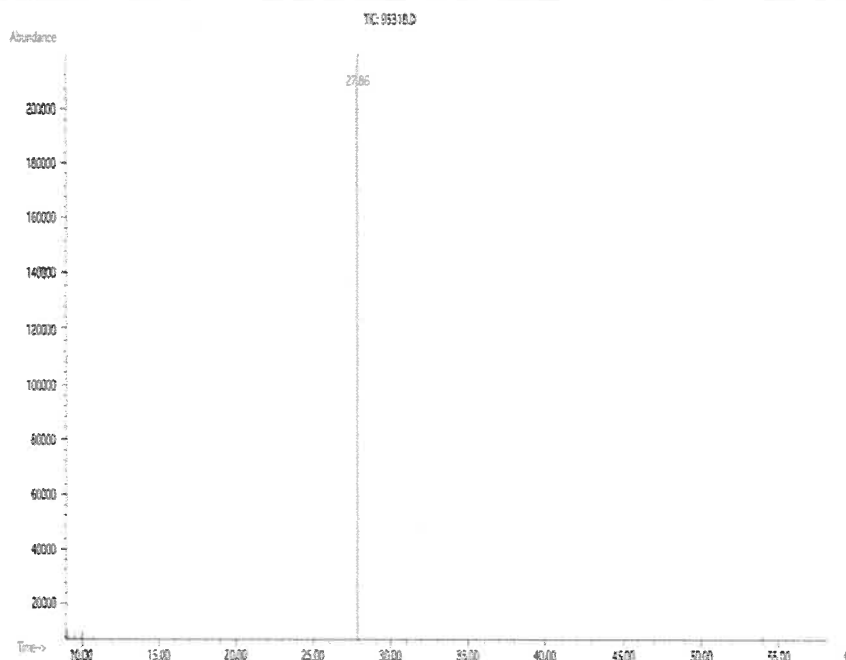
Weight(s) shown below were combined and diluted to (mL): **50.0**
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

*✓ 14630 to
✓ 14649*

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min.,
Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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 Rosotto Dr. Hamden CT. 06514	Emergency Telephone International Date Prepared/Revised	1-352-323-3500 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))	CAS#	% (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. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm		
Skin notation	TWA 200 ppm		
Potential for skin absorption, ingestion and inhalation.			
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use.	Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.			

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

See 1216124
20 vial
✓ 14630 to
✓ 14649

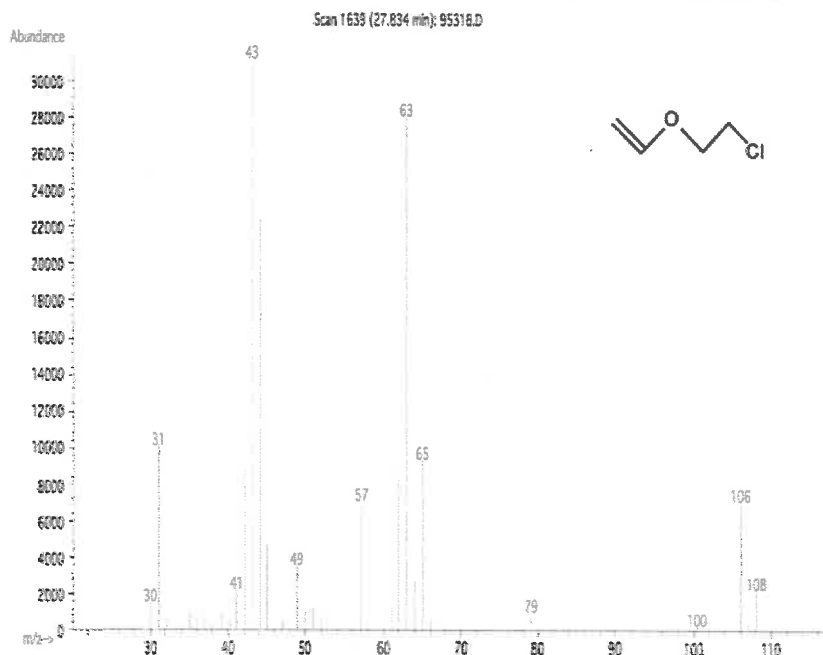
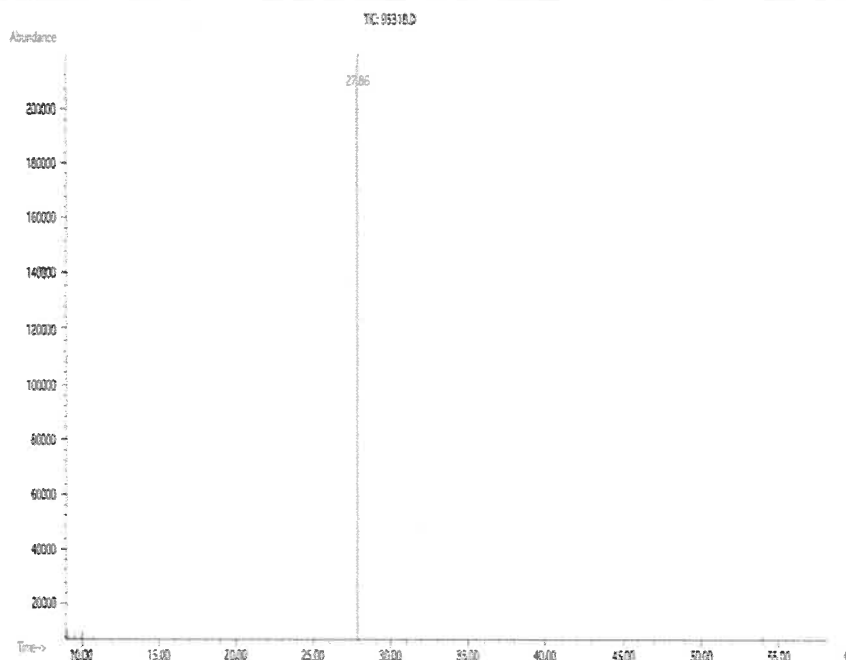
Weight(s) shown below were combined and diluted to (mL): **50.0**

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

<i>Prashant Chauhan</i>		120524
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	67-56-1	TWA 200 ppm
Skin notation			TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.			
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use.	Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.			

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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.		

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Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
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OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
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Lot#
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Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

See 1216124
20 vial
V14630 to
V14649

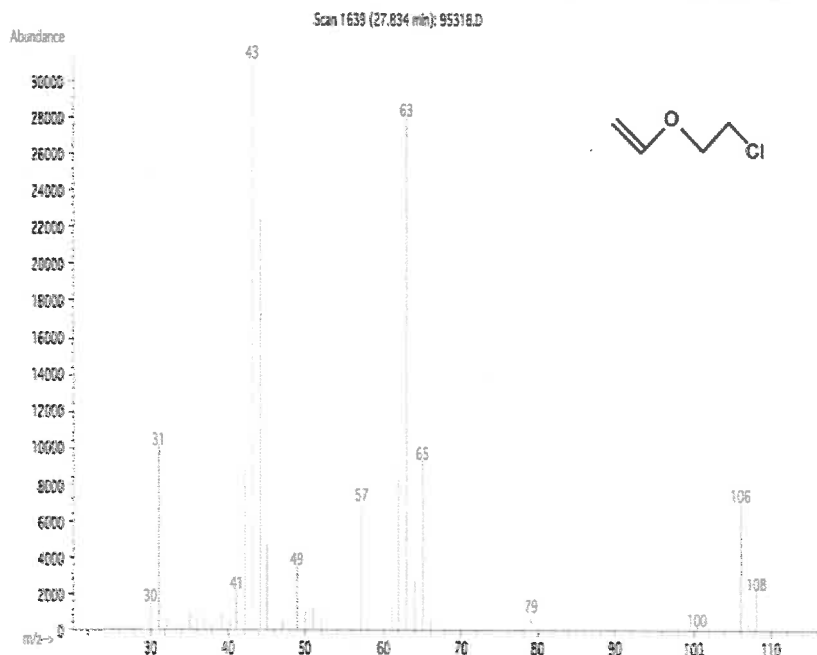
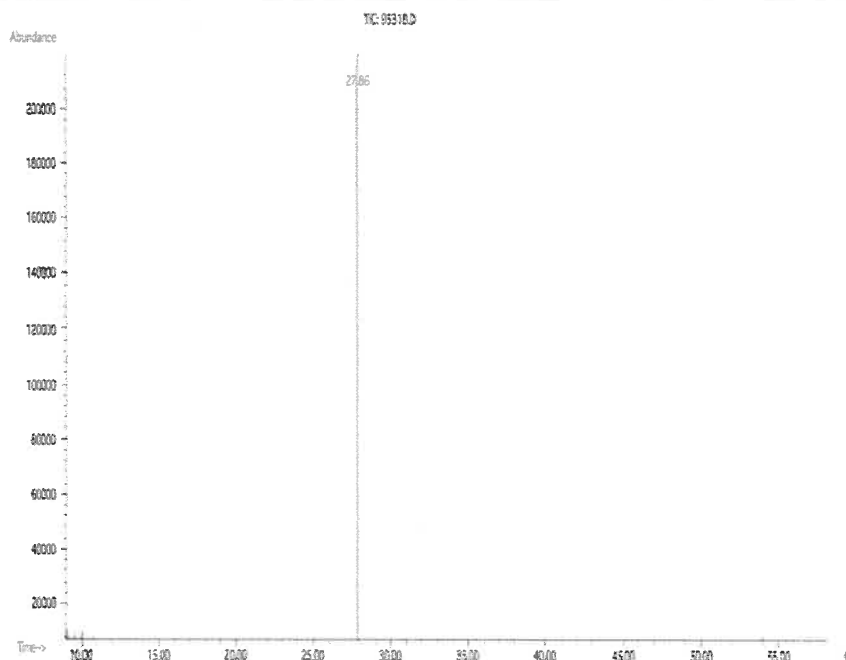
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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 Lot No.: A0181905
Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : February 28, 2025 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)												
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBM7694)	50,126.0 µg/mL	<table><tr><td>+/-</td><td>293.4988</td><td>µg/mL</td><td>Gravimetric</td></tr><tr><td>+/-</td><td>1,073.7654</td><td>µg/mL</td><td>Unstressed</td></tr><tr><td>+/-</td><td>1,104.9494</td><td>µg/mL</td><td>Stressed</td></tr></table>	+/-	293.4988	µg/mL	Gravimetric	+/-	1,073.7654	µg/mL	Unstressed	+/-	1,104.9494	µg/mL	Stressed
+/-	293.4988	µg/mL	Gravimetric												
+/-	1,073.7654	µg/mL	Unstressed												
+/-	1,104.9494	µg/mL	Stressed												

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

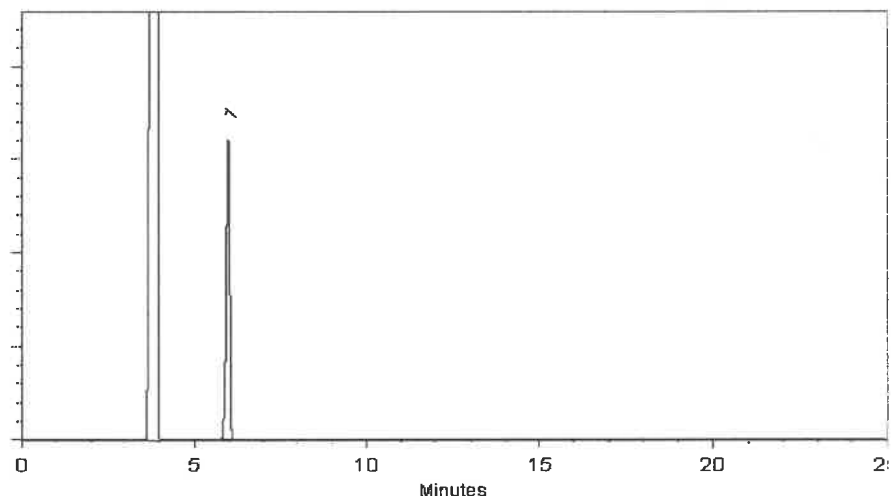
200°C

Det. Temp:

250°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022

Balance: B442140311

Marlene Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



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Fax: 1-814-353-1309

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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:

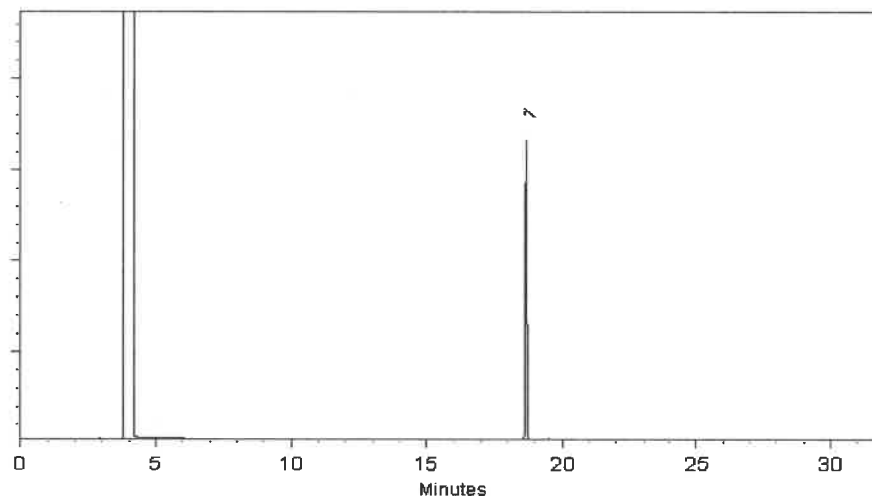
FID

Split Vent:

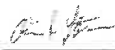
40 ml/min

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/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

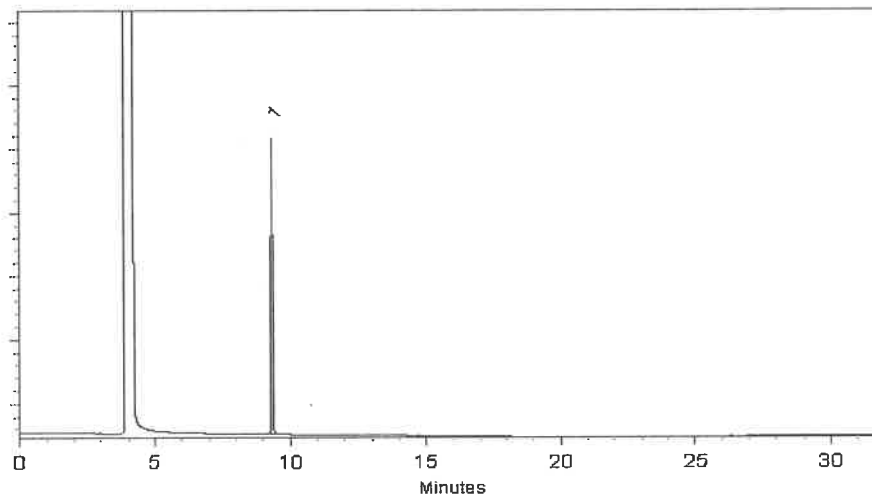
FID

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:

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Handling Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

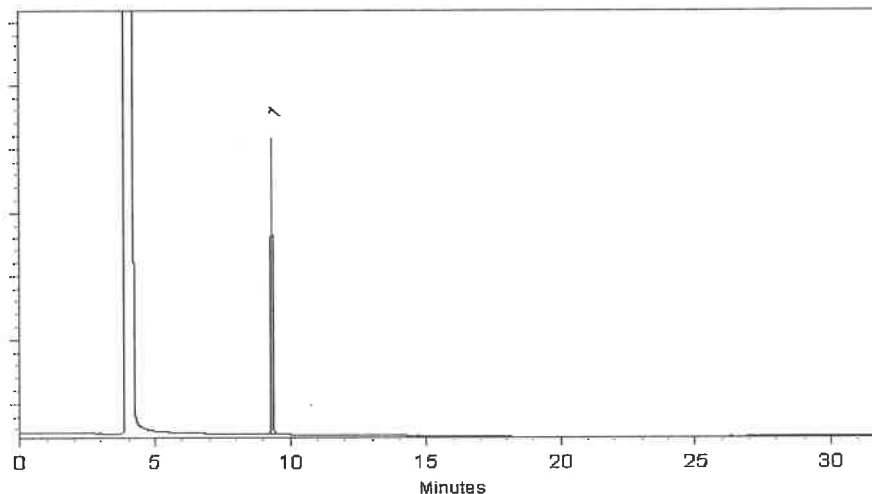
FID

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:

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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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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:

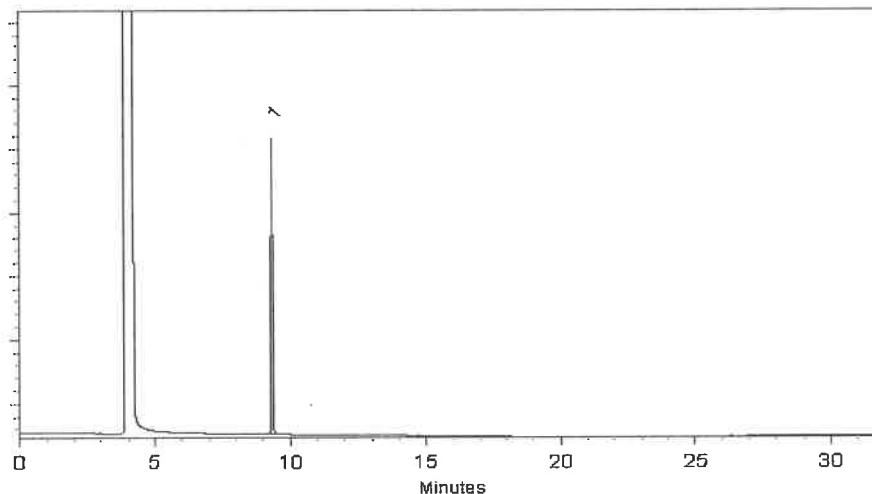
FID

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:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

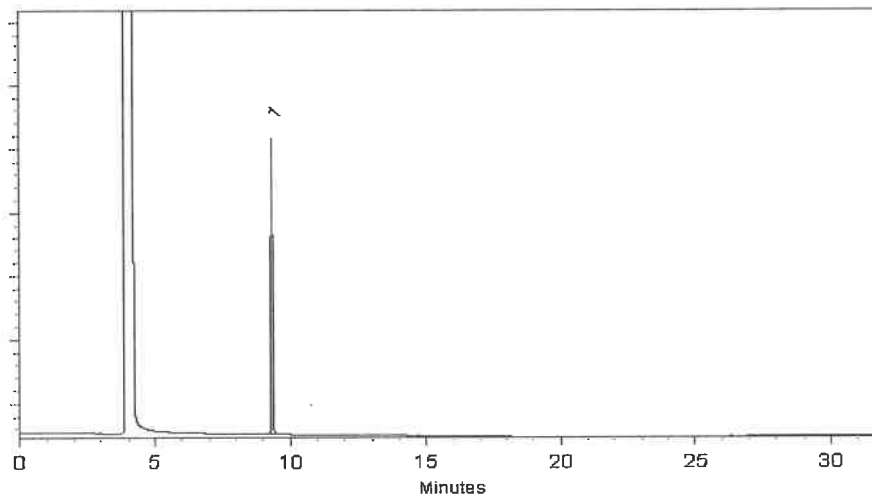
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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:

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Handling Notes:

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gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix
Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol,
1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023

Balance: 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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- 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 plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

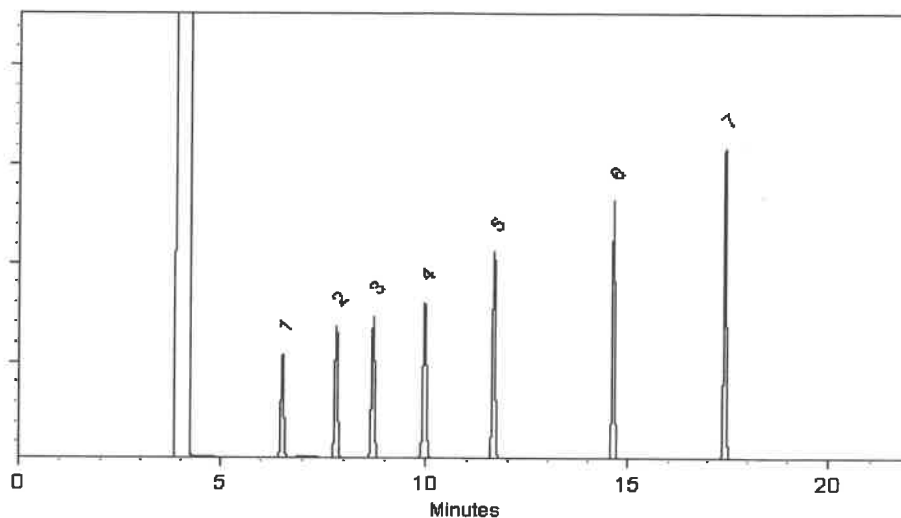
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024

Balance Serial # B707717271

Dillon Murphy
Dillon Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

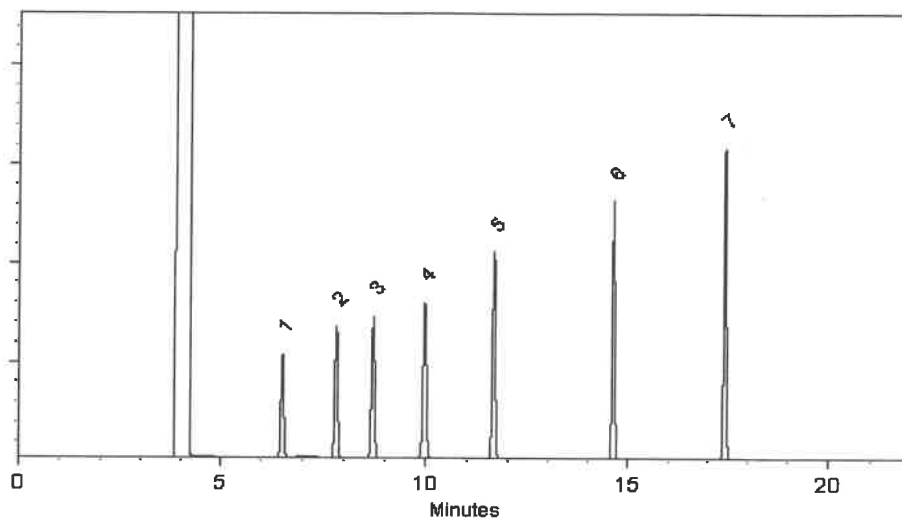
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024

Balance Serial # B707717271

Dillon Murphy
Dillon Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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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

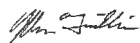
Expiration Date : April 30, 2027 **Storage:** 10°C or colder

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 SDS per April 18, 2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

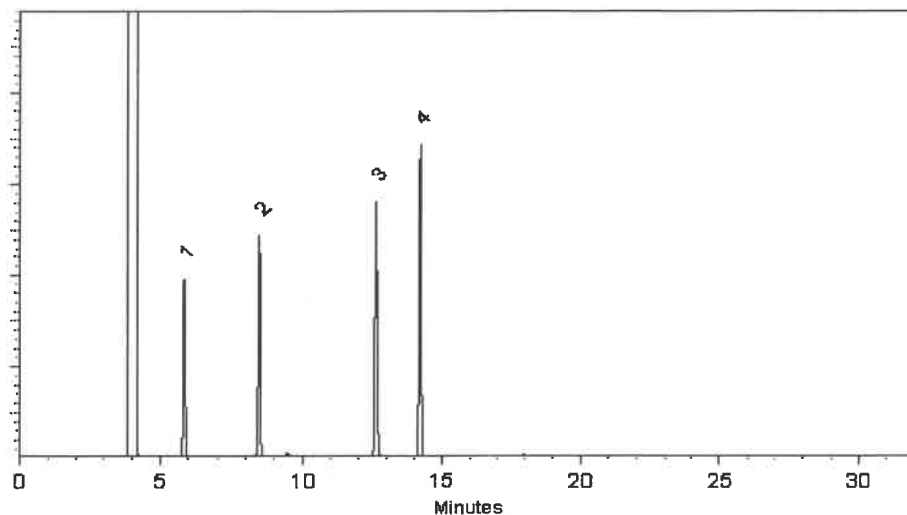
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

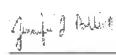


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

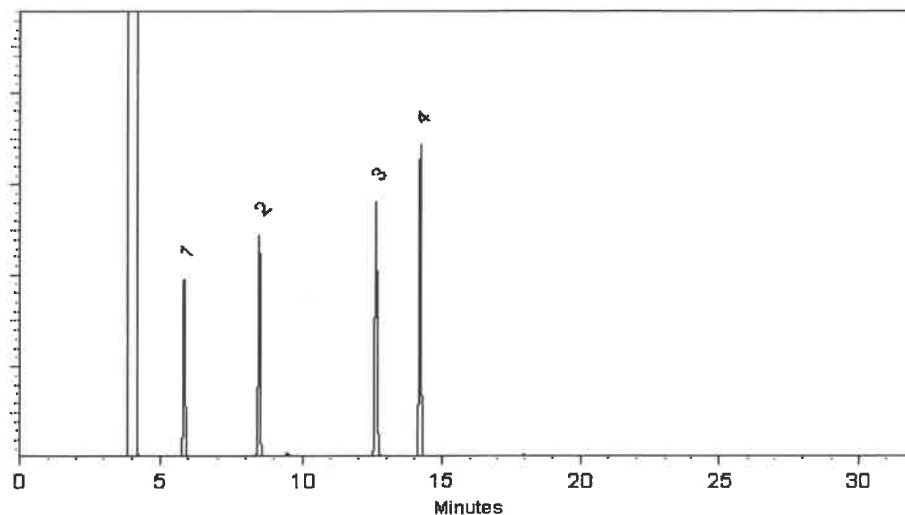
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

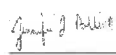


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

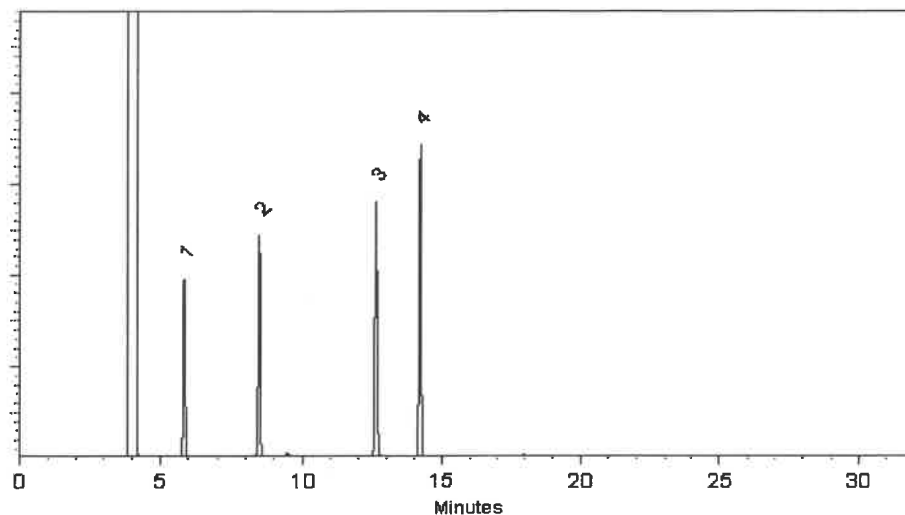
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

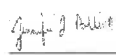


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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Rec 12/17/24
CERTIFIED REFERENCE MATERIAL

30 ml
Certificate of Analysis
chromatographic plus

V14727 to
V14756



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2031 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
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:

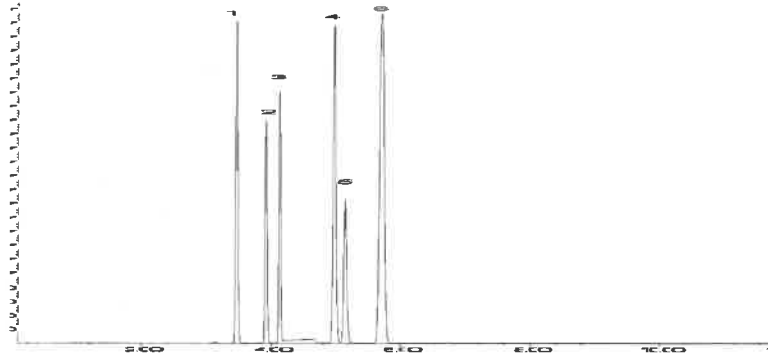
MSD

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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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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Rec 12/17/24
CERTIFIED REFERENCE MATERIAL

30 ml
Certificate of Analysis
chromatographic plus

V14727 to
V14756



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2031 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
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:

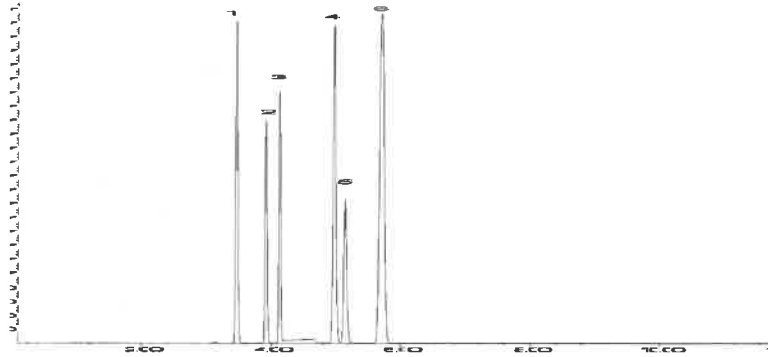
MSD

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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2014 Dec 01/08/21
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2026 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

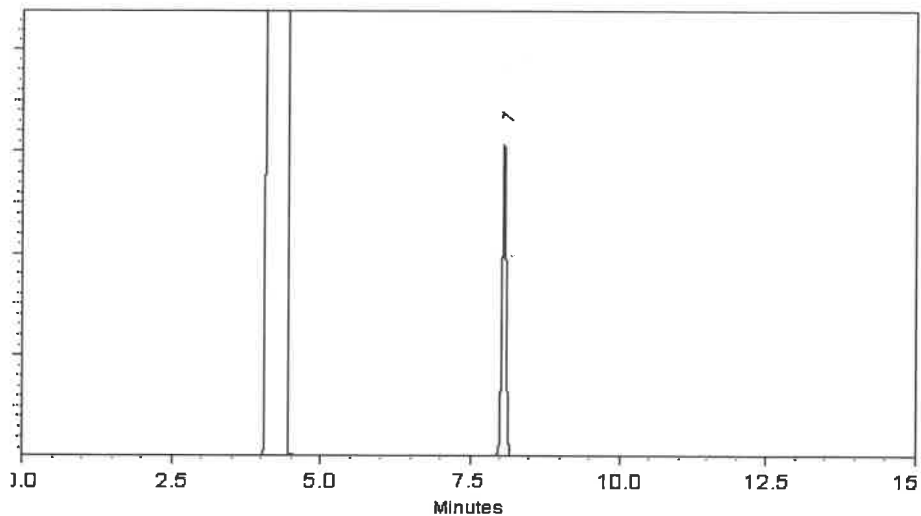
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024

Balance Serial # 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED
By Jennifer Pollock at 7:12 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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10 vol Rec 01/08/25
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:

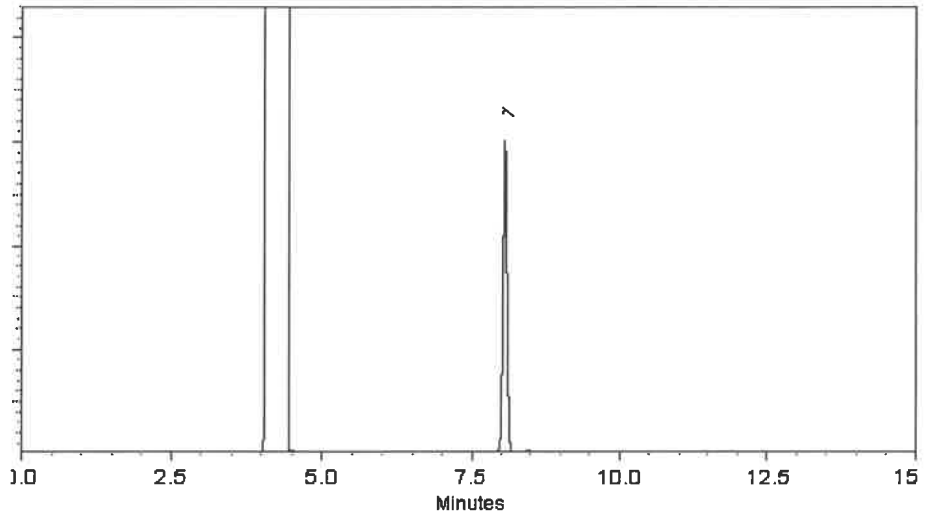
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

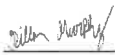


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality



SHIPPING DOCUMENTS

CHEMTECH CHAIN OF CUSTODY RECORD		284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 78-8922 www.chemtech.net		Chemtech Project Number: Q1173										
CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION										
COMPANY: Tetra Tech ADDRESS: 4433 Corporation Lane Suite 300 CITY: Virginia Beach STATE: VA ZIP: 23462 ATTENTION: Ernie Wu PHONE: 757-466-4901 FAX: 757-461-4148		PROJECT NAME: NWIRP Bethpage PROJECT #: 112G08005-WE13 LOCATION: VPB-192 PROJECT MANAGER: Ernie Wu E-MAIL: ernie.wu@tetratech.com PHONE: 757-466-4901 FAX: 757-461-4148		BILL TO: SEE CONTRACT PO# ADDRESS: CITY: STATE: ZIP: ATTENTION: PHONE:										
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS										
FAX: <u>2-8-10</u> DAYS* HARD COPY: <u>2-8-10</u> DAYS* EDD: <u>2-8-10</u> DAYS* * TO BE APPROVED BY CHEMTECH STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		☐ RESULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☐ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☐ Other _____ ☐ EDD Format _____		VOC(SW846-3200E) 1,4 Dioxane (8270 SIM) <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td> </tr> </table>		1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9						
				PRESERVATIVES										
				COMMENTS										
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION <u>192 NG</u>	SAMPLE MATRIX	SAMPLE TYPE COMP GRAB	SAMPLE COLLECTION DATE TIME	# of Bottles									
1.	BP-VPB-196-TB-20250121	QA	X	1/21/25 9:00	2									
2.	BP-VPB-192-GW-60-62	AQ	X	1/21/25 10:55	3									
3.	BP-VPB-192-GW-100-102	AQ	X	1/21/25 14:00	3									
4.	BP-VPB-192-GW-140-142	AQ	X	1/22/25 11:20	3									
5.	BP-VPB-192-GW-200-202	AQ	X	1/22/25 14:45	3									
6.	VPB-192-HYD-20250122	AQ	X	1/22/25 15:30	3									
7.														
8.														
9.														
10.														

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	
1.	1/23/25	1.	1530
RELINQUISHED BY	DATE/TIME	RECEIVED BY	
2.		2.	1-23-25
Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp <u>2.4°C</u> MeOH extraction requires an additional 4oz. Jar for percent solid q Ice in Cooler?: _____ Comments: Standard TAT			
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY	
3.	1-23-25	3.	

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
 CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY



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 : Q1173 TETR06

Order Date : 1/23/2025 3:29:00 PM

Project Mgr : Yazmeen

Client Name : Tetra Tech NUS, Inc.

Project Name : CTO WE13

Report Type : Level 4

Client Contact : Ernie Wu

Receive DateTime : 1/23/2025 6:20:00 PM

EDD Type : ADAPT

Invoice Name : Tetra Tech NUS, Inc.

Purchase Order :

Hard Copy Date :

Invoice Contact : Ernie Wu

Date Signoff : 1/24/2025 10:51:03 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1173-01	BP-VPB-192-TB-20250121	Water	01/21/2025	09:00					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1173-02	BP-VPB-192-GW-60-62	Water	01/21/2025	10:55					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1173-03	BP-VPB-192-GW-100-102	Water	01/21/2025	14:00					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1173-04	BP-VPB-192-GW-140-142	Water	01/22/2025	11:20					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1173-05	BP-VPB-192-GW-200-202	Water	01/22/2025	14:45					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1173-06	~~BP~~ -VPB-192-HYD-20250122	Water	01/22/2025	15:30					
					VOCMS Group1		8260-Low	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1173 TETR06

Order Date : 1/23/2025 3:29:00 PM

Project Mgr : Yazmeen

Client Name : Tetra Tech NUS, Inc.

Project Name : CTO WE13

Report Type : Level 4

Client Contact : Ernie Wu

Receive DateTime : 1/23/2025 6:20:00 PM

EDD Type : ADAPT

Invoice Name : Tetra Tech NUS, Inc.

Purchase Order :

Hard Copy Date :

Invoice Contact : Ernie Wu

Date Signoff : 1/24/2025 10:51:03 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinquished By : 

Date / Time : 1-24-25 11:15

Received By : 

Date / Time : 1-24-25 11:15

Storage Area : VOA Refridgerator Room

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044648.D
 Acq On : 15 Jan 2025 10:31
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Jan 30 04:55:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	214233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	389452	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	329917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	135288	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	4722	1.460	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	2.920%#
35) Dibromofluoromethane	5.391	113	3311	1.338	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	2.680%#
50) Toluene-d8	8.647	98	11717	1.358	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	2.720%#
62) 4-Bromofluorobenzene	11.085	95	4174	1.298	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	2.600%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.167	85	2555	0.886	ug/l	97
3) Chloromethane	1.295	50	3539	1.135	ug/l	96
4) Vinyl Chloride	1.374	62	3434	1.115	ug/l #	64
5) Bromomethane	1.593	94	1036	1.409	ug/l	98
6) Chloroethane	1.660	64	708	1.253	ug/l #	83
7) Trichlorofluoromethane	1.862	101	3682	1.082	ug/l	89
8) Diethyl Ether	2.130	74	1689	1.229	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.313	101	2905	1.135	ug/l #	88
10) Methyl Iodide	2.441	142	3613	1.034	ug/l	95
11) Tert butyl alcohol	2.941	59	8498	11.788	ug/l #	91
12) 1,1-Dichloroethene	2.313	96	2735	1.090	ug/l	82
13) Acrolein	2.233	56	2870	8.460	ug/l #	78
14) Allyl chloride	2.654	41	6137	1.257	ug/l	88
15) Acrylonitrile	3.069	53	7502	5.306	ug/l	95
16) Acetone	2.386	43	7914	6.186	ug/l	97
17) Carbon Disulfide	2.496	76	7240	1.058	ug/l	96
18) Methyl Acetate	2.703	43	4460	1.130	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	9974	1.098	ug/l	96
20) Methylene Chloride	2.782	84	3548	1.191	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	3164	1.208	ug/l	94
22) Diisopropyl ether	3.758	45	9038	1.065	ug/l #	76
23) Vinyl Acetate	3.721	43	39593	5.328	ug/l	98
24) 1,1-Dichloroethane	3.599	63	5359	1.064	ug/l	98
25) 2-Butanone	4.574	43	9672	5.085	ug/l	94
26) 2,2-Dichloropropane	4.459	77	5837	1.196	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	4029	1.223	ug/l	87
28) Bromochloromethane	4.891	49	2733	1.162	ug/l #	95
29) Tetrahydrofuran	5.019	42	6842	5.576	ug/l	98
30) Chloroform	5.087	83	5401	1.063	ug/l	85
31) Cyclohexane	5.458	56	4891	1.201	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	5968	1.278	ug/l #	47
36) 1,1-Dichloropropene	5.678	75	4243	1.232	ug/l #	92
37) Ethyl Acetate	4.727	43	3269	0.891	ug/l #	88
38) Carbon Tetrachloride	5.666	117	4558	1.177	ug/l	85
39) Methylcyclohexane	7.367	83	5156	1.128	ug/l	98
40) Benzene	6.025	78	11813	1.107	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044648.D
 Acq On : 15 Jan 2025 10:31
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Jan 30 04:55:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	725	0.339	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	4299	1.104	ug/l	91
43) Isopropyl Acetate	6.355	43	7640	1.132	ug/l	96
44) Trichloroethene	7.123	130	2633	1.026	ug/l	91
45) 1,2-Dichloropropane	7.434	63	2857	1.064	ug/l	99
46) Dibromomethane	7.580	93	2337	1.143	ug/l	94
47) Bromodichloromethane	7.818	83	4937	1.177	ug/l	89
48) Methyl methacrylate	7.702	41	3029	0.967	ug/l	91
49) 1,4-Dioxane	7.696	88	1485	22.727	ug/l #	87
51) 4-Methyl-2-Pentanone	8.580	43	21388	5.736	ug/l	100
52) Toluene	8.714	92	7332	1.122	ug/l	93
53) t-1,3-Dichloropropene	8.982	75	4499	1.038	ug/l	99
54) cis-1,3-Dichloropropene	8.373	75	5328	1.134	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	3124	1.182	ug/l	91
56) Ethyl methacrylate	9.122	69	4994	1.099	ug/l	89
57) 1,3-Dichloropropane	9.311	76	5078	1.128	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.245	63	14681	6.581	ug/l	98
59) 2-Hexanone	9.439	43	15480	5.643	ug/l	98
60) Dibromochloromethane	9.519	129	3495	1.127	ug/l	100
61) 1,2-Dibromoethane	9.610	107	3200	1.155	ug/l	96
64) Tetrachloroethene	9.269	164	2280	1.101	ug/l	87
65) Chlorobenzene	10.073	112	7770	1.109	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	2769	1.087	ug/l #	62
67) Ethyl Benzene	10.195	91	13366	1.093	ug/l	93
68) m/p-Xylenes	10.299	106	10180	2.244	ug/l	100
69) o-Xylene	10.640	106	5193	1.132	ug/l	97
70) Styrene	10.659	104	7732	1.044	ug/l	93
71) Bromoform	10.799	173	2194	1.058	ug/l #	93
73) Isopropylbenzene	10.964	105	12214	1.105	ug/l	97
74) N-amyl acetate	10.848	43	6028	1.107	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	4377	1.147	ug/l	91
76) 1,2,3-Trichloropropane	11.244	75	4898	1.492	ug/l	92
77) Bromobenzene	11.201	156	2937	1.137	ug/l	93
78) n-propylbenzene	11.305	91	13264	1.088	ug/l	98
79) 2-Chlorotoluene	11.366	91	9159	1.163	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	10031	1.115	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.025	75	1621	1.129	ug/l #	82
82) 4-Chlorotoluene	11.457	91	9494	1.101	ug/l	93
83) tert-Butylbenzene	11.713	119	10869	1.155	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	10735	1.174	ug/l	94
85) sec-Butylbenzene	11.890	105	12217	1.115	ug/l	99
86) p-Isopropyltoluene	12.012	119	9910	1.101	ug/l	90
87) 1,3-Dichlorobenzene	11.969	146	4688	1.046	ug/l	97
88) 1,4-Dichlorobenzene	11.969	146	4688	1.035	ug/l	97
89) n-Butylbenzene	12.335	91	8095	1.047	ug/l	94
90) Hexachloroethane	12.536	117	2589	1.270	ug/l	92
91) 1,2-Dichlorobenzene	12.341	146	5192	1.128	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1100	1.178	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	2587	0.941	ug/l	92
94) Hexachlorobutadiene	13.725	225	1133	1.049	ug/l	91
95) Naphthalene	13.780	128	10956	1.033	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	2863	1.004	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044648.D
Acq On : 15 Jan 2025 10:31
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

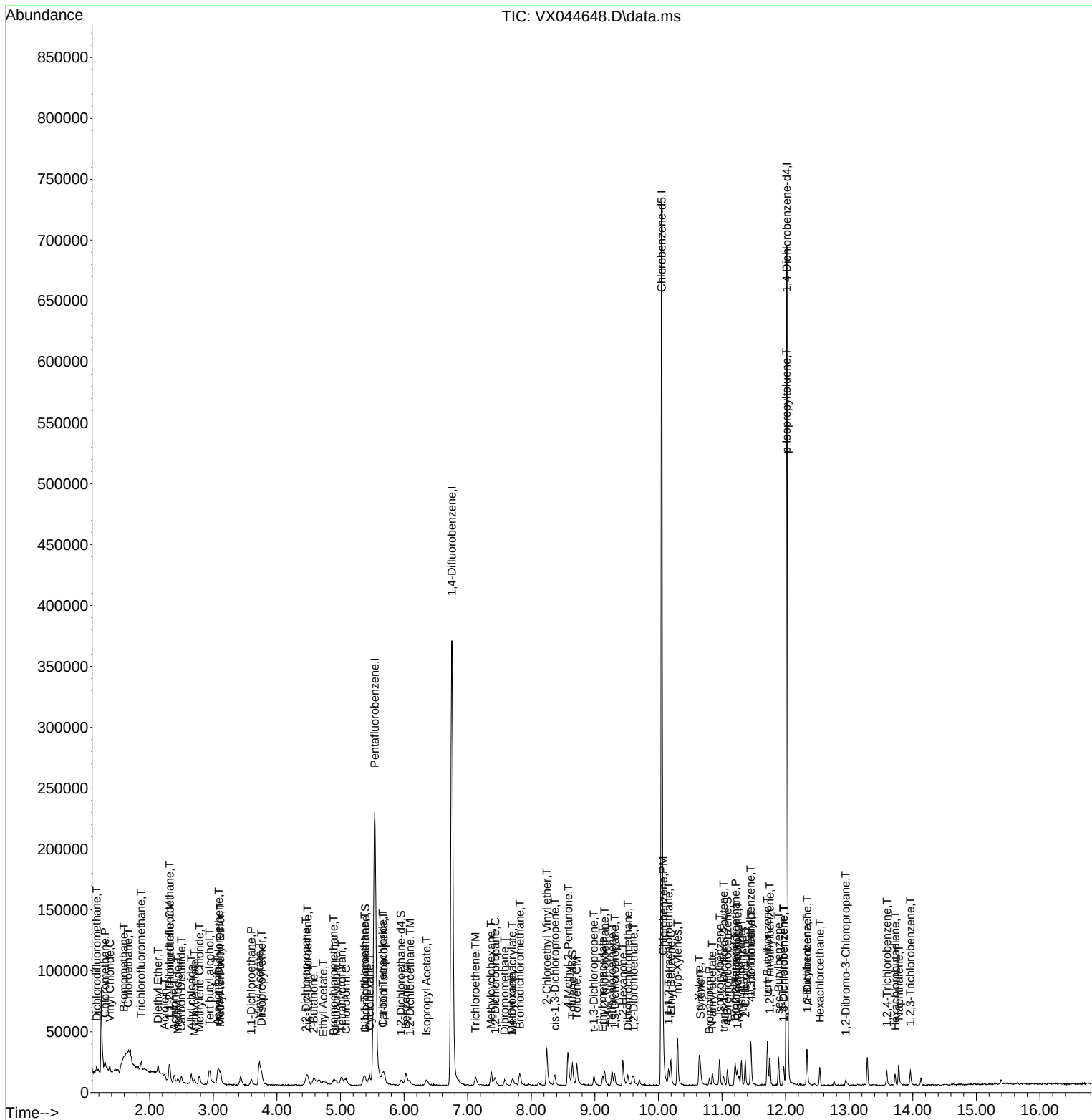
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

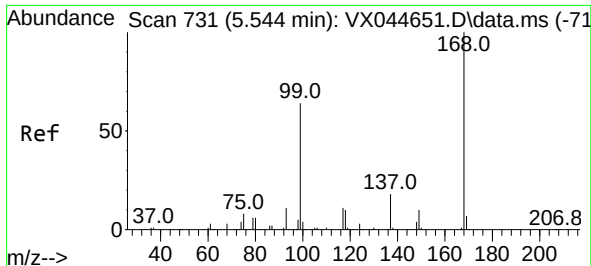
Quant Time: Jan 30 04:55:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

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

Quant Time: Jan 30 04:55:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

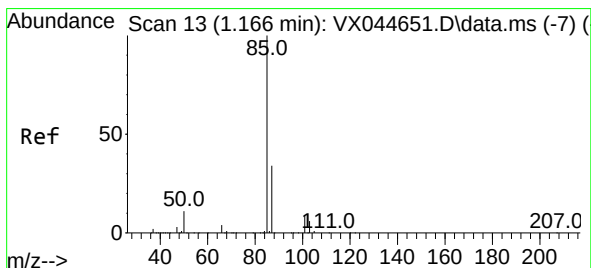
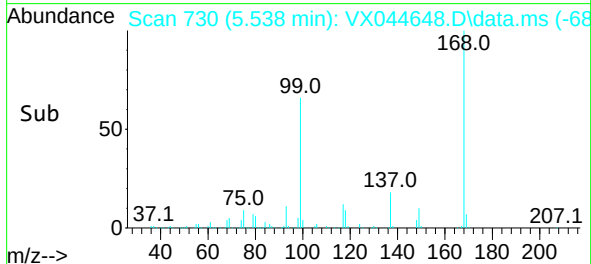
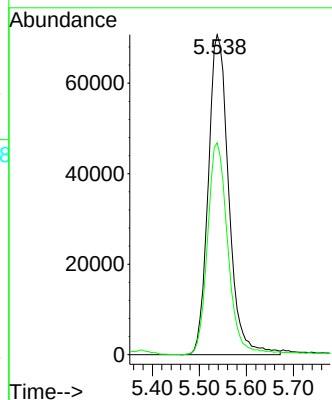
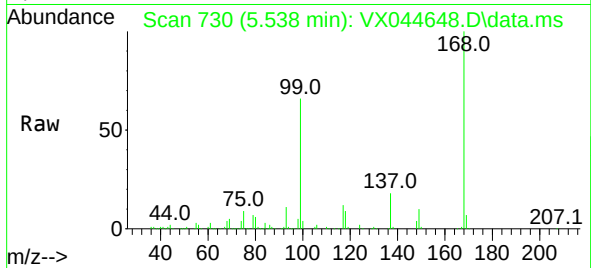




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

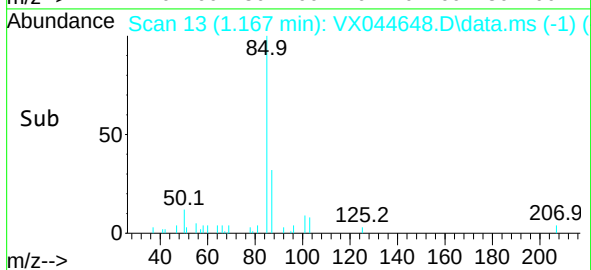
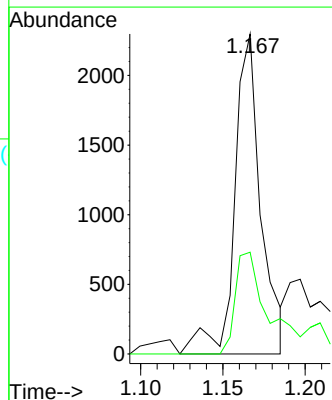
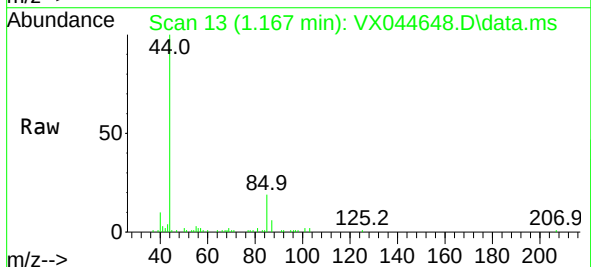
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

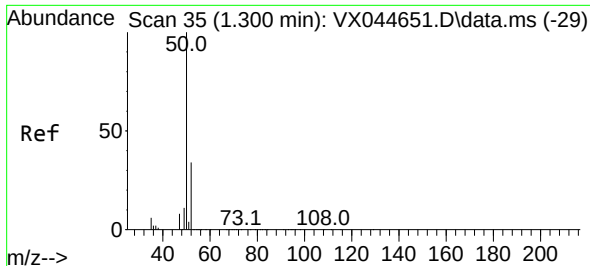
Tgt Ion:168 Resp: 214233
Ion Ratio Lower Upper
168 100
99 66.1 51.1 76.7



#2
Dichlorodifluoromethane
Concen: 0.886 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 85 Resp: 2555
Ion Ratio Lower Upper
85 100
87 31.8 16.8 50.4

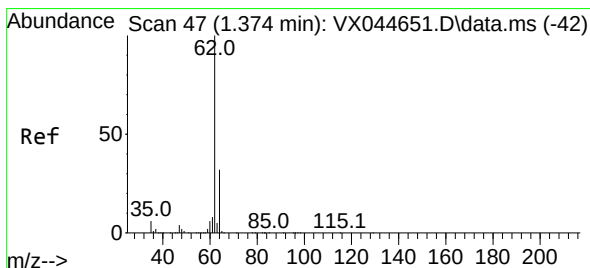
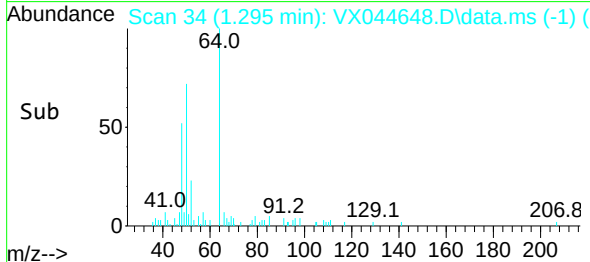
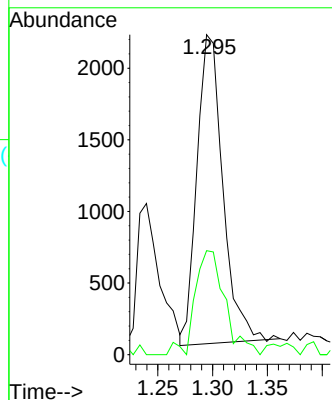
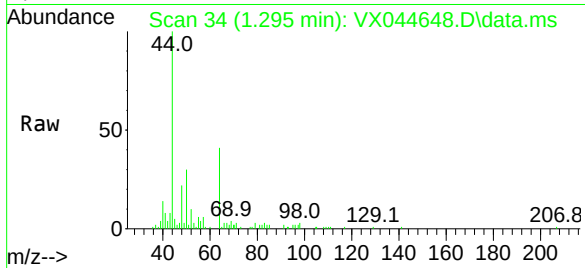




#3
Chloromethane
Concen: 1.135 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

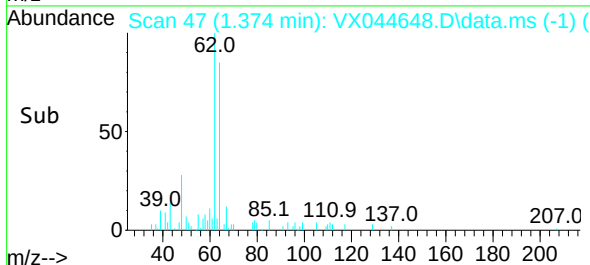
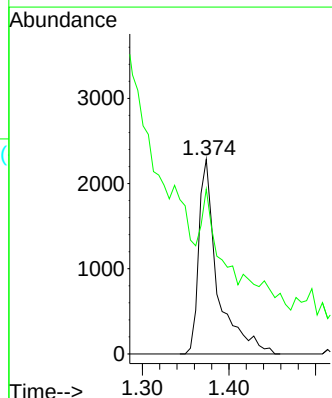
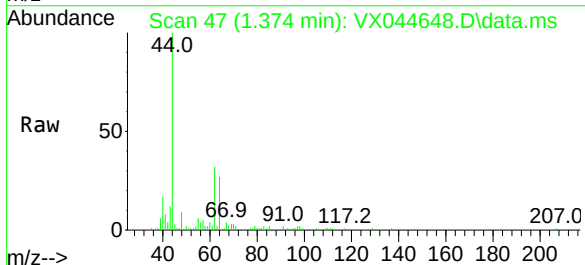
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

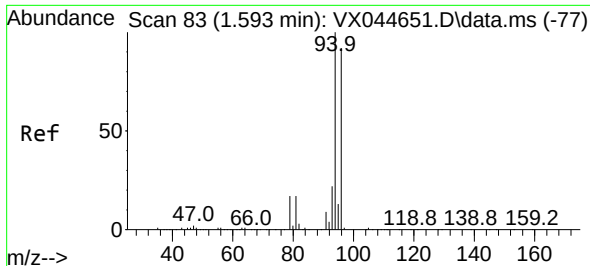
Tgt Ion: 50 Resp: 3539
Ion Ratio Lower Upper
50 100
52 31.5 27.0 40.4



#4
Vinyl Chloride
Concen: 1.115 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 62 Resp: 3434
Ion Ratio Lower Upper
62 100
64 53.6 26.6 39.8#

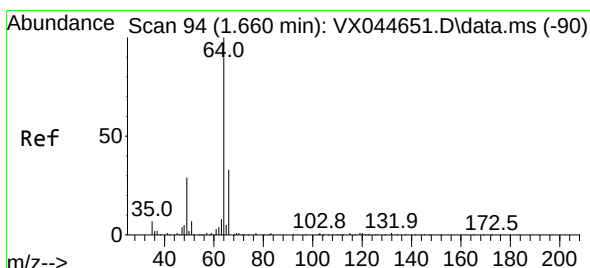
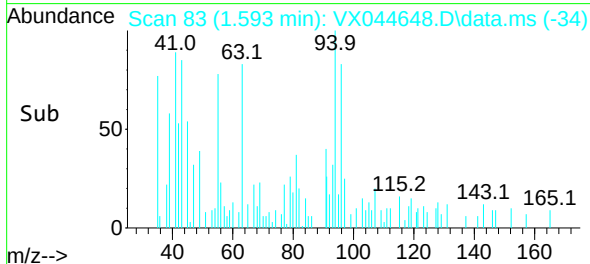
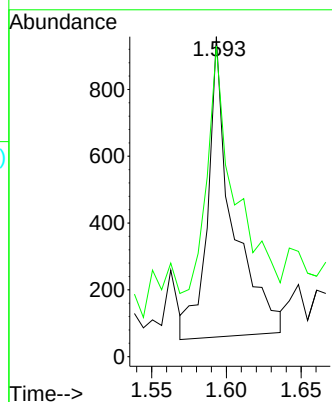
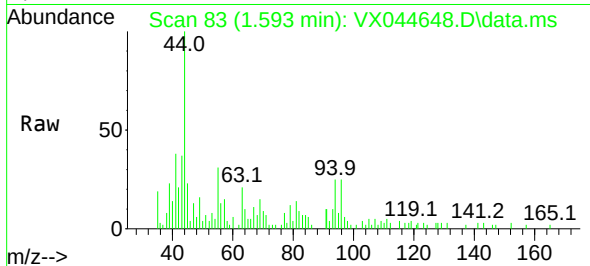




#5
Bromomethane
Concen: 1.409 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

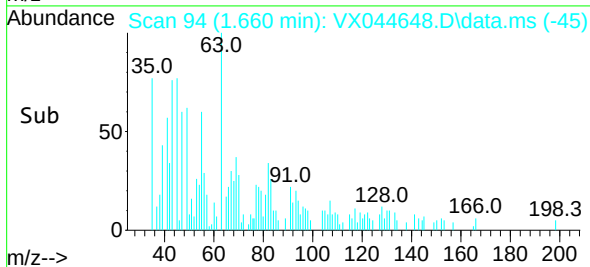
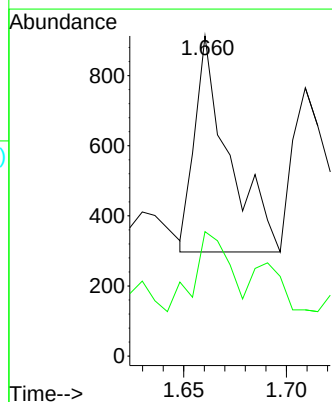
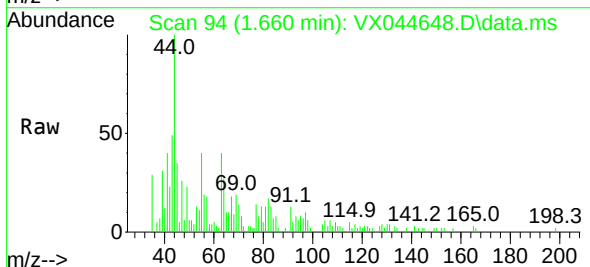
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

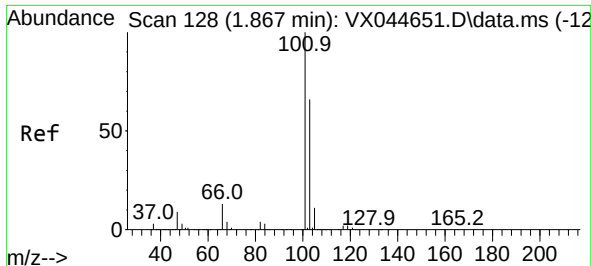
Tgt Ion: 94 Resp: 1036
Ion Ratio Lower Upper
94 100
96 88.7 72.8 109.2



#6
Chloroethane
Concen: 1.253 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 64 Resp: 708
Ion Ratio Lower Upper
64 100
66 23.4 26.6 39.8#

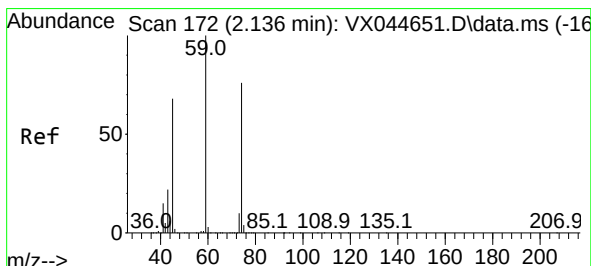
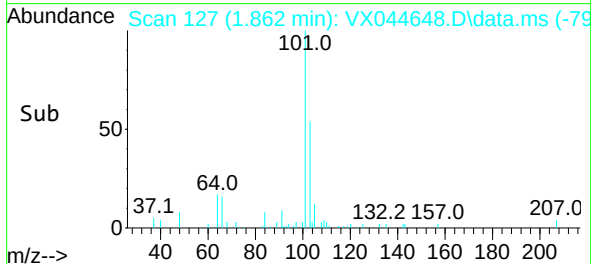
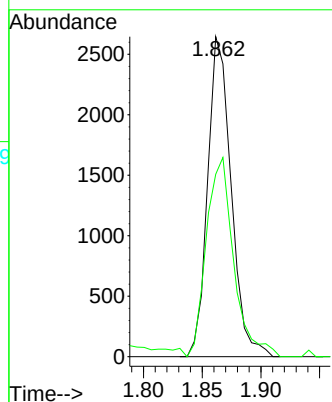
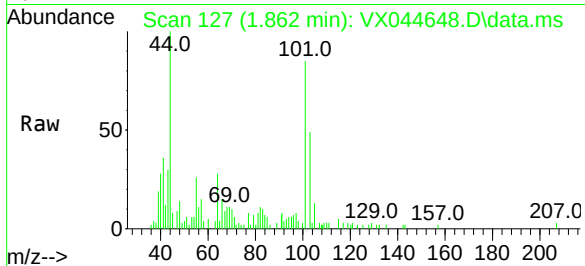




#7
 Trichlorofluoromethane
 Concen: 1.082 ug/l
 RT: 1.862 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX044648.D
 Acq: 15 Jan 2025 10:31

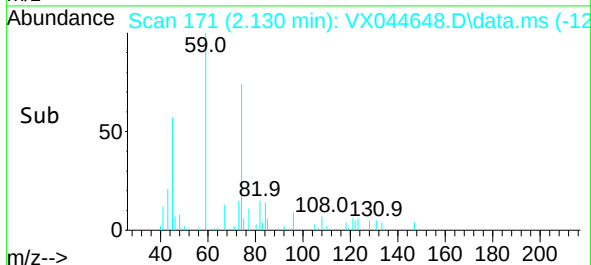
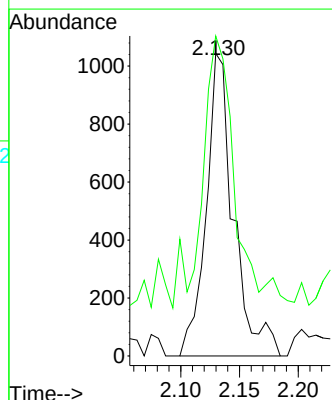
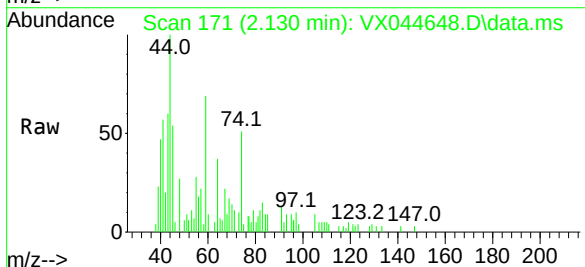
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

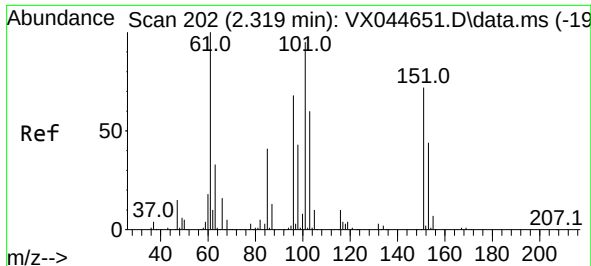
Tgt Ion:101 Resp: 3682
 Ion Ratio Lower Upper
 101 100
 103 57.0 52.5 78.7



#8
 Diethyl Ether
 Concen: 1.229 ug/l
 RT: 2.130 min Scan# 171
 Delta R.T. -0.006 min
 Lab File: VX044648.D
 Acq: 15 Jan 2025 10:31

Tgt Ion: 74 Resp: 1689
 Ion Ratio Lower Upper
 74 100
 45 106.7 47.1 141.3

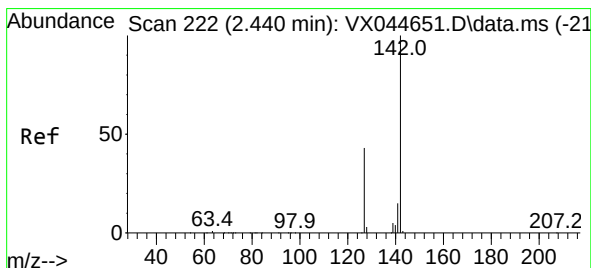
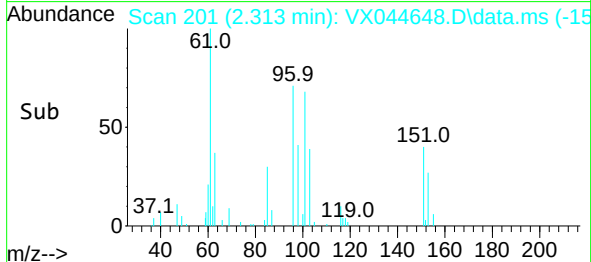
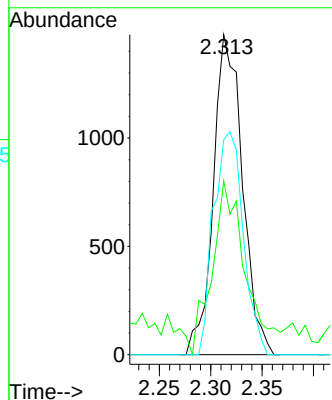
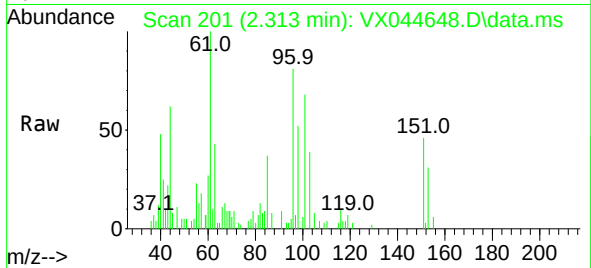




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.135 ug/l
RT: 2.313 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

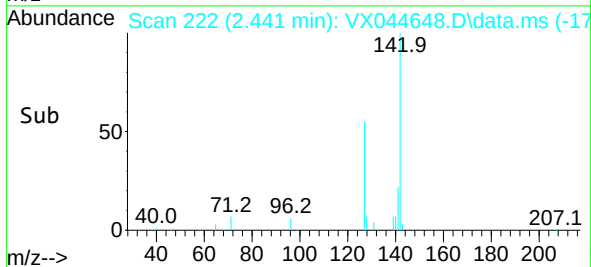
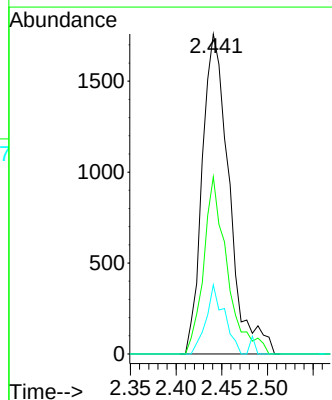
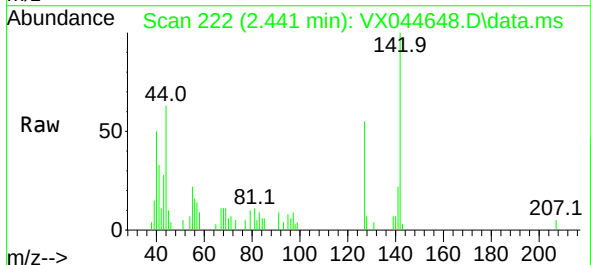
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

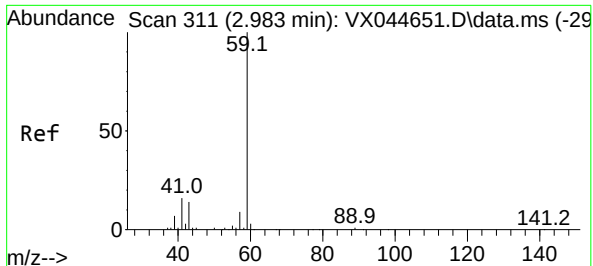
Tgt Ion:101 Resp: 2905
Ion Ratio Lower Upper
101 100
85 62.7 35.3 52.9#
151 71.2 58.2 87.4



#10
Methyl Iodide
Concen: 1.034 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:142 Resp: 3613
Ion Ratio Lower Upper
142 100
127 48.4 35.0 52.4
141 14.7 11.7 17.5

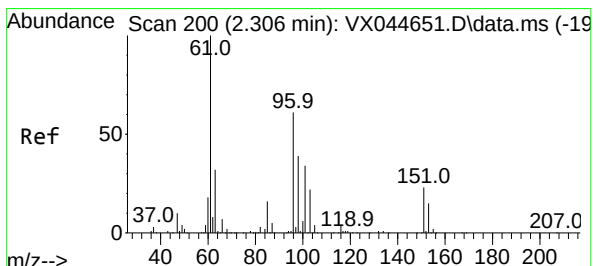
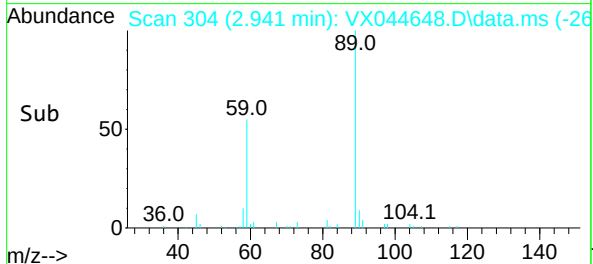
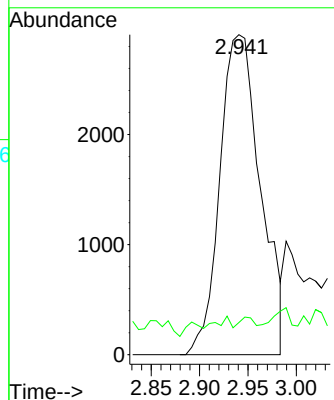
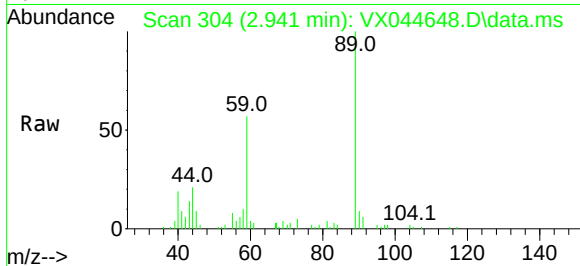




#11
Tert butyl alcohol
Concen: 11.788 ug/l
RT: 2.941 min Scan# 30
Delta R.T. -0.042 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

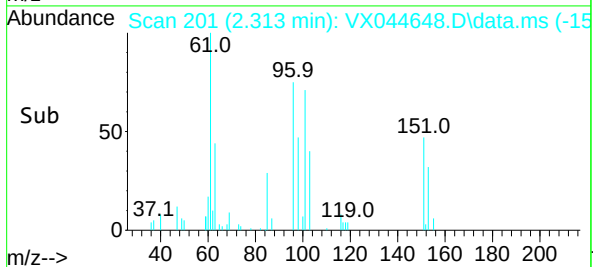
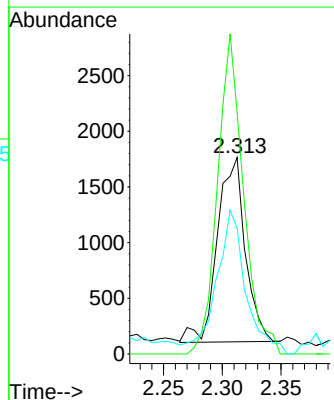
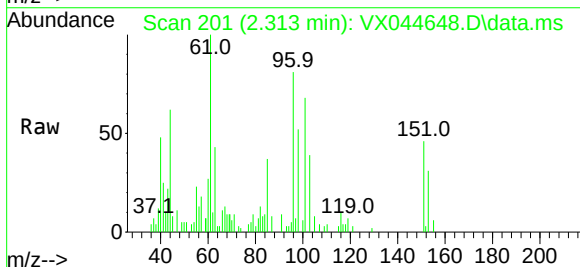
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

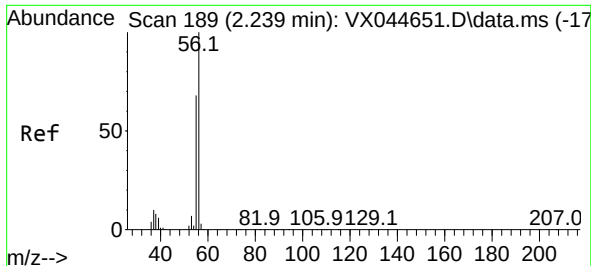
Tgt Ion: 59 Resp: 8498
Ion Ratio Lower Upper
59 100
57 1.9 3.9 5.9#



#12
1,1-Dichloroethene
Concen: 1.090 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 96 Resp: 2735
Ion Ratio Lower Upper
96 100
61 131.3 131.1 196.7
98 63.5 51.2 76.8

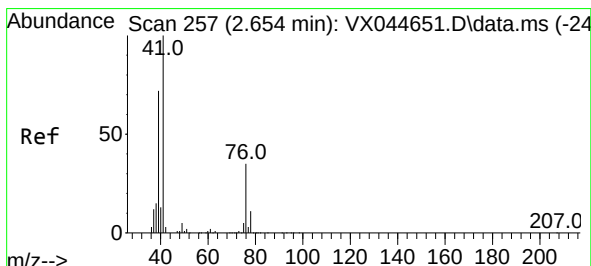
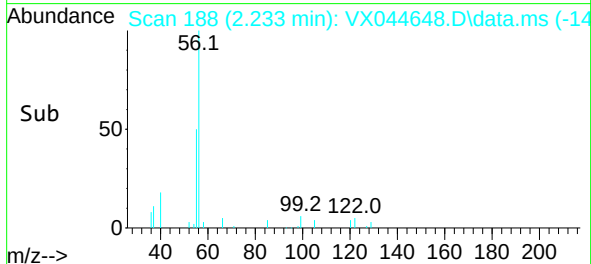
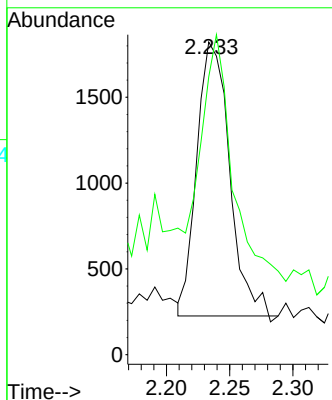
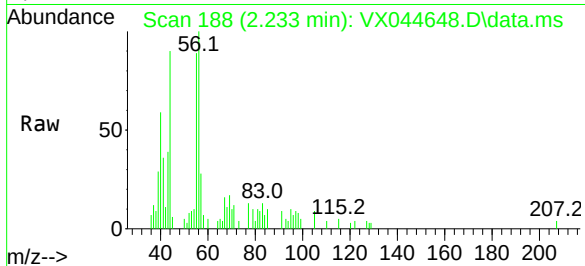




#13
Acrolein
Concen: 8.460 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

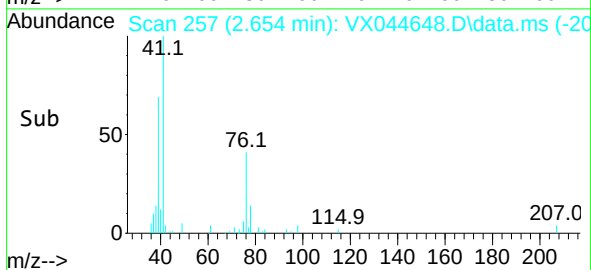
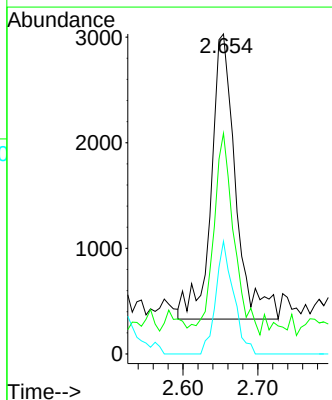
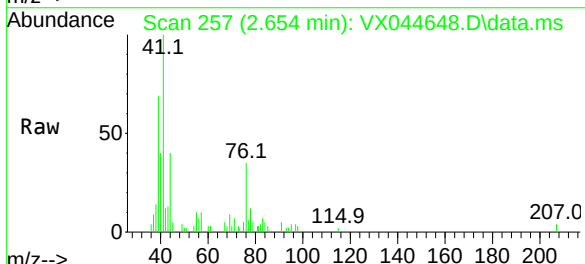
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

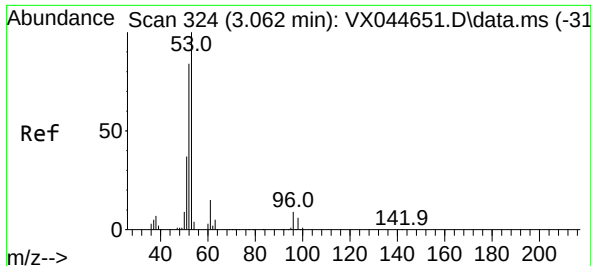
Tgt Ion: 56 Resp: 2870
Ion Ratio Lower Upper
56 100
55 87.1 55.1 82.7#



#14
Allyl chloride
Concen: 1.257 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 41 Resp: 6137
Ion Ratio Lower Upper
41 100
39 58.2 54.9 82.3
76 28.7 28.4 42.6

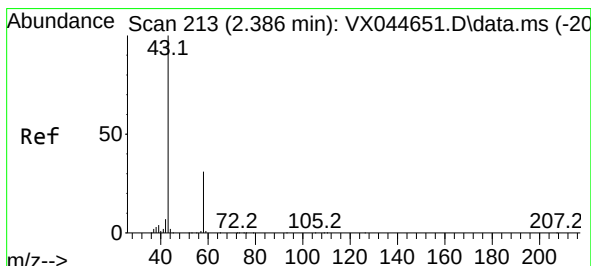
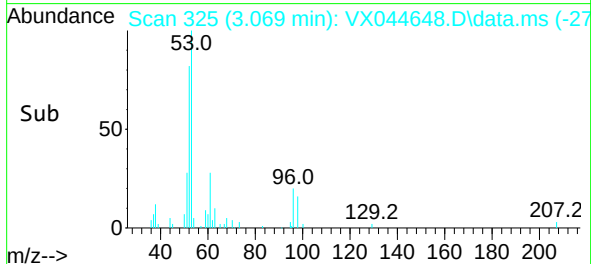
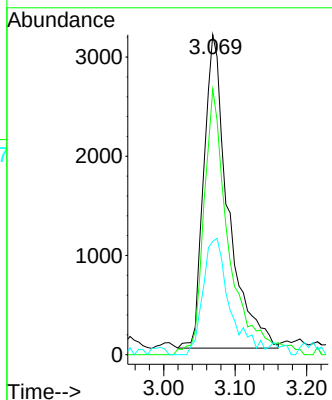
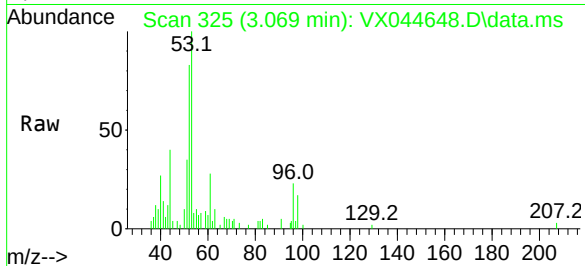




#15
Acrylonitrile
Concen: 5.306 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

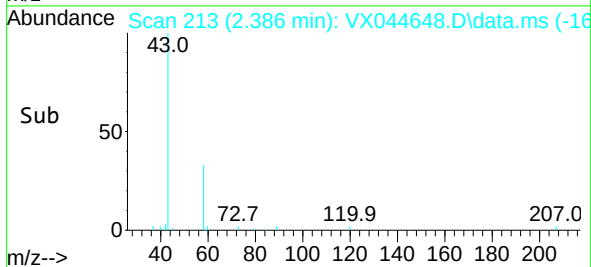
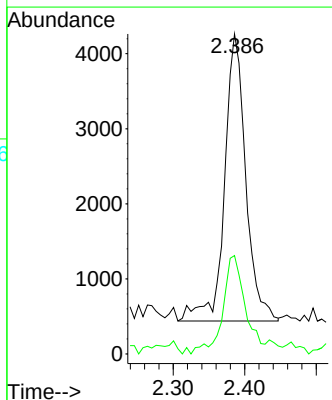
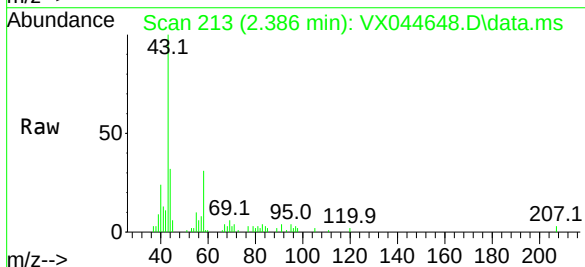
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

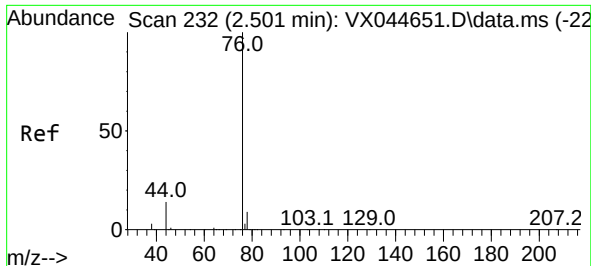
Tgt Ion: 53 Resp: 7502
Ion Ratio Lower Upper
53 100
52 86.7 66.0 99.0
51 40.4 28.9 43.3



#16
Acetone
Concen: 6.186 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 43 Resp: 7914
Ion Ratio Lower Upper
43 100
58 32.5 24.6 37.0

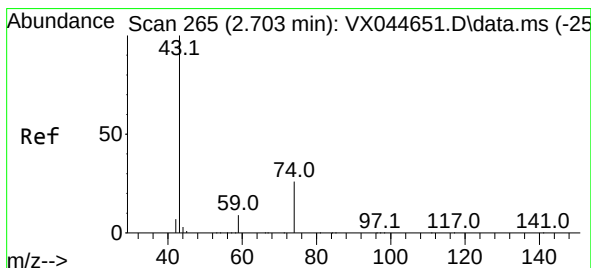
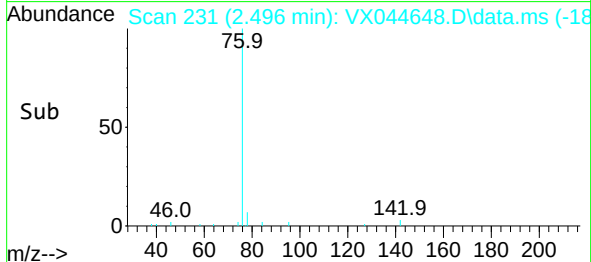
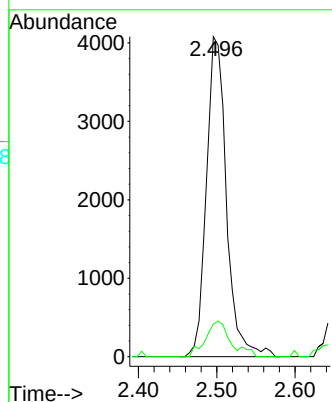
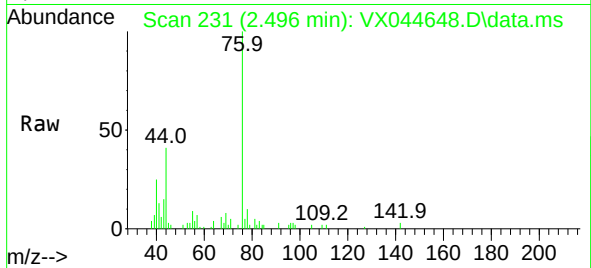




#17
Carbon Disulfide
Concen: 1.058 ug/l
RT: 2.496 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

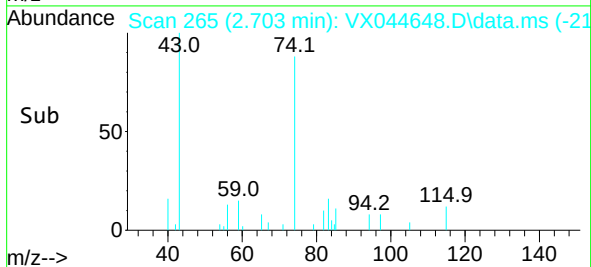
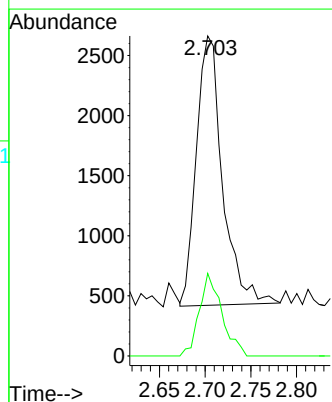
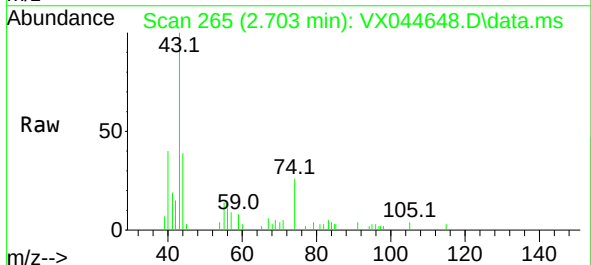
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

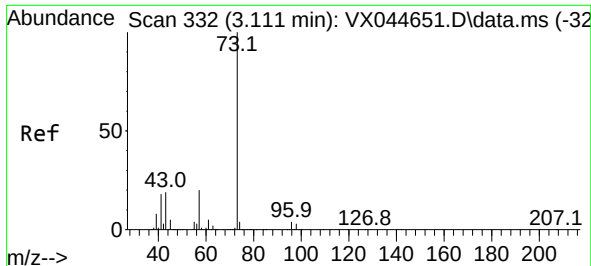
Tgt Ion: 76 Resp: 7240
Ion Ratio Lower Upper
76 100
78 10.2 7.1 10.7



#18
Methyl Acetate
Concen: 1.130 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 43 Resp: 4460
Ion Ratio Lower Upper
43 100
74 26.5 19.8 29.8

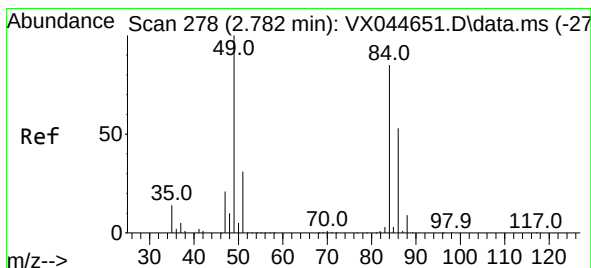
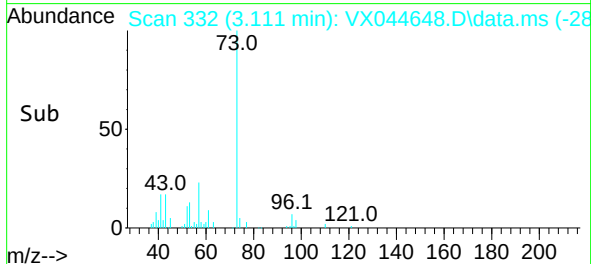
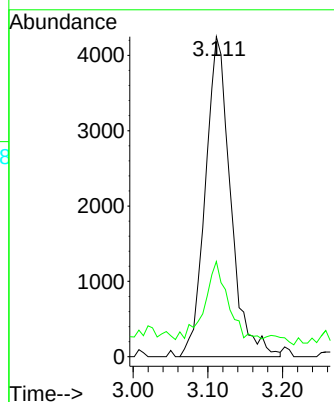
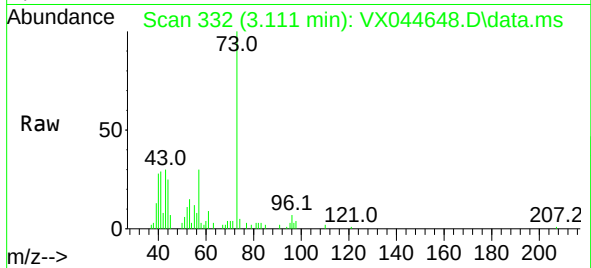




#19
Methyl tert-butyl Ether
Concen: 1.098 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

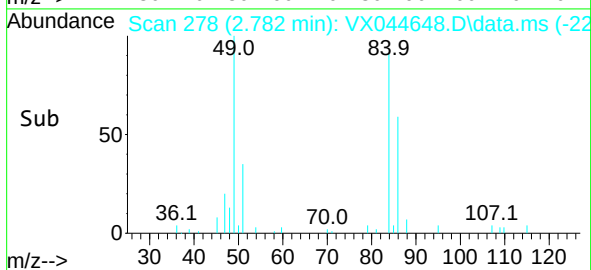
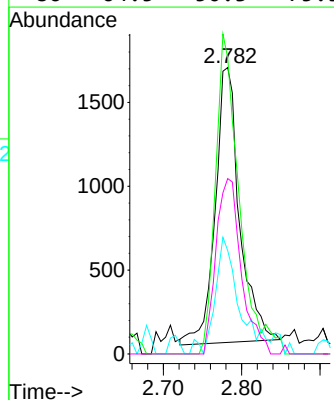
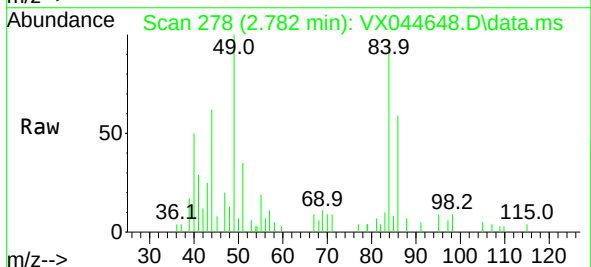
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

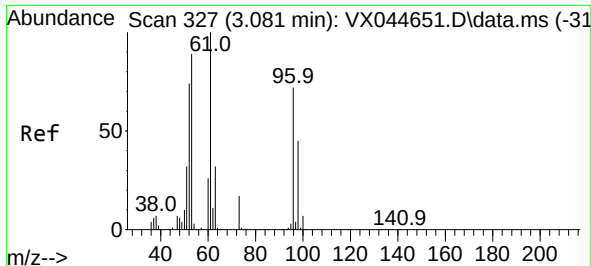
Tgt Ion: 73 Resp: 9974
Ion Ratio Lower Upper
73 100
57 23.7 17.4 26.0



#20
Methylene Chloride
Concen: 1.191 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 84 Resp: 3548
Ion Ratio Lower Upper
84 100
49 108.9 94.2 141.4
51 34.2 28.8 43.2
86 64.5 50.3 75.5

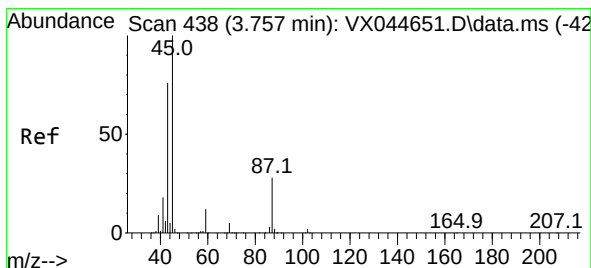
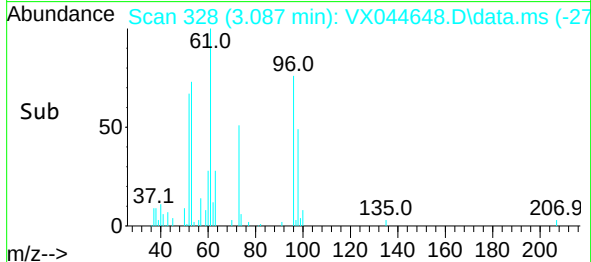
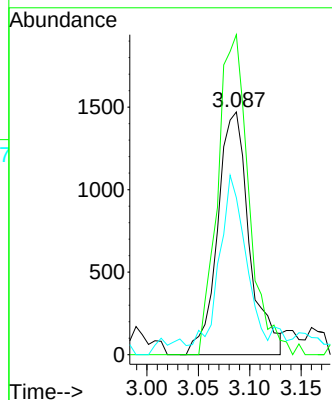
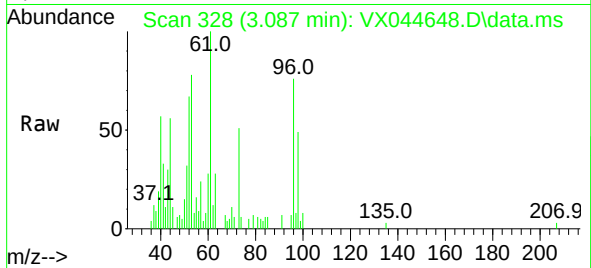




#21
trans-1,2-Dichloroethene
Concen: 1.208 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

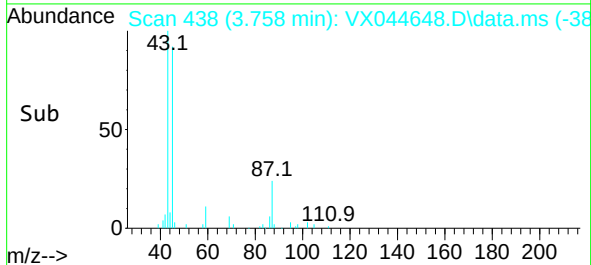
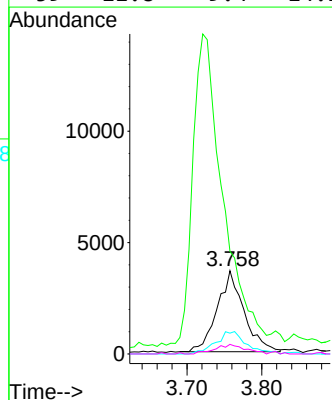
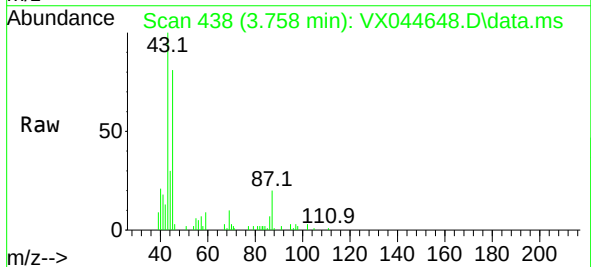
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

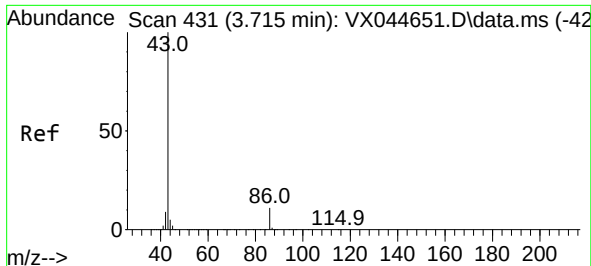
Tgt Ion: 96 Resp: 3164
Ion Ratio Lower Upper
96 100
61 131.8 111.0 166.6
98 58.2 50.2 75.2



#22
Diisopropyl ether
Concen: 1.065 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 45 Resp: 9038
Ion Ratio Lower Upper
45 100
43 106.2 61.0 91.6#
87 25.7 22.7 34.1
59 11.8 9.4 14.2

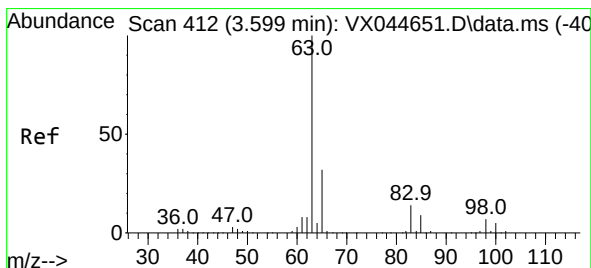
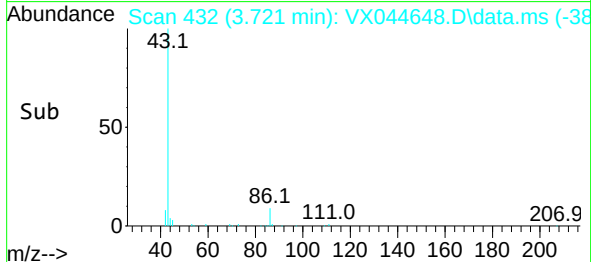
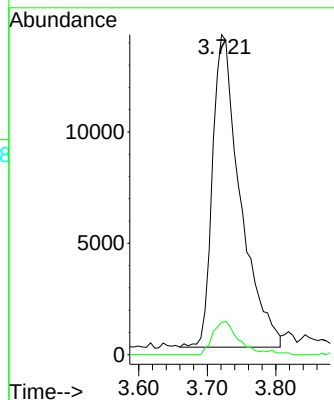
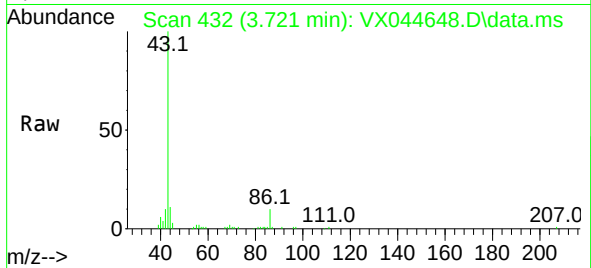




#23
 Vinyl Acetate
 Concen: 5.328 ug/l
 RT: 3.721 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX044648.D
 Acq: 15 Jan 2025 10:31

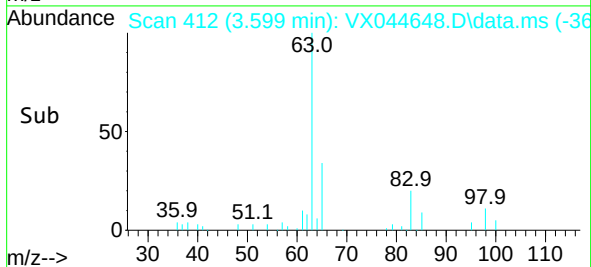
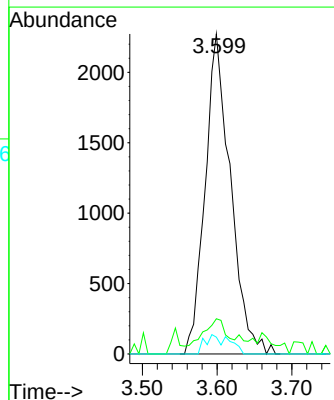
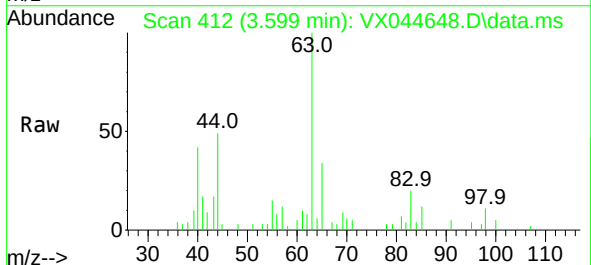
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

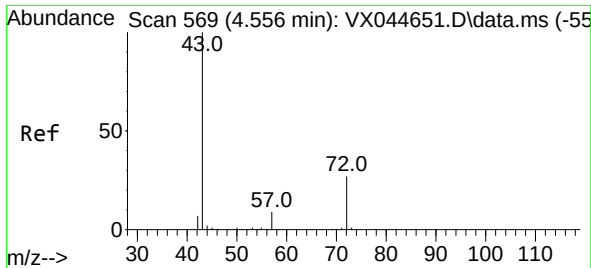
Tgt Ion: 43 Resp: 39593
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 1.064 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. 0.000 min
 Lab File: VX044648.D
 Acq: 15 Jan 2025 10:31

Tgt Ion: 63 Resp: 5359
 Ion Ratio Lower Upper
 63 100
 98 8.4 3.6 10.9
 100 5.2 2.5 7.5

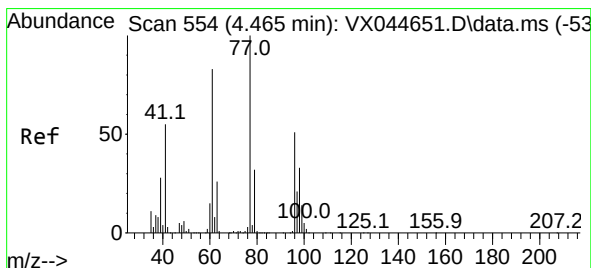
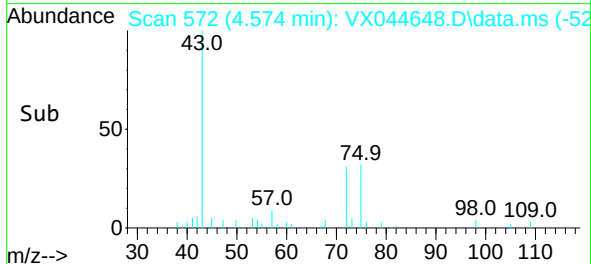
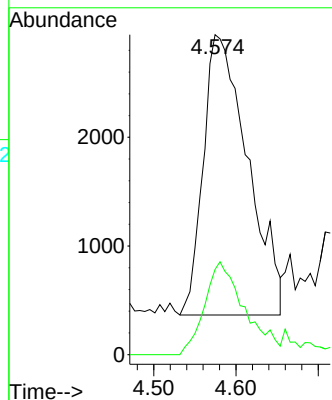
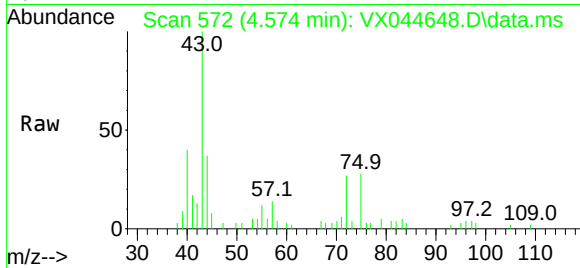




#25
2-Butanone
Concen: 5.085 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

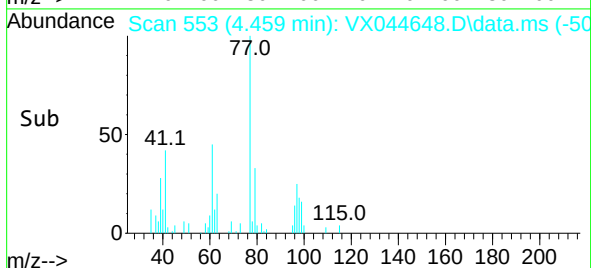
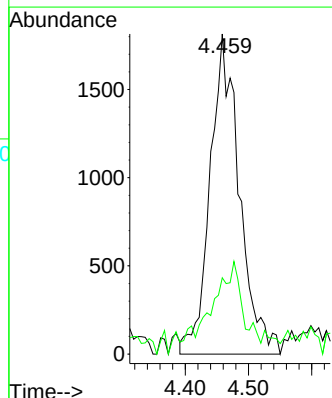
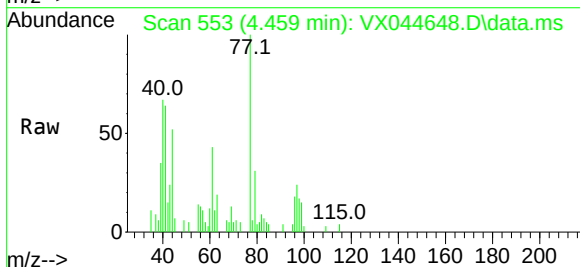
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

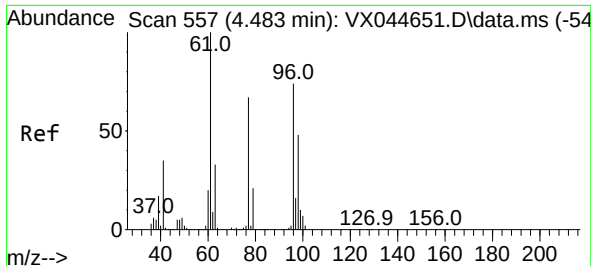
Tgt Ion: 43 Resp: 9672
Ion Ratio Lower Upper
43 100
72 30.4 21.7 32.5



#26
2,2-Dichloropropane
Concen: 1.196 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 77 Resp: 5837
Ion Ratio Lower Upper
77 100
97 24.2 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 1.223 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

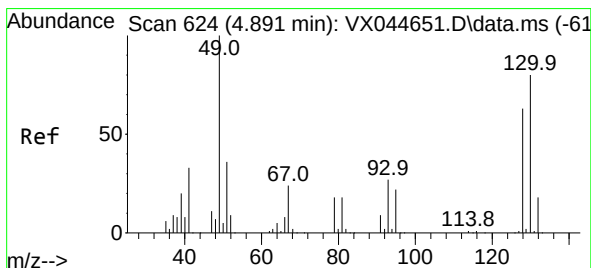
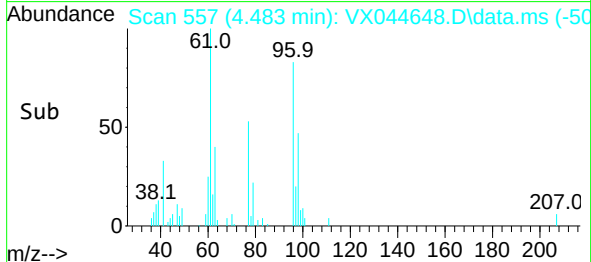
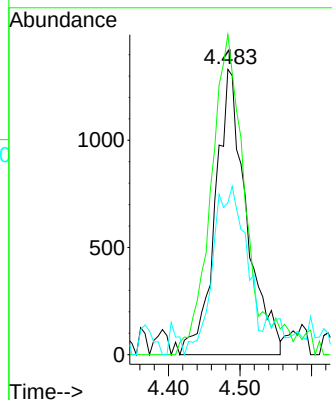
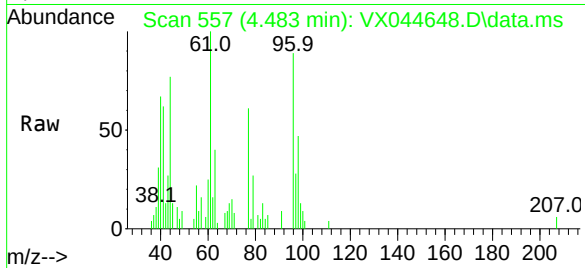
MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 4029

Ion	Ratio	Lower	Upper
96	100		
61	124.2	0.0	296.0
98	64.2	0.0	130.0



#28

Bromochloromethane

Concen: 1.162 ug/l

RT: 4.891 min Scan# 624

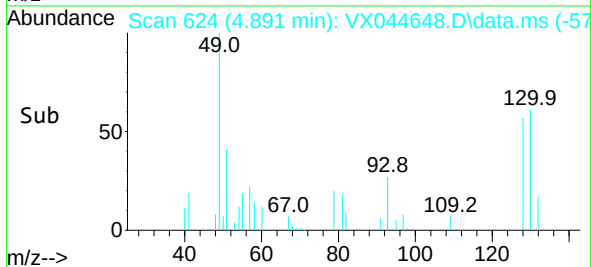
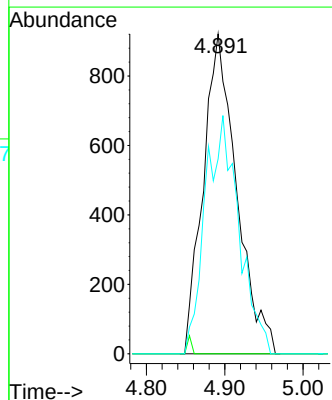
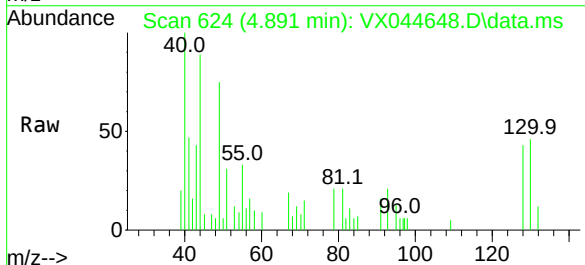
Delta R.T. 0.000 min

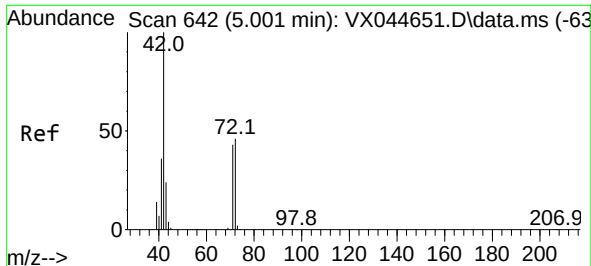
Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Tgt Ion: 49 Resp: 2733

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	74.9	63.4	95.2





#29

Tetrahydrofuran

Concen: 5.576 ug/l

RT: 5.019 min Scan# 642

Delta R.T. 0.018 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

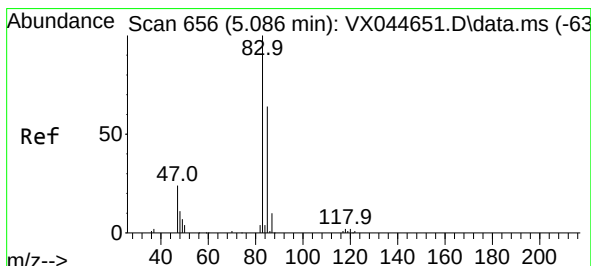
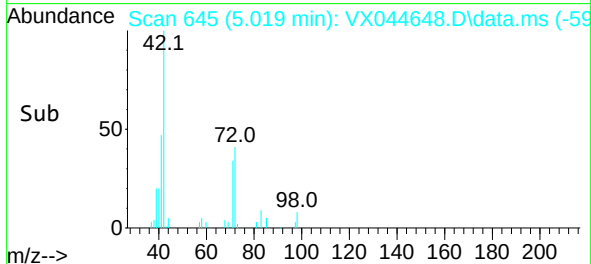
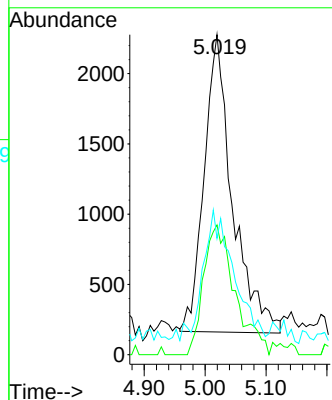
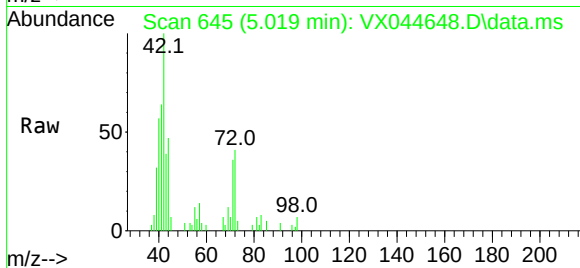
Tgt Ion: 42 Resp: 6842

Ion Ratio Lower Upper

42 100

72 48.2 38.2 57.4

71 46.5 35.3 52.9



#30

Chloroform

Concen: 1.063 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044648.D

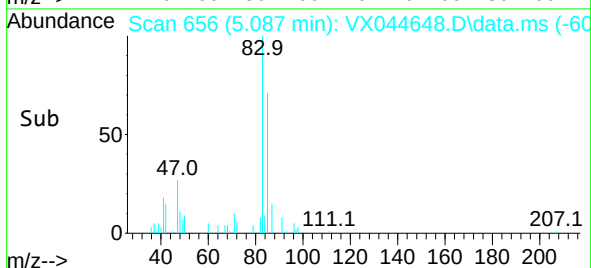
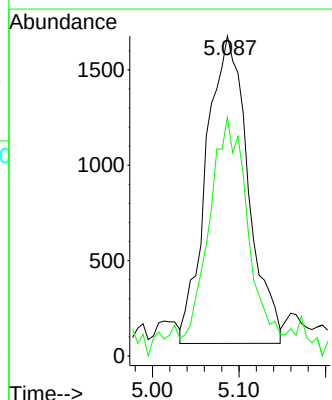
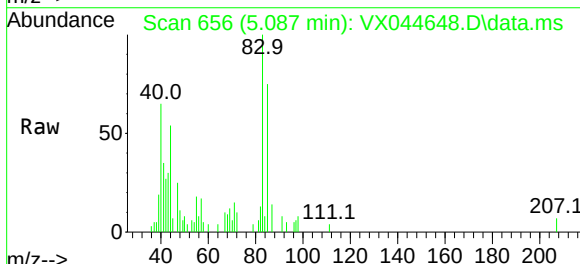
Acq: 15 Jan 2025 10:31

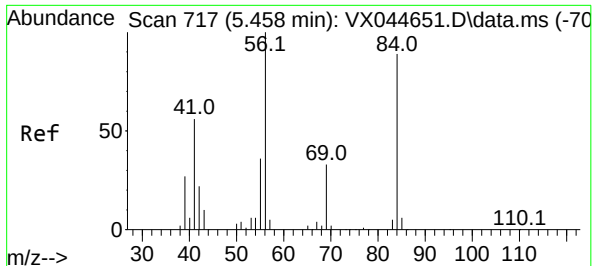
Tgt Ion: 83 Resp: 5401

Ion Ratio Lower Upper

83 100

85 75.4 51.2 76.8

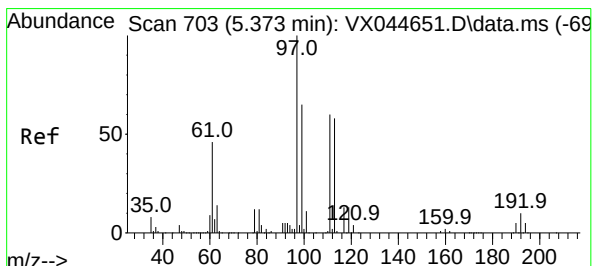
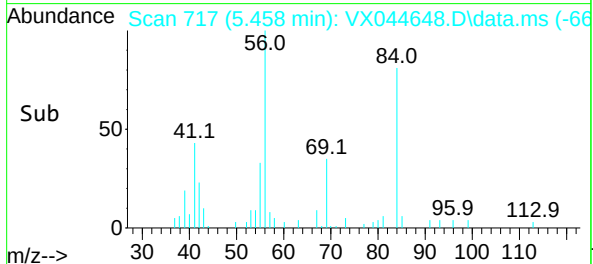
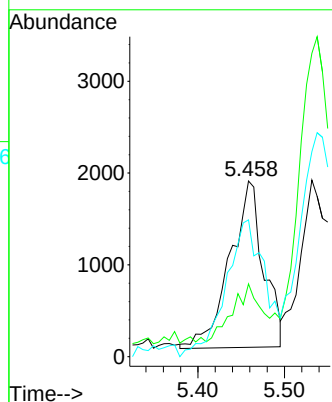
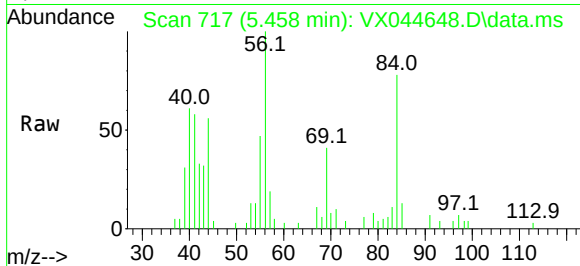




#31
Cyclohexane
Concen: 1.201 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

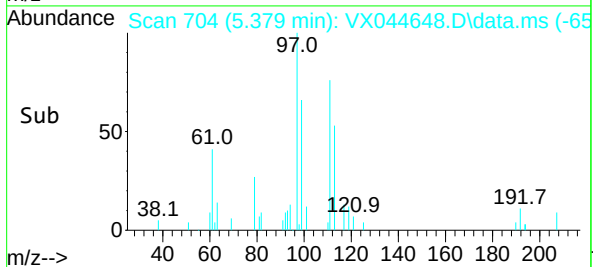
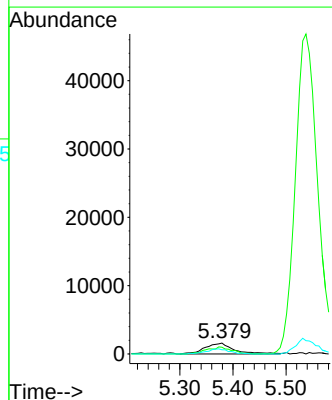
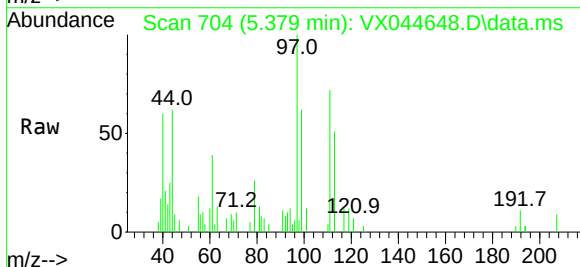
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

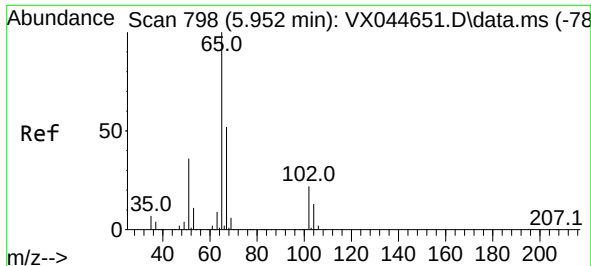
Tgt Ion:	56	Resp:	4891
Ion	Ratio	Lower	Upper
56	100		
69	36.3	26.8	40.2
84	83.8	71.0	106.4



#32
1,1,1-Trichloroethane
Concen: 1.278 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:	97	Resp:	5968
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	37.6	35.6	53.4

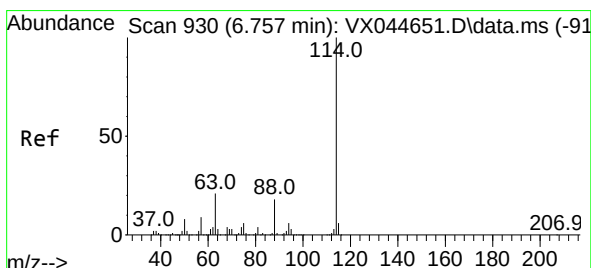
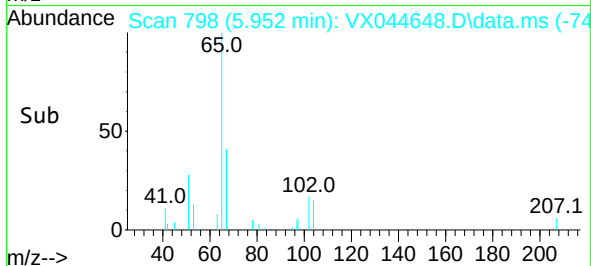
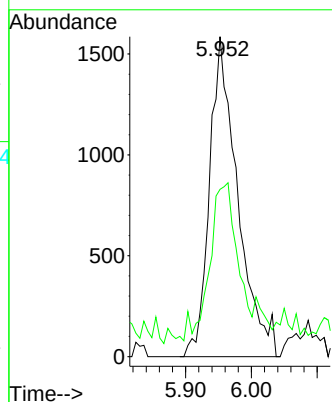
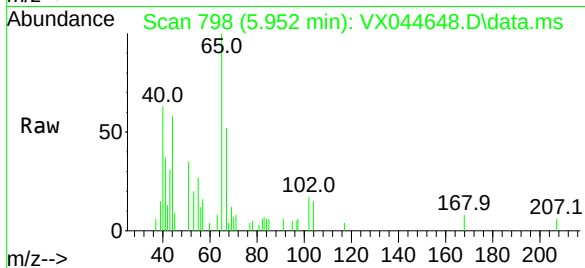




#33
 1,2-Dichloroethane-d4
 Concen: 1.460 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX044648.D
 Acq: 15 Jan 2025 10:31

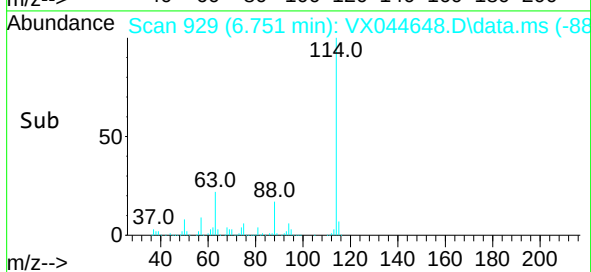
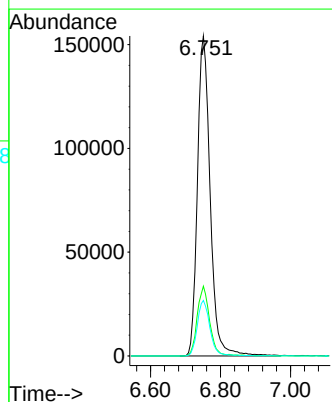
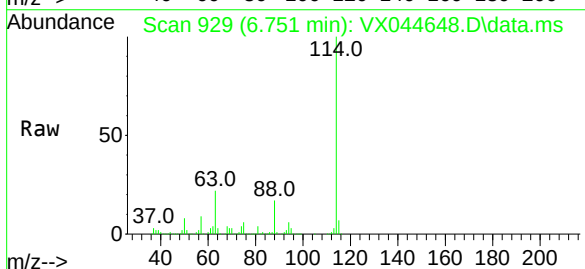
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

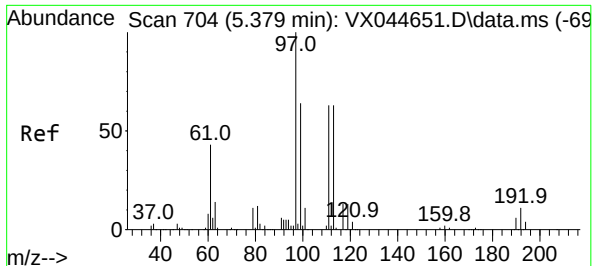
Tgt Ion: 65 Resp: 4722
 Ion Ratio Lower Upper
 65 100
 67 43.1 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. -0.006 min
 Lab File: VX044648.D
 Acq: 15 Jan 2025 10:31

Tgt Ion: 114 Resp: 389452
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.0
 88 17.4 0.0 35.4

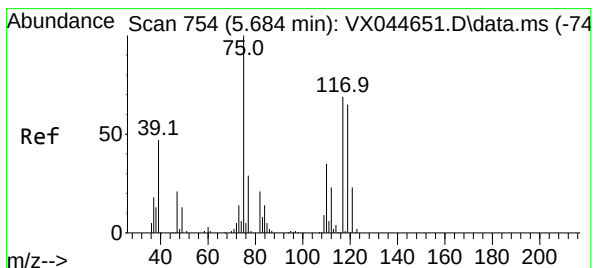
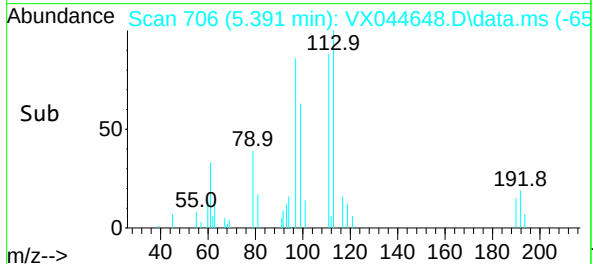
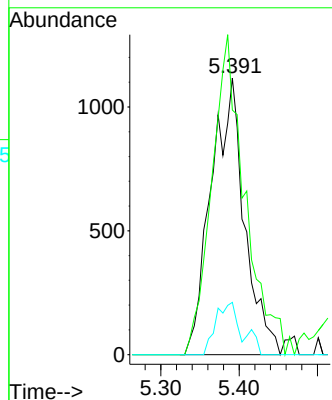
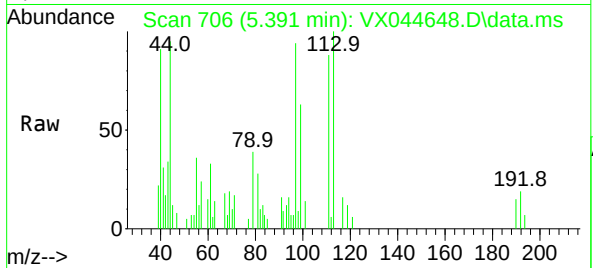




#35
Dibromofluoromethane
Concen: 1.338 ug/l
RT: 5.391 min Scan# 704
Delta R.T. 0.012 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

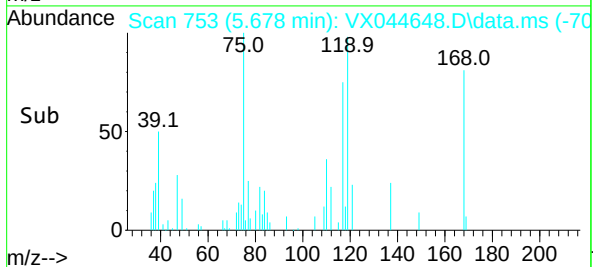
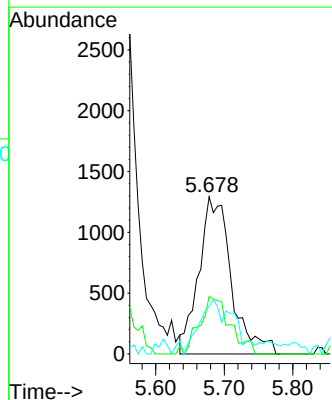
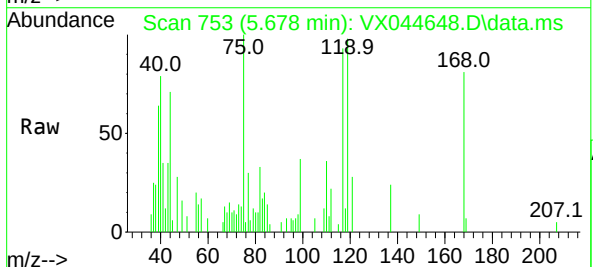
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

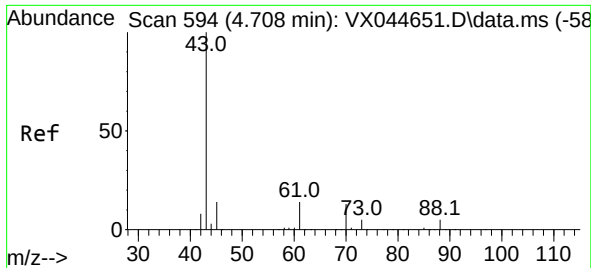
Tgt Ion:113 Resp: 3311
Ion Ratio Lower Upper
113 100
111 115.5 81.6 122.4
192 12.1 14.4 21.6#



#36
1,1-Dichloropropene
Concen: 1.232 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 75 Resp: 4243
Ion Ratio Lower Upper
75 100
110 34.5 17.9 53.8
77 22.1 24.5 36.7#

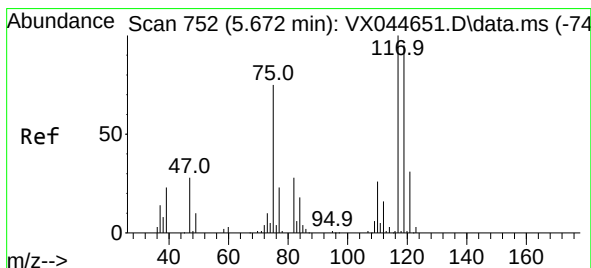
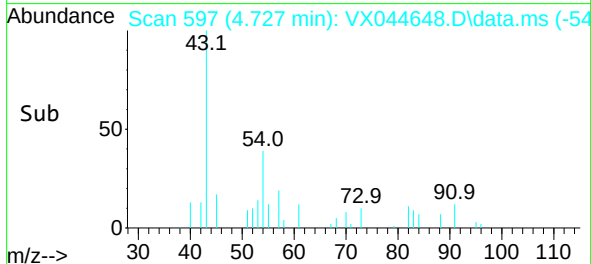
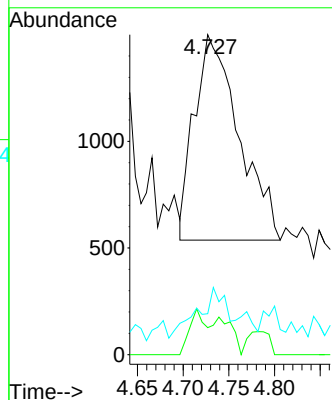
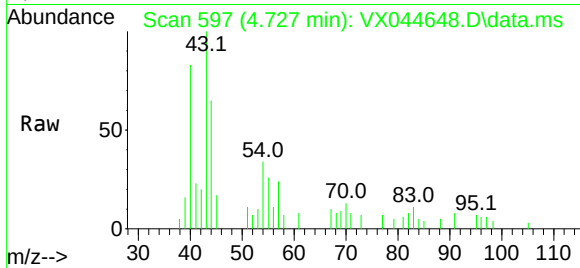




#37
Ethyl Acetate
Concen: 0.891 ug/l
RT: 4.727 min Scan# 594
Delta R.T. 0.019 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

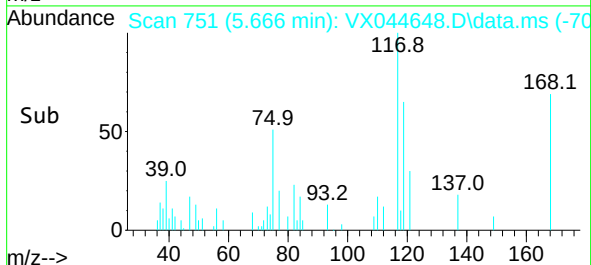
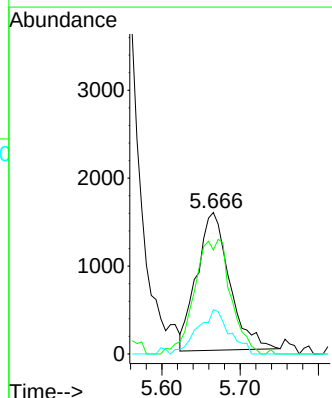
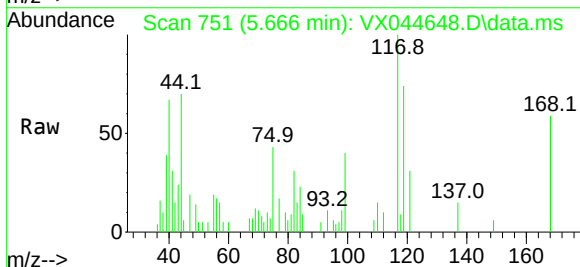
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

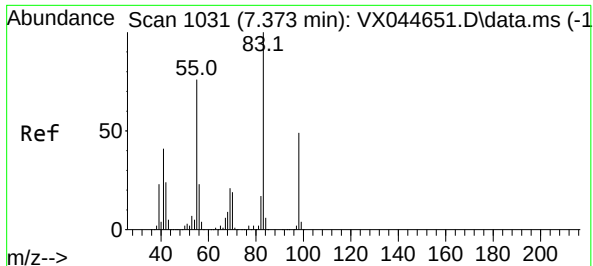
Tgt Ion: 43 Resp: 3269
Ion Ratio Lower Upper
43 100
61 7.9 10.9 16.3#
70 16.0 10.1 15.1#



#38
Carbon Tetrachloride
Concen: 1.177 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 117 Resp: 4558
Ion Ratio Lower Upper
117 100
119 76.4 76.0 114.0
121 32.5 24.6 36.8

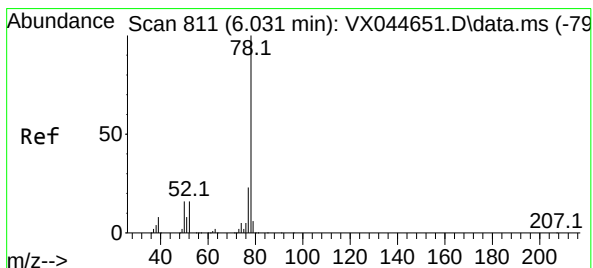
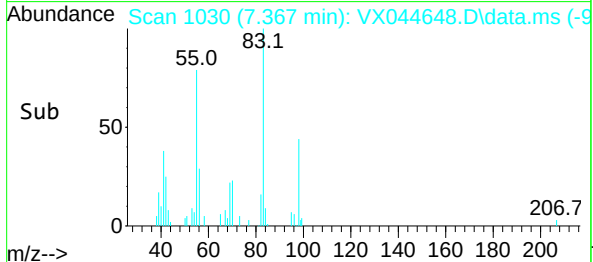
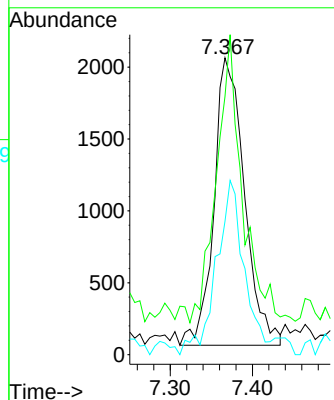
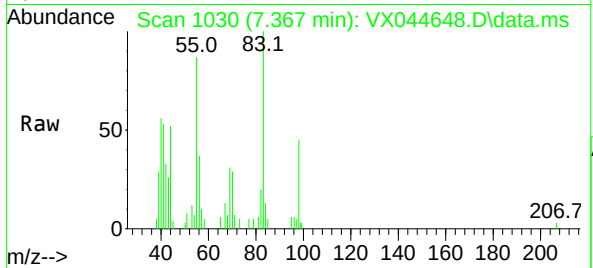




#39
Methylcyclohexane
Concen: 1.128 ug/l
RT: 7.367 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

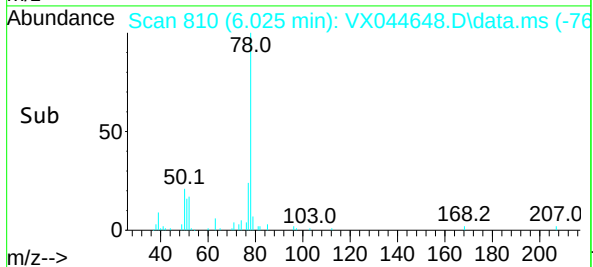
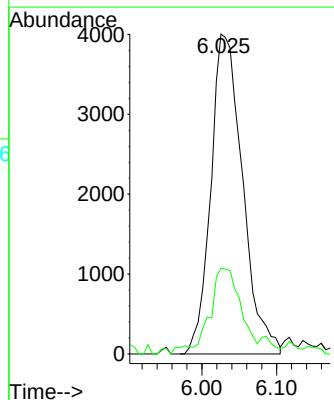
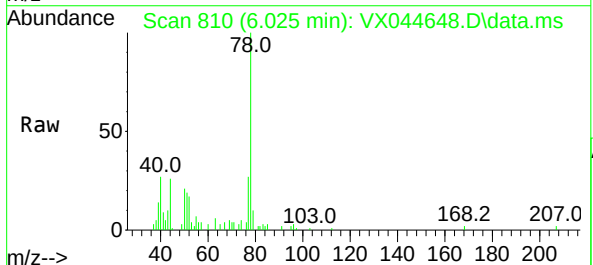
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

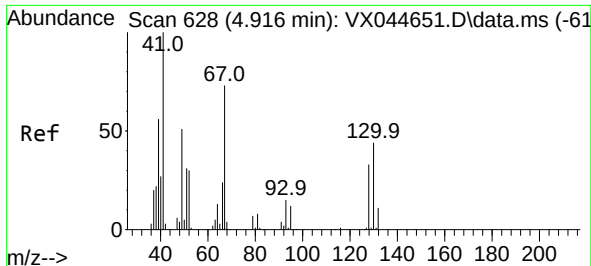
Tgt Ion: 83 Resp: 5156
Ion Ratio Lower Upper
83 100
55 76.8 60.5 90.7
98 46.4 39.0 58.4



#40
Benzene
Concen: 1.107 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

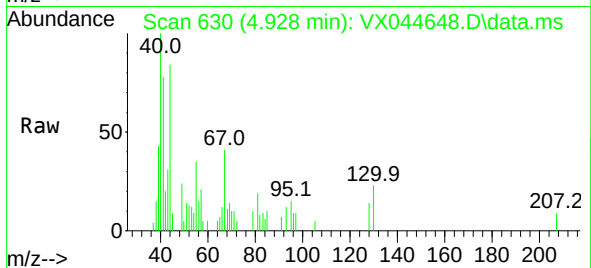
Tgt Ion: 78 Resp: 11813
Ion Ratio Lower Upper
78 100
77 25.1 18.7 28.1



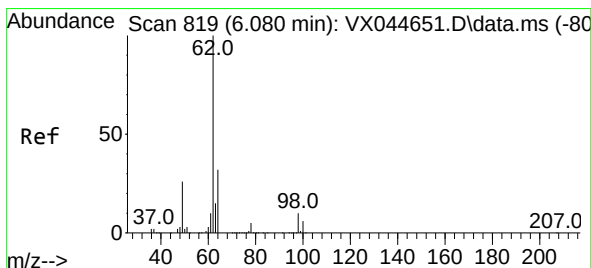
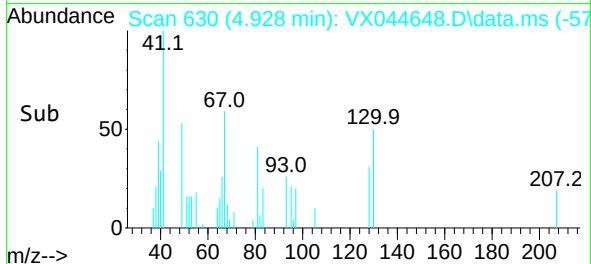
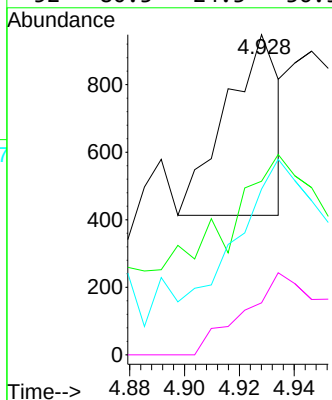


#41
Methacrylonitrile
Concen: 0.339 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

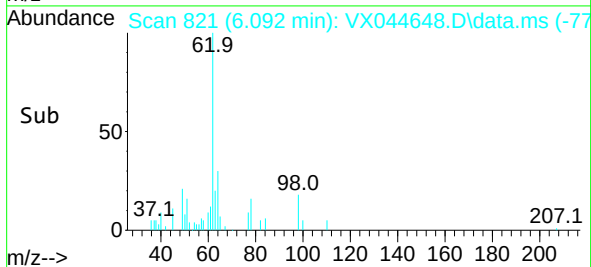
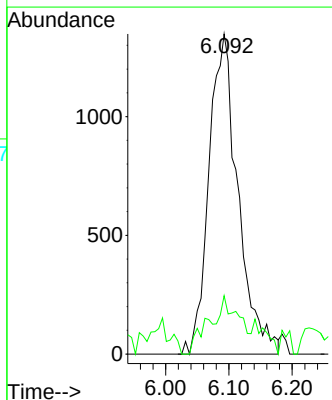
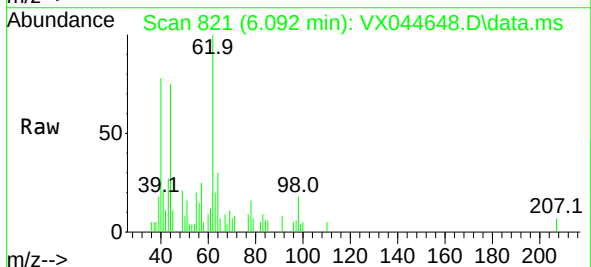


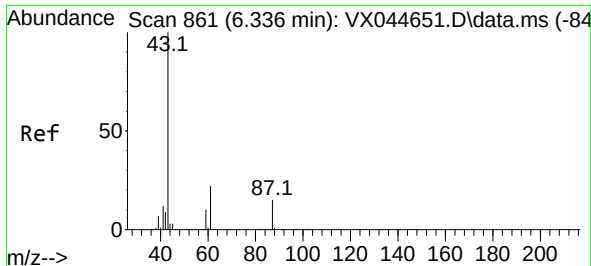
Tgt Ion:	41	Resp:	725
Ion	Ratio	Lower	Upper
41	100		
39	94.5	44.4	66.6#
67	200.1	60.6	90.8#
52	80.3	24.3	36.5#



#42
1,2-Dichloroethane
Concen: 1.104 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

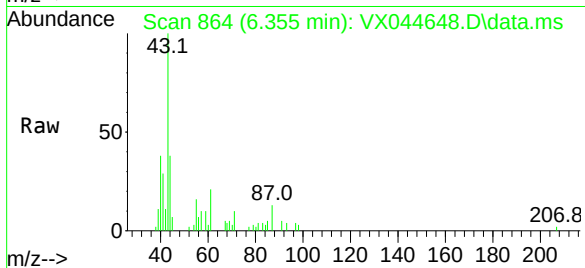
Tgt Ion:	62	Resp:	4299
Ion	Ratio	Lower	Upper
62	100		
98	13.1	0.0	19.4



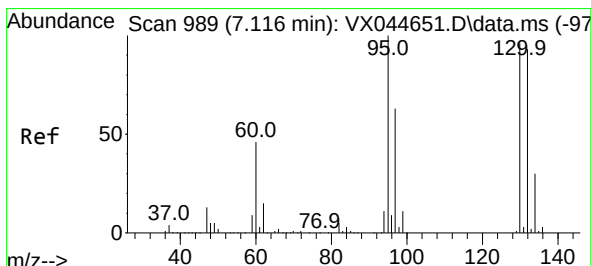
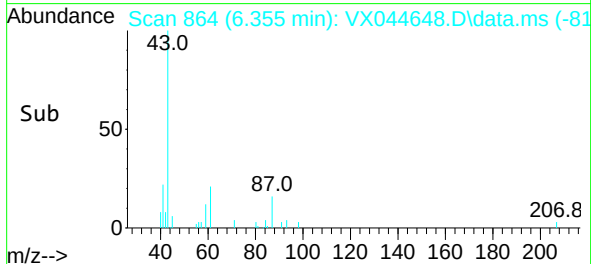
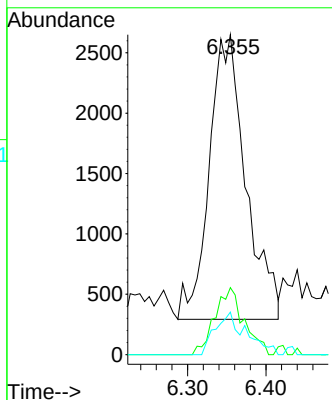


#43
Isopropyl Acetate
Concen: 1.132 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

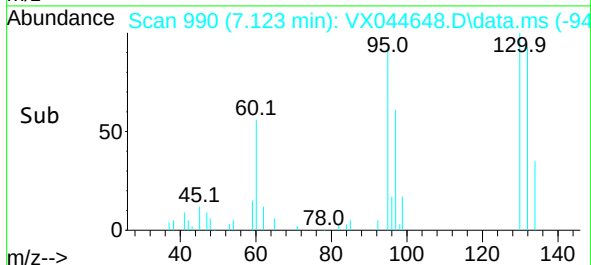
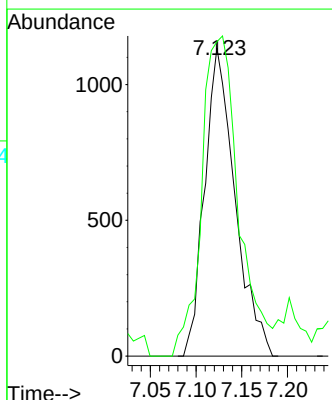
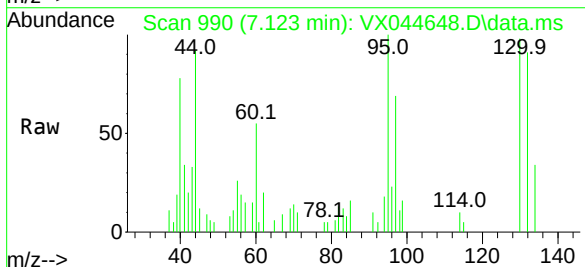


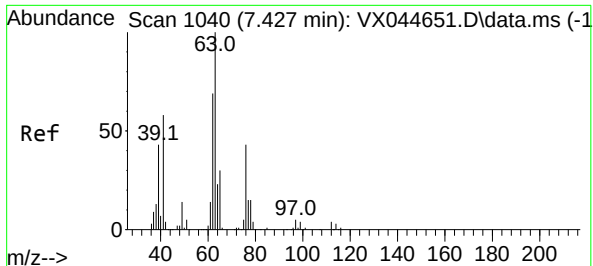
Tgt Ion: 43 Resp: 7640
Ion Ratio Lower Upper
43 100
61 18.9 16.6 24.8
87 12.6 11.0 16.6



#44
Trichloroethene
Concen: 1.026 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:130 Resp: 2633
Ion Ratio Lower Upper
130 100
95 95.2 0.0 208.2





#45

1,2-Dichloropropane

Concen: 1.064 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

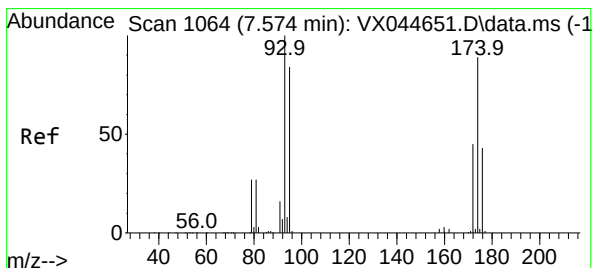
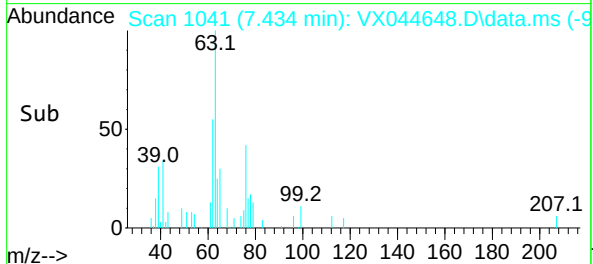
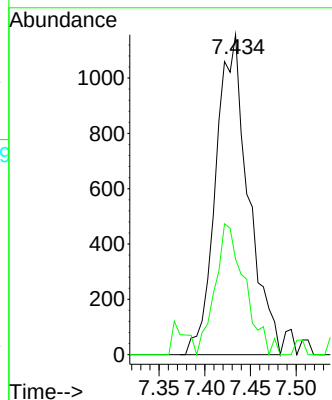
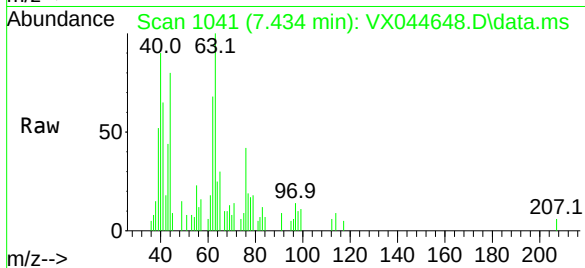
VSTDIC001

Tgt Ion: 63 Resp: 2857

Ion Ratio Lower Upper

63 100

65 29.8 24.2 36.2



#46

Dibromomethane

Concen: 1.143 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

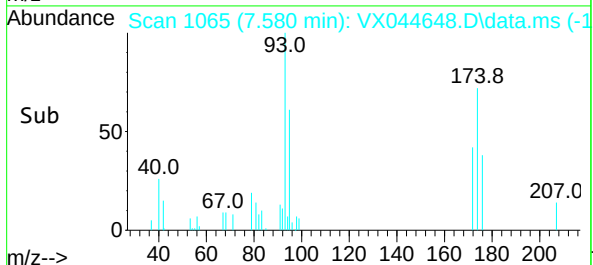
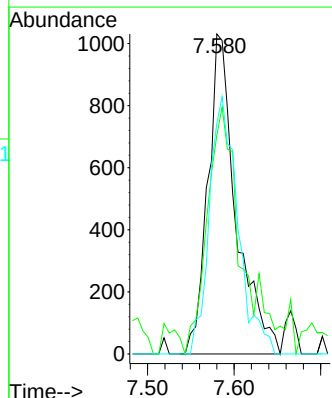
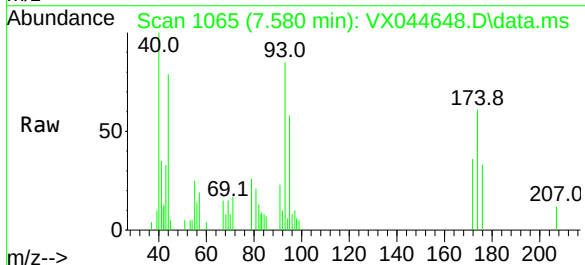
Tgt Ion: 93 Resp: 2337

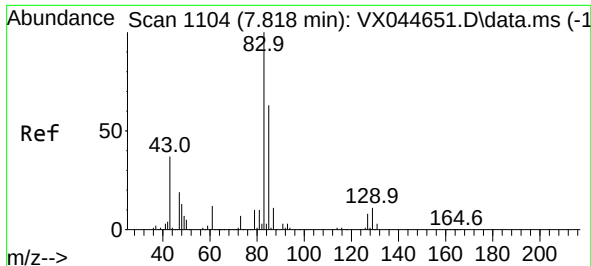
Ion Ratio Lower Upper

93 100

95 81.0 66.4 99.6

174 81.3 72.0 108.0

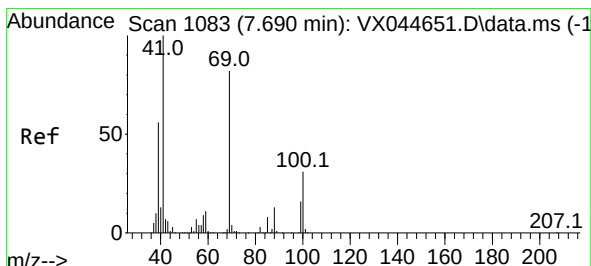
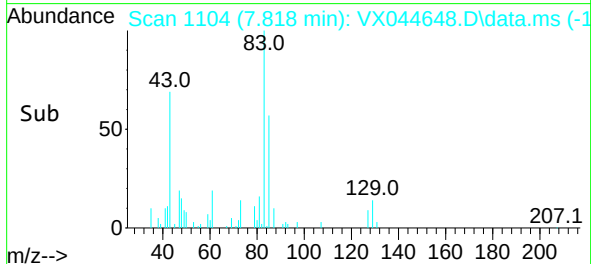
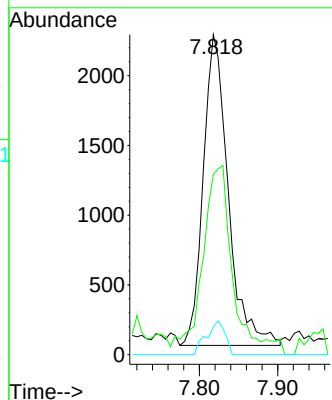
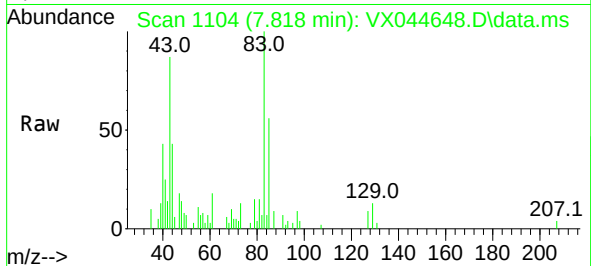




#47
Bromodichloromethane
Concen: 1.177 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

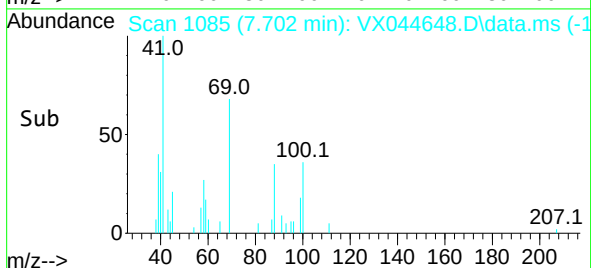
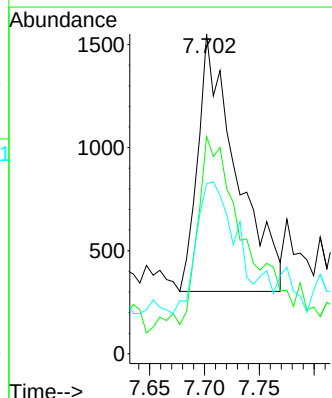
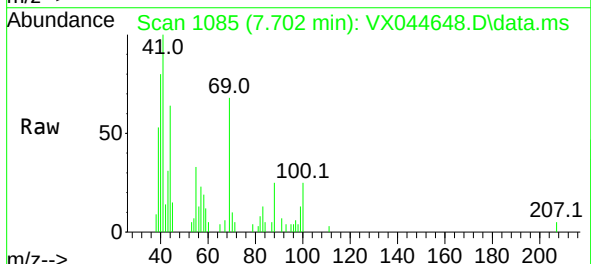
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

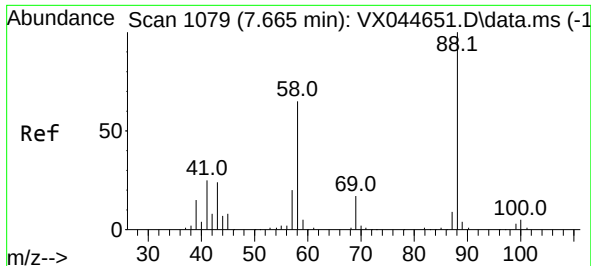
Tgt Ion: 83 Resp: 4937
Ion Ratio Lower Upper
83 100
85 53.1 50.1 75.1
127 8.8 6.5 9.7



#48
Methyl methacrylate
Concen: 0.967 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.012 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 41 Resp: 3029
Ion Ratio Lower Upper
41 100
69 91.2 66.8 100.2
39 51.7 47.4 71.0





#49

1,4-Dioxane

Concen: 22.727 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.031 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

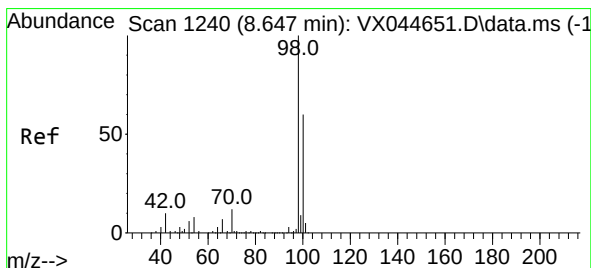
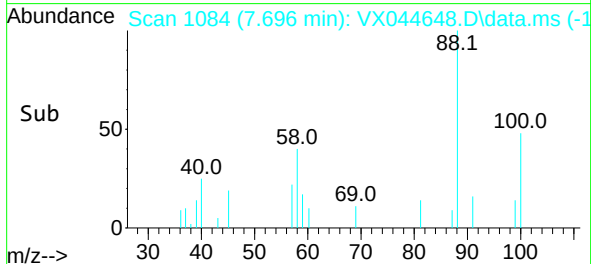
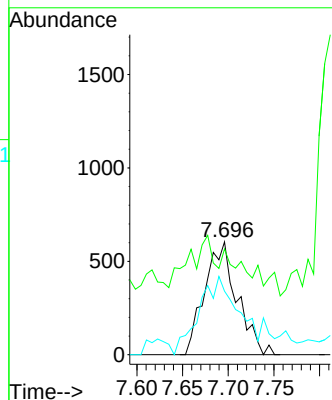
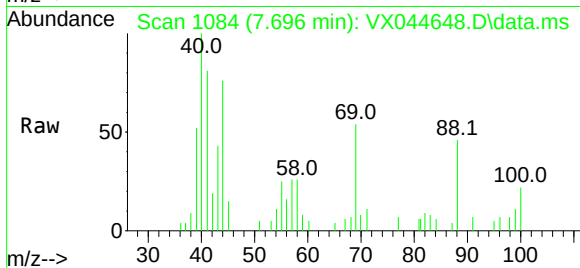
Tgt Ion: 88 Resp: 1485

Ion Ratio Lower Upper

88 100

43 33.9 27.0 40.4

58 85.0 55.8 83.8#



#50

Toluene-d8

Concen: 1.358 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044648.D

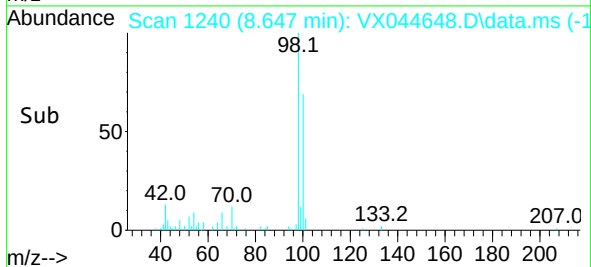
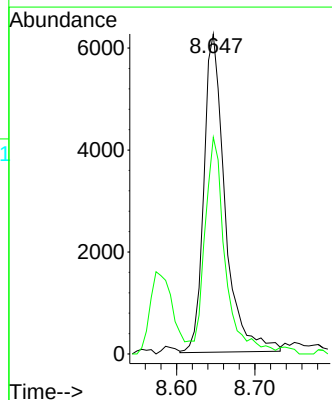
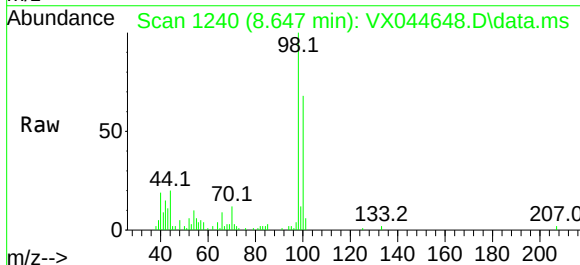
Acq: 15 Jan 2025 10:31

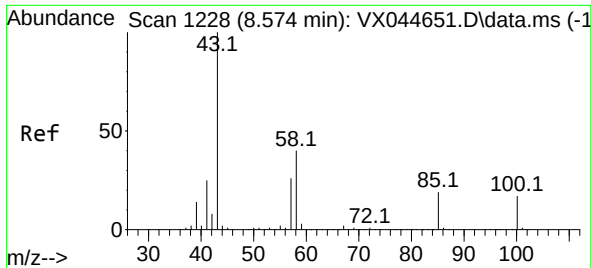
Tgt Ion: 98 Resp: 11717

Ion Ratio Lower Upper

98 100

100 66.2 53.2 79.8

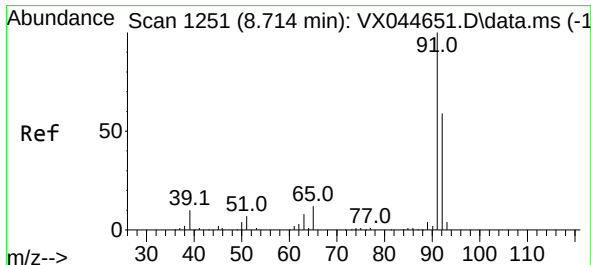
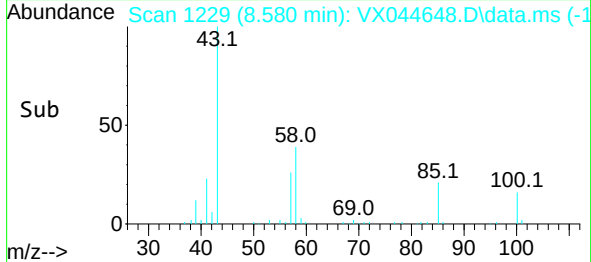
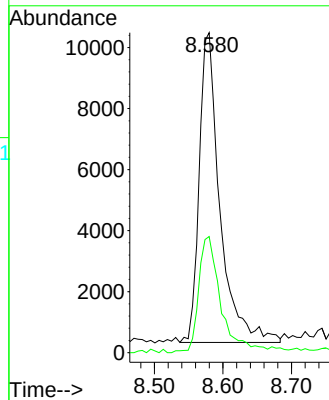
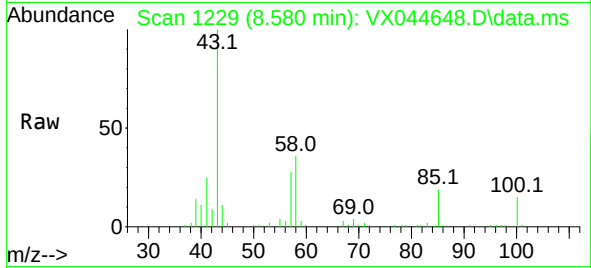




#51
4-Methyl-2-Pentanone
Concen: 5.736 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

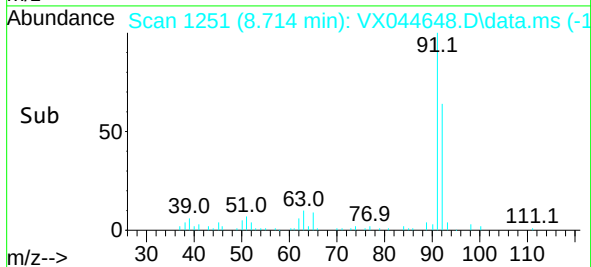
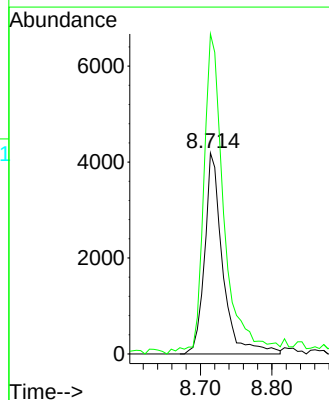
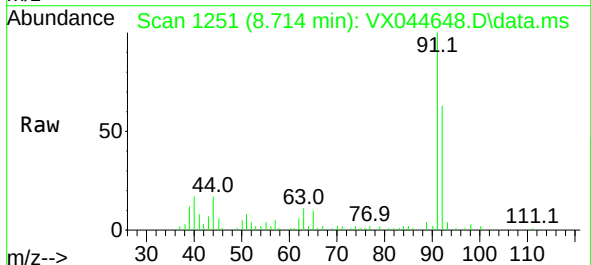
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

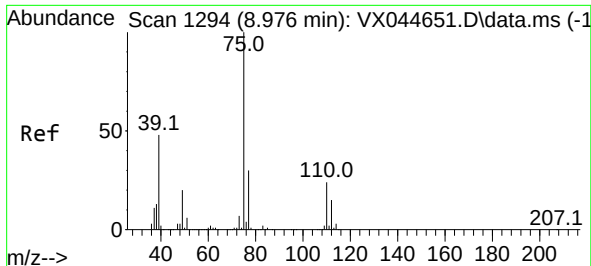
Tgt Ion: 43 Resp: 21388
Ion Ratio Lower Upper
43 100
58 40.0 31.9 47.9



#52
Toluene
Concen: 1.122 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 92 Resp: 7332
Ion Ratio Lower Upper
92 100
91 178.6 135.7 203.5

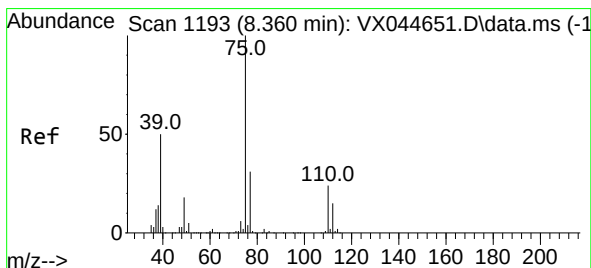
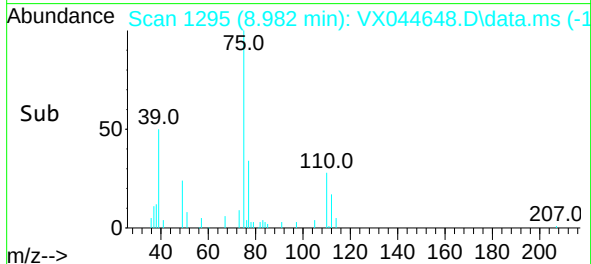
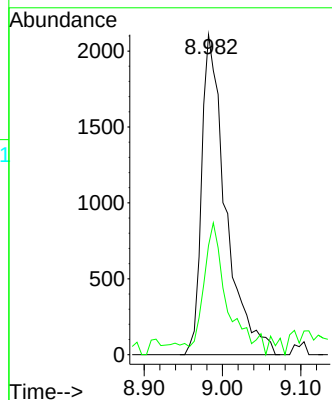
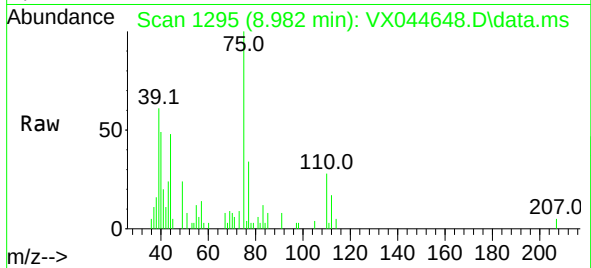




#53
t-1,3-Dichloropropene
Concen: 1.038 ug/l
RT: 8.982 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

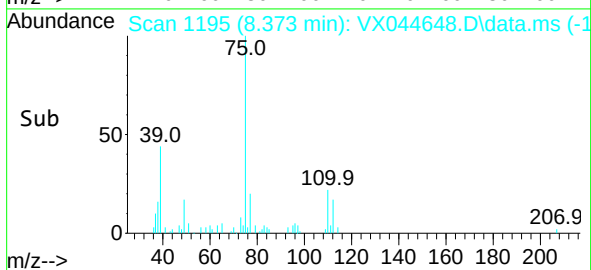
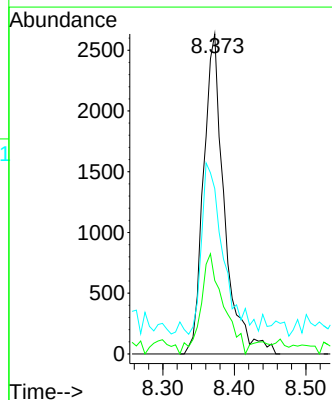
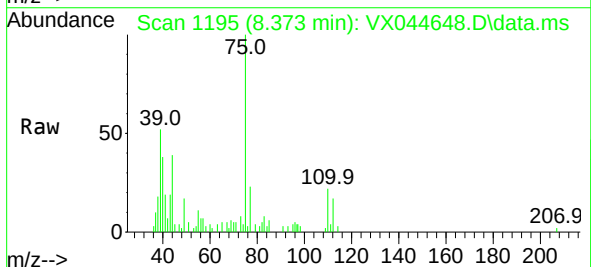
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

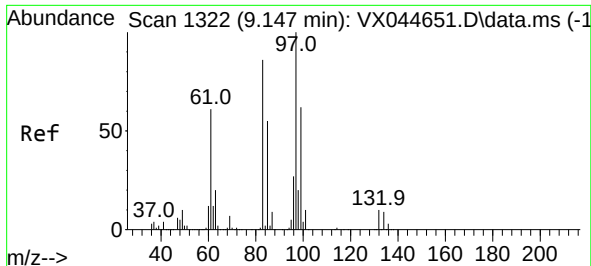
Tgt Ion: 75 Resp: 4499
Ion Ratio Lower Upper
75 100
77 31.1 24.4 36.6



#54
cis-1,3-Dichloropropene
Concen: 1.134 ug/l
RT: 8.373 min Scan# 1195
Delta R.T. 0.012 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 75 Resp: 5328
Ion Ratio Lower Upper
75 100
77 23.0 25.1 37.7#
39 42.1 40.3 60.5

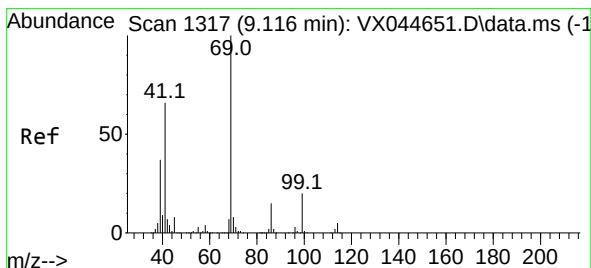
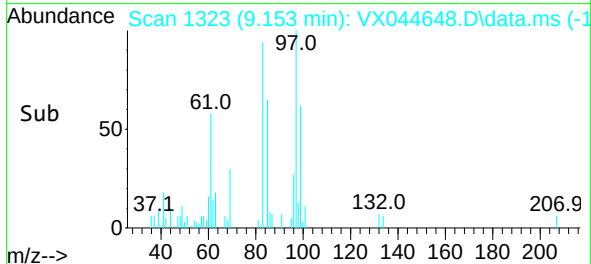
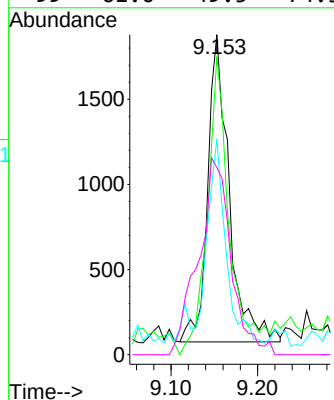
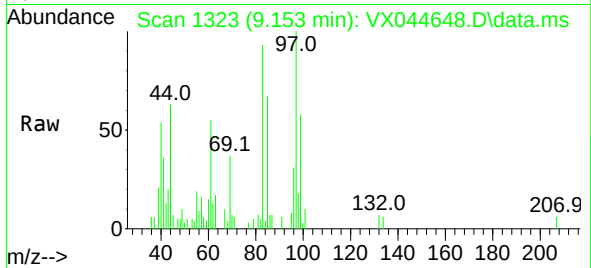




#55
1,1,2-Trichloroethane
Concen: 1.182 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

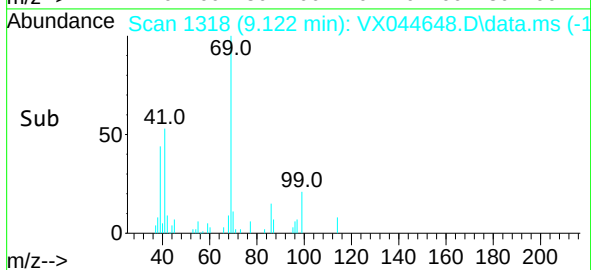
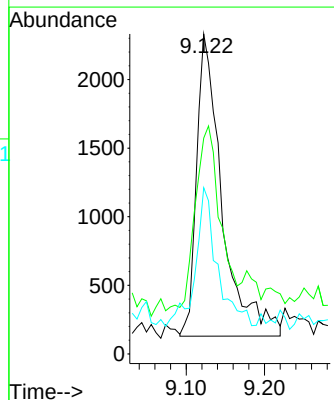
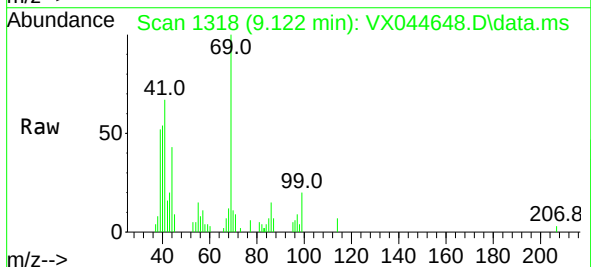
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

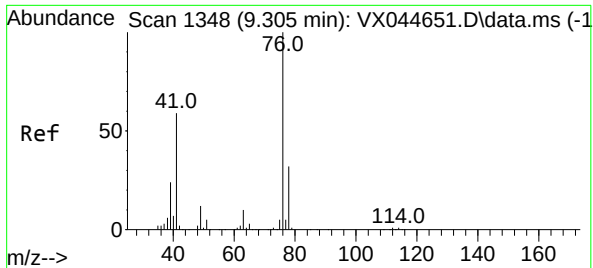
Tgt Ion:	97	Resp:	3124
Ion	Ratio	Lower	Upper
97	100		
83	97.1	68.8	103.2
85	63.4	43.7	65.5
99	61.0	49.5	74.3



#56
Ethyl methacrylate
Concen: 1.099 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:	69	Resp:	4994
Ion	Ratio	Lower	Upper
69	100		
41	56.4	53.2	79.8
39	41.7	30.2	45.2





#57

1,3-Dichloropropane

Concen: 1.128 ug/l

RT: 9.311 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

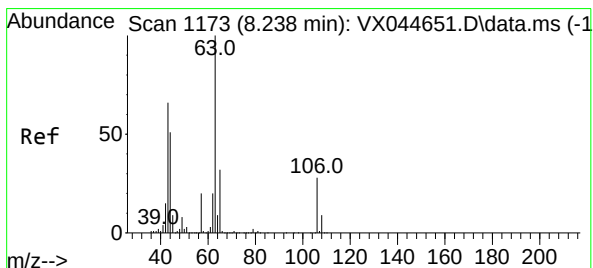
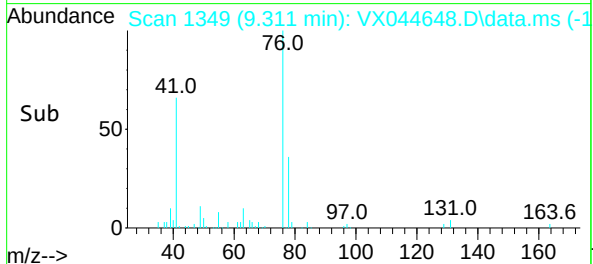
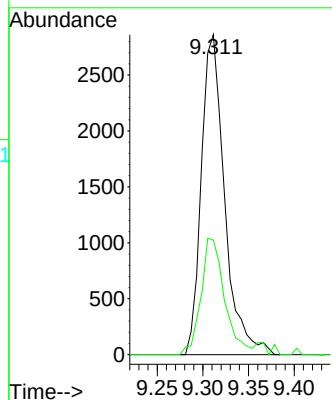
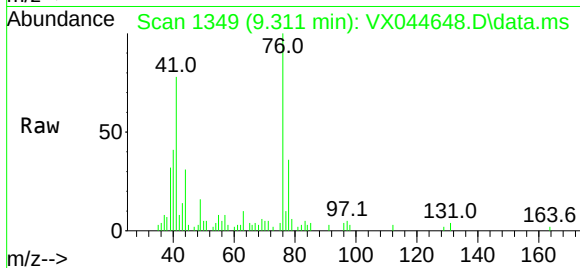
VSTDIC001

Tgt Ion: 76 Resp: 5078

Ion Ratio Lower Upper

76 100

78 36.9 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 6.581 ug/l

RT: 8.245 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VX044648.D

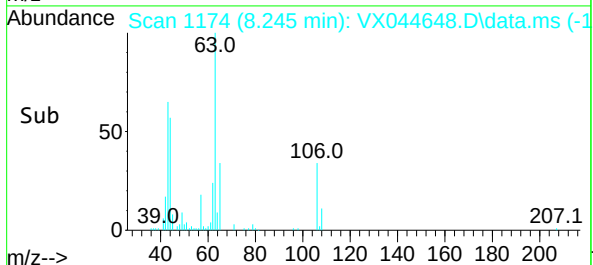
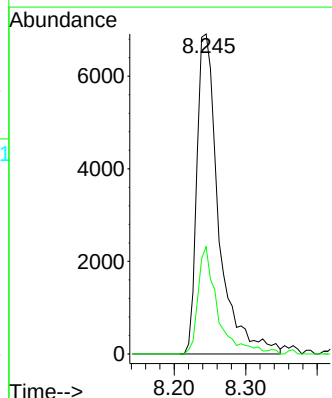
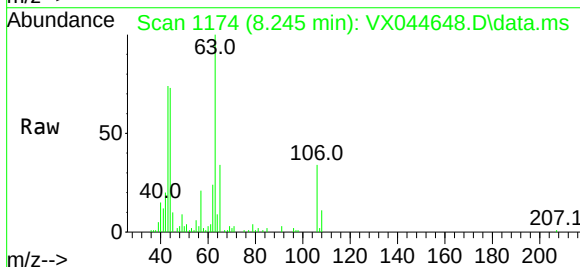
Acq: 15 Jan 2025 10:31

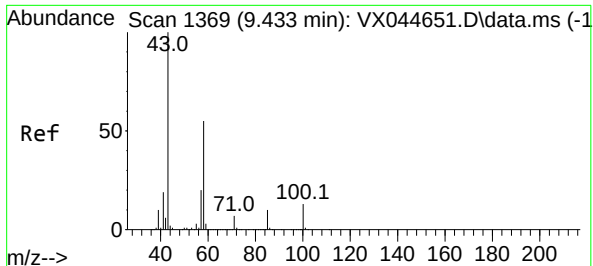
Tgt Ion: 63 Resp: 14681

Ion Ratio Lower Upper

63 100

106 29.8 23.0 34.6





#59

2-Hexanone

Concen: 5.643 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

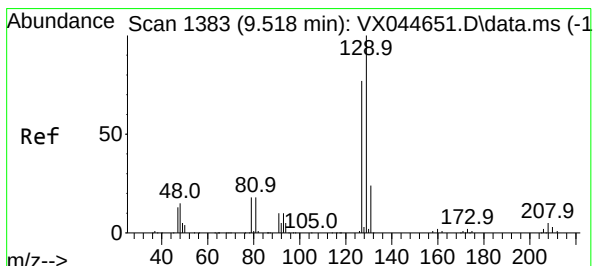
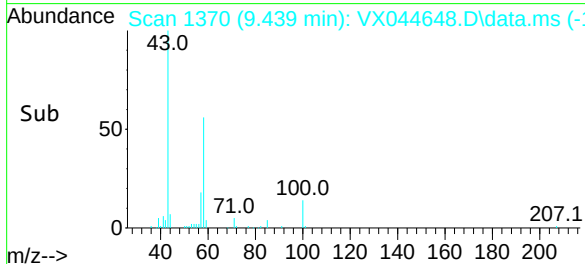
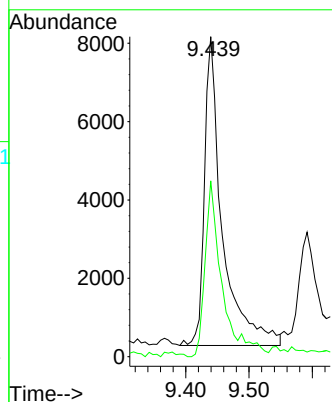
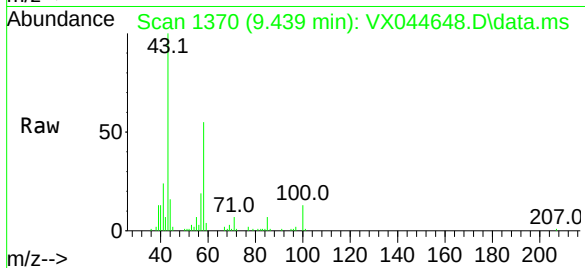
VSTDIC001

Tgt Ion: 43 Resp: 15480

Ion Ratio Lower Upper

43 100

58 54.4 27.8 83.3



#60

Dibromochloromethane

Concen: 1.127 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044648.D

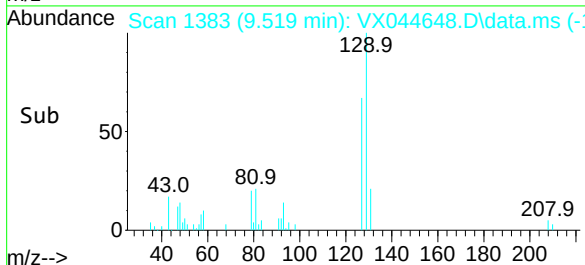
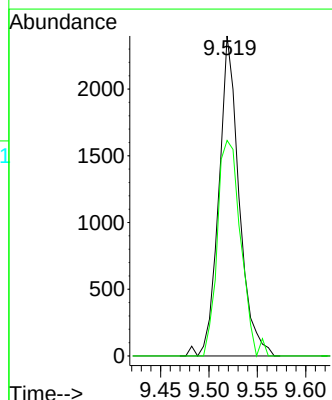
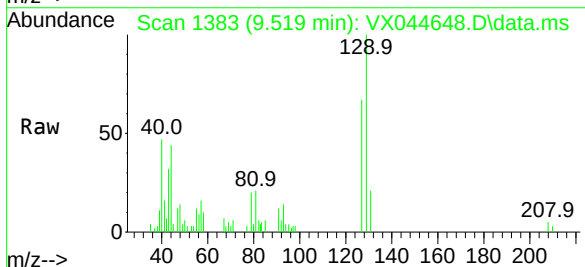
Acq: 15 Jan 2025 10:31

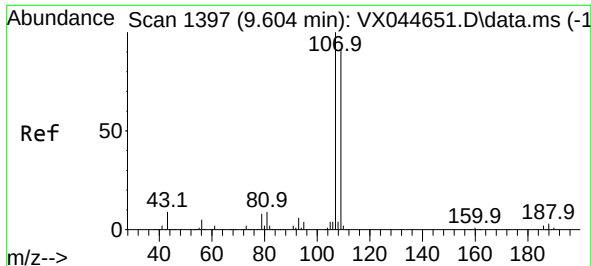
Tgt Ion: 129 Resp: 3495

Ion Ratio Lower Upper

129 100

127 77.3 38.5 115.5

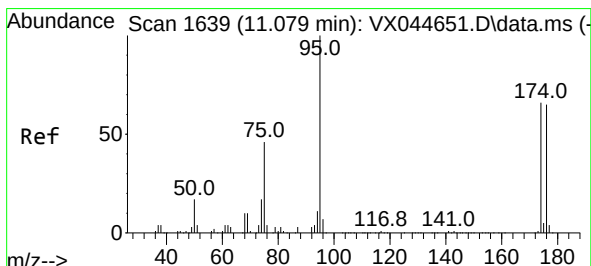
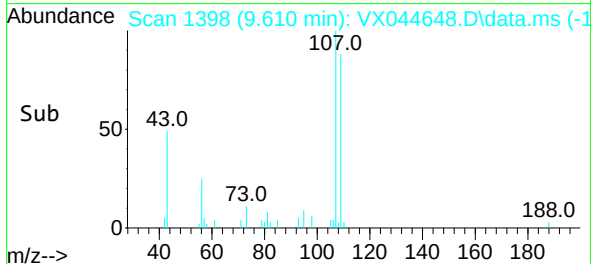
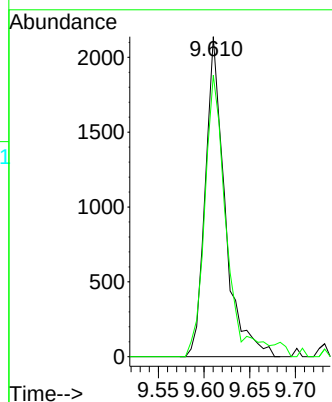
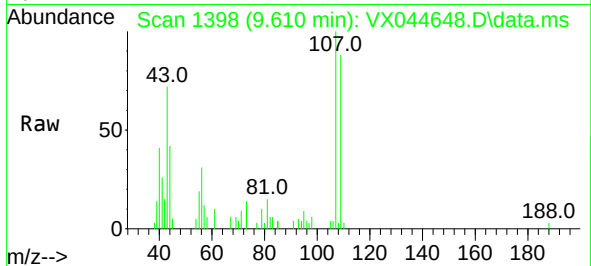




#61
1,2-Dibromoethane
Concen: 1.155 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

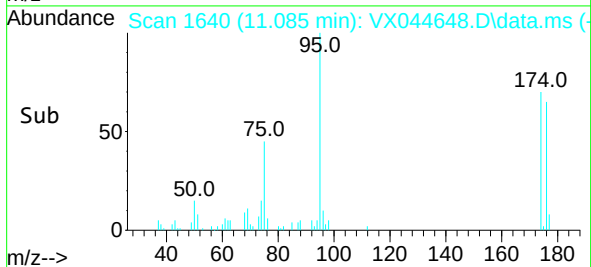
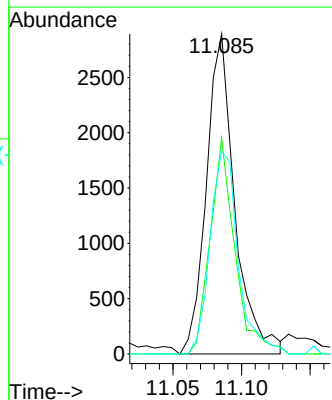
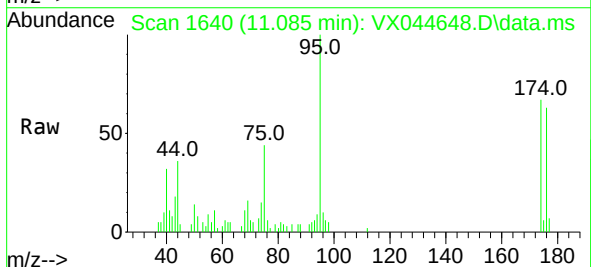
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

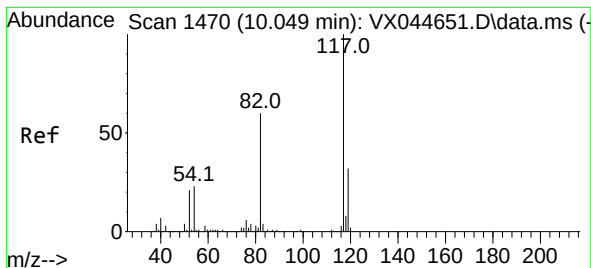
Tgt Ion:107 Resp: 3200
Ion Ratio Lower Upper
107 100
109 98.2 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 1.298 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 95 Resp: 4174
Ion Ratio Lower Upper
95 100
174 58.8 0.0 133.0
176 63.0 0.0 129.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

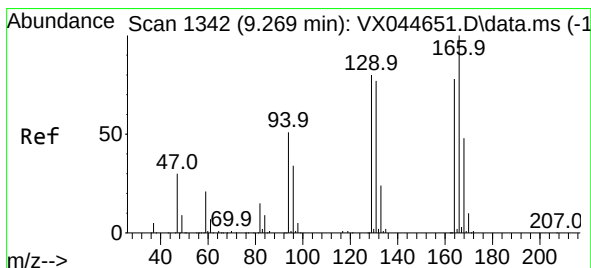
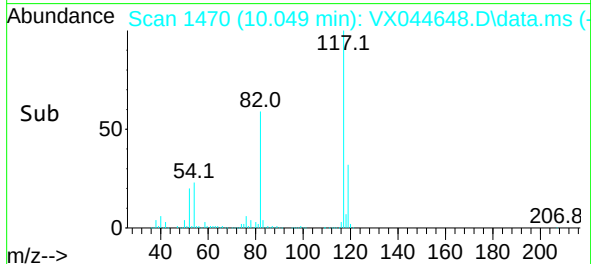
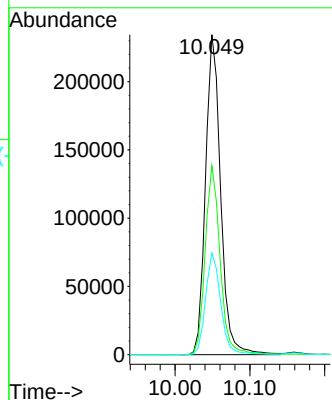
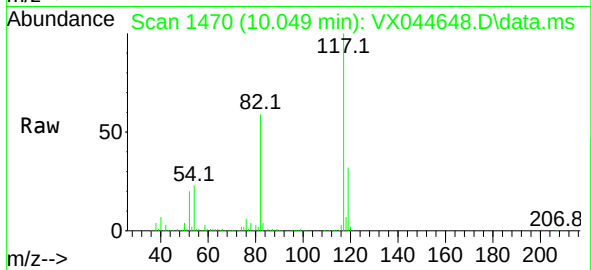
Tgt Ion:117 Resp: 329917

Ion Ratio Lower Upper

117 100

82 59.0 47.6 71.4

119 31.7 25.4 38.2



#64

Tetrachloroethene

Concen: 1.101 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Tgt Ion:164 Resp: 2280

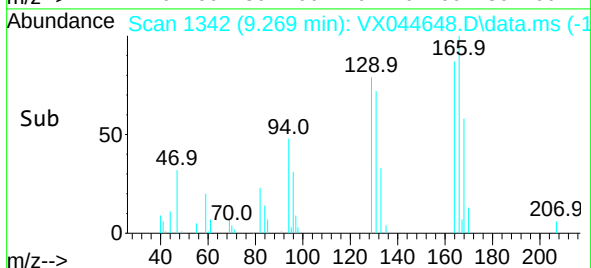
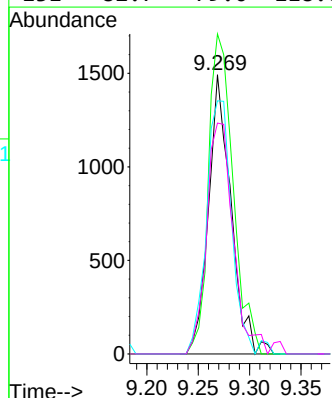
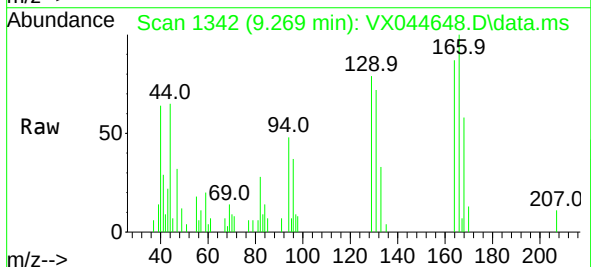
Ion Ratio Lower Upper

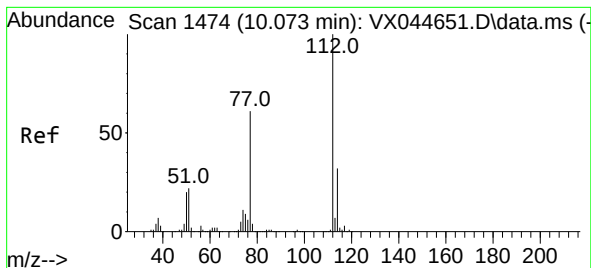
164 100

166 114.6 102.0 153.0

129 90.7 81.1 121.7

131 82.7 79.0 118.6





#65

Chlorobenzene

Concen: 1.109 ug/l

RT: 10.073 min Scan# 1474

Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

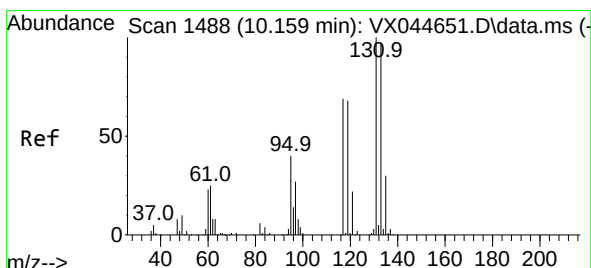
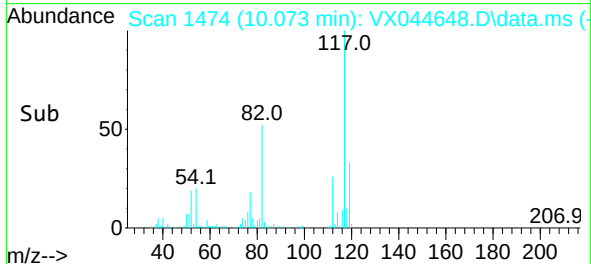
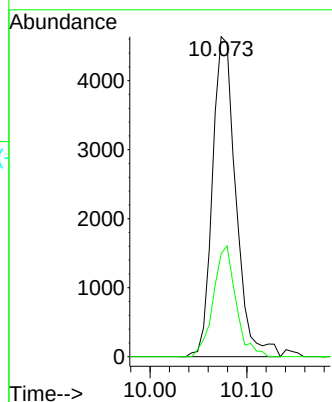
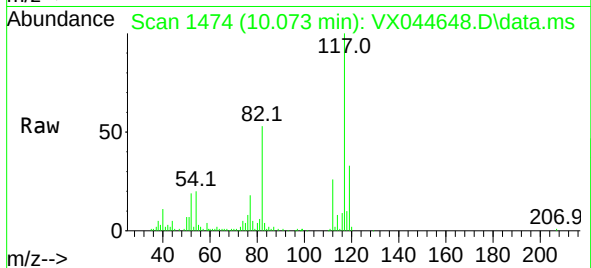
VSTDIC001

Tgt Ion:112 Resp: 7770

Ion Ratio Lower Upper

112 100

114 32.2 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 1.087 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

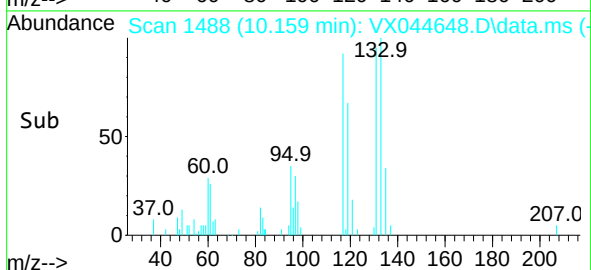
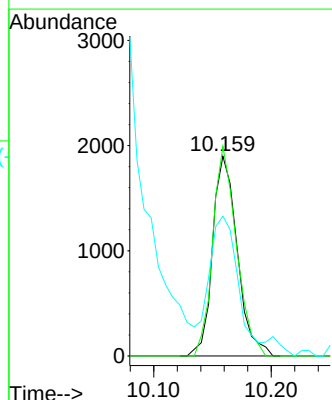
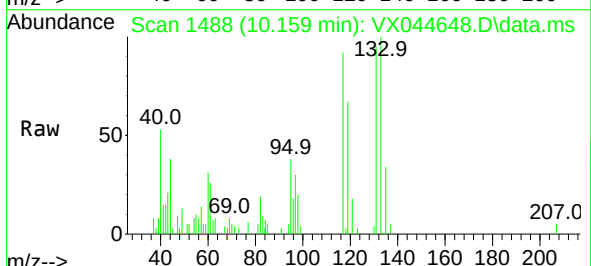
Tgt Ion:131 Resp: 2769

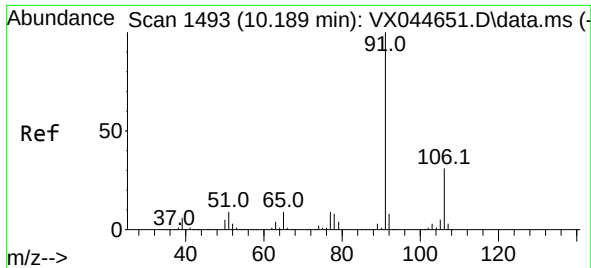
Ion Ratio Lower Upper

131 100

133 100.8 47.8 143.3

119 0.0 33.4 100.2#

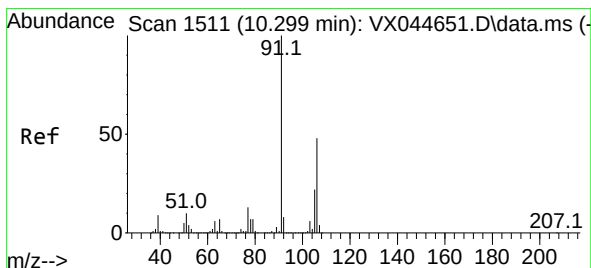
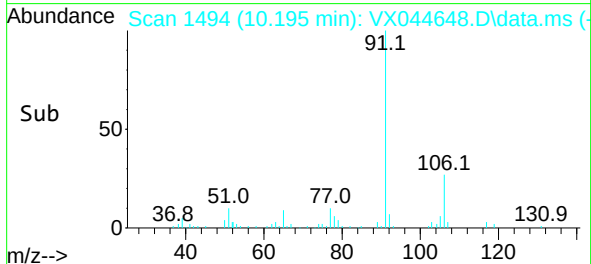
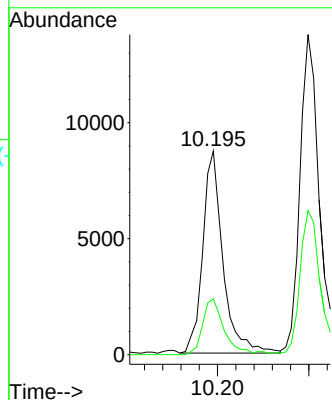
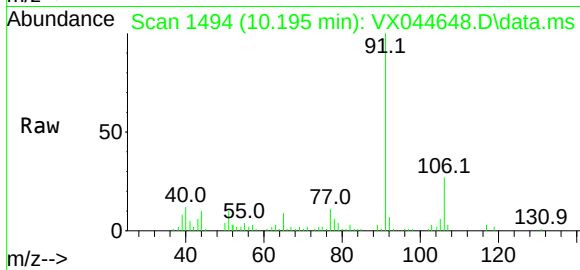




#67
Ethyl Benzene
Concen: 1.093 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

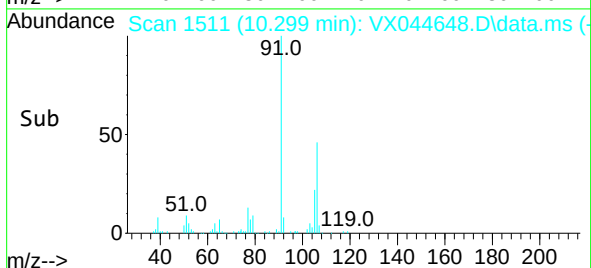
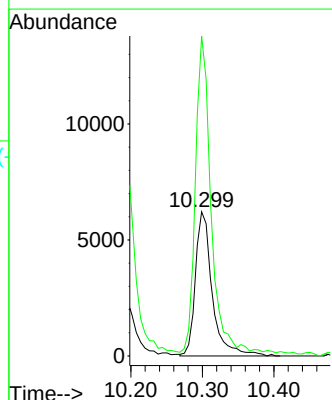
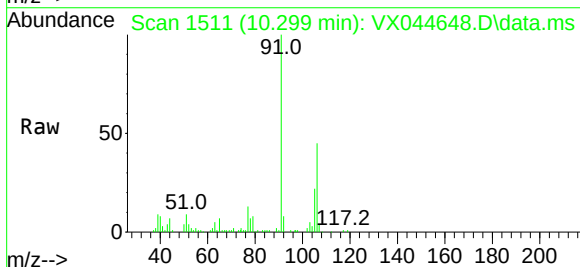
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

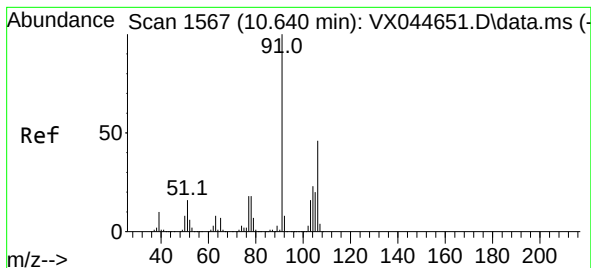
Tgt Ion: 91 Resp: 13366
Ion Ratio Lower Upper
91 100
106 27.6 25.0 37.6



#68
m/p-Xylenes
Concen: 2.244 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 106 Resp: 10180
Ion Ratio Lower Upper
106 100
91 207.4 166.4 249.6





#69

o-Xylene

Concen: 1.132 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

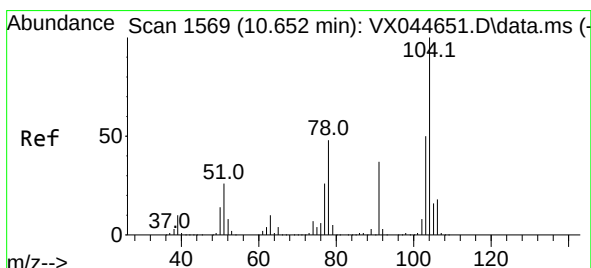
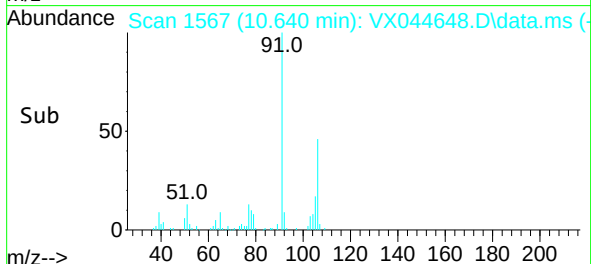
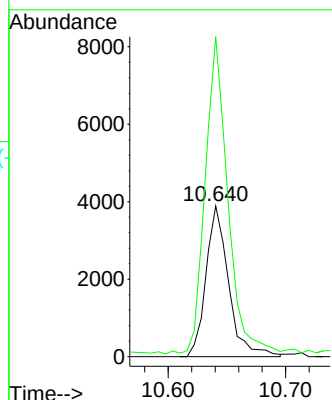
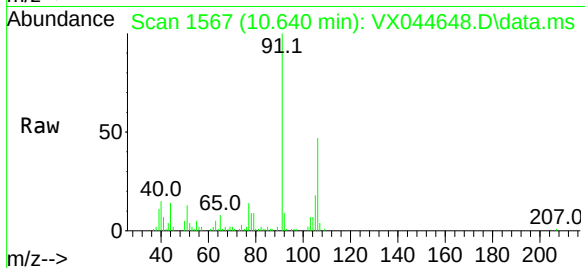
VSTDIC001

Tgt Ion:106 Resp: 5193

Ion Ratio Lower Upper

106 100

91 213.5 108.7 326.3



#70

Styrene

Concen: 1.044 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

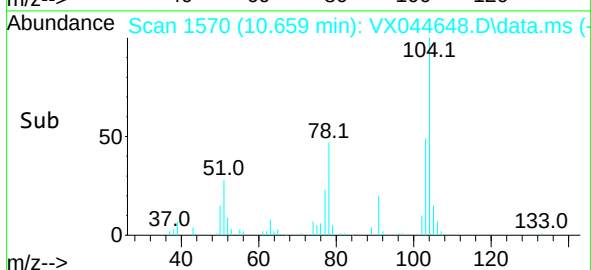
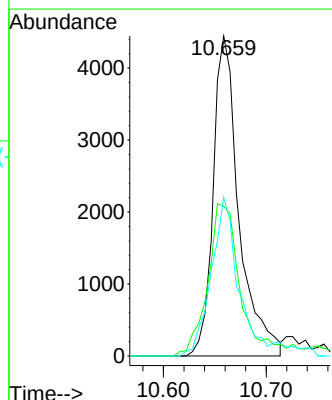
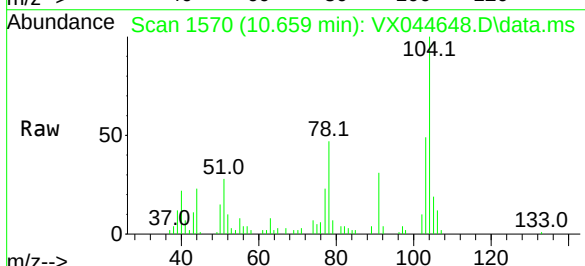
Tgt Ion:104 Resp: 7732

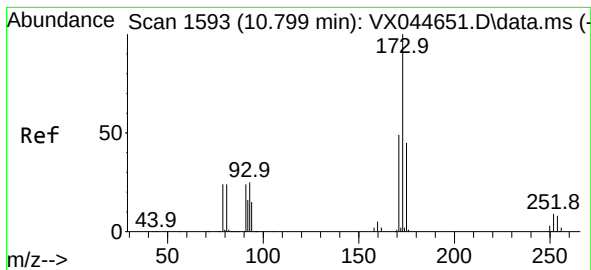
Ion Ratio Lower Upper

104 100

78 61.6 43.0 64.6

103 56.1 43.4 65.2





#71

Bromoform

Concen: 1.058 ug/l

RT: 10.799 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

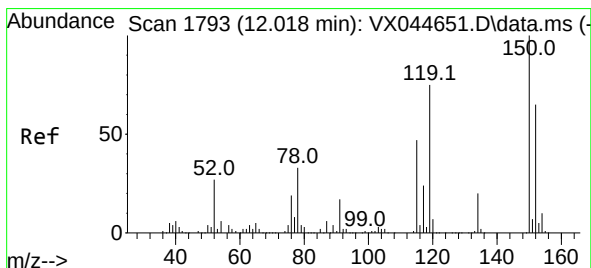
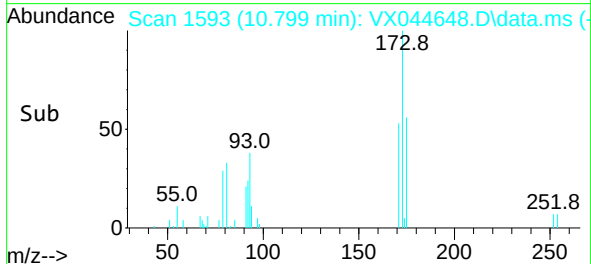
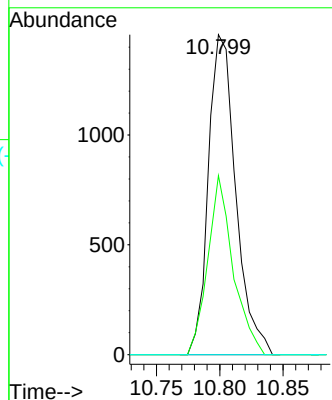
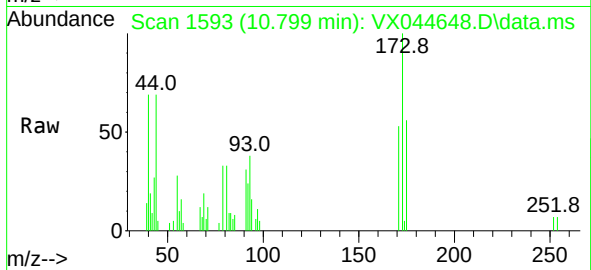
Tgt Ion:173 Resp: 2194

Ion Ratio Lower Upper

173 100

175 51.7 23.6 70.8

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

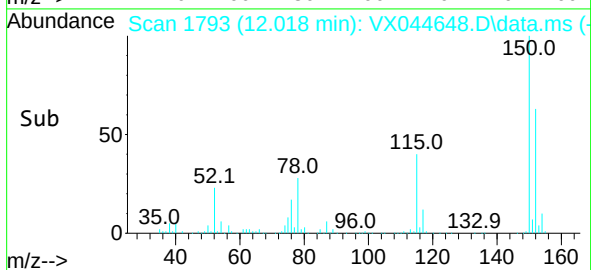
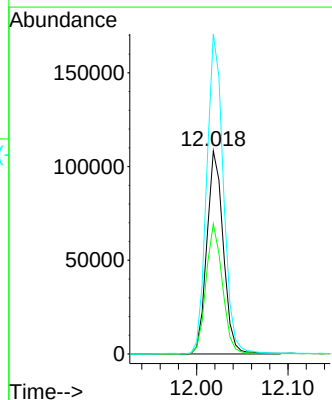
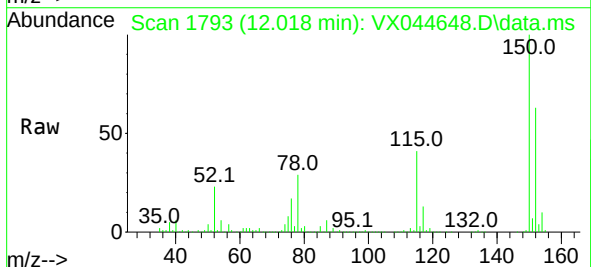
Tgt Ion:152 Resp: 135288

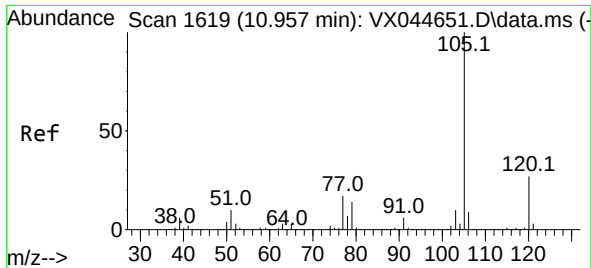
Ion Ratio Lower Upper

152 100

115 64.1 43.8 131.4

150 159.9 0.0 347.8

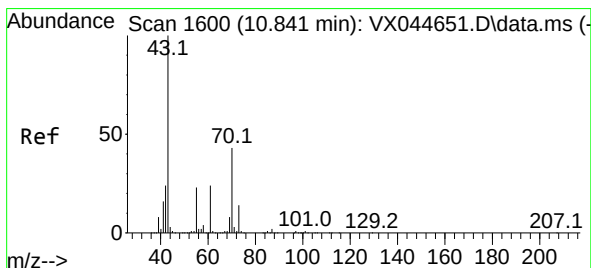
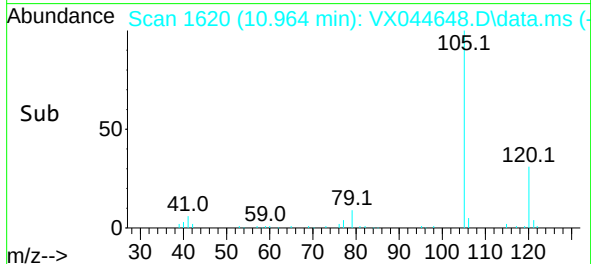
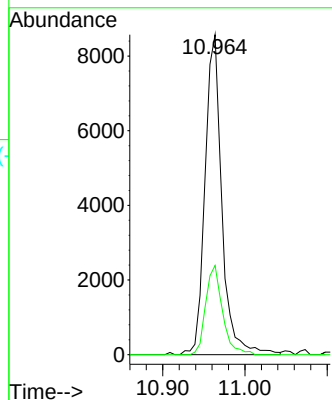
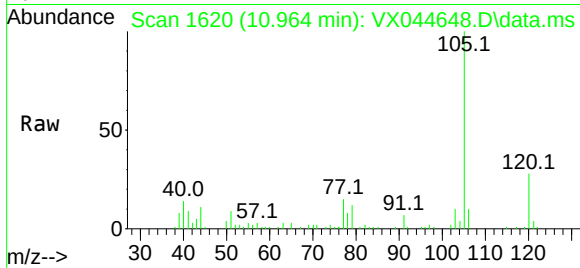




#73
Isopropylbenzene
Concen: 1.105 ug/l
RT: 10.964 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

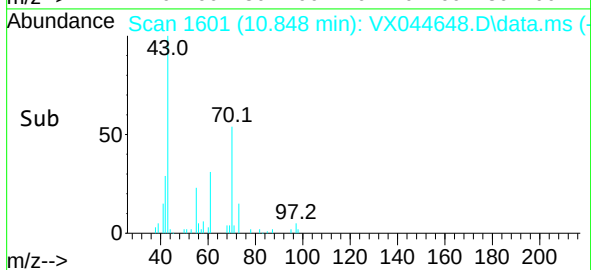
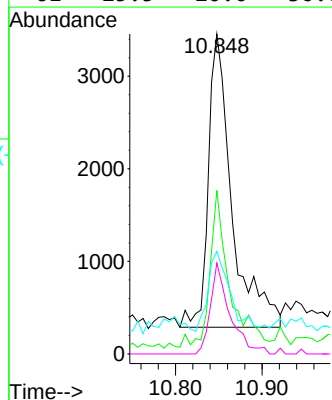
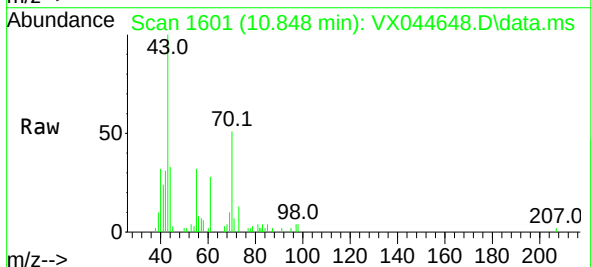
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

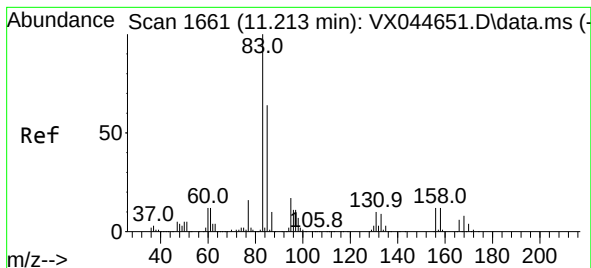
Tgt Ion:105 Resp: 12214
Ion Ratio Lower Upper
105 100
120 27.8 13.2 39.6



#74
N-ethyl acetate
Concen: 1.107 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 43 Resp: 6028
Ion Ratio Lower Upper
43 100
70 41.6 35.2 52.8
55 25.6 19.0 28.4
61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.147 ug/l

RT: 11.214 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

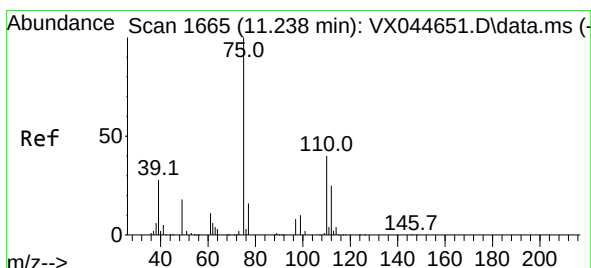
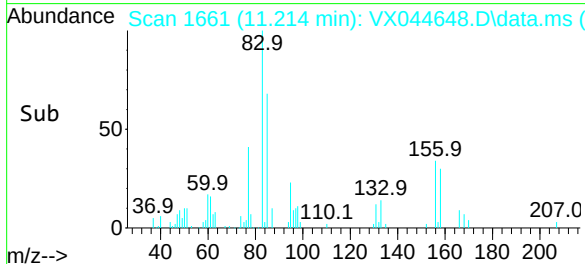
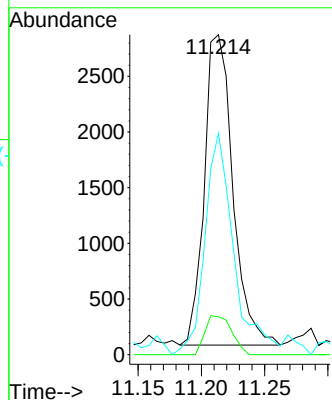
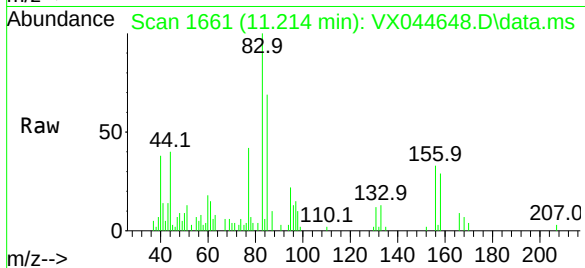
Tgt Ion: 83 Resp: 4377

Ion Ratio Lower Upper

83 100

131 11.7 5.0 14.9

85 72.0 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 1.492 ug/l

RT: 11.244 min Scan# 1666

Delta R.T. 0.006 min

Lab File: VX044648.D

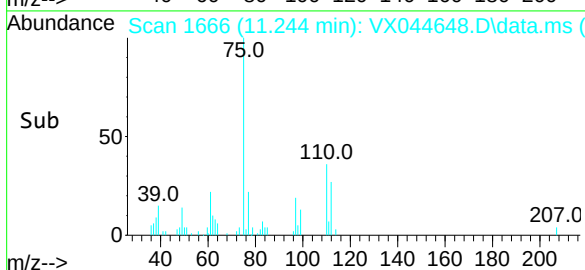
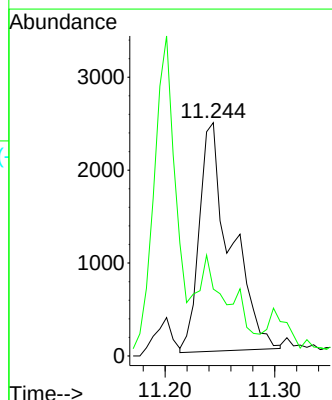
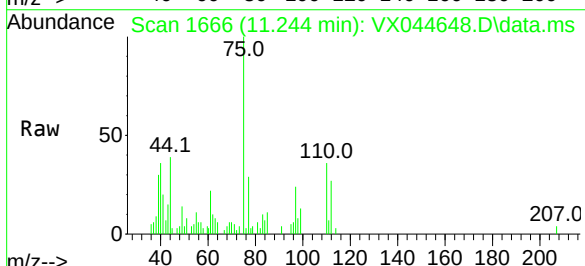
Acq: 15 Jan 2025 10:31

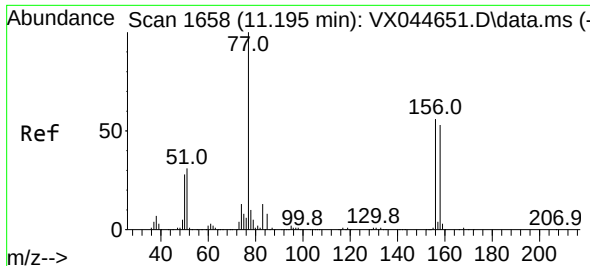
Tgt Ion: 75 Resp: 4898

Ion Ratio Lower Upper

75 100

77 41.4 23.4 70.2

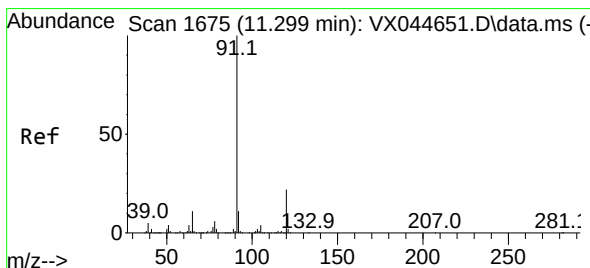
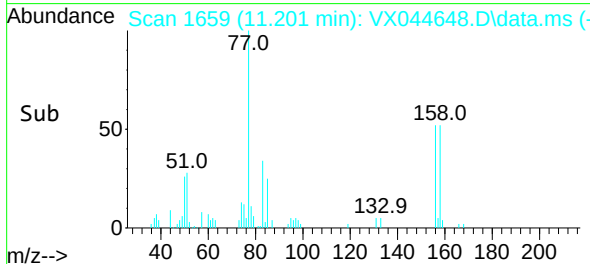
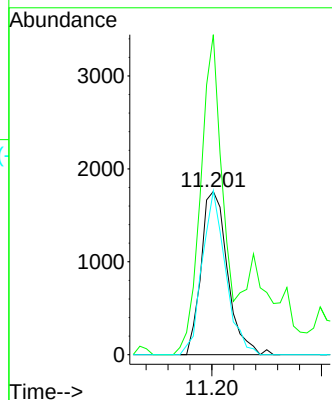
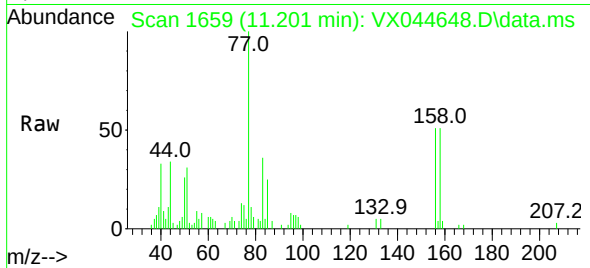




#77
Bromobenzene
Concen: 1.137 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

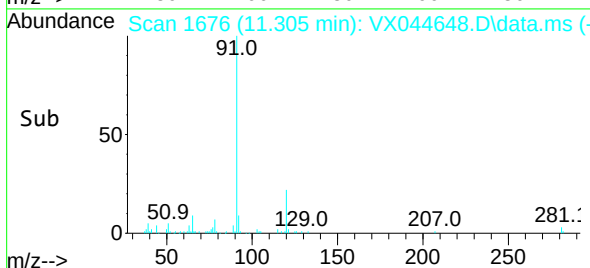
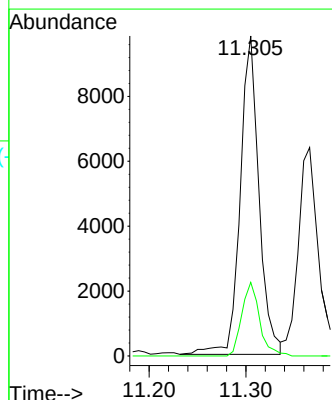
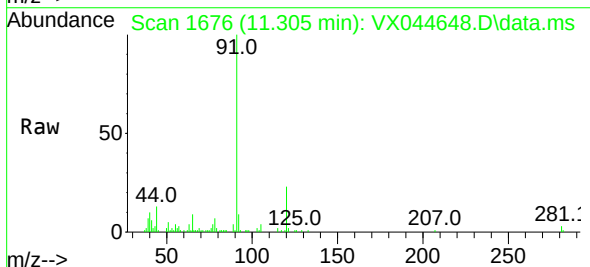
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

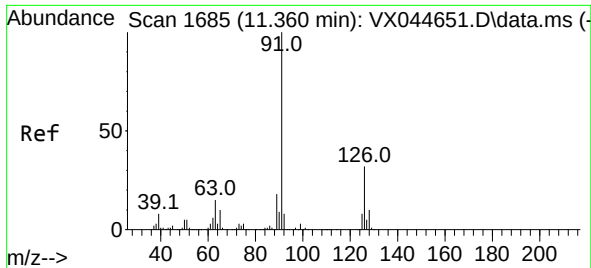
Tgt Ion:156 Resp: 2937
Ion Ratio Lower Upper
156 100
77 170.8 90.3 271.0
158 89.3 48.4 145.3



#78
n-propylbenzene
Concen: 1.088 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 91 Resp: 13264
Ion Ratio Lower Upper
91 100
120 21.9 11.4 34.1

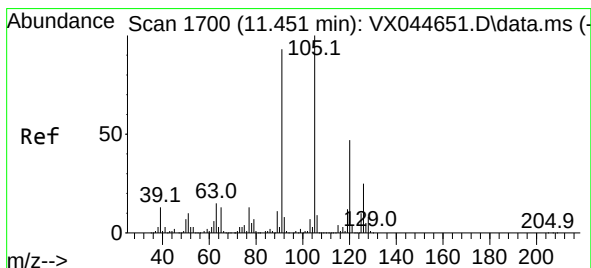
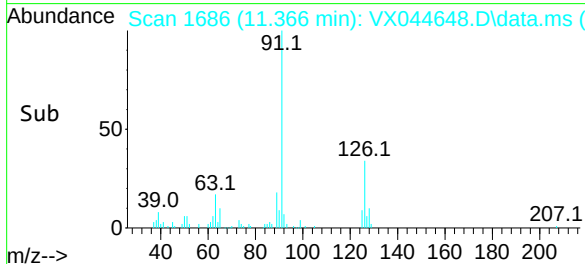
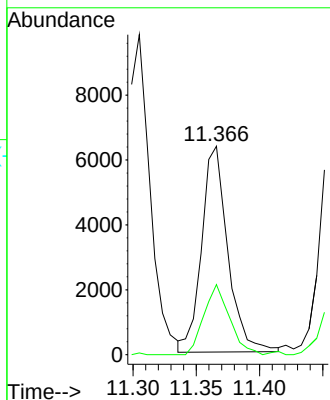
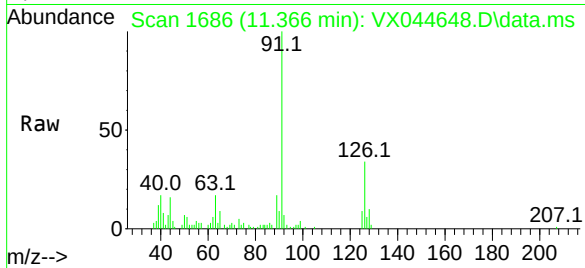




#79
2-Chlorotoluene
Concen: 1.163 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

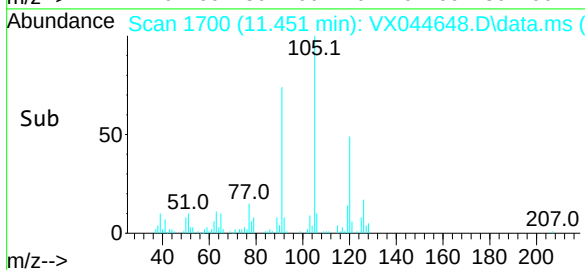
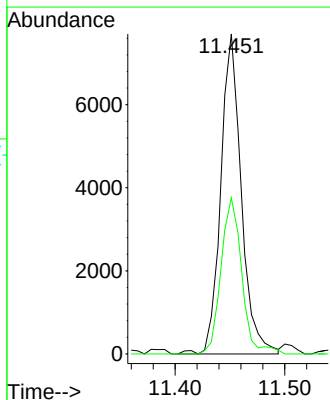
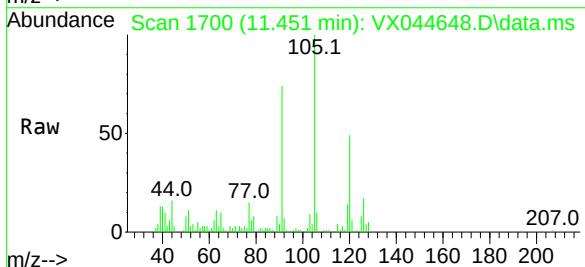
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

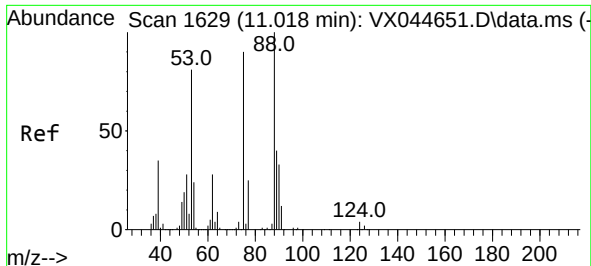
Tgt Ion: 91 Resp: 9159
Ion Ratio Lower Upper
91 100
126 33.2 16.2 48.5



#80
1,3,5-Trimethylbenzene
Concen: 1.115 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 105 Resp: 10031
Ion Ratio Lower Upper
105 100
120 49.2 23.7 71.1

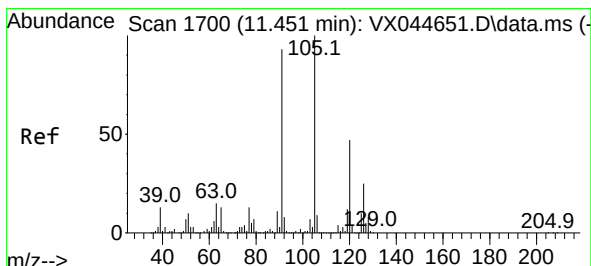
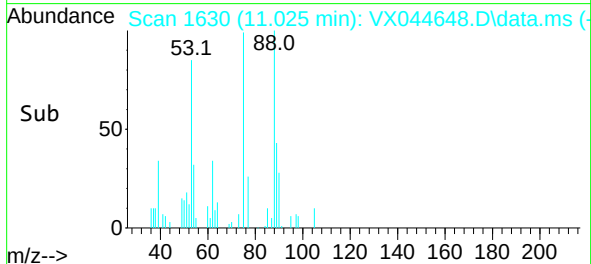
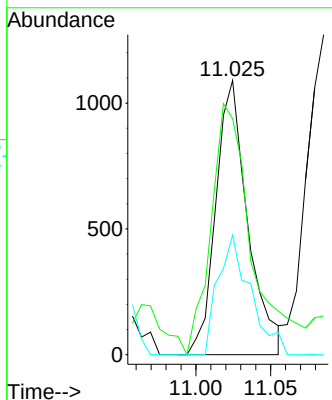
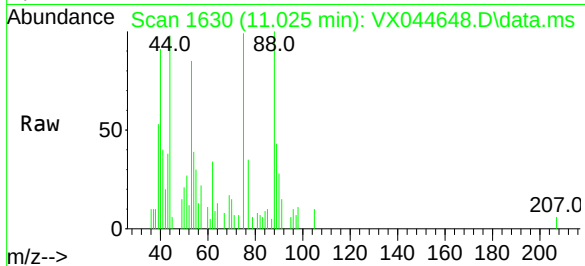




#81
trans-1,4-Dichloro-2-butene
Concen: 1.129 ug/l
RT: 11.025 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

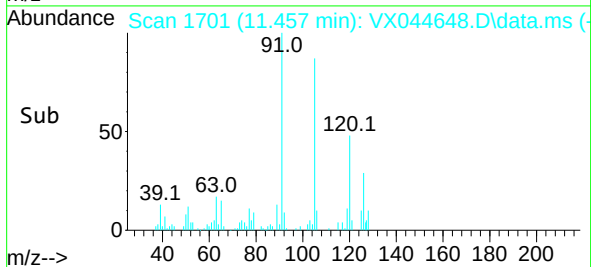
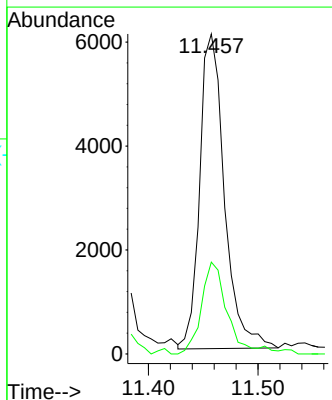
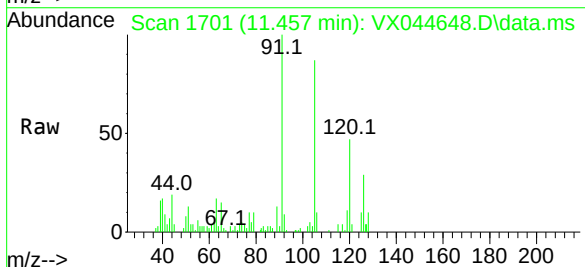
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

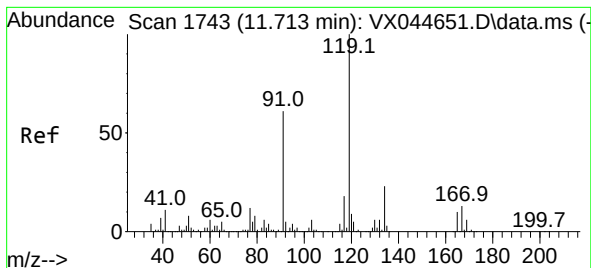
Tgt Ion: 75 Resp: 1621
Ion Ratio Lower Upper
75 100
53 117.0 74.3 111.5#
89 44.1 37.4 56.0



#82
4-Chlorotoluene
Concen: 1.101 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 91 Resp: 9494
Ion Ratio Lower Upper
91 100
126 31.3 13.9 41.7





#83

tert-Butylbenzene

Concen: 1.155 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

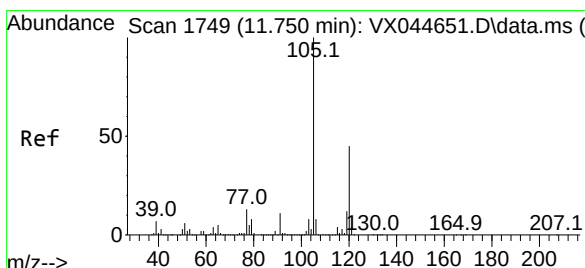
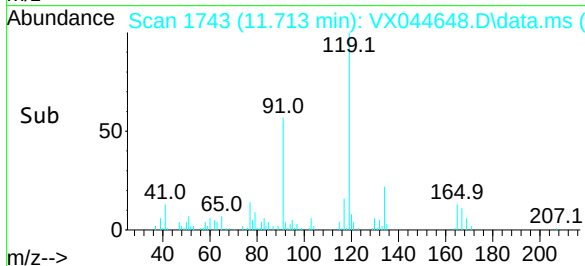
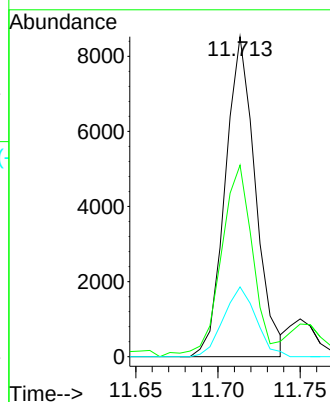
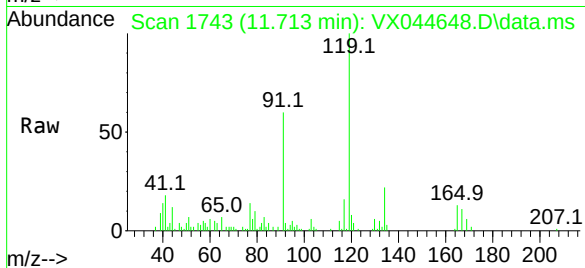
Tgt Ion:119 Resp: 10869

Ion Ratio Lower Upper

119 100

91 63.4 30.0 90.0

134 23.5 11.2 33.5



#84

1,2,4-Trimethylbenzene

Concen: 1.174 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044648.D

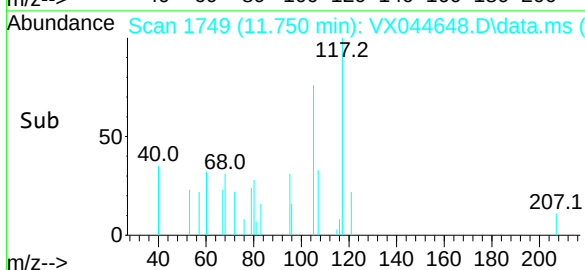
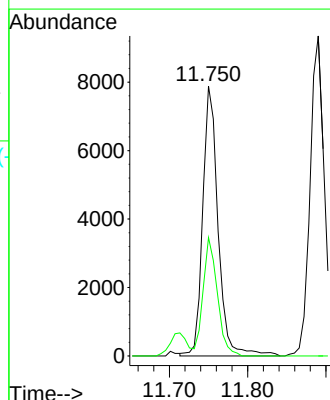
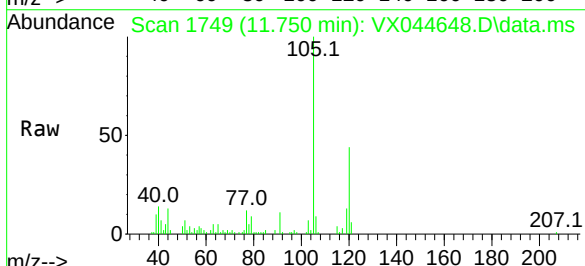
Acq: 15 Jan 2025 10:31

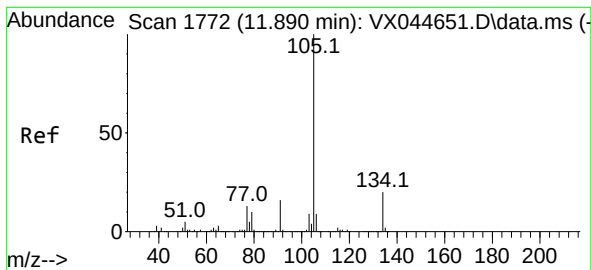
Tgt Ion:105 Resp: 10735

Ion Ratio Lower Upper

105 100

120 40.5 22.2 66.6





#85

sec-Butylbenzene

Concen: 1.115 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

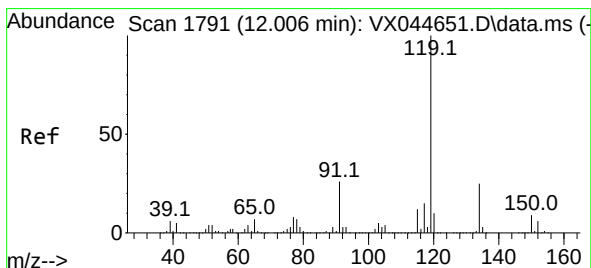
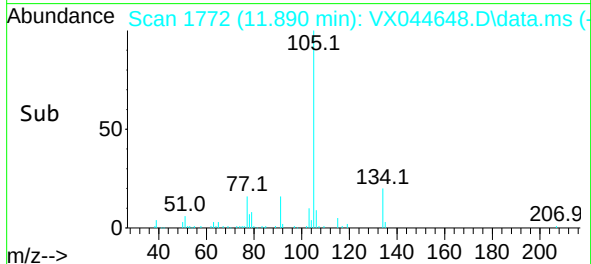
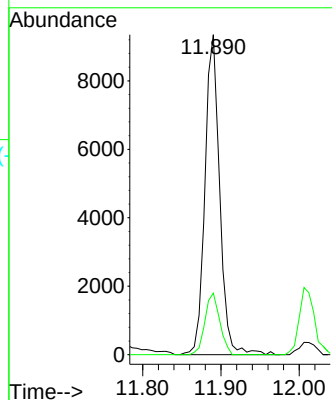
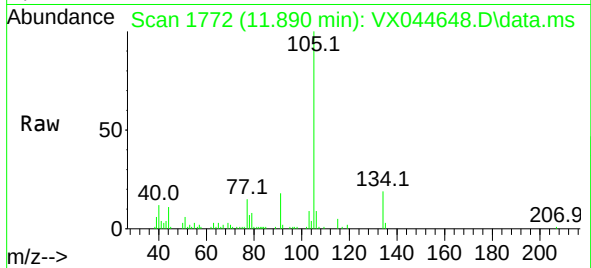
VSTDIC001

Tgt Ion:105 Resp: 12217

Ion Ratio Lower Upper

105 100

134 19.3 9.8 29.5



#86

p-Isopropyltoluene

Concen: 1.101 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

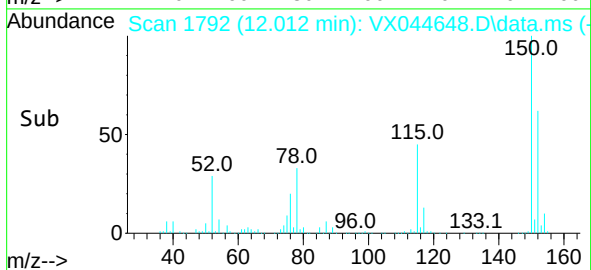
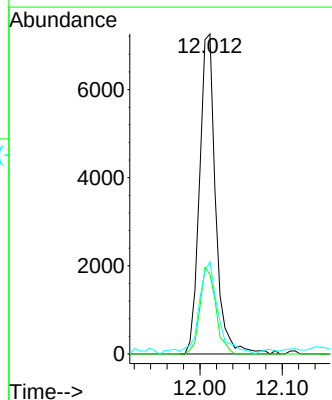
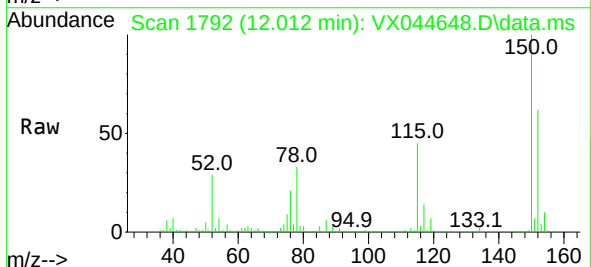
Tgt Ion:119 Resp: 9910

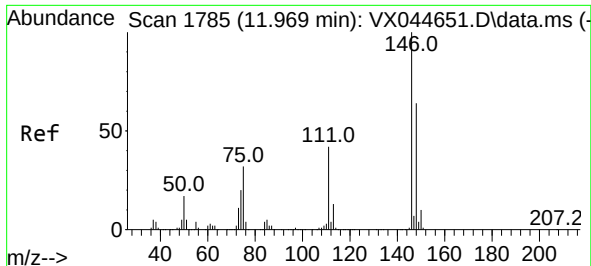
Ion Ratio Lower Upper

119 100

134 26.5 12.8 38.4

91 34.4 12.7 38.1

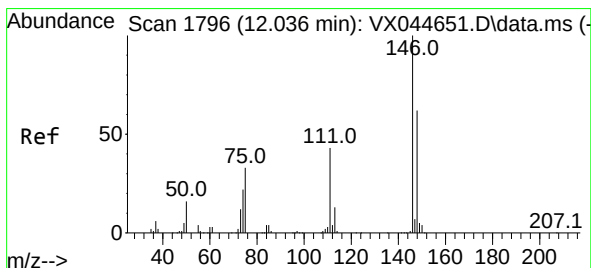
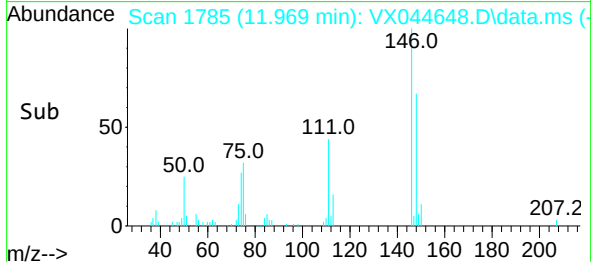
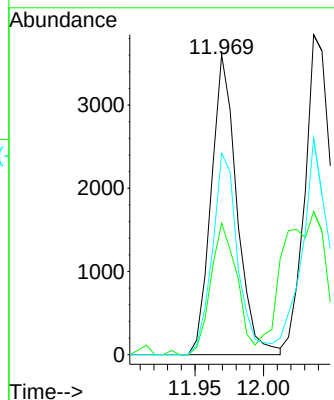
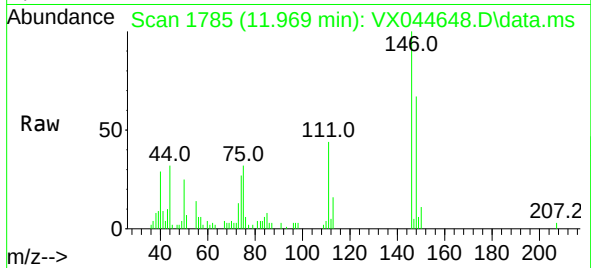




#87
 1,3-Dichlorobenzene
 Concen: 1.046 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. 0.000 min
 Lab File: VX044648.D
 Acq: 15 Jan 2025 10:31

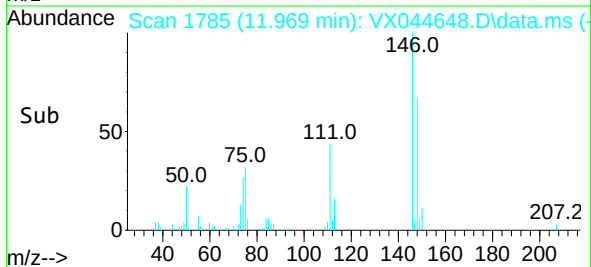
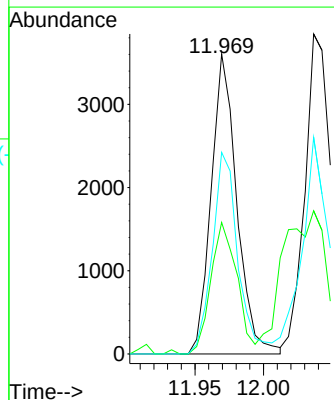
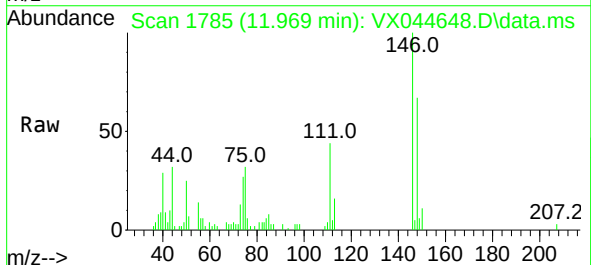
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

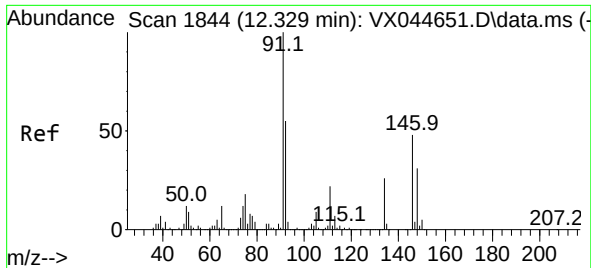
Tgt Ion:146 Resp: 4688
 Ion Ratio Lower Upper
 146 100
 111 44.8 21.9 65.7
 148 67.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 1.035 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. -0.067 min
 Lab File: VX044648.D
 Acq: 15 Jan 2025 10:31

Tgt Ion:146 Resp: 4688
 Ion Ratio Lower Upper
 146 100
 111 44.8 21.5 64.5
 148 67.2 32.1 96.5





#89

n-Butylbenzene

Concen: 1.047 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

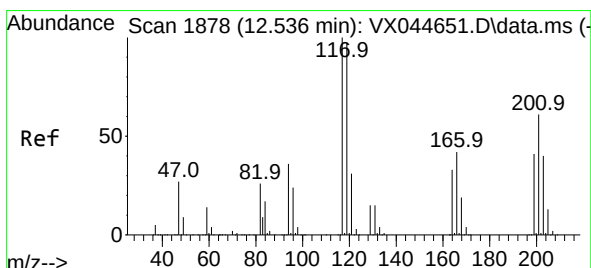
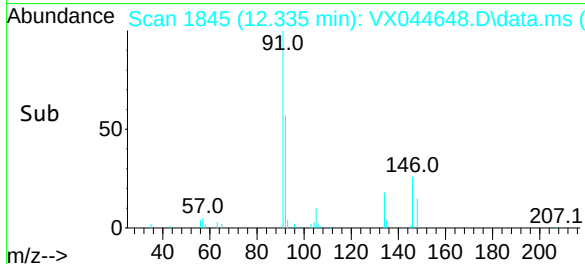
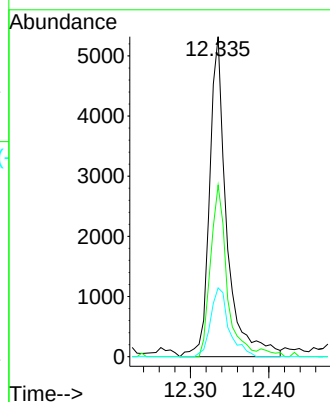
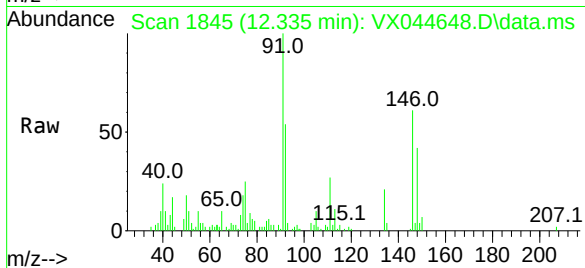
Tgt Ion: 91 Resp: 8095

Ion Ratio Lower Upper

91 100

92 50.5 27.4 82.0

134 22.8 12.8 38.3



#90

Hexachloroethane

Concen: 1.270 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044648.D

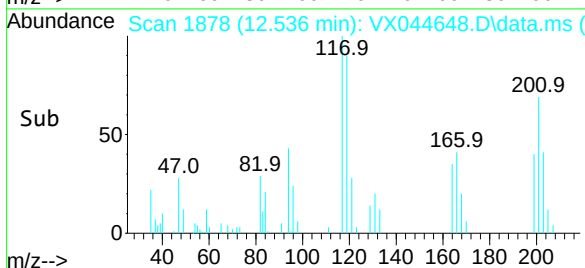
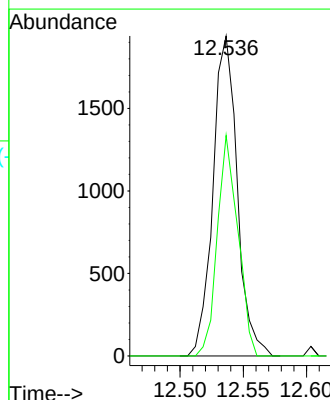
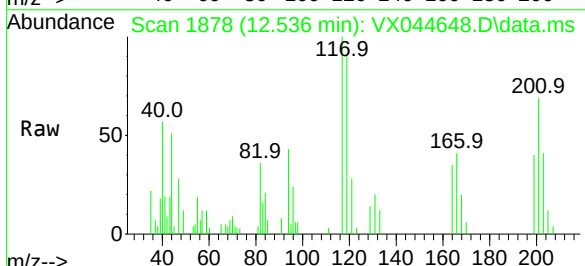
Acq: 15 Jan 2025 10:31

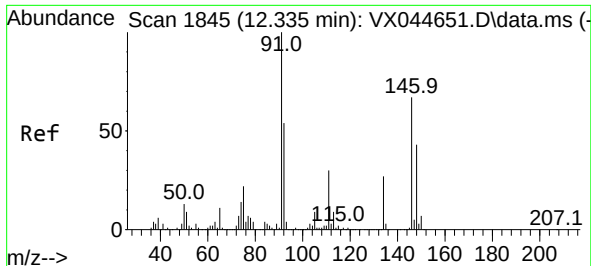
Tgt Ion: 117 Resp: 2589

Ion Ratio Lower Upper

117 100

201 58.4 32.3 96.8

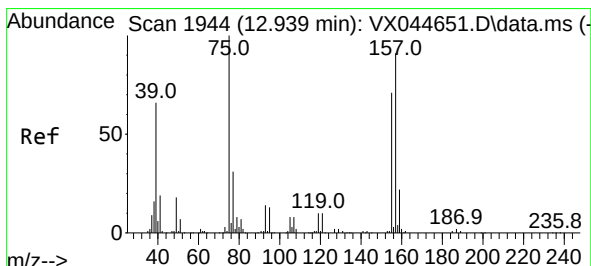
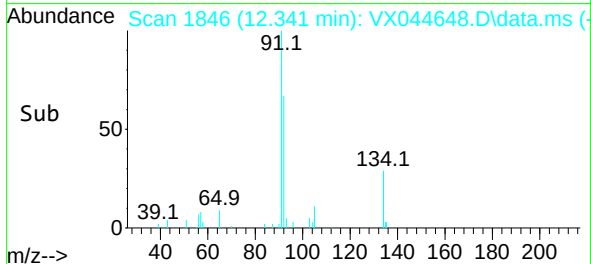
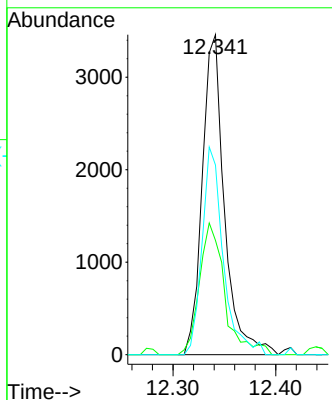
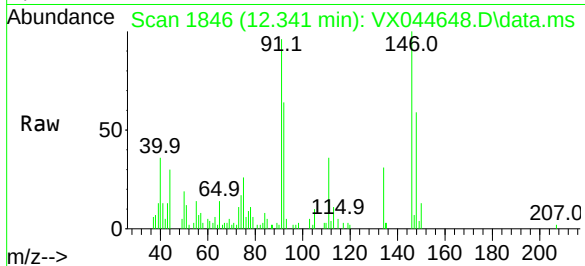




#91
 1,2-Dichlorobenzene
 Concen: 1.128 ug/l
 RT: 12.341 min Scan# 1846
 Delta R.T. 0.006 min
 Lab File: VX044648.D
 Acq: 15 Jan 2025 10:31

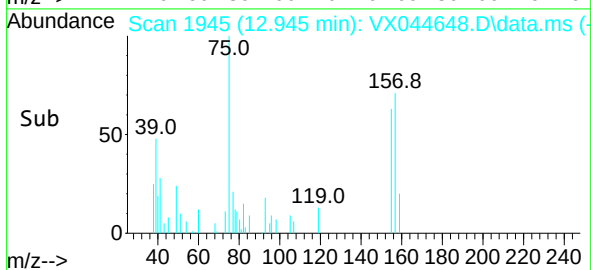
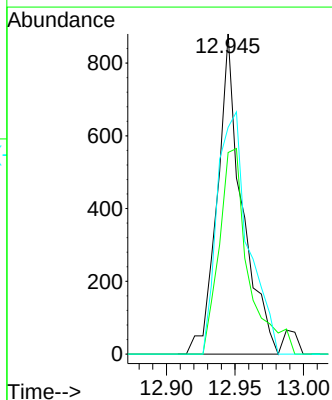
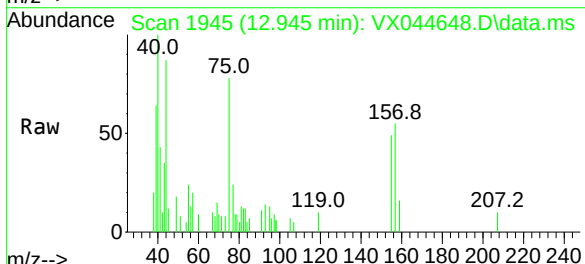
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

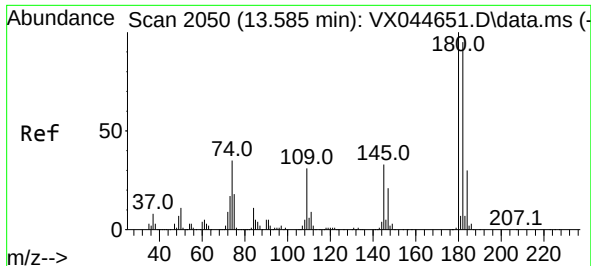
Tgt Ion:146 Resp: 5192
 Ion Ratio Lower Upper
 146 100
 111 47.0 22.4 67.2
 148 62.3 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.178 ug/l
 RT: 12.945 min Scan# 1945
 Delta R.T. 0.006 min
 Lab File: VX044648.D
 Acq: 15 Jan 2025 10:31

Tgt Ion: 75 Resp: 1100
 Ion Ratio Lower Upper
 75 100
 155 75.9 39.0 116.9
 157 95.6 49.9 149.7

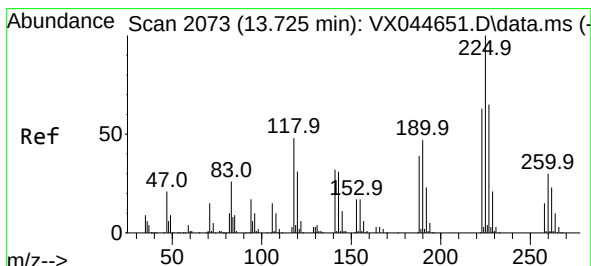
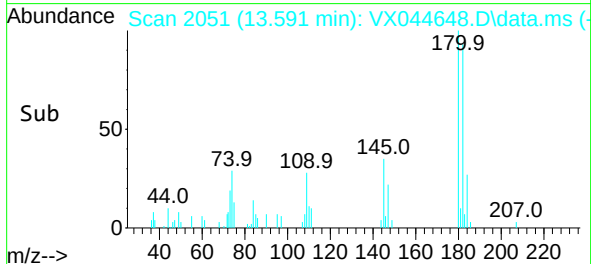
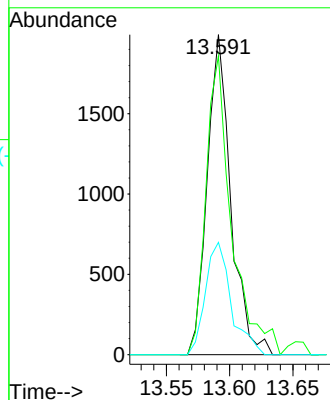
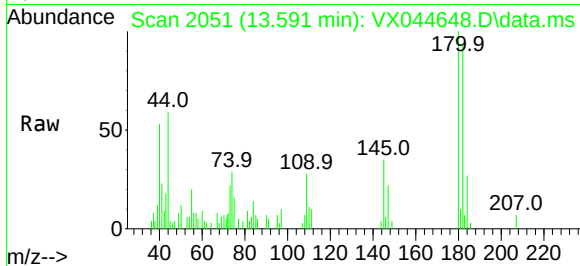




#93
 1,2,4-Trichlorobenzene
 Concen: 0.941 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX044648.D
 Acq: 15 Jan 2025 10:31

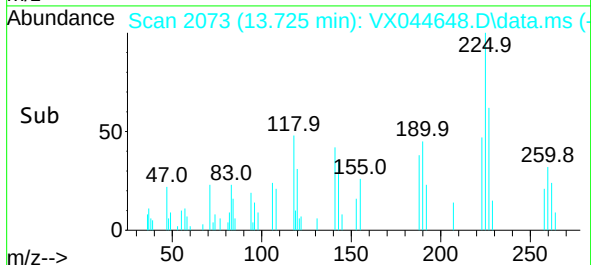
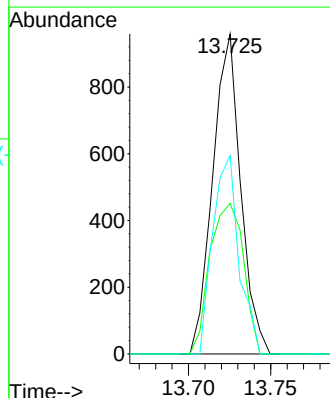
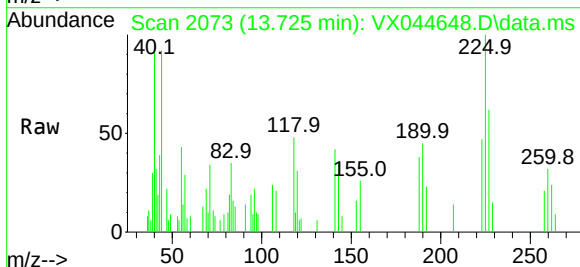
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

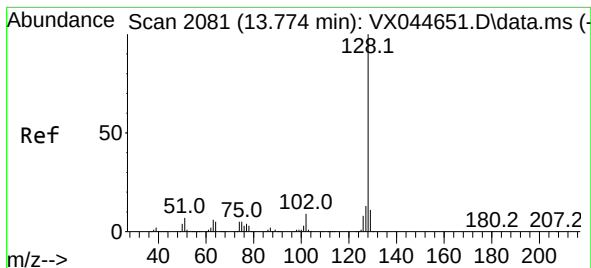
Tgt Ion:180 Resp: 2587
 Ion Ratio Lower Upper
 180 100
 182 101.8 47.4 142.2
 145 38.4 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 1.049 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX044648.D
 Acq: 15 Jan 2025 10:31

Tgt Ion:225 Resp: 1133
 Ion Ratio Lower Upper
 225 100
 223 56.4 31.9 95.7
 227 57.7 31.8 95.4





#95

Naphthalene

Concen: 1.033 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

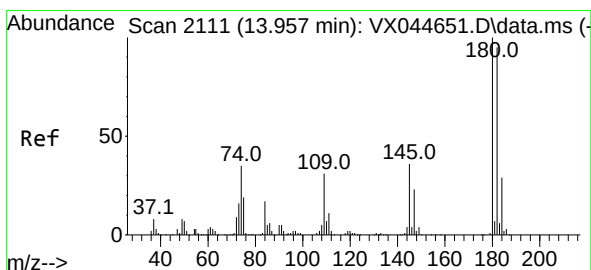
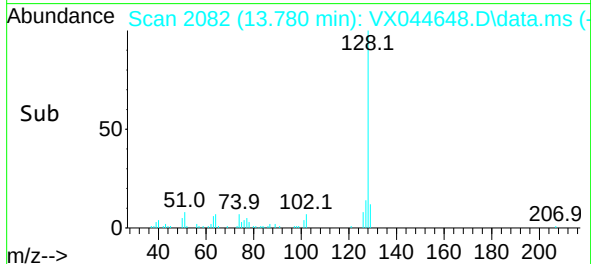
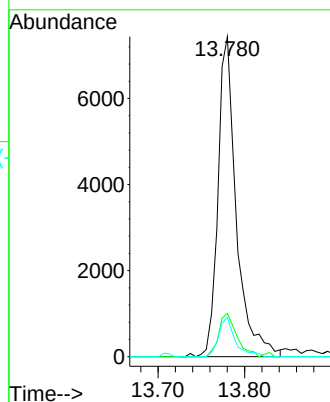
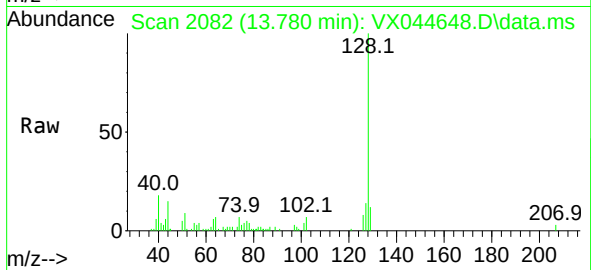
Tgt Ion:128 Resp: 10956

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.1 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.004 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX044648.D

Acq: 15 Jan 2025 10:31

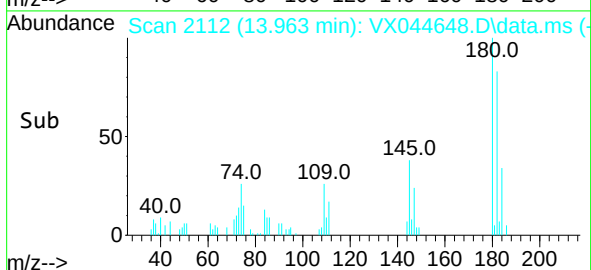
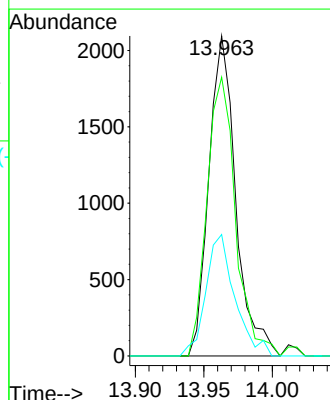
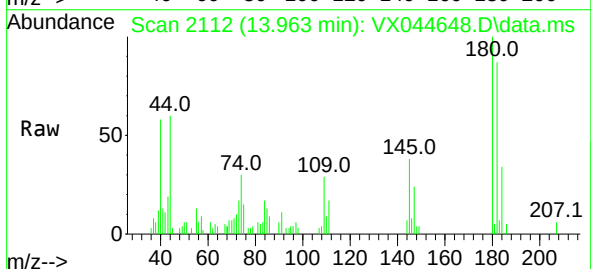
Tgt Ion:180 Resp: 2863

Ion Ratio Lower Upper

180 100

182 92.5 47.2 141.6

145 40.9 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044649.D
 Acq On : 15 Jan 2025 11:17
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Jan 30 04:55:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	194627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	357706	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	300165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	123491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	16795	5.717	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	11.440%#
35) Dibromofluoromethane	5.379	113	12712	5.594	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	11.180%#
50) Toluene-d8	8.647	98	45425	5.733	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	11.460%#
62) 4-Bromofluorobenzene	11.079	95	15909	5.386	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	10.780%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	11790	4.502	ug/l	96
3) Chloromethane	1.301	50	13859	4.893	ug/l	99
4) Vinyl Chloride	1.374	62	13246	4.734	ug/l	97
5) Bromomethane	1.593	94	3303	4.943	ug/l	98
6) Chloroethane	1.660	64	2387	4.652	ug/l #	83
7) Trichlorofluoromethane	1.868	101	14571	4.711	ug/l	95
8) Diethyl Ether	2.136	74	6231	4.992	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	10967	4.717	ug/l	99
10) Methyl Iodide	2.441	142	15920	5.016	ug/l	99
11) Tert butyl alcohol	2.989	59	1981	3.025	ug/l #	1
12) 1,1-Dichloroethene	2.307	96	10636	4.667	ug/l	91
13) Acrolein	2.239	56	11045	35.838	ug/l	95
14) Allyl chloride	2.654	41	21748	4.901	ug/l	97
15) Acrylonitrile	3.069	53	32783	25.521	ug/l	98
16) Acetone	2.386	43	26927	23.167	ug/l	97
17) Carbon Disulfide	2.502	76	30278	4.869	ug/l	97
18) Methyl Acetate	2.703	43	16192	4.516	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	41254	4.998	ug/l	100
20) Methylene Chloride	2.782	84	13610	5.028	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	11813	4.965	ug/l	98
22) Diisopropyl ether	3.764	45	39716	5.149	ug/l	92
23) Vinyl Acetate	3.721	43	175668	26.022	ug/l	99
24) 1,1-Dichloroethane	3.605	63	22655	4.953	ug/l	98
25) 2-Butanone	4.568	43	43210	25.004	ug/l	96
26) 2,2-Dichloropropane	4.465	77	21972	4.957	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	14297	4.777	ug/l	97
28) Bromochloromethane	4.891	49	10785	5.046	ug/l	100
29) Tetrahydrofuran	5.007	42	27602	24.762	ug/l	98
30) Chloroform	5.086	83	23860	5.169	ug/l	93
31) Cyclohexane	5.458	56	18252	4.934	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	20169	4.753	ug/l	99
36) 1,1-Dichloropropene	5.690	75	15040	4.754	ug/l	94
37) Ethyl Acetate	4.721	43	17349	5.150	ug/l	95
38) Carbon Tetrachloride	5.666	117	17983	5.054	ug/l	92
39) Methylcyclohexane	7.373	83	19848	4.727	ug/l	95
40) Benzene	6.038	78	49235	5.023	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044649.D
 Acq On : 15 Jan 2025 11:17
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 30 04:55:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	9920	5.054	ug/l	98
42) 1,2-Dichloroethane	6.086	62	17678	4.941	ug/l	97
43) Isopropyl Acetate	6.342	43	30226	4.877	ug/l	99
44) Trichloroethene	7.123	130	11427	4.849	ug/l	97
45) 1,2-Dichloropropane	7.428	63	12829	5.199	ug/l	97
46) Dibromomethane	7.580	93	9684	5.156	ug/l	94
47) Bromodichloromethane	7.818	83	18964	4.923	ug/l	94
48) Methyl methacrylate	7.696	41	13933	4.844	ug/l	97
49) 1,4-Dioxane	7.677	88	5674	94.542	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	87503	25.551	ug/l	98
52) Toluene	8.714	92	30892	5.149	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	19714	4.954	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	21054	4.879	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	12227	5.037	ug/l	99
56) Ethyl methacrylate	9.116	69	20596	4.935	ug/l	96
57) 1,3-Dichloropropane	9.305	76	21253	5.142	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	50319	24.557	ug/l	100
59) 2-Hexanone	9.433	43	63985	25.395	ug/l	100
60) Dibromochloromethane	9.519	129	14553	5.108	ug/l	99
61) 1,2-Dibromoethane	9.610	107	12916	5.077	ug/l	97
64) Tetrachloroethene	9.269	164	9274	4.920	ug/l	93
65) Chlorobenzene	10.073	112	32572	5.109	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	11955	5.160	ug/l	98
67) Ethyl Benzene	10.189	91	55208	4.963	ug/l	98
68) m/p-Xylenes	10.299	106	41816	10.129	ug/l	99
69) o-Xylene	10.640	106	21392	5.124	ug/l	96
70) Styrene	10.653	104	34407	5.105	ug/l	98
71) Bromoform	10.799	173	9452	5.012	ug/l #	97
73) Isopropylbenzene	10.963	105	52599	5.214	ug/l	100
74) N-amyl acetate	10.842	43	25282	5.084	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	18645	5.351	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	22270	7.431	ug/l	80
77) Bromobenzene	11.201	156	12158	5.156	ug/l	96
78) n-propylbenzene	11.305	91	53913	4.846	ug/l	99
79) 2-Chlorotoluene	11.366	91	36602	5.093	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	43488	5.295	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	6607	5.042	ug/l	95
82) 4-Chlorotoluene	11.451	91	39763	5.051	ug/l	99
83) tert-Butylbenzene	11.713	119	45606	5.311	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	41737	5.001	ug/l	99
85) sec-Butylbenzene	11.890	105	49858	4.987	ug/l	99
86) p-Isopropyltoluene	12.006	119	41214	5.016	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	20268	4.956	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	20555	4.972	ug/l	93
89) n-Butylbenzene	12.329	91	33505	4.747	ug/l	98
90) Hexachloroethane	12.536	117	9325	5.012	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	21690	5.165	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4384	5.145	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	11649	4.640	ug/l	99
94) Hexachlorobutadiene	13.725	225	4738	4.804	ug/l	99
95) Naphthalene	13.774	128	46418	4.794	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	12258	4.710	ug/l	96

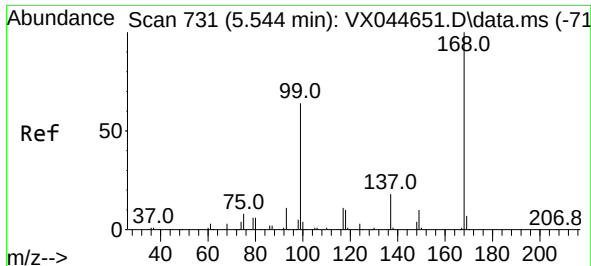
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Data File : VX044649.D
Acq On : 15 Jan 2025 11:17
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Jan 30 04:55:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

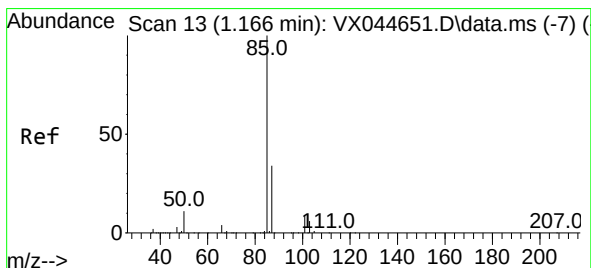
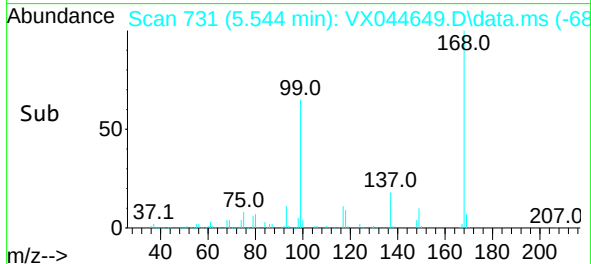
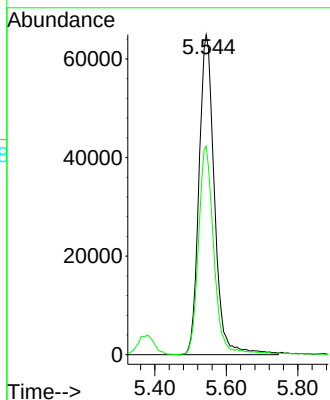
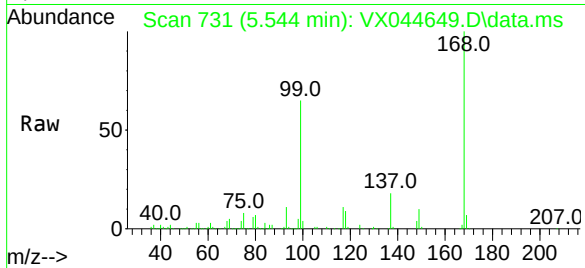
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

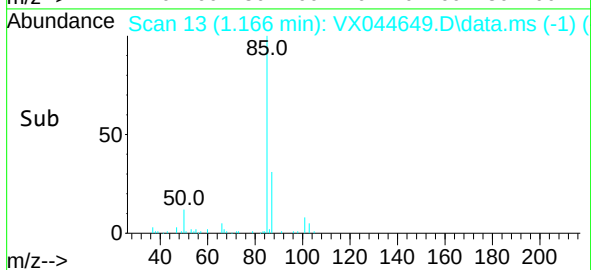
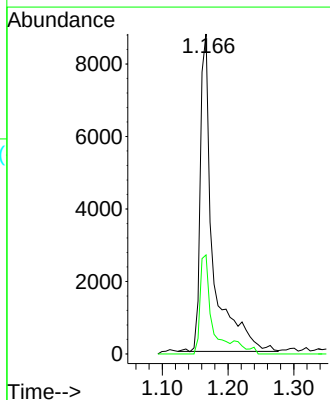
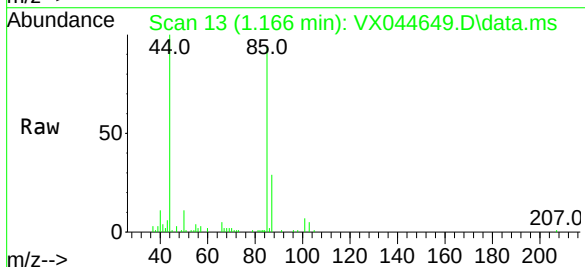
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

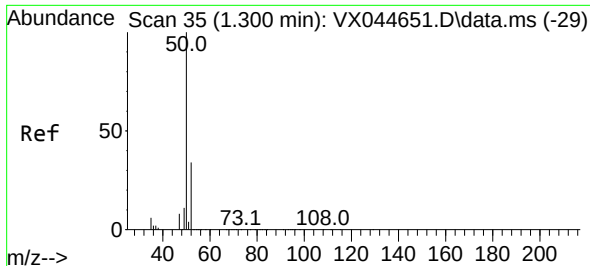
Tgt Ion:168 Resp: 194627
Ion Ratio Lower Upper
168 100
99 65.0 51.1 76.7



#2
Dichlorodifluoromethane
Concen: 4.502 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 85 Resp: 11790
Ion Ratio Lower Upper
85 100
87 31.2 16.8 50.4

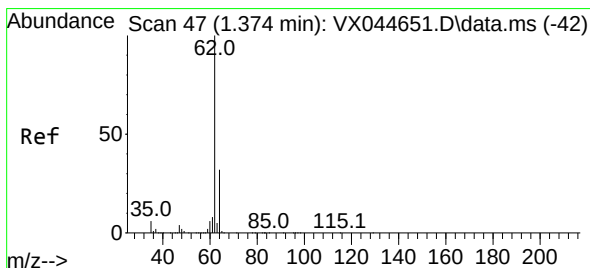
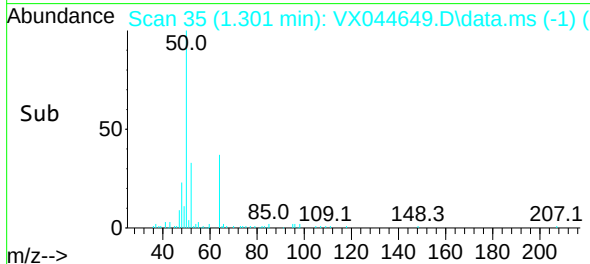
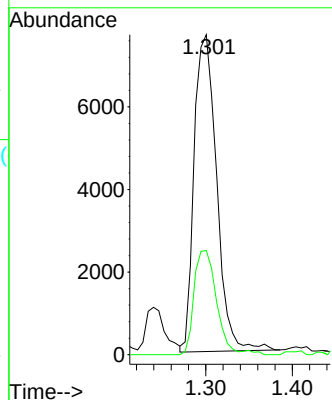
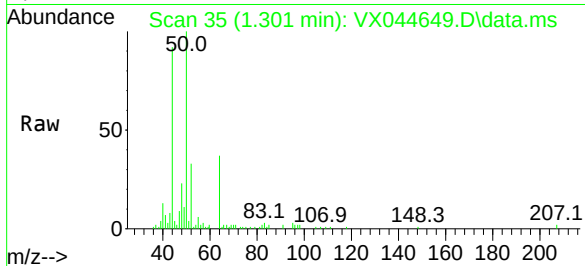




#3
Chloromethane
Concen: 4.893 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

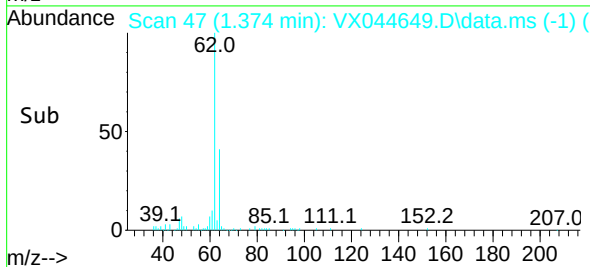
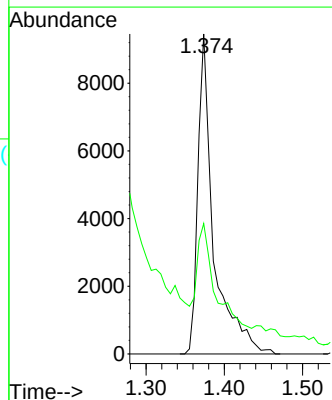
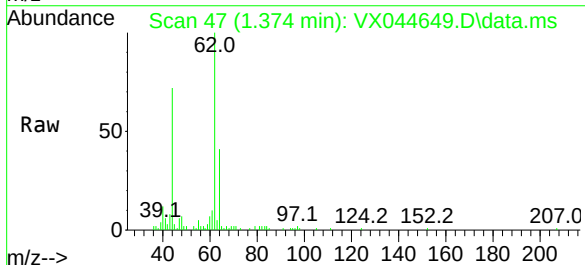
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

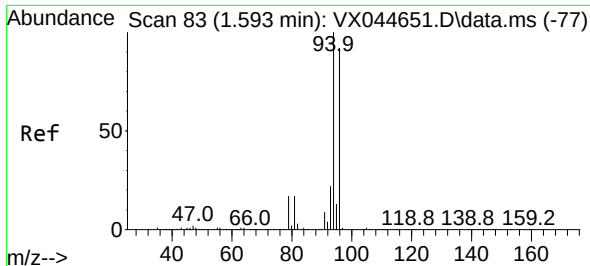
Tgt Ion: 50 Resp: 13859
Ion Ratio Lower Upper
50 100
52 33.0 27.0 40.4



#4
Vinyl Chloride
Concen: 4.734 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 62 Resp: 13246
Ion Ratio Lower Upper
62 100
64 35.1 26.6 39.8

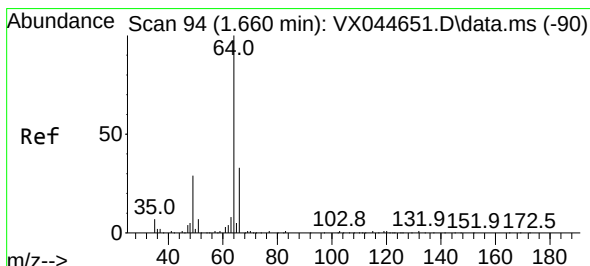
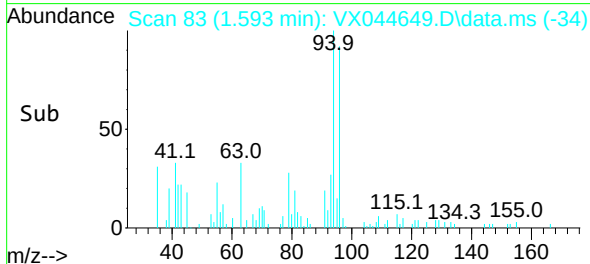
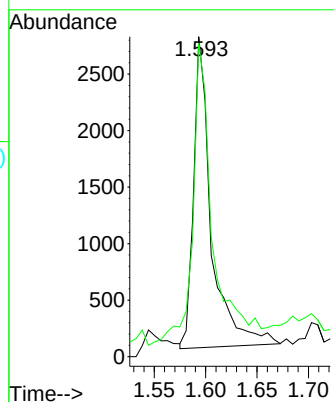
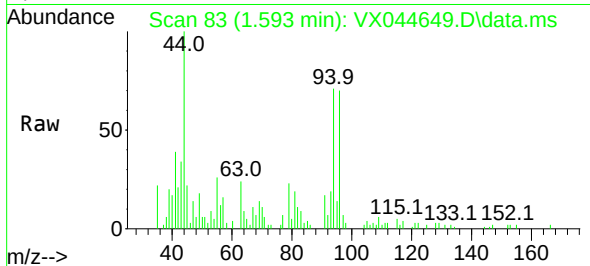




#5
Bromomethane
Concen: 4.943 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

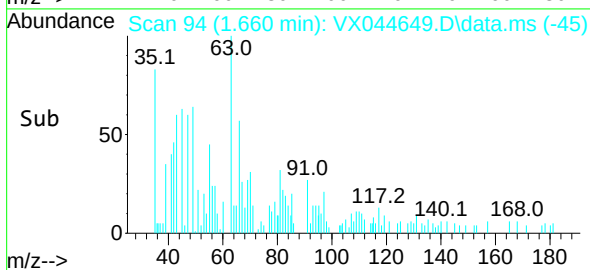
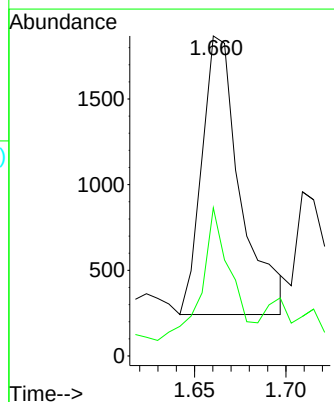
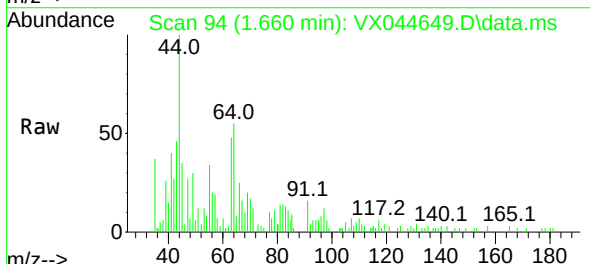
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

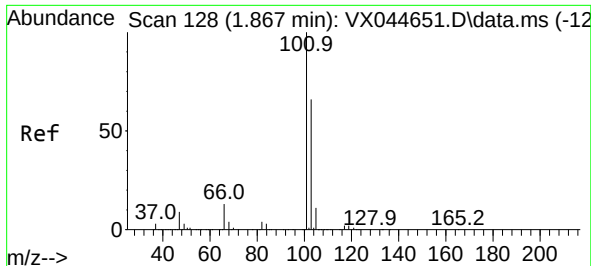
Tgt Ion: 94 Resp: 3303
Ion Ratio Lower Upper
94 100
96 92.5 72.8 109.2



#6
Chloroethane
Concen: 4.652 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 64 Resp: 2387
Ion Ratio Lower Upper
64 100
66 42.6 26.6 39.8#

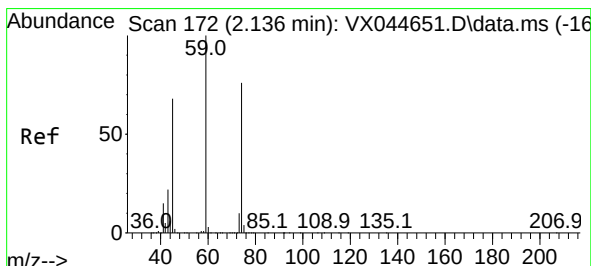
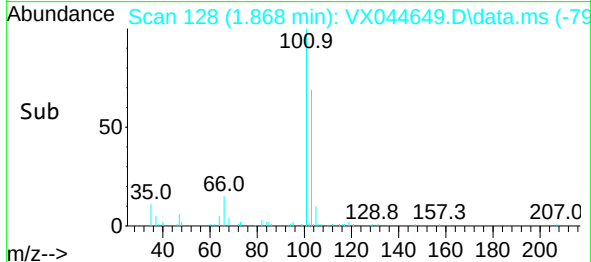
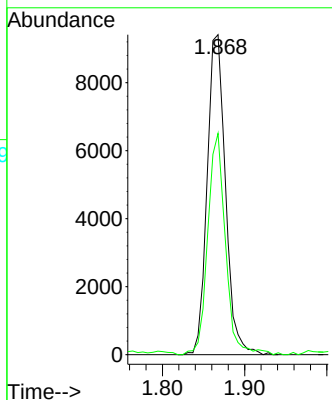
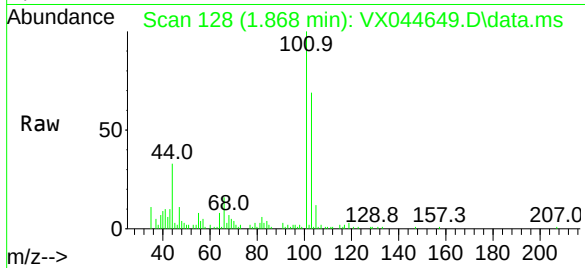




#7
 Trichlorofluoromethane
 Concen: 4.711 ug/l
 RT: 1.868 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044649.D
 Acq: 15 Jan 2025 11:17

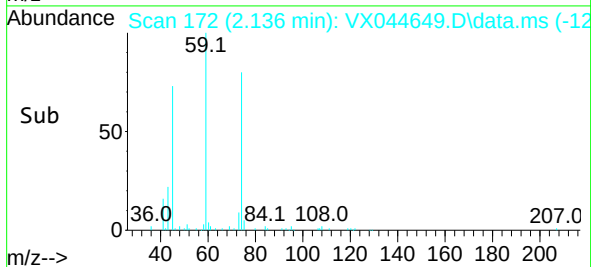
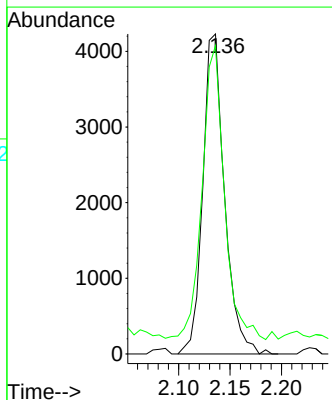
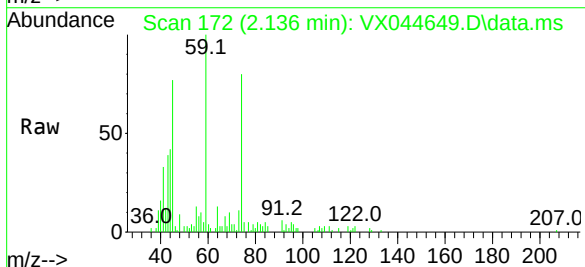
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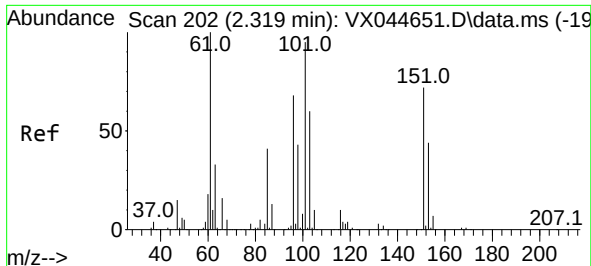
Tgt Ion:101 Resp: 14571
 Ion Ratio Lower Upper
 101 100
 103 69.2 52.5 78.7



#8
 Diethyl Ether
 Concen: 4.992 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. 0.000 min
 Lab File: VX044649.D
 Acq: 15 Jan 2025 11:17

Tgt Ion: 74 Resp: 6231
 Ion Ratio Lower Upper
 74 100
 45 93.9 47.1 141.3

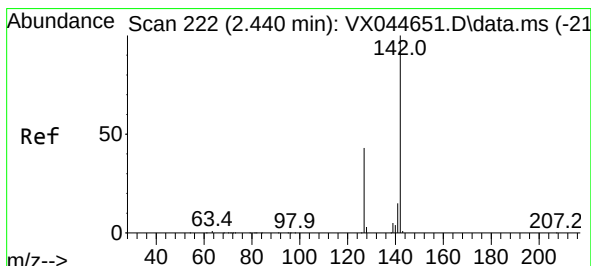
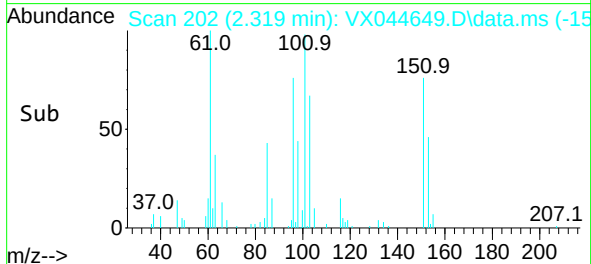
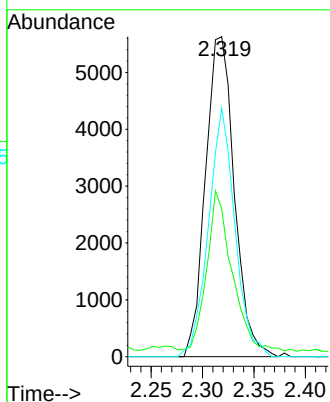
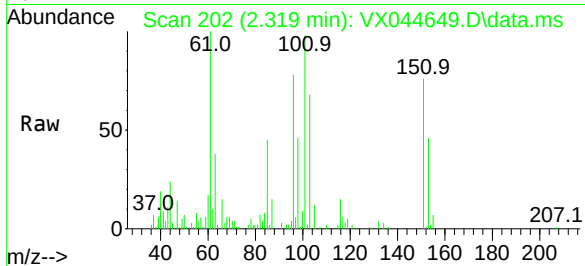




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.717 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

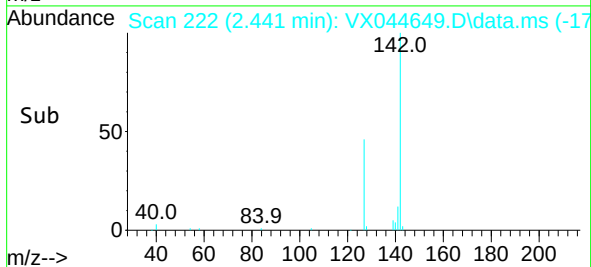
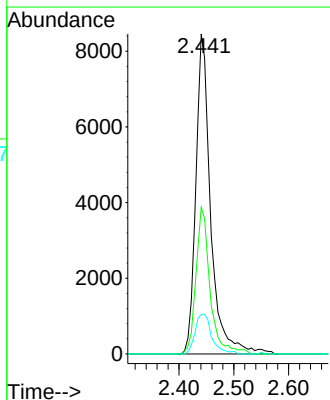
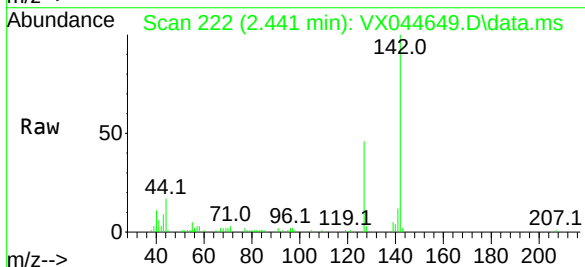
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

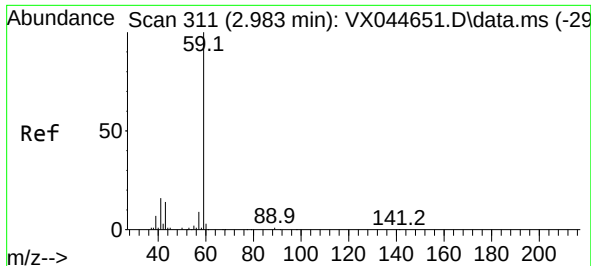
Tgt Ion:101 Resp: 10967
Ion Ratio Lower Upper
101 100
85 44.0 35.3 52.9
151 71.6 58.2 87.4



#10
Methyl Iodide
Concen: 5.016 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:142 Resp: 15920
Ion Ratio Lower Upper
142 100
127 43.8 35.0 52.4
141 13.9 11.7 17.5

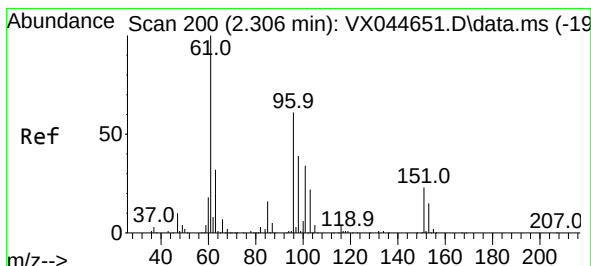
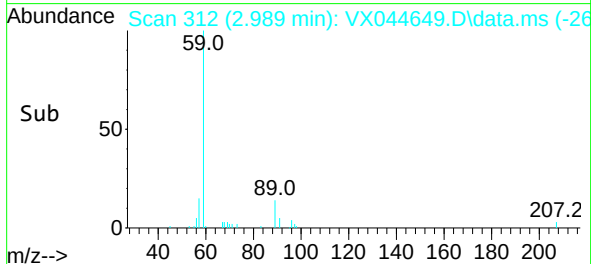
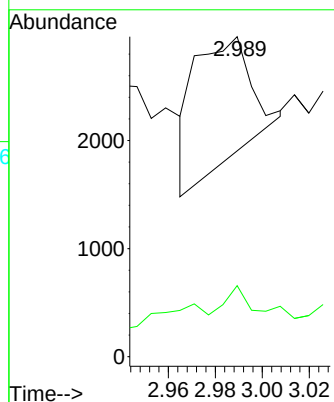
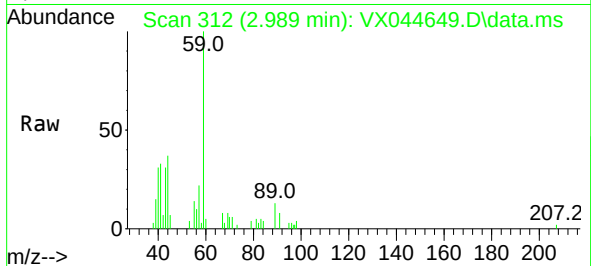




#11
Tert butyl alcohol
Concen: 3.025 ug/l
RT: 2.989 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

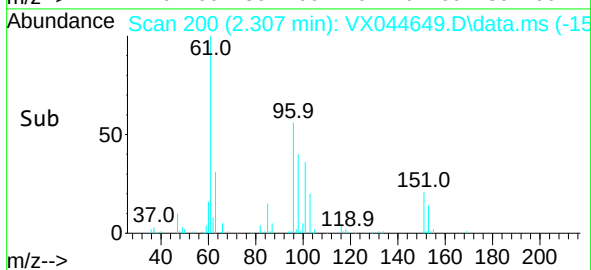
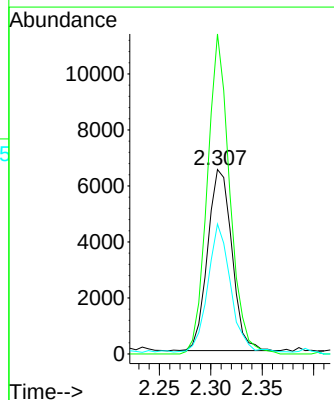
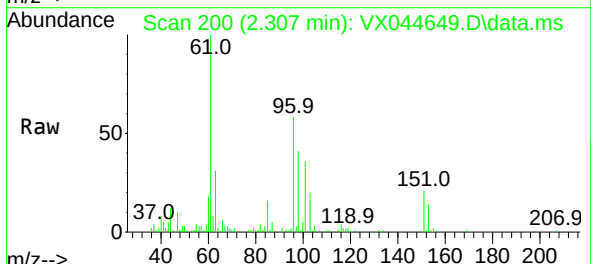
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

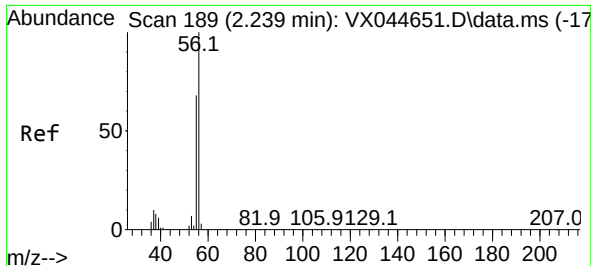
Tgt Ion: 59 Resp: 1981
Ion Ratio Lower Upper
59 100
57 61.3 3.9 5.9#



#12
1,1-Dichloroethene
Concen: 4.667 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 96 Resp: 10636
Ion Ratio Lower Upper
96 100
61 176.8 131.1 196.7
98 70.5 51.2 76.8

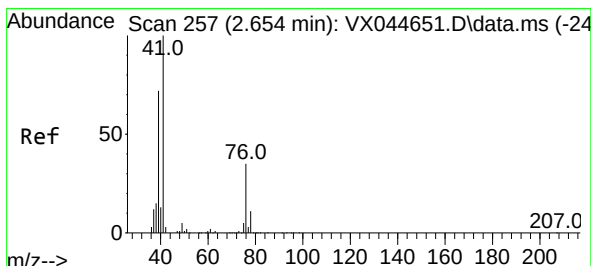
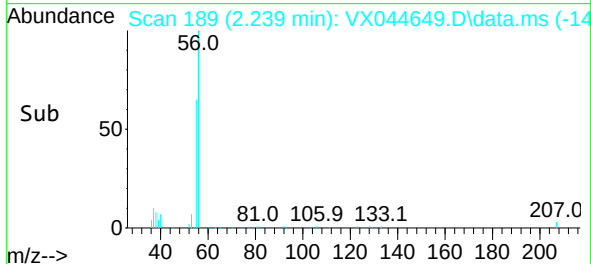
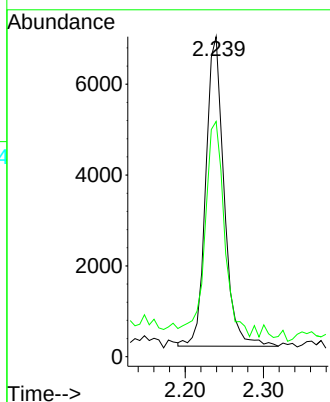
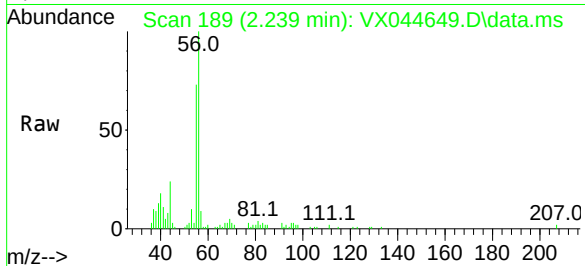




#13
Acrolein
Concen: 35.838 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

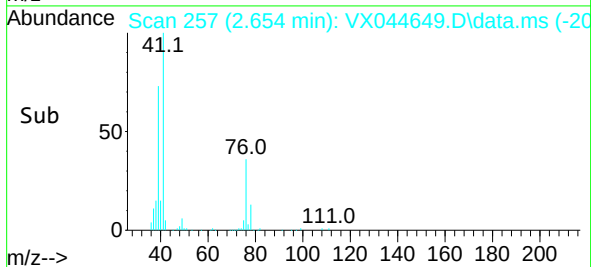
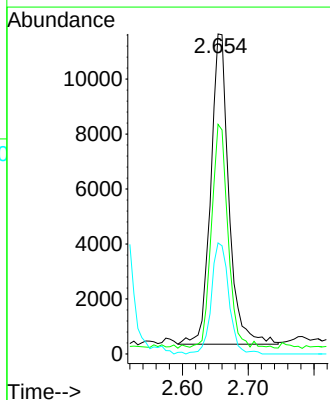
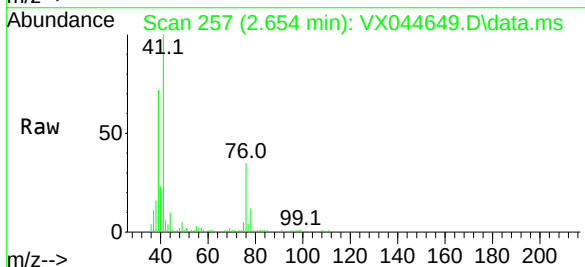
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

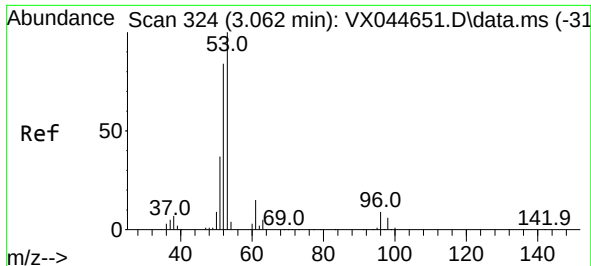
Tgt Ion: 56 Resp: 11045
Ion Ratio Lower Upper
56 100
55 72.7 55.1 82.7



#14
Allyl chloride
Concen: 4.901 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 41 Resp: 21748
Ion Ratio Lower Upper
41 100
39 65.4 54.9 82.3
76 34.4 28.4 42.6

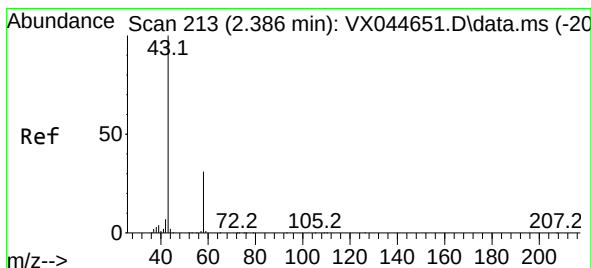
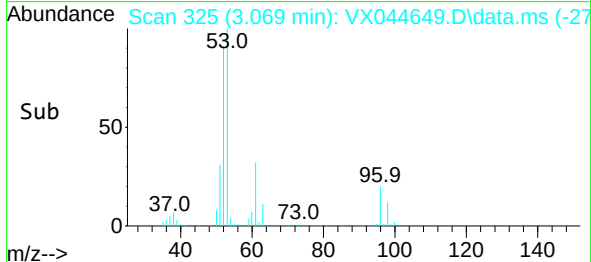
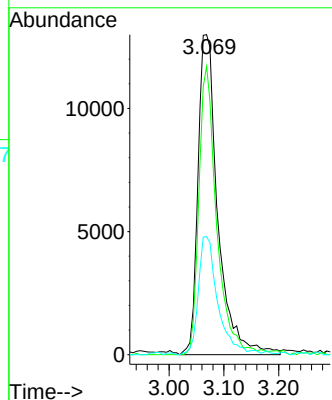
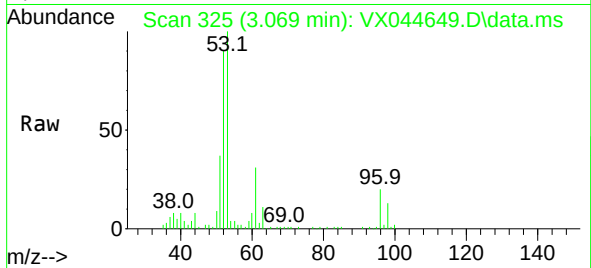




#15
Acrylonitrile
Concen: 25.521 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

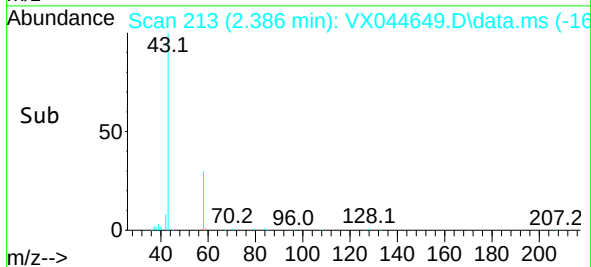
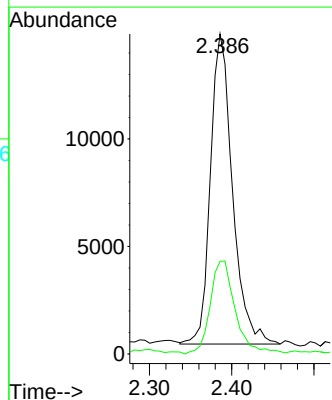
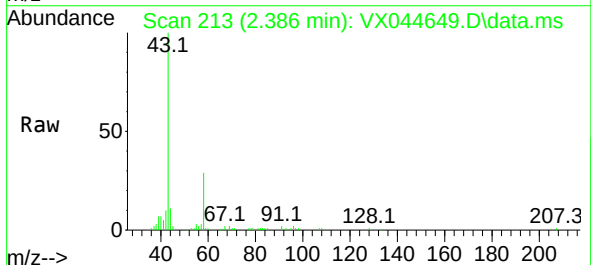
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

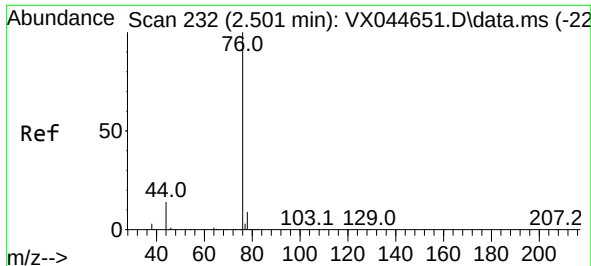
Tgt Ion: 53 Resp: 32783
Ion Ratio Lower Upper
53 100
52 80.5 66.0 99.0
51 35.8 28.9 43.3



#16
Acetone
Concen: 23.167 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 43 Resp: 26927
Ion Ratio Lower Upper
43 100
58 29.2 24.6 37.0

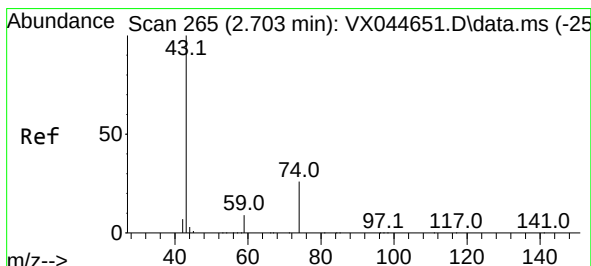
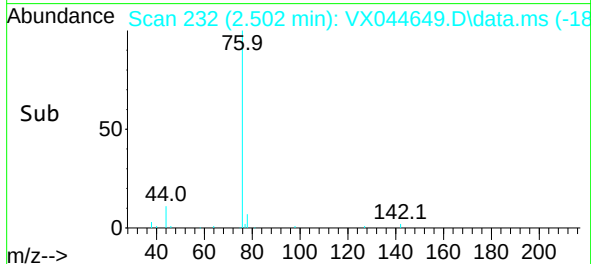
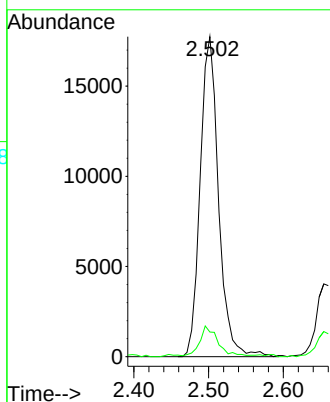
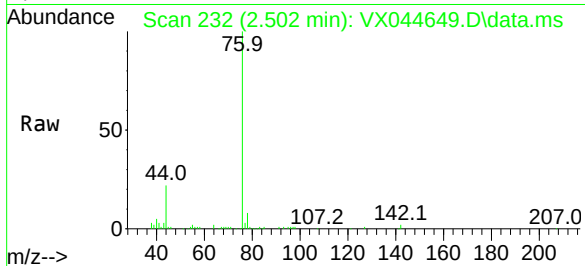




#17
Carbon Disulfide
Concen: 4.869 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

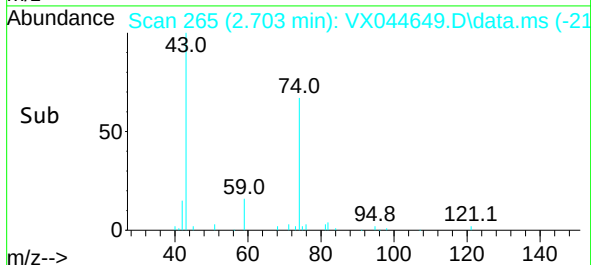
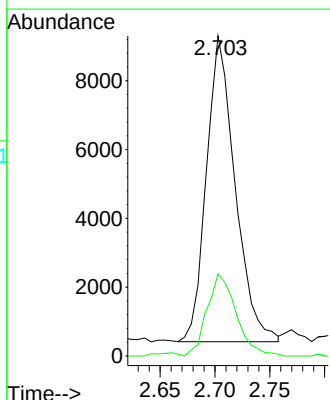
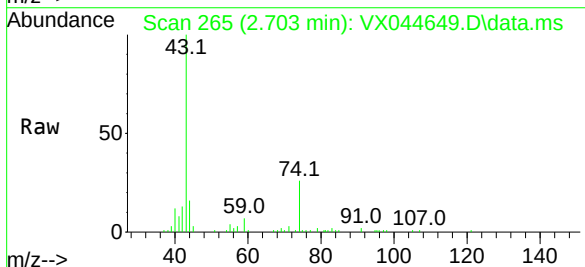
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

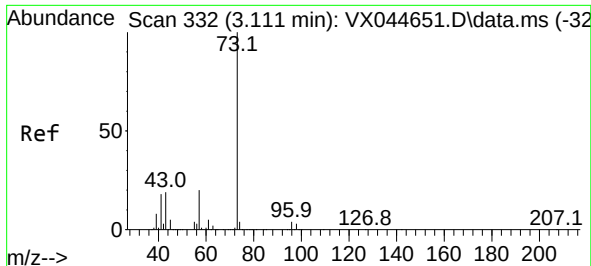
Tgt Ion: 76 Resp: 30278
Ion Ratio Lower Upper
76 100
78 7.7 7.1 10.7



#18
Methyl Acetate
Concen: 4.516 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 43 Resp: 16192
Ion Ratio Lower Upper
43 100
74 27.3 19.8 29.8

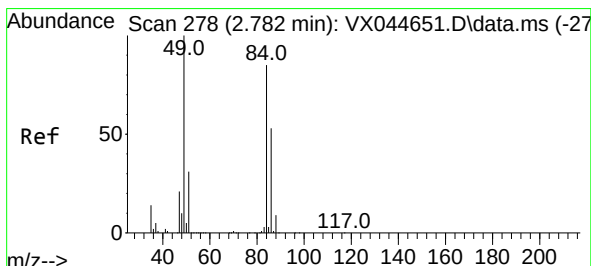
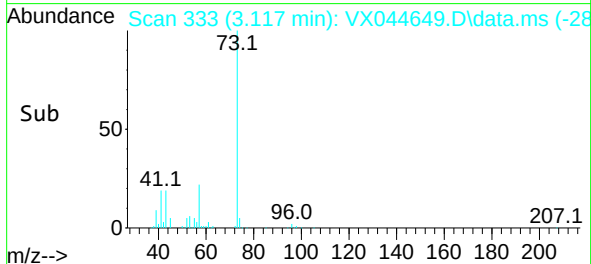
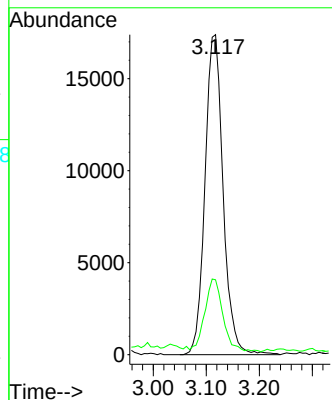
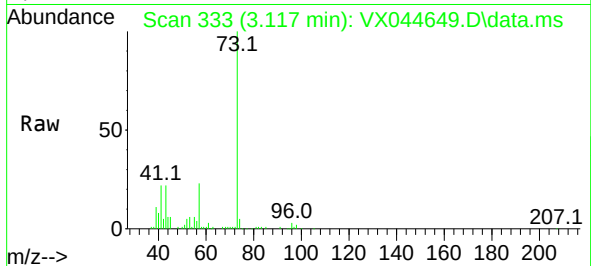




#19
Methyl tert-butyl Ether
Concen: 4.998 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

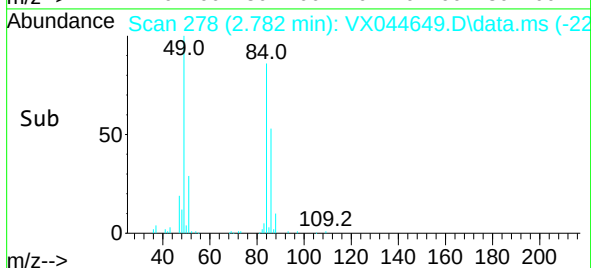
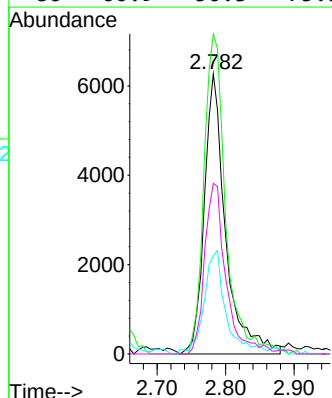
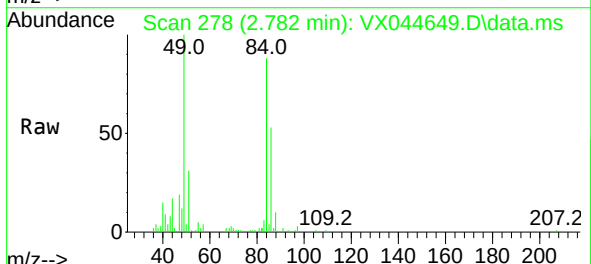
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

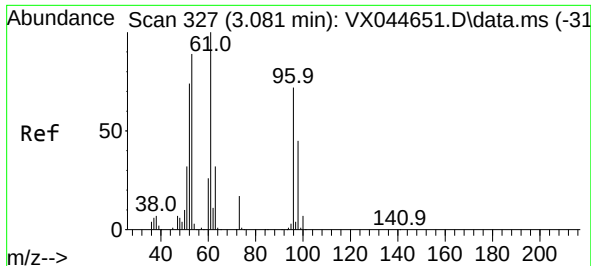
Tgt Ion: 73 Resp: 41254
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.0



#20
Methylene Chloride
Concen: 5.028 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 84 Resp: 13610
Ion Ratio Lower Upper
84 100
49 114.2 94.2 141.4
51 33.5 28.8 43.2
86 60.9 50.3 75.5

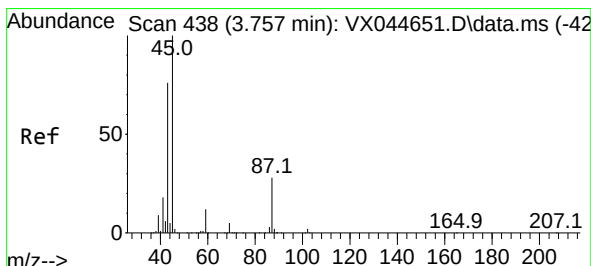
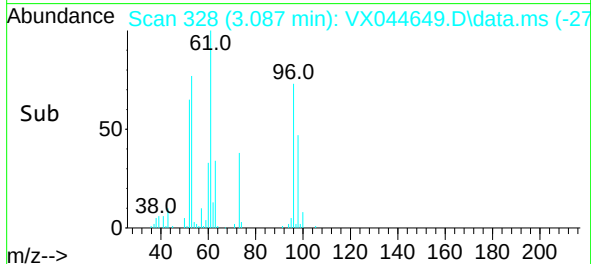
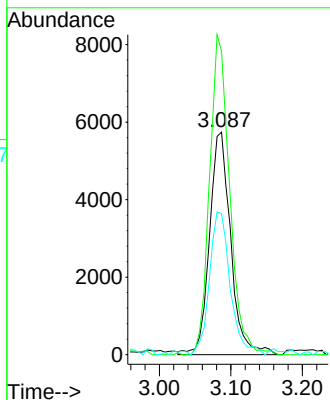
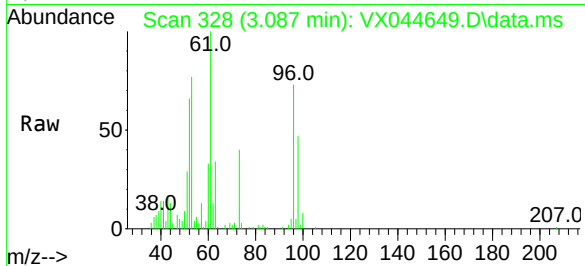




#21
trans-1,2-Dichloroethene
Concen: 4.965 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

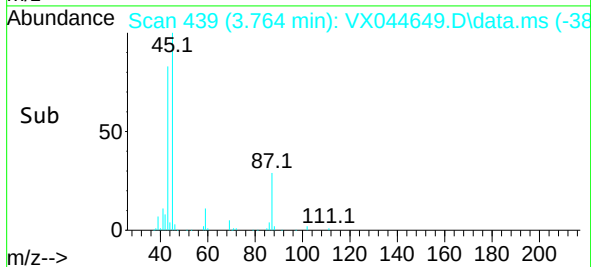
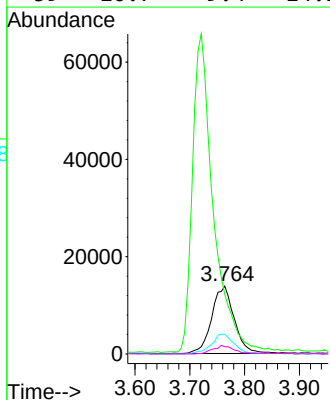
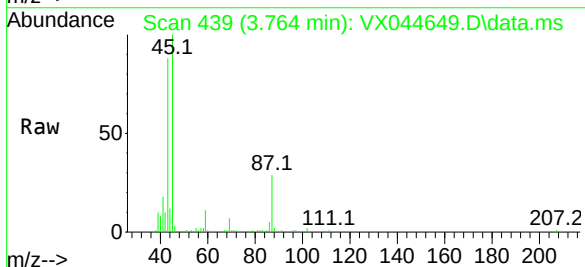
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

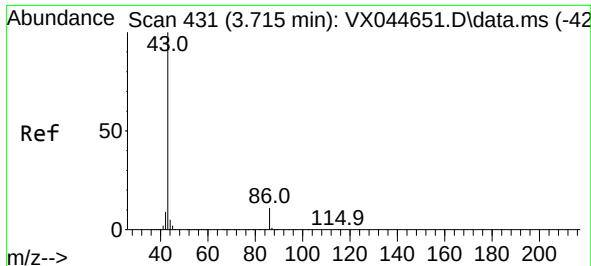
Tgt Ion: 96 Resp: 11813
Ion Ratio Lower Upper
96 100
61 136.3 111.0 166.6
98 62.3 50.2 75.2



#22
Diisopropyl ether
Concen: 5.149 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 45 Resp: 39716
Ion Ratio Lower Upper
45 100
43 85.7 61.0 91.6
87 29.1 22.7 34.1
59 10.7 9.4 14.2

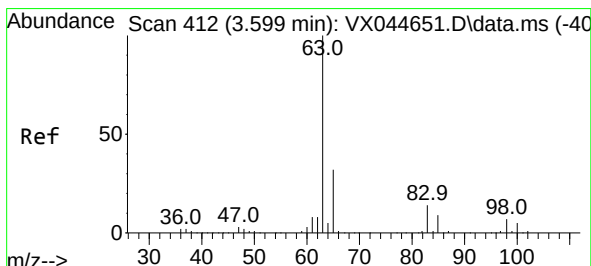
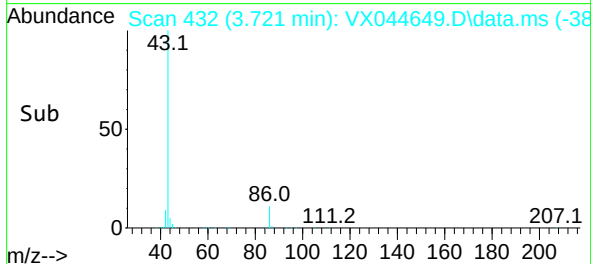
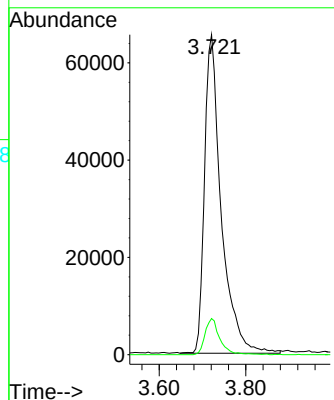
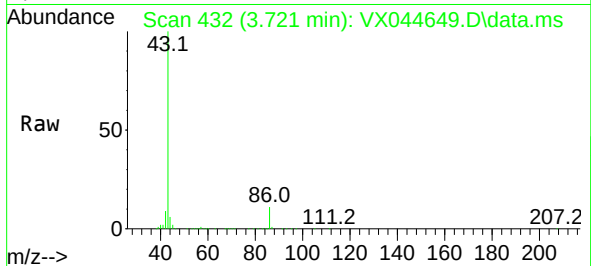




#23
 Vinyl Acetate
 Concen: 26.022 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX044649.D
 Acq: 15 Jan 2025 11:17

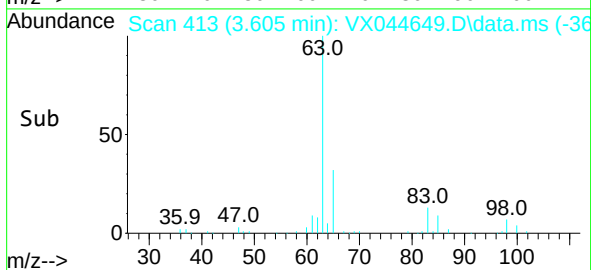
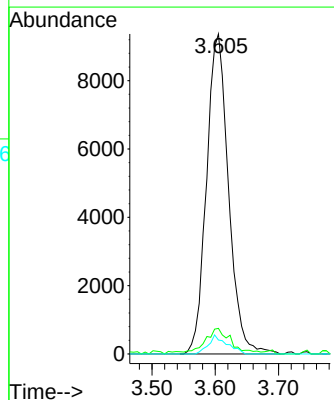
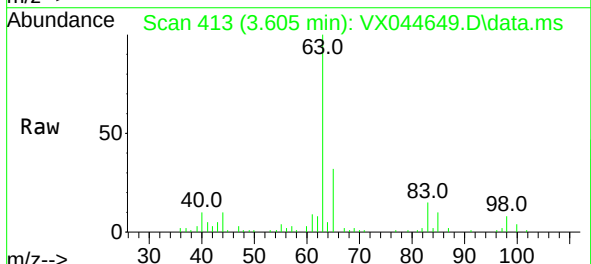
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

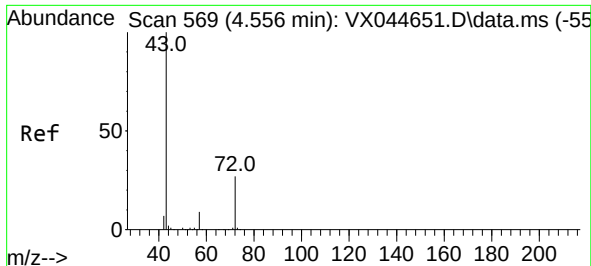
Tgt Ion: 43 Resp: 175668
 Ion Ratio Lower Upper
 43 100
 86 11.3 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 4.953 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX044649.D
 Acq: 15 Jan 2025 11:17

Tgt Ion: 63 Resp: 22655
 Ion Ratio Lower Upper
 63 100
 98 8.0 3.6 10.9
 100 4.4 2.5 7.5

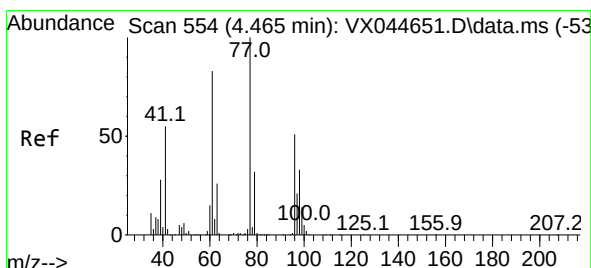
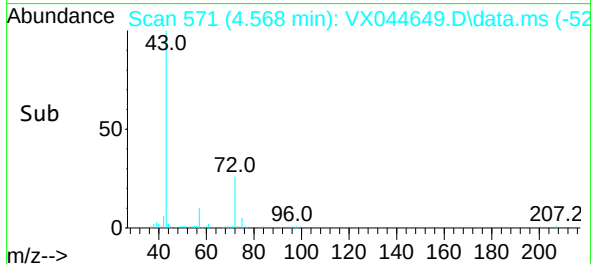
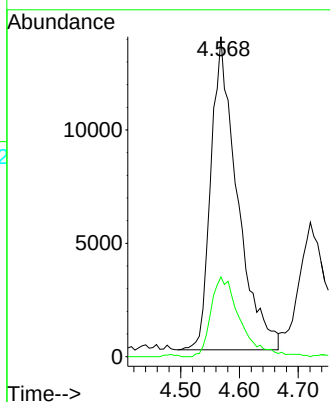
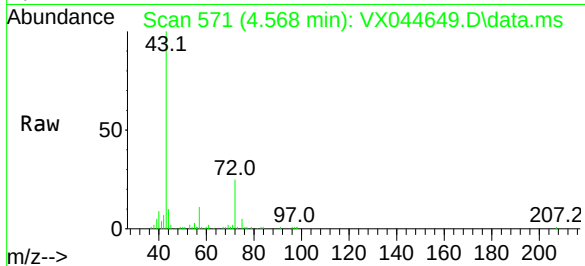




#25
2-Butanone
Concen: 25.004 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

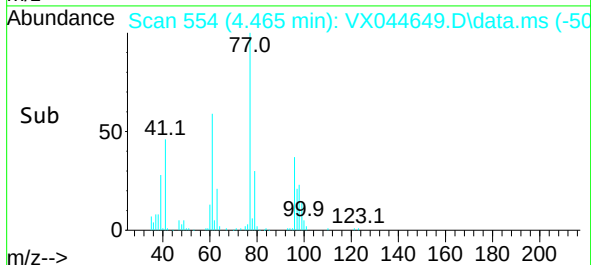
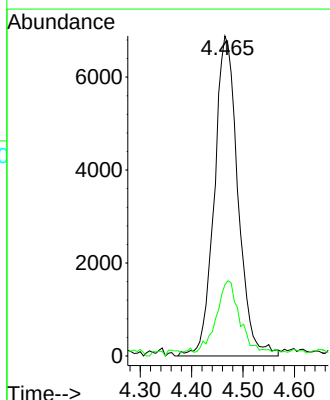
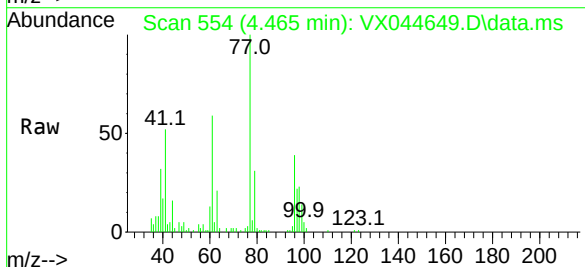
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

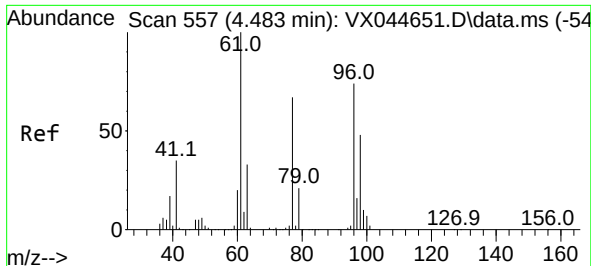
Tgt Ion: 43 Resp: 43210
Ion Ratio Lower Upper
43 100
72 25.0 21.7 32.5



#26
2,2-Dichloropropane
Concen: 4.957 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 77 Resp: 21972
Ion Ratio Lower Upper
77 100
97 22.5 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 4.777 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

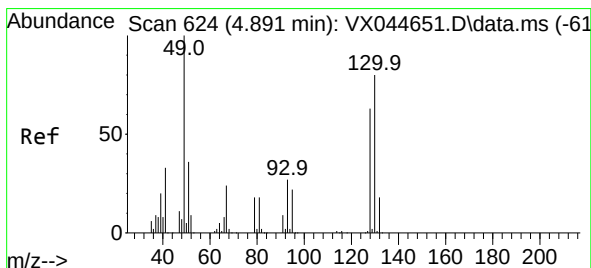
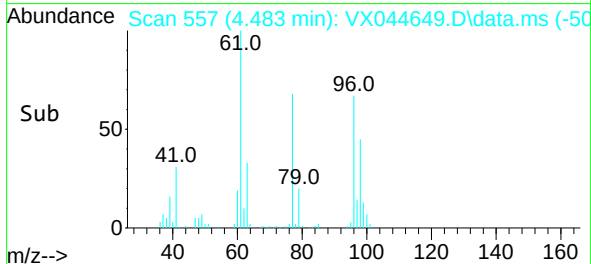
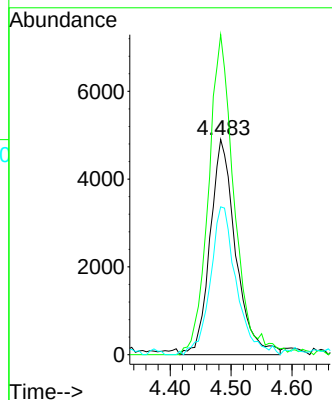
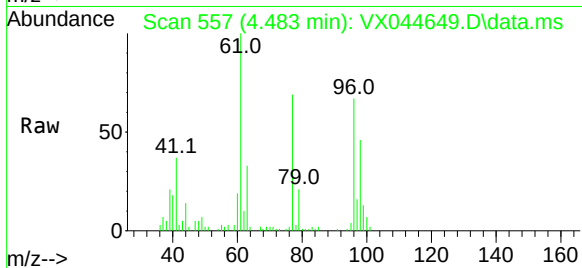
Tgt Ion: 96 Resp: 14297

Ion Ratio Lower Upper

96 100

61 149.1 0.0 296.0

98 70.1 0.0 130.0



#28

Bromochloromethane

Concen: 5.046 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

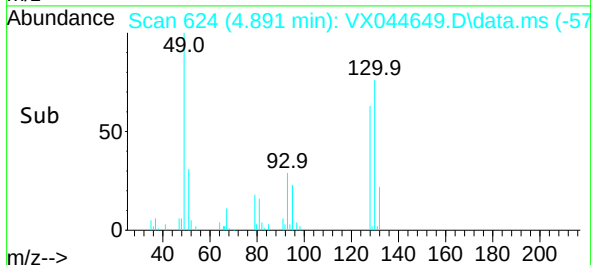
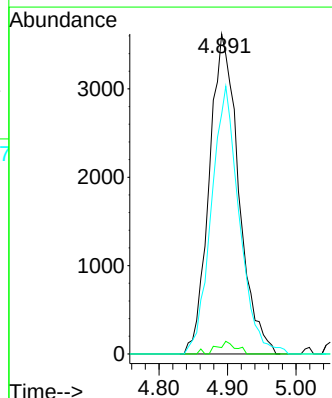
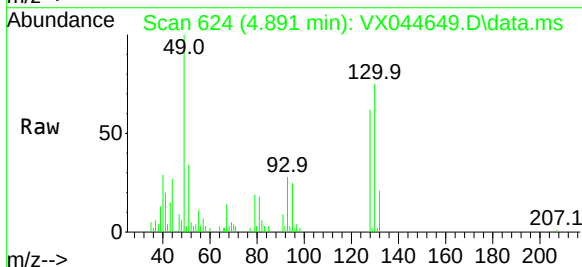
Tgt Ion: 49 Resp: 10785

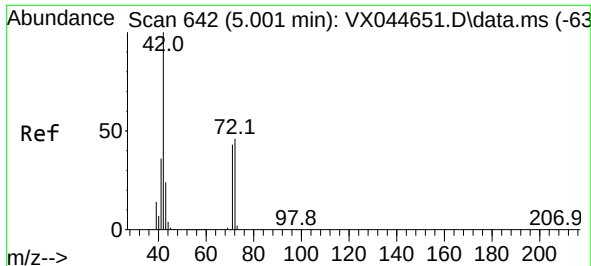
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.4

130 79.7 63.4 95.2





#29

Tetrahydrofuran

Concen: 24.762 ug/l

RT: 5.007 min Scan# 642

Delta R.T. 0.006 min

Lab File: VX044649.D

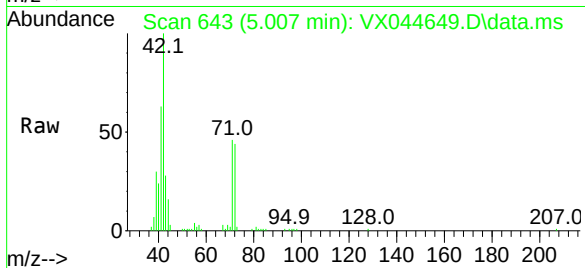
Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005



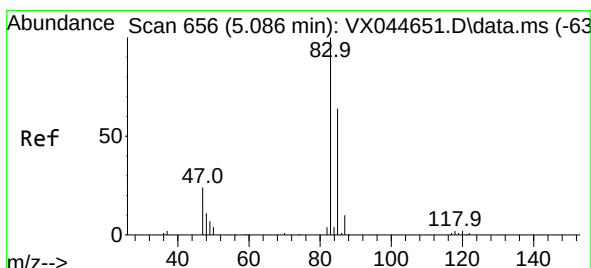
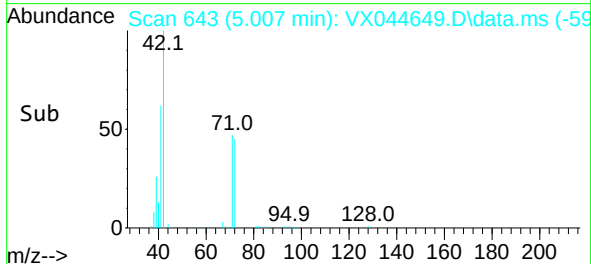
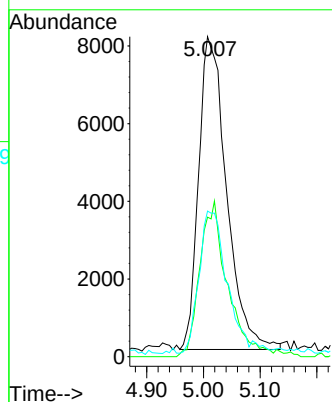
Tgt Ion: 42 Resp: 27602

Ion	Ratio	Lower	Upper

42	100		

72	48.8	38.2	57.4

71	46.1	35.3	52.9



#30

Chloroform

Concen: 5.169 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044649.D

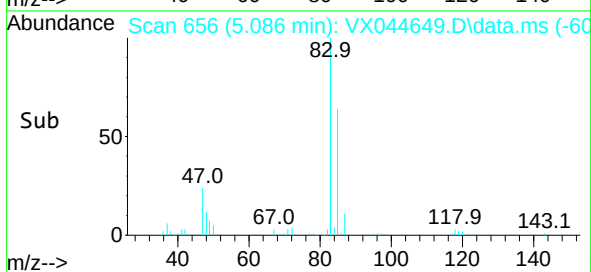
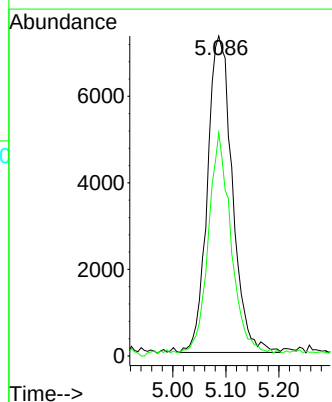
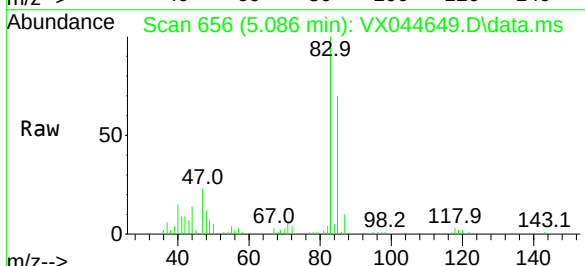
Acq: 15 Jan 2025 11:17

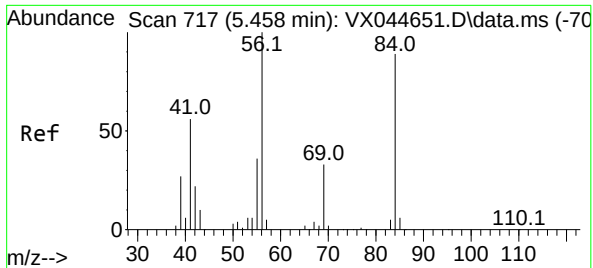
Tgt Ion: 83 Resp: 23860

Ion	Ratio	Lower	Upper

83	100		

85	69.4	51.2	76.8

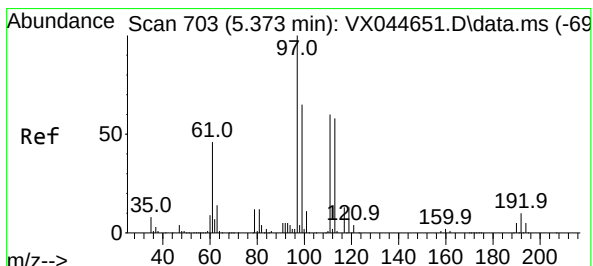
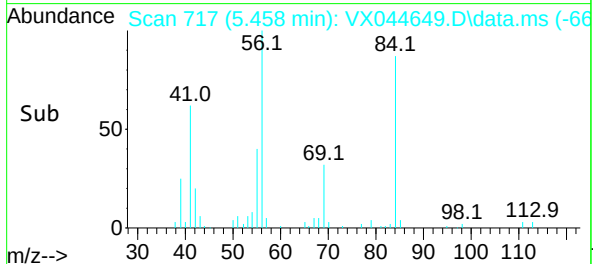
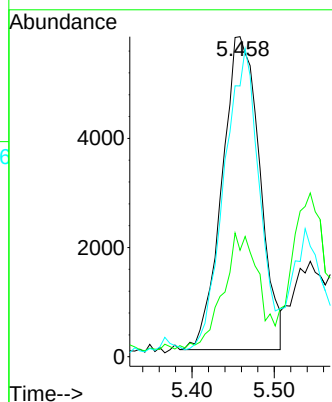
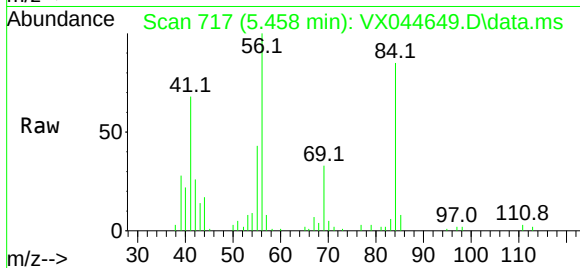




#31
Cyclohexane
Concen: 4.934 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

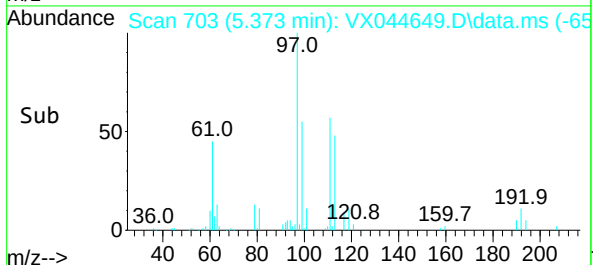
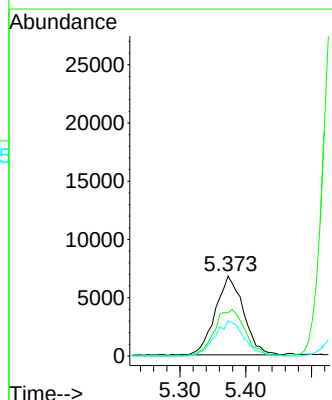
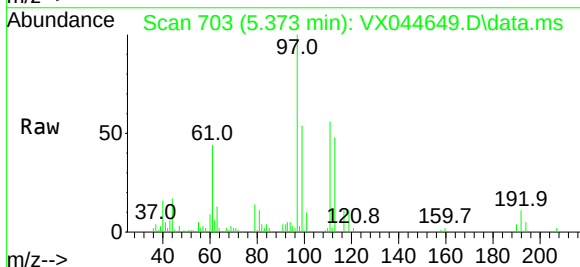
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

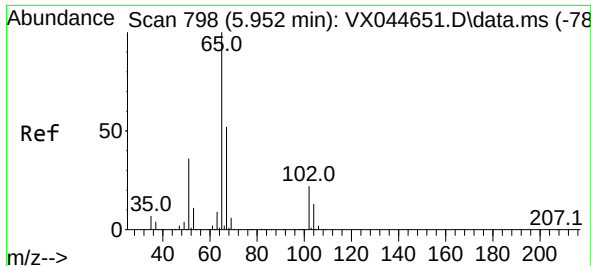
Tgt Ion:	56	Resp:	18252
Ion	Ratio	Lower	Upper
56	100		
69	30.5	26.8	40.2
84	83.4	71.0	106.4



#32
1,1,1-Trichloroethane
Concen: 4.753 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:	97	Resp:	20169
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	45.9	35.6	53.4





#33

1,2-Dichloroethane-d4

Concen: 5.717 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

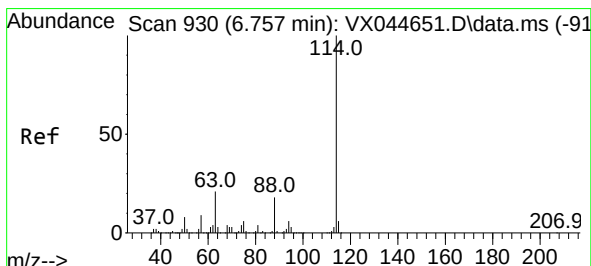
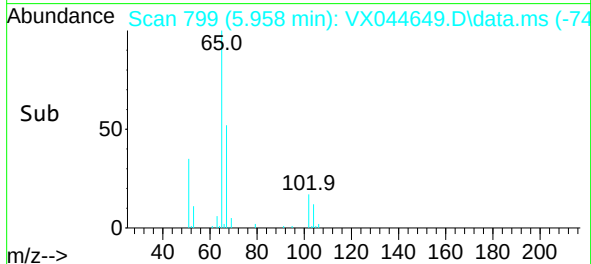
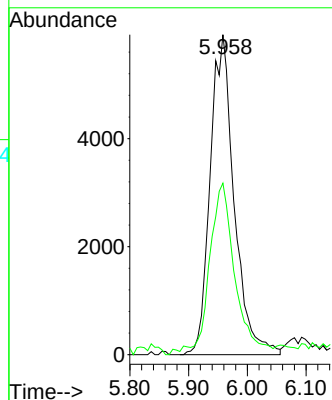
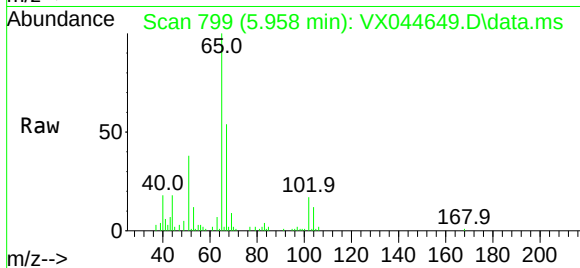
VSTDIC005

Tgt Ion: 65 Resp: 16795

Ion Ratio Lower Upper

65 100

67 56.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

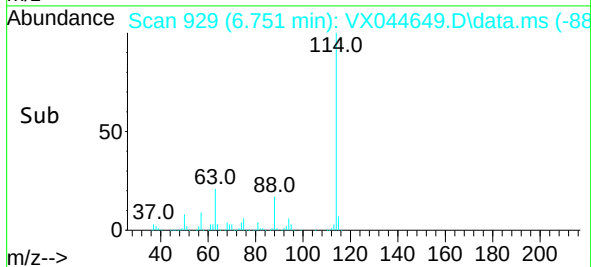
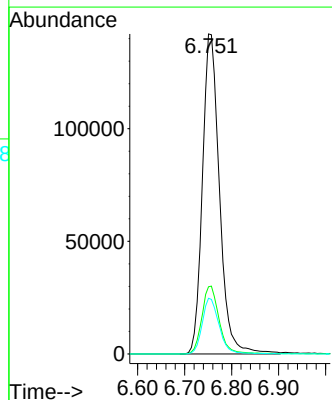
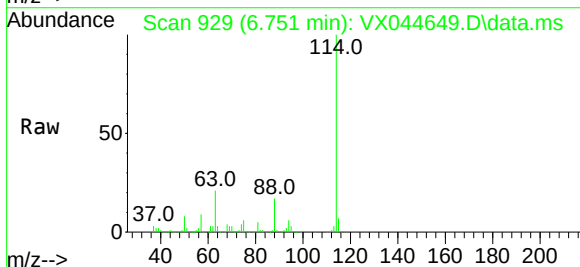
Tgt Ion: 114 Resp: 357706

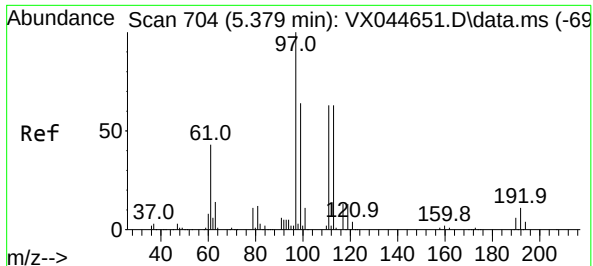
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.0

88 17.4 0.0 35.4

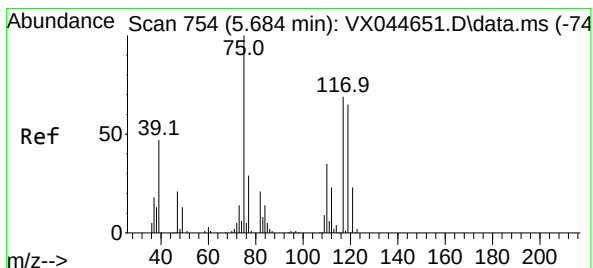
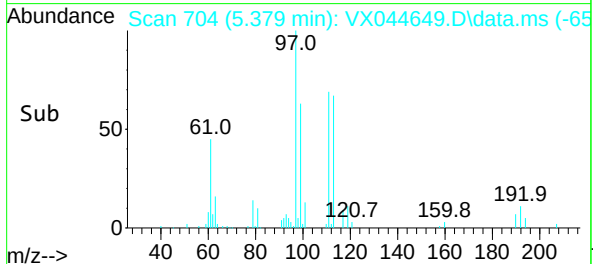
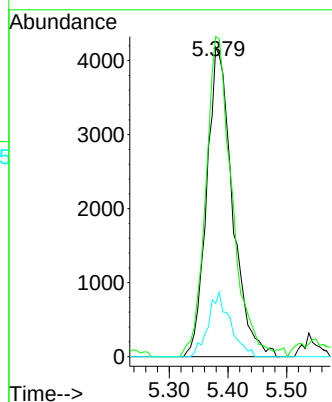
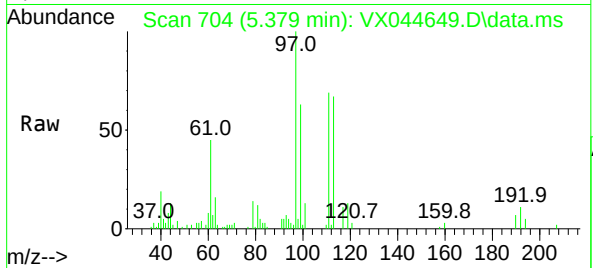




#35
Dibromofluoromethane
Concen: 5.594 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

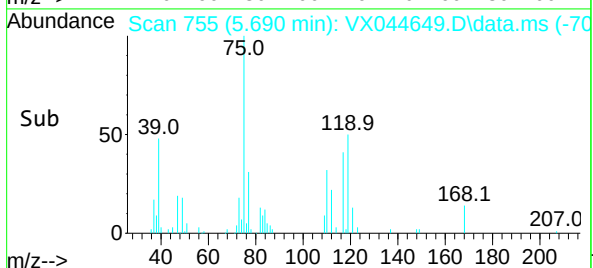
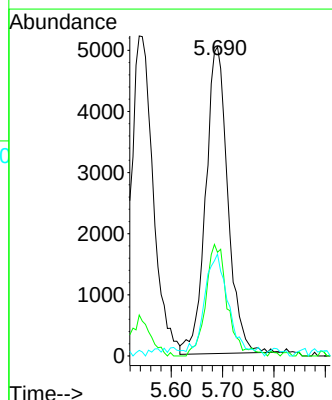
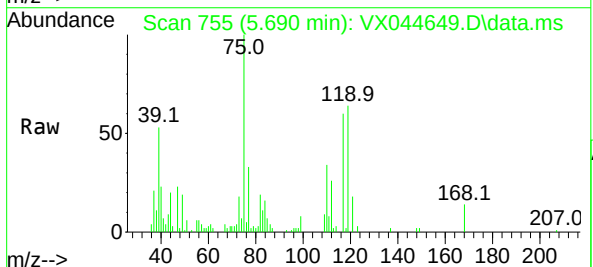
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

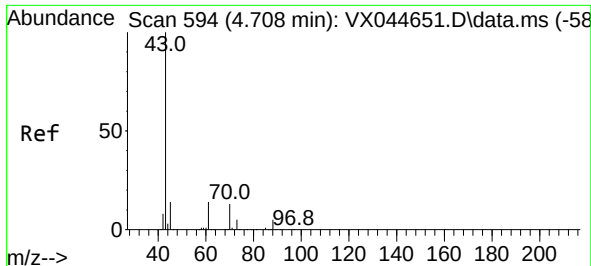
Tgt Ion:113 Resp: 12712
Ion Ratio Lower Upper
113 100
111 105.1 81.6 122.4
192 17.9 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.754 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 75 Resp: 15040
Ion Ratio Lower Upper
75 100
110 34.8 17.9 53.8
77 36.6 24.5 36.7





#37

Ethyl Acetate

Concen: 5.150 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

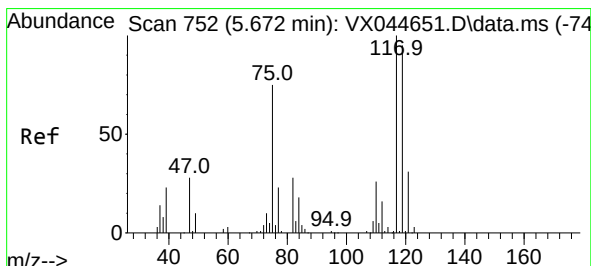
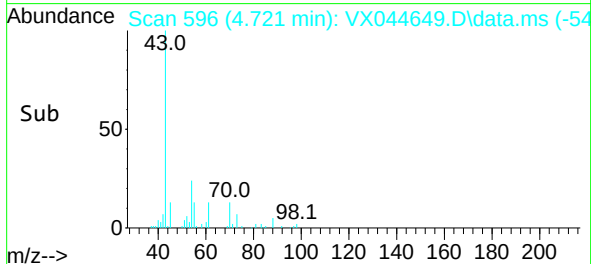
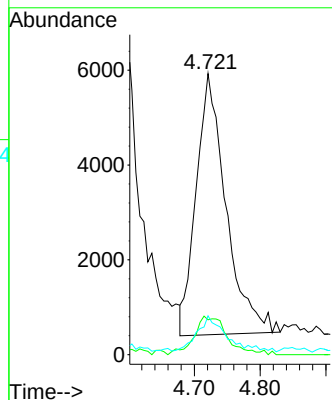
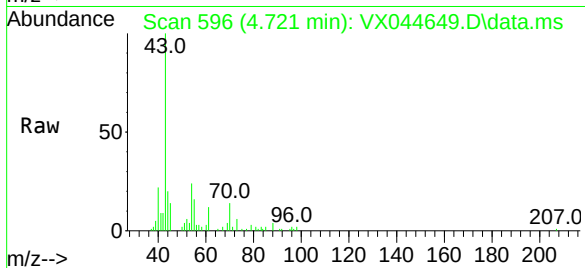
Tgt Ion: 43 Resp: 17349

Ion Ratio Lower Upper

43 100

61 16.3 10.9 16.3

70 14.1 10.1 15.1



#38

Carbon Tetrachloride

Concen: 5.054 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

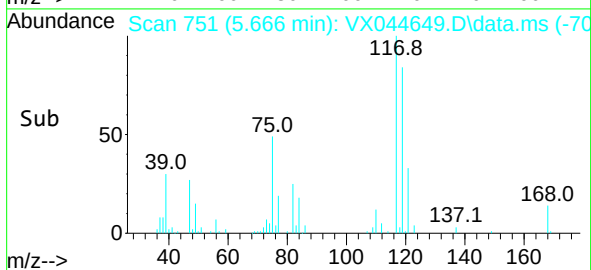
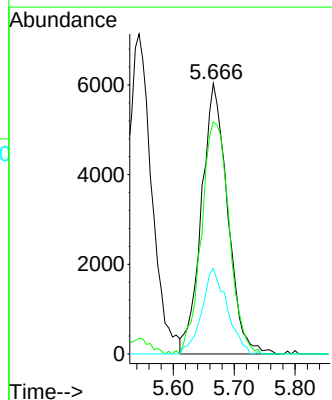
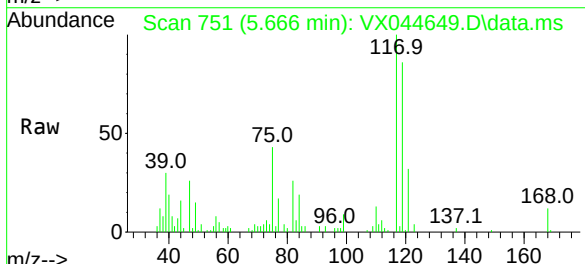
Tgt Ion: 117 Resp: 17983

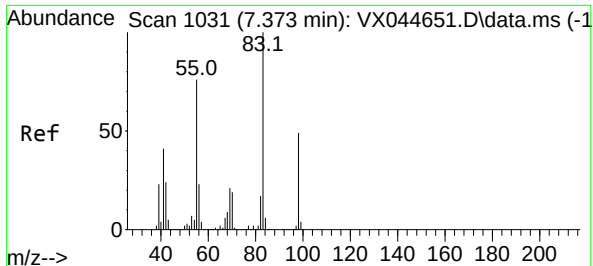
Ion Ratio Lower Upper

117 100

119 85.8 76.0 114.0

121 31.6 24.6 36.8





#39

Methylcyclohexane

Concen: 4.727 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

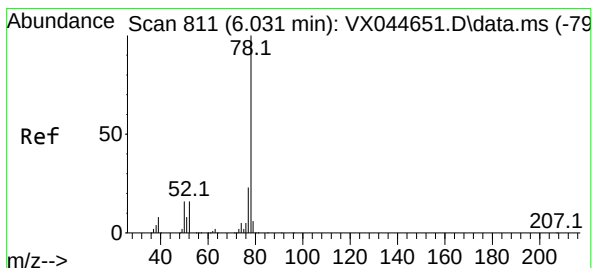
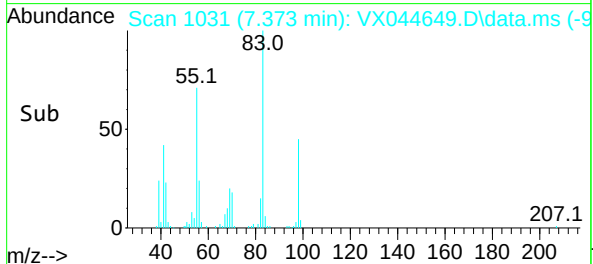
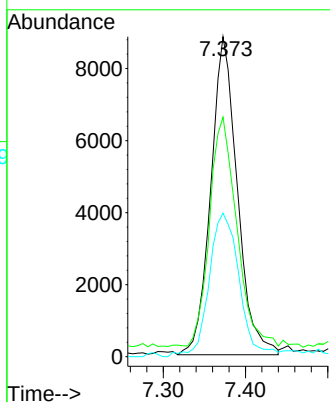
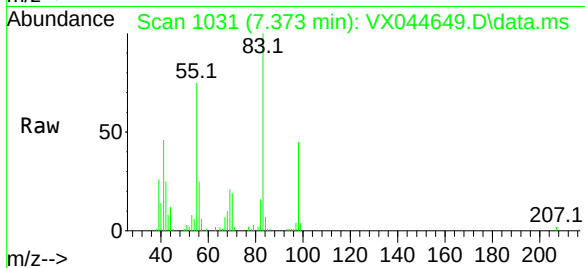
Tgt Ion: 83 Resp: 19848

Ion Ratio Lower Upper

83 100

55 72.0 60.5 90.7

98 44.2 39.0 58.4



#40

Benzene

Concen: 5.023 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX044649.D

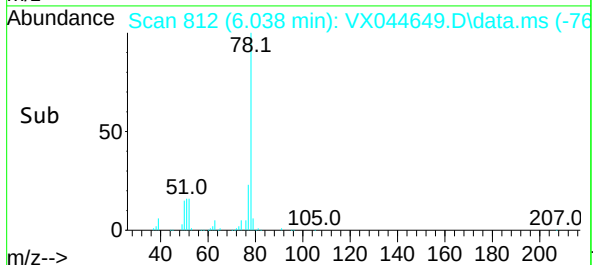
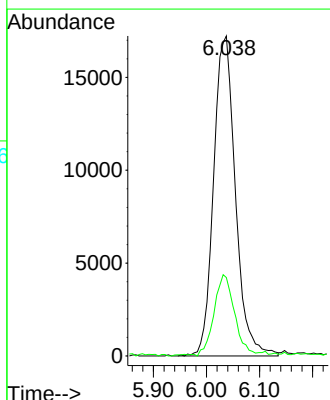
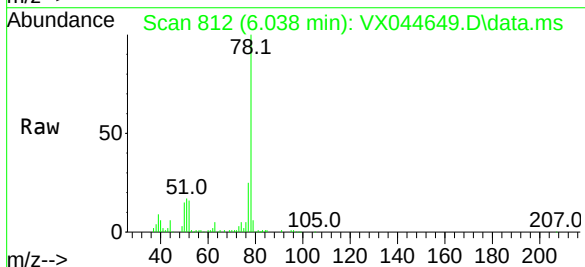
Acq: 15 Jan 2025 11:17

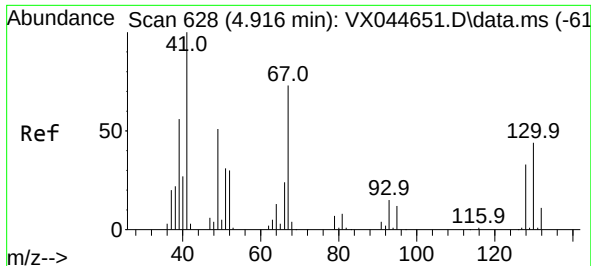
Tgt Ion: 78 Resp: 49235

Ion Ratio Lower Upper

78 100

77 24.2 18.7 28.1

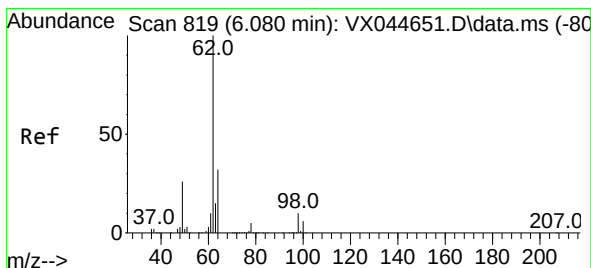
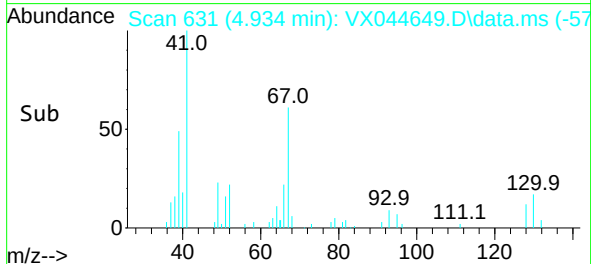
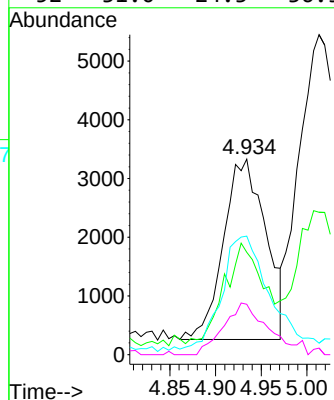
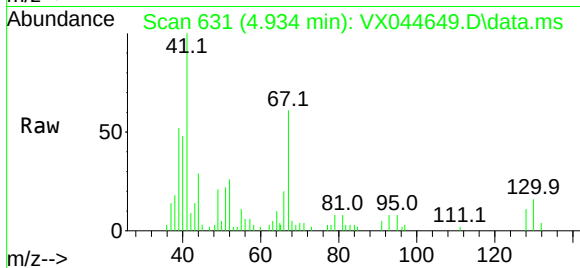




#41
Methacrylonitrile
Concen: 5.054 ug/l
RT: 4.934 min Scan# 61
Delta R.T. 0.018 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

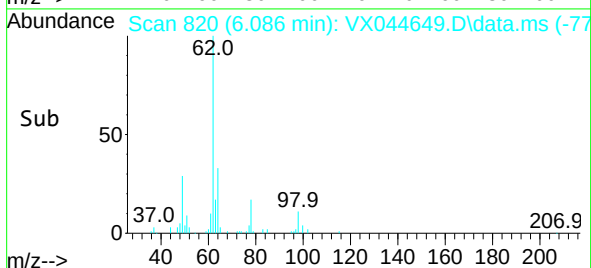
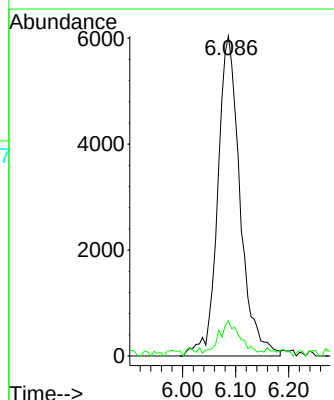
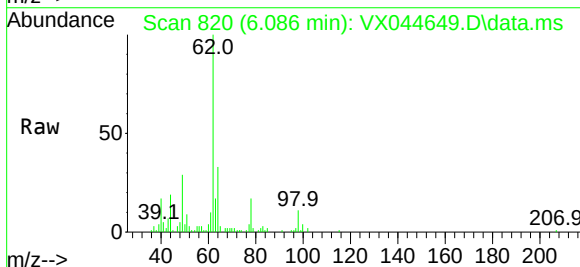
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

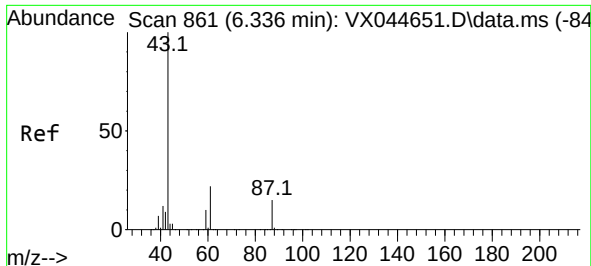
Tgt Ion:	41	Resp:	9920
Ion	Ratio	Lower	Upper
41	100		
39	52.9	44.4	66.6
67	74.3	60.6	90.8
52	31.0	24.3	36.5



#42
1,2-Dichloroethane
Concen: 4.941 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:	62	Resp:	17678
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	19.4

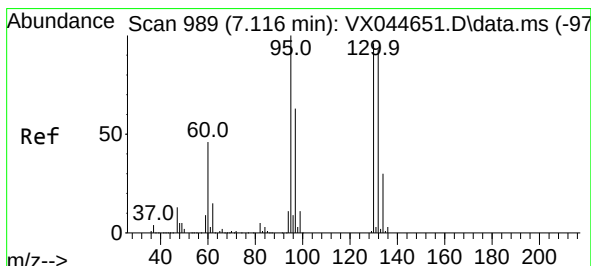
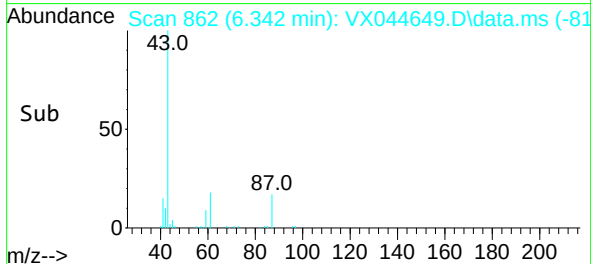
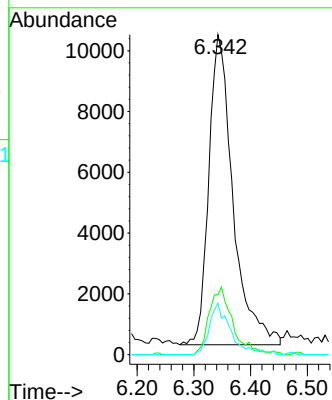
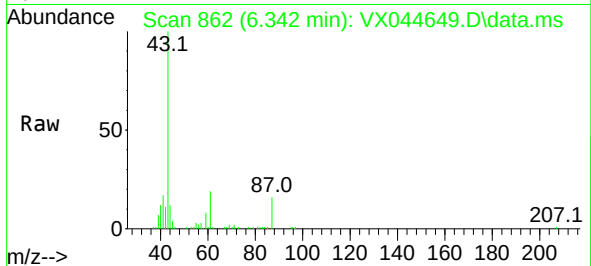




#43
Isopropyl Acetate
Concen: 4.877 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

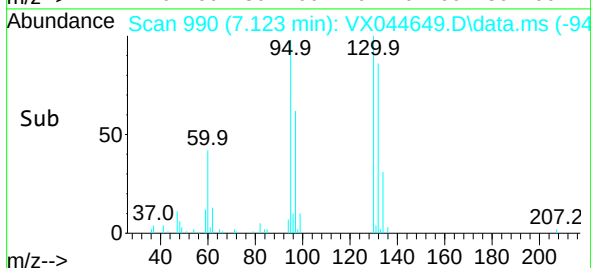
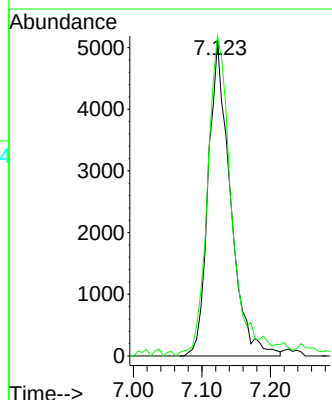
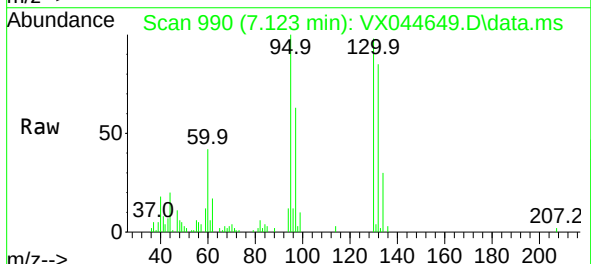
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

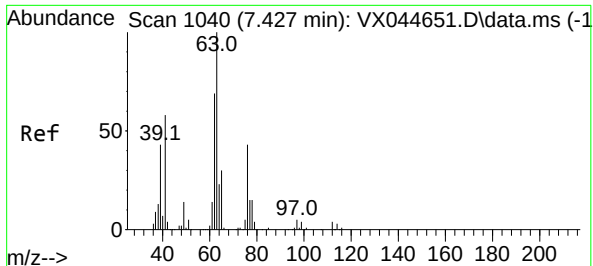
Tgt Ion: 43 Resp: 30226
Ion Ratio Lower Upper
43 100
61 21.0 16.6 24.8
87 14.7 11.0 16.6



#44
Trichloroethene
Concen: 4.849 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:130 Resp: 11427
Ion Ratio Lower Upper
130 100
95 100.7 0.0 208.2





#45

1,2-Dichloropropane

Concen: 5.199 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

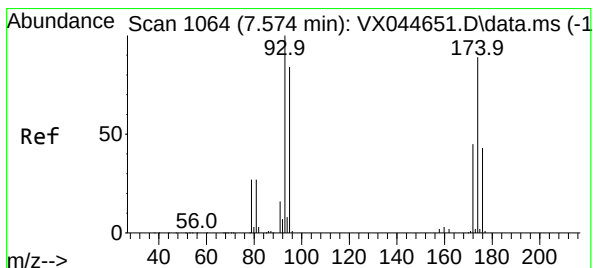
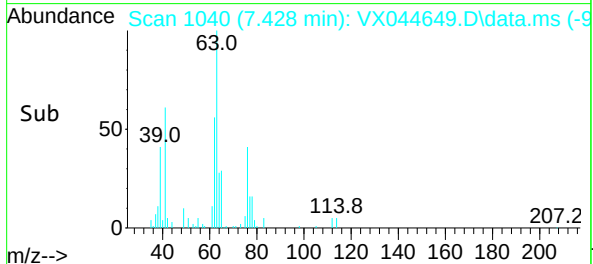
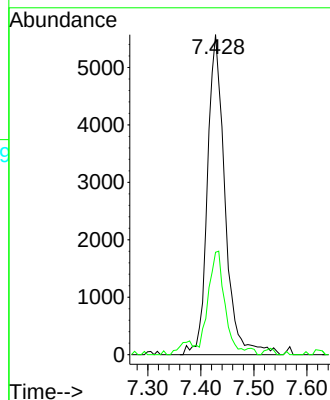
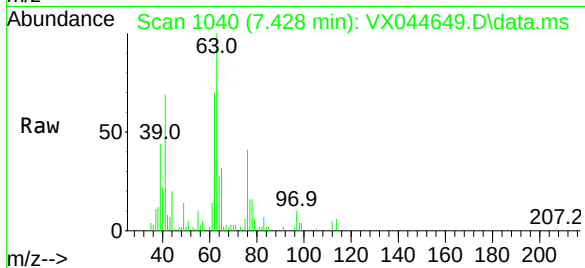
VSTDICC005

Tgt Ion: 63 Resp: 12829

Ion Ratio Lower Upper

63 100

65 32.0 24.2 36.2



#46

Dibromomethane

Concen: 5.156 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

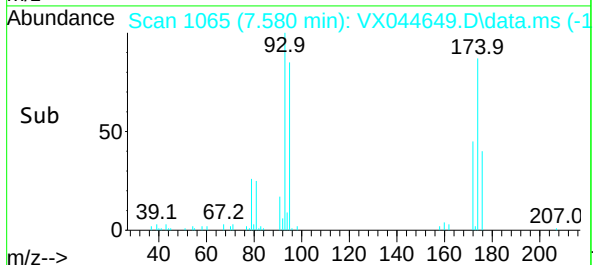
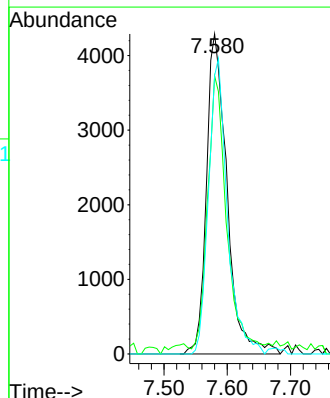
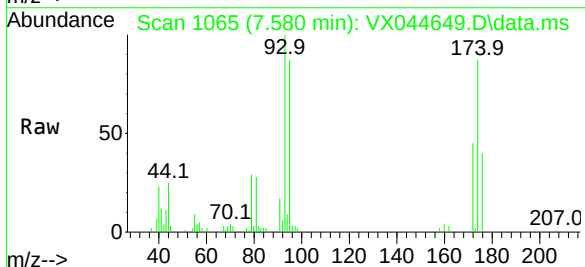
Tgt Ion: 93 Resp: 9684

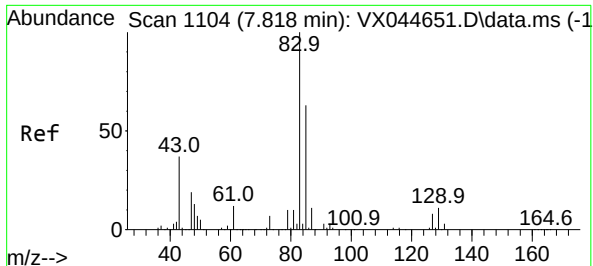
Ion Ratio Lower Upper

93 100

95 77.5 66.4 99.6

174 84.6 72.0 108.0

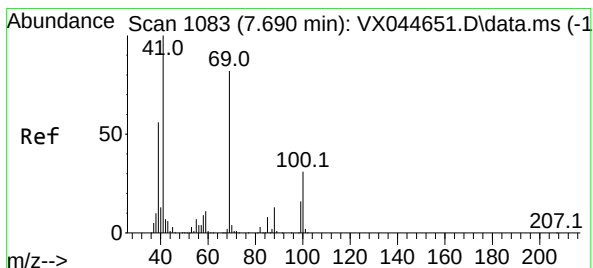
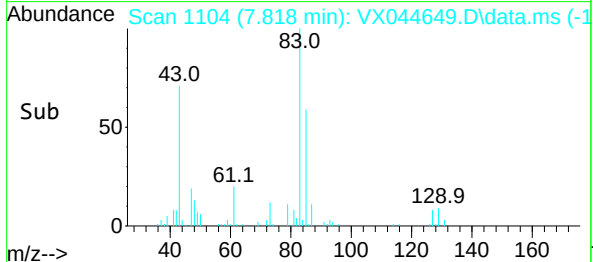
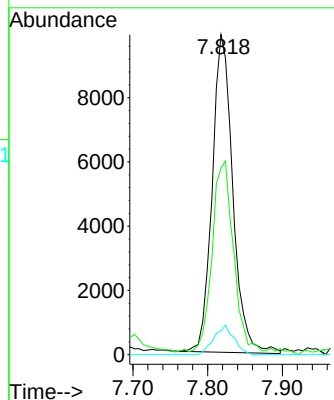
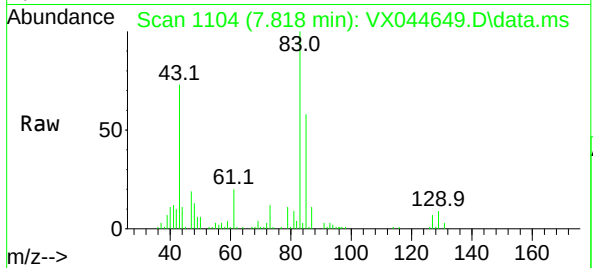




#47
Bromodichloromethane
Concen: 4.923 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

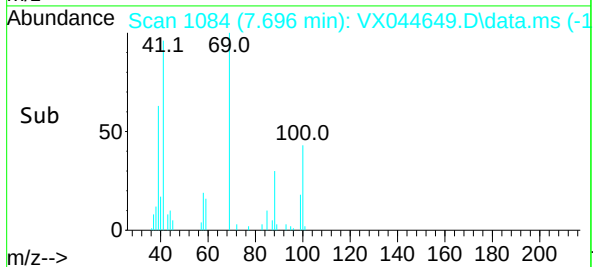
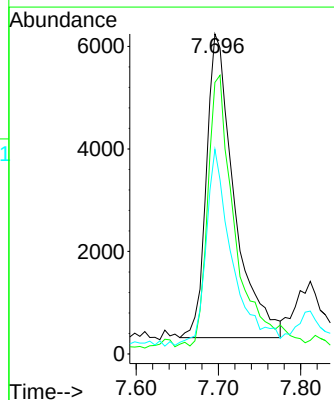
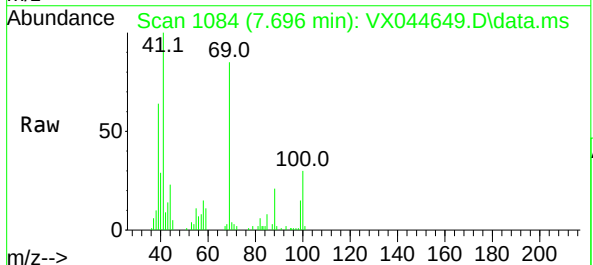
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

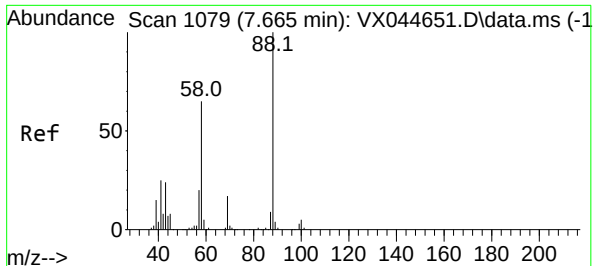
Tgt Ion: 83 Resp: 18964
Ion Ratio Lower Upper
83 100
85 57.7 50.1 75.1
127 7.5 6.5 9.7



#48
Methyl methacrylate
Concen: 4.844 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 41 Resp: 13933
Ion Ratio Lower Upper
41 100
69 86.9 66.8 100.2
39 60.6 47.4 71.0





#49

1,4-Dioxane

Concen: 94.542 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. 0.012 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

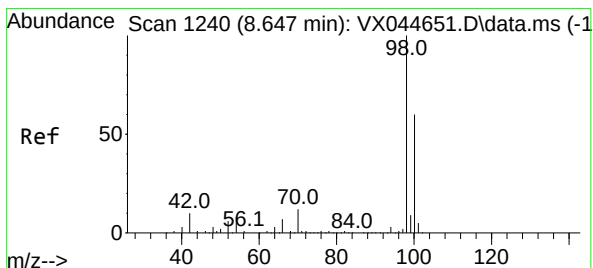
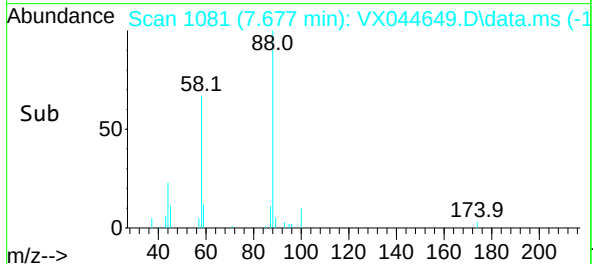
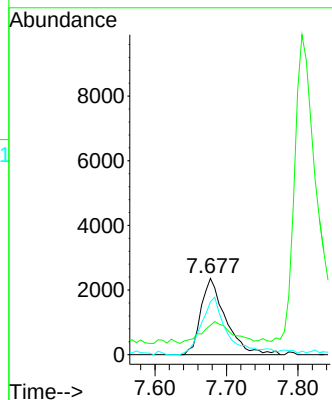
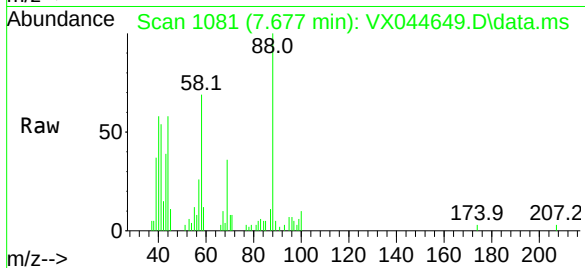
Tgt Ion: 88 Resp: 5674

Ion Ratio Lower Upper

88 100

43 34.3 27.0 40.4

58 74.9 55.8 83.8



#50

Toluene-d8

Concen: 5.733 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044649.D

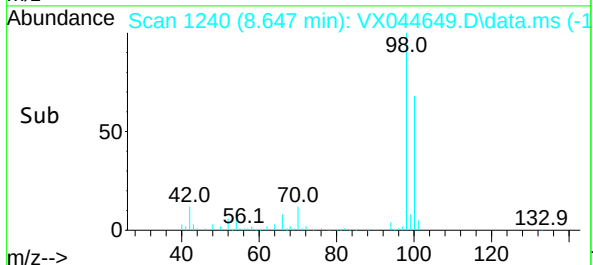
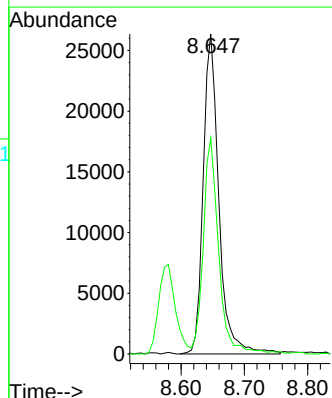
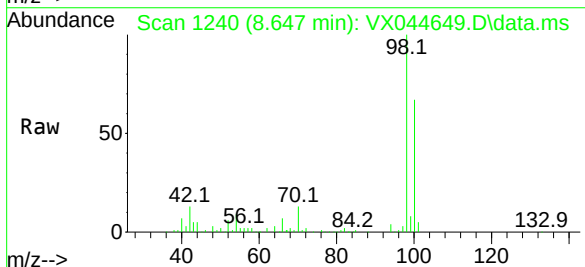
Acq: 15 Jan 2025 11:17

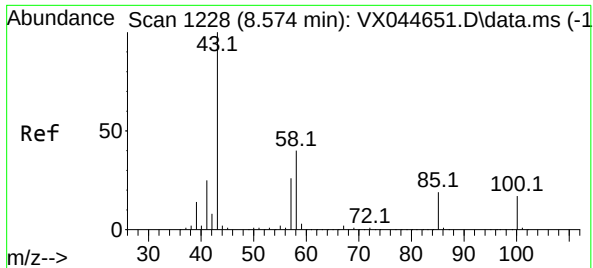
Tgt Ion: 98 Resp: 45425

Ion Ratio Lower Upper

98 100

100 64.1 53.2 79.8

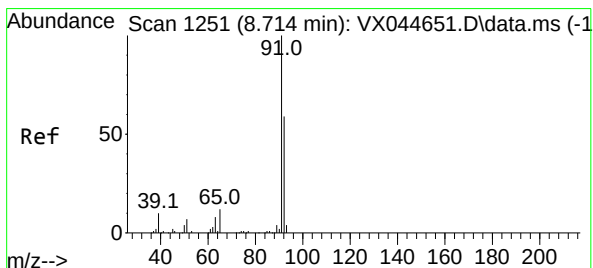
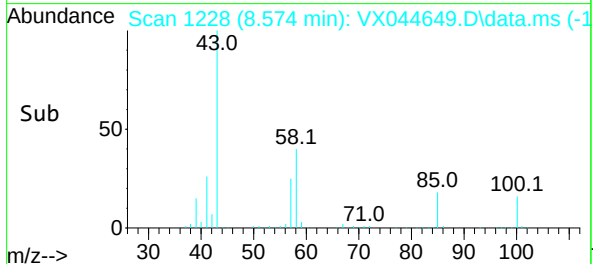
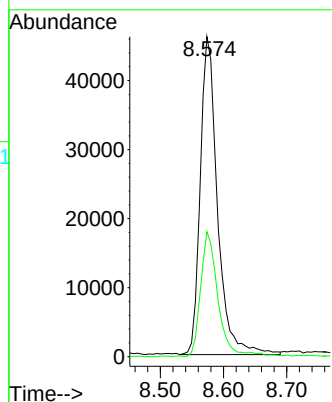
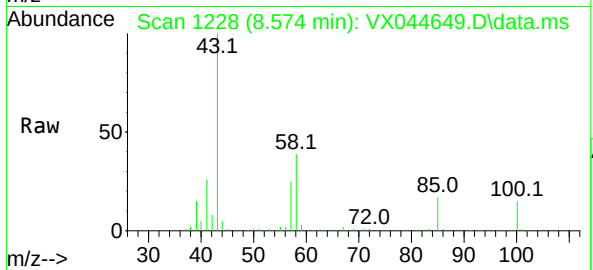




#51
4-Methyl-2-Pentanone
Concen: 25.551 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

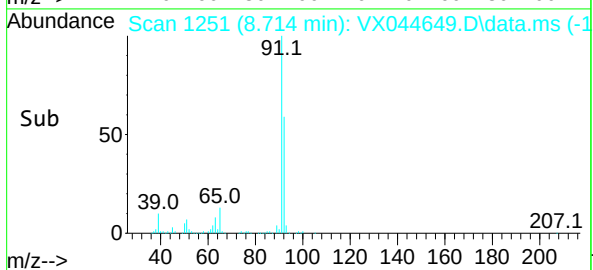
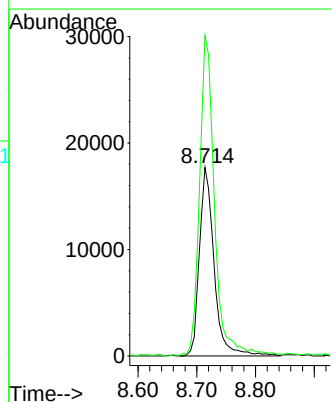
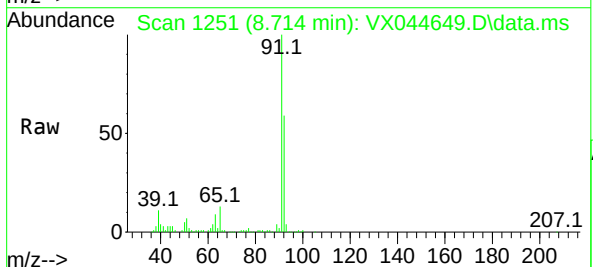
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

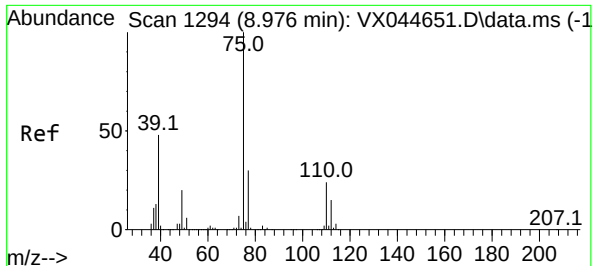
Tgt Ion: 43 Resp: 87503
Ion Ratio Lower Upper
43 100
58 38.4 31.9 47.9



#52
Toluene
Concen: 5.149 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 92 Resp: 30892
Ion Ratio Lower Upper
92 100
91 173.3 135.7 203.5

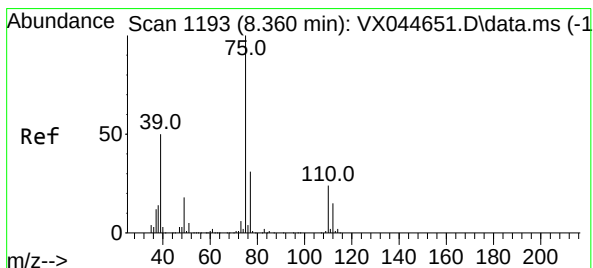
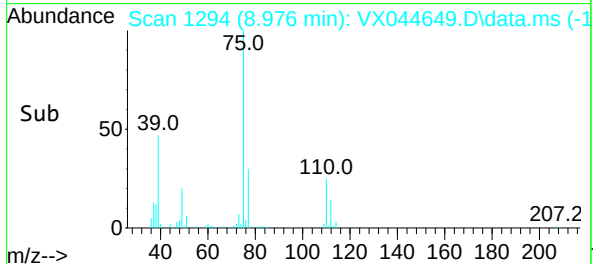
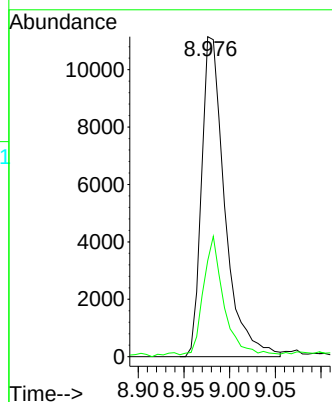
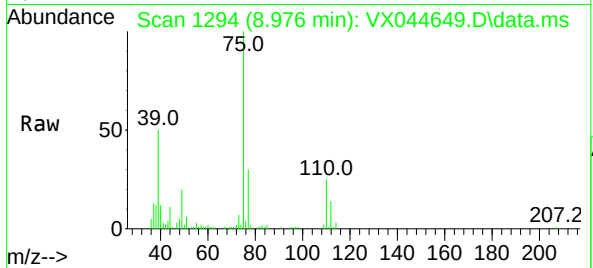




#53
 t-1,3-Dichloropropene
 Concen: 4.954 ug/l
 RT: 8.976 min Scan# 1194
 Delta R.T. 0.000 min
 Lab File: VX044649.D
 Acq: 15 Jan 2025 11:17

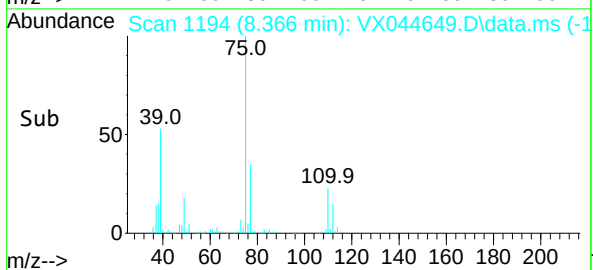
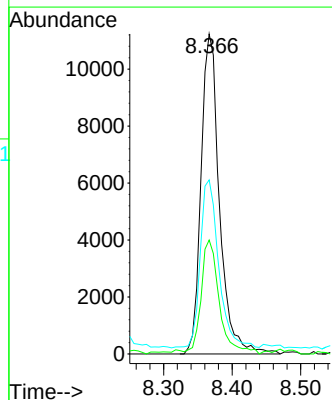
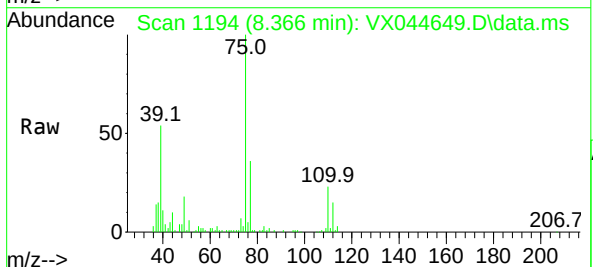
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

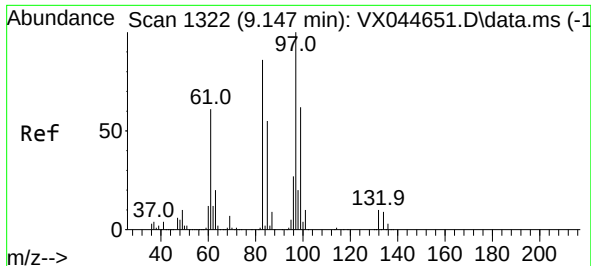
Tgt Ion: 75 Resp: 19714
 Ion Ratio Lower Upper
 75 100
 77 29.4 24.4 36.6



#54
 cis-1,3-Dichloropropene
 Concen: 4.879 ug/l
 RT: 8.366 min Scan# 1194
 Delta R.T. 0.006 min
 Lab File: VX044649.D
 Acq: 15 Jan 2025 11:17

Tgt Ion: 75 Resp: 21054
 Ion Ratio Lower Upper
 75 100
 77 34.6 25.1 37.7
 39 52.2 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 5.037 ug/l

RT: 9.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 97 Resp: 12227

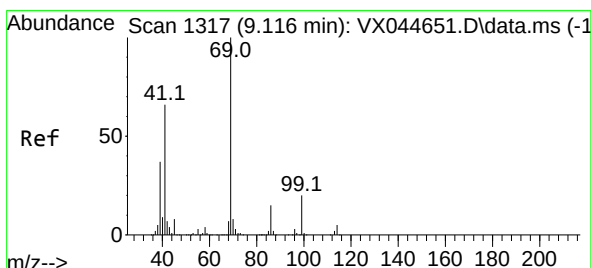
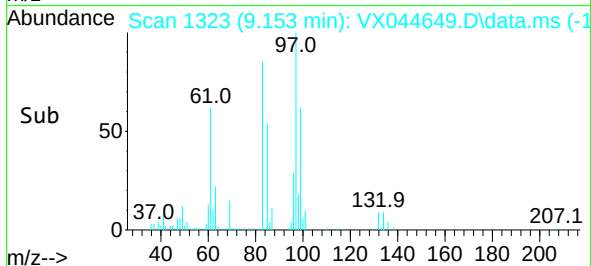
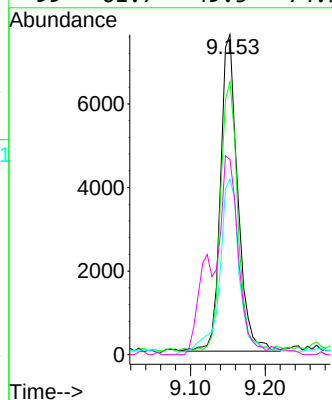
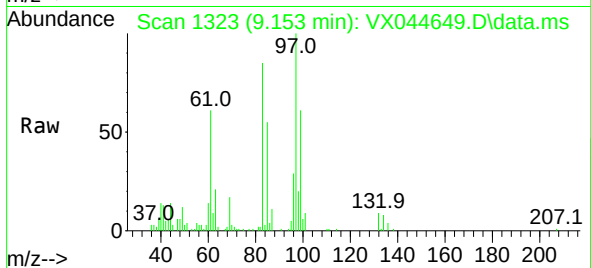
Ion Ratio Lower Upper

97 100

83 84.6 68.8 103.2

85 54.6 43.7 65.5

99 61.7 49.5 74.3



#56

Ethyl methacrylate

Concen: 4.935 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

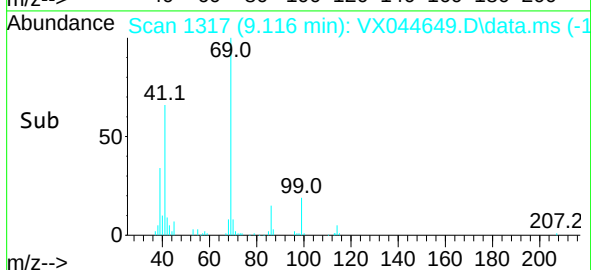
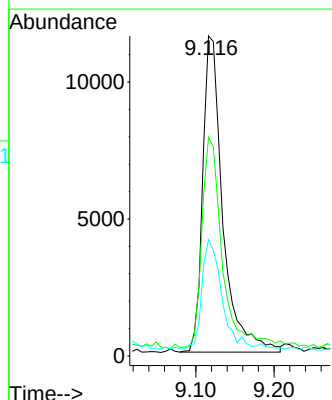
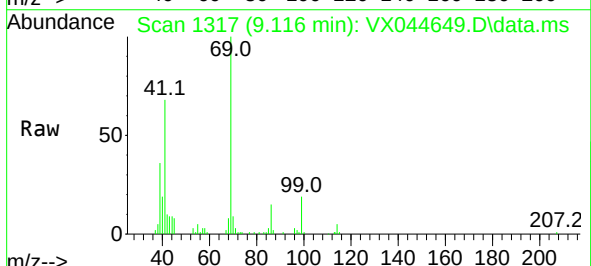
Tgt Ion: 69 Resp: 20596

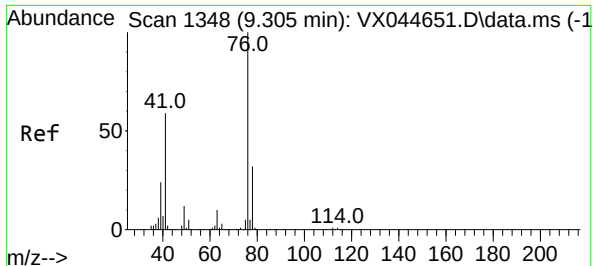
Ion Ratio Lower Upper

69 100

41 68.9 53.2 79.8

39 33.8 30.2 45.2

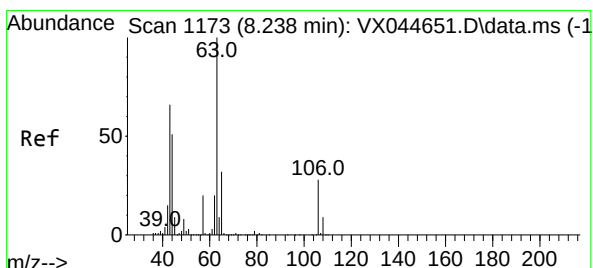
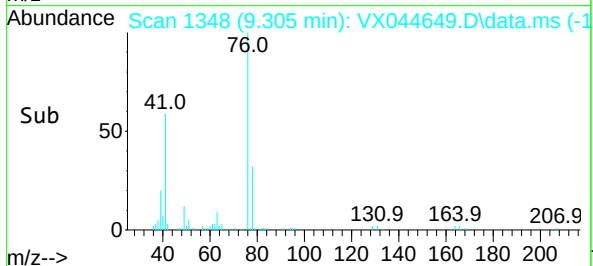
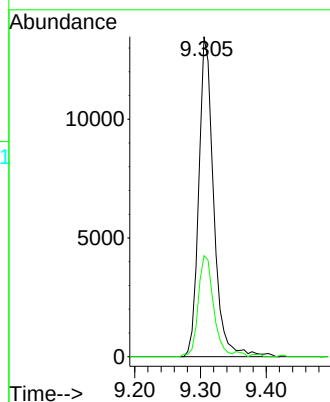
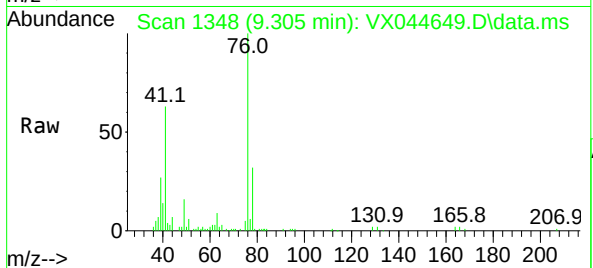




#57
1,3-Dichloropropane
Concen: 5.142 ug/l
RT: 9.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

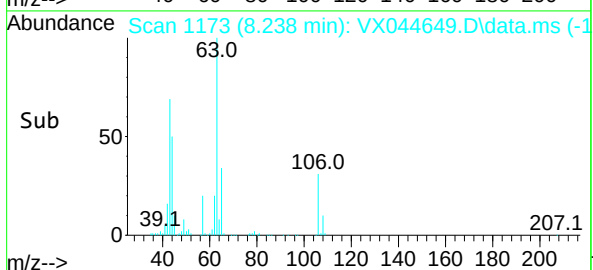
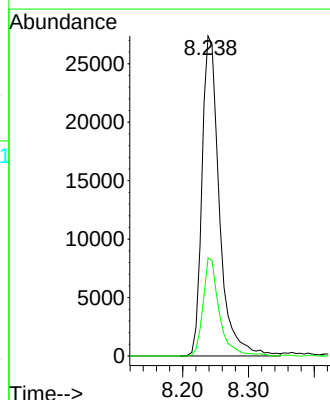
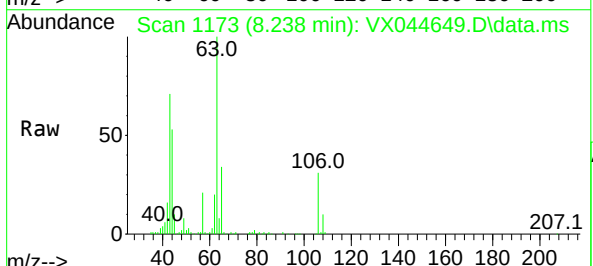
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

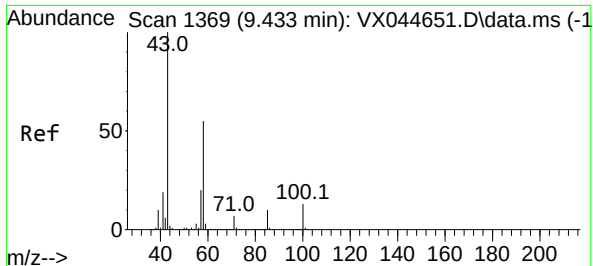
Tgt Ion: 76 Resp: 21253
Ion Ratio Lower Upper
76 100
78 32.2 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 24.557 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 63 Resp: 50319
Ion Ratio Lower Upper
63 100
106 28.7 23.0 34.6

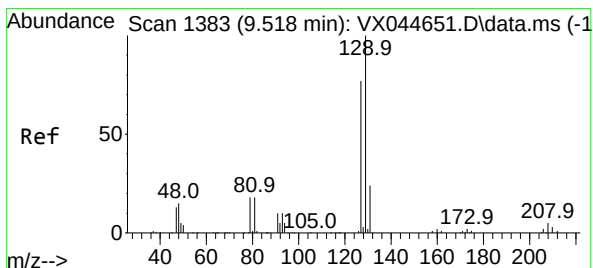
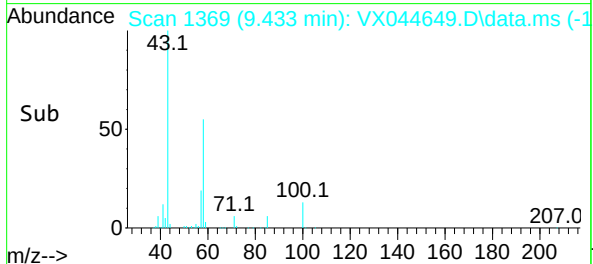
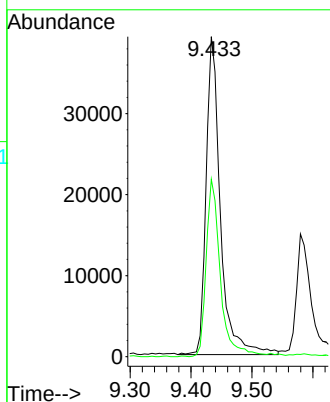
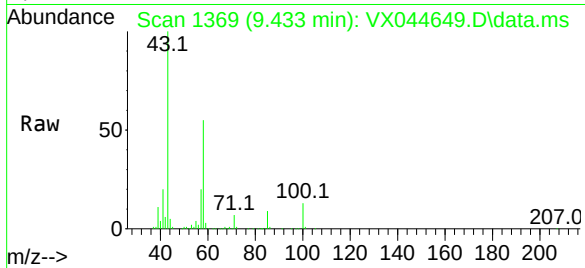




#59
2-Hexanone
Concen: 25.395 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

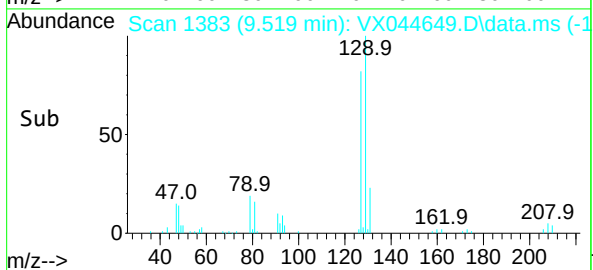
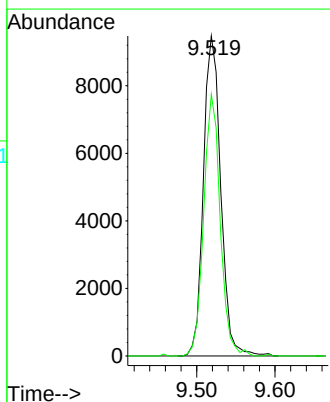
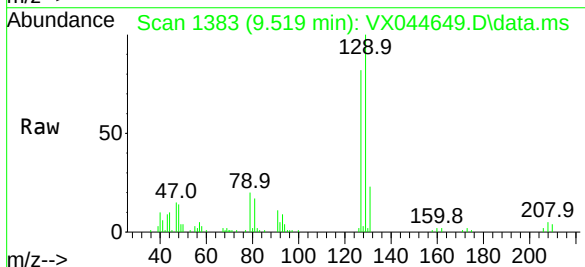
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

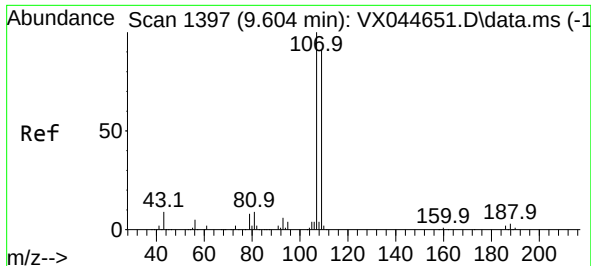
Tgt Ion: 43 Resp: 63985
Ion Ratio Lower Upper
43 100
58 55.5 27.8 83.3



#60
Dibromochloromethane
Concen: 5.108 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 129 Resp: 14553
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5

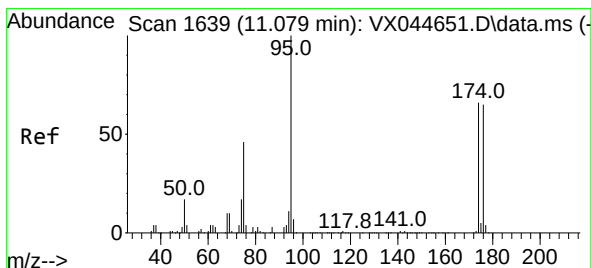
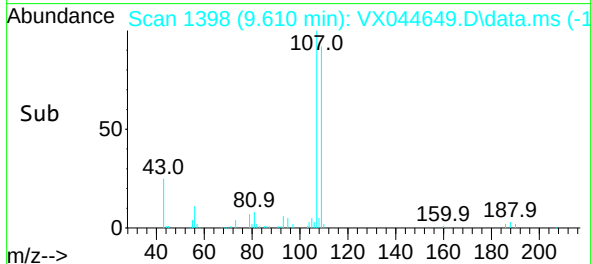
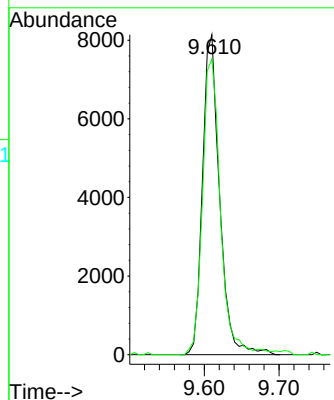
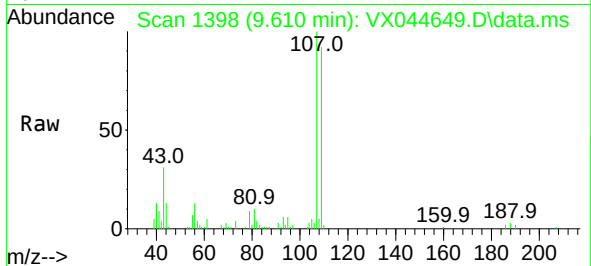




#61
1,2-Dibromoethane
Concen: 5.077 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

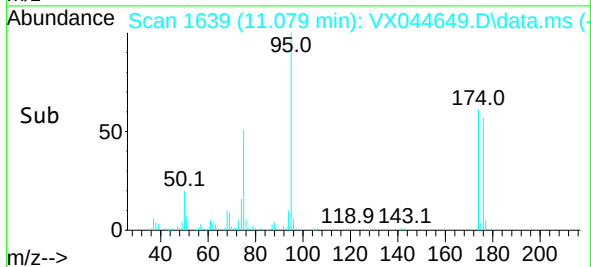
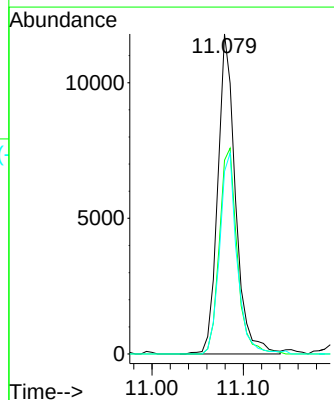
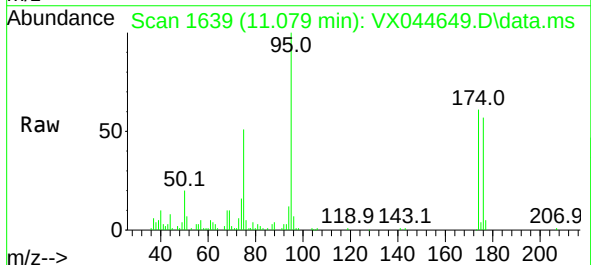
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

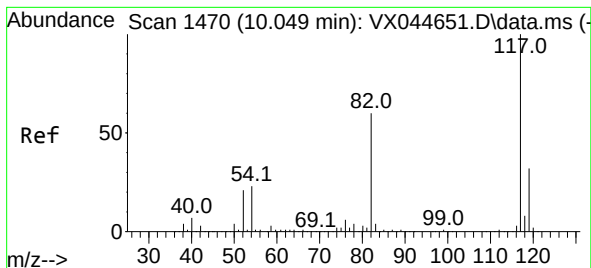
Tgt Ion:107 Resp: 12916
Ion Ratio Lower Upper
107 100
109 97.2 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 5.386 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 95 Resp: 15909
Ion Ratio Lower Upper
95 100
174 64.6 0.0 133.0
176 61.6 0.0 129.4

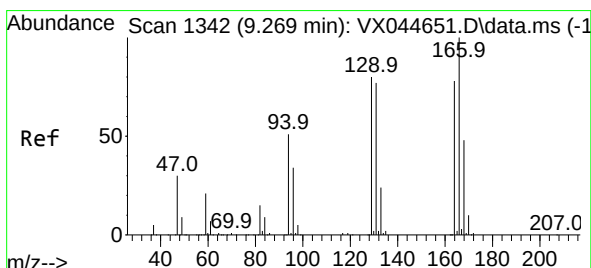
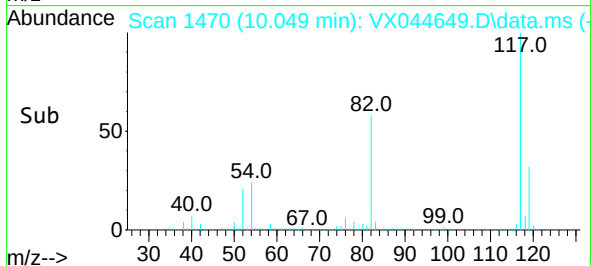
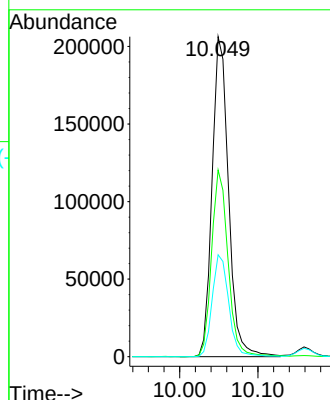
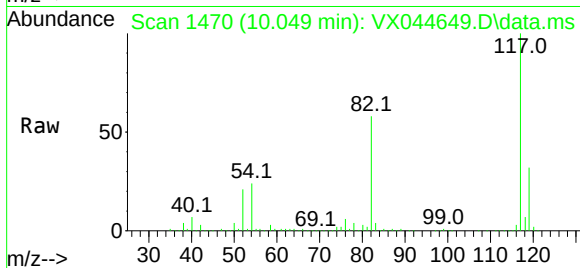




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

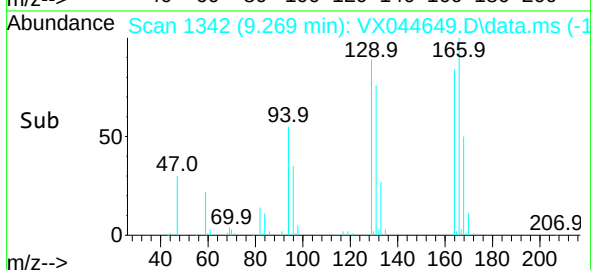
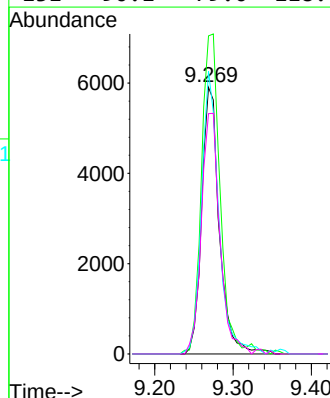
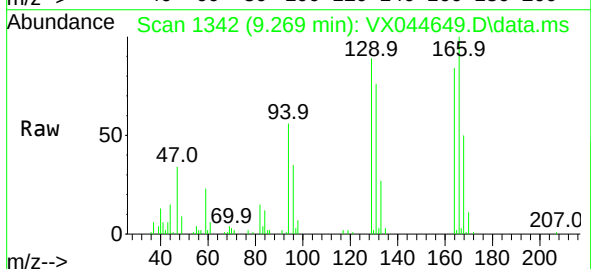
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

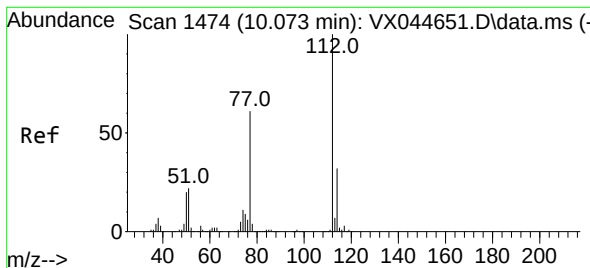
Tgt Ion:117 Resp: 300165
Ion Ratio Lower Upper
117 100
82 58.3 47.6 71.4
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 4.920 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:164 Resp: 9274
Ion Ratio Lower Upper
164 100
166 119.3 102.0 153.0
129 106.0 81.1 121.7
131 90.1 79.0 118.6

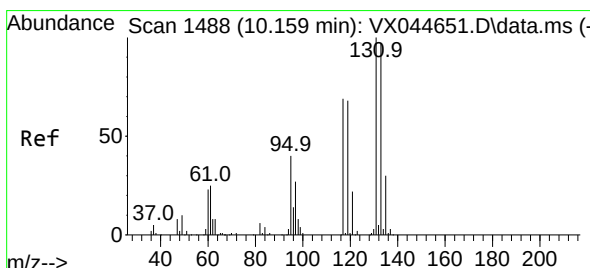
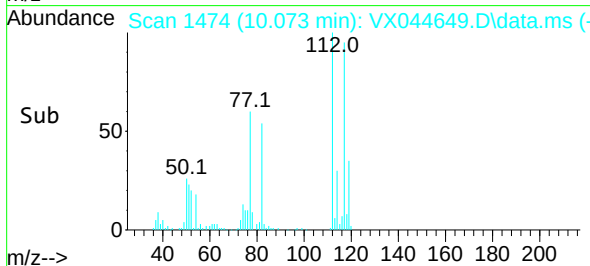
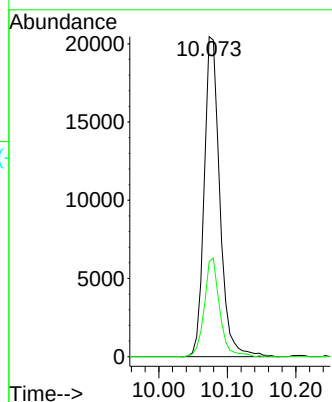
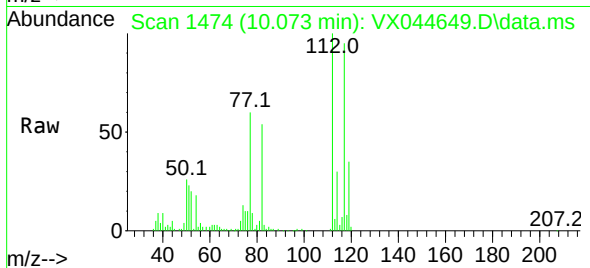




#65
Chlorobenzene
Concen: 5.109 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

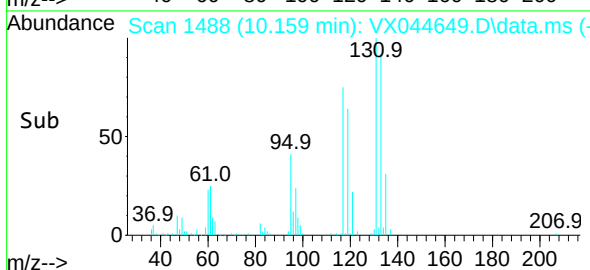
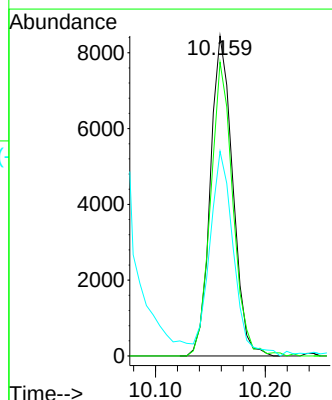
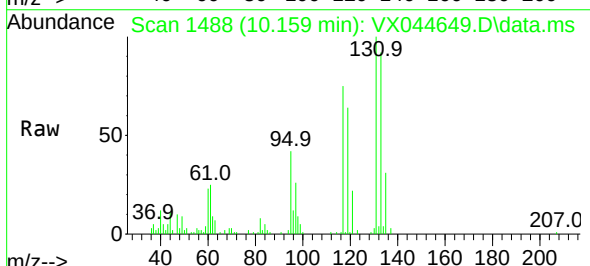
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

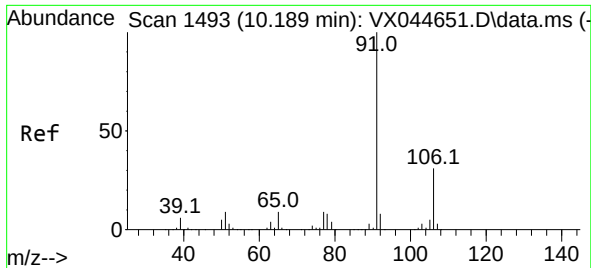
Tgt Ion:112 Resp: 32572
Ion Ratio Lower Upper
112 100
114 29.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 5.160 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:131 Resp: 11955
Ion Ratio Lower Upper
131 100
133 91.8 47.8 143.3
119 67.1 33.4 100.2

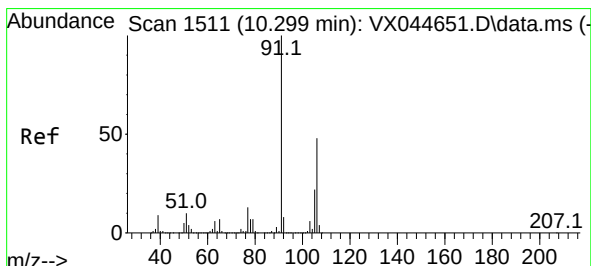
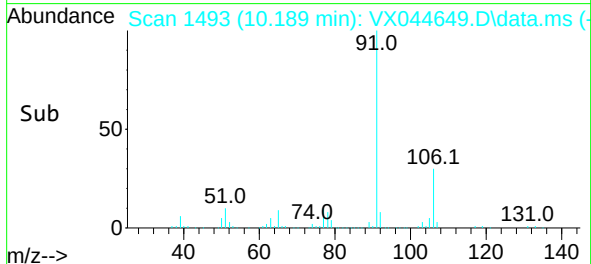
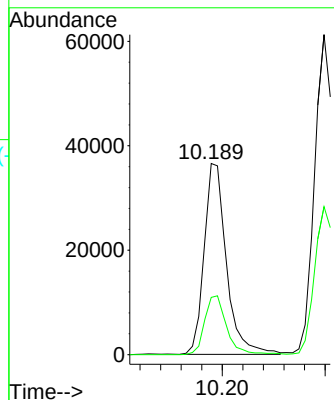
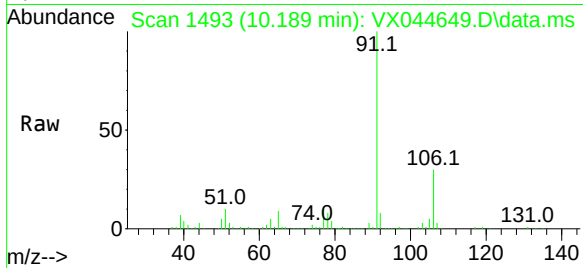




#67
Ethyl Benzene
Concen: 4.963 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

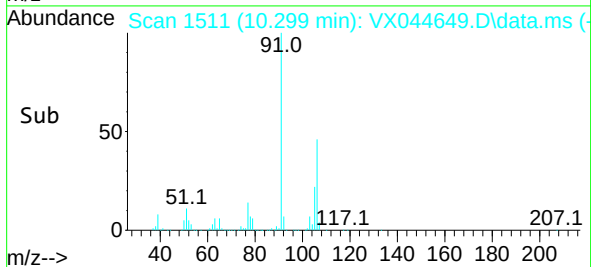
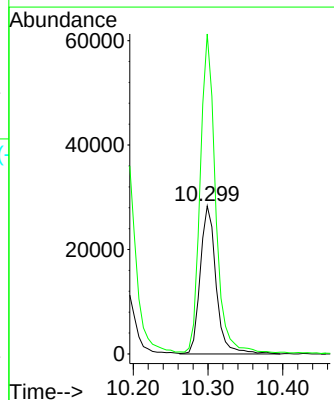
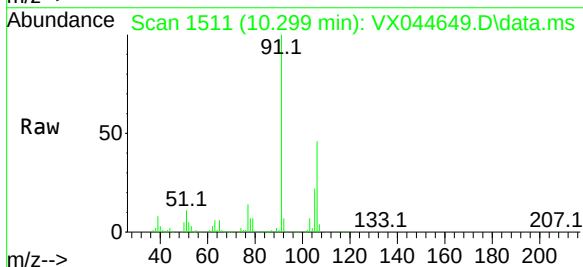
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

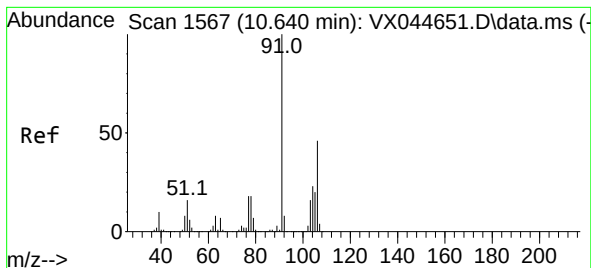
Tgt Ion: 91 Resp: 55208
Ion Ratio Lower Upper
91 100
106 30.0 25.0 37.6



#68
m/p-Xylenes
Concen: 10.129 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 106 Resp: 41816
Ion Ratio Lower Upper
106 100
91 206.3 166.4 249.6





#69

o-Xylene

Concen: 5.124 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

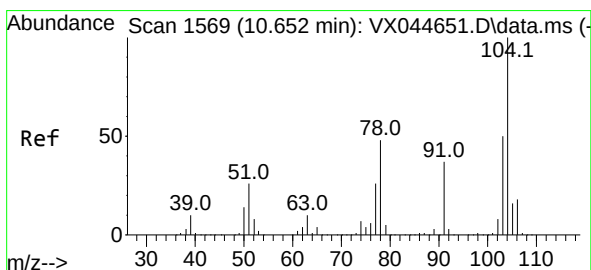
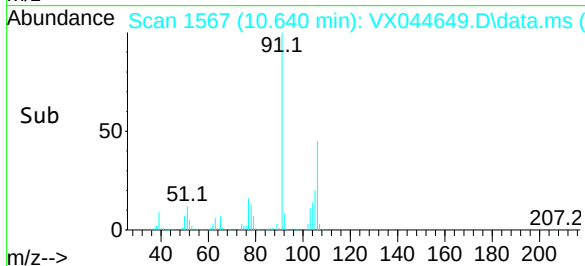
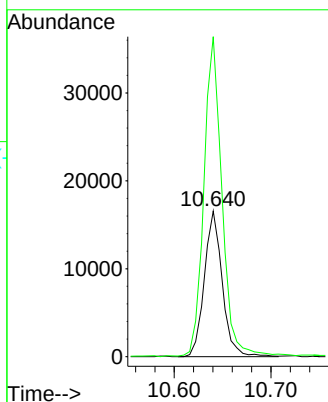
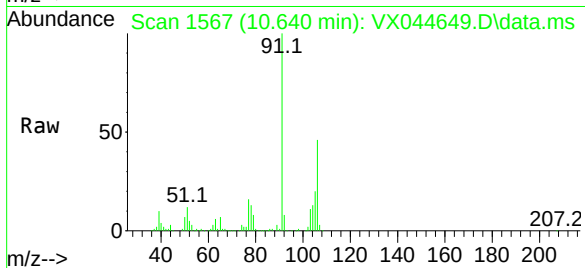
VSTDIC005

Tgt Ion:106 Resp: 21392

Ion Ratio Lower Upper

106 100

91 223.1 108.7 326.3



#70

Styrene

Concen: 5.105 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

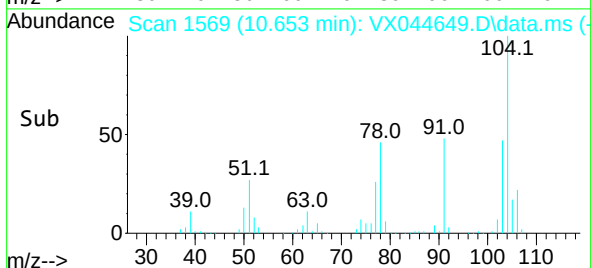
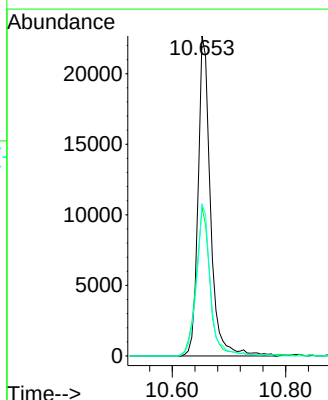
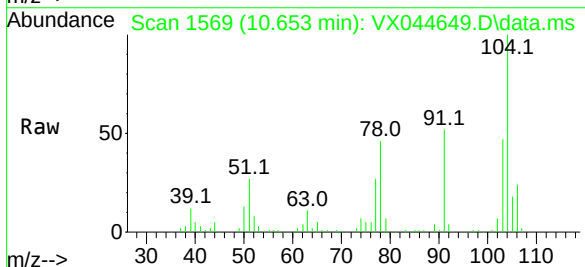
Tgt Ion:104 Resp: 34407

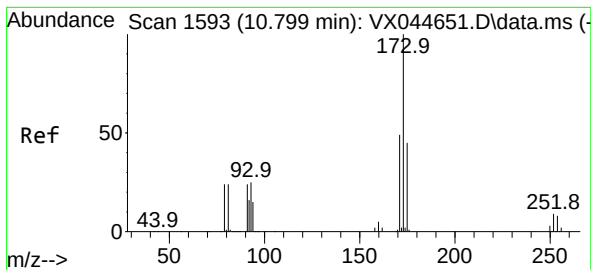
Ion Ratio Lower Upper

104 100

78 52.8 43.0 64.6

103 52.7 43.4 65.2





#71

Bromoform

Concen: 5.012 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

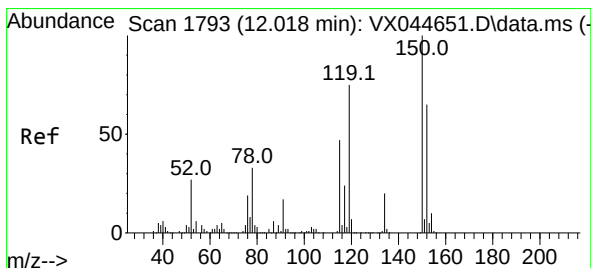
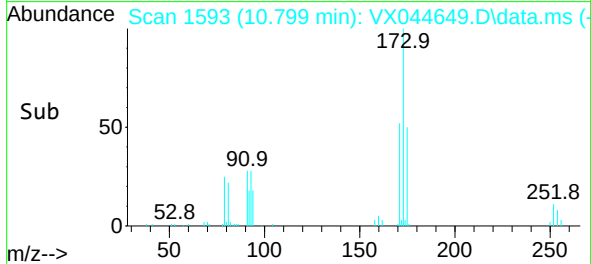
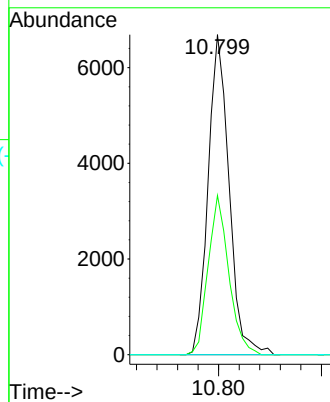
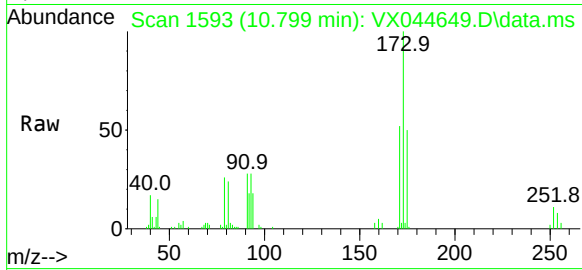
Tgt Ion:173 Resp: 9452

Ion Ratio Lower Upper

173 100

175 49.3 23.6 70.8

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

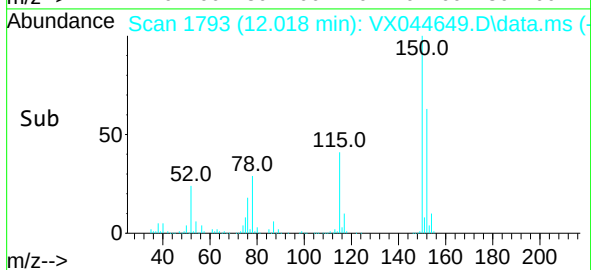
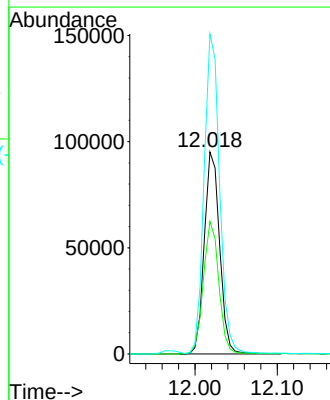
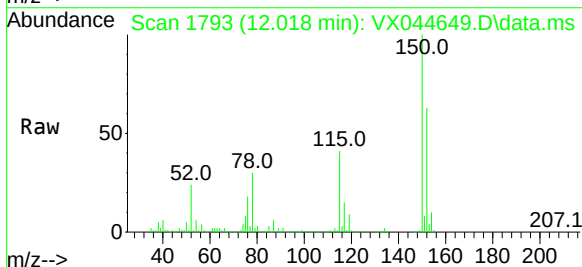
Tgt Ion:152 Resp: 123491

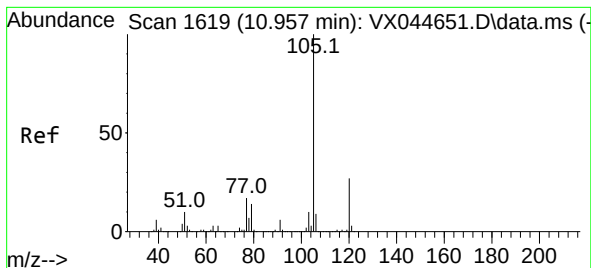
Ion Ratio Lower Upper

152 100

115 66.3 43.8 131.4

150 158.9 0.0 347.8





#73

Isopropylbenzene

Concen: 5.214 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

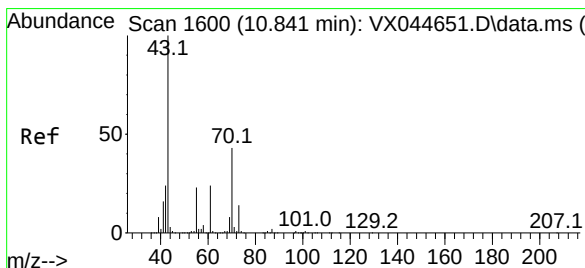
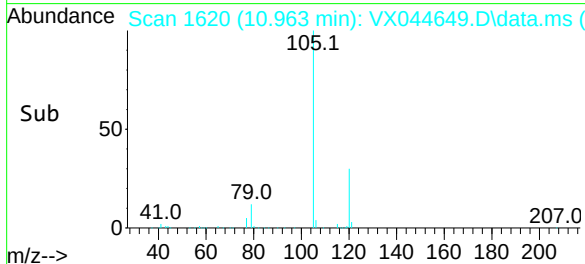
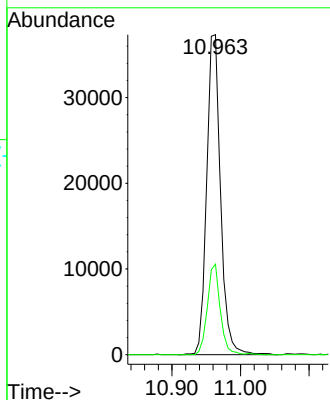
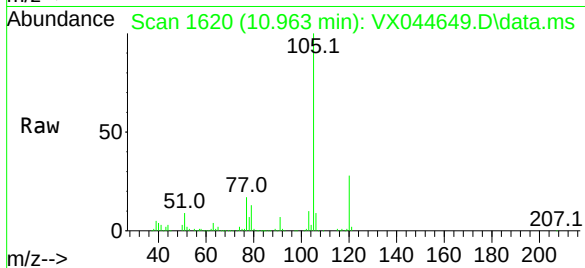
VSTDICC005

Tgt Ion:105 Resp: 52599

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



#74

N-amy1 acetate

Concen: 5.084 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Tgt Ion: 43 Resp: 25282

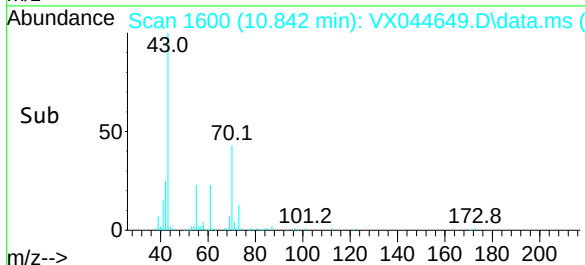
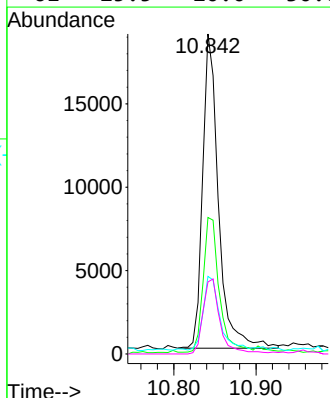
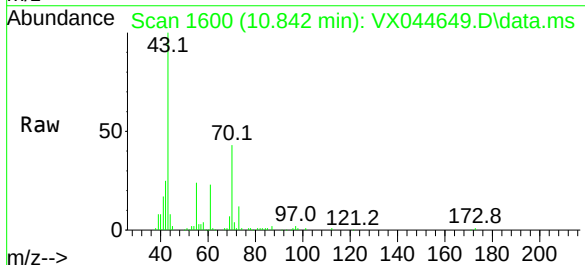
Ion Ratio Lower Upper

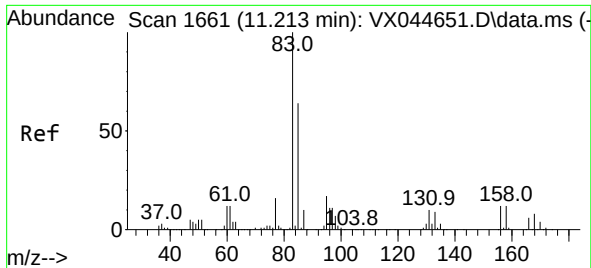
43 100

70 43.3 35.2 52.8

55 25.0 19.0 28.4

61 25.5 20.0 30.0

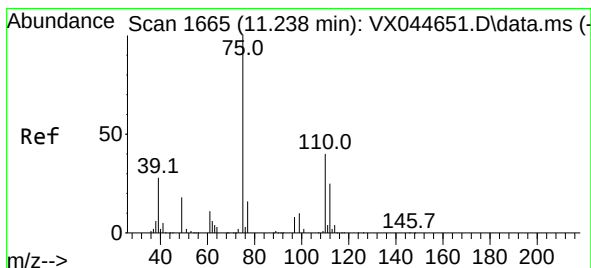
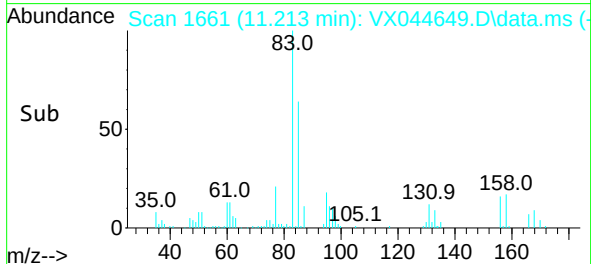
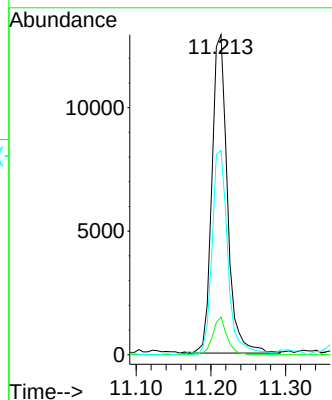
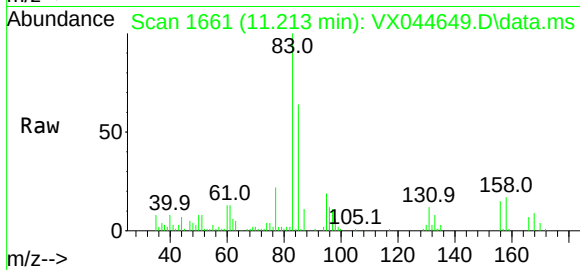




#75
1,1,2-Tetrachloroethane
Concen: 5.351 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

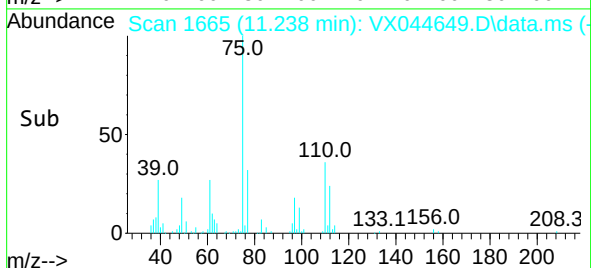
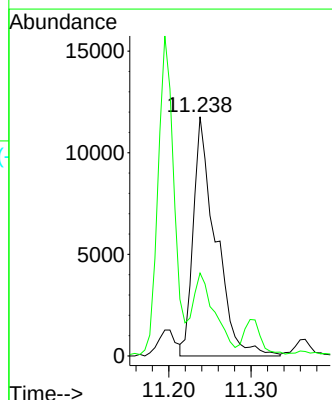
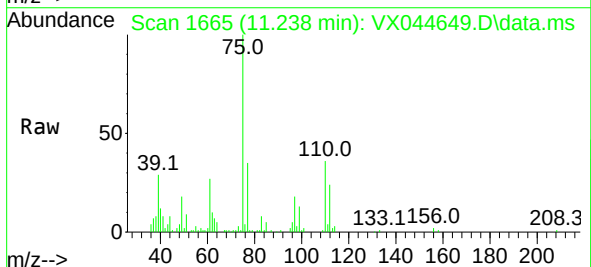
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

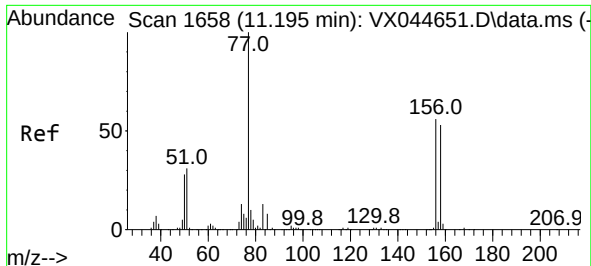
Tgt Ion:	83	Resp:	18645
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.0	14.9
85	65.7	32.0	96.2



#76
1,2,3-Trichloropropane
Concen: 7.431 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:	75	Resp:	22270
Ion	Ratio	Lower	Upper
75	100		
77	33.7	23.4	70.2

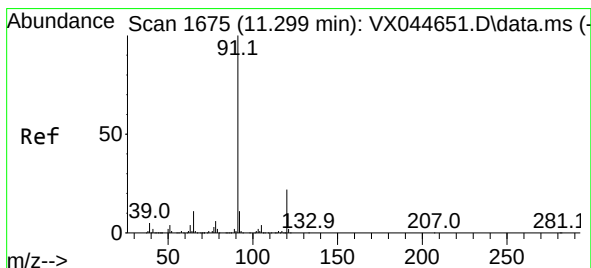
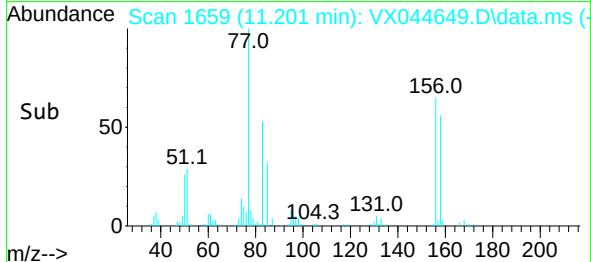
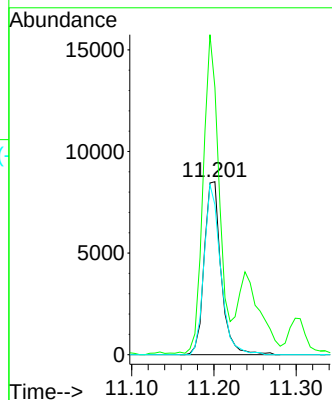
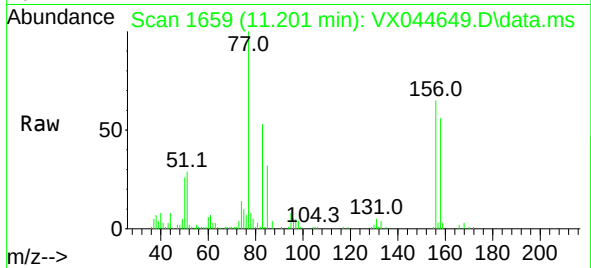




#77
Bromobenzene
Concen: 5.156 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

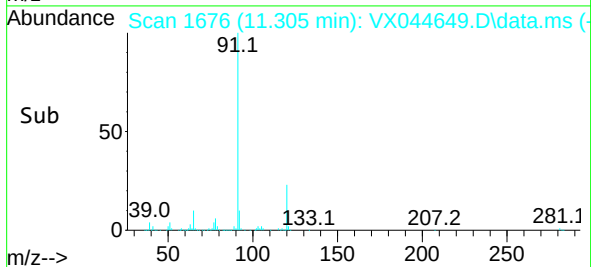
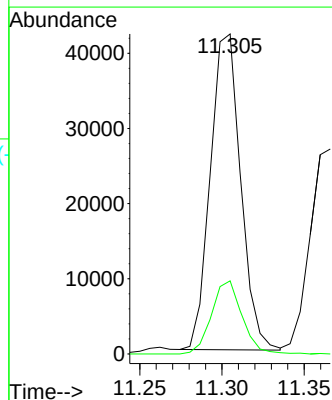
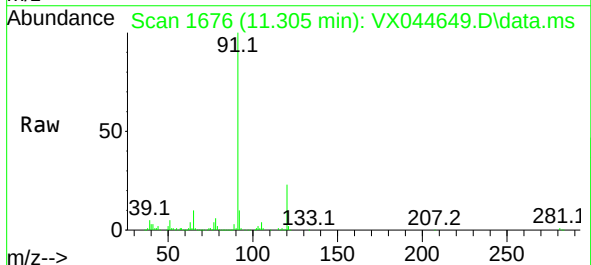
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

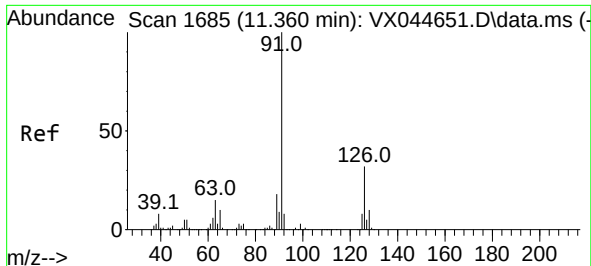
Tgt Ion:156 Resp: 12158
Ion Ratio Lower Upper
156 100
77 172.0 90.3 271.0
158 96.4 48.4 145.3



#78
n-propylbenzene
Concen: 4.846 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 91 Resp: 53913
Ion Ratio Lower Upper
91 100
120 23.3 11.4 34.1

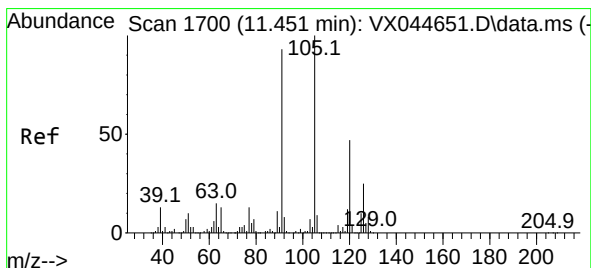
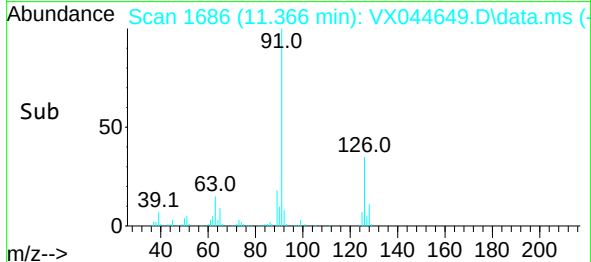
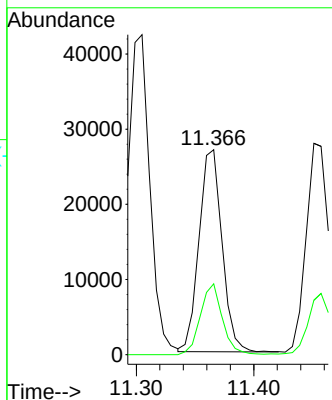
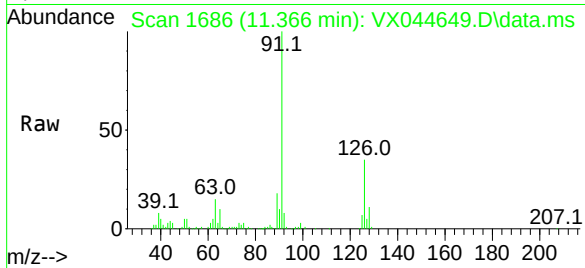




#79
2-Chlorotoluene
Concen: 5.093 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

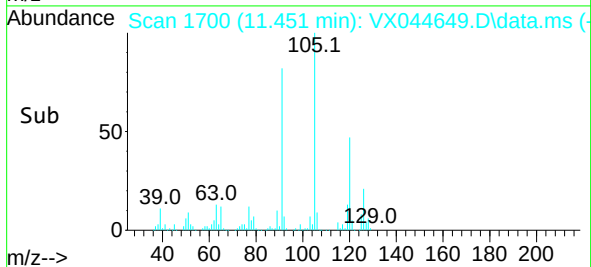
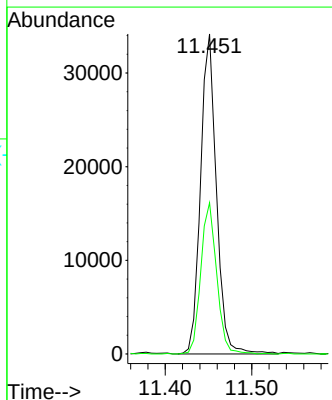
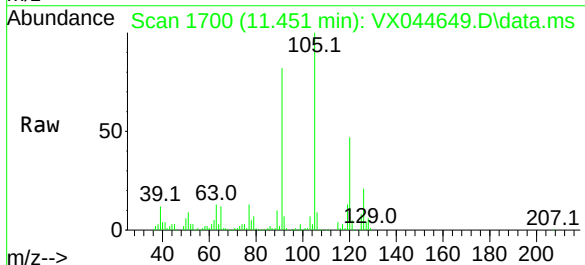
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

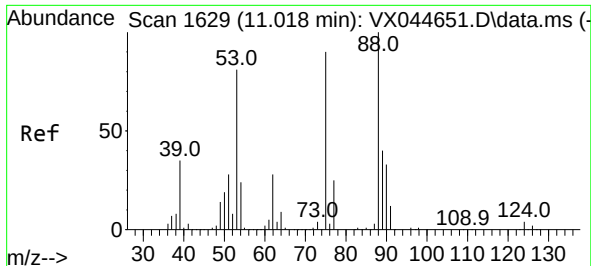
Tgt Ion: 91 Resp: 36602
Ion Ratio Lower Upper
91 100
126 33.5 16.2 48.5



#80
1,3,5-Trimethylbenzene
Concen: 5.295 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 105 Resp: 43488
Ion Ratio Lower Upper
105 100
120 47.3 23.7 71.1

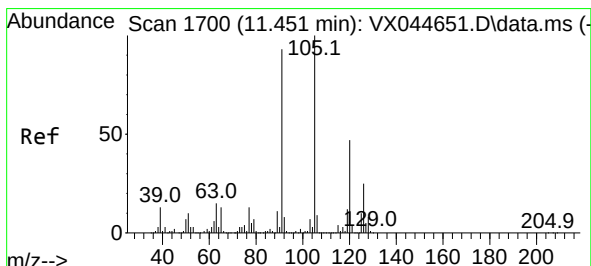
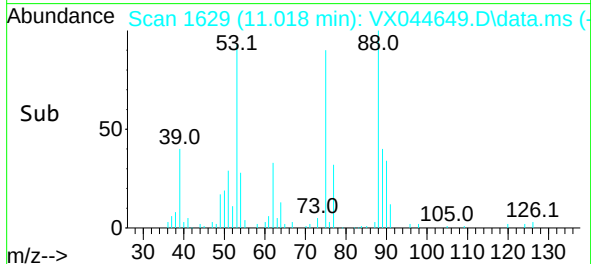
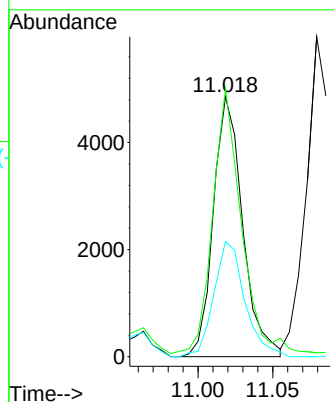
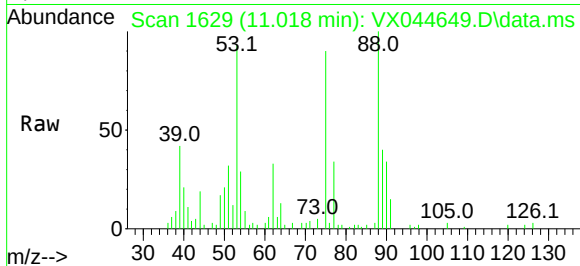




#81
trans-1,4-Dichloro-2-butene
Concen: 5.042 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

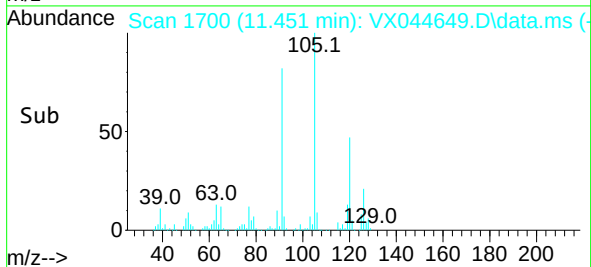
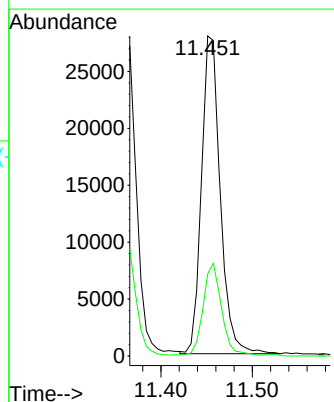
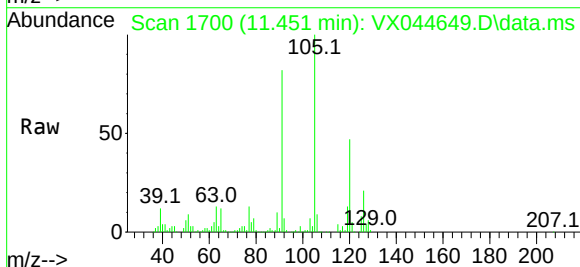
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

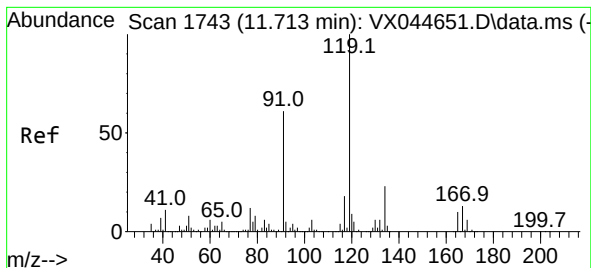
Tgt Ion: 75 Resp: 6607
Ion Ratio Lower Upper
75 100
53 100.4 74.3 111.5
89 46.8 37.4 56.0



#82
4-Chlorotoluene
Concen: 5.051 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 91 Resp: 39763
Ion Ratio Lower Upper
91 100
126 28.1 13.9 41.7





#83

tert-Butylbenzene

Concen: 5.311 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

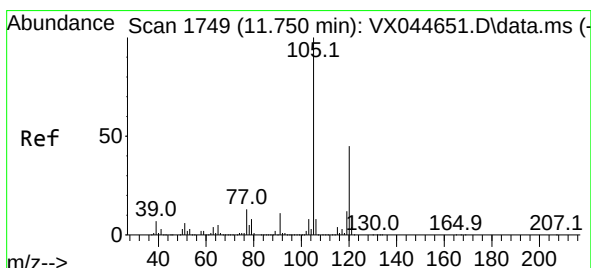
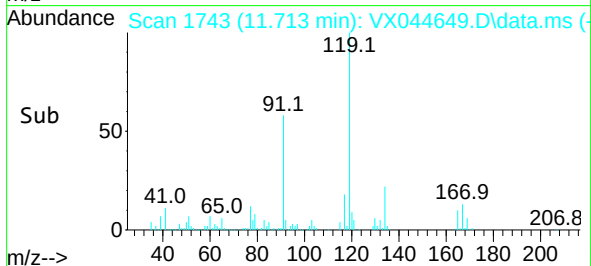
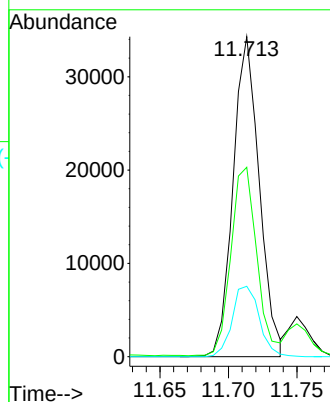
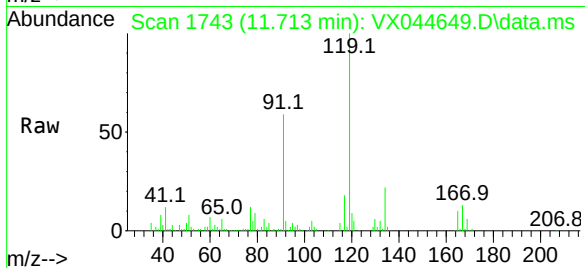
Tgt Ion:119 Resp: 45606

Ion Ratio Lower Upper

119 100

91 58.6 30.0 90.0

134 22.8 11.2 33.5



#84

1,2,4-Trimethylbenzene

Concen: 5.001 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044649.D

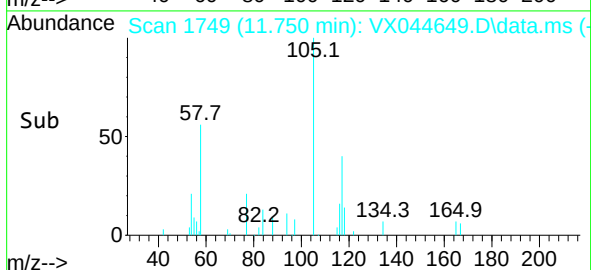
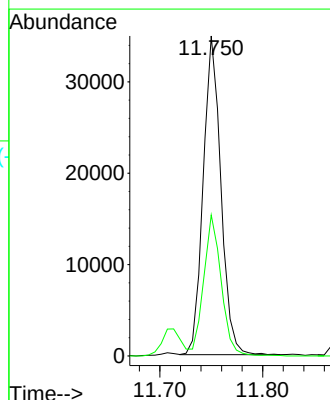
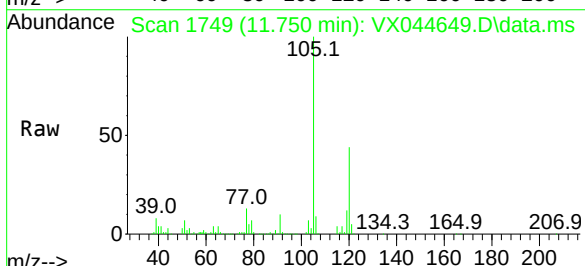
Acq: 15 Jan 2025 11:17

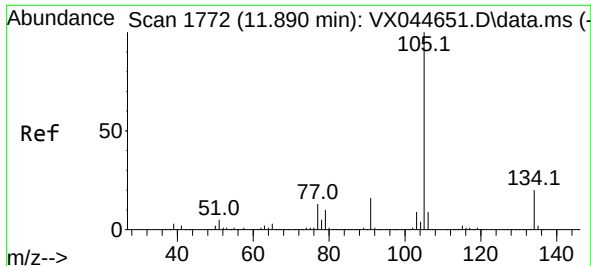
Tgt Ion:105 Resp: 41737

Ion Ratio Lower Upper

105 100

120 43.7 22.2 66.6

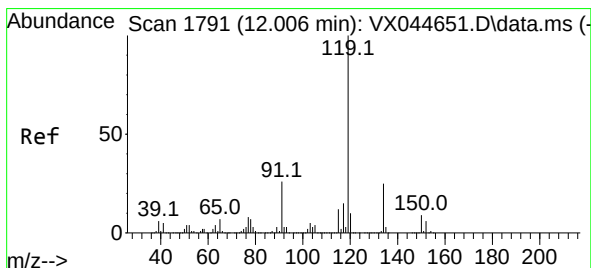
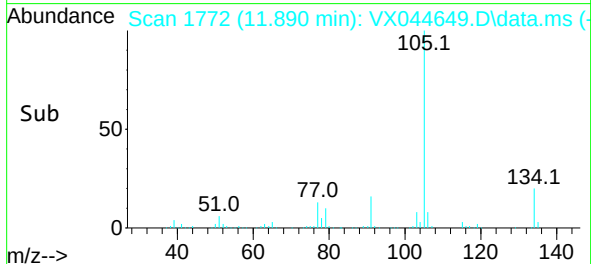
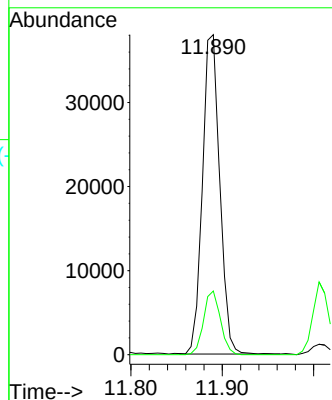
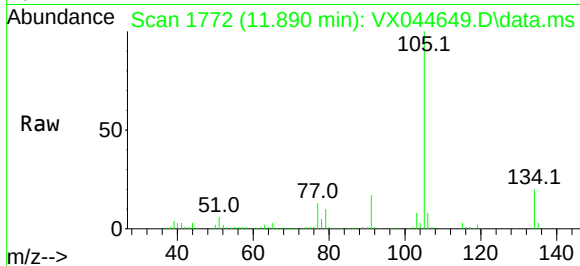




#85
 sec-Butylbenzene
 Concen: 4.987 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044649.D
 Acq: 15 Jan 2025 11:17

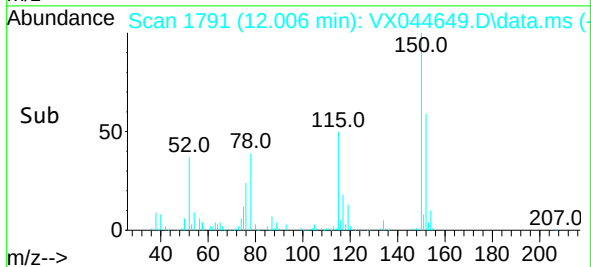
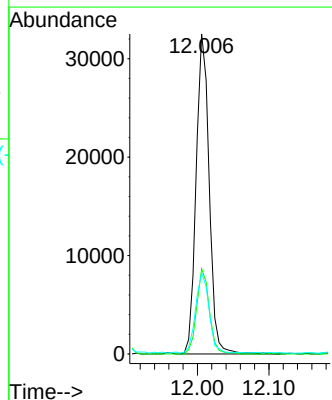
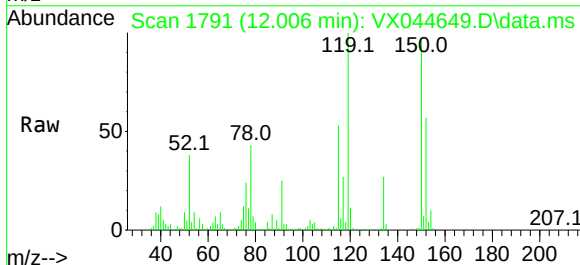
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

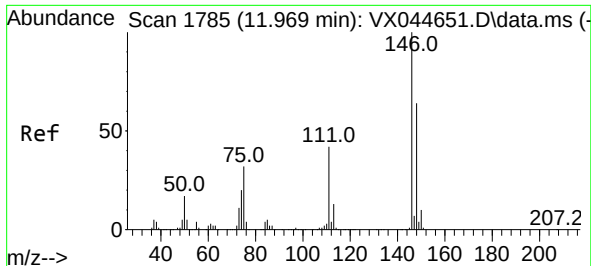
Tgt Ion:105 Resp: 49858
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 5.016 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044649.D
 Acq: 15 Jan 2025 11:17

Tgt Ion:119 Resp: 41214
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.8 38.4
 91 25.8 12.7 38.1

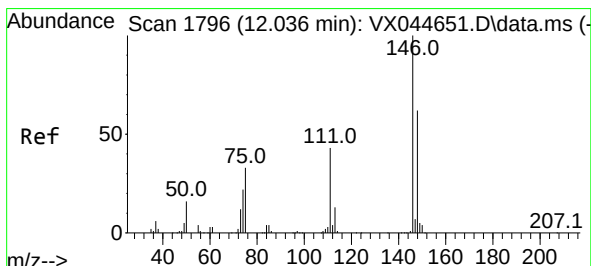
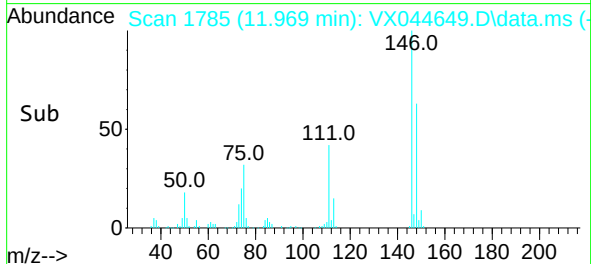
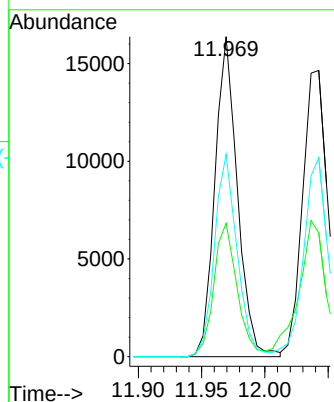
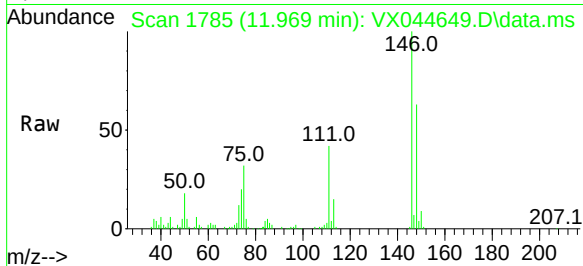




#87
 1,3-Dichlorobenzene
 Concen: 4.956 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. 0.000 min
 Lab File: VX044649.D
 Acq: 15 Jan 2025 11:17

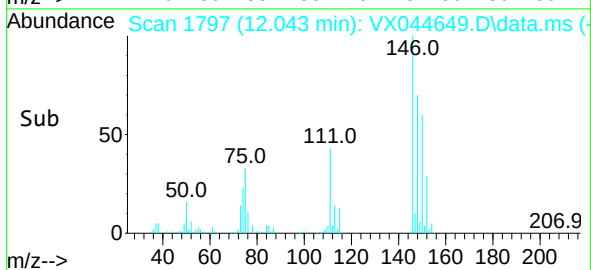
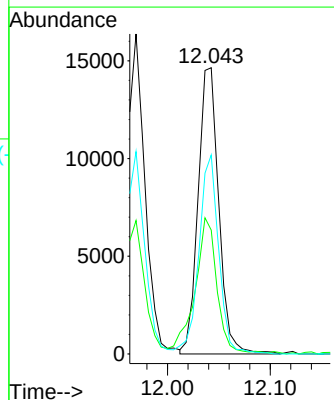
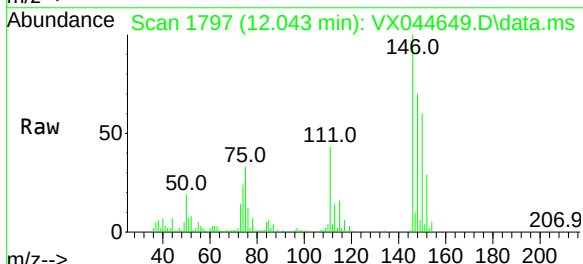
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

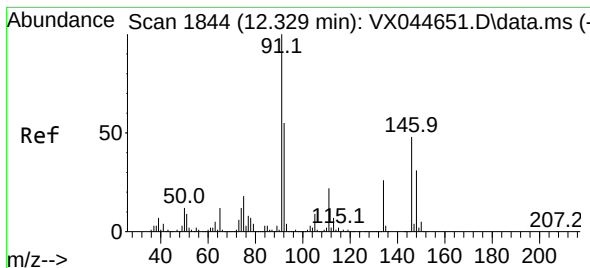
Tgt Ion:146 Resp: 20268
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.9 65.7
 148 63.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 4.972 ug/l
 RT: 12.043 min Scan# 1797
 Delta R.T. 0.006 min
 Lab File: VX044649.D
 Acq: 15 Jan 2025 11:17

Tgt Ion:146 Resp: 20555
 Ion Ratio Lower Upper
 146 100
 111 51.4 21.5 64.5
 148 66.7 32.1 96.5





#89

n-Butylbenzene

Concen: 4.747 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

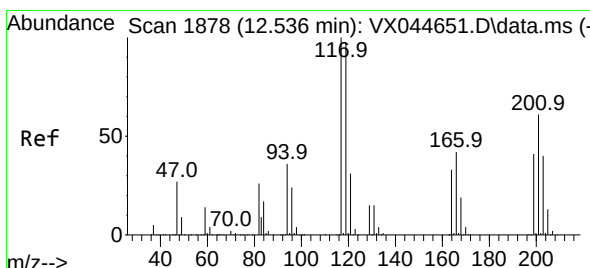
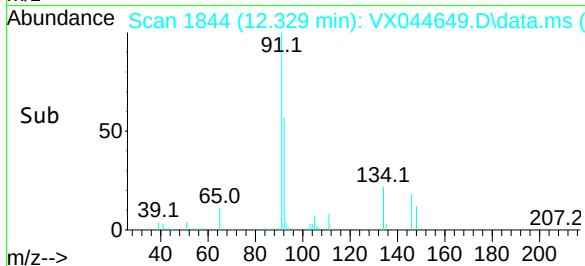
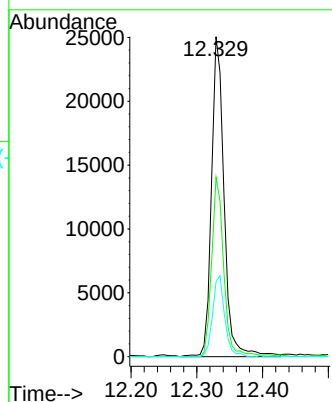
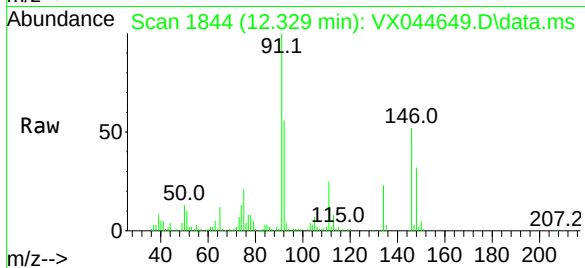
Tgt Ion: 91 Resp: 33505

Ion Ratio Lower Upper

91 100

92 53.5 27.4 82.0

134 24.2 12.8 38.3



#90

Hexachloroethane

Concen: 5.012 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044649.D

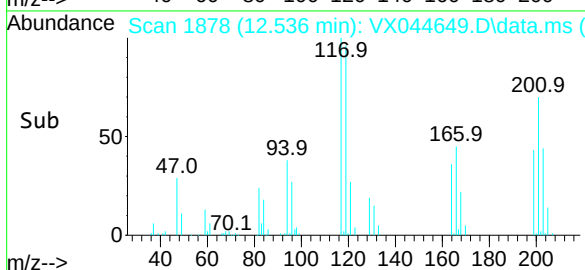
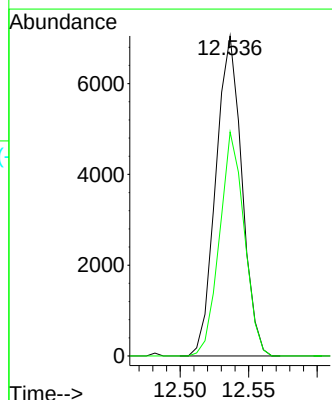
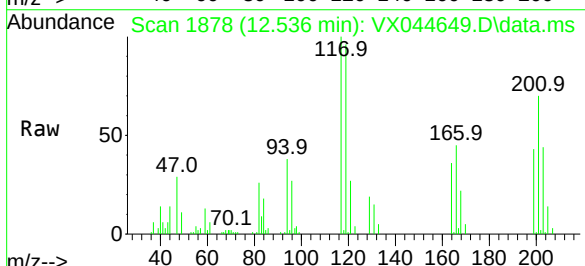
Acq: 15 Jan 2025 11:17

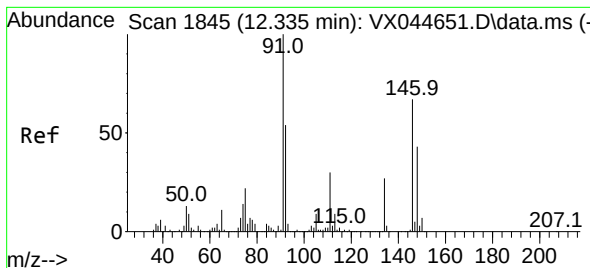
Tgt Ion: 117 Resp: 9325

Ion Ratio Lower Upper

117 100

201 66.5 32.3 96.8





#91

1,2-Dichlorobenzene

Concen: 5.165 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

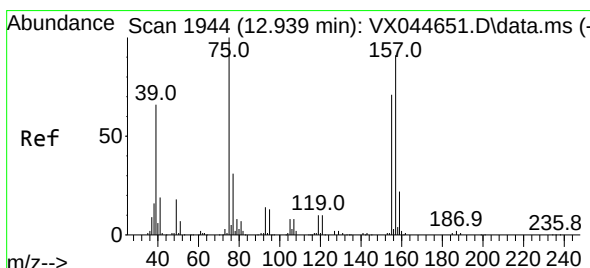
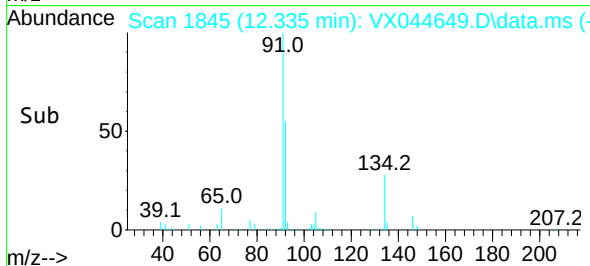
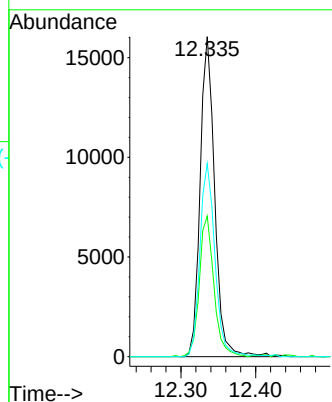
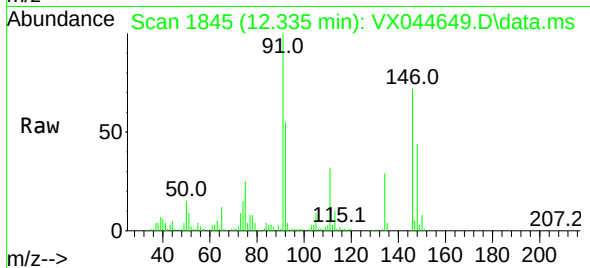
Tgt Ion:146 Resp: 21690

Ion Ratio Lower Upper

146 100

111 44.3 22.4 67.2

148 62.5 31.6 94.8



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.145 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

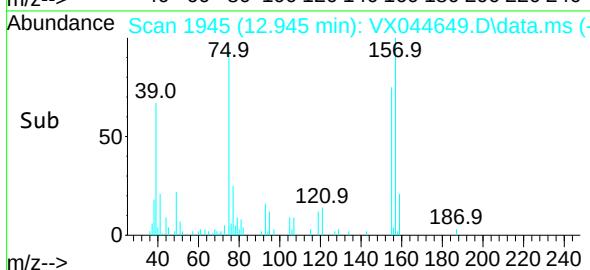
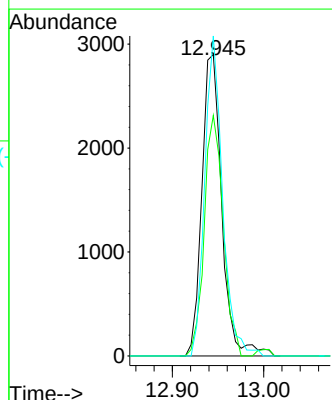
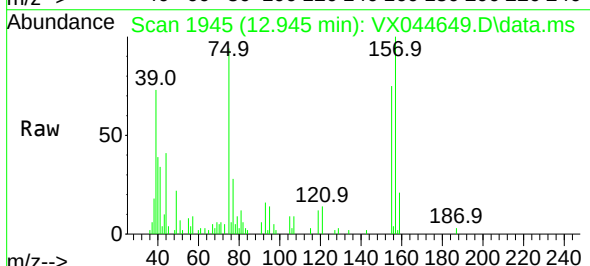
Tgt Ion: 75 Resp: 4384

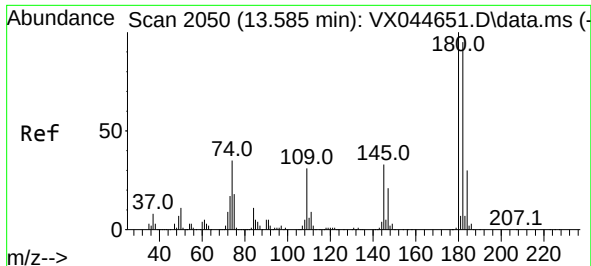
Ion Ratio Lower Upper

75 100

155 76.0 39.0 116.9

157 94.7 49.9 149.7

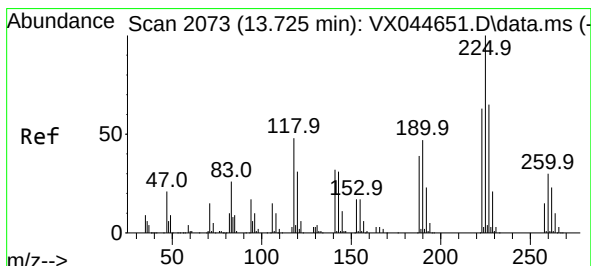
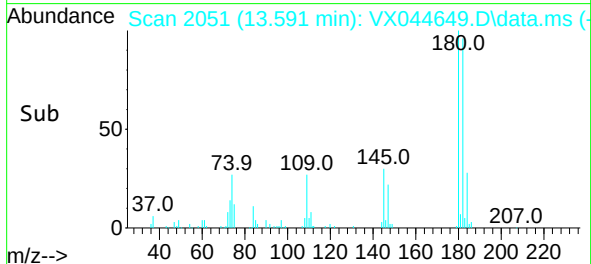
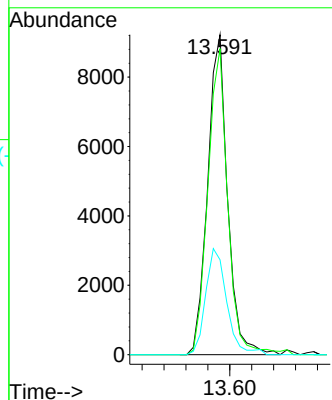
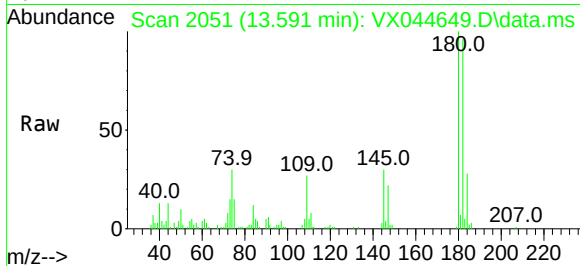




#93
 1,2,4-Trichlorobenzene
 Concen: 4.640 ug/l
 RT: 13.591 min Scan# 2050
 Delta R.T. 0.006 min
 Lab File: VX044649.D
 Acq: 15 Jan 2025 11:17

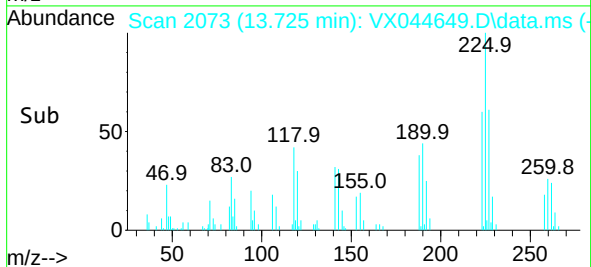
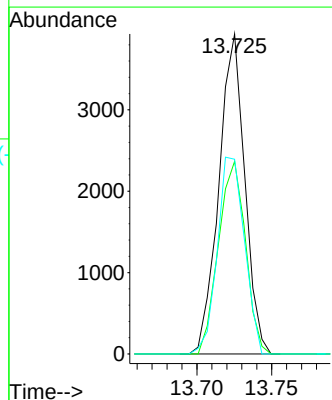
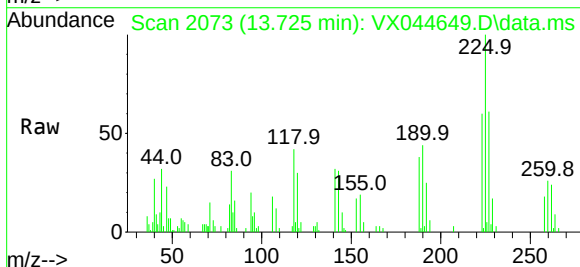
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

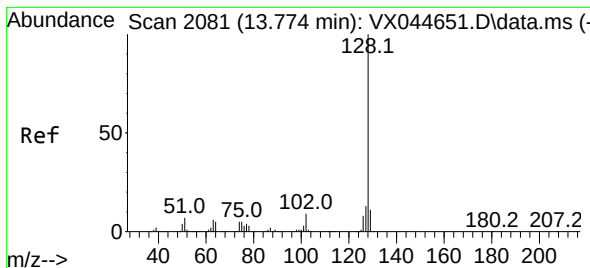
Tgt Ion:180 Resp: 11649
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.4 142.2
 145 35.1 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 4.804 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX044649.D
 Acq: 15 Jan 2025 11:17

Tgt Ion:225 Resp: 4738
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.9 95.7
 227 64.2 31.8 95.4





#95

Naphthalene

Concen: 4.794 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

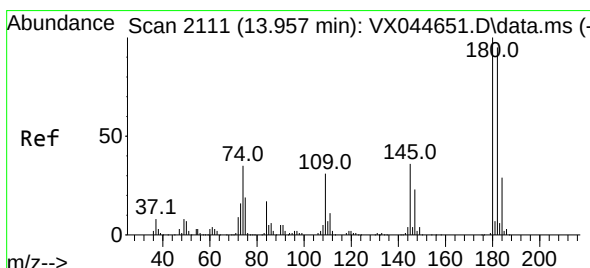
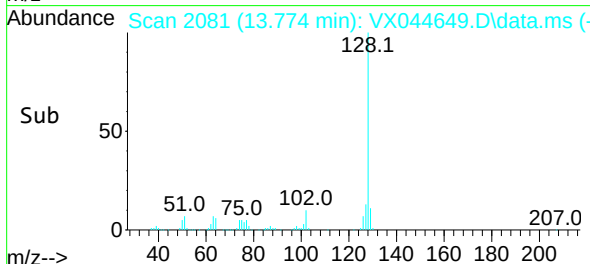
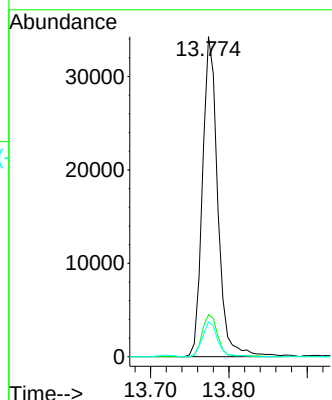
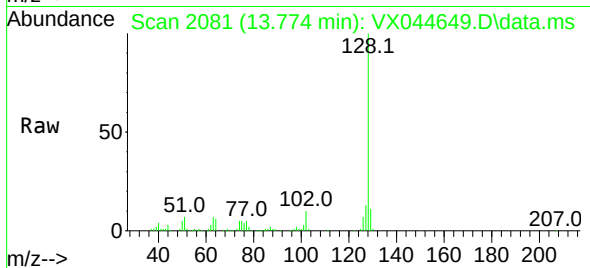
Tgt Ion:128 Resp: 46418

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 10.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 4.710 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044649.D

Acq: 15 Jan 2025 11:17

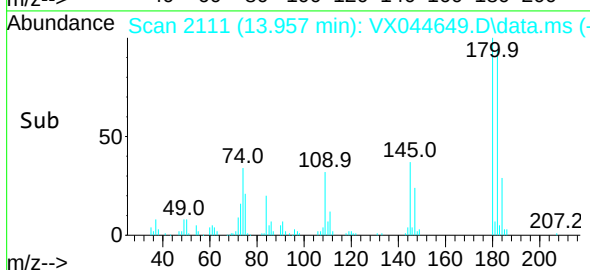
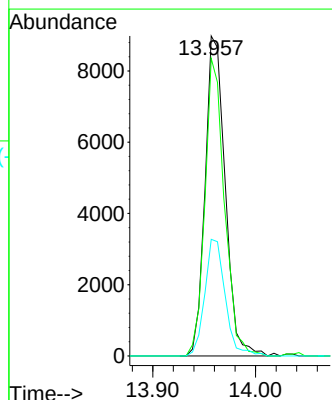
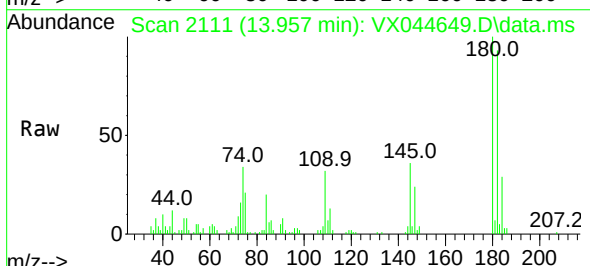
Tgt Ion:180 Resp: 12258

Ion Ratio Lower Upper

180 100

182 90.2 47.2 141.6

145 36.9 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044650.D
 Acq On : 15 Jan 2025 11:40
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Jan 30 04:55:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	189658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	351528	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	305422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	130861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	52421	18.311	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	36.620%#
35) Dibromofluoromethane	5.379	113	40585	18.173	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	36.340%#
50) Toluene-d8	8.647	98	147843	18.987	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	37.980%#
62) 4-Bromofluorobenzene	11.079	95	55407	19.087	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	38.180%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	48623	19.052	ug/l	97
3) Chloromethane	1.295	50	54827	19.866	ug/l	97
4) Vinyl Chloride	1.374	62	51689	18.955	ug/l	98
5) Bromomethane	1.593	94	12588	19.333	ug/l	98
6) Chloroethane	1.660	64	8576	17.150	ug/l	98
7) Trichlorofluoromethane	1.868	101	57313	19.017	ug/l	100
8) Diethyl Ether	2.136	74	23029	18.934	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	42608	18.807	ug/l	98
10) Methyl Iodide	2.441	142	63102	20.401	ug/l	99
11) Tert butyl alcohol	2.977	59	37704	59.079	ug/l #	80
12) 1,1-Dichloroethene	2.307	96	43408	19.547	ug/l	98
13) Acrolein	2.233	56	24912	82.949	ug/l	93
14) Allyl chloride	2.654	41	81766	18.911	ug/l	100
15) Acrylonitrile	3.063	53	123315	98.515	ug/l	98
16) Acetone	2.386	43	103836	91.678	ug/l	98
17) Carbon Disulfide	2.502	76	119145	19.662	ug/l	100
18) Methyl Acetate	2.703	43	62684	17.939	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	158601	19.718	ug/l	98
20) Methylene Chloride	2.782	84	51758	19.623	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	44786	19.317	ug/l	95
22) Diisopropyl ether	3.758	45	151033	20.095	ug/l	94
23) Vinyl Acetate	3.715	43	666641	101.337	ug/l	100
24) 1,1-Dichloroethane	3.605	63	88060	19.758	ug/l	100
25) 2-Butanone	4.556	43	168309	99.946	ug/l	99
26) 2,2-Dichloropropane	4.465	77	82977	19.209	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	56594	19.406	ug/l	99
28) Bromochloromethane	4.891	49	39526	18.978	ug/l	98
29) Tetrahydrofuran	5.001	42	106241	97.807	ug/l	100
30) Chloroform	5.087	83	89891	19.985	ug/l	99
31) Cyclohexane	5.458	56	72527	20.120	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	78644	19.019	ug/l	100
36) 1,1-Dichloropropene	5.684	75	59303	19.076	ug/l	99
37) Ethyl Acetate	4.715	43	66324	20.034	ug/l	98
38) Carbon Tetrachloride	5.666	117	65838	18.829	ug/l	95
39) Methylcyclohexane	7.373	83	78248	18.961	ug/l	97
40) Benzene	6.032	78	191801	19.911	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044650.D
 Acq On : 15 Jan 2025 11:40
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Jan 30 04:55:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	36180	18.755	ug/l	98
42) 1,2-Dichloroethane	6.080	62	69034	19.635	ug/l	99
43) Isopropyl Acetate	6.336	43	119568	19.633	ug/l	99
44) Trichloroethene	7.117	130	45597	19.689	ug/l	94
45) 1,2-Dichloropropane	7.428	63	47111	19.429	ug/l	100
46) Dibromomethane	7.580	93	35056	18.991	ug/l	98
47) Bromodichloromethane	7.818	83	72837	19.241	ug/l	94
48) Methyl methacrylate	7.690	41	57413	20.310	ug/l	99
49) 1,4-Dioxane	7.665	88	23433	397.311	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	338304	100.520	ug/l	99
52) Toluene	8.714	92	119410	20.253	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	79260	20.266	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	84851	20.008	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	47930	20.093	ug/l	97
56) Ethyl methacrylate	9.116	69	84067	20.496	ug/l	98
57) 1,3-Dichloropropane	9.305	76	81718	20.117	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	176999	87.899	ug/l	99
59) 2-Hexanone	9.427	43	250792	101.288	ug/l	99
60) Dibromochloromethane	9.519	129	56038	20.015	ug/l	99
61) 1,2-Dibromoethane	9.604	107	50060	20.025	ug/l	99
64) Tetrachloroethene	9.269	164	36566	19.066	ug/l	96
65) Chlorobenzene	10.073	112	126540	19.506	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	45959	19.493	ug/l	99
67) Ethyl Benzene	10.189	91	223249	19.723	ug/l	99
68) m/p-Xylenes	10.299	106	167689	39.921	ug/l	100
69) o-Xylene	10.640	106	84280	19.840	ug/l	99
70) Styrene	10.653	104	138465	20.189	ug/l	99
71) Bromoform	10.799	173	36839	19.198	ug/l #	98
73) Isopropylbenzene	10.957	105	211633	19.797	ug/l	99
74) N-amyl acetate	10.842	43	103040	19.555	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	73190	19.823	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	80837	25.454	ug/l	83
77) Bromobenzene	11.195	156	48555	19.432	ug/l	100
78) n-propylbenzene	11.299	91	234567	19.896	ug/l	100
79) 2-Chlorotoluene	11.360	91	149688	19.655	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	173348	19.919	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	27061	19.486	ug/l	98
82) 4-Chlorotoluene	11.451	91	166586	19.968	ug/l	100
83) tert-Butylbenzene	11.713	119	178504	19.617	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	175164	19.807	ug/l	99
85) sec-Butylbenzene	11.890	105	208186	19.649	ug/l	100
86) p-Isopropyltoluene	12.006	119	171507	19.697	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	84759	19.560	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	84055	19.188	ug/l	100
89) n-Butylbenzene	12.329	91	145015	19.391	ug/l	99
90) Hexachloroethane	12.536	117	36858	18.693	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	87147	19.582	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16770	18.572	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	49471	18.595	ug/l	98
94) Hexachlorobutadiene	13.719	225	19513	18.672	ug/l	99
95) Naphthalene	13.774	128	198769	19.372	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	52651	19.093	ug/l	99

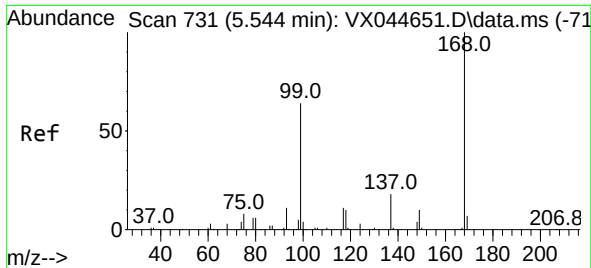
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Data File : VX044650.D
Acq On : 15 Jan 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Jan 30 04:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

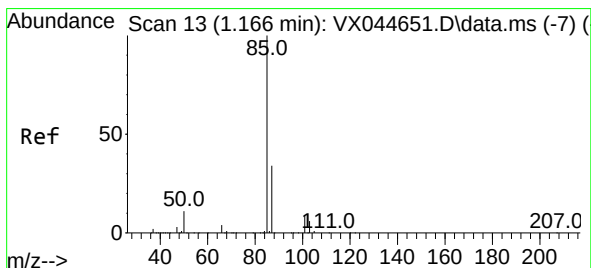
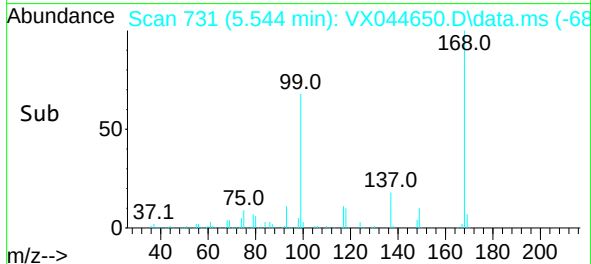
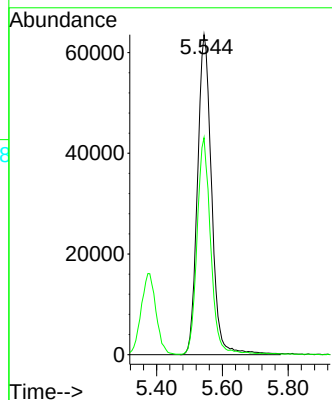
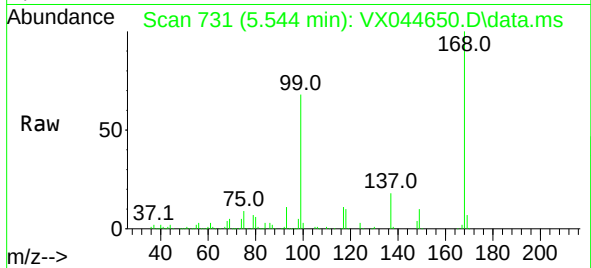
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

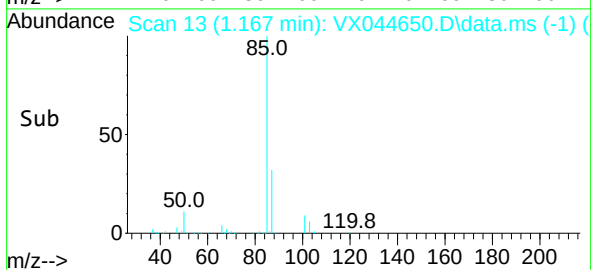
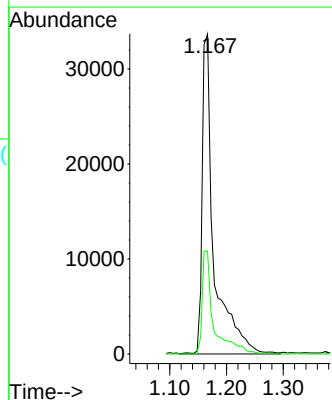
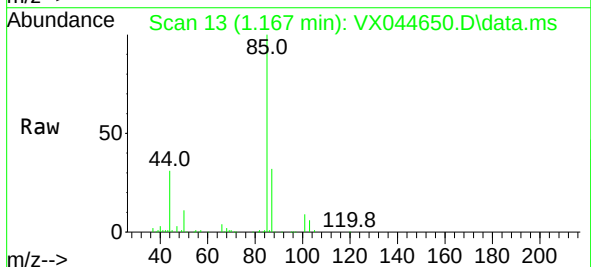
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

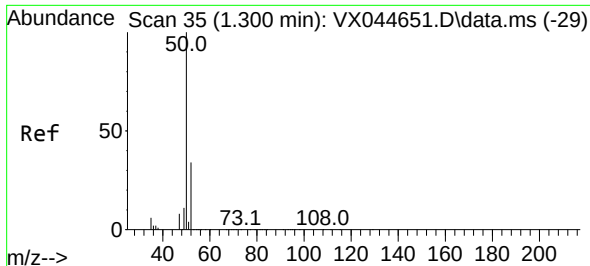
Tgt Ion:168 Resp: 189658
Ion Ratio Lower Upper
168 100
99 67.7 51.1 76.7



#2
Dichlorodifluoromethane
Concen: 19.052 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 85 Resp: 48623
Ion Ratio Lower Upper
85 100
87 32.1 16.8 50.4

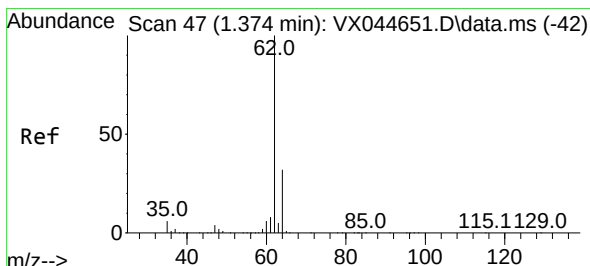
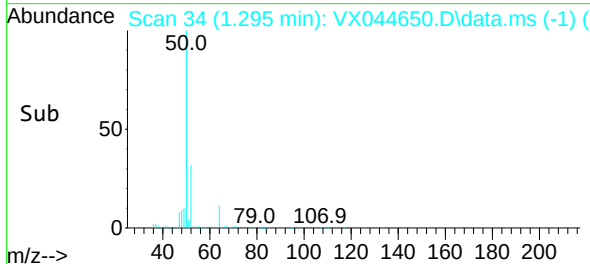
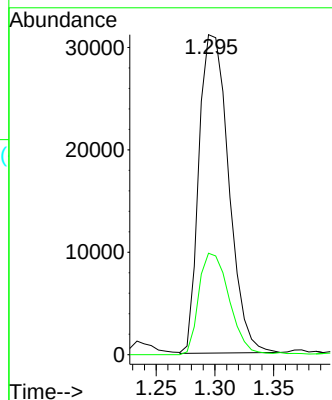
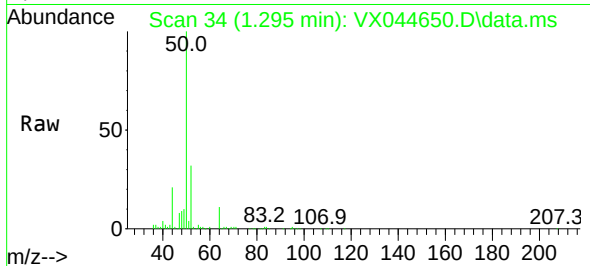




#3
Chloromethane
Concen: 19.866 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

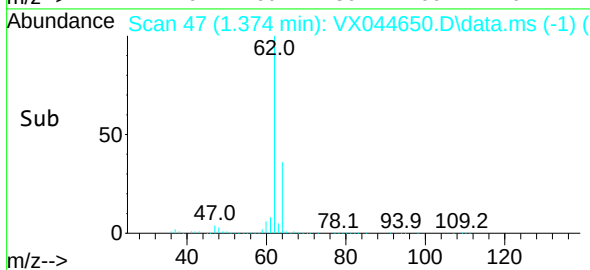
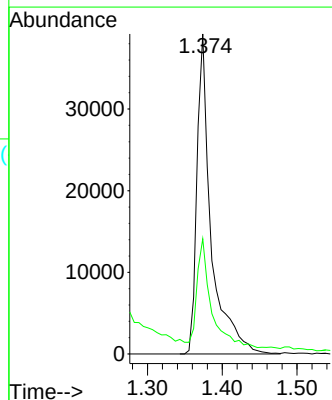
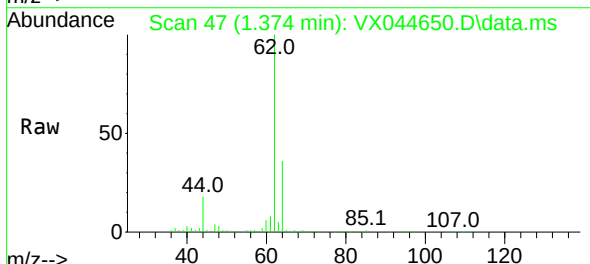
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

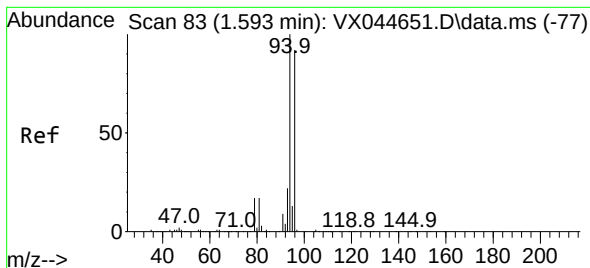
Tgt Ion: 50 Resp: 54827
Ion Ratio Lower Upper
50 100
52 31.9 27.0 40.4



#4
Vinyl Chloride
Concen: 18.955 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 62 Resp: 51689
Ion Ratio Lower Upper
62 100
64 34.3 26.6 39.8





#5

Bromomethane

Concen: 19.333 ug/l

RT: 1.593 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

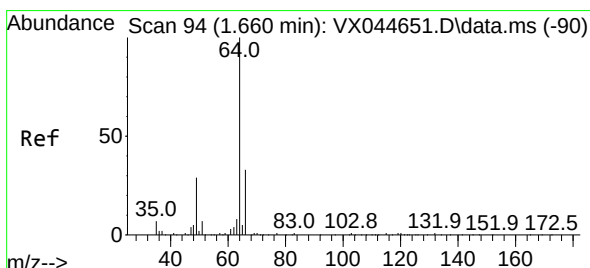
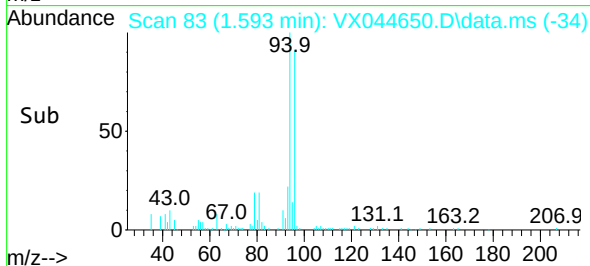
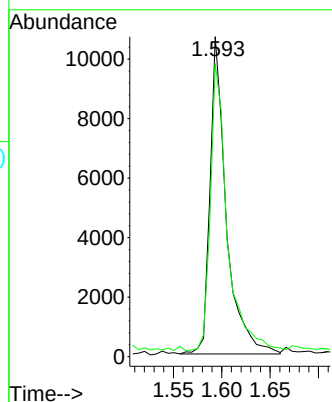
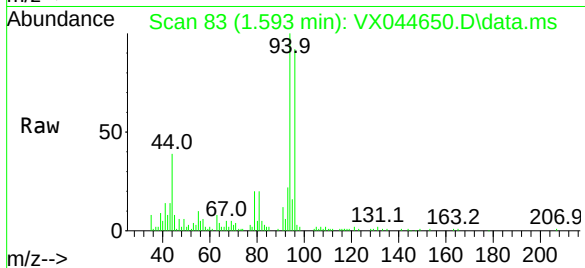
VSTDICC020

Tgt Ion: 94 Resp: 12588

Ion Ratio Lower Upper

94 100

96 89.5 72.8 109.2



#6

Chloroethane

Concen: 17.150 ug/l

RT: 1.660 min Scan# 94

Delta R.T. 0.000 min

Lab File: VX044650.D

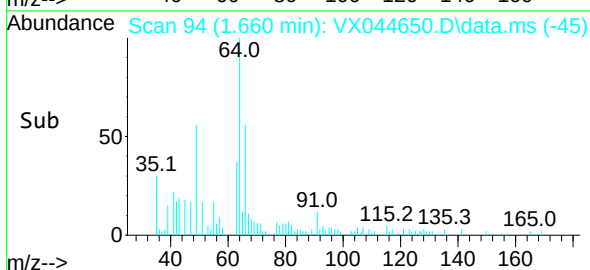
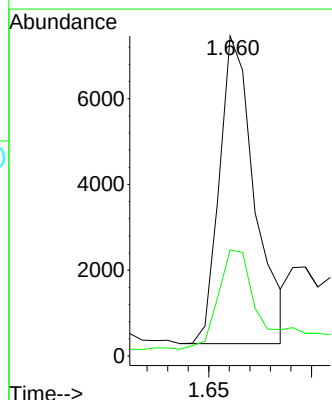
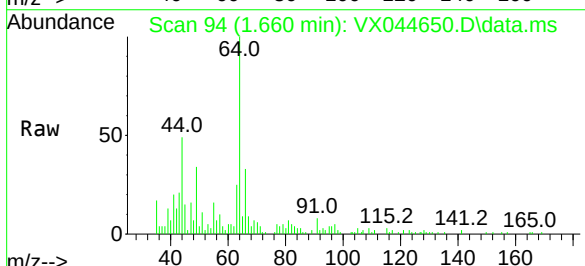
Acq: 15 Jan 2025 11:40

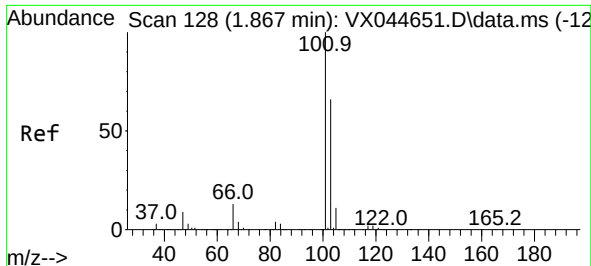
Tgt Ion: 64 Resp: 8576

Ion Ratio Lower Upper

64 100

66 32.3 26.6 39.8

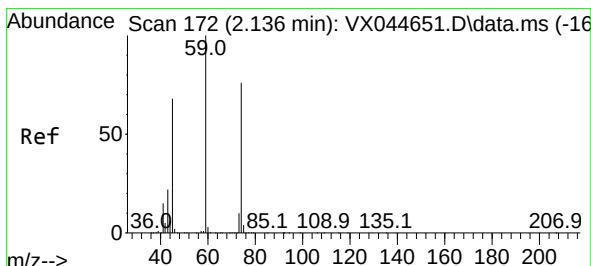
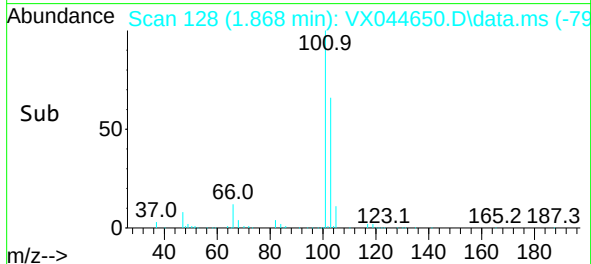
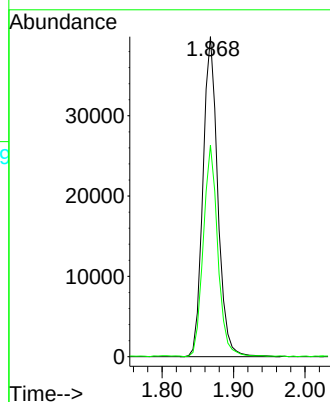
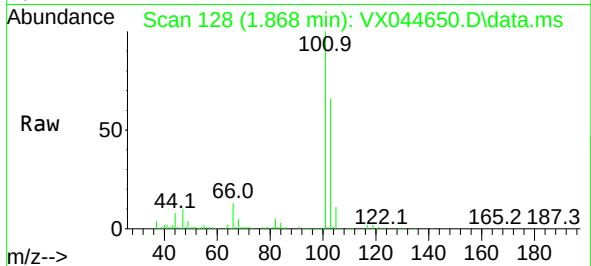




#7
 Trichlorofluoromethane
 Concen: 19.017 ug/l
 RT: 1.868 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044650.D
 Acq: 15 Jan 2025 11:40

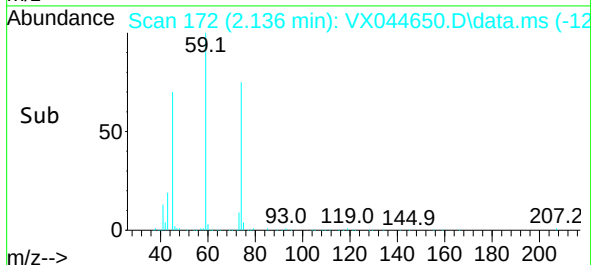
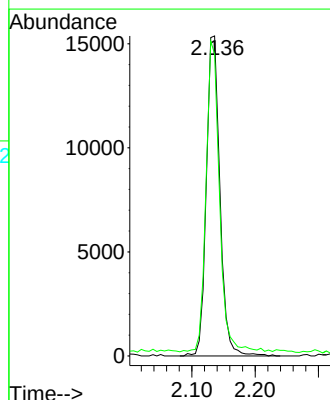
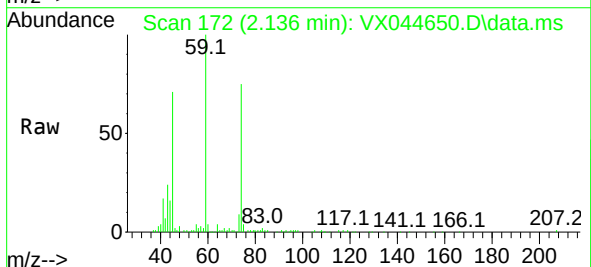
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

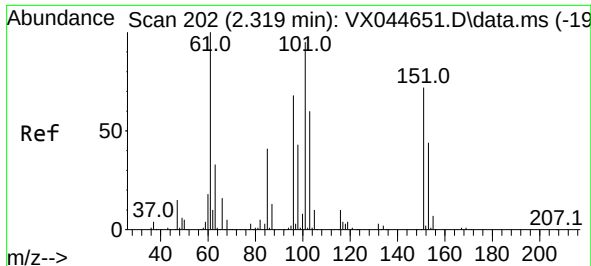
Tgt Ion:101 Resp: 57313
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.5 78.7



#8
 Diethyl Ether
 Concen: 18.934 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. 0.000 min
 Lab File: VX044650.D
 Acq: 15 Jan 2025 11:40

Tgt Ion: 74 Resp: 23029
 Ion Ratio Lower Upper
 74 100
 45 95.7 47.1 141.3

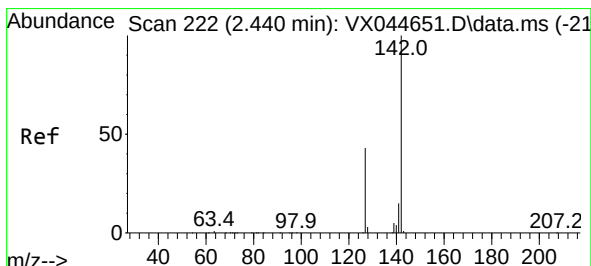
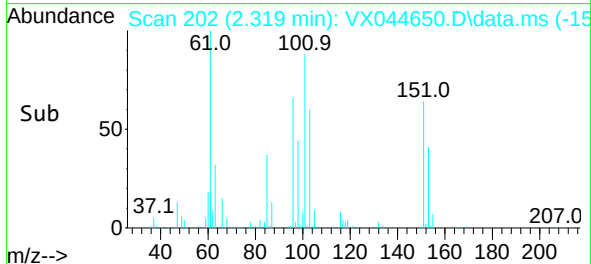
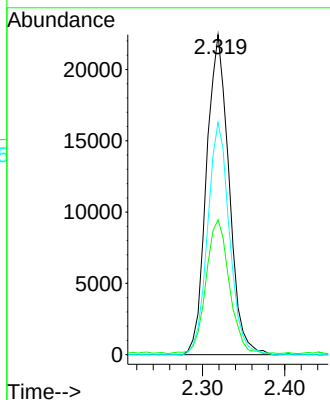
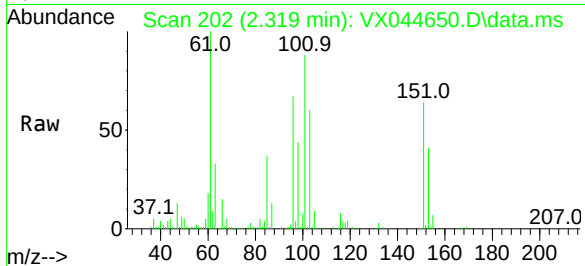




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.807 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

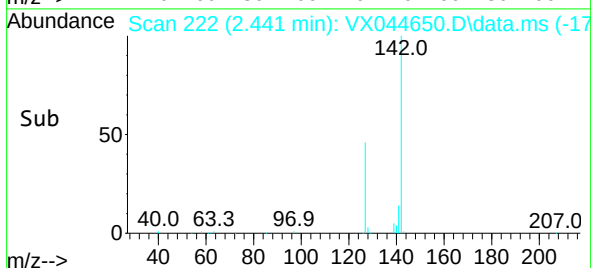
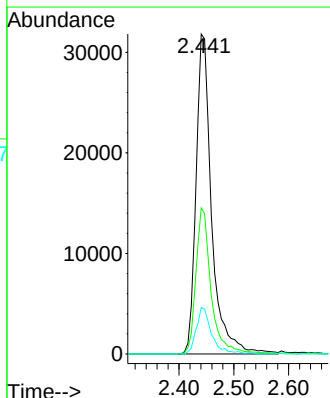
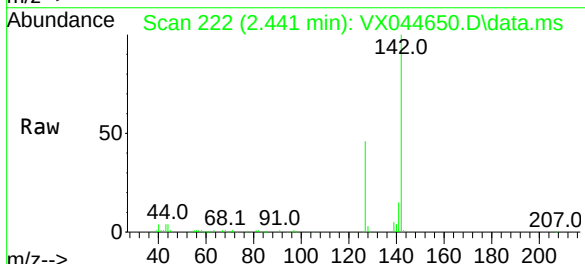
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

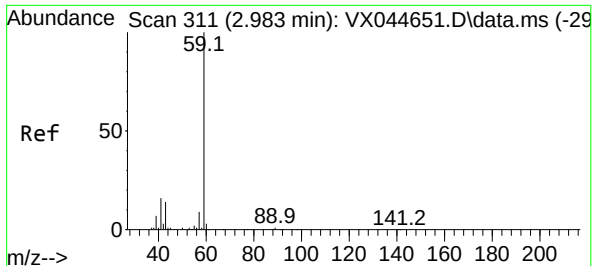
Tgt Ion:101 Resp: 42608
Ion Ratio Lower Upper
101 100
85 43.3 35.3 52.9
151 70.4 58.2 87.4



#10
Methyl Iodide
Concen: 20.401 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:142 Resp: 63102
Ion Ratio Lower Upper
142 100
127 44.6 35.0 52.4
141 14.2 11.7 17.5





#11

Tert butyl alcohol

Concen: 59.079 ug/l

RT: 2.977 min Scan# 311

Delta R.T. -0.006 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

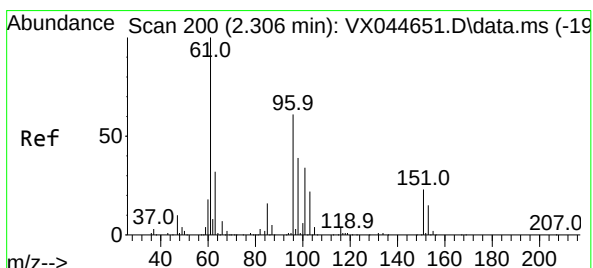
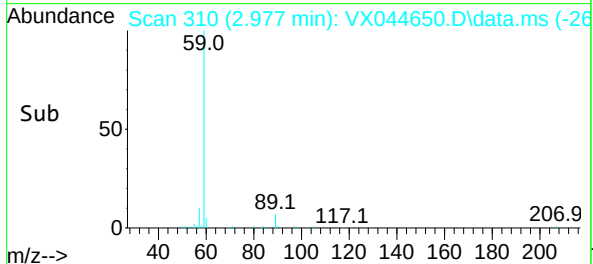
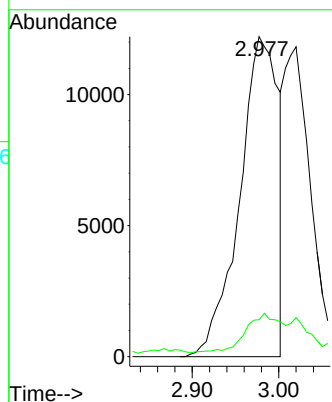
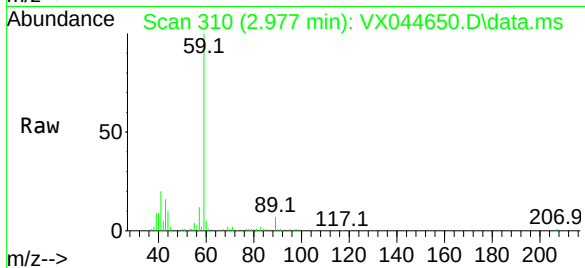
VSTDICC020

Tgt Ion: 59 Resp: 37704

Ion Ratio Lower Upper

59 100

57 11.4 3.9 5.9#



#12

1,1-Dichloroethene

Concen: 19.547 ug/l

RT: 2.307 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

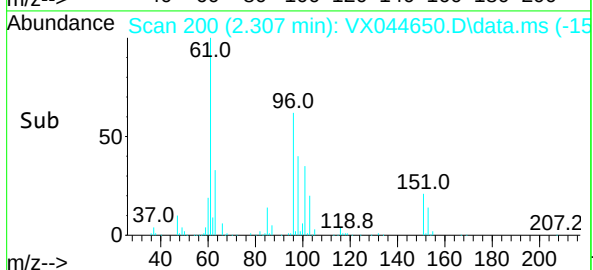
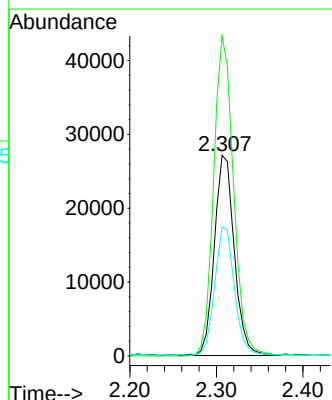
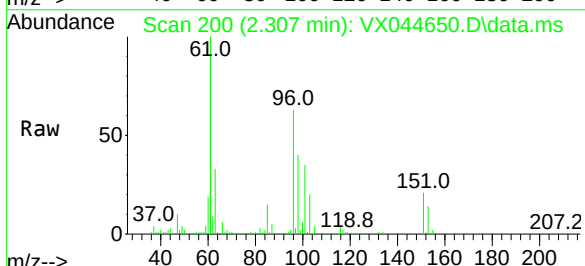
Tgt Ion: 96 Resp: 43408

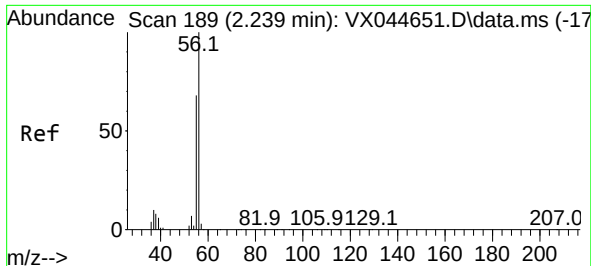
Ion Ratio Lower Upper

96 100

61 159.8 131.1 196.7

98 63.9 51.2 76.8

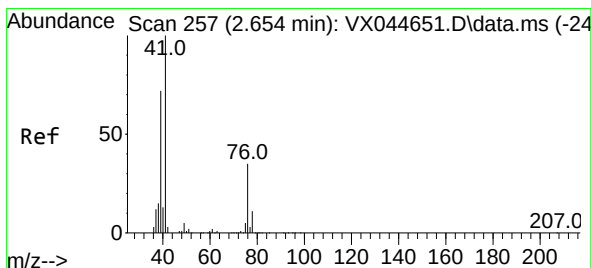
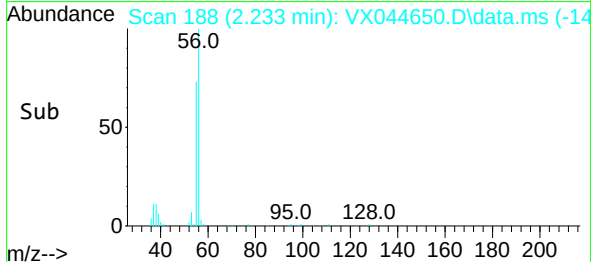
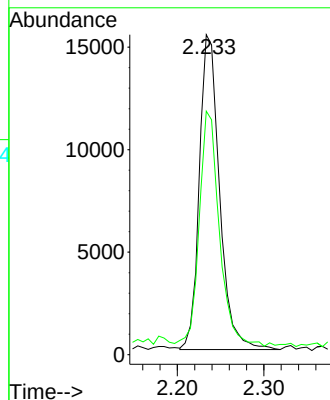
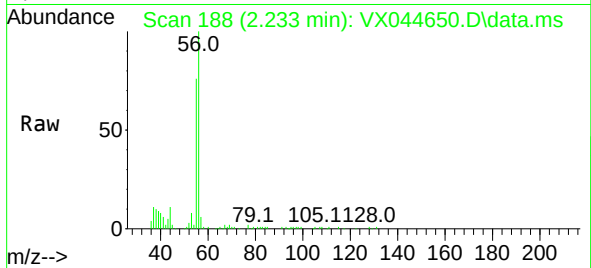




#13
Acrolein
Concen: 82.949 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

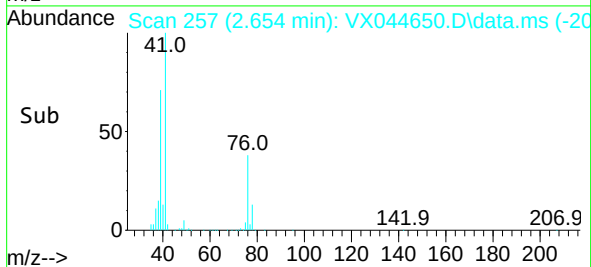
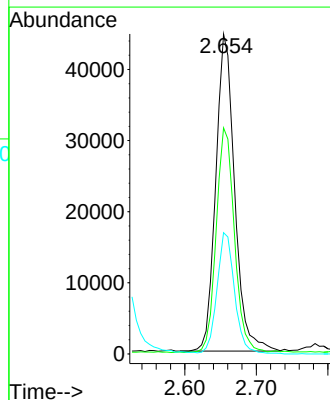
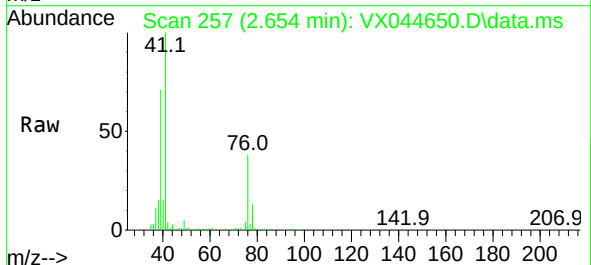
Instrument : MSVOA_X
ClientSampleId : VSTDICC020

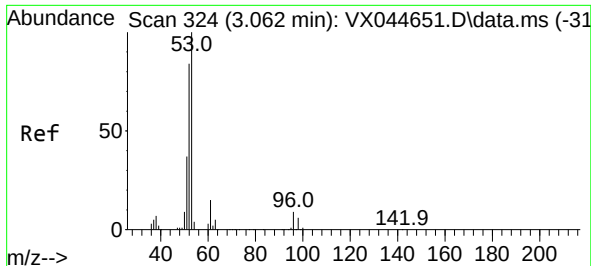
Tgt Ion: 56 Resp: 24912
Ion Ratio Lower Upper
56 100
55 74.5 55.1 82.7



#14
Allyl chloride
Concen: 18.911 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 41 Resp: 81766
Ion Ratio Lower Upper
41 100
39 68.5 54.9 82.3
76 35.8 28.4 42.6

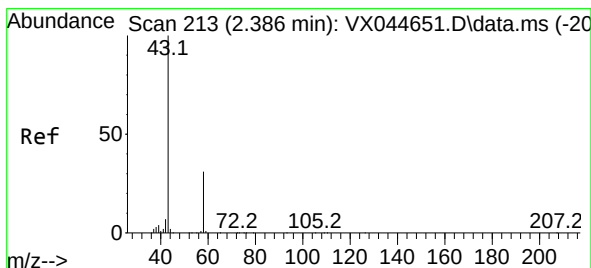
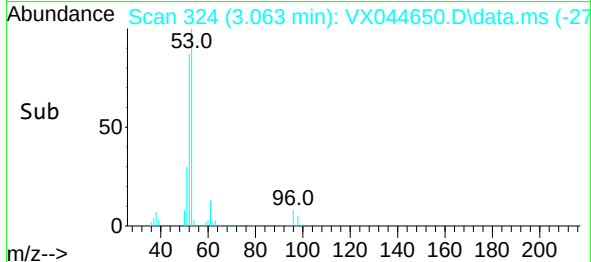
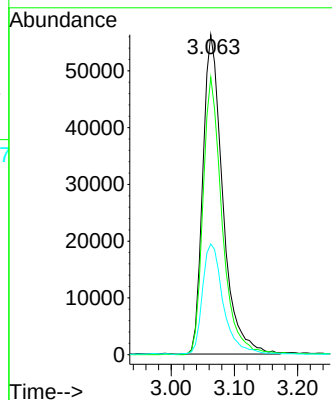
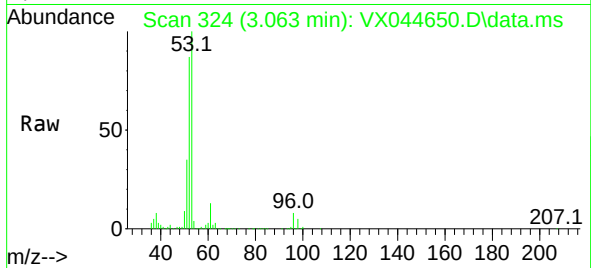




#15
Acrylonitrile
Concen: 98.515 ug/l
RT: 3.063 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

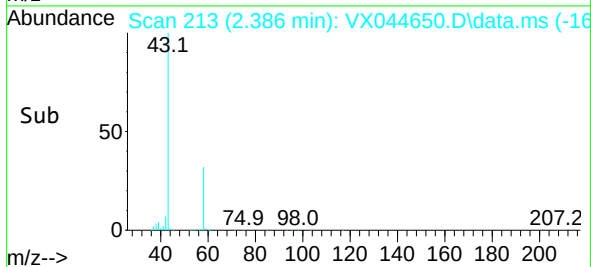
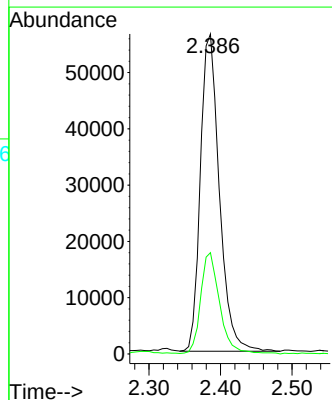
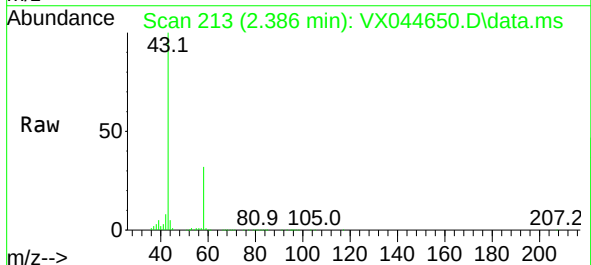
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

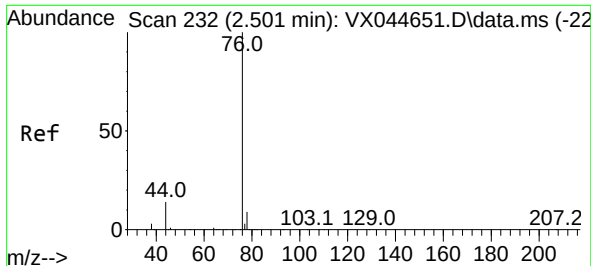
Tgt Ion: 53 Resp: 123315
Ion Ratio Lower Upper
53 100
52 84.1 66.0 99.0
51 36.7 28.9 43.3



#16
Acetone
Concen: 91.678 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 43 Resp: 103836
Ion Ratio Lower Upper
43 100
58 31.9 24.6 37.0

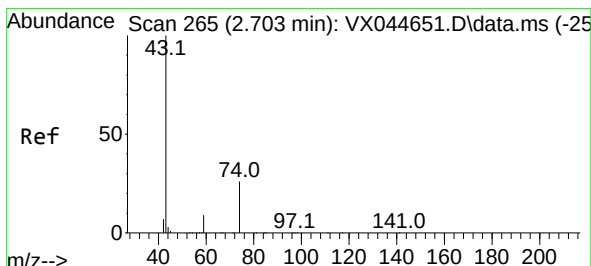
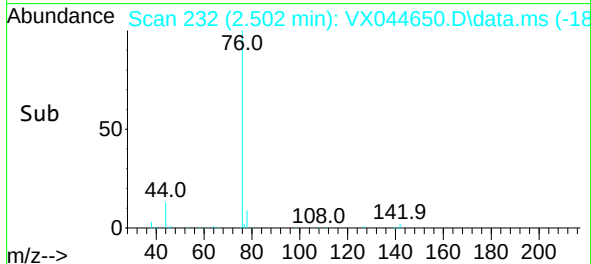
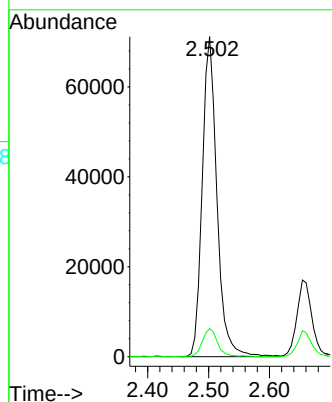
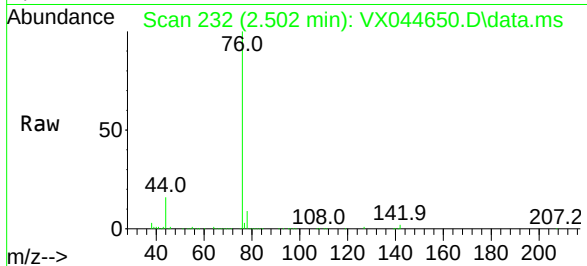




#17
Carbon Disulfide
Concen: 19.662 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

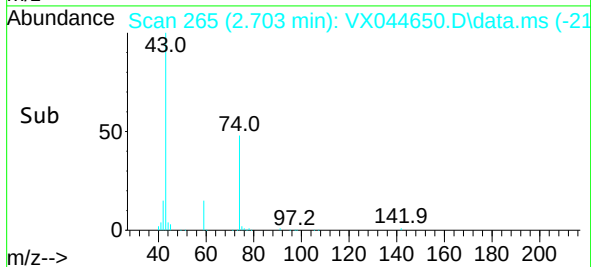
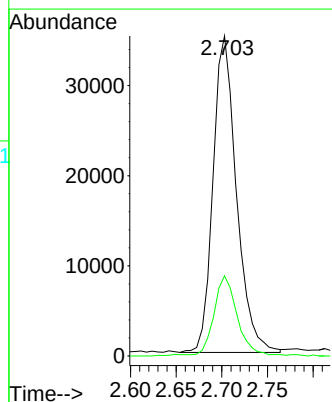
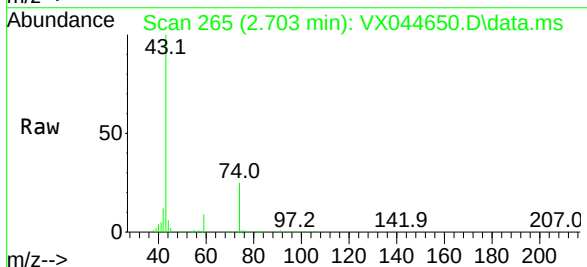
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

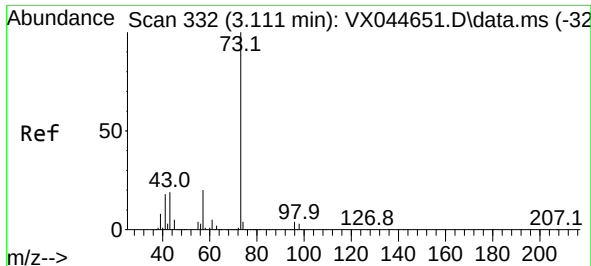
Tgt Ion: 76 Resp: 119145
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 17.939 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 43 Resp: 62684
Ion Ratio Lower Upper
43 100
74 24.3 19.8 29.8





#19

Methyl tert-butyl Ether

Concen: 19.718 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

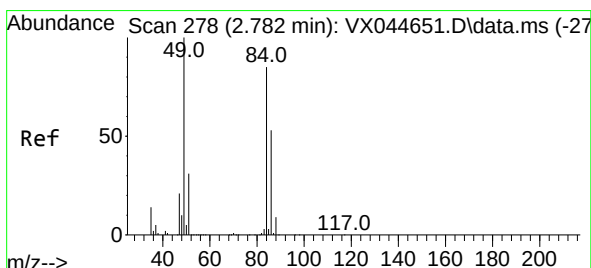
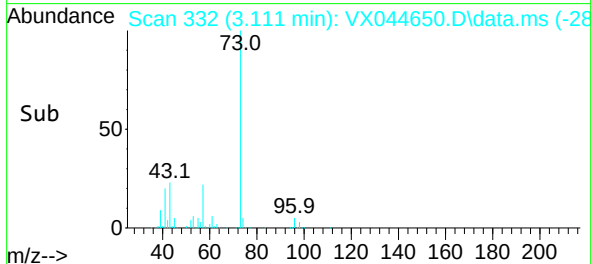
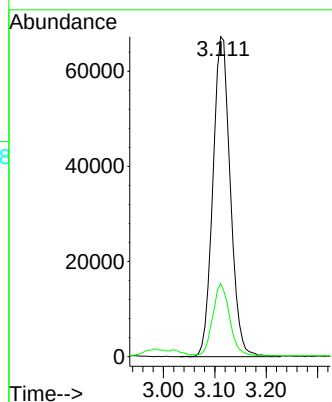
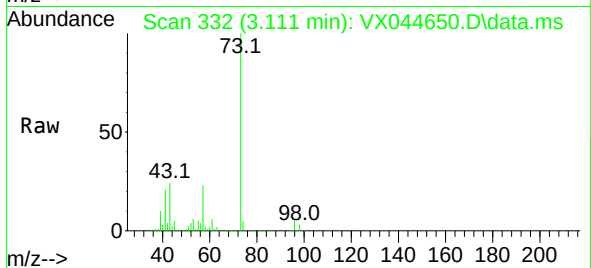
VSTDICC020

Tgt Ion: 73 Resp: 158601

Ion Ratio Lower Upper

73 100

57 22.5 17.4 26.0



#20

Methylene Chloride

Concen: 19.623 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Tgt Ion: 84 Resp: 51758

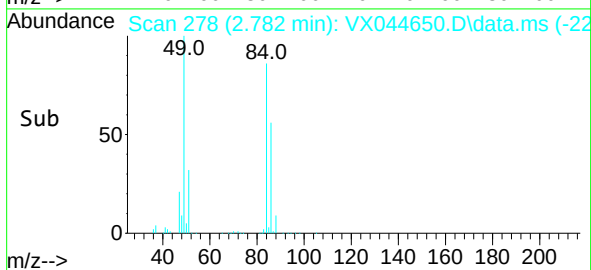
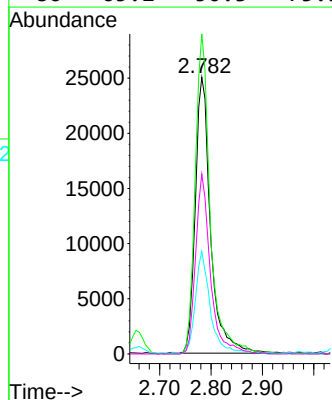
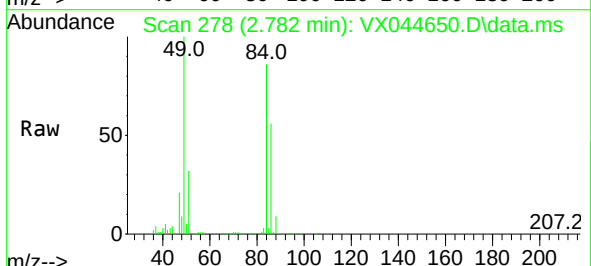
Ion Ratio Lower Upper

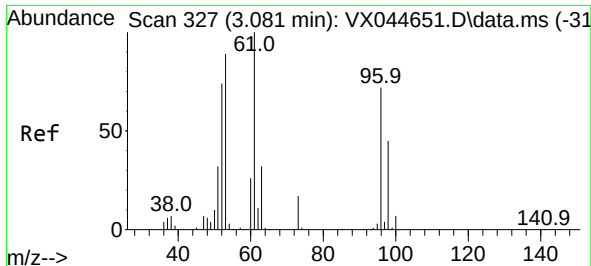
84 100

49 116.0 94.2 141.4

51 37.1 28.8 43.2

86 65.2 50.3 75.5

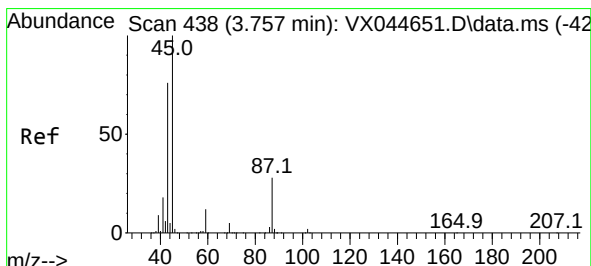
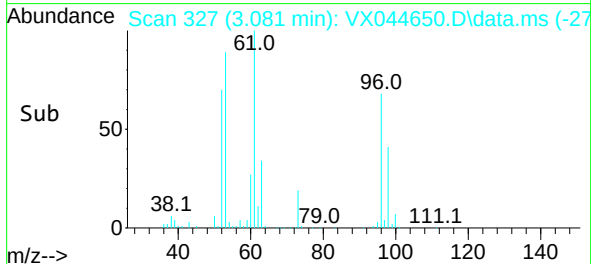
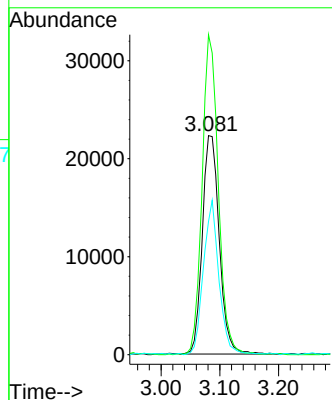
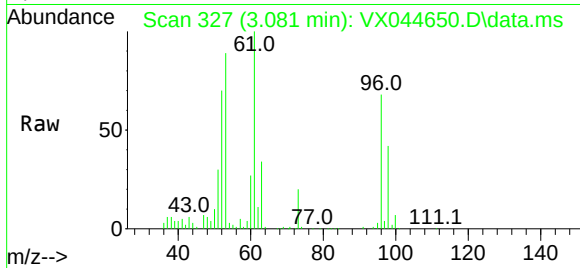




#21
trans-1,2-Dichloroethene
Concen: 19.317 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

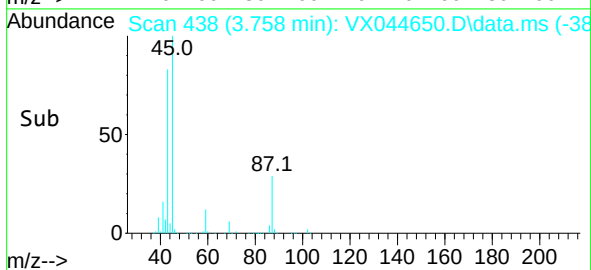
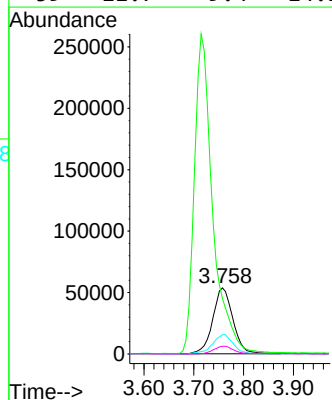
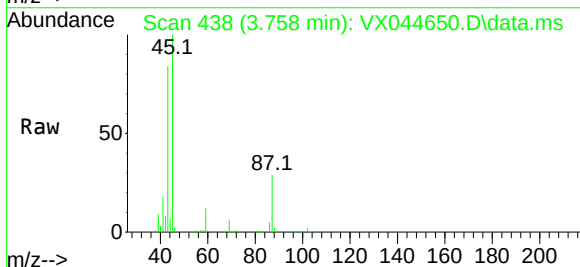
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

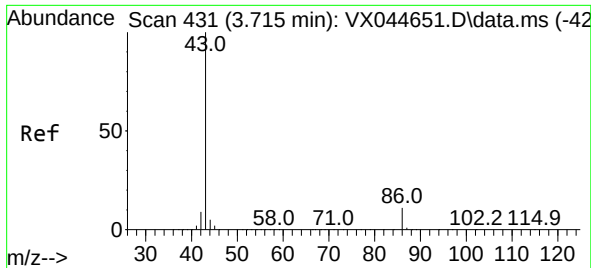
Tgt Ion: 96 Resp: 44786
Ion Ratio Lower Upper
96 100
61 146.2 111.0 166.6
98 61.0 50.2 75.2



#22
Diisopropyl ether
Concen: 20.095 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 45 Resp: 151033
Ion Ratio Lower Upper
45 100
43 83.3 61.0 91.6
87 29.1 22.7 34.1
59 11.7 9.4 14.2

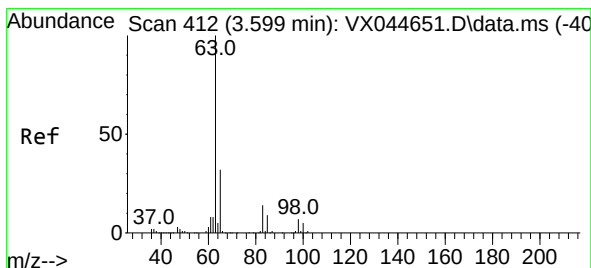
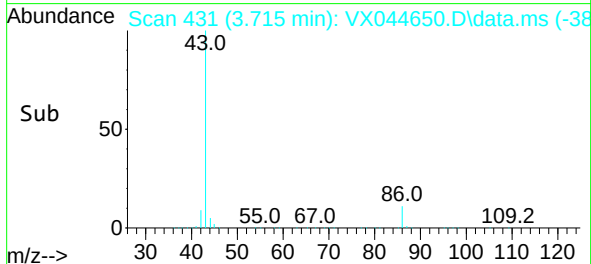
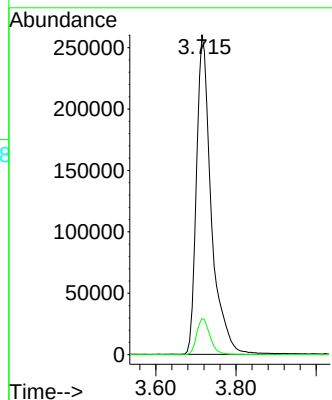
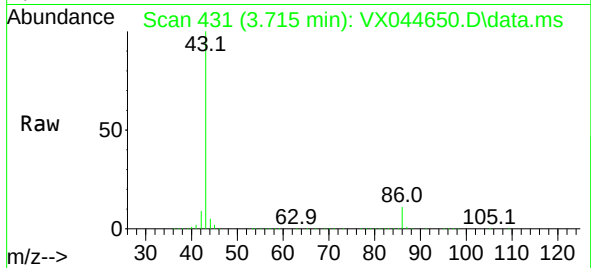




#23
 Vinyl Acetate
 Concen: 101.337 ug/l
 RT: 3.715 min Scan# 412
 Delta R.T. 0.000 min
 Lab File: VX044650.D
 Acq: 15 Jan 2025 11:40

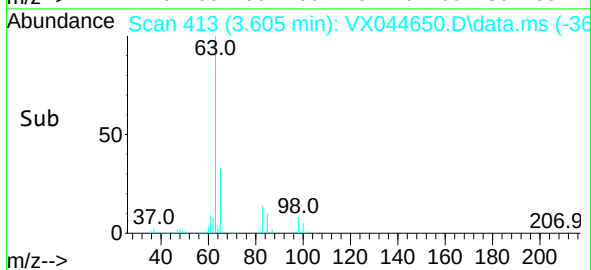
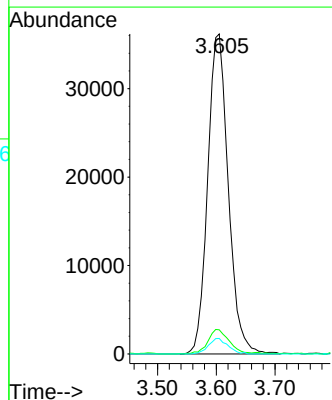
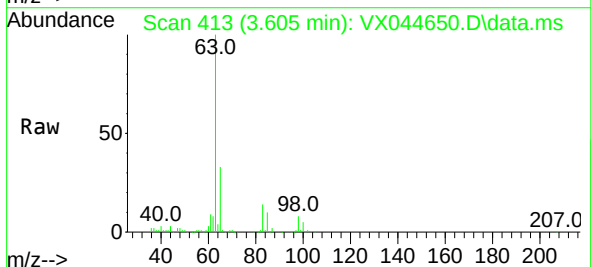
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

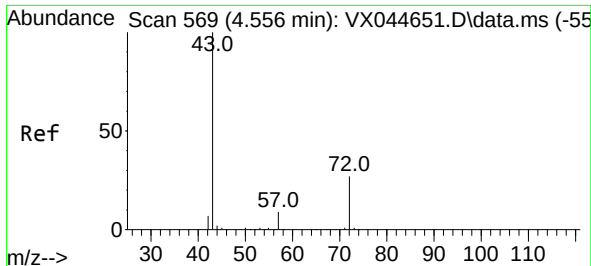
Tgt Ion: 43 Resp: 666641
 Ion Ratio Lower Upper
 43 100
 86 11.3 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 19.758 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX044650.D
 Acq: 15 Jan 2025 11:40

Tgt Ion: 63 Resp: 88060
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.6 10.9
 100 4.8 2.5 7.5

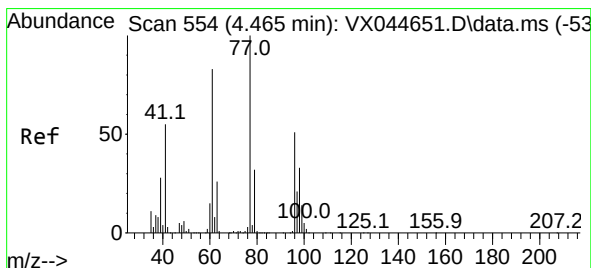
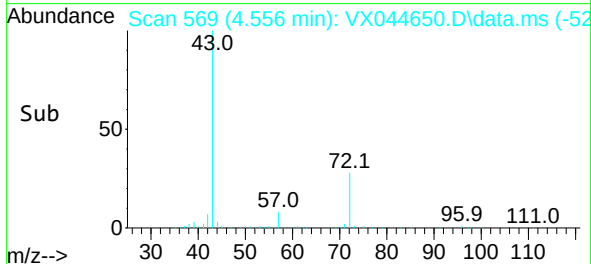
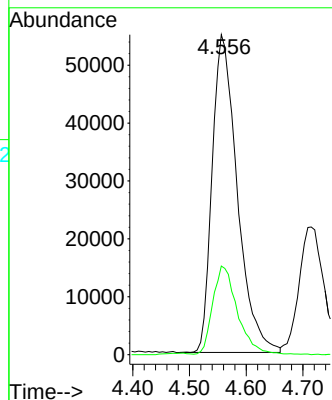
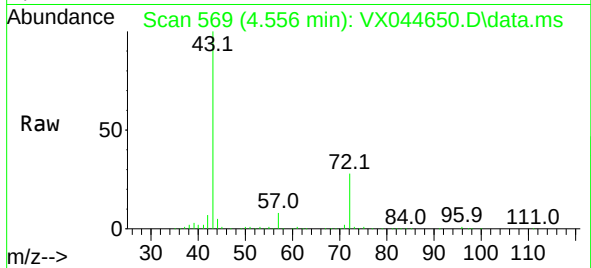




#25
2-Butanone
Concen: 99.946 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

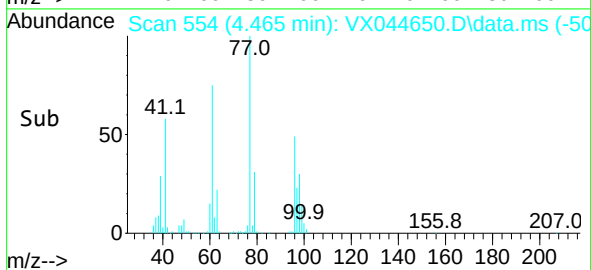
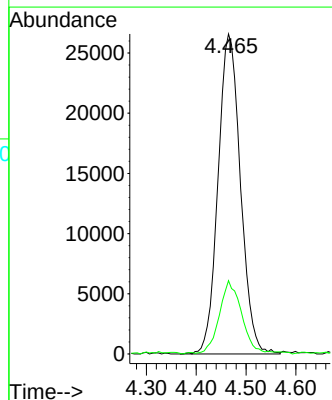
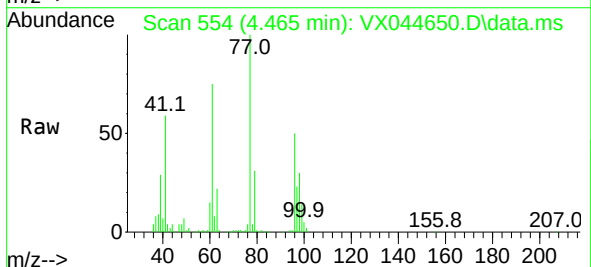
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

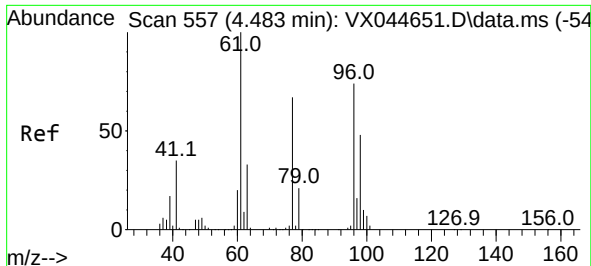
Tgt Ion: 43 Resp: 168309
Ion Ratio Lower Upper
43 100
72 27.5 21.7 32.5



#26
2,2-Dichloropropane
Concen: 19.209 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 77 Resp: 82977
Ion Ratio Lower Upper
77 100
97 23.3 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 19.406 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

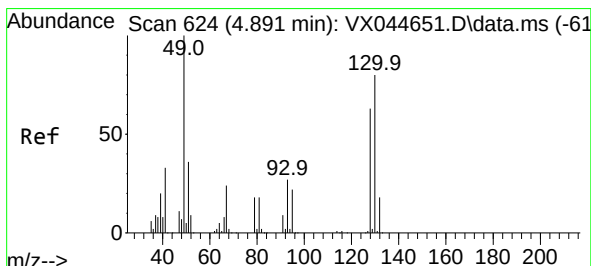
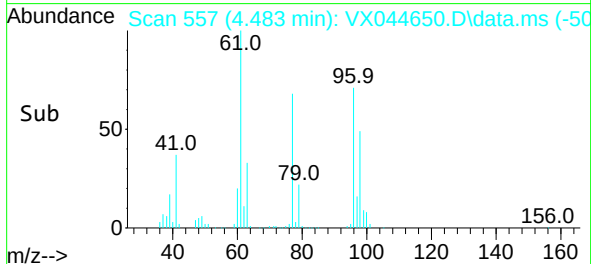
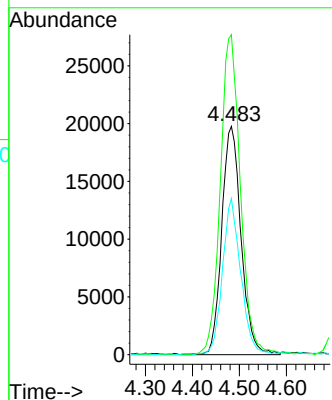
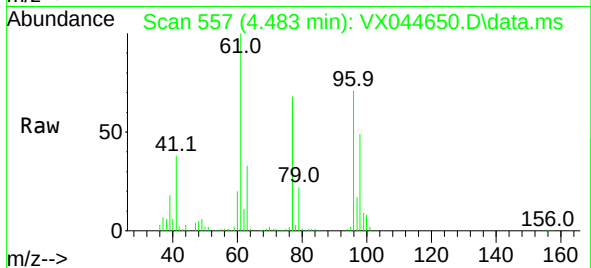
Tgt Ion: 96 Resp: 56594

Ion Ratio Lower Upper

96 100

61 145.5 0.0 296.0

98 65.0 0.0 130.0



#28

Bromochloromethane

Concen: 18.978 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

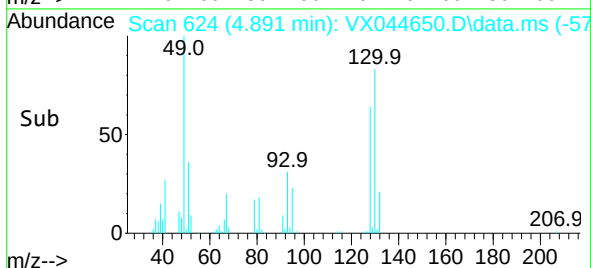
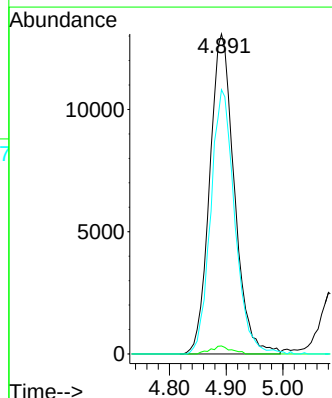
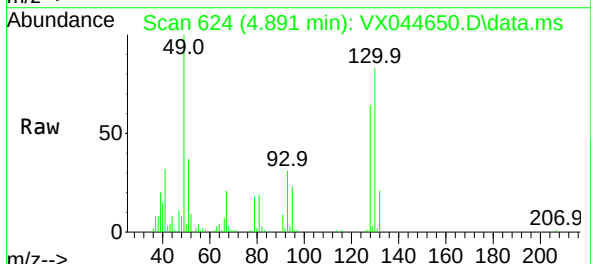
Tgt Ion: 49 Resp: 39526

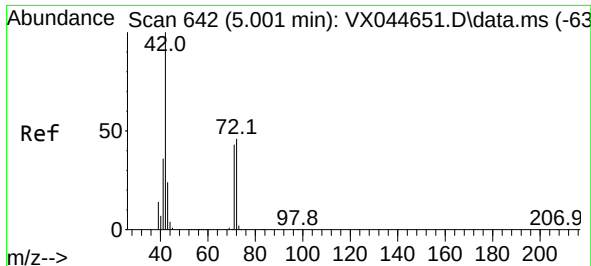
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

130 80.8 63.4 95.2





#29

Tetrahydrofuran

Concen: 97.807 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

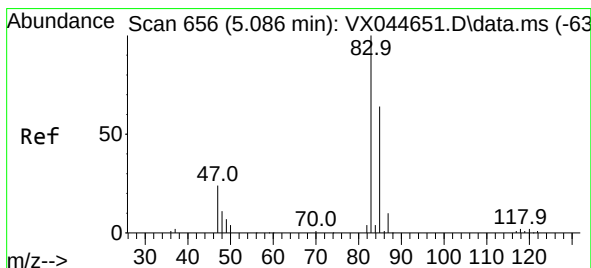
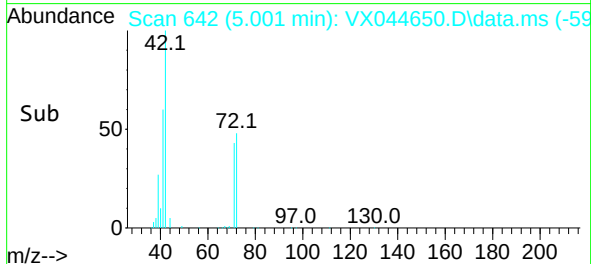
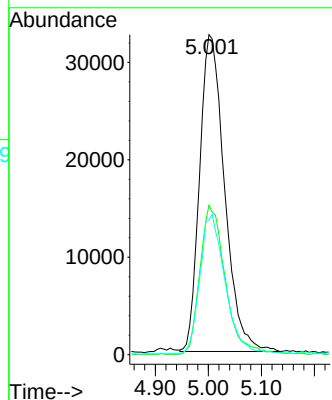
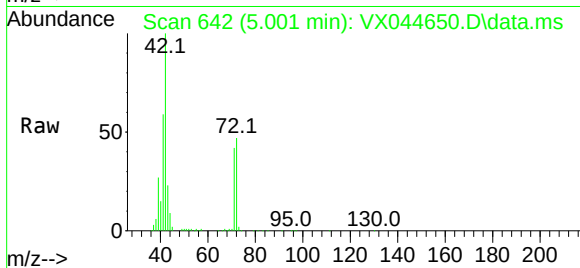
Tgt Ion: 42 Resp: 106241

Ion Ratio Lower Upper

42 100

72 48.2 38.2 57.4

71 44.0 35.3 52.9



#30

Chloroform

Concen: 19.985 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044650.D

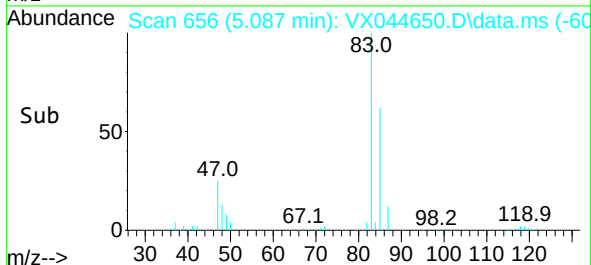
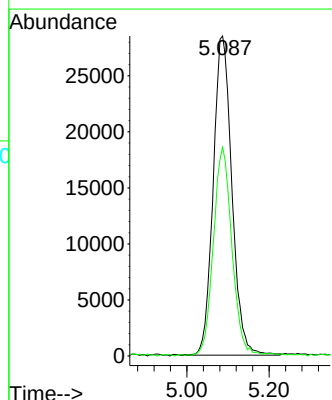
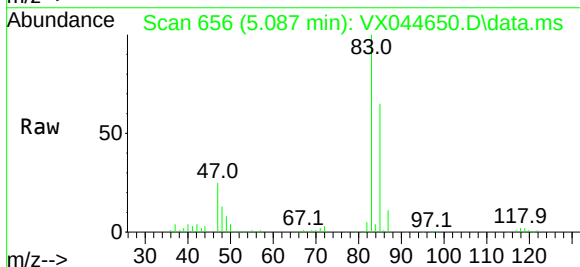
Acq: 15 Jan 2025 11:40

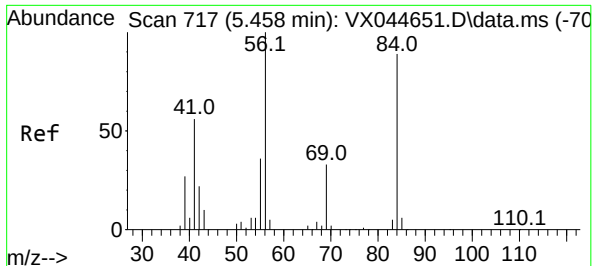
Tgt Ion: 83 Resp: 89891

Ion Ratio Lower Upper

83 100

85 65.1 51.2 76.8

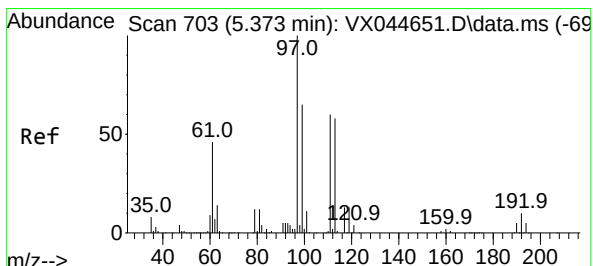
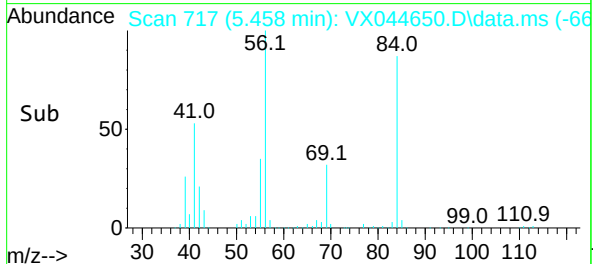
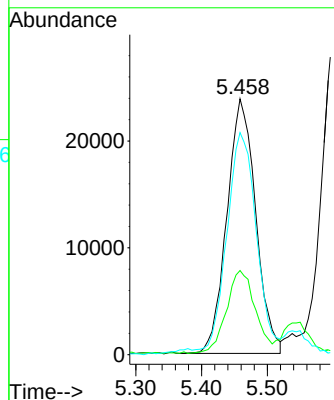
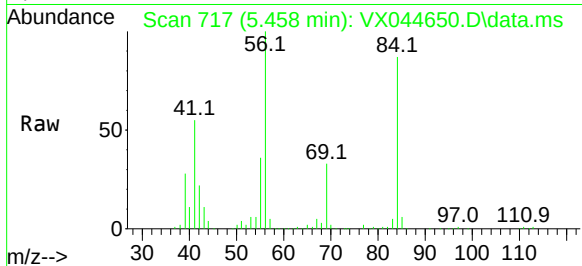




#31
Cyclohexane
Concen: 20.120 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

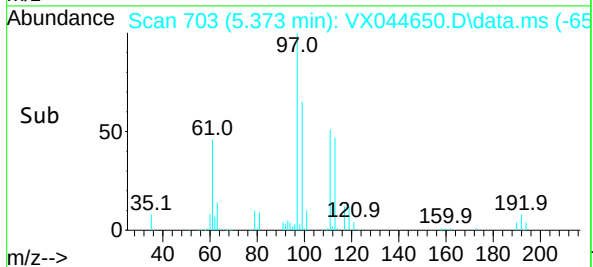
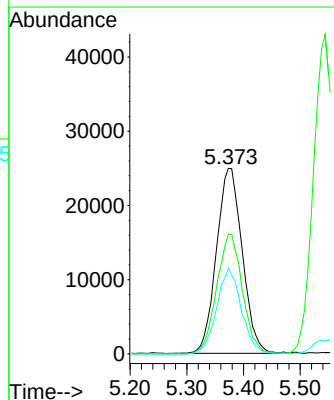
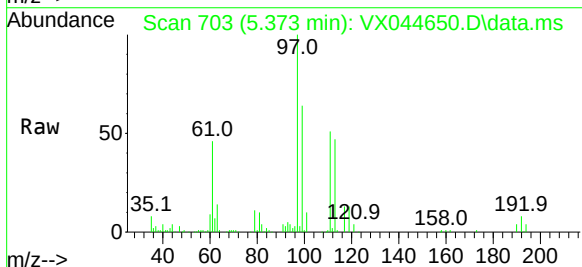
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

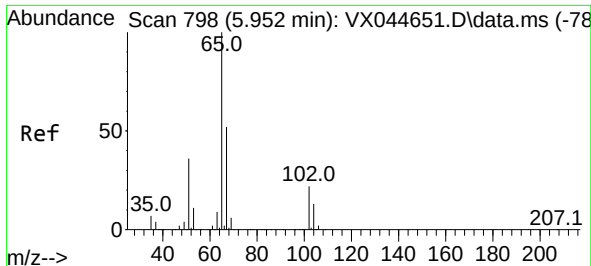
Tgt Ion:	56	Resp:	72527
Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.8	40.2
84	85.4	71.0	106.4



#32
1,1,1-Trichloroethane
Concen: 19.019 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:	97	Resp:	78644
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	44.6	35.6	53.4

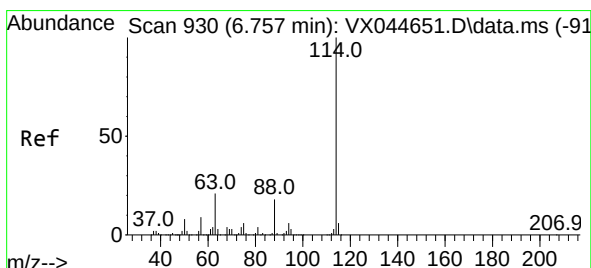
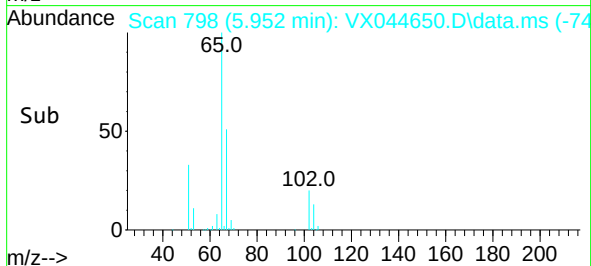
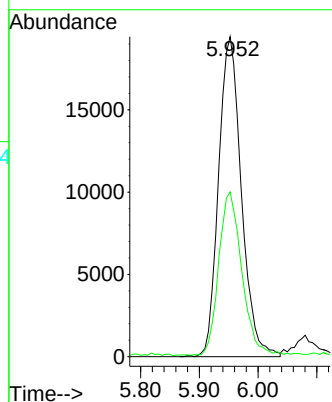
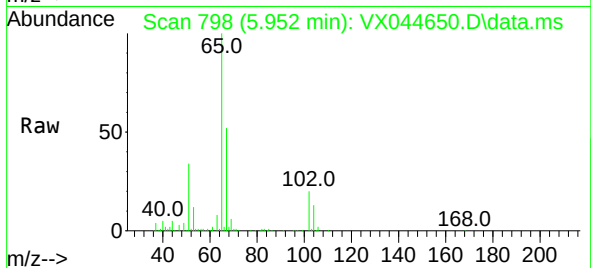




#33
 1,2-Dichloroethane-d4
 Concen: 18.311 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX044650.D
 Acq: 15 Jan 2025 11:40

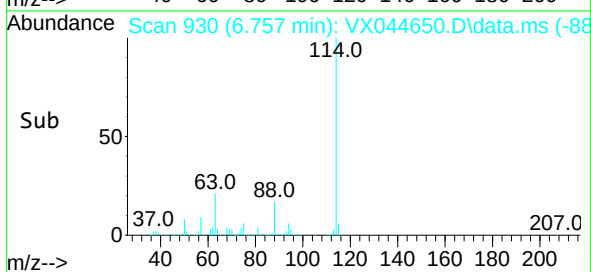
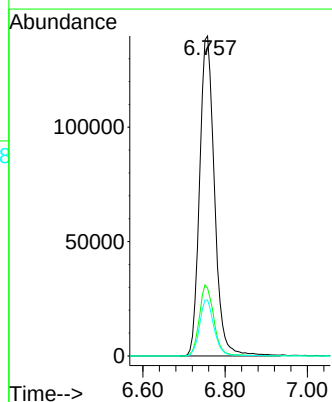
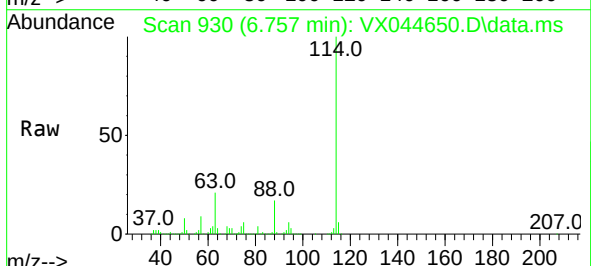
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

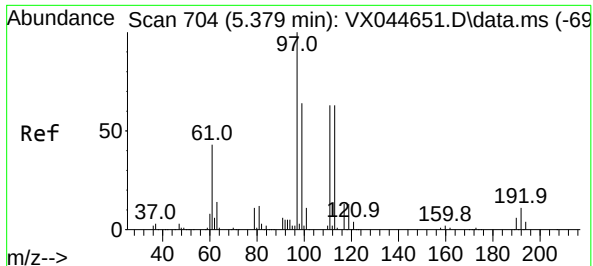
Tgt Ion: 65 Resp: 52421
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX044650.D
 Acq: 15 Jan 2025 11:40

Tgt Ion: 114 Resp: 351528
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.0
 88 17.4 0.0 35.4

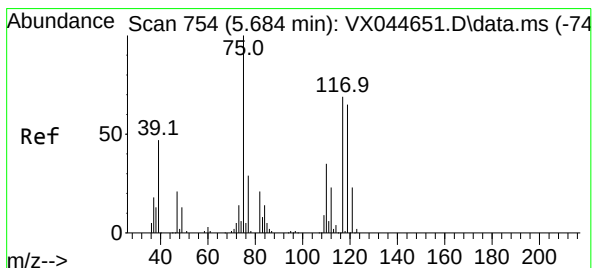
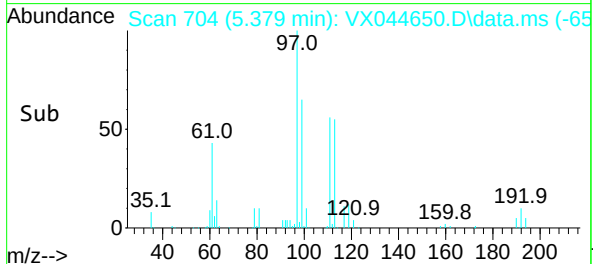
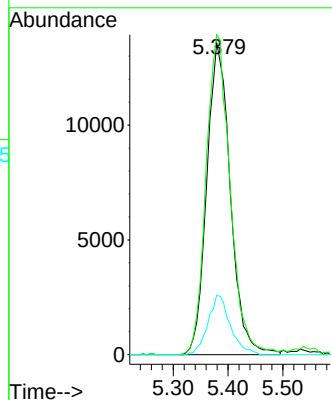
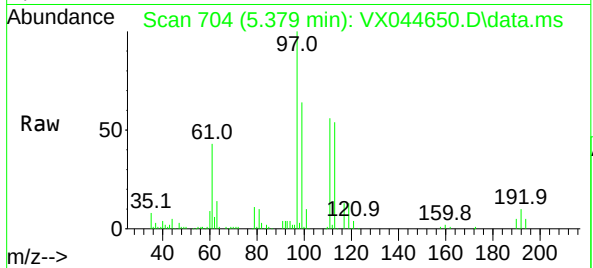




#35
Dibromofluoromethane
Concen: 18.173 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

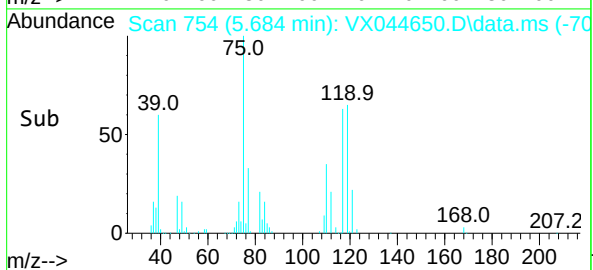
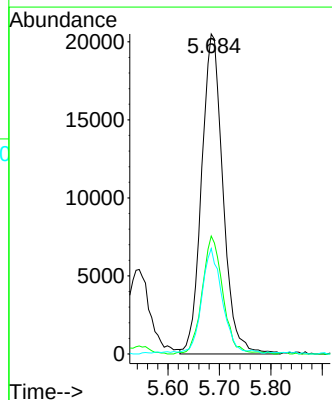
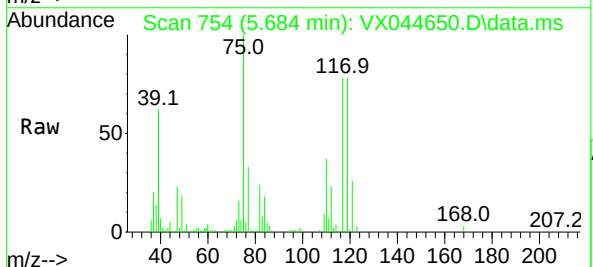
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

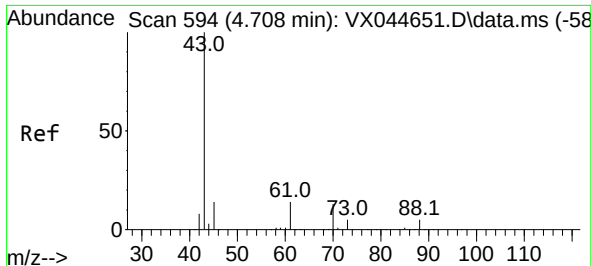
Tgt Ion:113 Resp: 40585
Ion Ratio Lower Upper
113 100
111 104.7 81.6 122.4
192 18.0 14.4 21.6



#36
1,1-Dichloropropene
Concen: 19.076 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 75 Resp: 59303
Ion Ratio Lower Upper
75 100
110 35.8 17.9 53.8
77 29.8 24.5 36.7





#37

Ethyl Acetate

Concen: 20.034 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

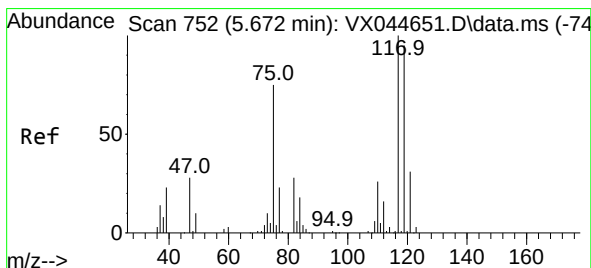
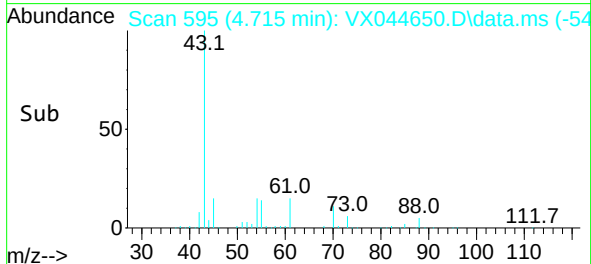
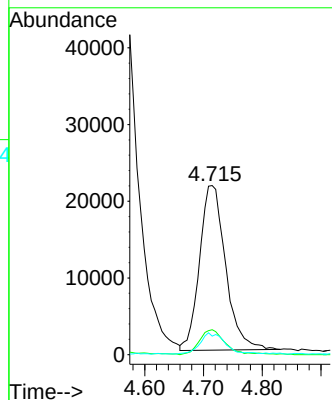
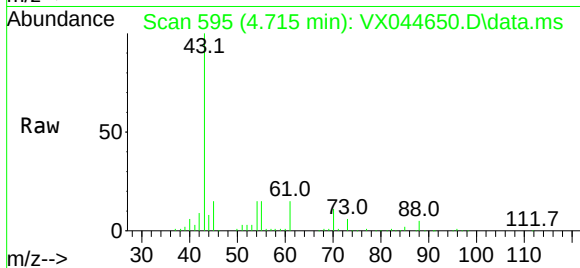
Tgt Ion: 43 Resp: 66324

Ion Ratio Lower Upper

43 100

61 15.0 10.9 16.3

70 12.0 10.1 15.1



#38

Carbon Tetrachloride

Concen: 18.829 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

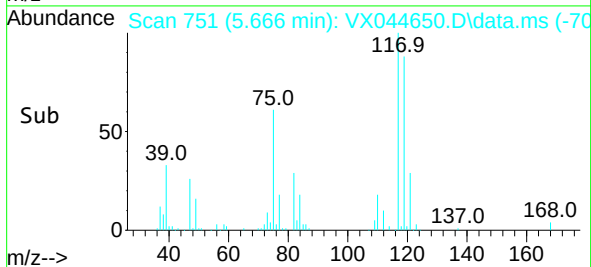
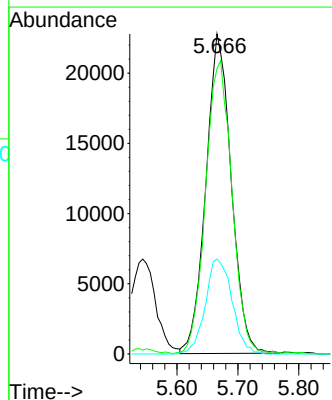
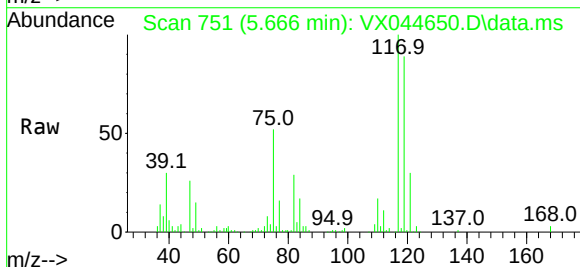
Tgt Ion: 117 Resp: 65838

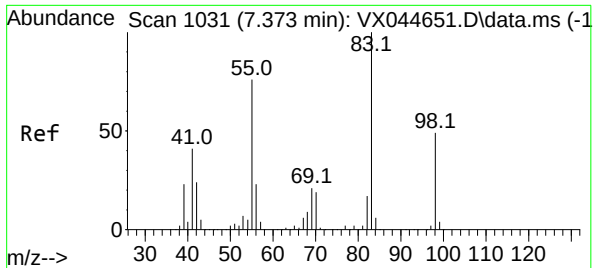
Ion Ratio Lower Upper

117 100

119 89.1 76.0 114.0

121 29.7 24.6 36.8

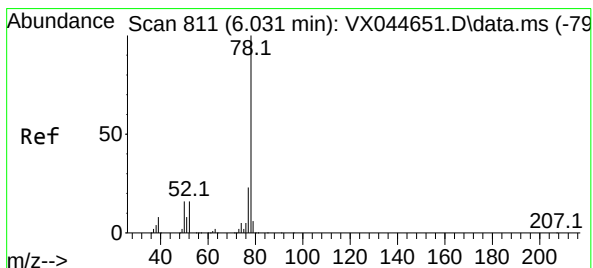
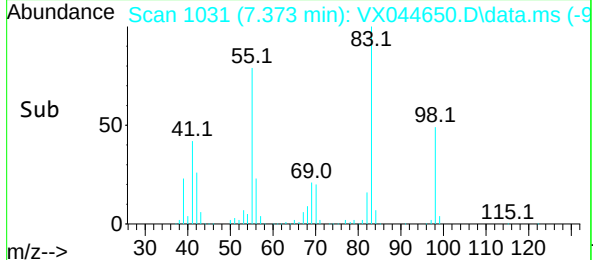
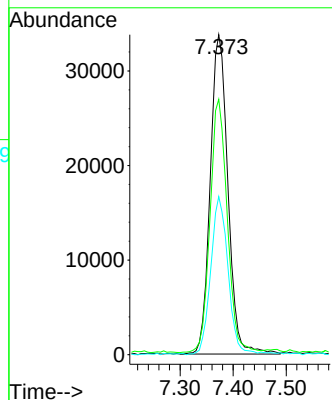
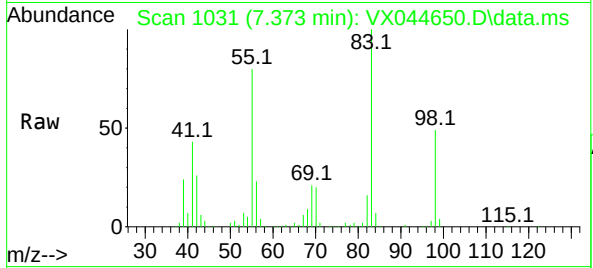




#39
Methylcyclohexane
Concen: 18.961 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

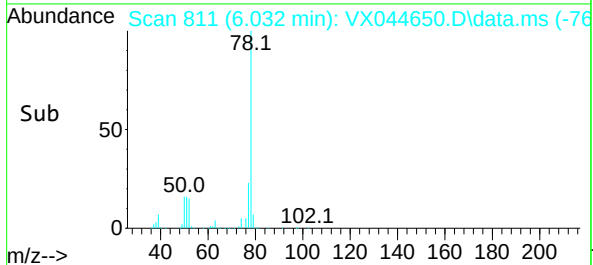
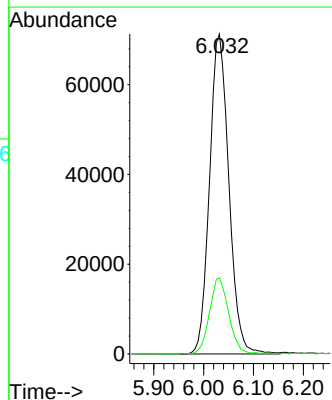
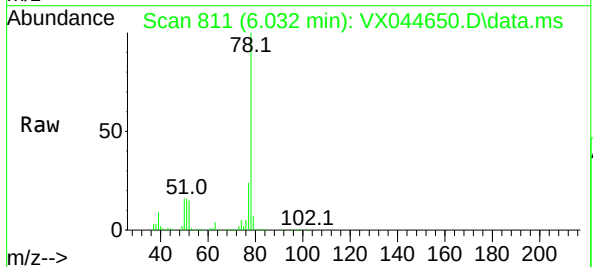
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

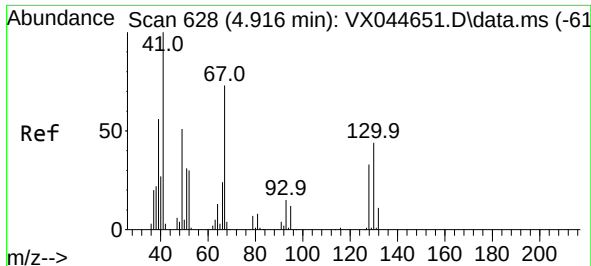
Tgt Ion: 83 Resp: 78248
Ion Ratio Lower Upper
83 100
55 79.3 60.5 90.7
98 49.2 39.0 58.4



#40
Benzene
Concen: 19.911 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

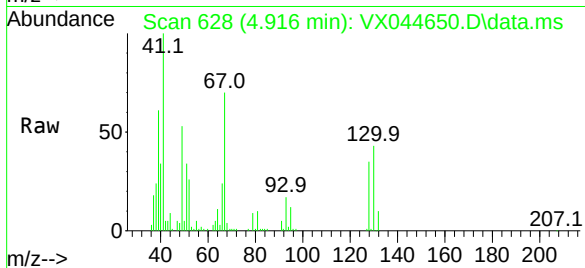
Tgt Ion: 78 Resp: 191801
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1



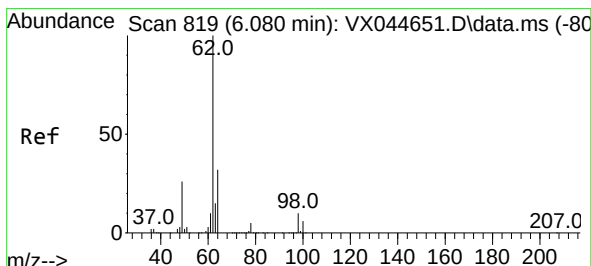
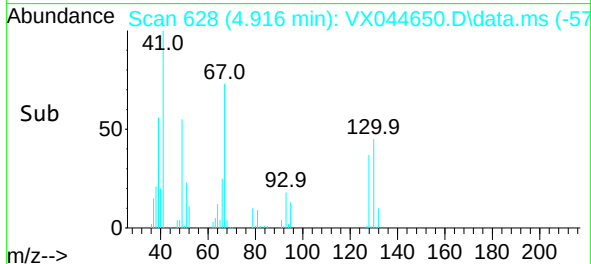
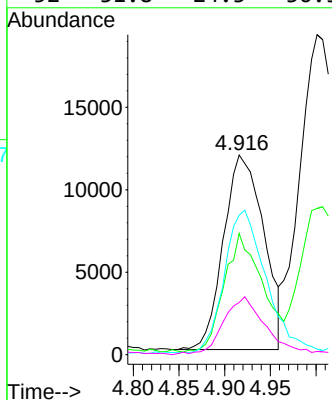


#41
Methacrylonitrile
Concen: 18.755 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

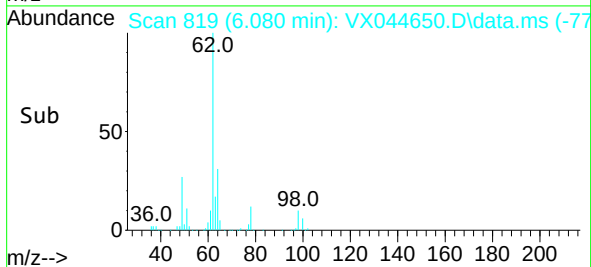
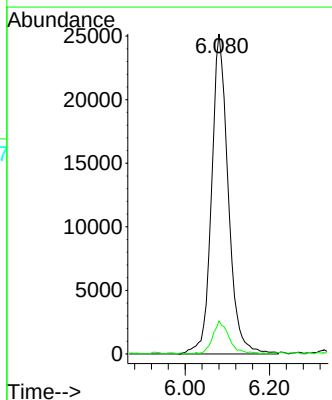
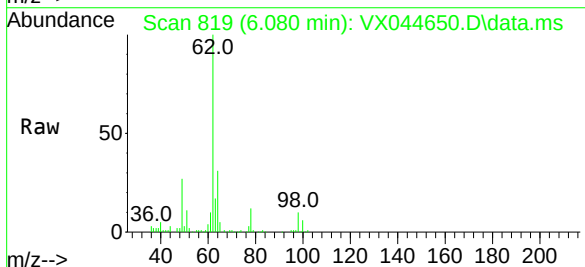


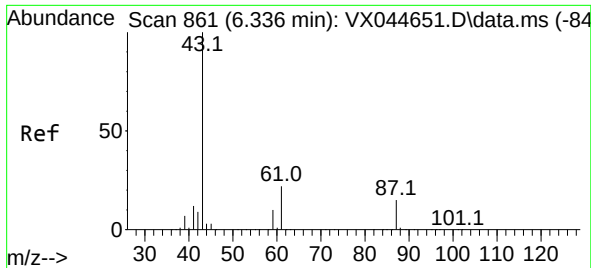
Tgt Ion: 41	Resp: 36180
Ion Ratio	Lower Upper
41 100	
39 58.8	44.4 66.6
67 75.9	60.6 90.8
52 31.8	24.3 36.5



#42
1,2-Dichloroethane
Concen: 19.635 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 62	Resp: 69034
Ion Ratio	Lower Upper
62 100	
98 10.2	0.0 19.4

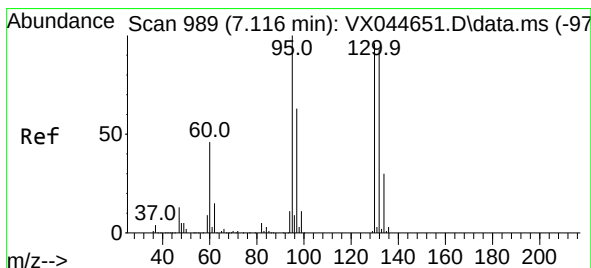
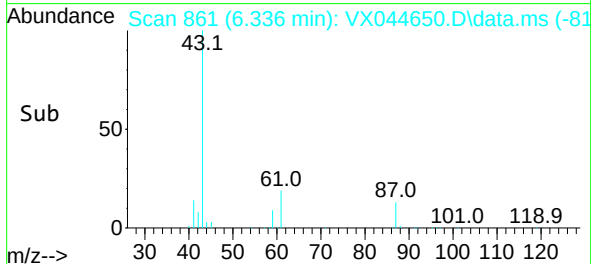
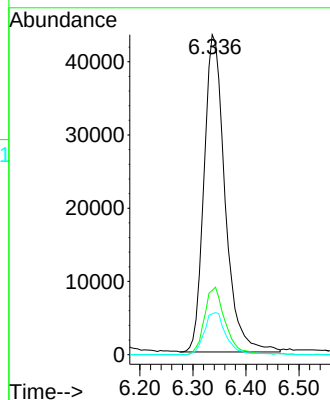
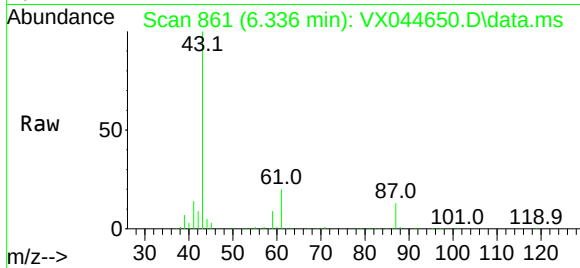




#43
Isopropyl Acetate
Concen: 19.633 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

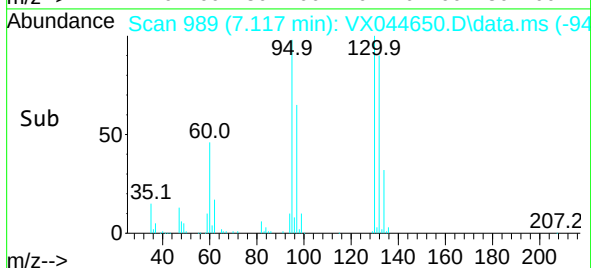
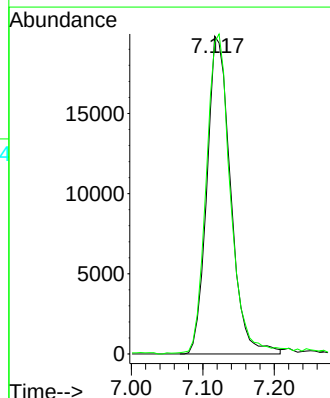
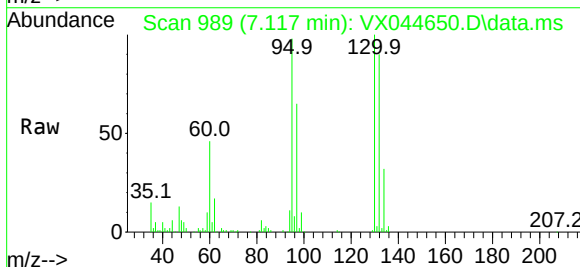
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

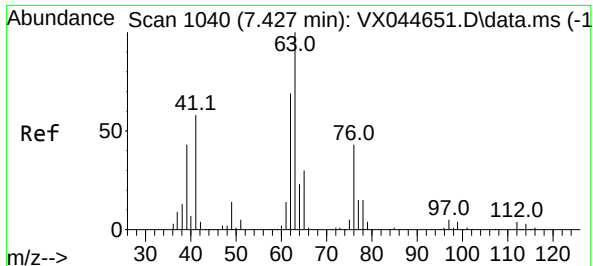
Tgt Ion: 43 Resp: 119568
Ion Ratio Lower Upper
43 100
61 21.1 16.6 24.8
87 13.5 11.0 16.6



#44
Trichloroethene
Concen: 19.689 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:130 Resp: 45597
Ion Ratio Lower Upper
130 100
95 97.7 0.0 208.2





#45

1,2-Dichloropropane

Concen: 19.429 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

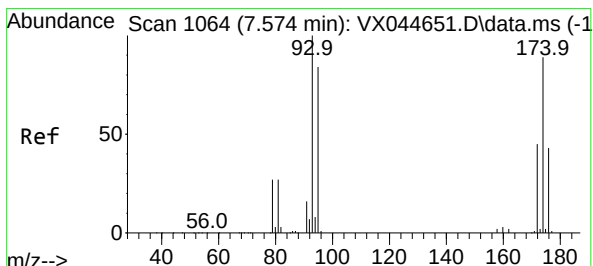
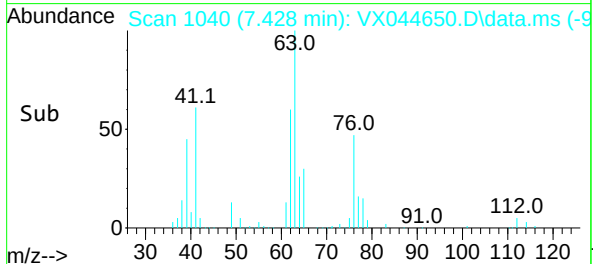
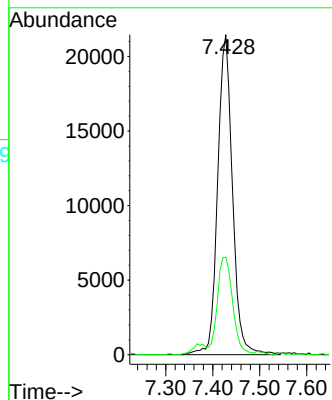
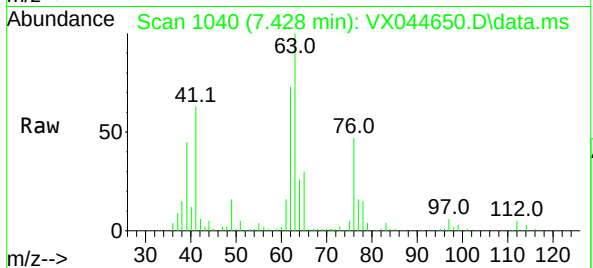
VSTDICC020

Tgt Ion: 63 Resp: 47111

Ion Ratio Lower Upper

63 100

65 30.4 24.2 36.2



#46

Dibromomethane

Concen: 18.991 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

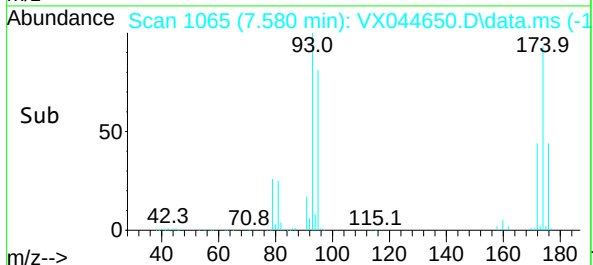
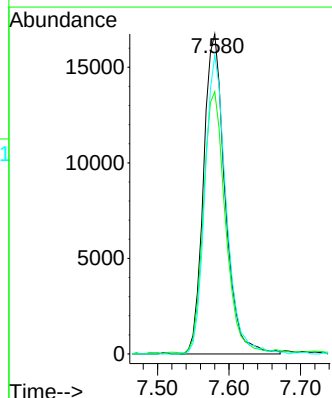
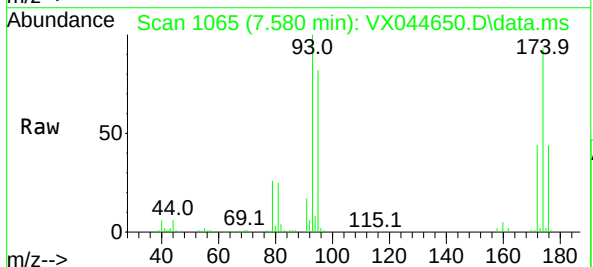
Tgt Ion: 93 Resp: 35056

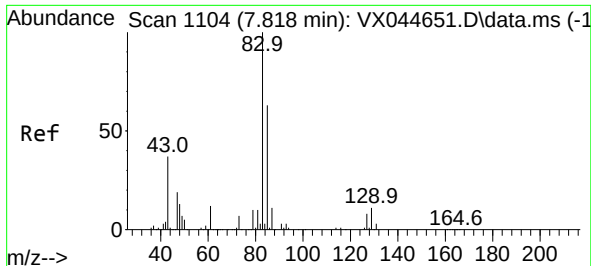
Ion Ratio Lower Upper

93 100

95 82.3 66.4 99.6

174 92.1 72.0 108.0

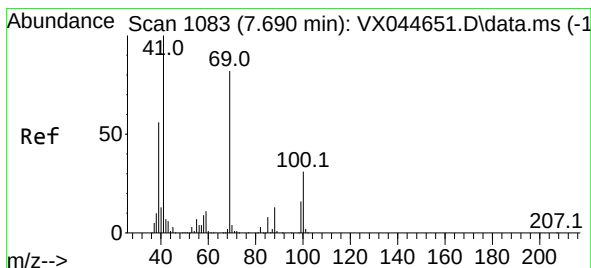
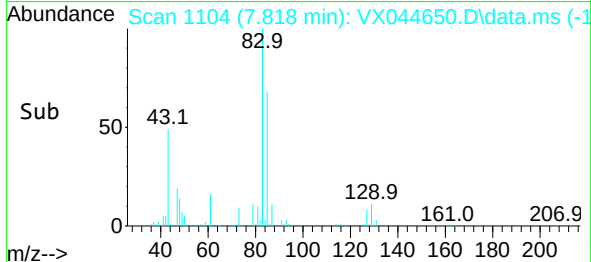
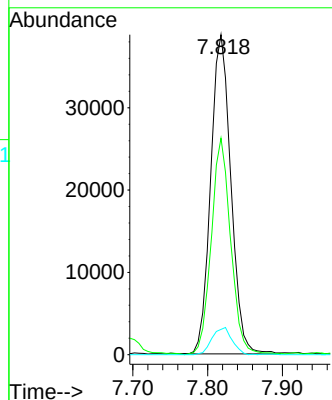
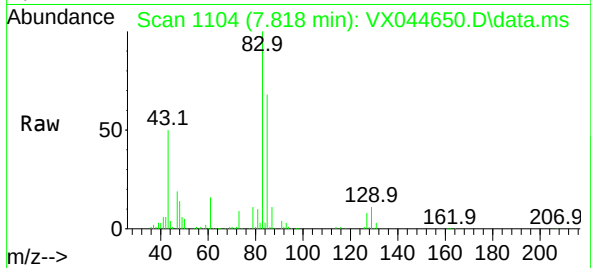




#47
Bromodichloromethane
Concen: 19.241 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

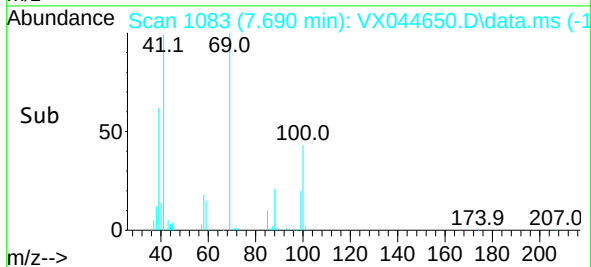
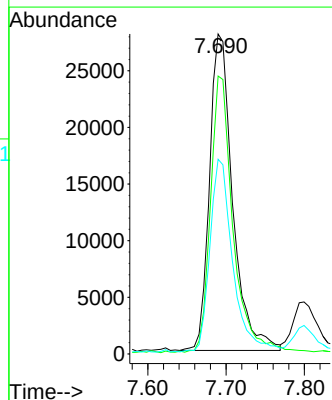
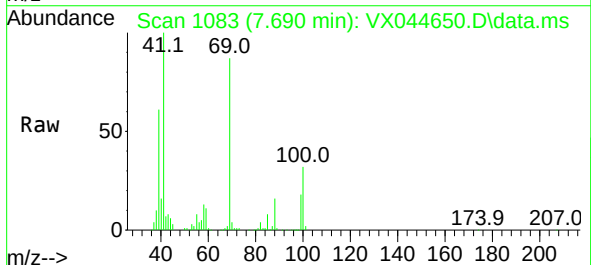
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

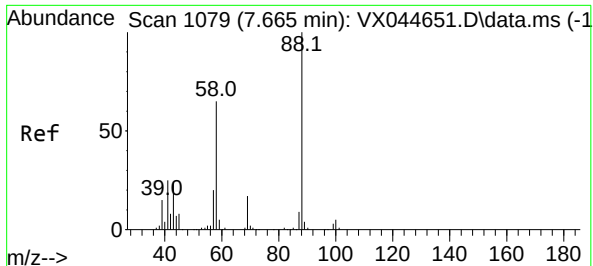
Tgt Ion: 83 Resp: 72837
Ion Ratio Lower Upper
83 100
85 67.6 50.1 75.1
127 7.9 6.5 9.7



#48
Methyl methacrylate
Concen: 20.310 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 41 Resp: 57413
Ion Ratio Lower Upper
41 100
69 84.9 66.8 100.2
39 60.0 47.4 71.0





#49

1,4-Dioxane

Concen: 397.311 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

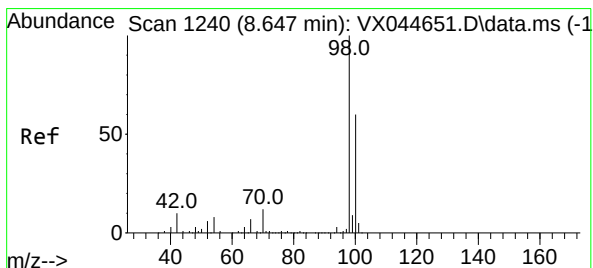
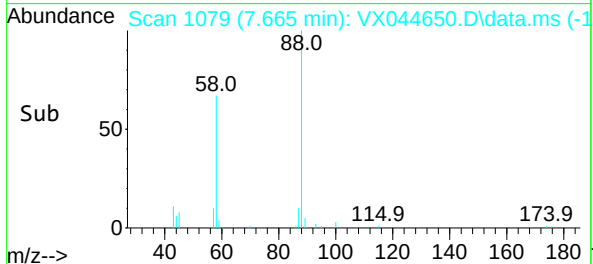
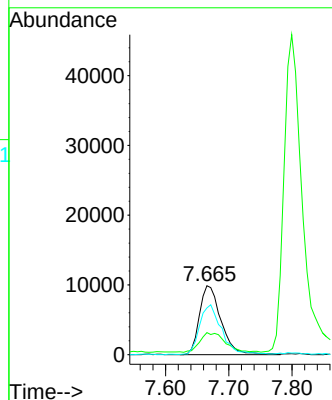
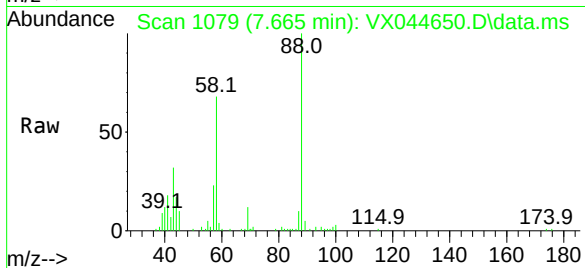
Tgt Ion: 88 Resp: 23433

Ion Ratio Lower Upper

88 100

43 32.8 27.0 40.4

58 72.7 55.8 83.8



#50

Toluene-d8

Concen: 18.987 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044650.D

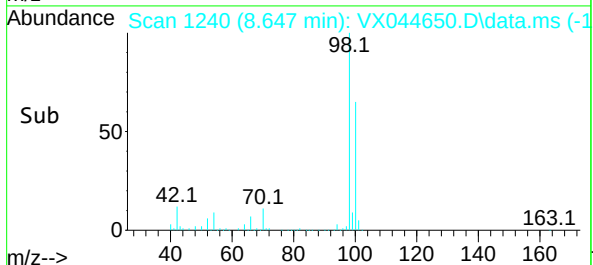
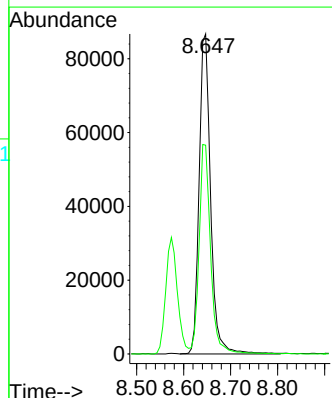
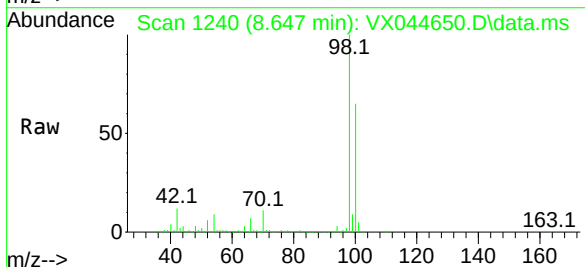
Acq: 15 Jan 2025 11:40

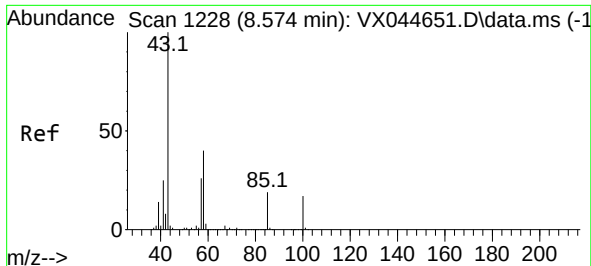
Tgt Ion: 98 Resp: 147843

Ion Ratio Lower Upper

98 100

100 65.5 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 100.520 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

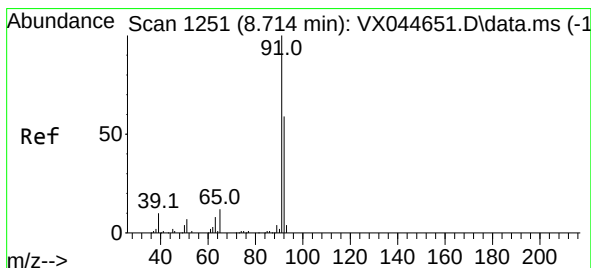
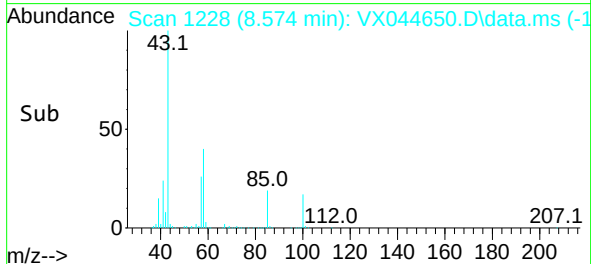
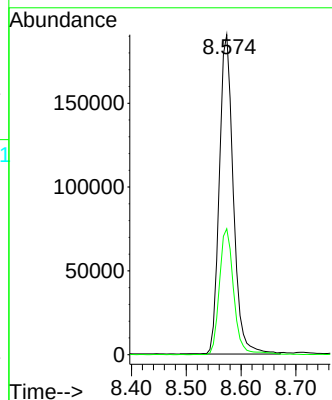
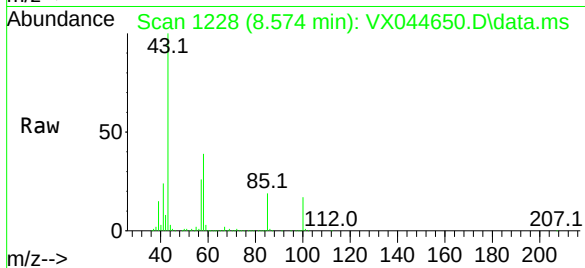
VSTDICC020

Tgt Ion: 43 Resp: 338304

Ion Ratio Lower Upper

43 100

58 40.4 31.9 47.9



#52

Toluene

Concen: 20.253 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044650.D

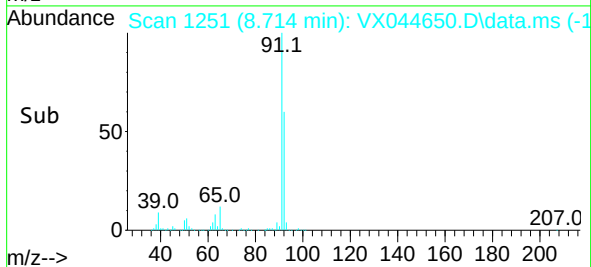
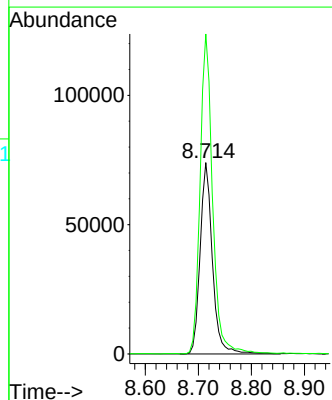
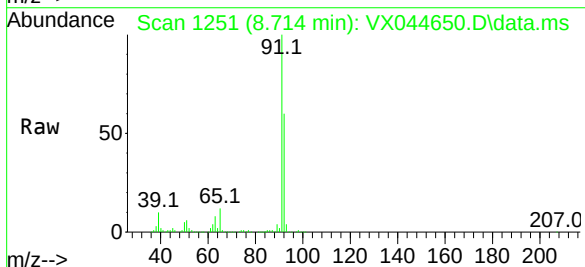
Acq: 15 Jan 2025 11:40

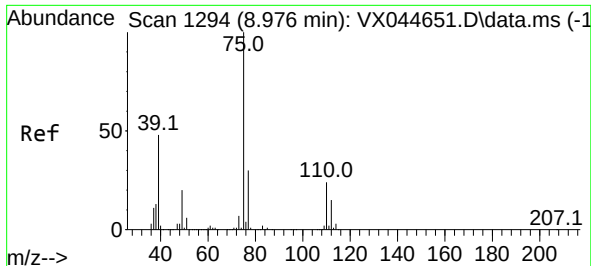
Tgt Ion: 92 Resp: 119410

Ion Ratio Lower Upper

92 100

91 170.2 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 20.266 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

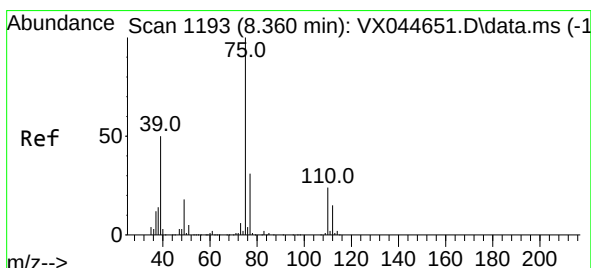
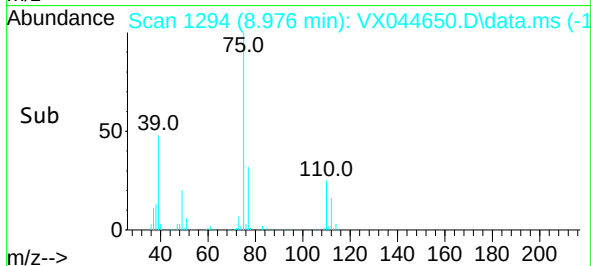
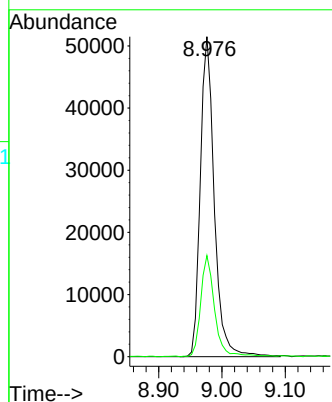
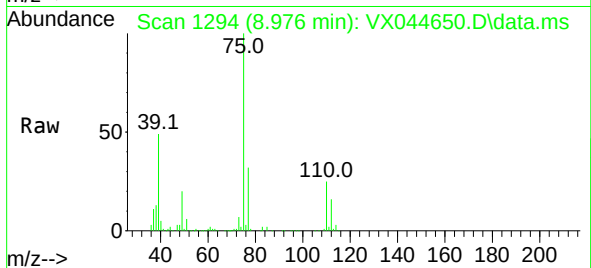
VSTDICC020

Tgt Ion: 75 Resp: 79260

Ion Ratio Lower Upper

75 100

77 31.6 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 20.008 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

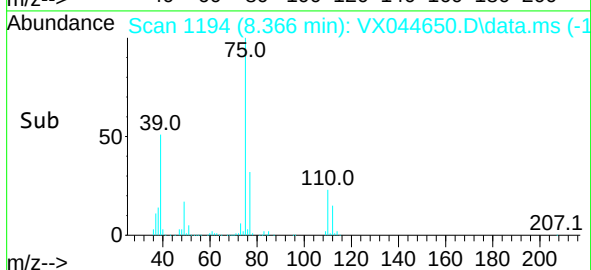
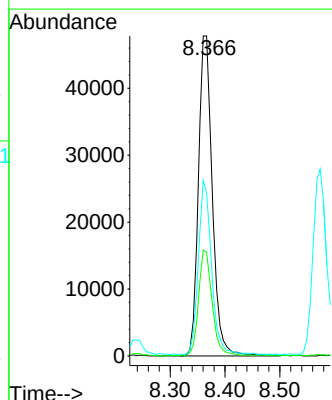
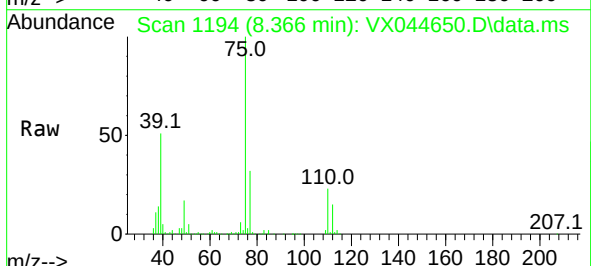
Tgt Ion: 75 Resp: 84851

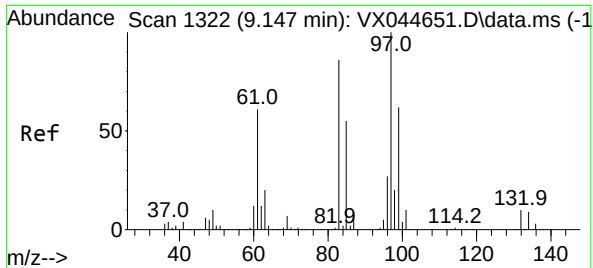
Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7

39 50.6 40.3 60.5



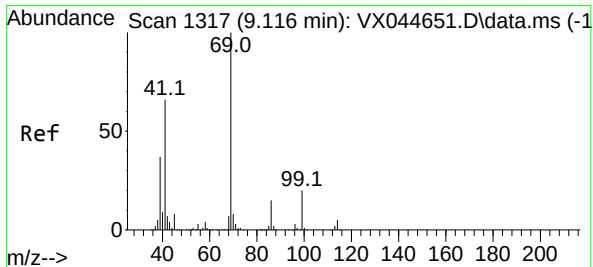
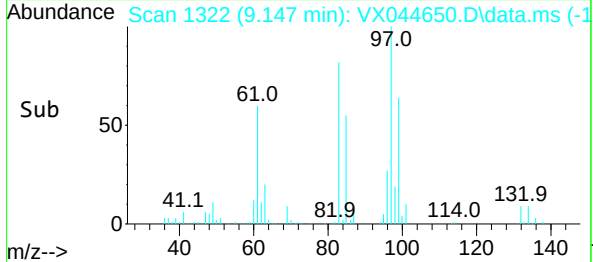
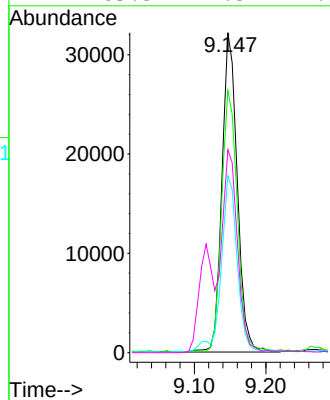
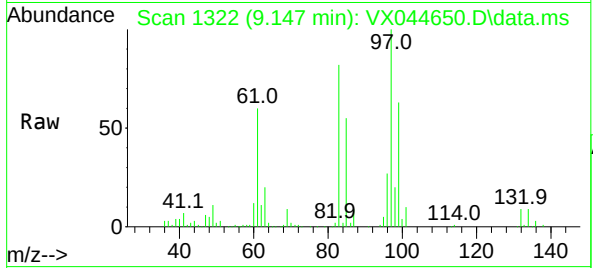


#55
 1,1,2-Trichloroethane
 Concen: 20.093 ug/l
 RT: 9.147 min Scan# 1322
 Delta R.T. 0.000 min
 Lab File: VX044650.D
 Acq: 15 Jan 2025 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion: 97 Resp: 47930

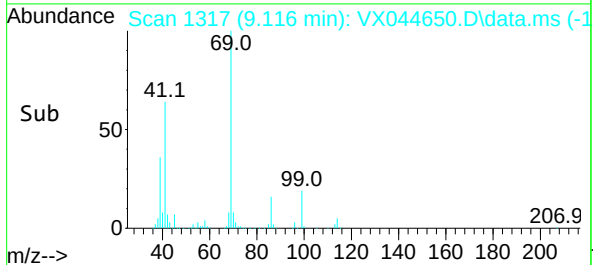
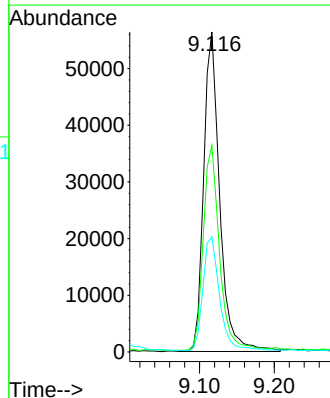
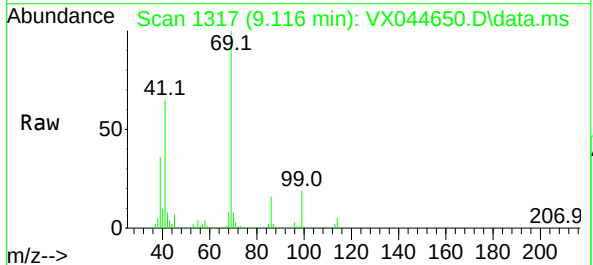
Ion	Ratio	Lower	Upper
97	100		
83	81.9	68.8	103.2
85	55.0	43.7	65.5
99	63.5	49.5	74.3

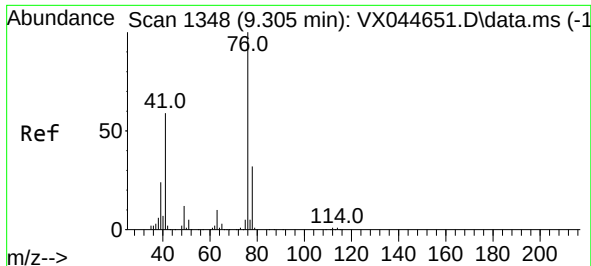


#56
 Ethyl methacrylate
 Concen: 20.496 ug/l
 RT: 9.116 min Scan# 1317
 Delta R.T. 0.000 min
 Lab File: VX044650.D
 Acq: 15 Jan 2025 11:40

Tgt Ion: 69 Resp: 84067

Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.2	79.8
39	36.9	30.2	45.2





#57

1,3-Dichloropropane

Concen: 20.117 ug/l

RT: 9.305 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

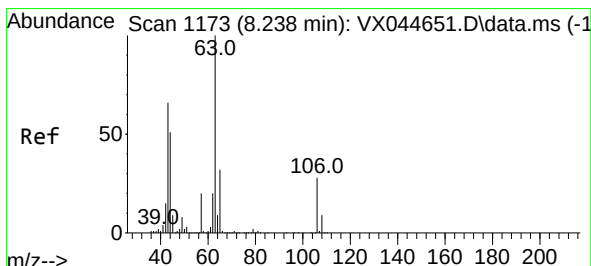
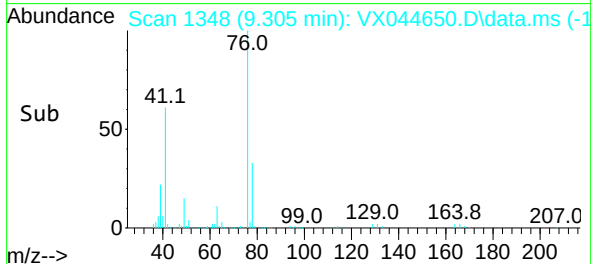
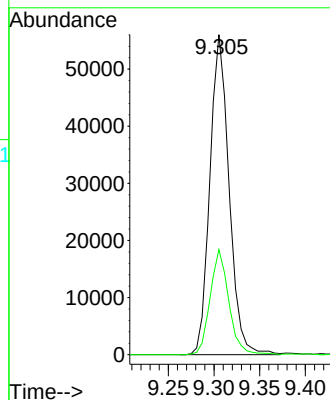
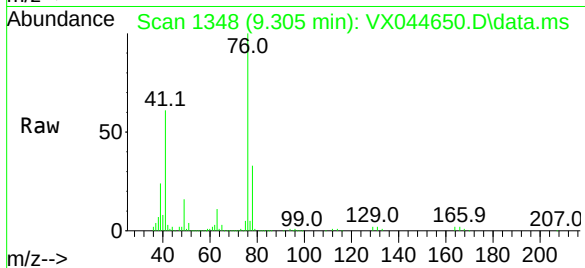
VSTDIC020

Tgt Ion: 76 Resp: 81718

Ion Ratio Lower Upper

76 100

78 31.9 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 87.899 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044650.D

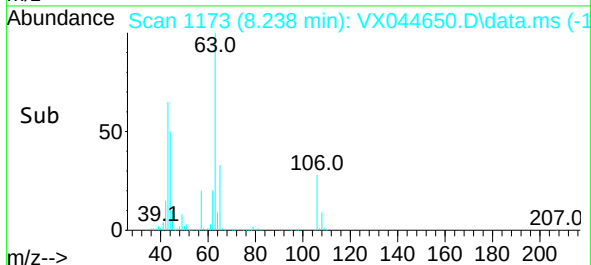
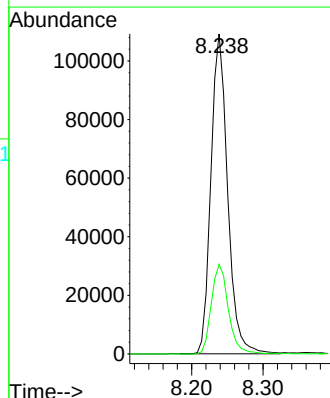
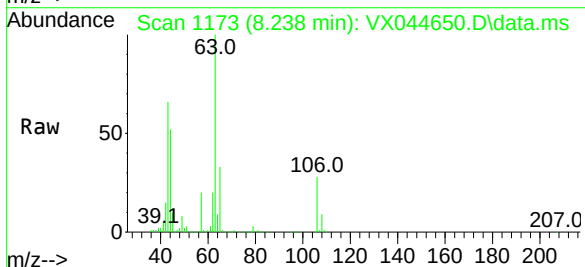
Acq: 15 Jan 2025 11:40

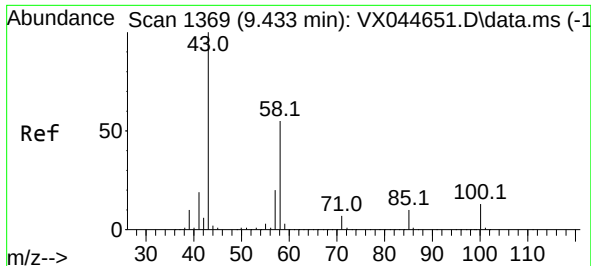
Tgt Ion: 63 Resp: 176999

Ion Ratio Lower Upper

63 100

106 28.4 23.0 34.6

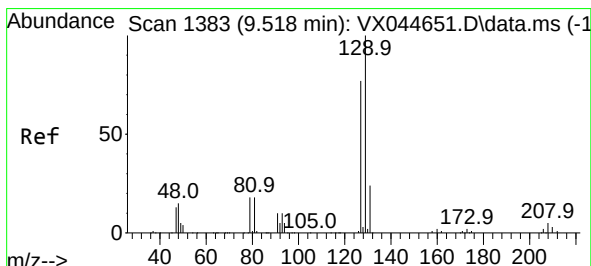
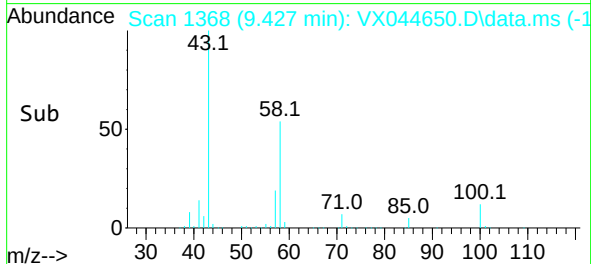
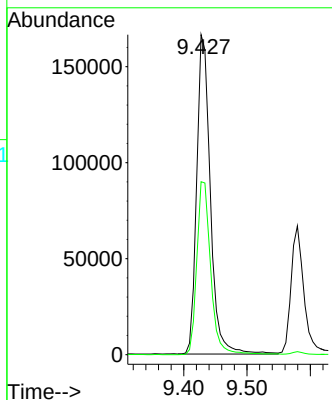
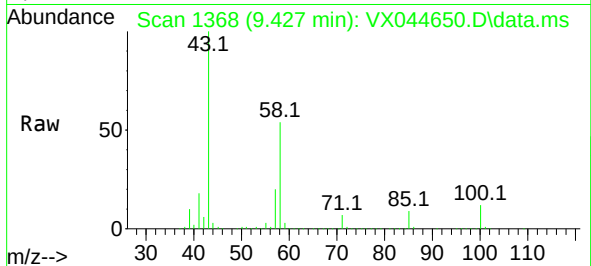




#59
2-Hexanone
Concen: 101.288 ug/l
RT: 9.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

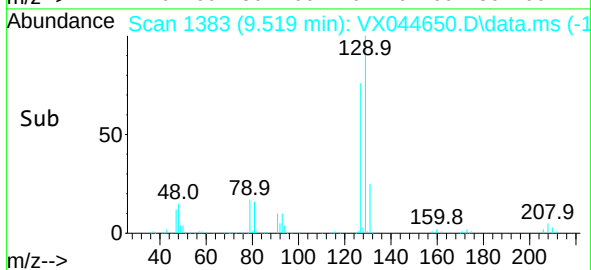
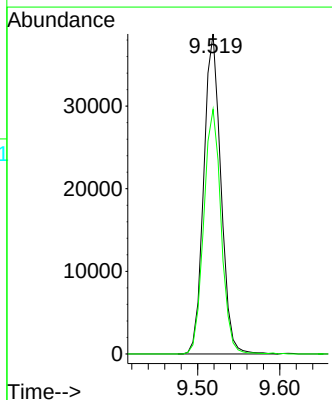
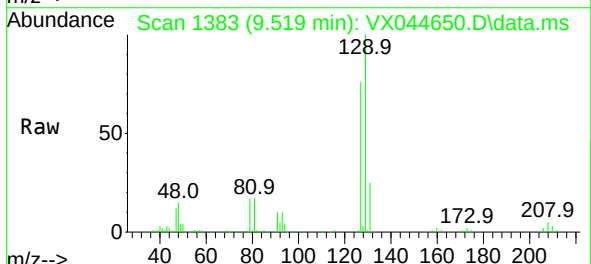
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

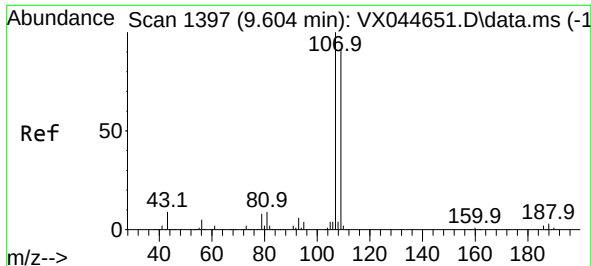
Tgt Ion: 43 Resp: 250792
Ion Ratio Lower Upper
43 100
58 55.0 27.8 83.3



#60
Dibromochloromethane
Concen: 20.015 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:129 Resp: 56038
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5

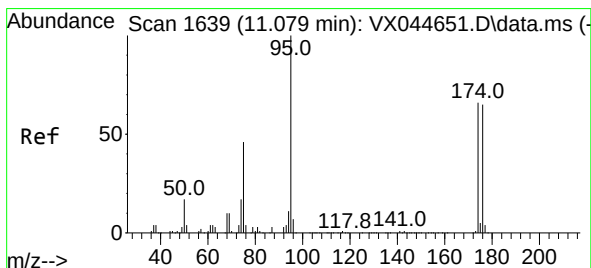
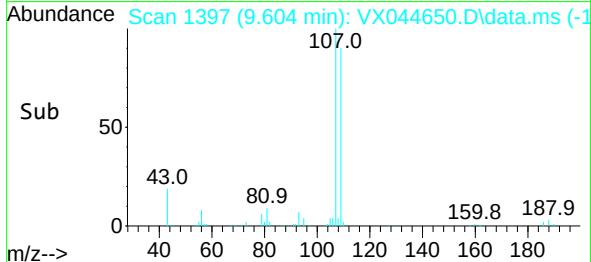
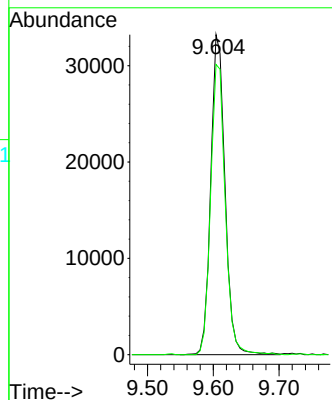
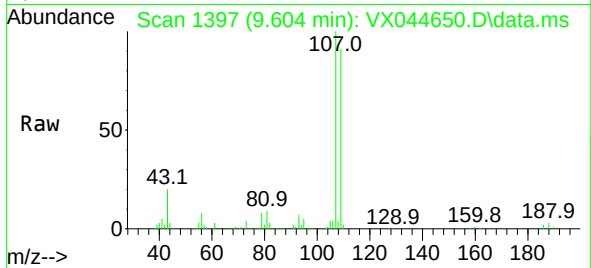




#61
1,2-Dibromoethane
Concen: 20.025 ug/l
RT: 9.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

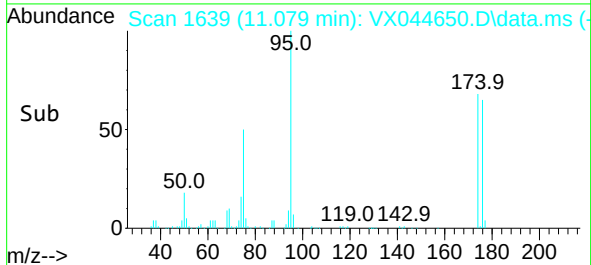
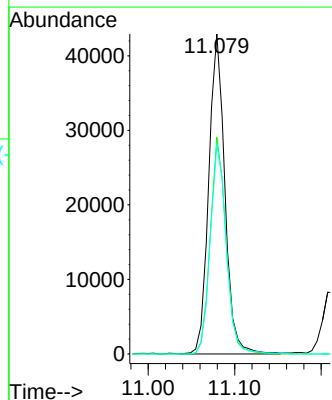
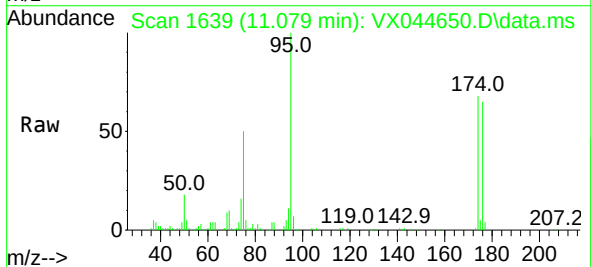
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

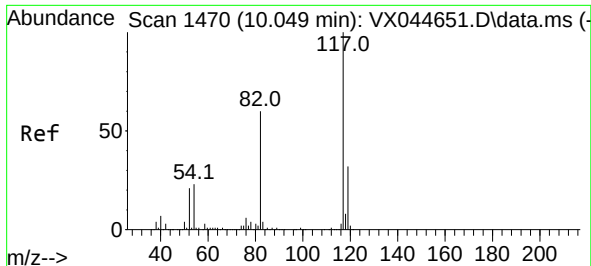
Tgt Ion:107 Resp: 50060
Ion Ratio Lower Upper
107 100
109 93.4 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 19.087 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 95 Resp: 55407
Ion Ratio Lower Upper
95 100
174 66.7 0.0 133.0
176 65.3 0.0 129.4

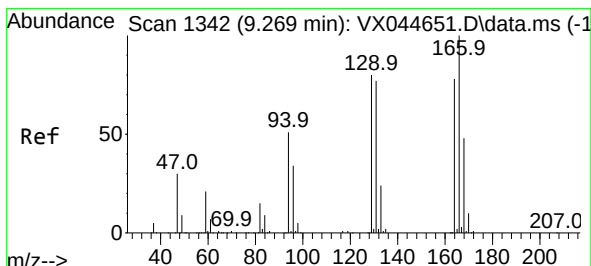
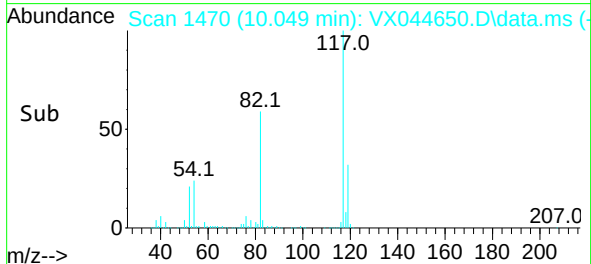
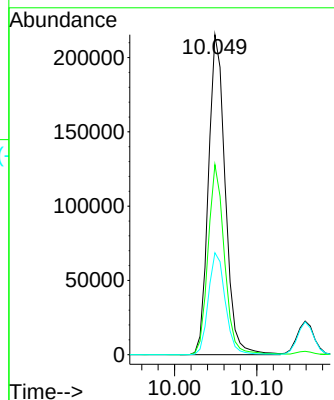
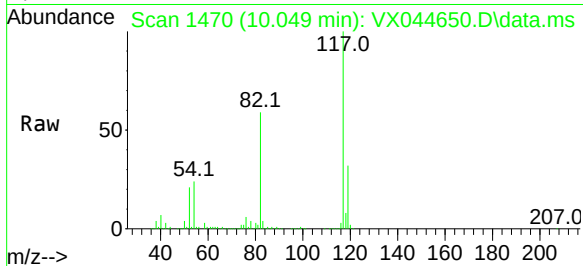




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

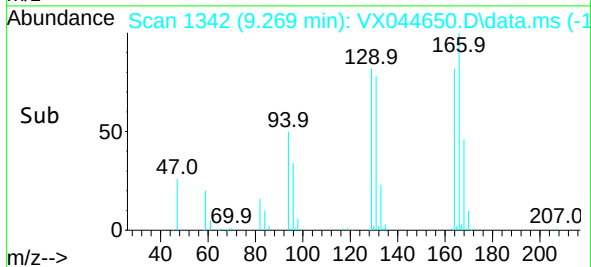
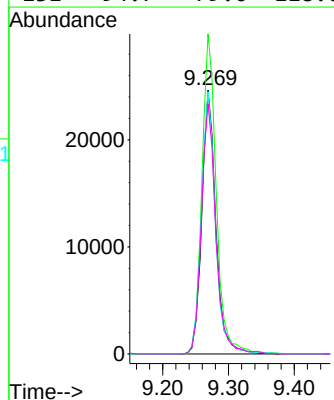
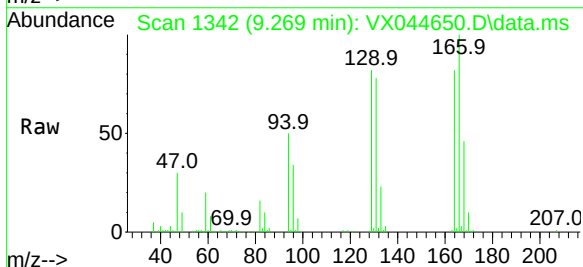
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

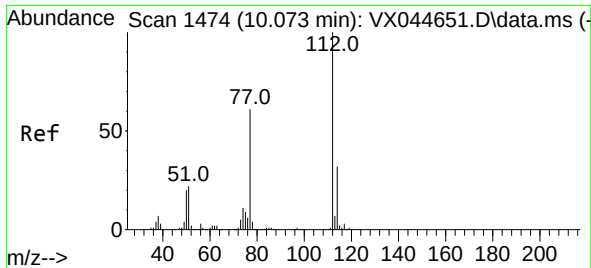
Tgt Ion:117 Resp: 305422
Ion Ratio Lower Upper
117 100
82 59.4 47.6 71.4
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 19.066 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:164 Resp: 36566
Ion Ratio Lower Upper
164 100
166 121.3 102.0 153.0
129 99.4 81.1 121.7
131 94.7 79.0 118.6

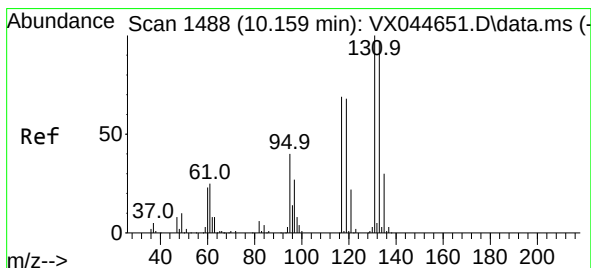
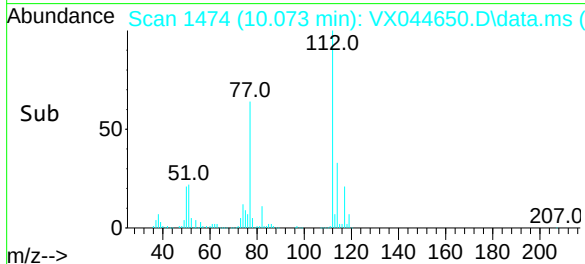
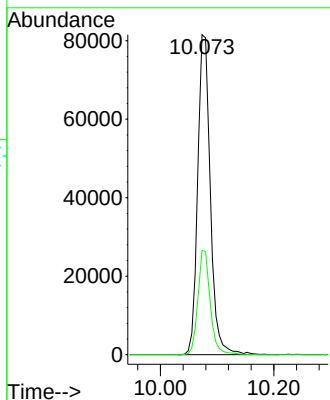
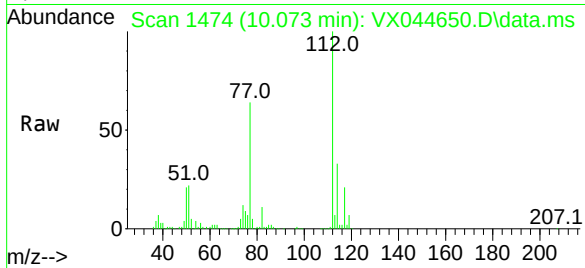




#65
Chlorobenzene
Concen: 19.506 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

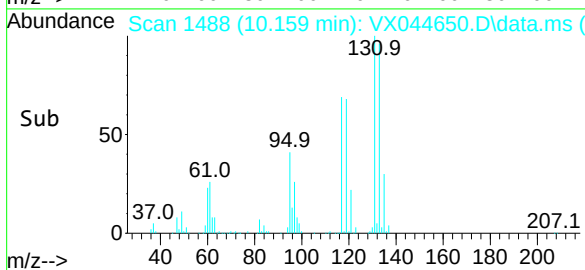
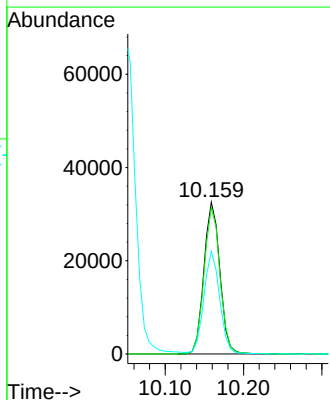
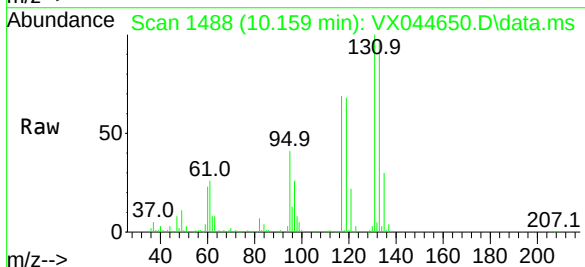
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

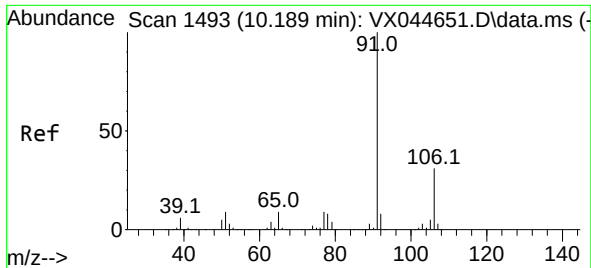
Tgt Ion:112 Resp: 126540
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.493 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:131 Resp: 45959
Ion Ratio Lower Upper
131 100
133 96.3 47.8 143.3
119 67.1 33.4 100.2

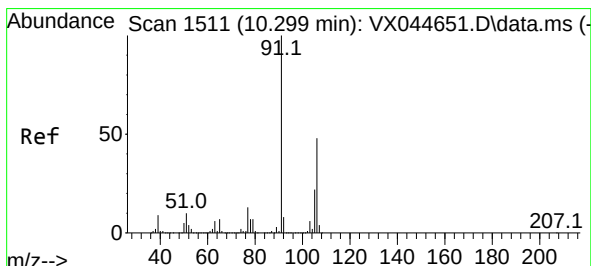
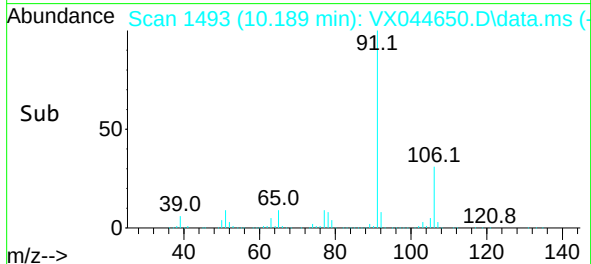
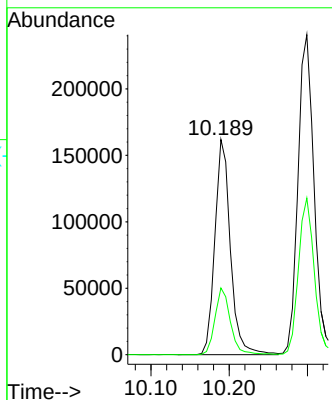
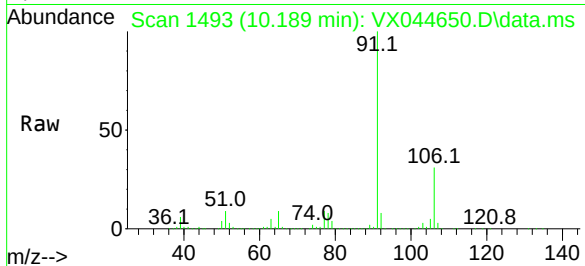




#67
Ethyl Benzene
Concen: 19.723 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

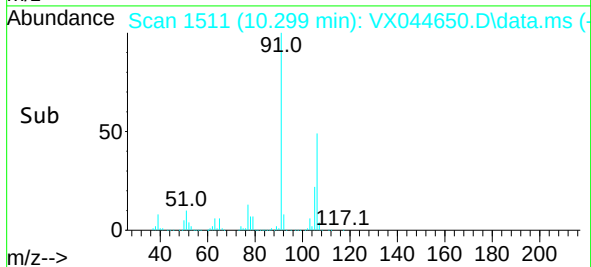
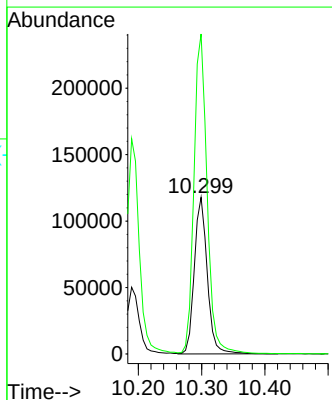
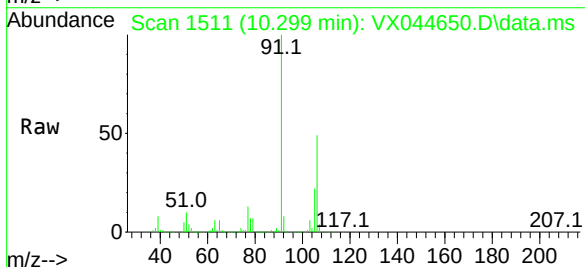
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

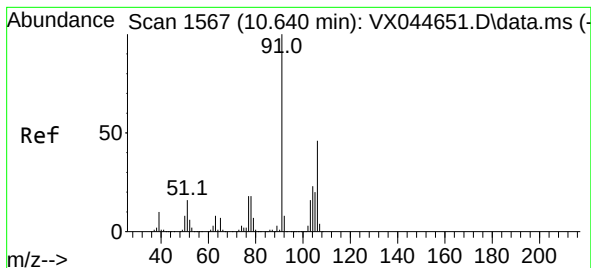
Tgt Ion: 91 Resp: 223249
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6



#68
m/p-Xylenes
Concen: 39.921 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 106 Resp: 167689
Ion Ratio Lower Upper
106 100
91 207.5 166.4 249.6





#69

o-Xylene

Concen: 19.840 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

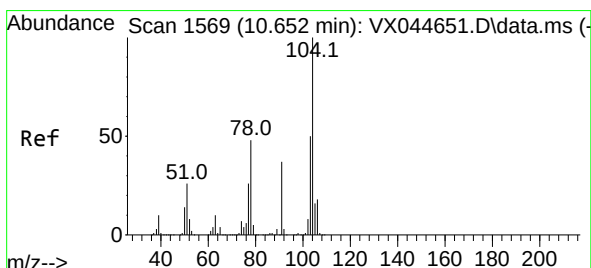
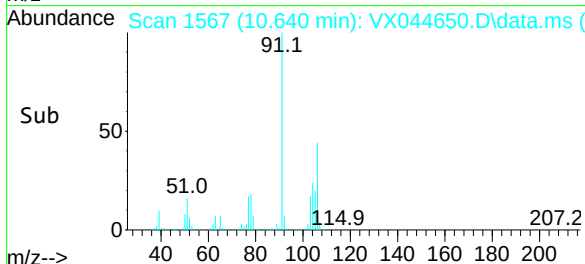
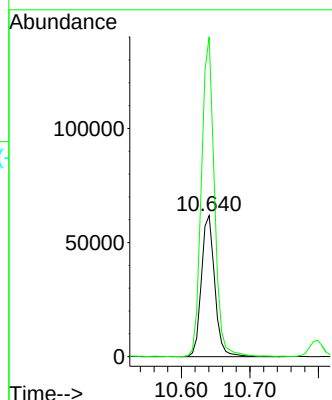
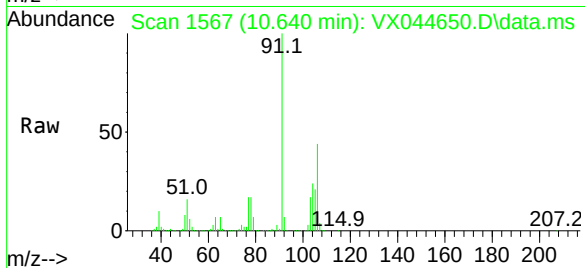
VSTDIC020

Tgt Ion:106 Resp: 84280

Ion Ratio Lower Upper

106 100

91 219.4 108.7 326.3



#70

Styrene

Concen: 20.189 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

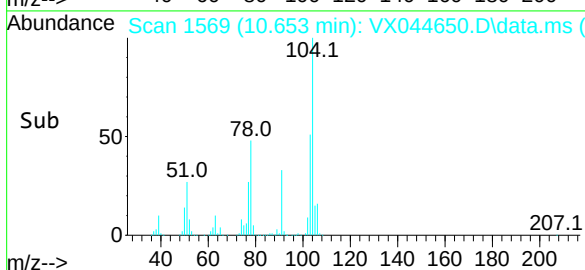
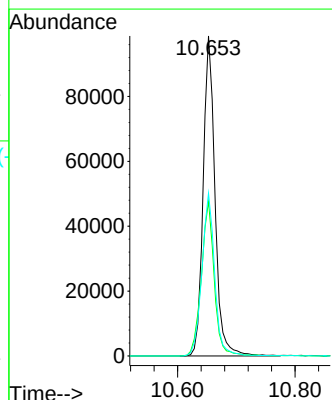
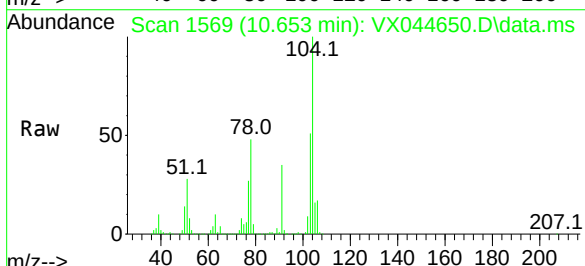
Tgt Ion:104 Resp: 138465

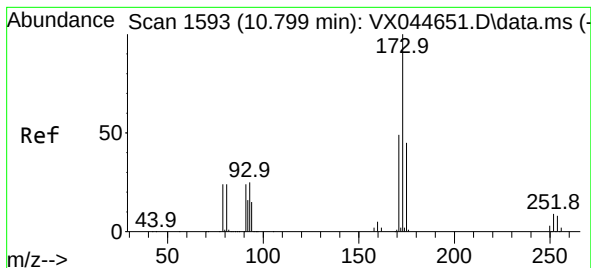
Ion Ratio Lower Upper

104 100

78 52.7 43.0 64.6

103 55.0 43.4 65.2





#71

Bromoform

Concen: 19.198 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

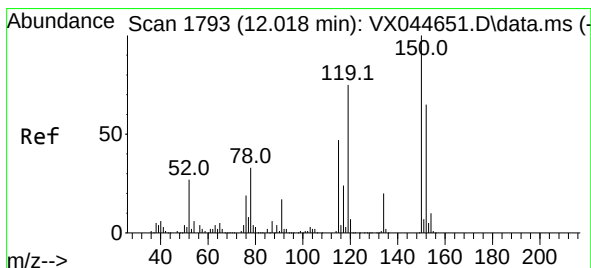
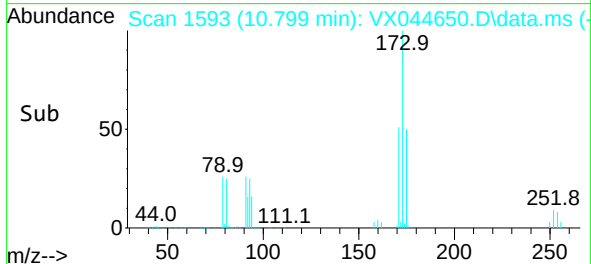
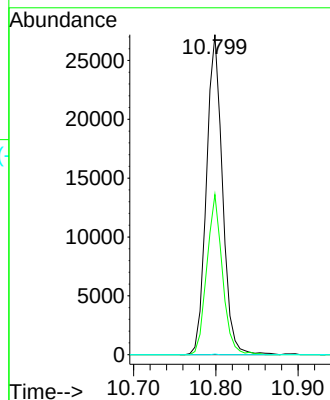
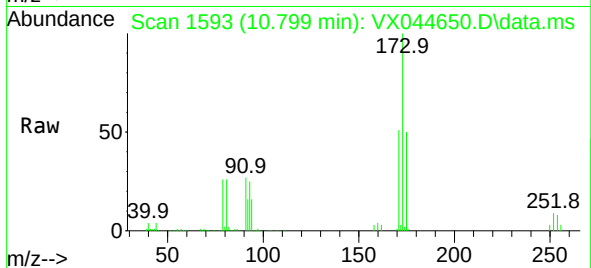
Tgt Ion:173 Resp: 36839

Ion Ratio Lower Upper

173 100

175 48.8 23.6 70.8

254 0.1 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

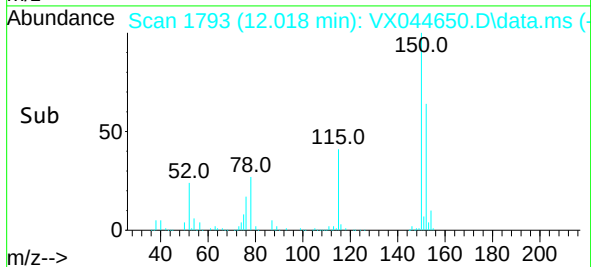
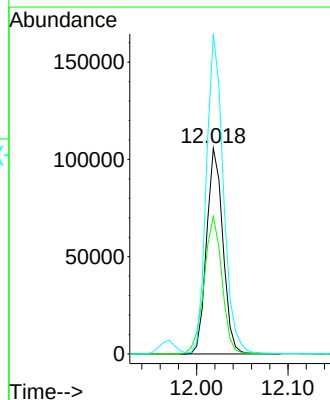
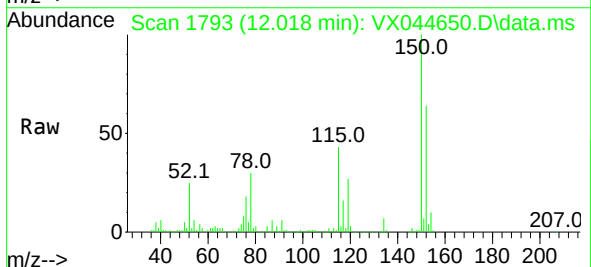
Tgt Ion:152 Resp: 130861

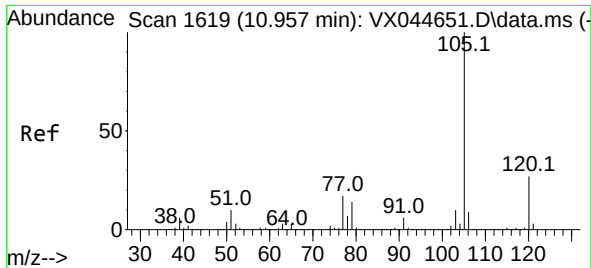
Ion Ratio Lower Upper

152 100

115 73.2 43.8 131.4

150 161.8 0.0 347.8

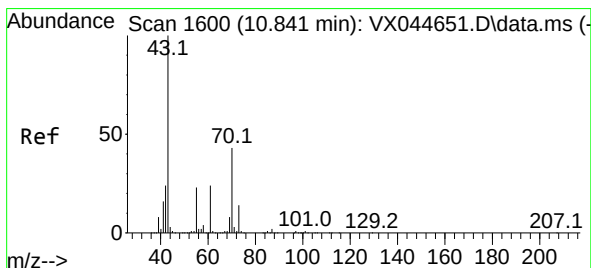
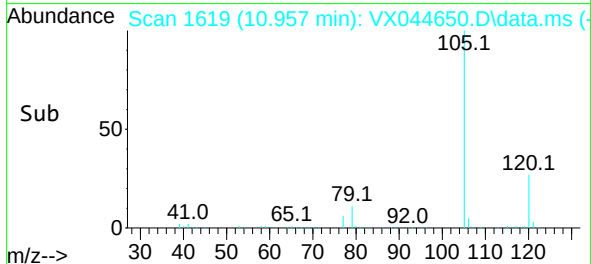
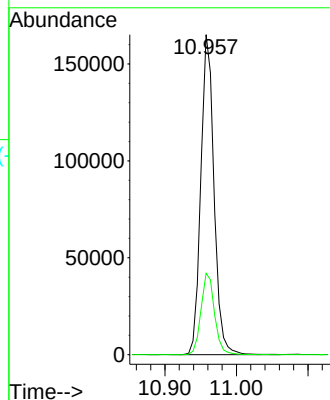
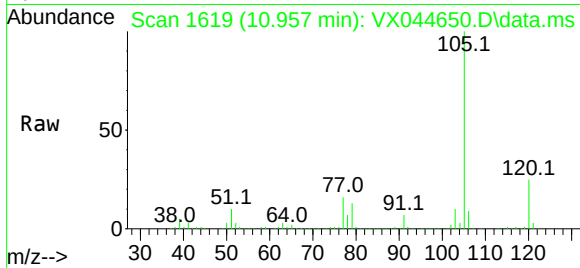




#73
Isopropylbenzene
Concen: 19.797 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

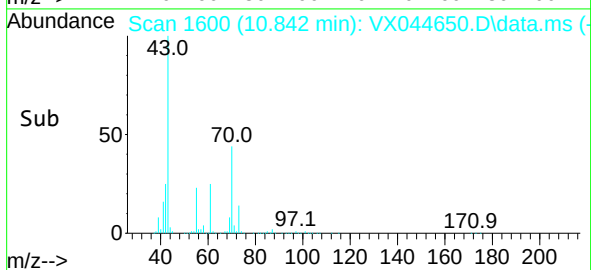
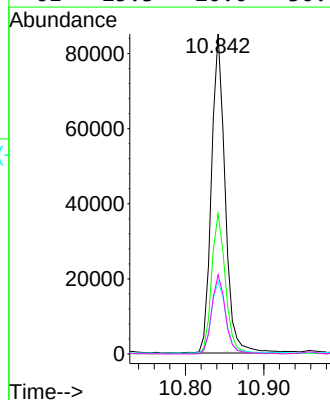
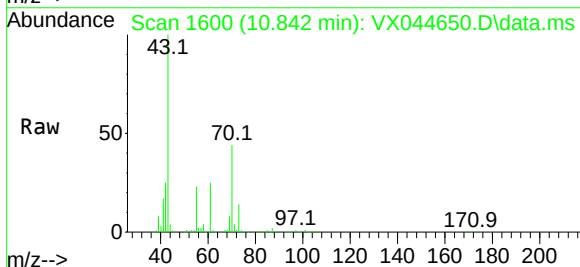
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

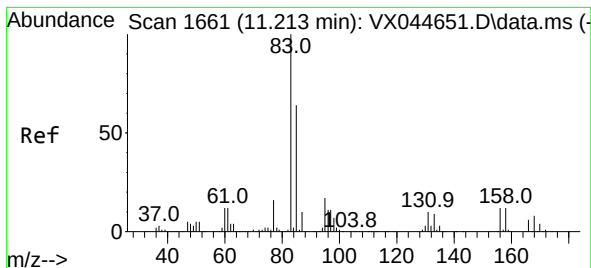
Tgt Ion:105 Resp: 211633
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.6



#74
N-ethyl acetate
Concen: 19.555 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 43 Resp: 103040
Ion Ratio Lower Upper
43 100
70 44.6 35.2 52.8
55 23.6 19.0 28.4
61 25.3 20.0 30.0

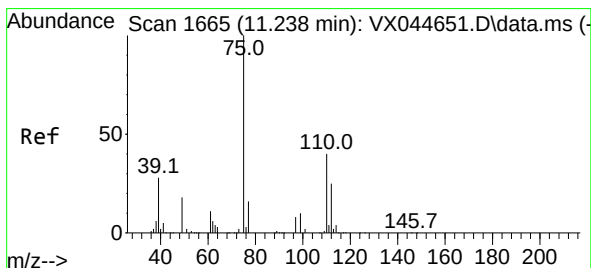
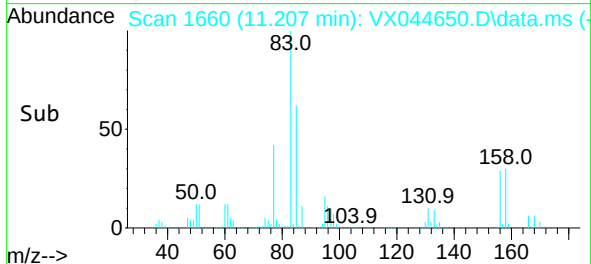
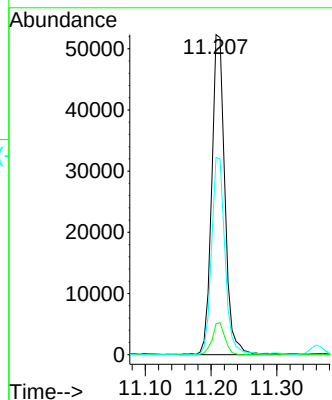
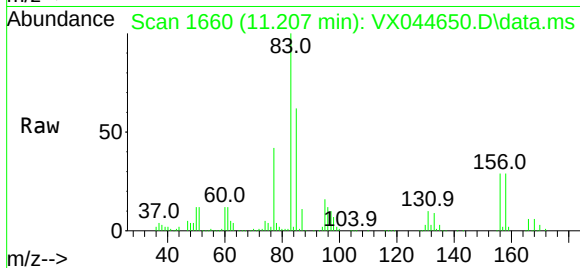




#75
1,1,2,2-Tetrachloroethane
Concen: 19.823 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

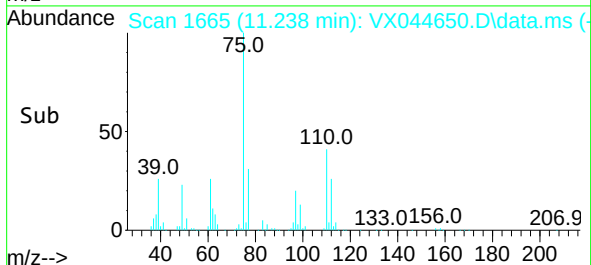
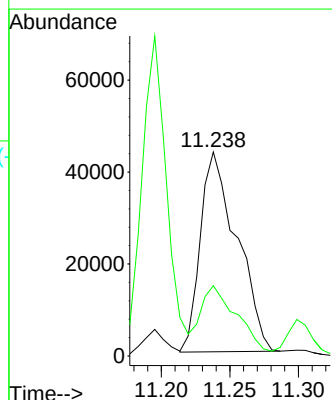
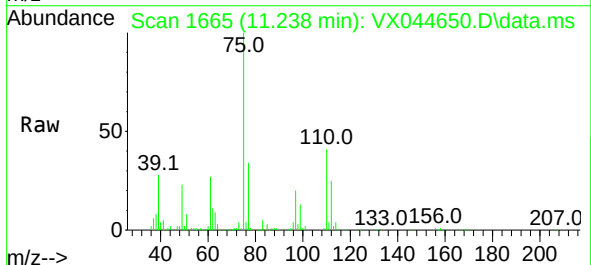
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

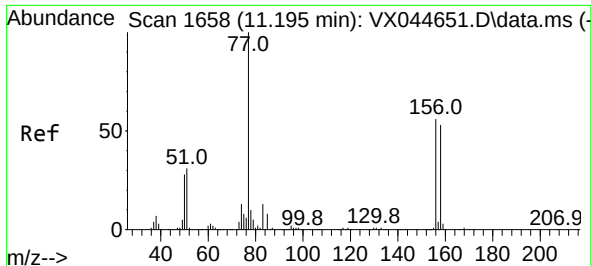
Tgt Ion: 83 Resp: 73190
Ion Ratio Lower Upper
83 100
131 9.6 5.0 14.9
85 62.5 32.0 96.2



#76
1,2,3-Trichloropropane
Concen: 25.454 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 75 Resp: 80837
Ion Ratio Lower Upper
75 100
77 35.5 23.4 70.2

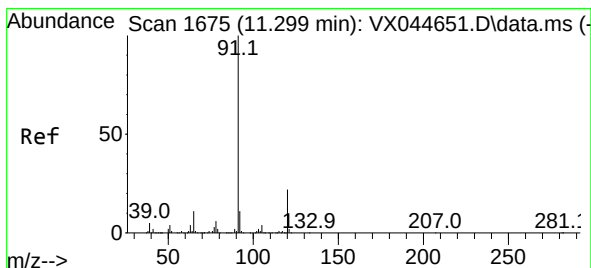
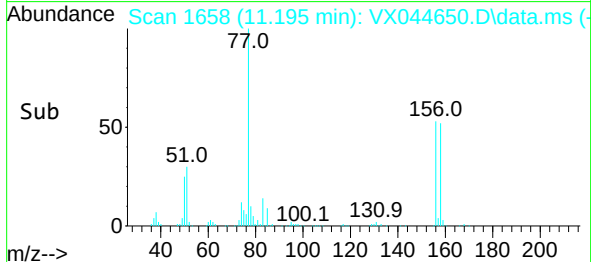
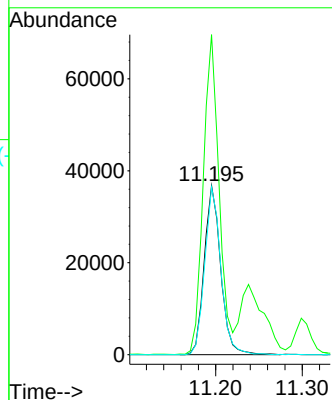
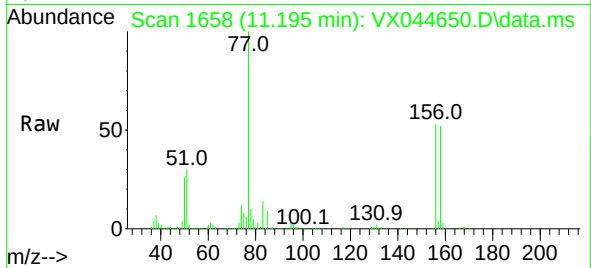




#77
Bromobenzene
Concen: 19.432 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

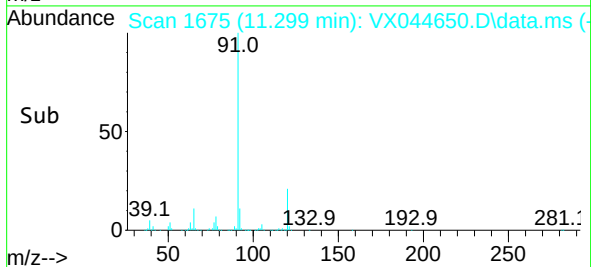
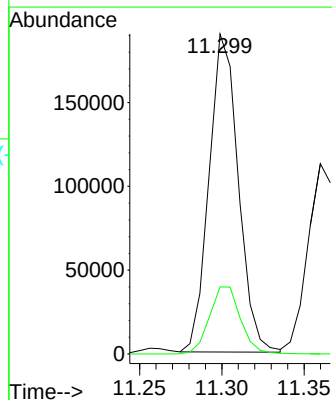
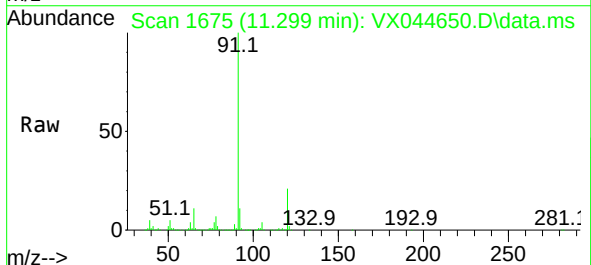
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

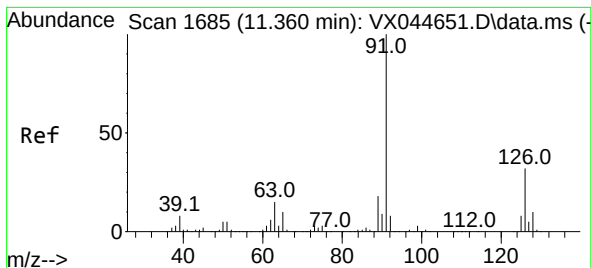
Tgt Ion:156 Resp: 48555
Ion Ratio Lower Upper
156 100
77 181.1 90.3 271.0
158 97.5 48.4 145.3



#78
n-propylbenzene
Concen: 19.896 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 91 Resp: 234567
Ion Ratio Lower Upper
91 100
120 22.5 11.4 34.1





#79

2-Chlorotoluene

Concen: 19.655 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

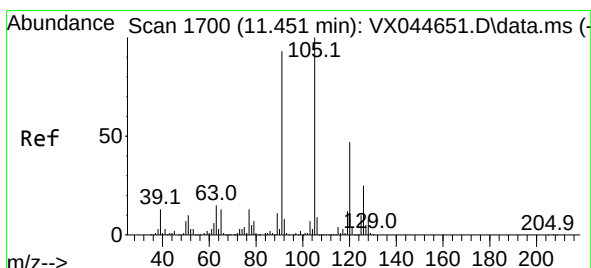
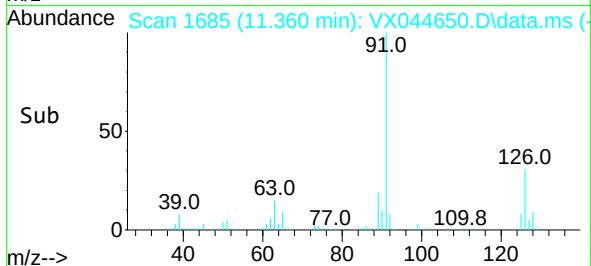
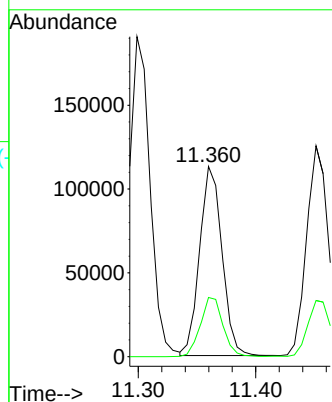
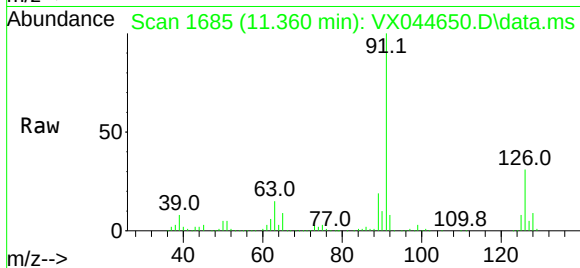
VSTDIC020

Tgt Ion: 91 Resp: 149688

Ion Ratio Lower Upper

91 100

126 31.8 16.2 48.5



#80

1,3,5-Trimethylbenzene

Concen: 19.919 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044650.D

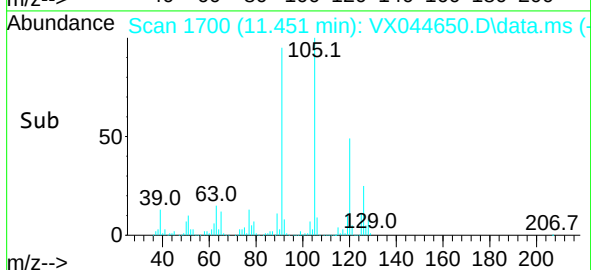
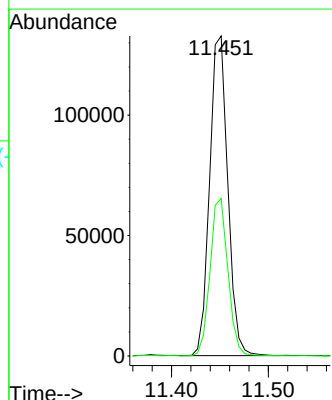
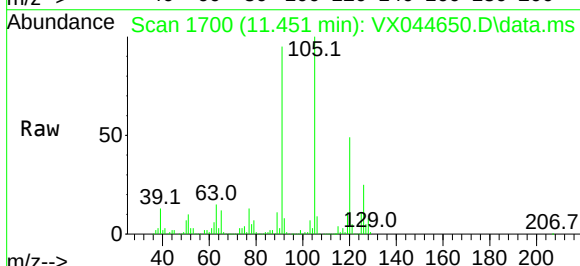
Acq: 15 Jan 2025 11:40

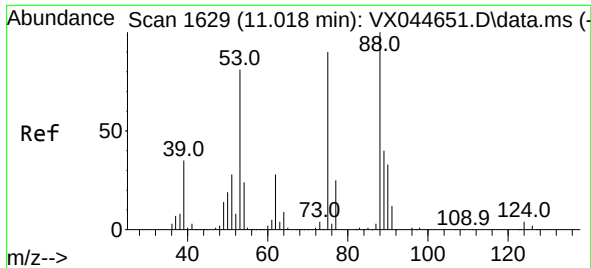
Tgt Ion: 105 Resp: 173348

Ion Ratio Lower Upper

105 100

120 48.5 23.7 71.1

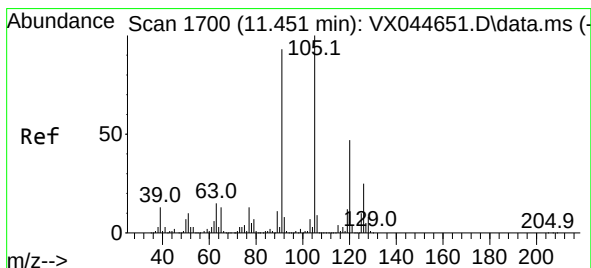
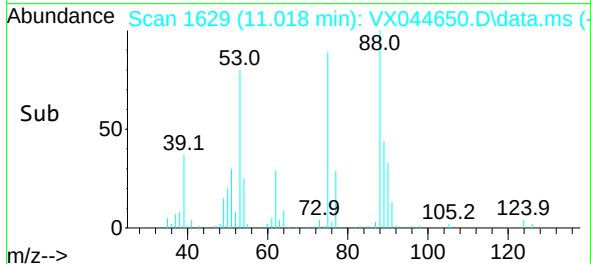
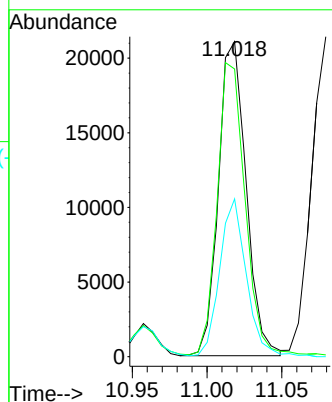
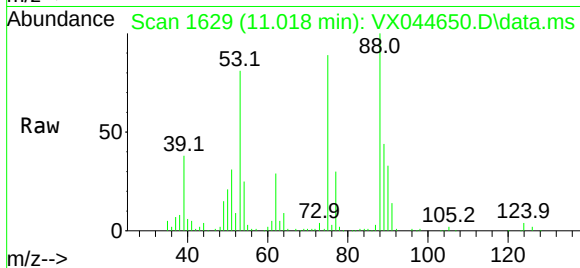




#81
trans-1,4-Dichloro-2-butene
Concen: 19.486 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

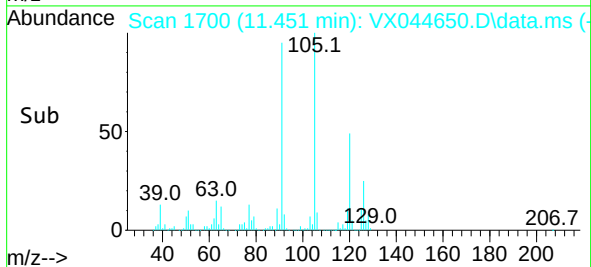
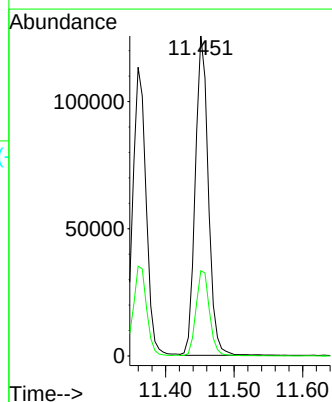
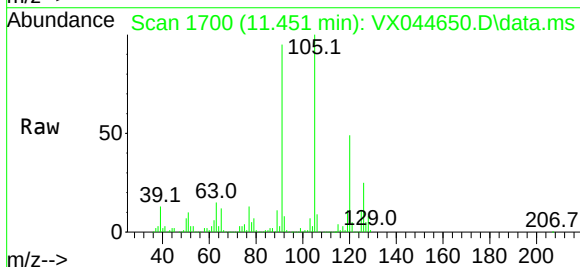
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

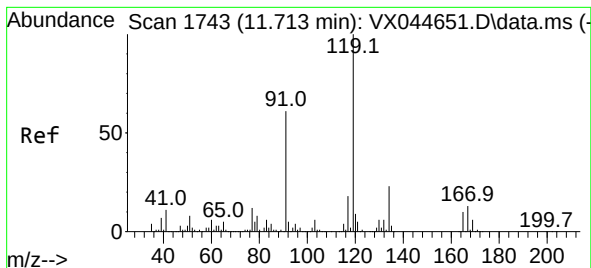
Tgt Ion: 75 Resp: 27061
Ion Ratio Lower Upper
75 100
53 93.5 74.3 111.5
89 48.8 37.4 56.0



#82
4-Chlorotoluene
Concen: 19.968 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 91 Resp: 166586
Ion Ratio Lower Upper
91 100
126 27.8 13.9 41.7





#83

tert-Butylbenzene

Concen: 19.617 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

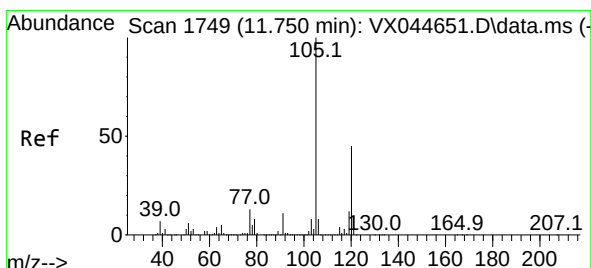
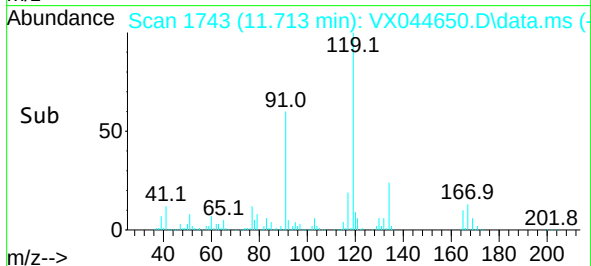
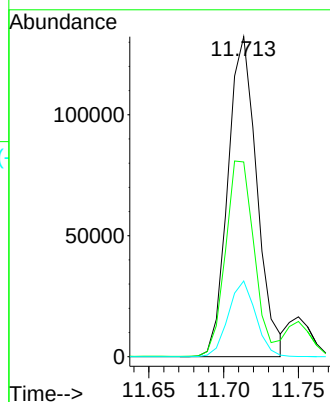
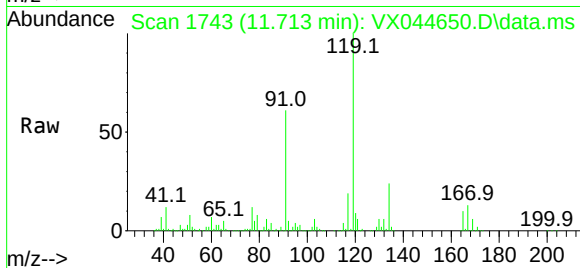
Tgt Ion:119 Resp: 178504

Ion Ratio Lower Upper

119 100

91 59.8 30.0 90.0

134 22.3 11.2 33.5



#84

1,2,4-Trimethylbenzene

Concen: 19.807 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044650.D

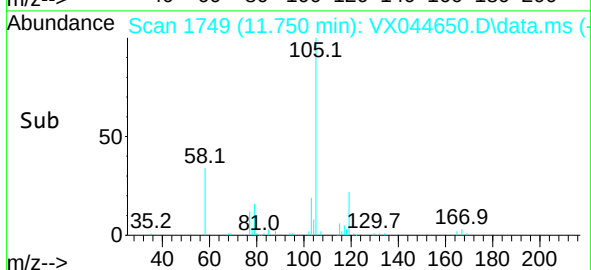
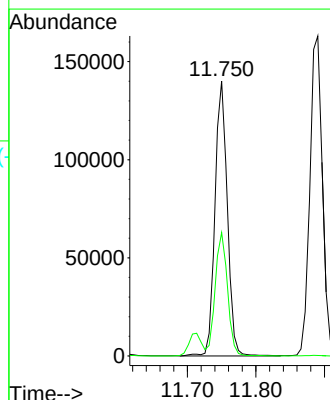
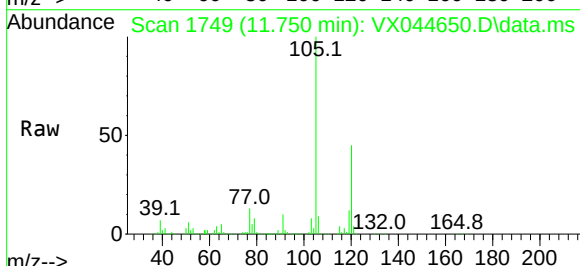
Acq: 15 Jan 2025 11:40

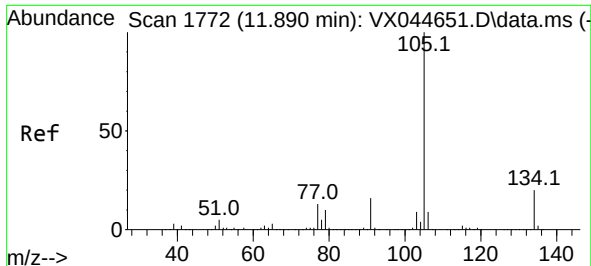
Tgt Ion:105 Resp: 175164

Ion Ratio Lower Upper

105 100

120 44.9 22.2 66.6

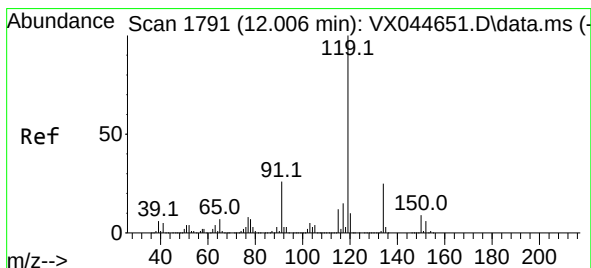
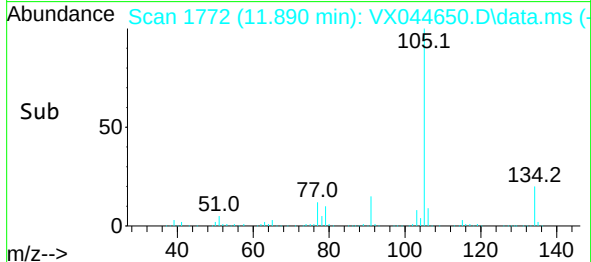
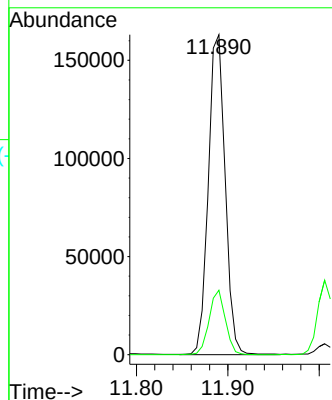
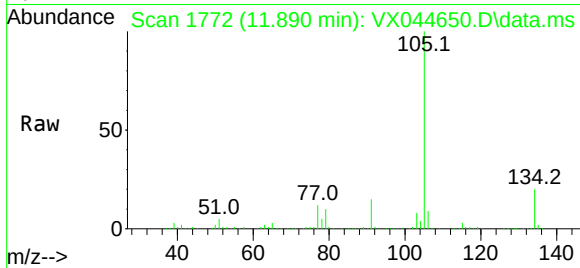




#85
 sec-Butylbenzene
 Concen: 19.649 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044650.D
 Acq: 15 Jan 2025 11:40

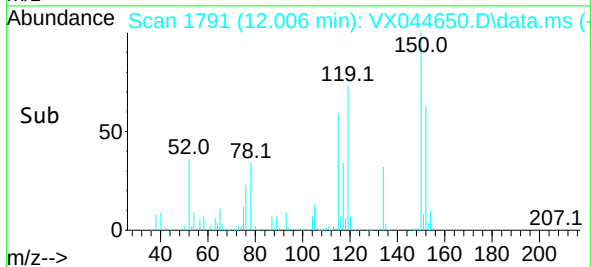
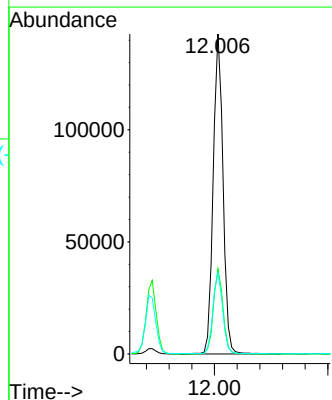
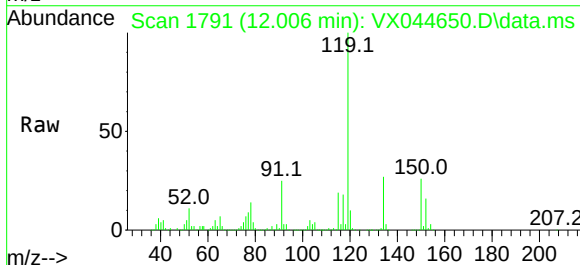
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

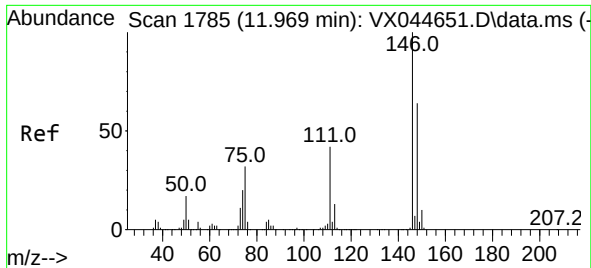
Tgt Ion:105 Resp: 208186
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 19.697 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044650.D
 Acq: 15 Jan 2025 11:40

Tgt Ion:119 Resp: 171507
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.4
 91 25.0 12.7 38.1

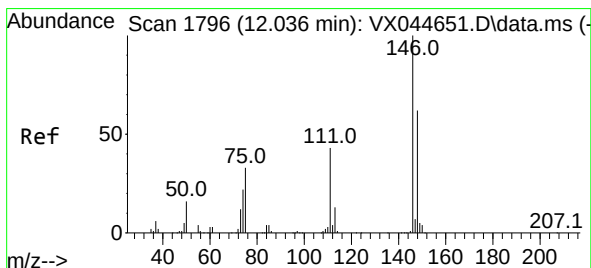
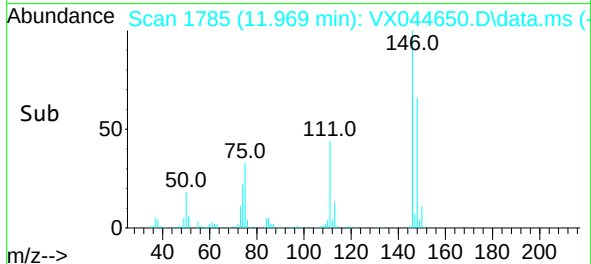
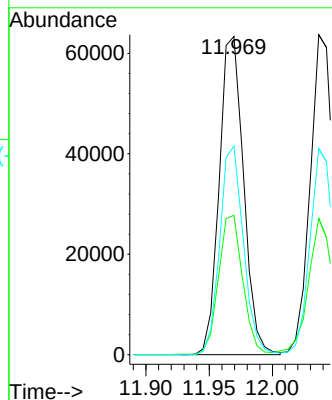
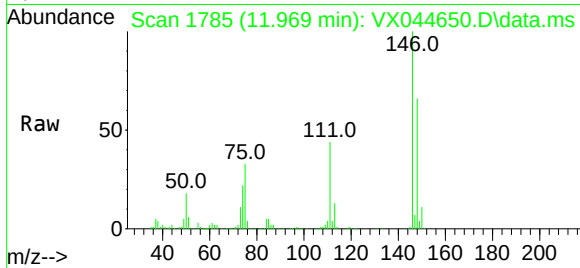




#87
1,3-Dichlorobenzene
Concen: 19.560 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

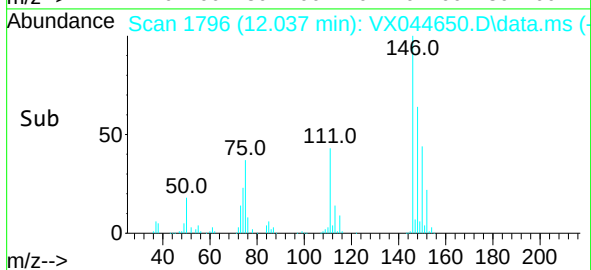
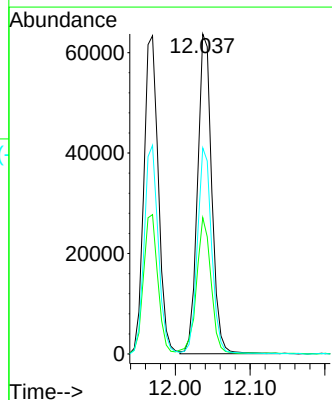
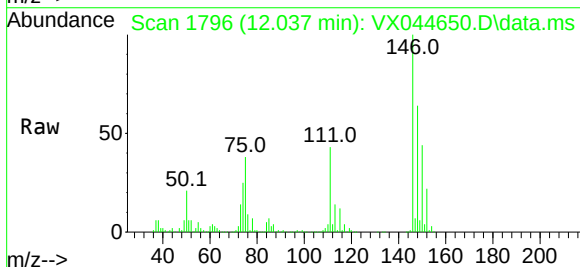
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

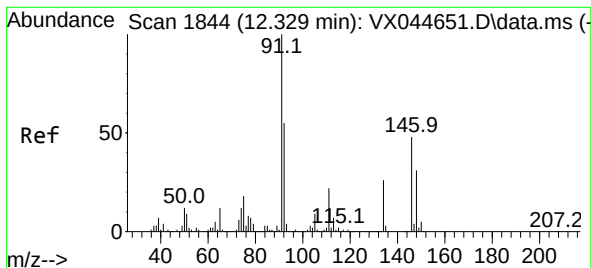
Tgt Ion:146 Resp: 84759
Ion Ratio Lower Upper
146 100
111 43.7 21.9 65.7
148 63.9 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 19.188 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:146 Resp: 84055
Ion Ratio Lower Upper
146 100
111 42.8 21.5 64.5
148 64.1 32.1 96.5





#89

n-Butylbenzene

Concen: 19.391 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

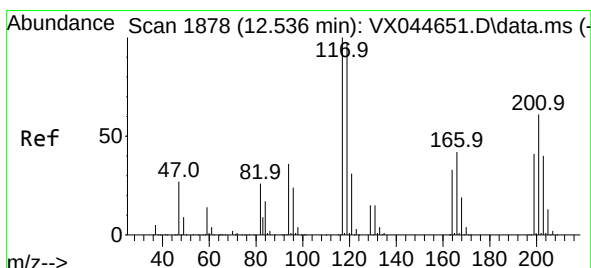
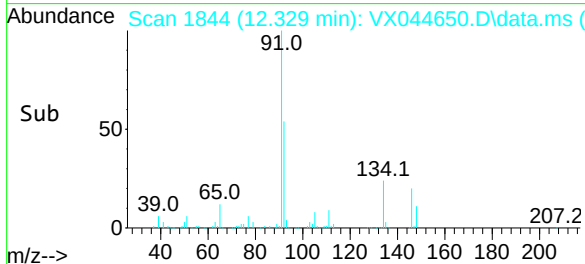
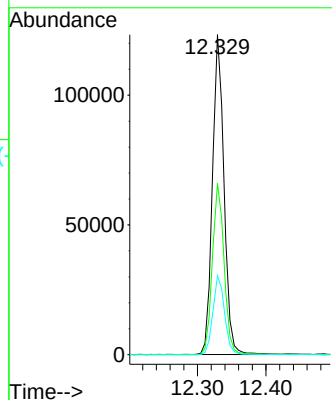
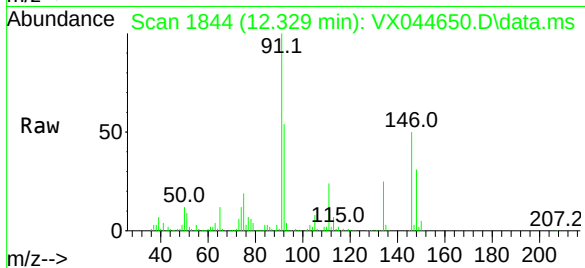
Tgt Ion: 91 Resp: 145015

Ion Ratio Lower Upper

91 100

92 54.4 27.4 82.0

134 25.0 12.8 38.3



#90

Hexachloroethane

Concen: 18.693 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044650.D

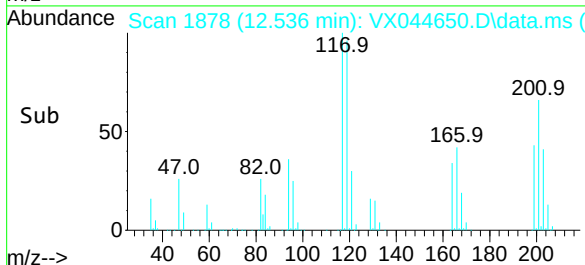
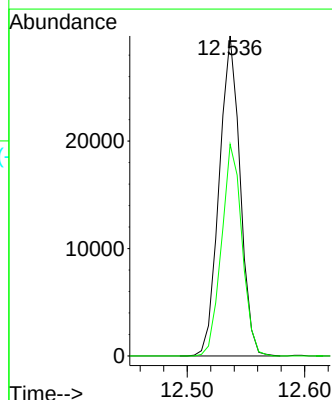
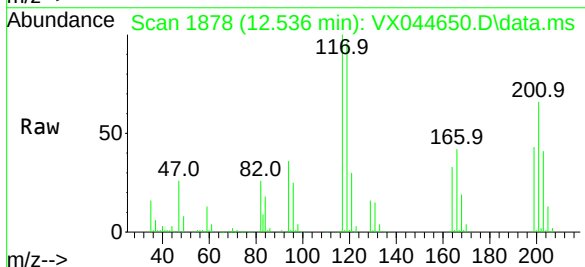
Acq: 15 Jan 2025 11:40

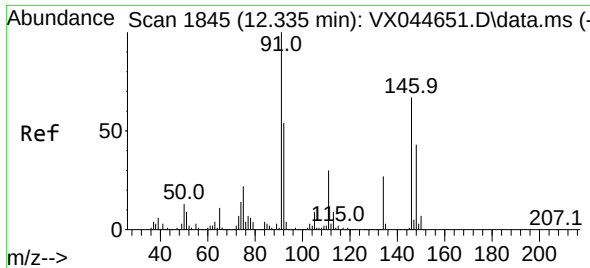
Tgt Ion: 117 Resp: 36858

Ion Ratio Lower Upper

117 100

201 64.9 32.3 96.8

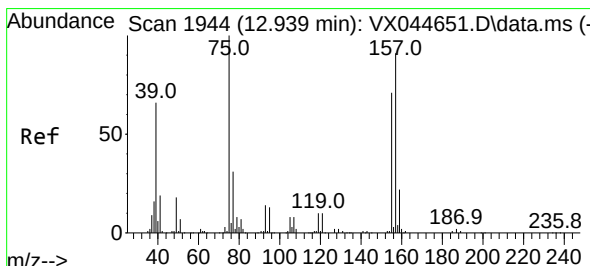
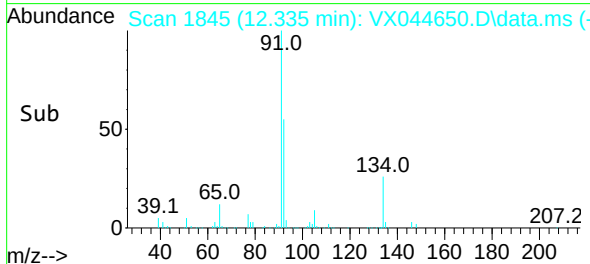
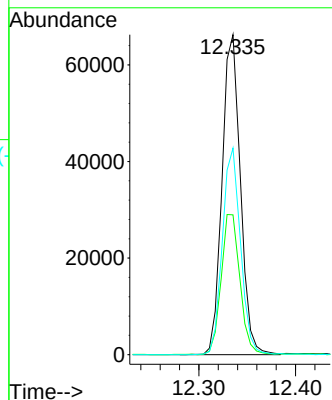
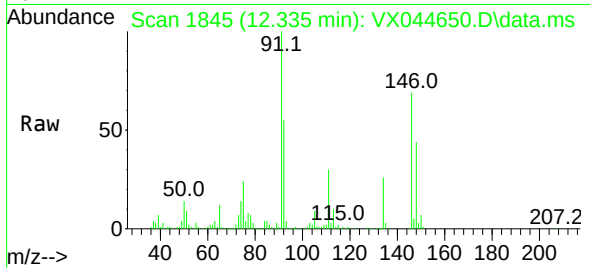




#91
 1,2-Dichlorobenzene
 Concen: 19.582 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: VX044650.D
 Acq: 15 Jan 2025 11:40

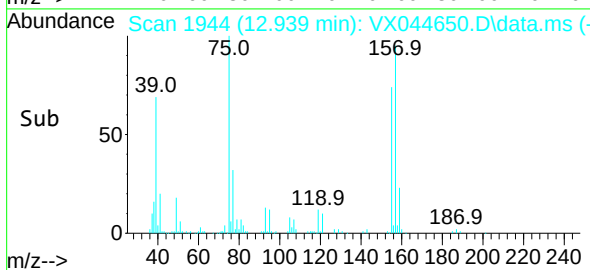
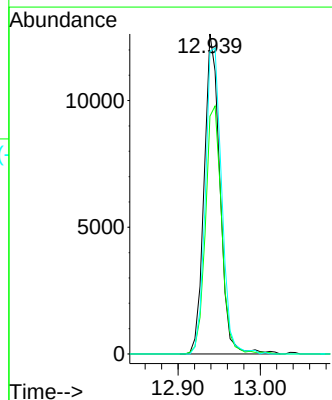
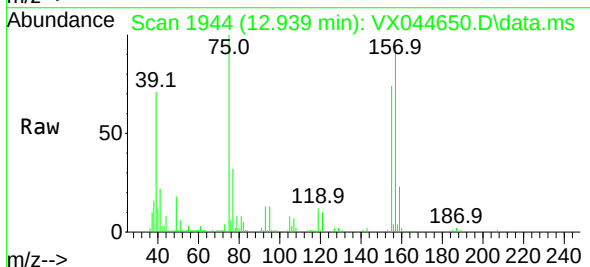
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

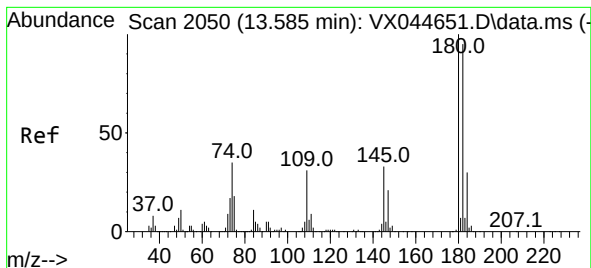
Tgt Ion:146 Resp: 87147
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.4 67.2
 148 64.1 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.572 ug/l
 RT: 12.939 min Scan# 1944
 Delta R.T. 0.000 min
 Lab File: VX044650.D
 Acq: 15 Jan 2025 11:40

Tgt Ion: 75 Resp: 16770
 Ion Ratio Lower Upper
 75 100
 155 79.6 39.0 116.9
 157 99.0 49.9 149.7





#93

1,2,4-Trichlorobenzene

Concen: 18.595 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

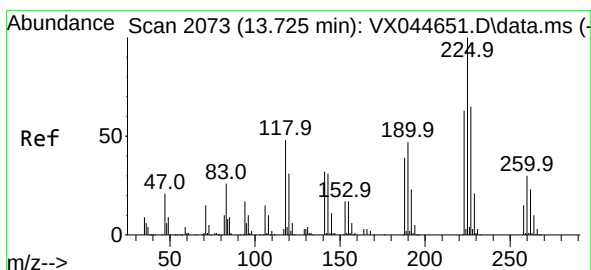
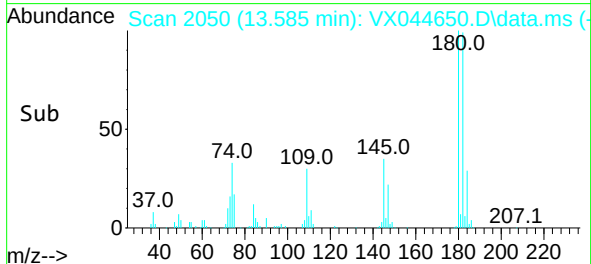
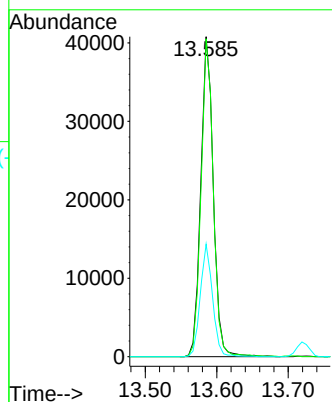
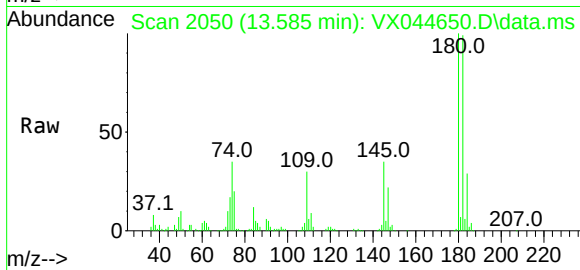
Tgt Ion:180 Resp: 49471

Ion Ratio Lower Upper

180 100

182 97.1 47.4 142.2

145 34.5 16.7 50.1



#94

Hexachlorobutadiene

Concen: 18.672 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

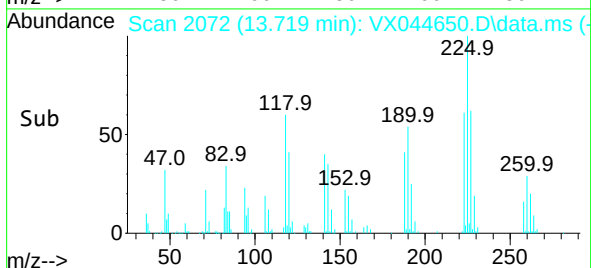
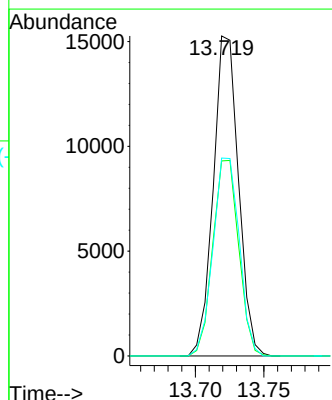
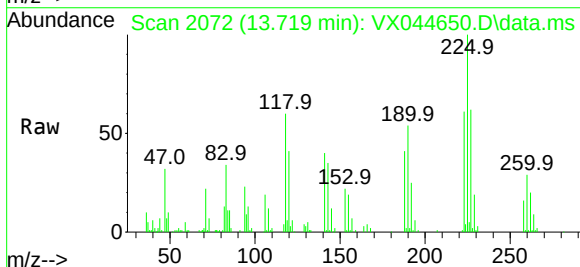
Tgt Ion:225 Resp: 19513

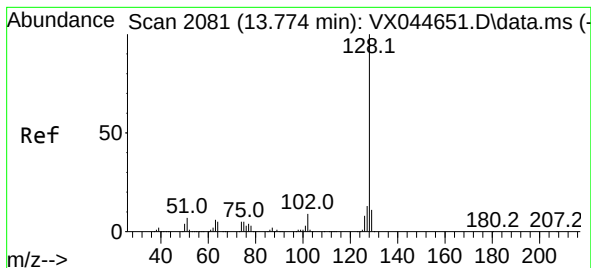
Ion Ratio Lower Upper

225 100

223 62.8 31.9 95.7

227 64.4 31.8 95.4





#95

Naphthalene

Concen: 19.372 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

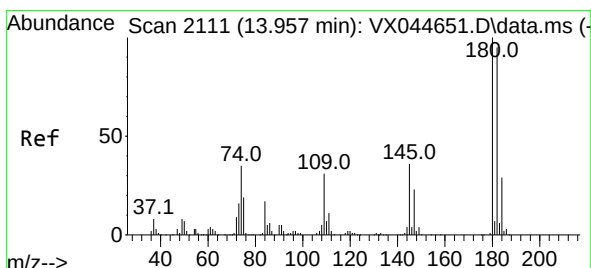
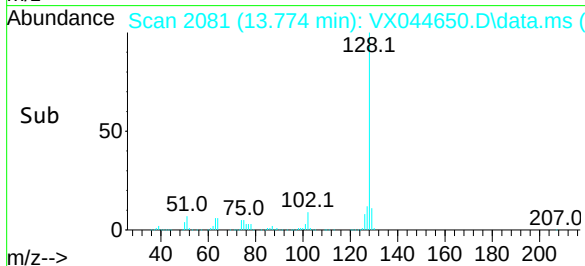
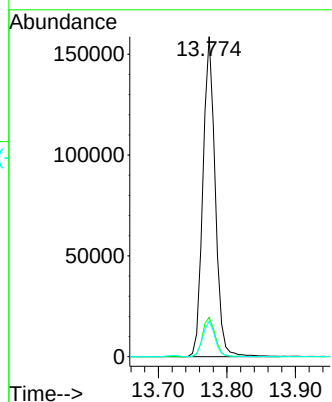
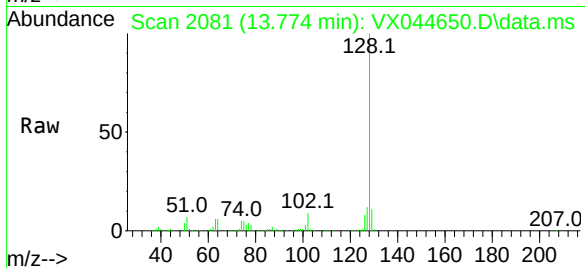
Tgt Ion:128 Resp: 198769

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 11.1 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 19.093 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044650.D

Acq: 15 Jan 2025 11:40

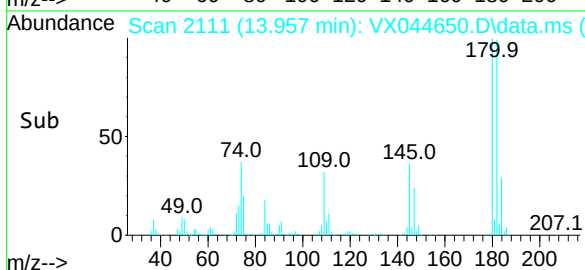
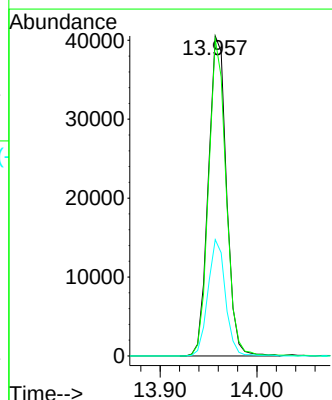
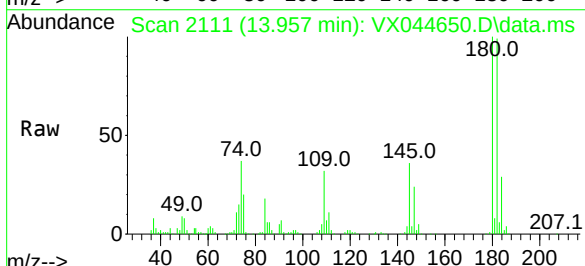
Tgt Ion:180 Resp: 52651

Ion Ratio Lower Upper

180 100

182 95.9 47.2 141.6

145 35.2 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044651.D
 Acq On : 15 Jan 2025 12:02
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Jan 30 04:56:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	191095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	351701	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	301141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	127832	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	142316	49.339	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.680%
35) Dibromofluoromethane	5.379	113	111739	50.011	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.020%
50) Toluene-d8	8.647	98	390660	50.145	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.300%
62) 4-Bromofluorobenzene	11.079	95	148223	51.037	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.080%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	129814	50.482	ug/l	100
3) Chloromethane	1.300	50	135661	48.786	ug/l	100
4) Vinyl Chloride	1.374	62	134180	48.836	ug/l	100
5) Bromomethane	1.593	94	32585	49.668	ug/l	100
6) Chloroethane	1.660	64	22356	44.371	ug/l	100
7) Trichlorofluoromethane	1.867	101	146280	48.172	ug/l	100
8) Diethyl Ether	2.136	74	55843	45.569	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	105786	46.343	ug/l	100
10) Methyl Iodide	2.440	142	154347	49.525	ug/l	100
11) Tert butyl alcohol	2.983	59	68449	106.447	ug/l #	84
12) 1,1-Dichloroethene	2.306	96	108167	48.342	ug/l	100
13) Acrolein	2.239	56	64703	213.821	ug/l	100
14) Allyl chloride	2.654	41	200446	46.011	ug/l	100
15) Acrylonitrile	3.062	53	298629	236.777	ug/l	100
16) Acetone	2.386	43	255513	223.898	ug/l	100
17) Carbon Disulfide	2.501	76	295098	48.333	ug/l	100
18) Methyl Acetate	2.703	43	168213	47.777	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	388306	47.913	ug/l	100
20) Methylene Chloride	2.782	84	124271	46.761	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	108489	46.441	ug/l	100
22) Diisopropyl ether	3.757	45	363224	47.964	ug/l	100
23) Vinyl Acetate	3.715	43	1576614	237.862	ug/l	100
24) 1,1-Dichloroethane	3.599	63	215178	47.915	ug/l	100
25) 2-Butanone	4.556	43	407104	239.931	ug/l	100
26) 2,2-Dichloropropane	4.465	77	201388	46.271	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	137091	46.654	ug/l	100
28) Bromochloromethane	4.891	49	101453	48.346	ug/l	100
29) Tetrahydrofuran	5.001	42	256051	233.952	ug/l	100
30) Chloroform	5.086	83	218193	48.144	ug/l	100
31) Cyclohexane	5.458	56	177904	48.981	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	190478	45.718	ug/l	100
36) 1,1-Dichloropropene	5.684	75	143445	46.120	ug/l	100
37) Ethyl Acetate	4.708	43	162853	49.168	ug/l	100
38) Carbon Tetrachloride	5.672	117	161882	46.273	ug/l	100
39) Methylcyclohexane	7.373	83	193759	46.929	ug/l	100
40) Benzene	6.031	78	459433	47.670	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044651.D
 Acq On : 15 Jan 2025 12:02
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Jan 30 04:56:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	89498	46.371	ug/l	100
42) 1,2-Dichloroethane	6.080	62	167878	47.725	ug/l	100
43) Isopropyl Acetate	6.336	43	286693	47.053	ug/l	100
44) Trichloroethene	7.116	130	111112	47.956	ug/l	100
45) 1,2-Dichloropropane	7.427	63	115621	47.660	ug/l	100
46) Dibromomethane	7.574	93	86455	46.813	ug/l	100
47) Bromodichloromethane	7.818	83	178531	47.138	ug/l	100
48) Methyl methacrylate	7.690	41	140450	49.659	ug/l	100
49) 1,4-Dioxane	7.665	88	55679	943.583	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	790152	234.662	ug/l	100
52) Toluene	8.714	92	283156	48.001	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	191876	49.036	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	201804	47.563	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	112274	47.043	ug/l	100
56) Ethyl methacrylate	9.116	69	198422	48.353	ug/l	100
57) 1,3-Dichloropropane	9.305	76	195182	48.025	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	479521	238.018	ug/l	100
59) 2-Hexanone	9.433	43	580029	234.142	ug/l	100
60) Dibromochloromethane	9.518	129	133941	47.816	ug/l	100
61) 1,2-Dibromoethane	9.604	107	118382	47.331	ug/l	100
64) Tetrachloroethene	9.269	164	89149	47.145	ug/l	100
65) Chlorobenzene	10.073	112	303658	47.474	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	110395	47.490	ug/l	100
67) Ethyl Benzene	10.189	91	535714	48.000	ug/l	100
68) m/p-Xylenes	10.299	106	395084	95.393	ug/l	100
69) o-Xylene	10.640	106	200396	47.845	ug/l	100
70) Styrene	10.652	104	327844	48.481	ug/l	100
71) Bromoform	10.799	173	90837	48.011	ug/l	100
73) Isopropylbenzene	10.957	105	500669	47.943	ug/l	100
74) N-amyl acetate	10.841	43	242893	47.188	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	166468	46.155	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	196621	63.379	ug/l	80
77) Bromobenzene	11.195	156	115377	47.268	ug/l	100
78) n-propylbenzene	11.299	91	561396	48.746	ug/l	100
79) 2-Chlorotoluene	11.360	91	353178	47.474	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	407362	47.918	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	65476	48.266	ug/l	100
82) 4-Chlorotoluene	11.451	91	393120	48.238	ug/l	100
83) tert-Butylbenzene	11.713	119	422348	47.513	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	410477	47.515	ug/l	100
85) sec-Butylbenzene	11.890	105	497964	48.113	ug/l	100
86) p-Isopropyltoluene	12.006	119	411853	48.421	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	206233	48.720	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	201574	47.105	ug/l	100
89) n-Butylbenzene	12.329	91	358698	49.100	ug/l	100
90) Hexachloroethane	12.536	117	88230	45.808	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	207903	47.824	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39659	44.962	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	131779	50.708	ug/l	100
94) Hexachlorobutadiene	13.725	225	50255	49.230	ug/l	100
95) Naphthalene	13.774	128	487525	48.639	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	134816	50.047	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044651.D
Acq On : 15 Jan 2025 12:02
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

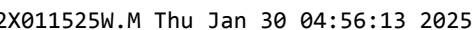
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

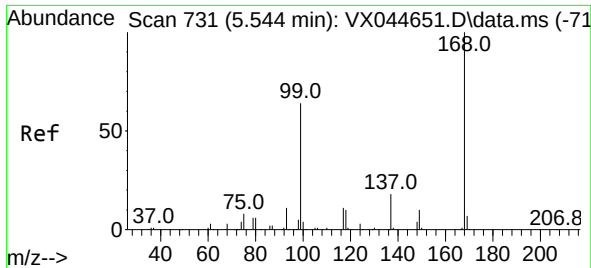
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

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

Quant Time: Jan 30 04:56:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

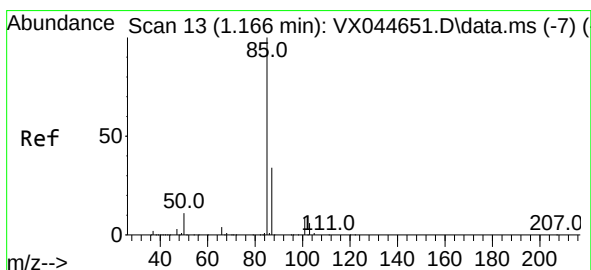
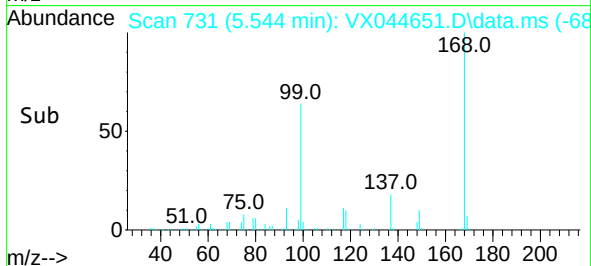
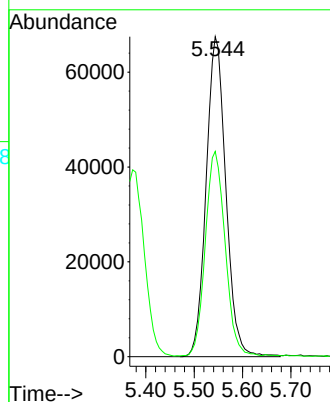
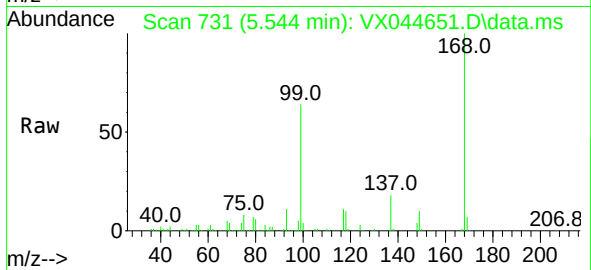




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

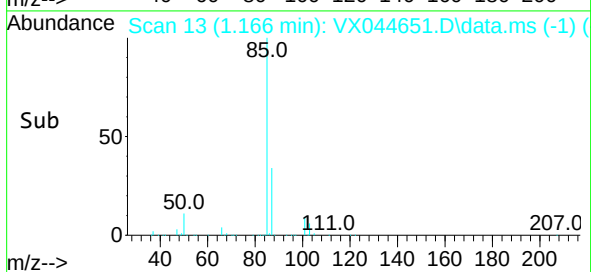
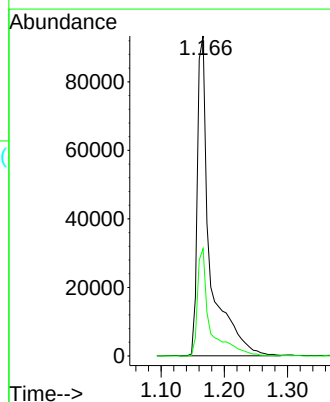
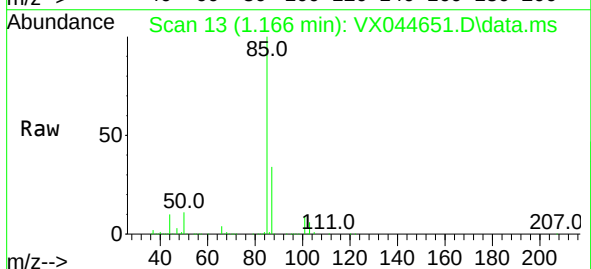
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

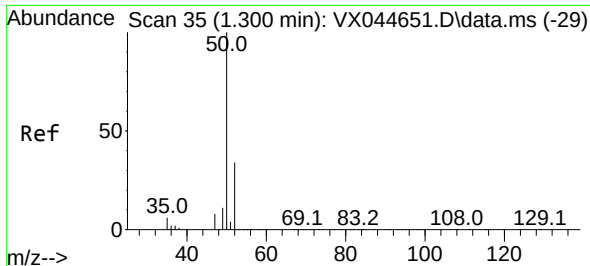
Tgt Ion:168 Resp: 191095
Ion Ratio Lower Upper
168 100
99 63.9 51.1 76.7



#2
Dichlorodifluoromethane
Concen: 50.482 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 85 Resp: 129814
Ion Ratio Lower Upper
85 100
87 33.6 16.8 50.4

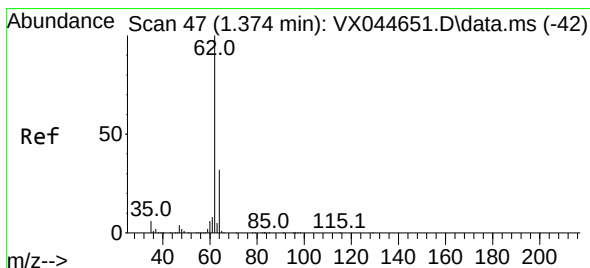
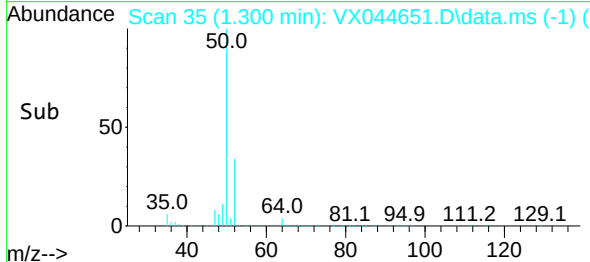
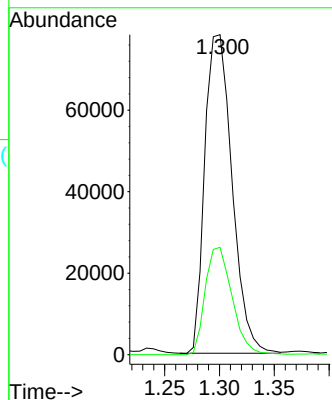
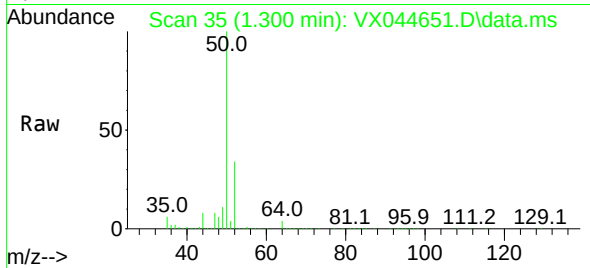




#3
Chloromethane
Concen: 48.786 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

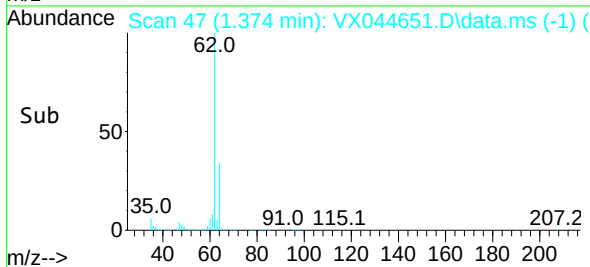
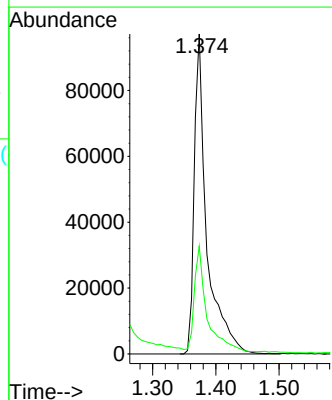
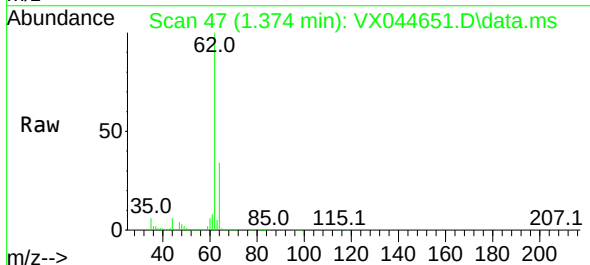
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

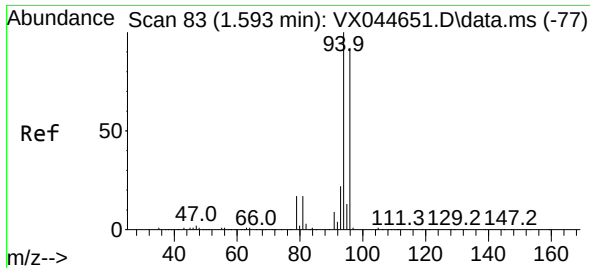
Tgt Ion: 50 Resp: 135661
Ion Ratio Lower Upper
50 100
52 33.7 27.0 40.4



#4
Vinyl Chloride
Concen: 48.836 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 62 Resp: 134180
Ion Ratio Lower Upper
62 100
64 33.2 26.6 39.8

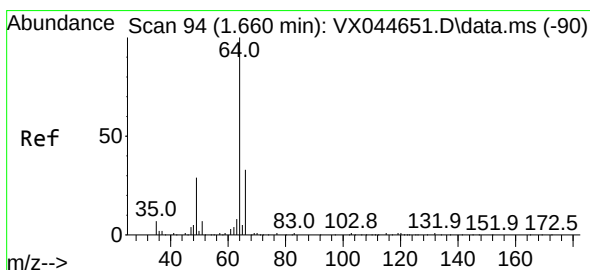
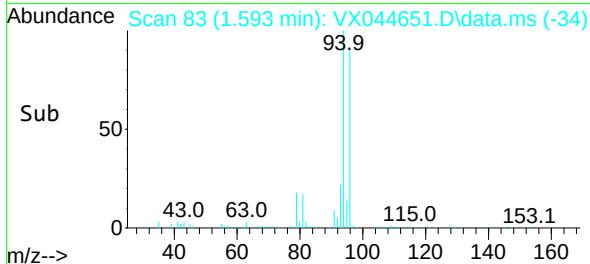
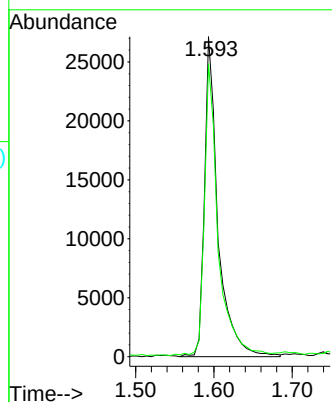
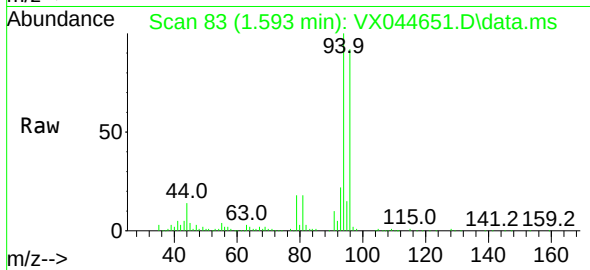




#5
Bromomethane
Concen: 49.668 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

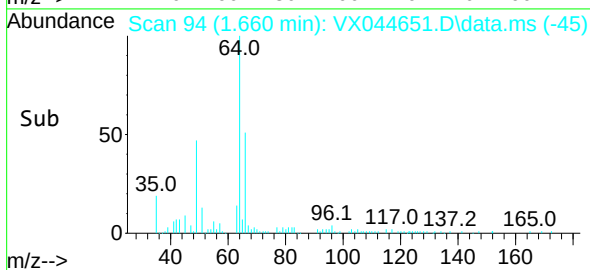
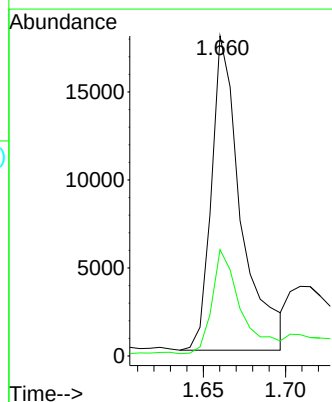
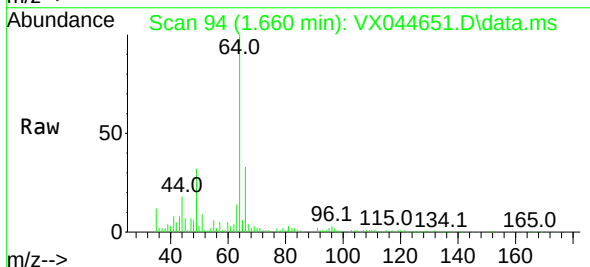
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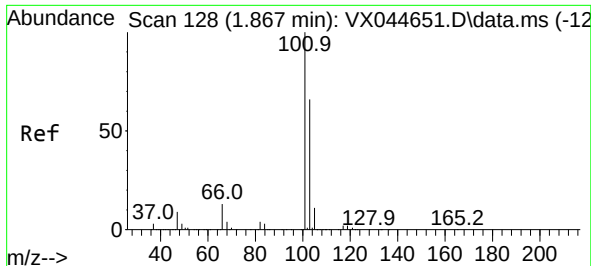
Tgt Ion: 94 Resp: 32585
Ion Ratio Lower Upper
94 100
96 91.0 72.8 109.2



#6
Chloroethane
Concen: 44.371 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 64 Resp: 22356
Ion Ratio Lower Upper
64 100
66 33.2 26.6 39.8

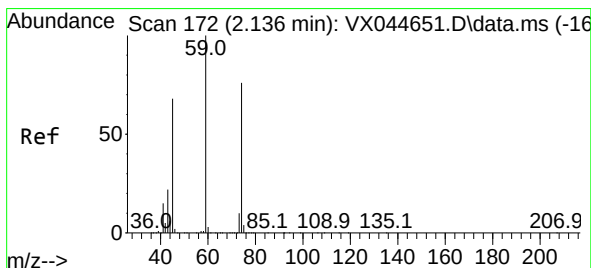
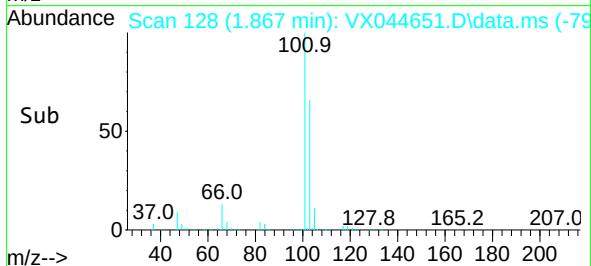
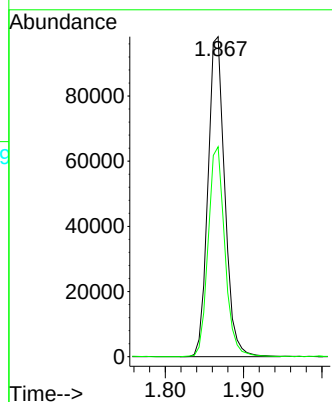
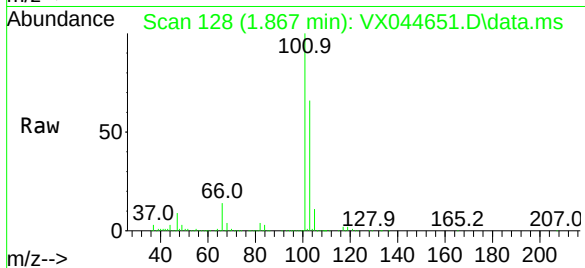




#7
 Trichlorofluoromethane
 Concen: 48.172 ug/l
 RT: 1.867 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044651.D
 Acq: 15 Jan 2025 12:02

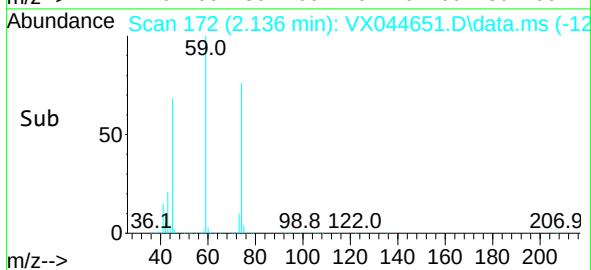
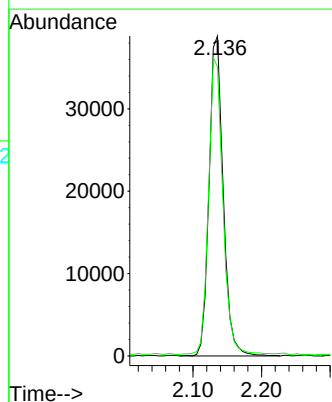
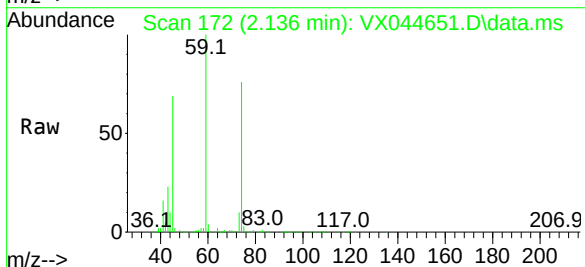
Instrument :
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 ClientSampleId :
 VSTDICCC050

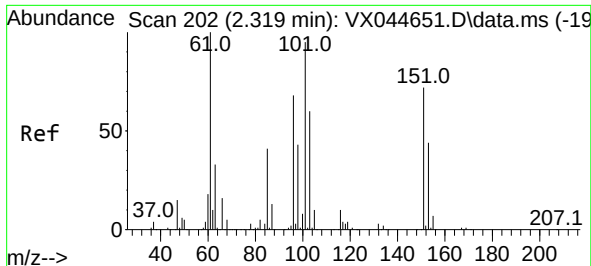
Tgt Ion:101 Resp: 146280
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.5 78.7



#8
 Diethyl Ether
 Concen: 45.569 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. 0.000 min
 Lab File: VX044651.D
 Acq: 15 Jan 2025 12:02

Tgt Ion: 74 Resp: 55843
 Ion Ratio Lower Upper
 74 100
 45 94.2 47.1 141.3

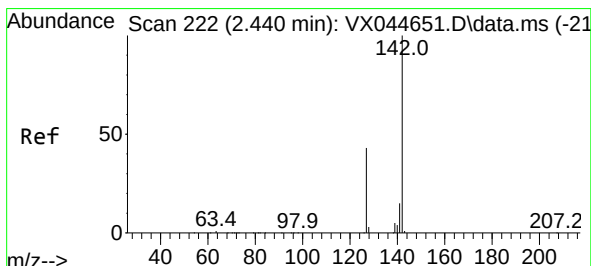
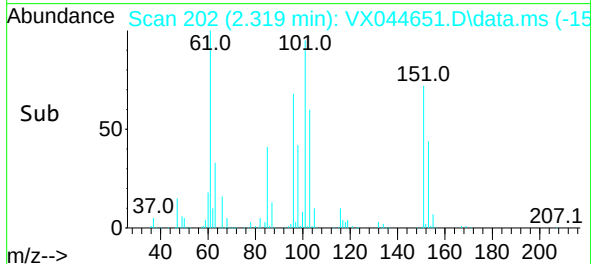
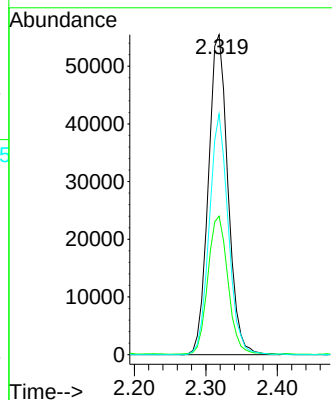
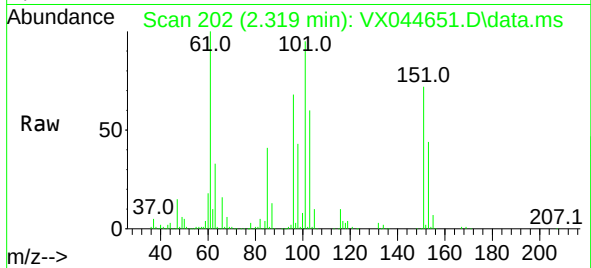




#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.343 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

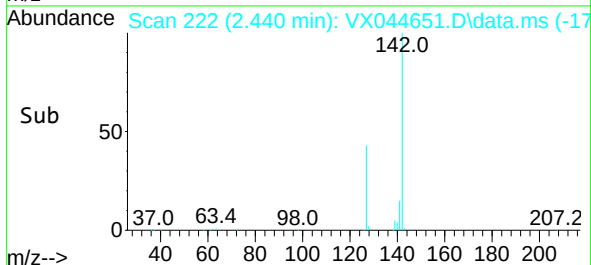
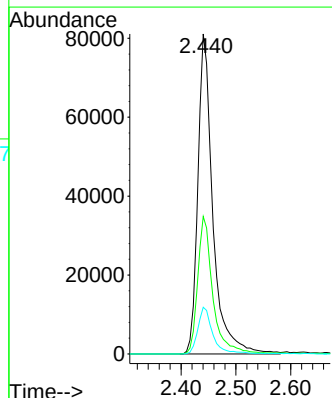
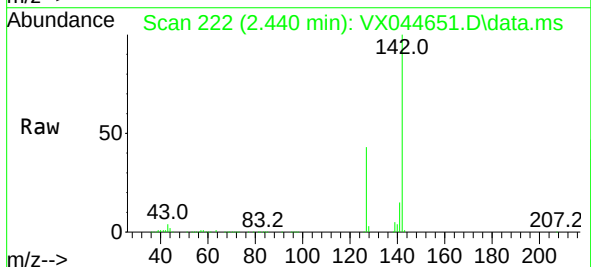
Instrument :
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ClientSampleId :
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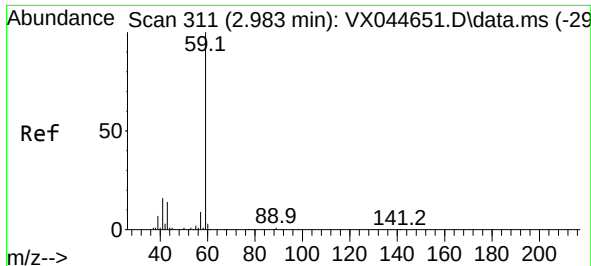
Tgt Ion:101 Resp: 105786
Ion Ratio Lower Upper
101 100
85 44.1 35.3 52.9
151 72.8 58.2 87.4



#10
Methyl Iodide
Concen: 49.525 ug/l
RT: 2.440 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:142 Resp: 154347
Ion Ratio Lower Upper
142 100
127 43.7 35.0 52.4
141 14.6 11.7 17.5

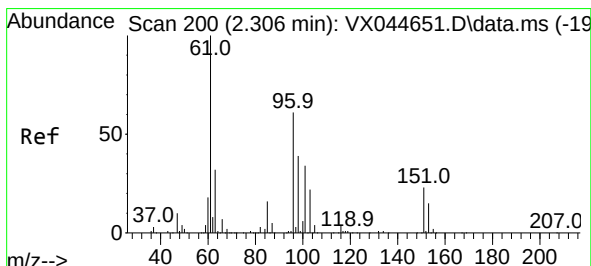
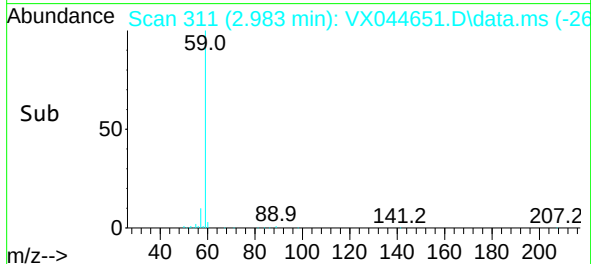
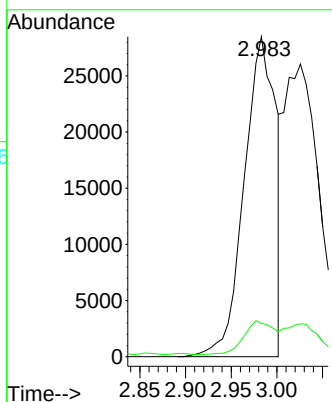
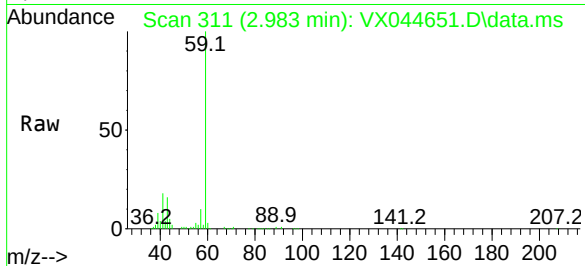




#11
Tert butyl alcohol
Concen: 106.447 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

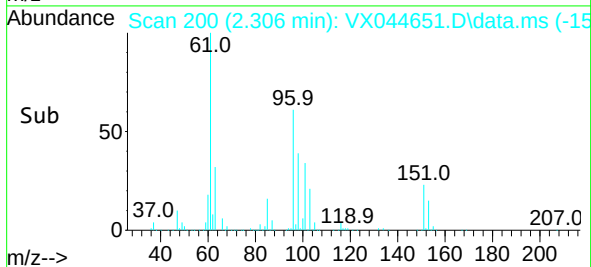
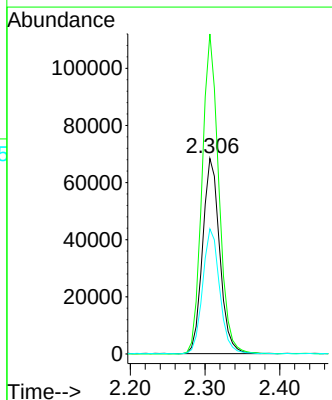
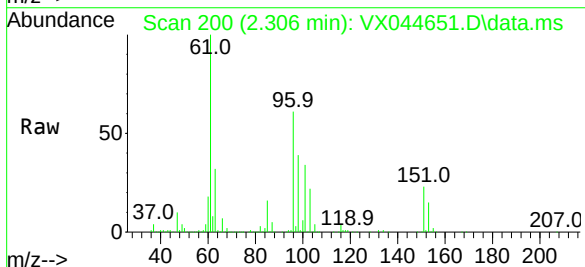
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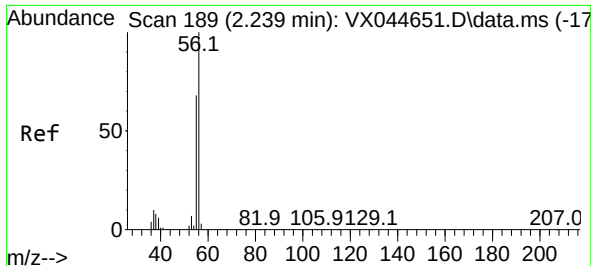
Tgt Ion: 59 Resp: 68449
Ion Ratio Lower Upper
59 100
57 10.3 3.9 5.9#



#12
1,1-Dichloroethene
Concen: 48.342 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 96 Resp: 108167
Ion Ratio Lower Upper
96 100
61 163.9 131.1 196.7
98 64.0 51.2 76.8

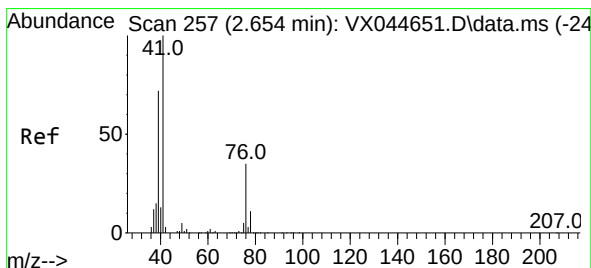
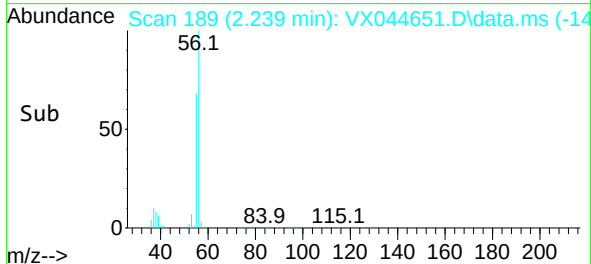
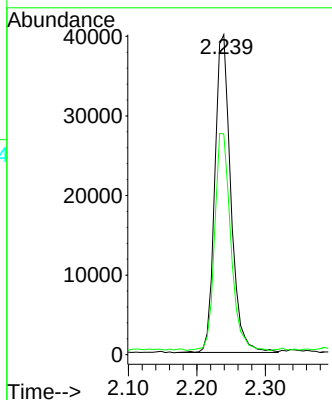
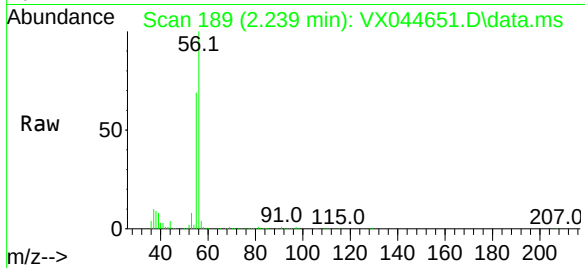




#13
Acrolein
Concen: 213.821 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

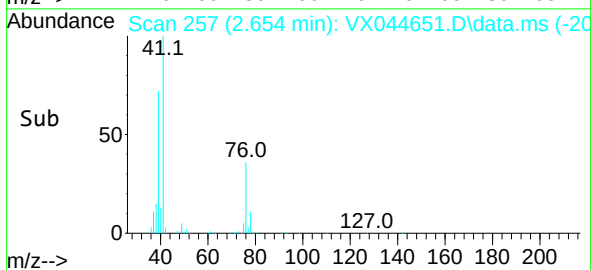
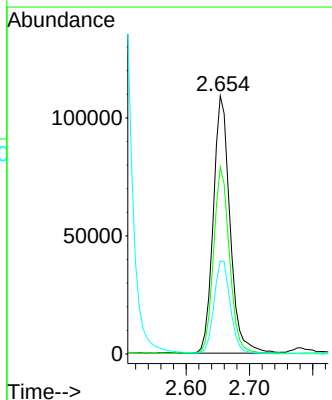
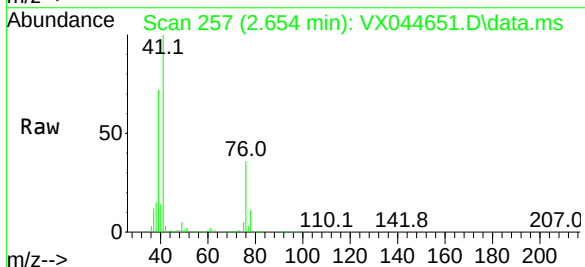
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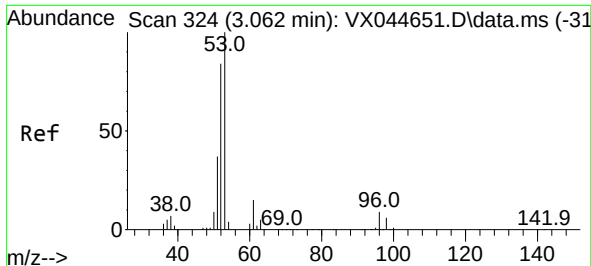
Tgt Ion: 56 Resp: 64703
Ion Ratio Lower Upper
56 100
55 68.9 55.1 82.7



#14
Allyl chloride
Concen: 46.011 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 41 Resp: 200446
Ion Ratio Lower Upper
41 100
39 68.6 54.9 82.3
76 35.5 28.4 42.6

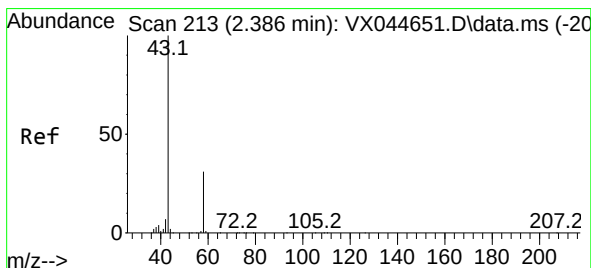
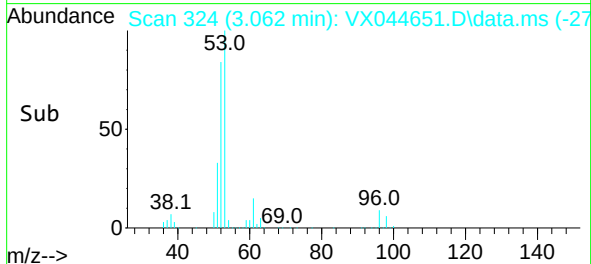
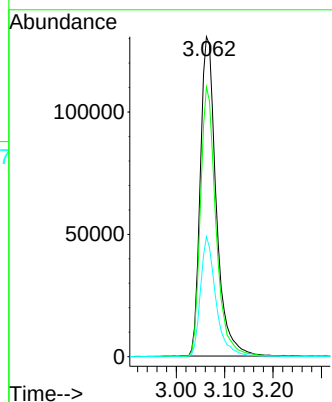
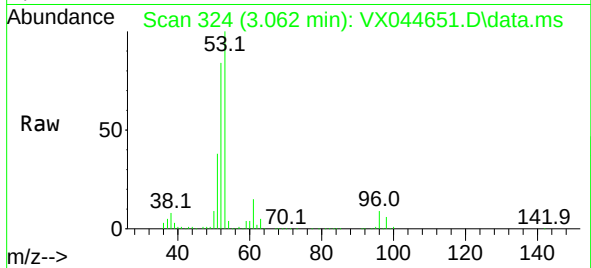




#15
Acrylonitrile
Concen: 236.777 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

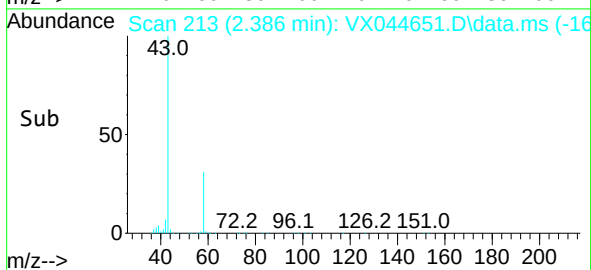
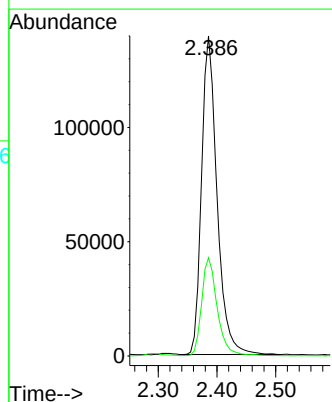
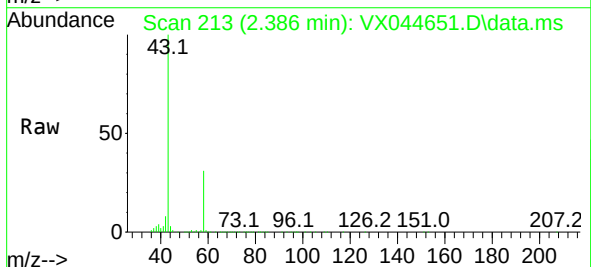
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

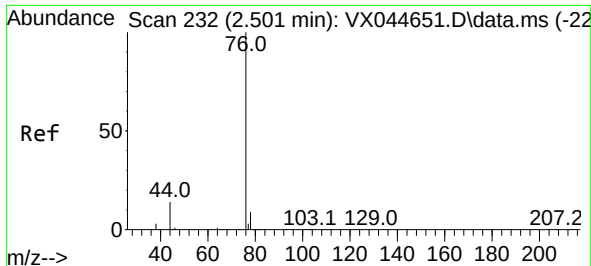
Tgt Ion: 53 Resp: 298629
Ion Ratio Lower Upper
53 100
52 82.5 66.0 99.0
51 36.1 28.9 43.3



#16
Acetone
Concen: 223.898 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 43 Resp: 255513
Ion Ratio Lower Upper
43 100
58 30.8 24.6 37.0





#17

Carbon Disulfide

Concen: 48.333 ug/l

RT: 2.501 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

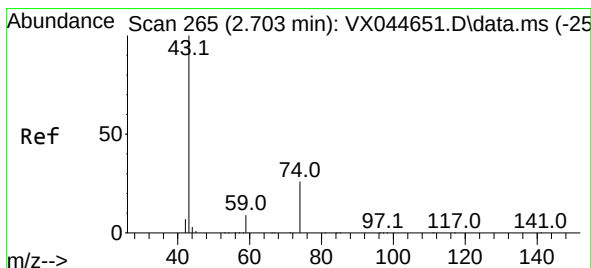
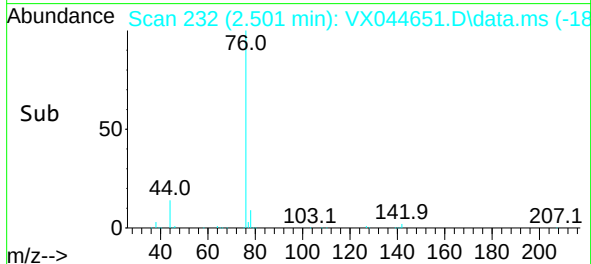
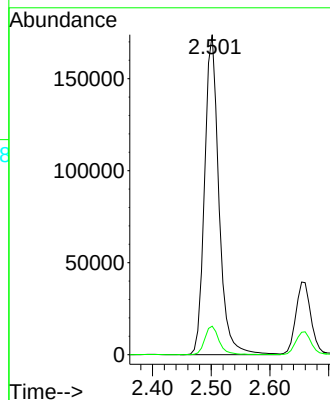
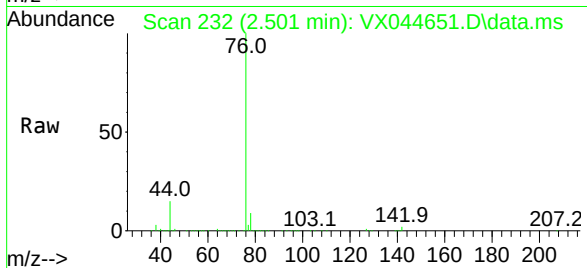
VSTDICCC050

Tgt Ion: 76 Resp: 295098

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



#18

Methyl Acetate

Concen: 47.777 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044651.D

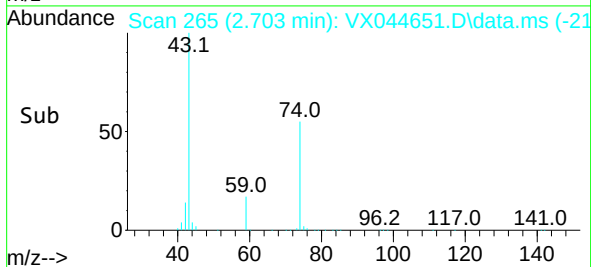
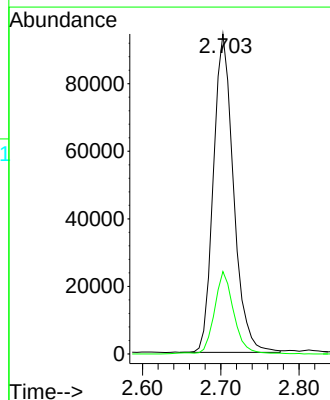
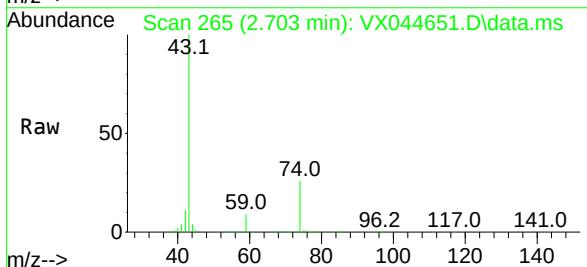
Acq: 15 Jan 2025 12:02

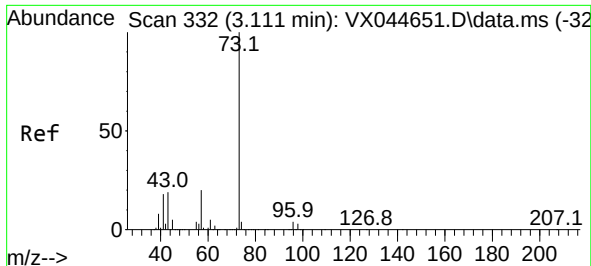
Tgt Ion: 43 Resp: 168213

Ion Ratio Lower Upper

43 100

74 24.8 19.8 29.8

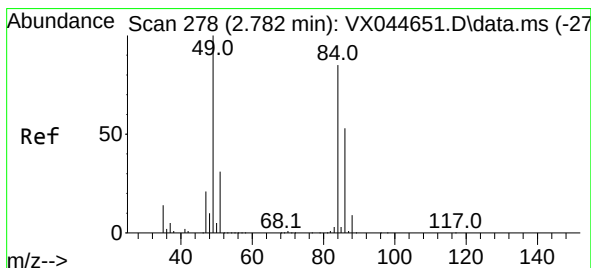
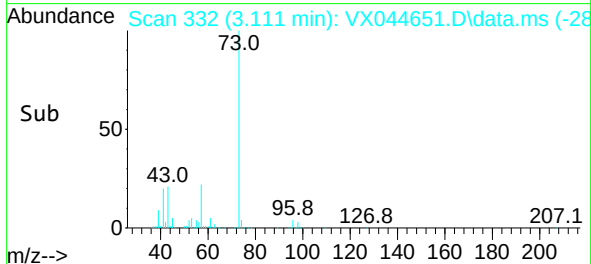
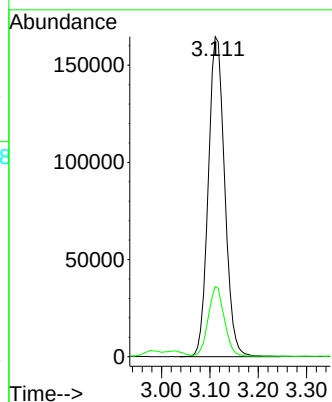
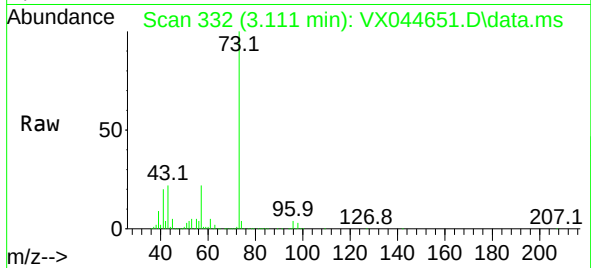




#19
Methyl tert-butyl Ether
Concen: 47.913 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

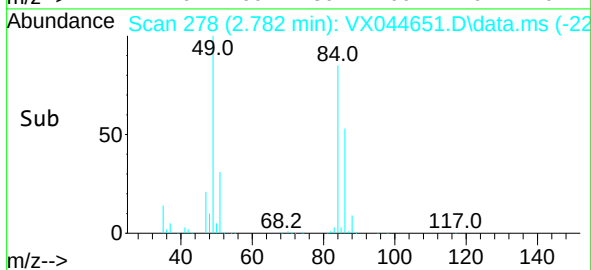
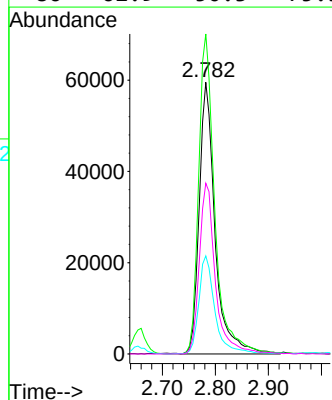
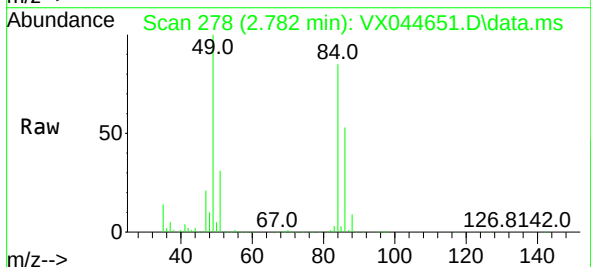
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

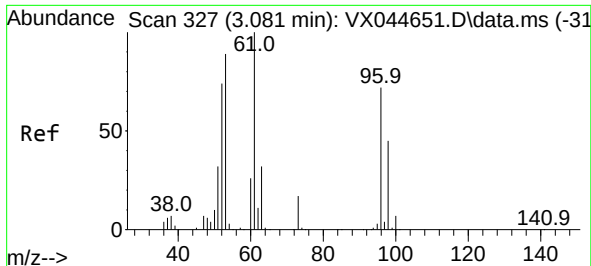
Tgt Ion: 73 Resp: 388306
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.0



#20
Methylene Chloride
Concen: 46.761 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 84 Resp: 124271
Ion Ratio Lower Upper
84 100
49 117.8 94.2 141.4
51 36.0 28.8 43.2
86 62.9 50.3 75.5

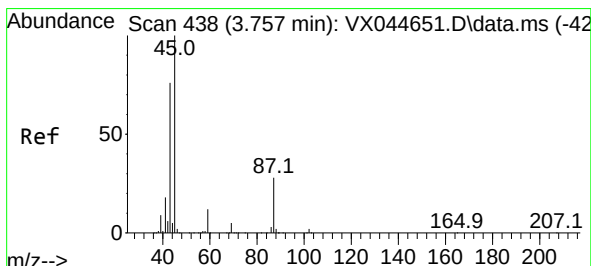
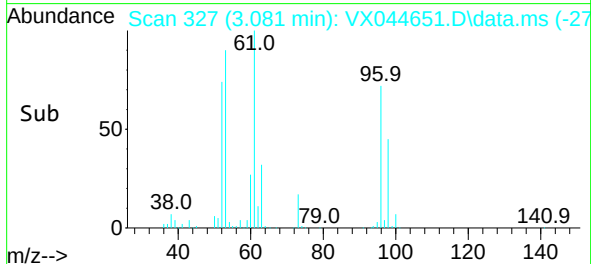
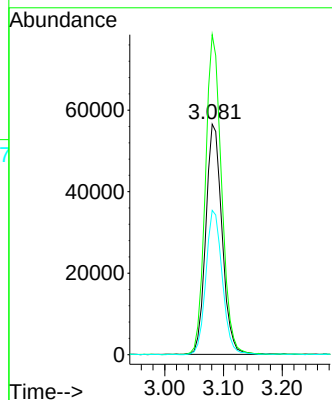
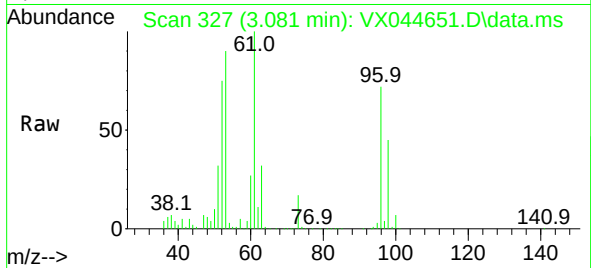




#21
trans-1,2-Dichloroethene
Concen: 46.441 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

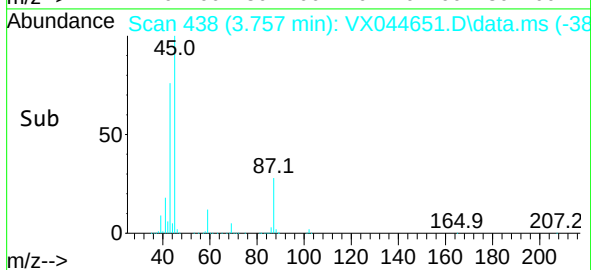
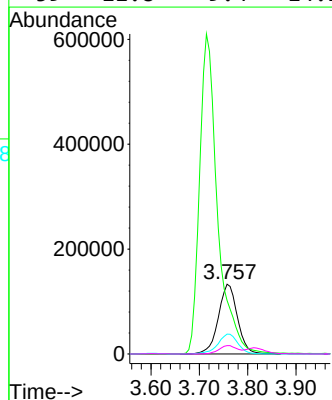
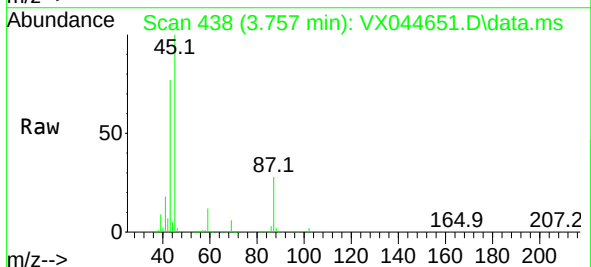
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

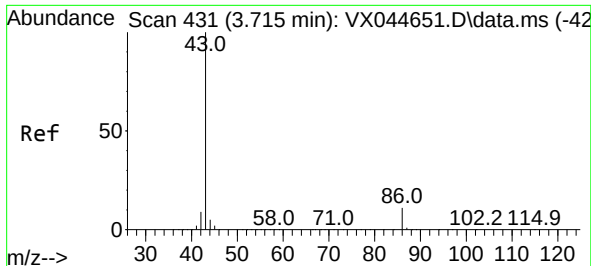
Tgt Ion: 96 Resp: 108489
Ion Ratio Lower Upper
96 100
61 138.8 111.0 166.6
98 62.7 50.2 75.2



#22
Diisopropyl ether
Concen: 47.964 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 45 Resp: 363224
Ion Ratio Lower Upper
45 100
43 76.3 61.0 91.6
87 28.4 22.7 34.1
59 11.8 9.4 14.2

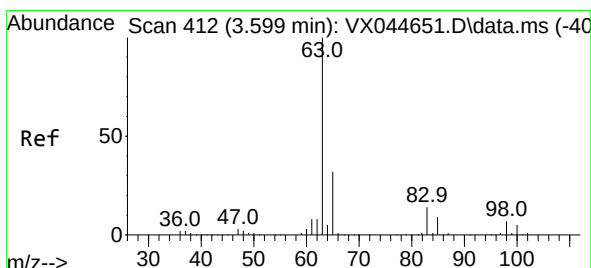
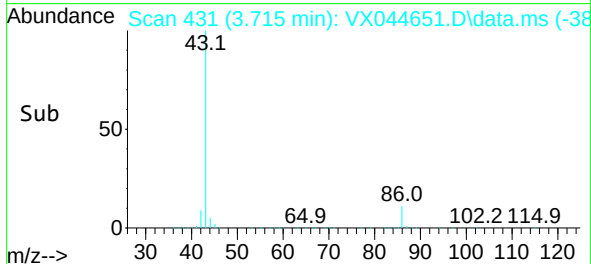
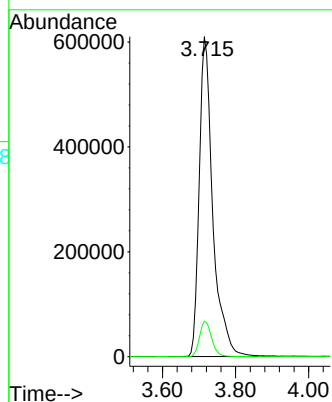
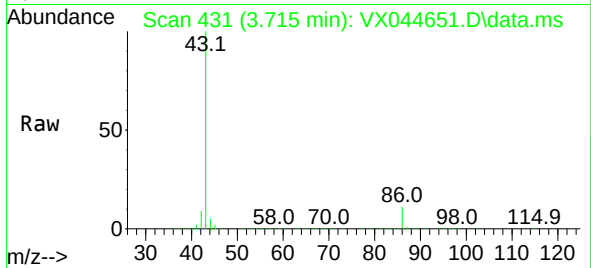




#23
 Vinyl Acetate
 Concen: 237.862 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX044651.D
 Acq: 15 Jan 2025 12:02

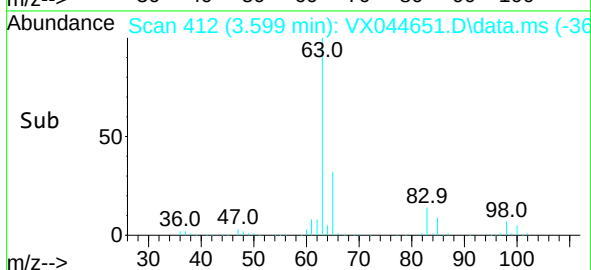
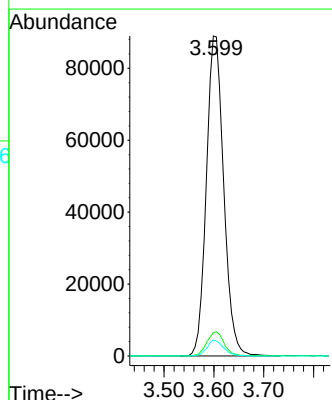
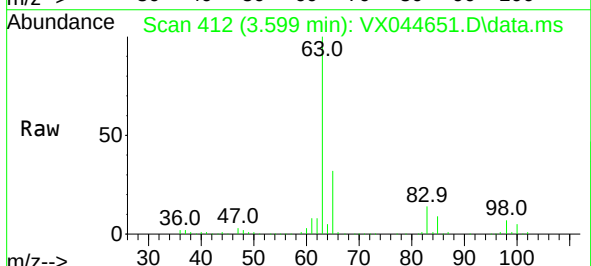
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

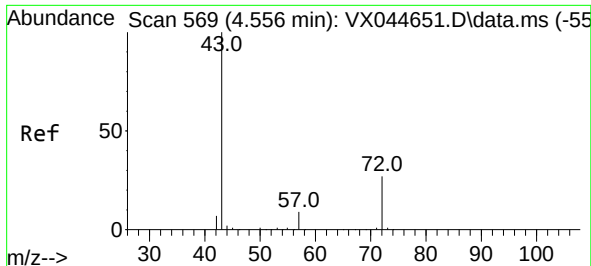
Tgt Ion: 43 Resp: 1576614
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 47.915 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. 0.000 min
 Lab File: VX044651.D
 Acq: 15 Jan 2025 12:02

Tgt Ion: 63 Resp: 215178
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.6 10.9
 100 5.0 2.5 7.5

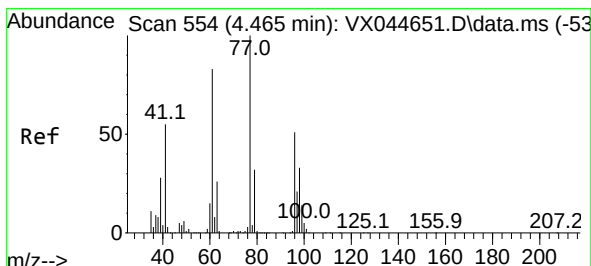
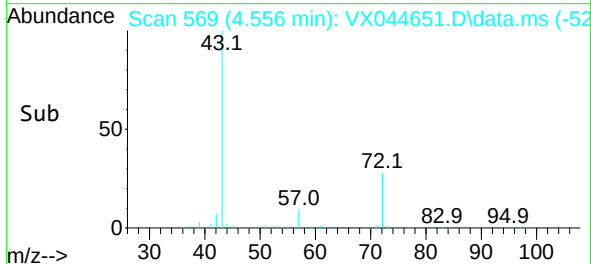
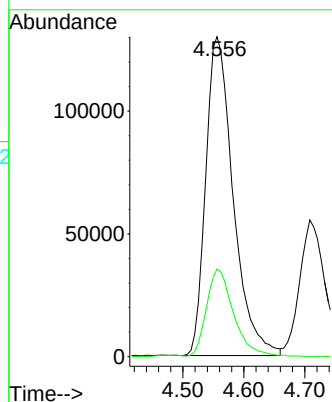
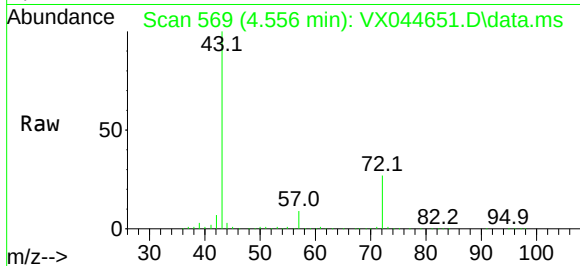




#25
2-Butanone
Concen: 239.931 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

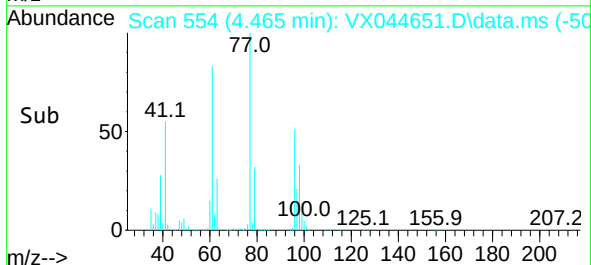
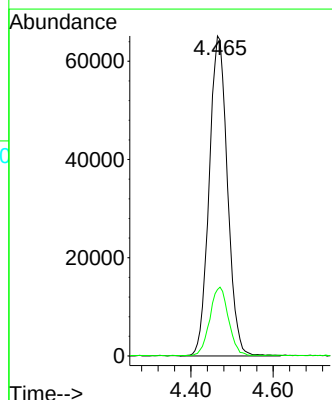
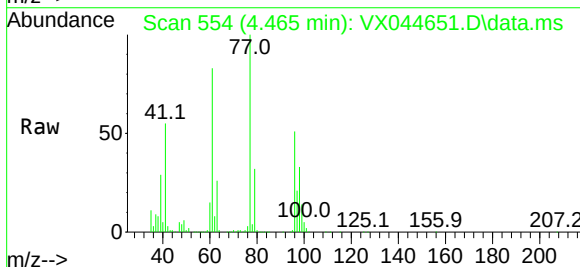
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

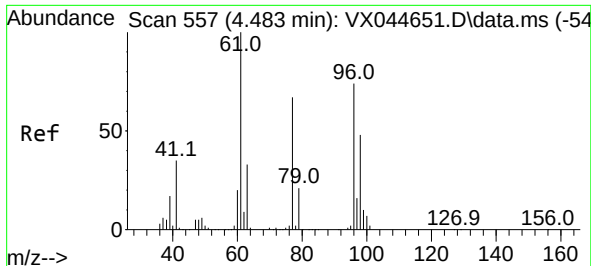
Tgt Ion: 43 Resp: 407104
Ion Ratio Lower Upper
43 100
72 27.1 21.7 32.5



#26
2,2-Dichloropropane
Concen: 46.271 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 77 Resp: 201388
Ion Ratio Lower Upper
77 100
97 21.7 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 46.654 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

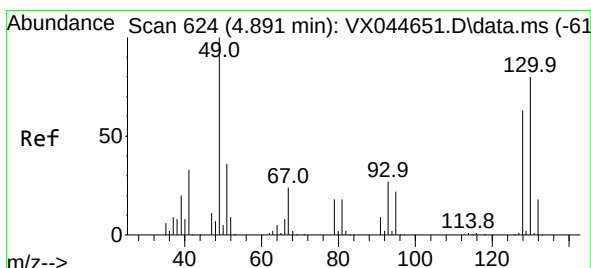
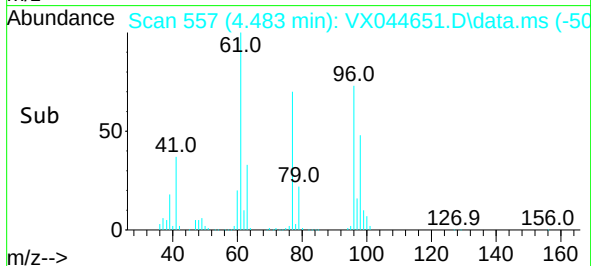
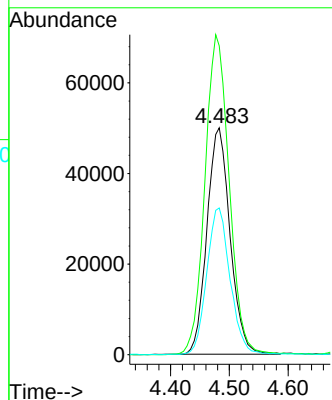
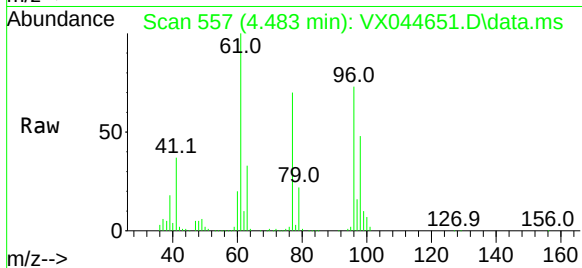
Tgt Ion: 96 Resp: 137091

Ion Ratio Lower Upper

96 100

61 148.0 0.0 296.0

98 65.0 0.0 130.0



#28

Bromochloromethane

Concen: 48.346 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

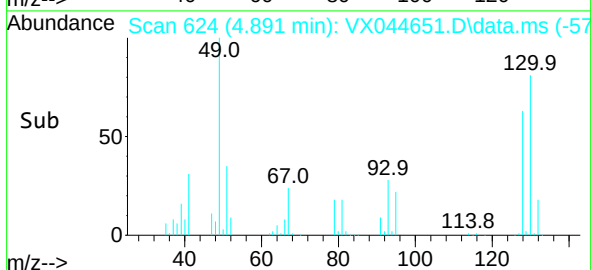
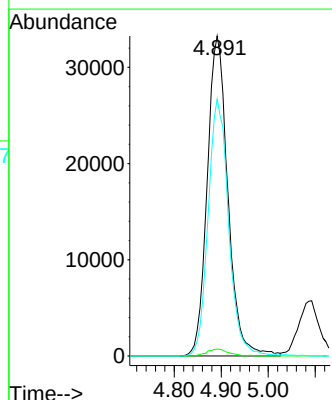
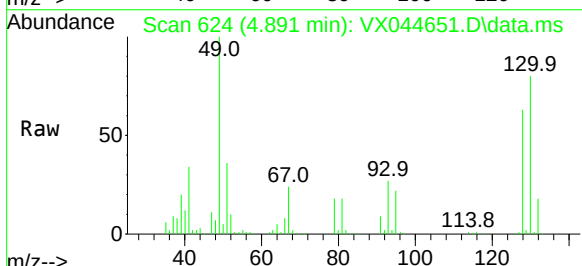
Tgt Ion: 49 Resp: 101453

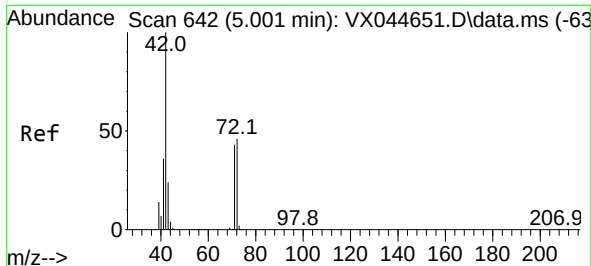
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 79.3 63.4 95.2





#29

Tetrahydrofuran

Concen: 233.952 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

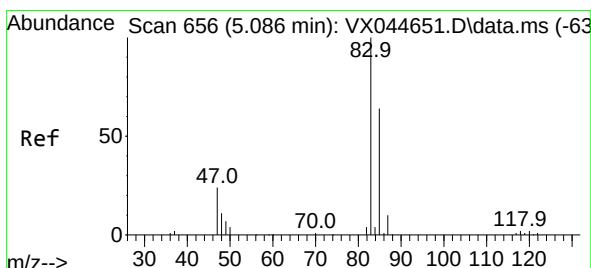
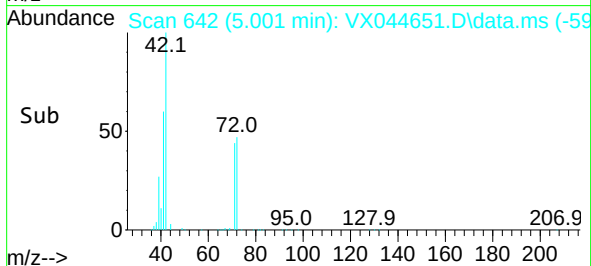
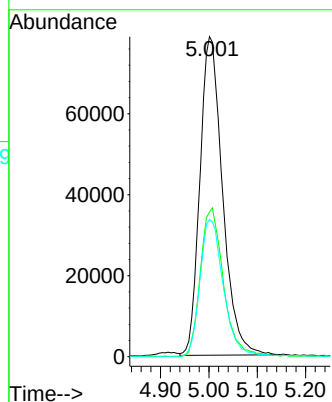
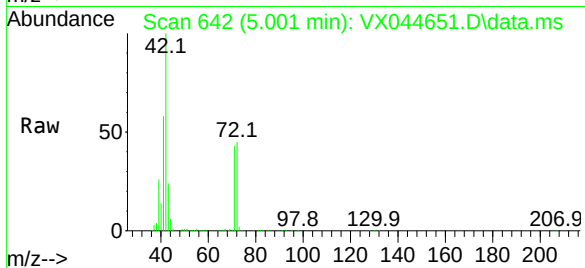
Tgt Ion: 42 Resp: 256051

Ion Ratio Lower Upper

42 100

72 47.8 38.2 57.4

71 44.1 35.3 52.9



#30

Chloroform

Concen: 48.144 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044651.D

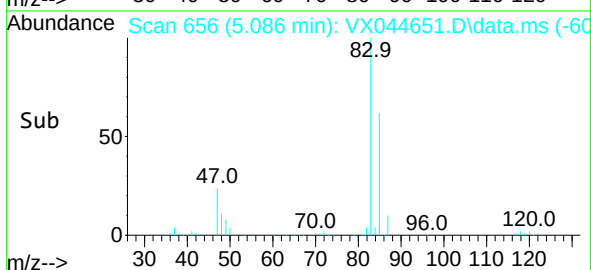
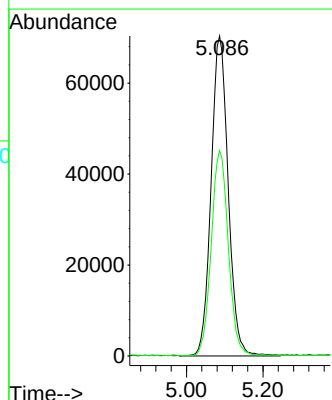
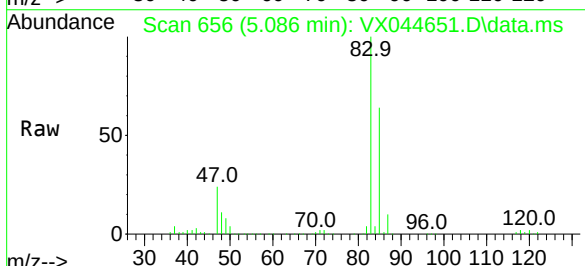
Acq: 15 Jan 2025 12:02

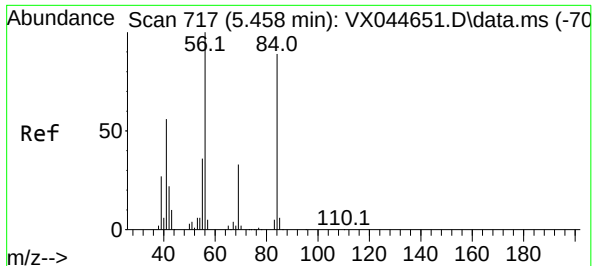
Tgt Ion: 83 Resp: 218193

Ion Ratio Lower Upper

83 100

85 64.0 51.2 76.8

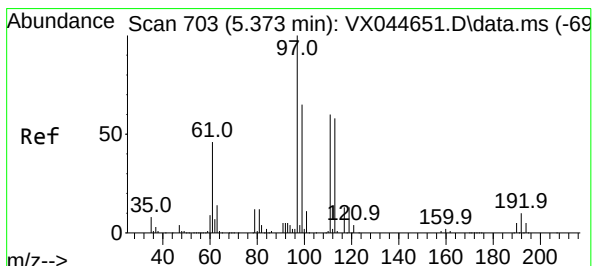
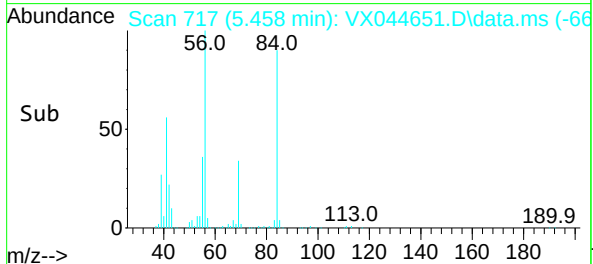
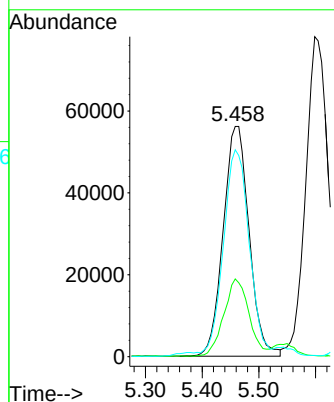
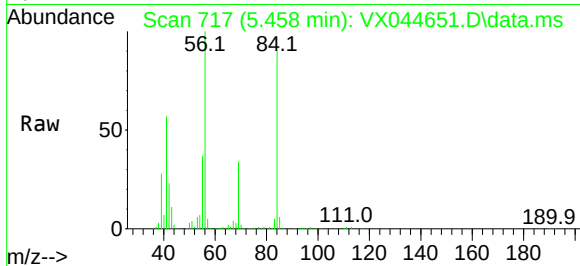




#31
Cyclohexane
Concen: 48.981 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

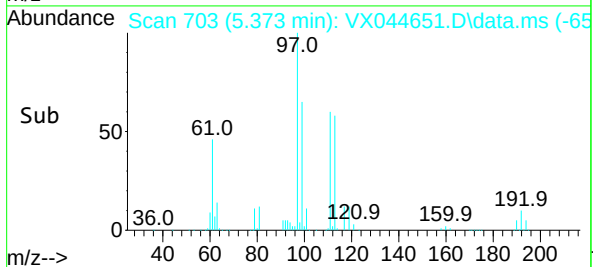
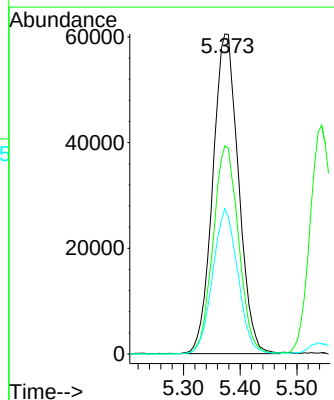
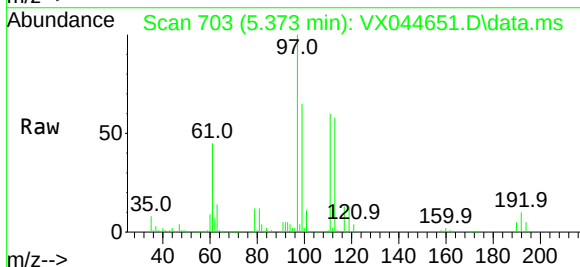
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

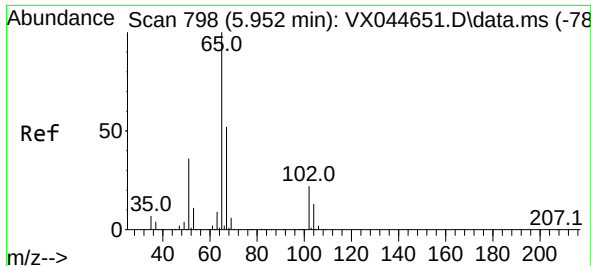
Tgt Ion: 56 Resp: 177904
Ion Ratio Lower Upper
56 100
69 33.5 26.8 40.2
84 88.7 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 45.718 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 97 Resp: 190478
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 44.5 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 49.339 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

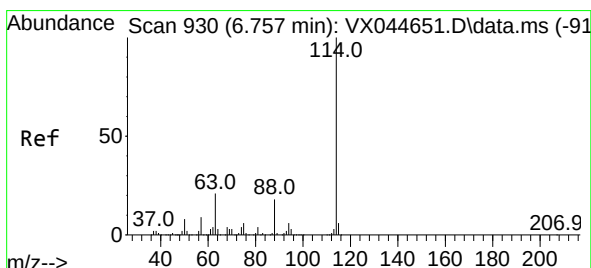
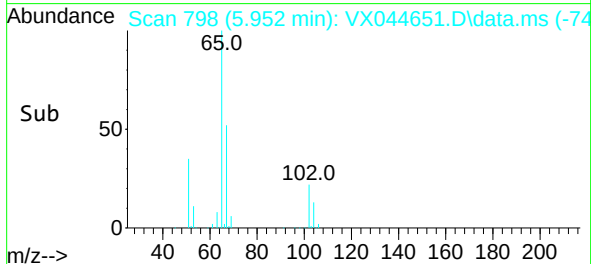
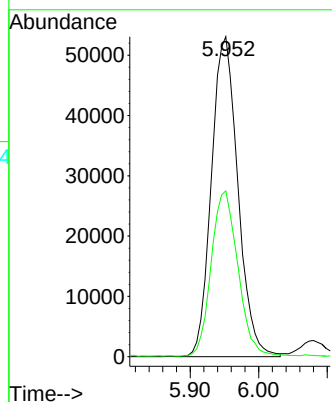
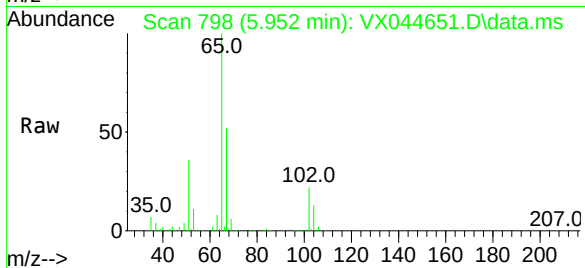
VSTDICCC050

Tgt Ion: 65 Resp: 142316

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

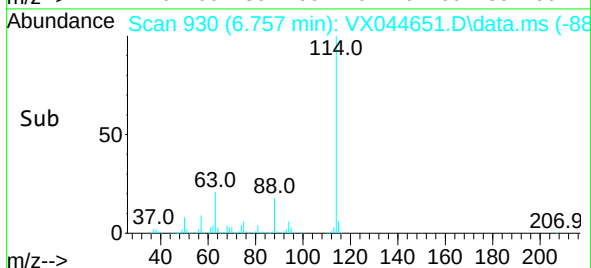
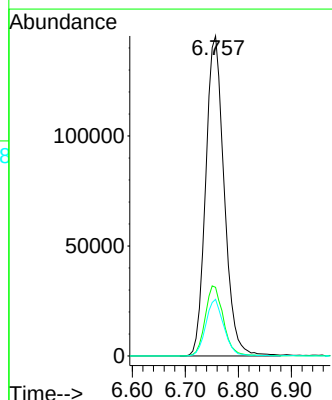
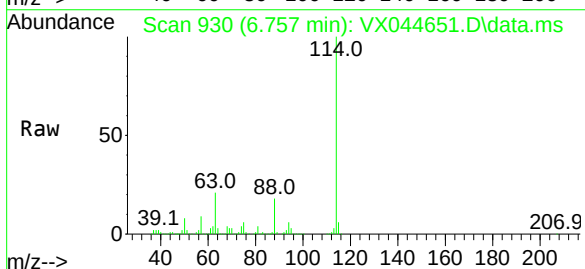
Tgt Ion: 114 Resp: 351701

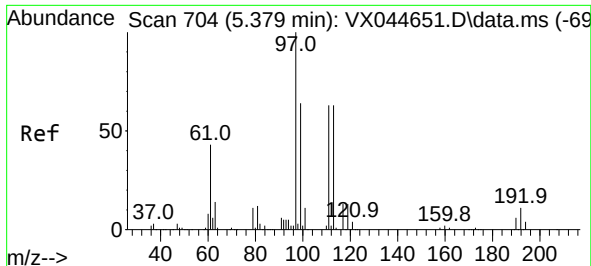
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.0

88 17.7 0.0 35.4

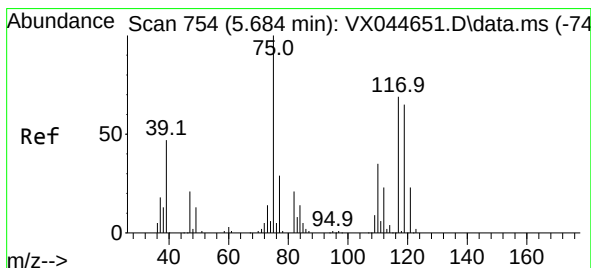
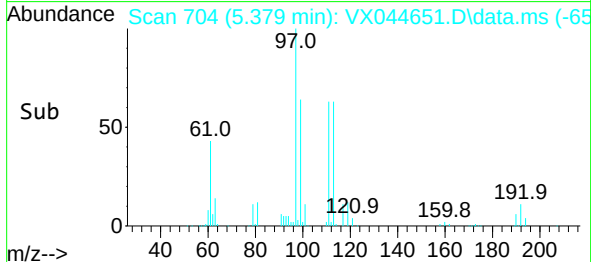
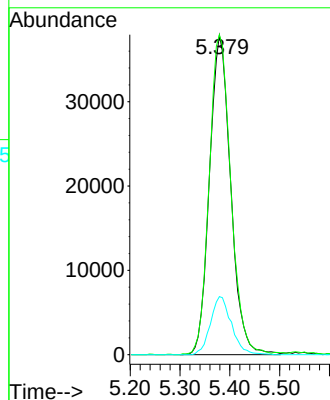
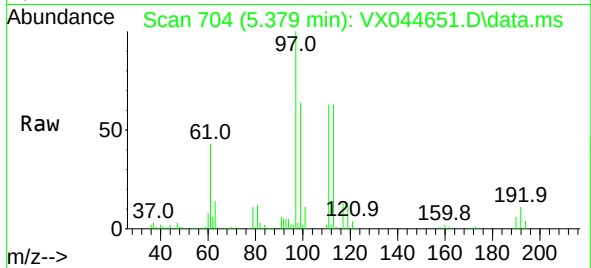




#35
Dibromofluoromethane
Concen: 50.011 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

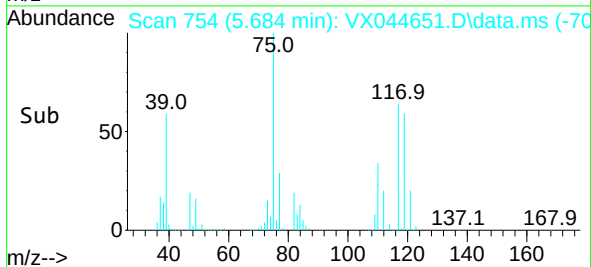
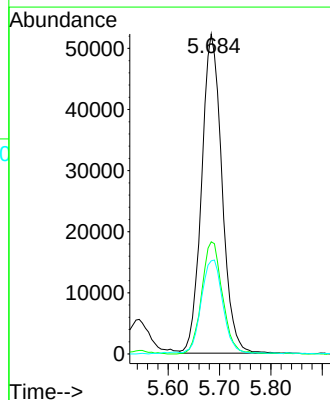
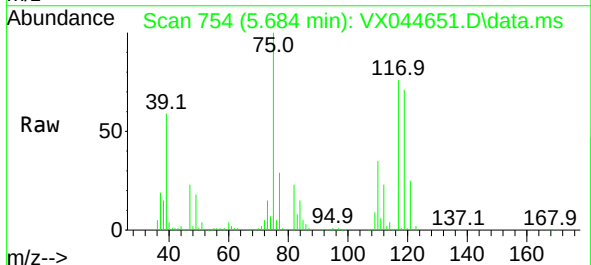
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

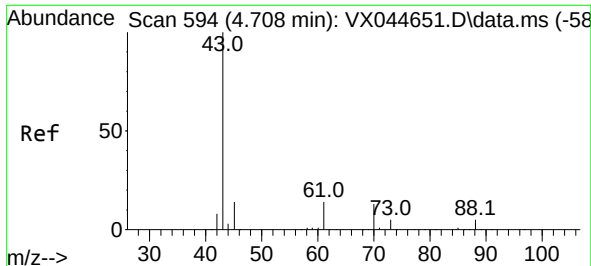
Tgt Ion:113 Resp: 111739
Ion Ratio Lower Upper
113 100
111 102.0 81.6 122.4
192 18.0 14.4 21.6



#36
1,1-Dichloropropene
Concen: 46.120 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 75 Resp: 143445
Ion Ratio Lower Upper
75 100
110 35.9 17.9 53.8
77 30.6 24.5 36.7





#37

Ethyl Acetate

Concen: 49.168 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

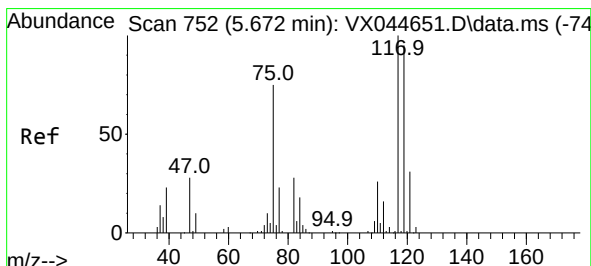
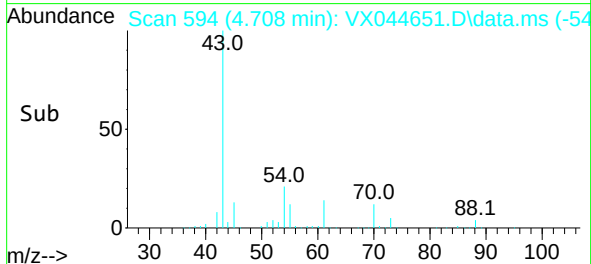
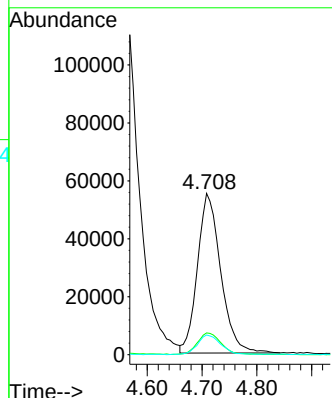
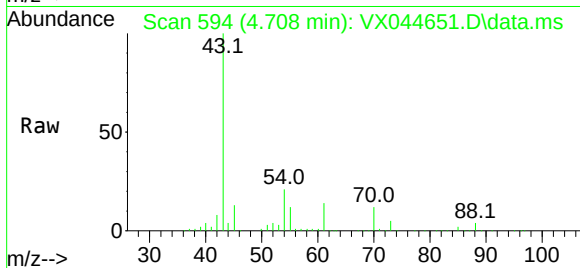
Tgt Ion: 43 Resp: 162853

Ion Ratio Lower Upper

43 100

61 13.6 10.9 16.3

70 12.6 10.1 15.1



#38

Carbon Tetrachloride

Concen: 46.273 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

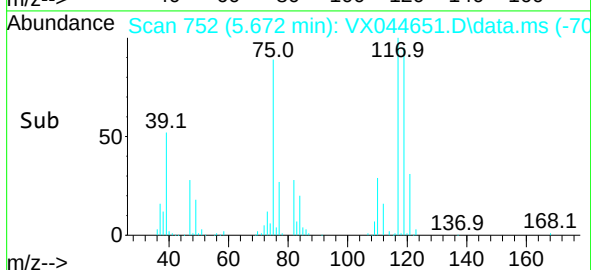
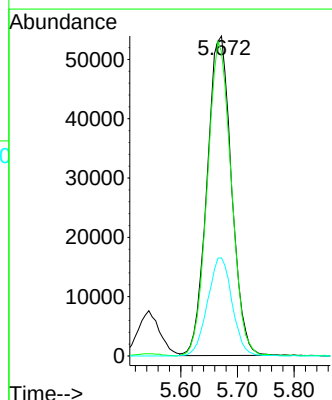
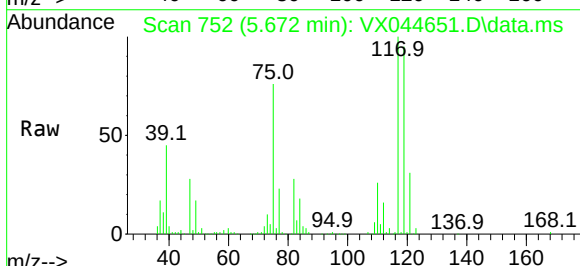
Tgt Ion: 117 Resp: 161882

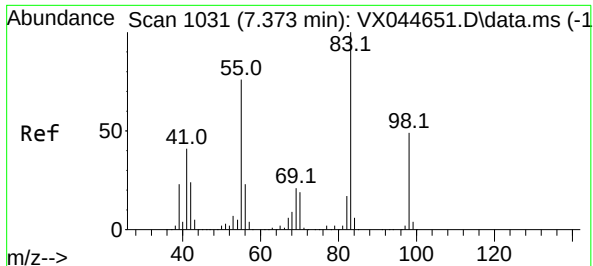
Ion Ratio Lower Upper

117 100

119 95.0 76.0 114.0

121 30.7 24.6 36.8





#39

Methylcyclohexane

Concen: 46.929 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

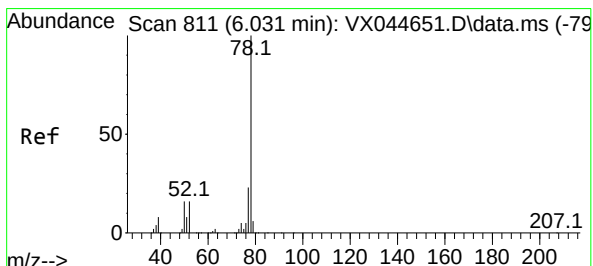
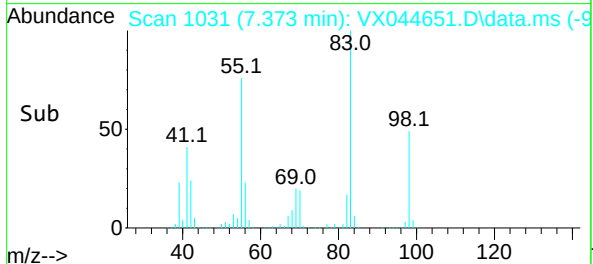
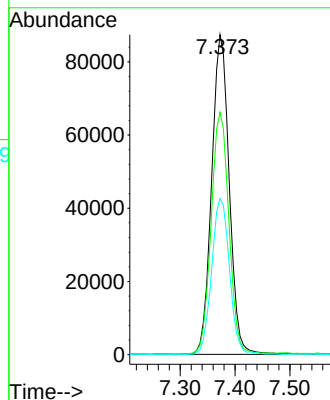
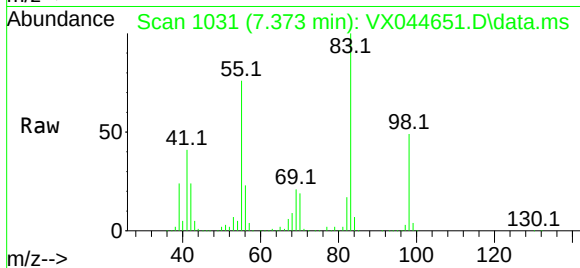
Tgt Ion: 83 Resp: 193759

Ion Ratio Lower Upper

83 100

55 75.6 60.5 90.7

98 48.7 39.0 58.4



#40

Benzene

Concen: 47.670 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044651.D

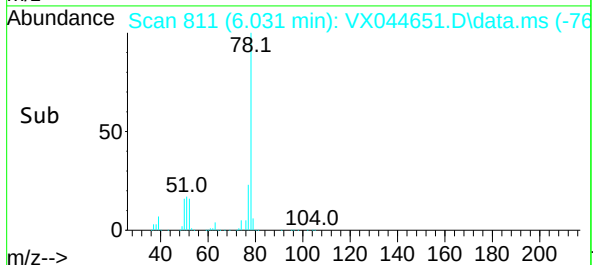
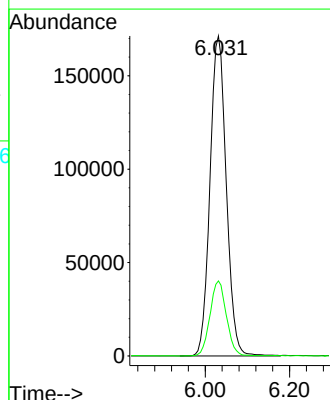
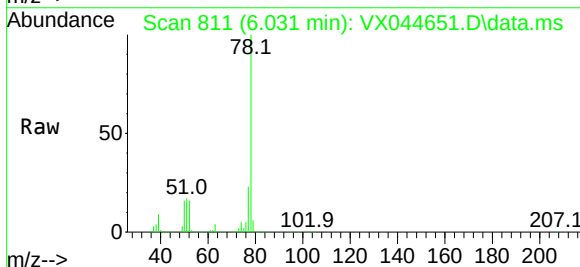
Acq: 15 Jan 2025 12:02

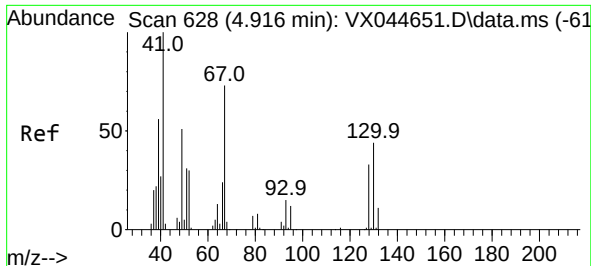
Tgt Ion: 78 Resp: 459433

Ion Ratio Lower Upper

78 100

77 23.4 18.7 28.1

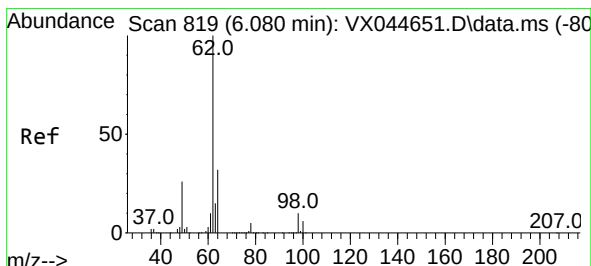
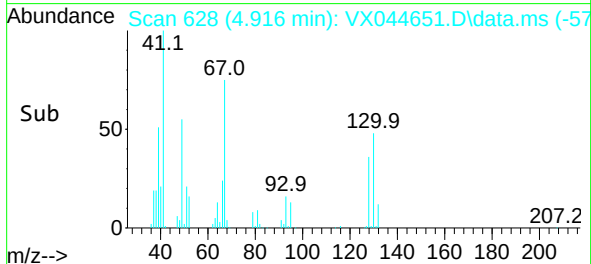
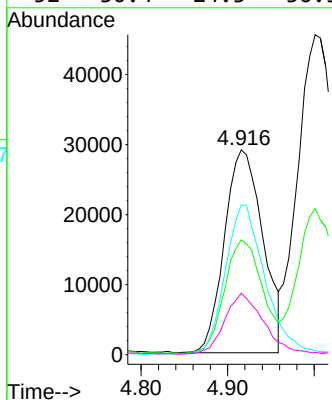
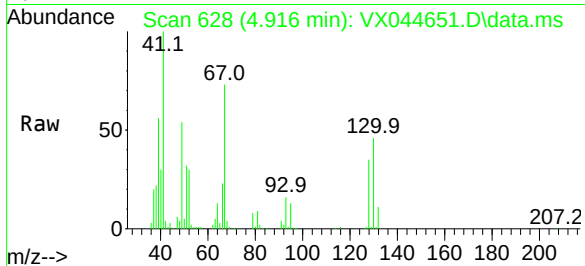




#41
Methacrylonitrile
Concen: 46.371 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

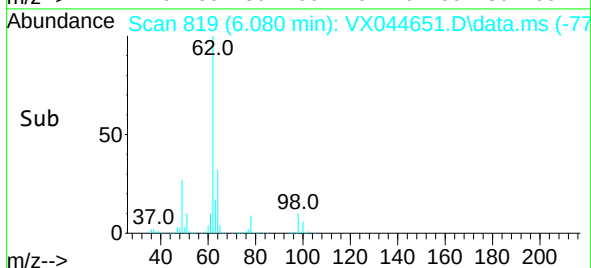
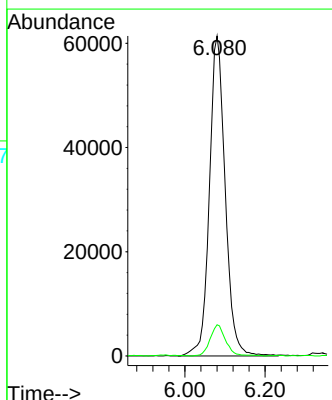
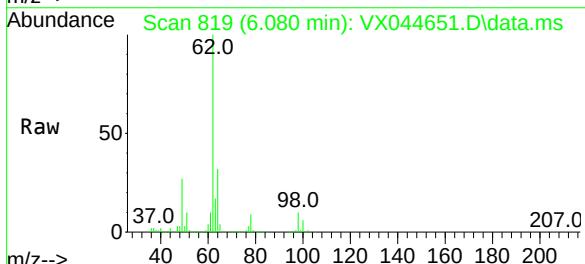
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

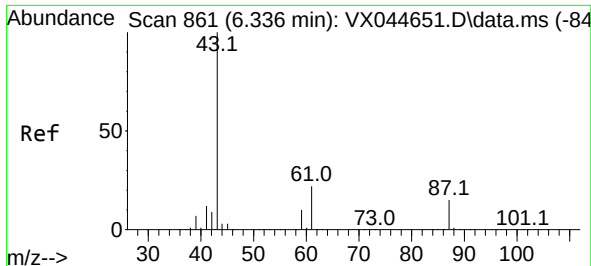
Tgt Ion:	41	Resp:	89498
Ion	Ratio	Lower	Upper
41	100		
39	55.5	44.4	66.6
67	75.7	60.6	90.8
52	30.4	24.3	36.5



#42
1,2-Dichloroethane
Concen: 47.725 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:	62	Resp:	167878
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4

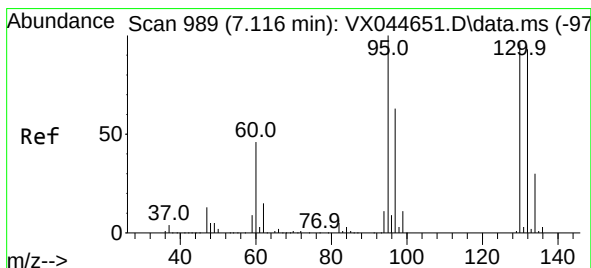
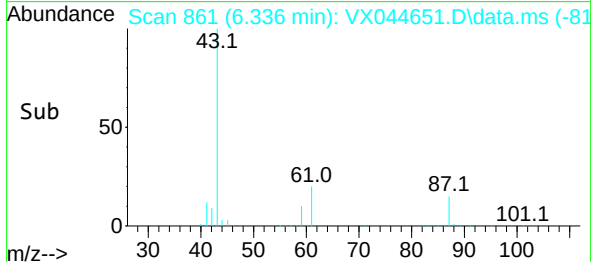
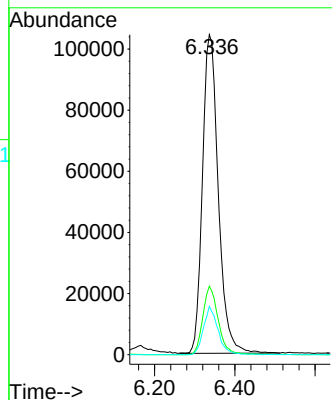
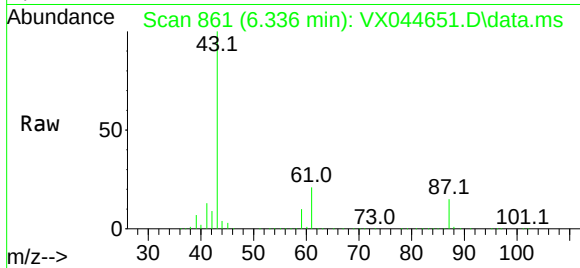




#43
Isopropyl Acetate
Concen: 47.053 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

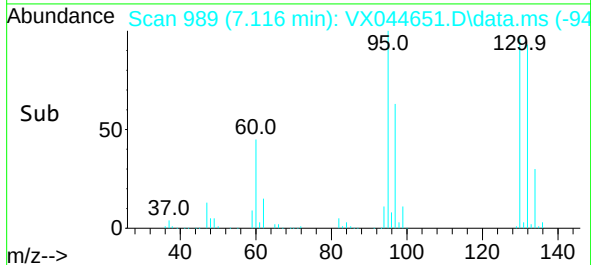
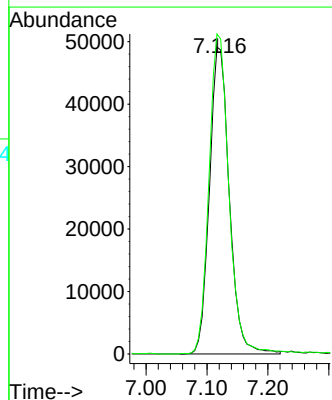
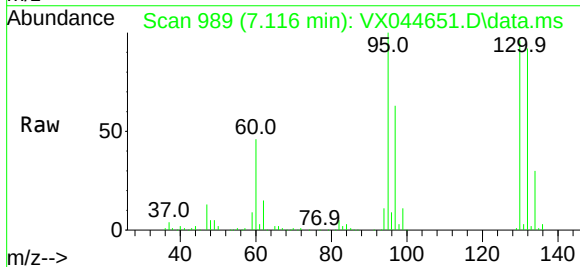
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

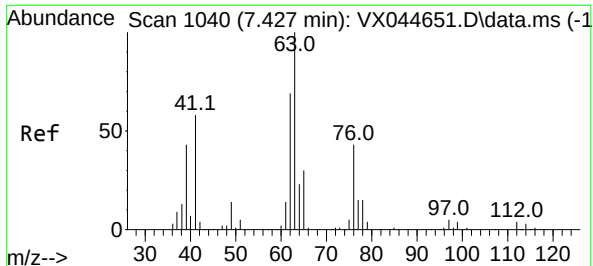
Tgt Ion: 43 Resp: 286693
Ion Ratio Lower Upper
43 100
61 20.7 16.6 24.8
87 13.8 11.0 16.6



#44
Trichloroethene
Concen: 47.956 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:130 Resp: 111112
Ion Ratio Lower Upper
130 100
95 104.1 0.0 208.2





#45

1,2-Dichloropropane

Concen: 47.660 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

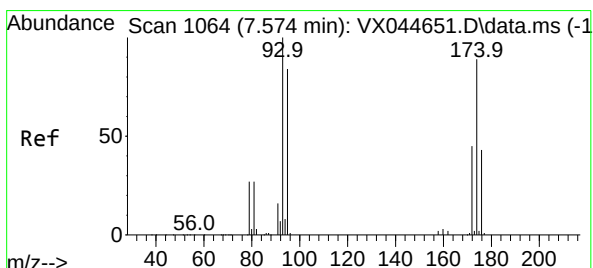
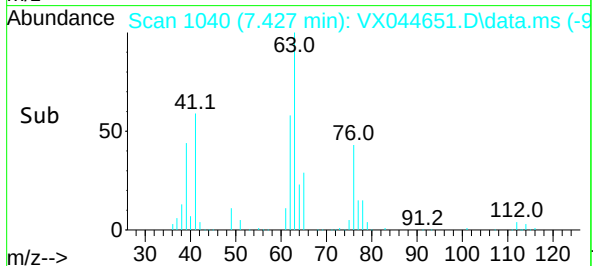
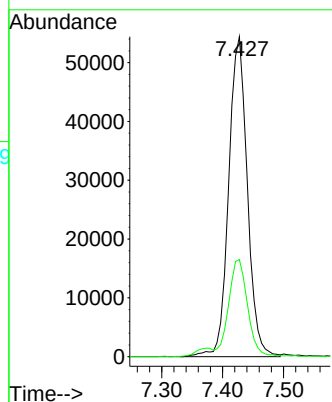
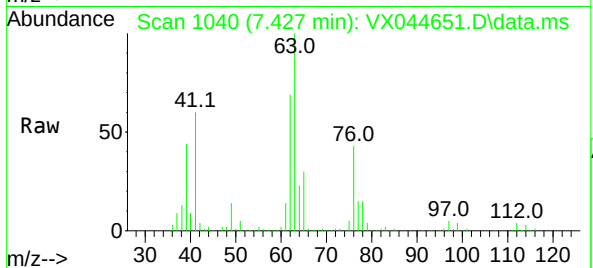
VSTDICCC050

Tgt Ion: 63 Resp: 115621

Ion Ratio Lower Upper

63 100

65 30.2 24.2 36.2



#46

Dibromomethane

Concen: 46.813 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

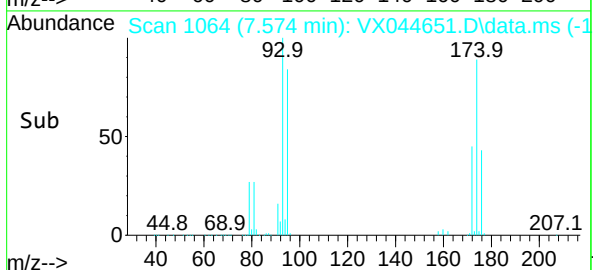
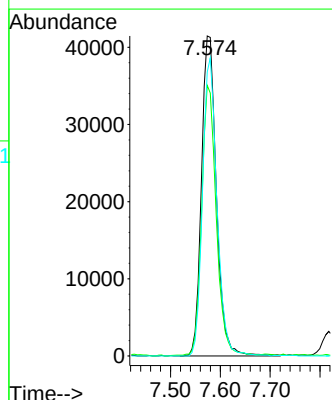
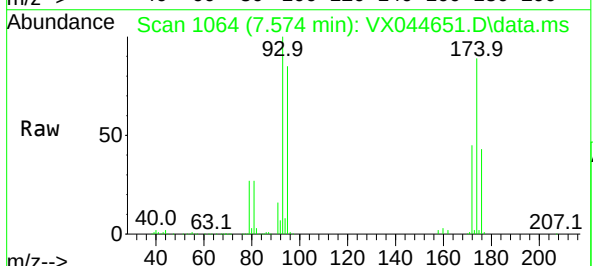
Tgt Ion: 93 Resp: 86455

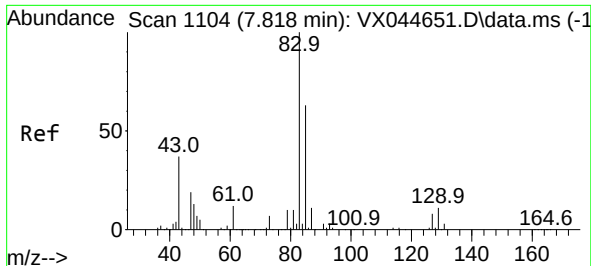
Ion Ratio Lower Upper

93 100

95 83.0 66.4 99.6

174 90.0 72.0 108.0

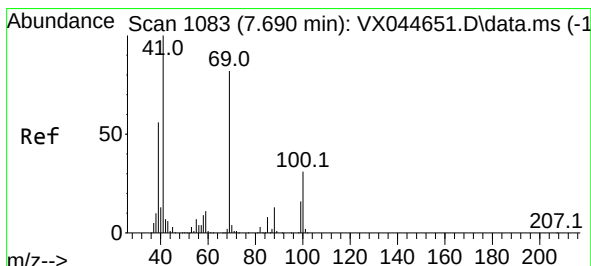
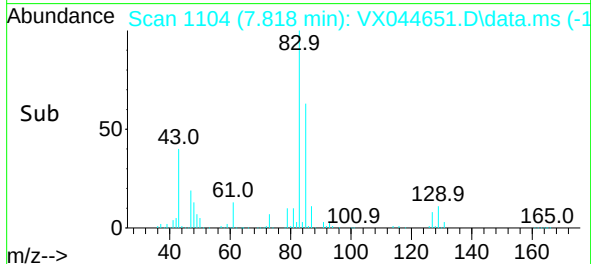
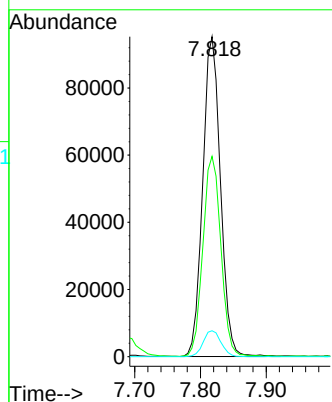
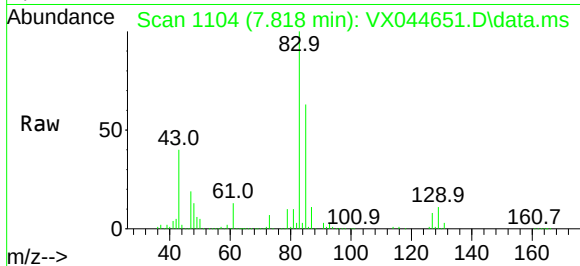




#47
 Bromodichloromethane
 Concen: 47.138 ug/l
 RT: 7.818 min Scan# 1104
 Delta R.T. 0.000 min
 Lab File: VX044651.D
 Acq: 15 Jan 2025 12:02

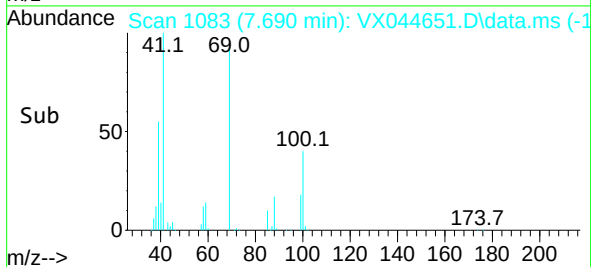
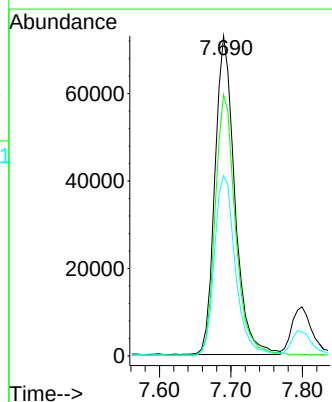
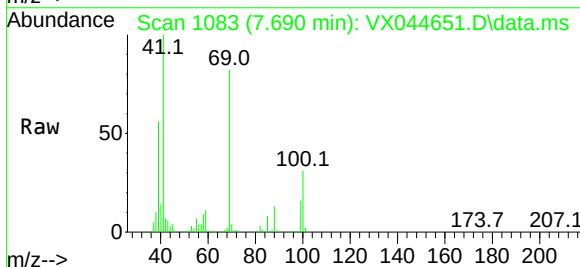
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

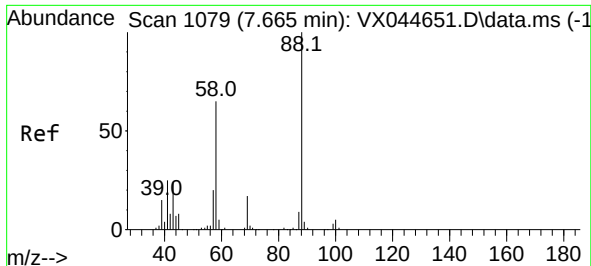
Tgt Ion: 83 Resp: 178531
 Ion Ratio Lower Upper
 83 100
 85 62.6 50.1 75.1
 127 8.1 6.5 9.7



#48
 Methyl methacrylate
 Concen: 49.659 ug/l
 RT: 7.690 min Scan# 1083
 Delta R.T. 0.000 min
 Lab File: VX044651.D
 Acq: 15 Jan 2025 12:02

Tgt Ion: 41 Resp: 140450
 Ion Ratio Lower Upper
 41 100
 69 83.5 66.8 100.2
 39 59.2 47.4 71.0





#49

1,4-Dioxane

Concen: 943.583 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

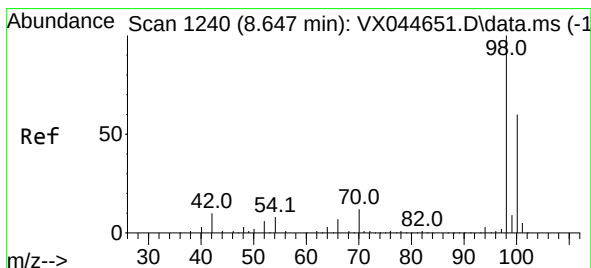
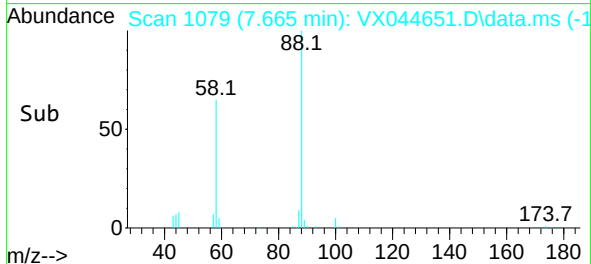
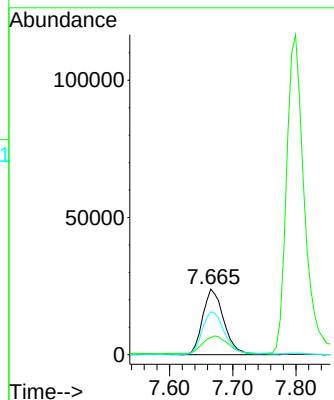
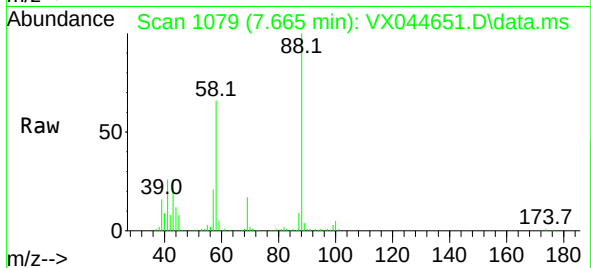
Tgt Ion: 88 Resp: 55679

Ion Ratio Lower Upper

88 100

43 33.7 27.0 40.4

58 69.8 55.8 83.8



#50

Toluene-d8

Concen: 50.145 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044651.D

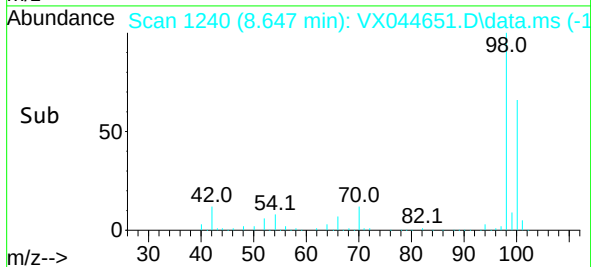
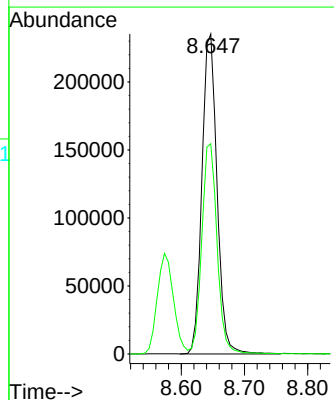
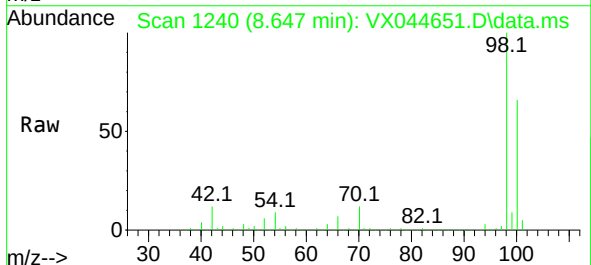
Acq: 15 Jan 2025 12:02

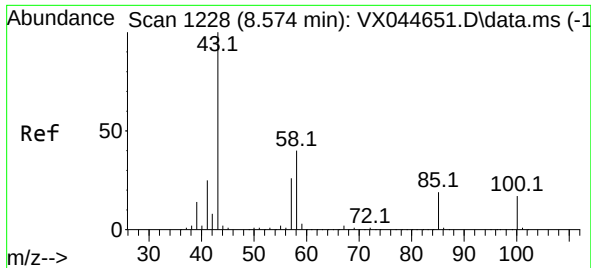
Tgt Ion: 98 Resp: 390660

Ion Ratio Lower Upper

98 100

100 66.5 53.2 79.8

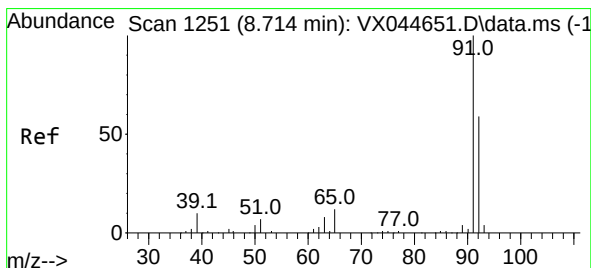
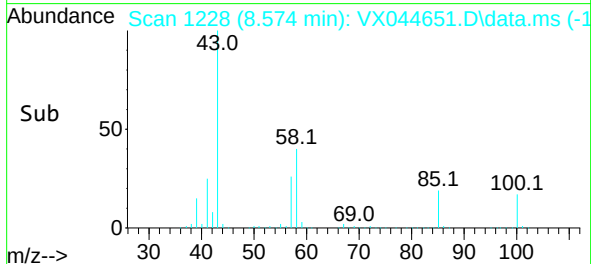
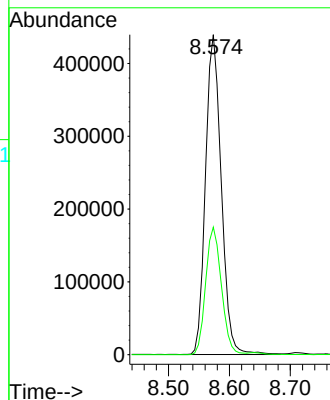
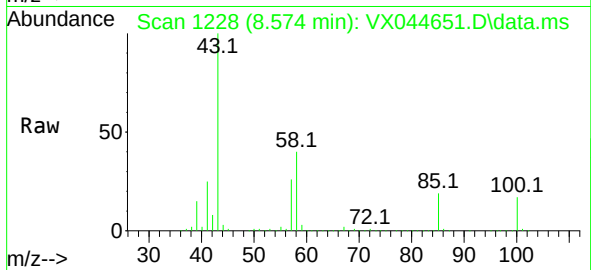




#51
4-Methyl-2-Pentanone
Concen: 234.662 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

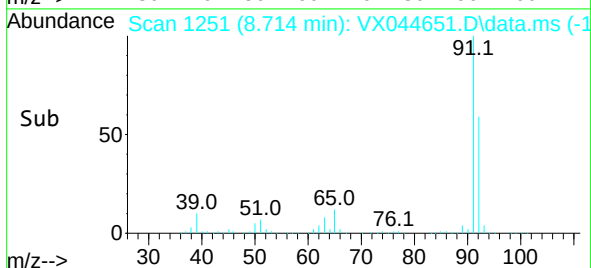
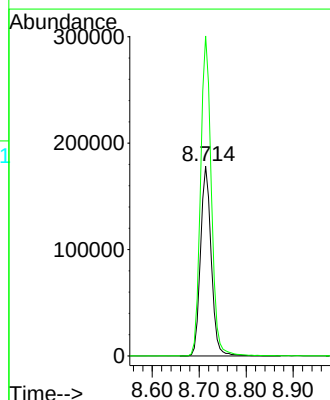
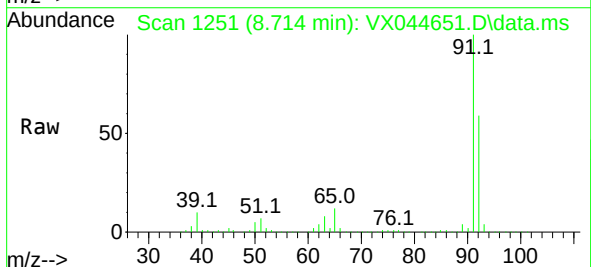
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

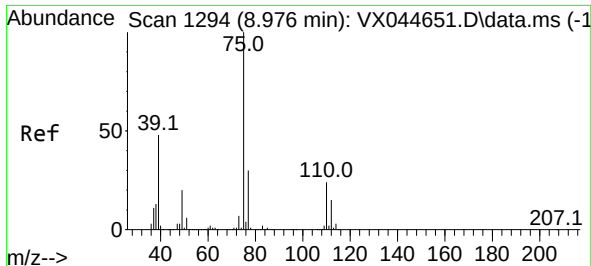
Tgt Ion: 43 Resp: 790152
Ion Ratio Lower Upper
43 100
58 39.9 31.9 47.9



#52
Toluene
Concen: 48.001 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 92 Resp: 283156
Ion Ratio Lower Upper
92 100
91 169.6 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 49.036 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

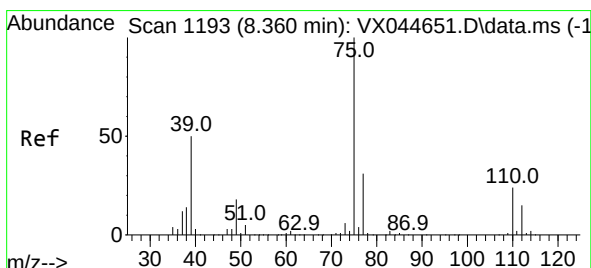
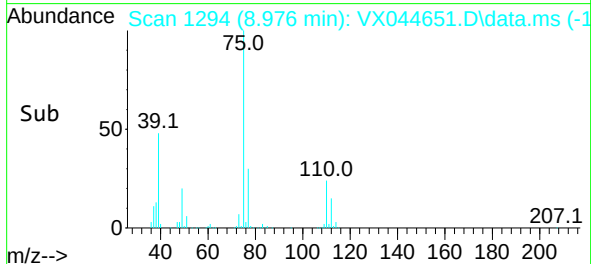
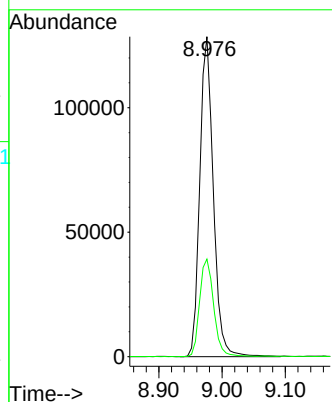
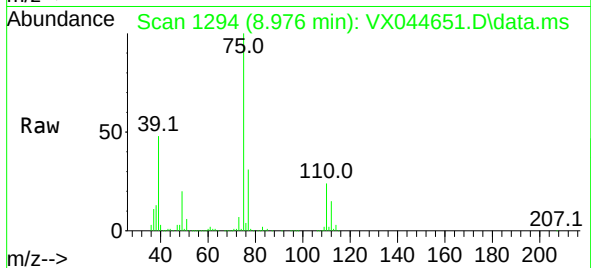
VSTDICCC050

Tgt Ion: 75 Resp: 191876

Ion Ratio Lower Upper

75 100

77 30.5 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 47.563 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

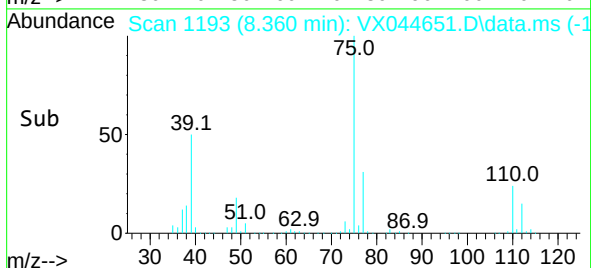
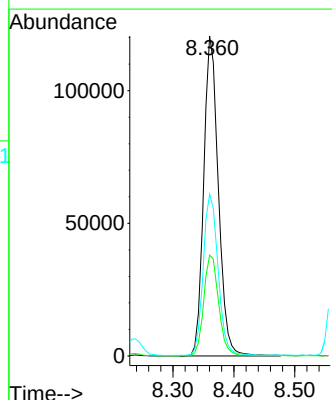
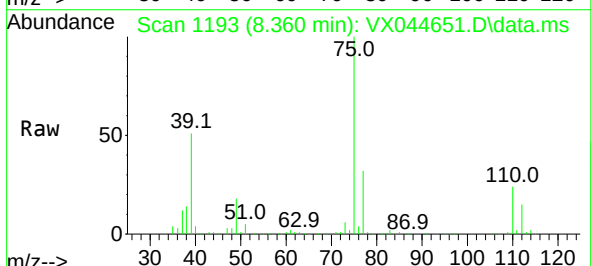
Tgt Ion: 75 Resp: 201804

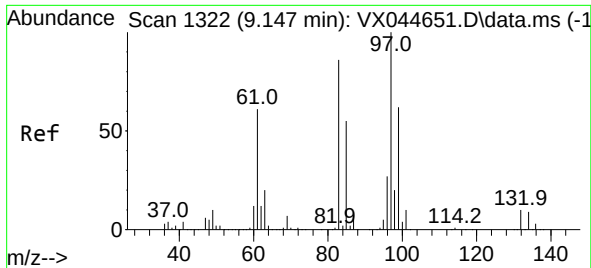
Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 50.4 40.3 60.5



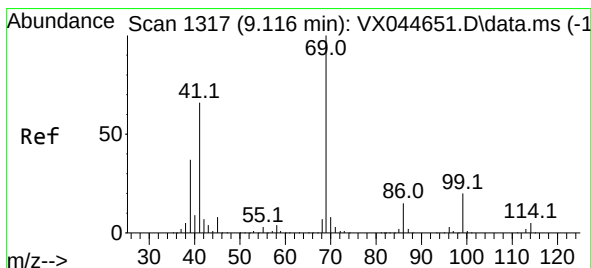
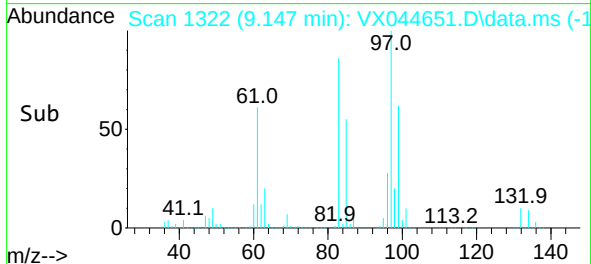
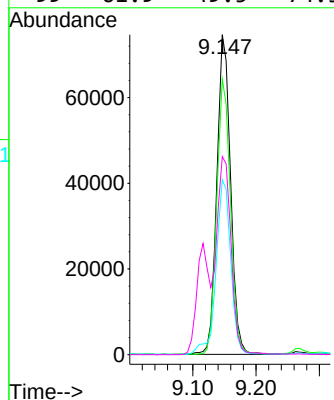
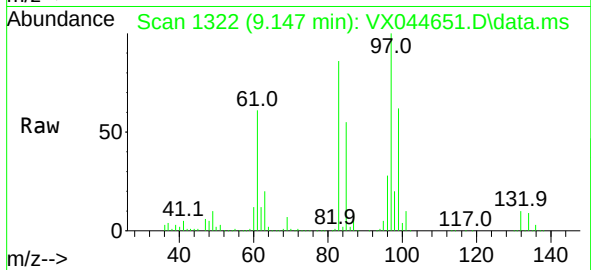


#55
1,1,2-Trichloroethane
Concen: 47.043 ug/l
RT: 9.147 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 112274

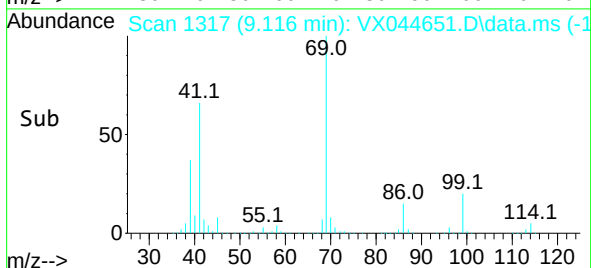
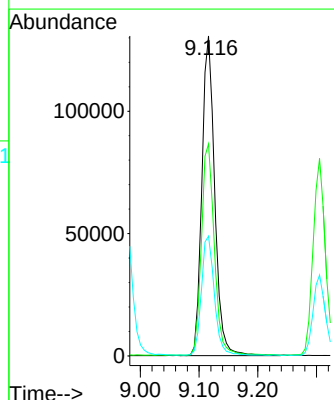
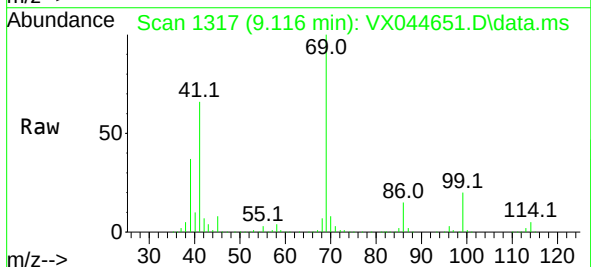
Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.8	103.2
85	54.6	43.7	65.5
99	61.9	49.5	74.3

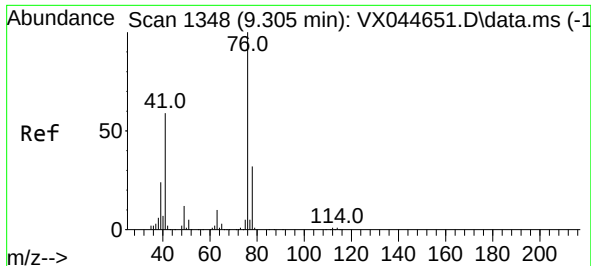


#56
Ethyl methacrylate
Concen: 48.353 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 69 Resp: 198422

Ion	Ratio	Lower	Upper
69	100		
41	66.5	53.2	79.8
39	37.7	30.2	45.2





#57

1,3-Dichloropropane

Concen: 48.025 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

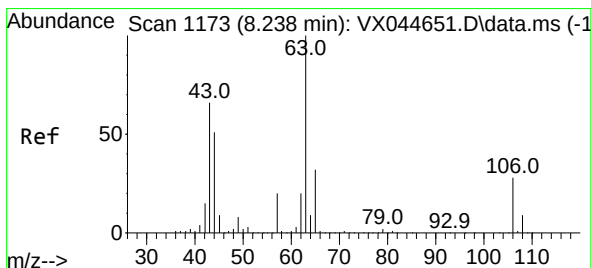
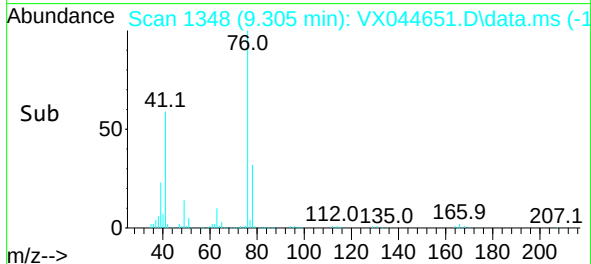
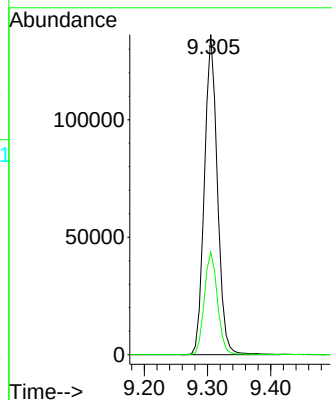
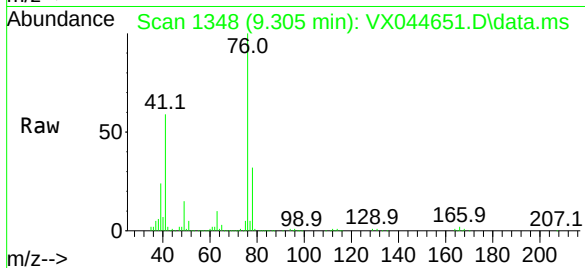
VSTDICCC050

Tgt Ion: 76 Resp: 195182

Ion Ratio Lower Upper

76 100

78 32.5 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 238.018 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044651.D

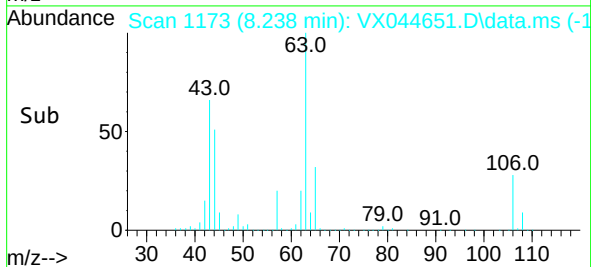
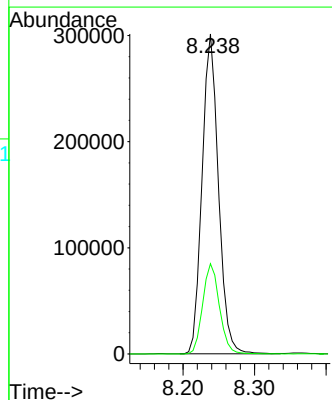
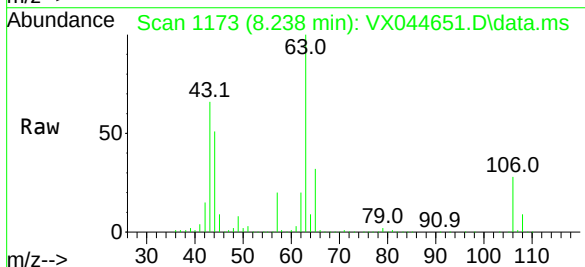
Acq: 15 Jan 2025 12:02

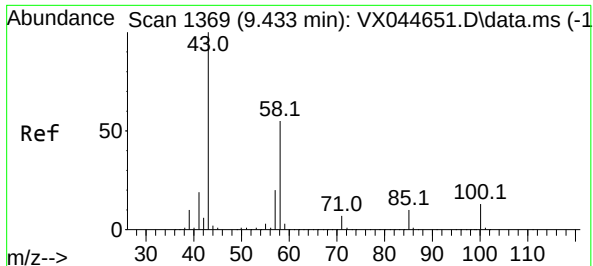
Tgt Ion: 63 Resp: 479521

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6

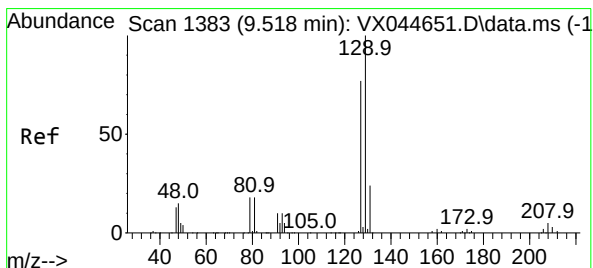
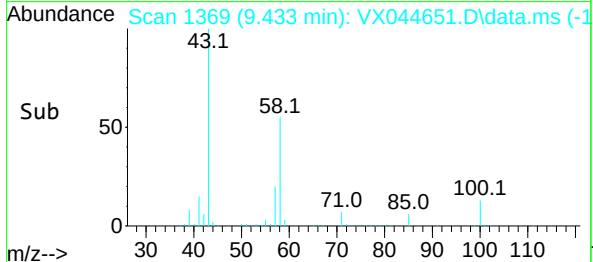
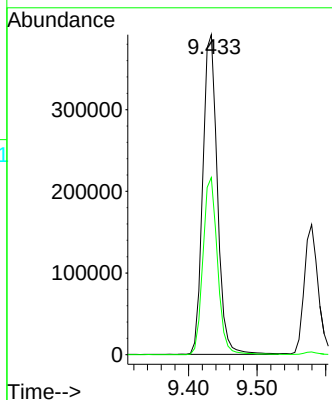
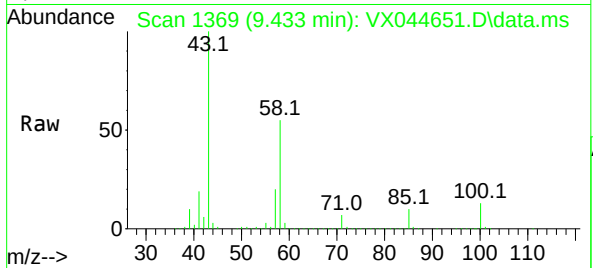




#59
2-Hexanone
Concen: 234.142 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

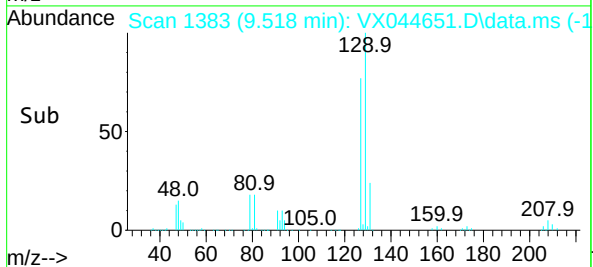
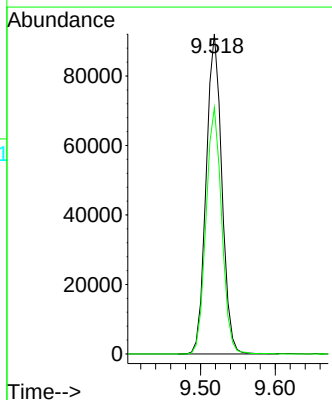
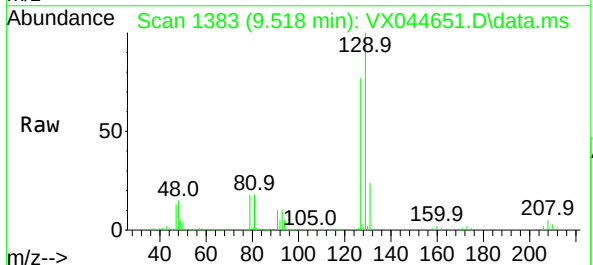
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

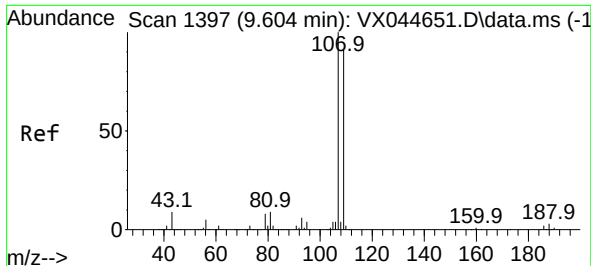
Tgt Ion: 43 Resp: 580029
Ion Ratio Lower Upper
43 100
58 55.5 27.8 83.3



#60
Dibromochloromethane
Concen: 47.816 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 129 Resp: 133941
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5

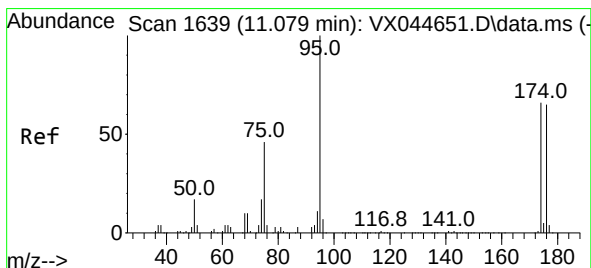
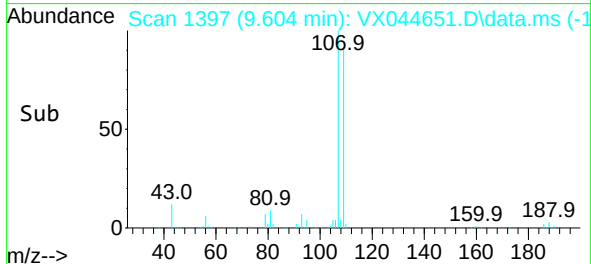
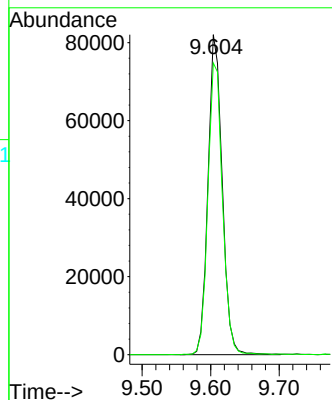
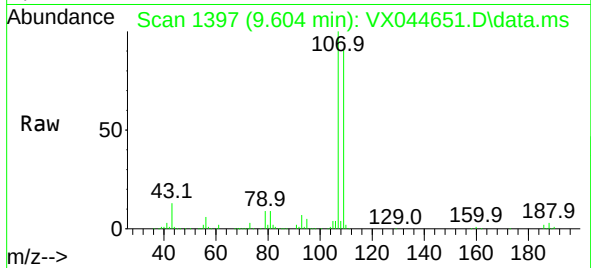




#61
1,2-Dibromoethane
Concen: 47.331 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

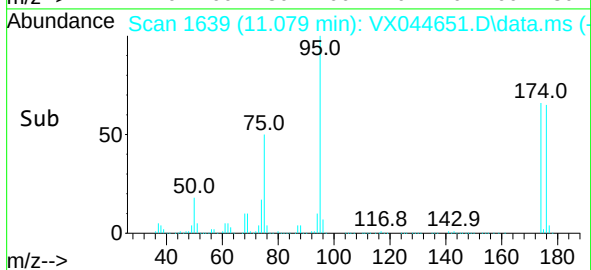
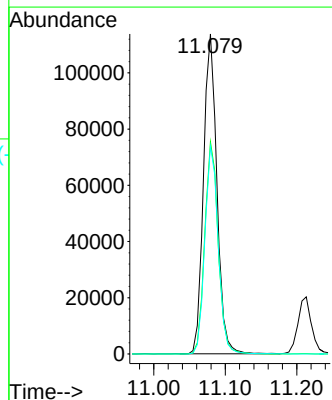
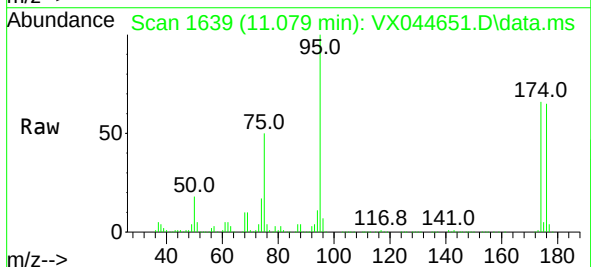
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

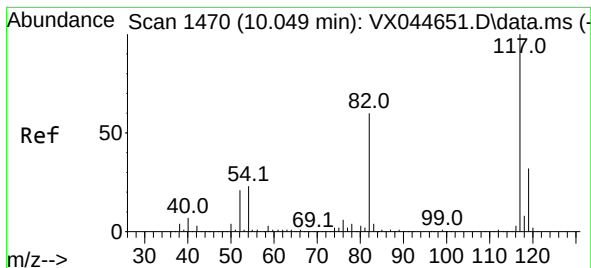
Tgt Ion:107 Resp: 118382
Ion Ratio Lower Upper
107 100
109 94.1 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 51.037 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 95 Resp: 148223
Ion Ratio Lower Upper
95 100
174 66.5 0.0 133.0
176 64.7 0.0 129.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

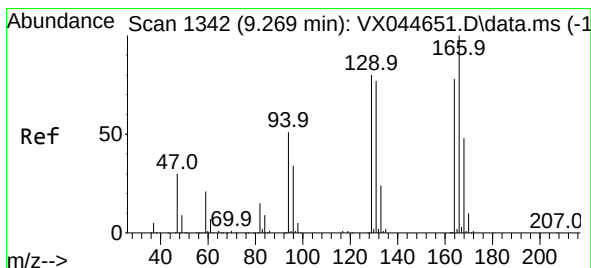
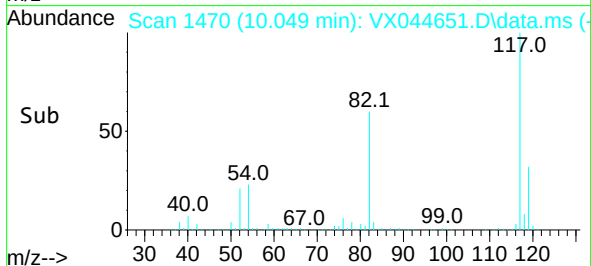
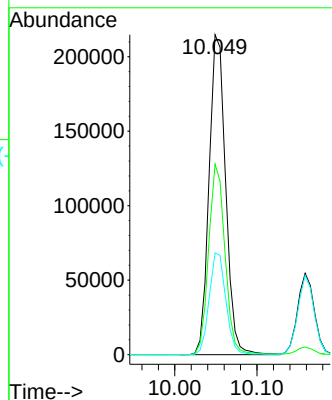
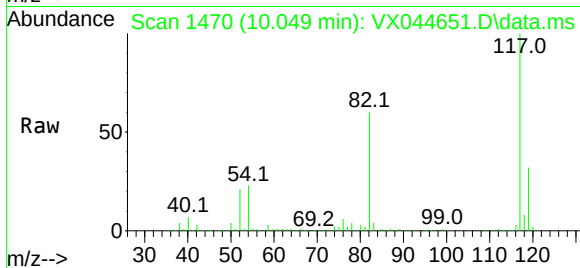
Tgt Ion:117 Resp: 301141

Ion Ratio Lower Upper

117 100

82 59.5 47.6 71.4

119 31.8 25.4 38.2



#64

Tetrachloroethene

Concen: 47.145 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Tgt Ion:164 Resp: 89149

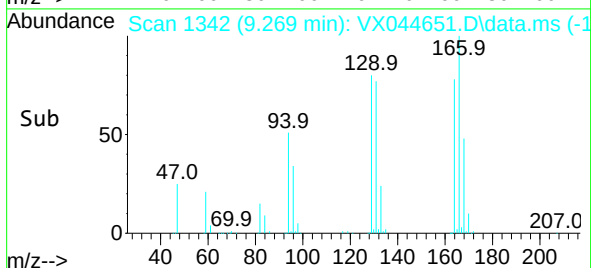
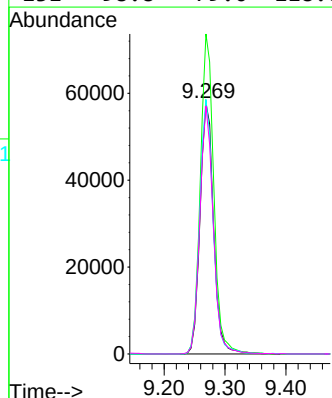
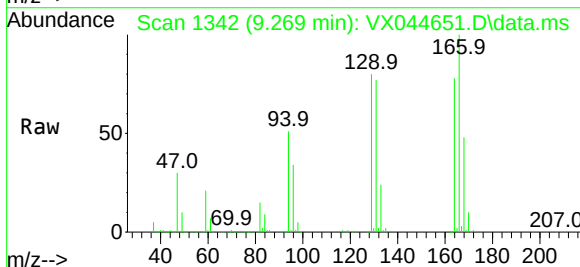
Ion Ratio Lower Upper

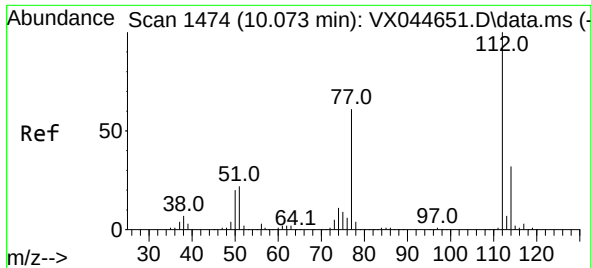
164 100

166 127.5 102.0 153.0

129 101.4 81.1 121.7

131 98.8 79.0 118.6

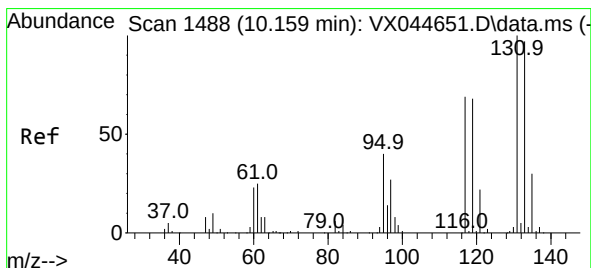
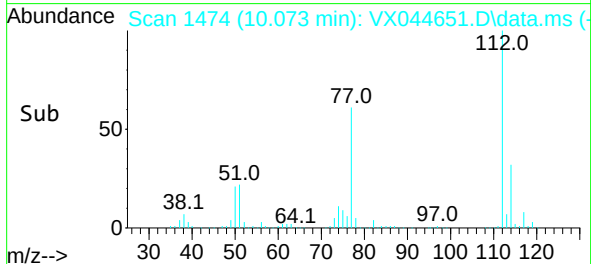
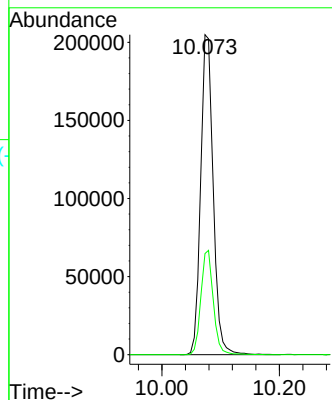
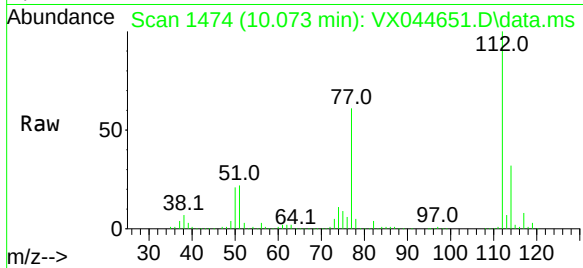




#65
Chlorobenzene
Concen: 47.474 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

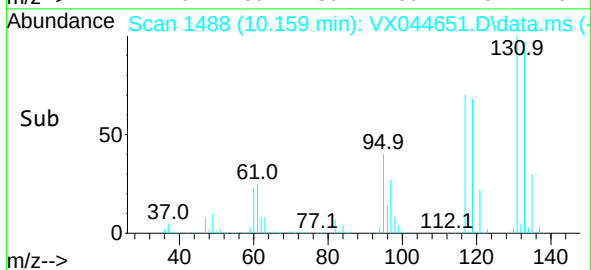
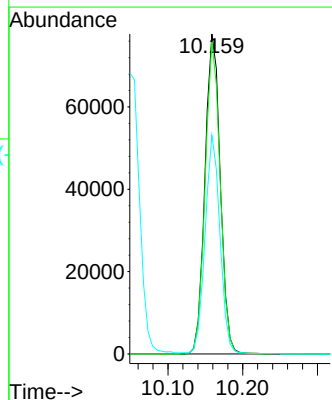
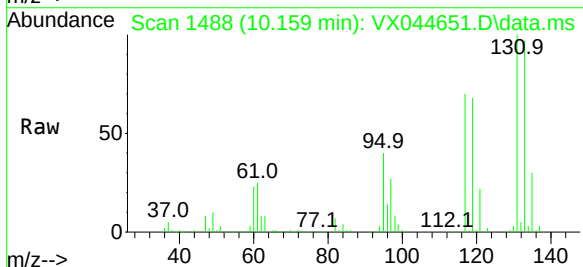
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

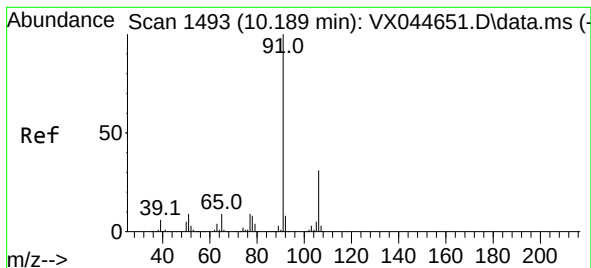
Tgt Ion:112 Resp: 303658
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 47.490 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:131 Resp: 110395
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 66.8 33.4 100.2





#67

Ethyl Benzene

Concen: 48.000 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

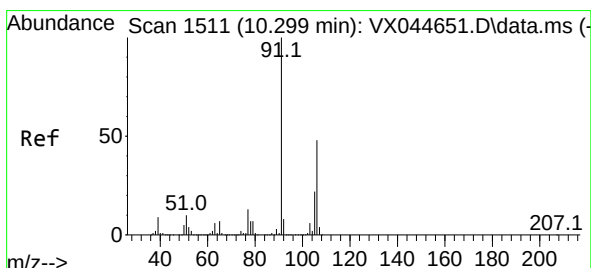
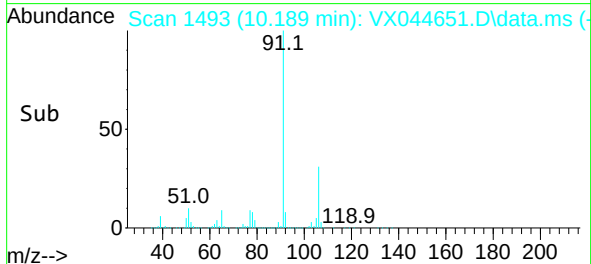
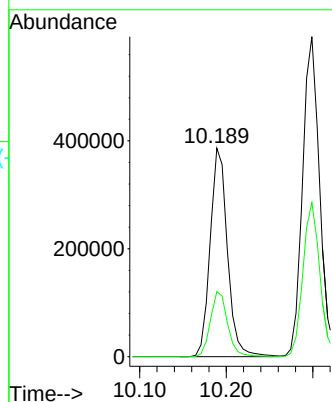
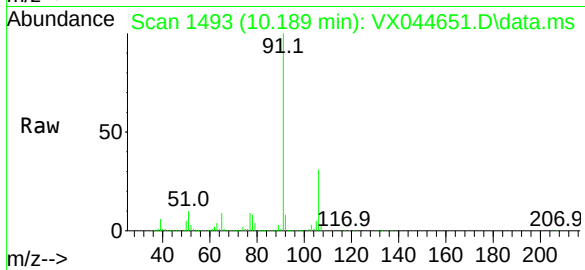
VSTDICCC050

Tgt Ion: 91 Resp: 535714

Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.6



#68

m/p-Xylenes

Concen: 95.393 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044651.D

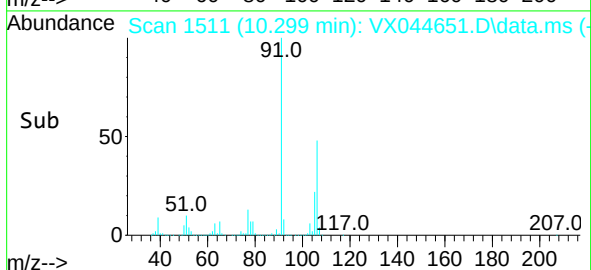
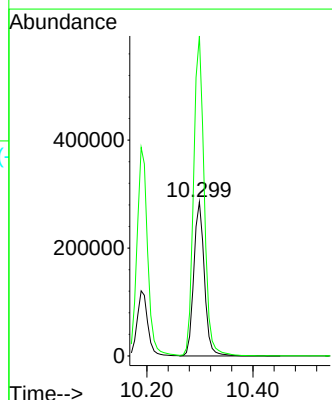
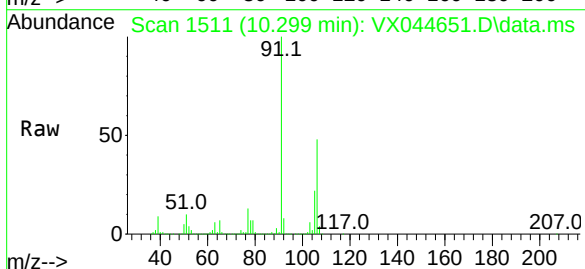
Acq: 15 Jan 2025 12:02

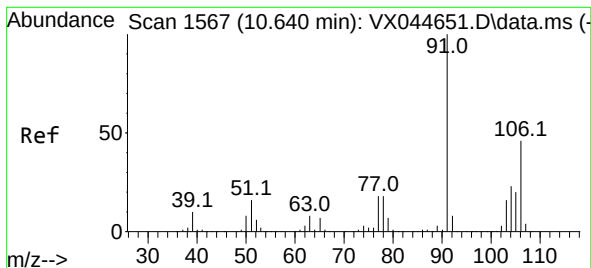
Tgt Ion:106 Resp: 395084

Ion Ratio Lower Upper

106 100

91 208.0 166.4 249.6

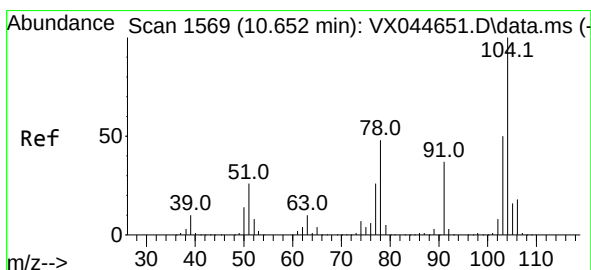
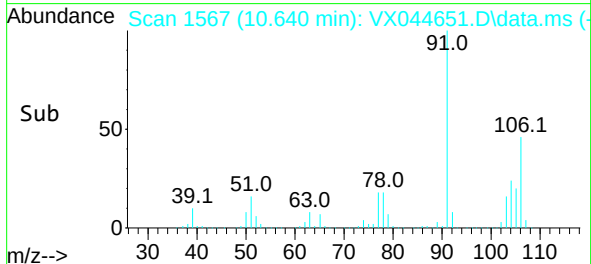
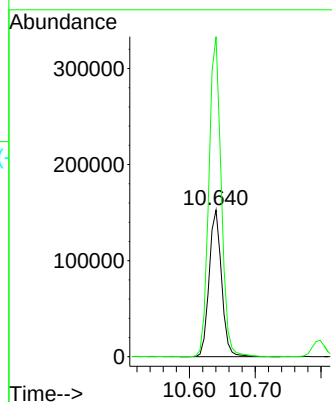
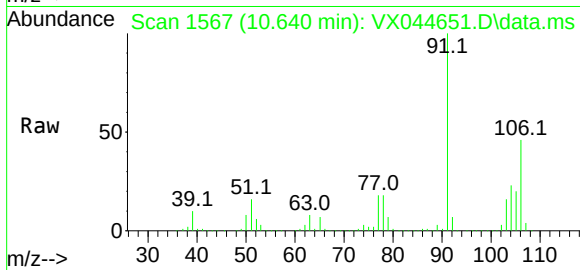




#69
o-Xylene
Concen: 47.845 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

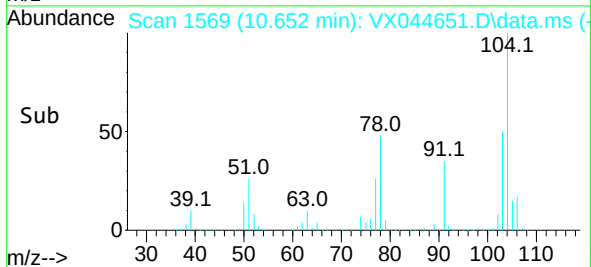
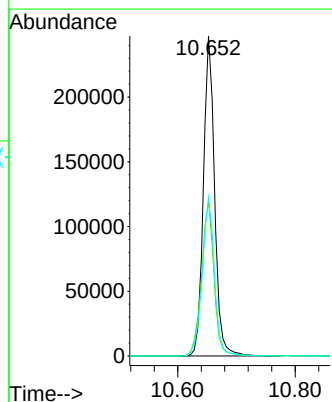
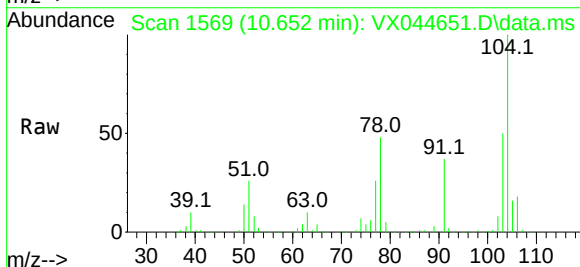
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

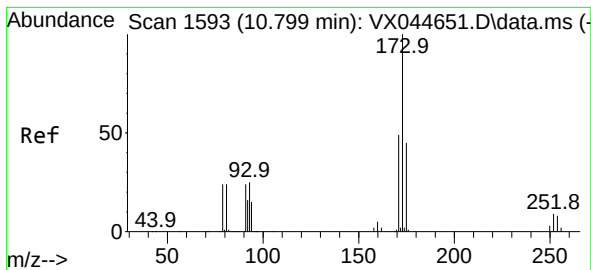
Tgt Ion:106 Resp: 200396
Ion Ratio Lower Upper
106 100
91 217.5 108.7 326.3



#70
Styrene
Concen: 48.481 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:104 Resp: 327844
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.6
103 54.3 43.4 65.2





#71

Bromoform

Concen: 48.011 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

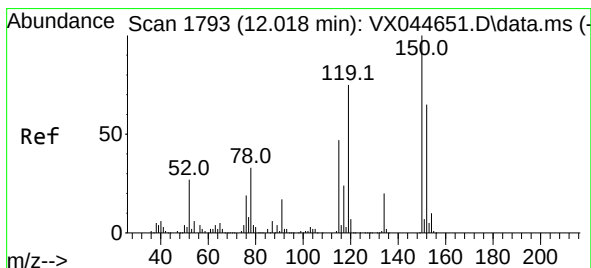
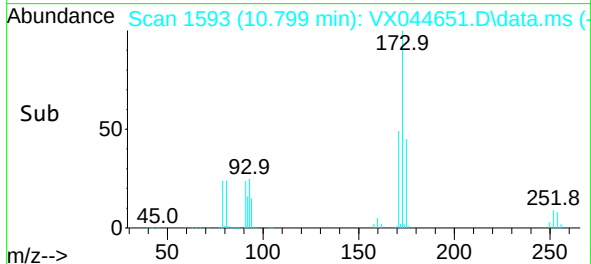
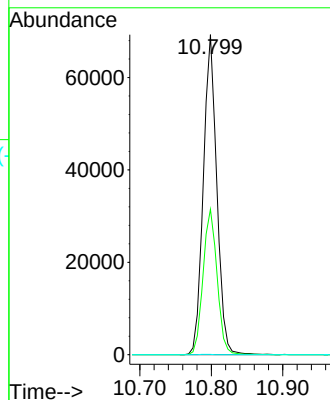
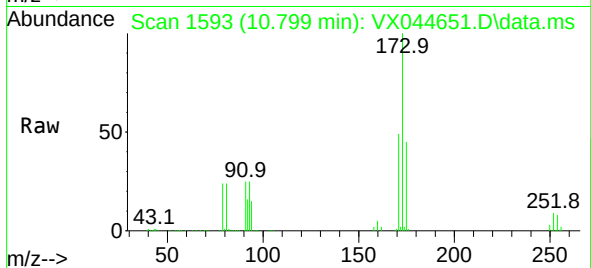
Tgt Ion:173 Resp: 90837

Ion Ratio Lower Upper

173 100

175 47.2 23.6 70.8

254 0.1 0.1 0.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

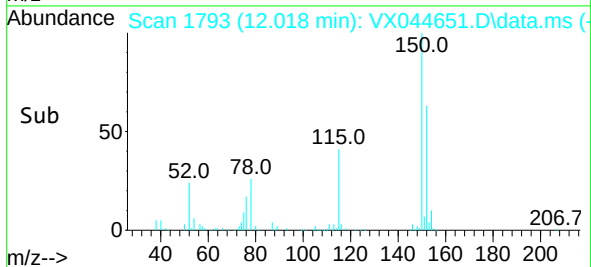
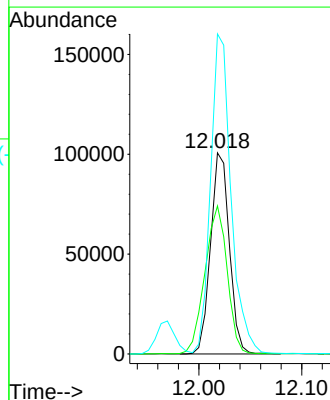
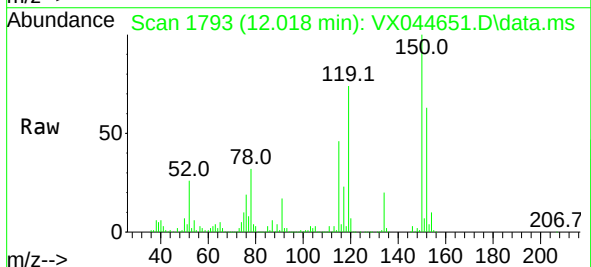
Tgt Ion:152 Resp: 127832

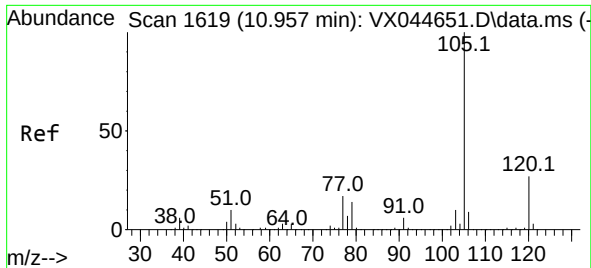
Ion Ratio Lower Upper

152 100

115 87.6 43.8 131.4

150 173.9 0.0 347.8

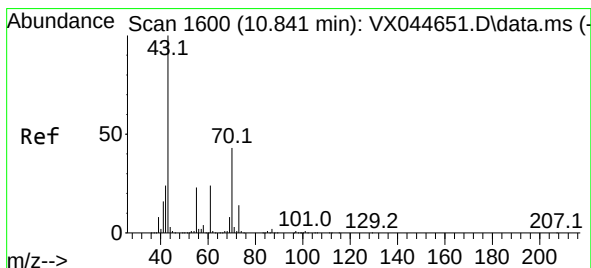
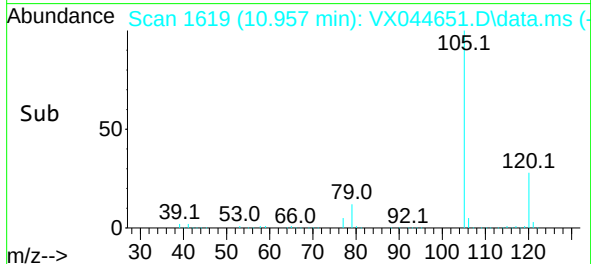
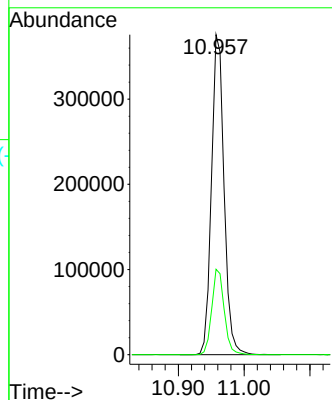
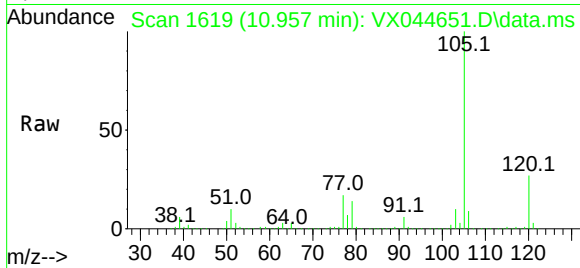




#73
Isopropylbenzene
Concen: 47.943 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

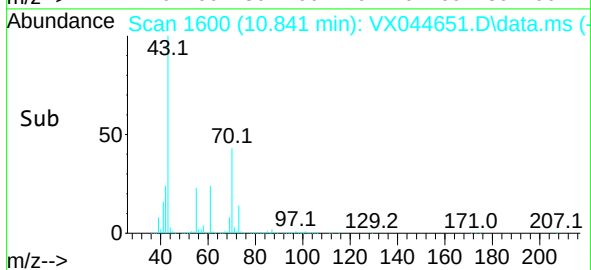
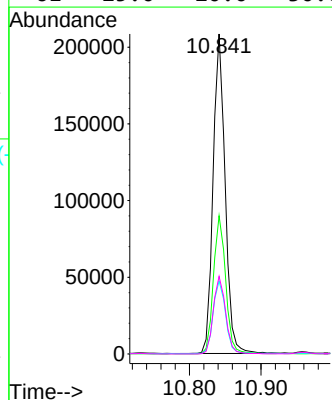
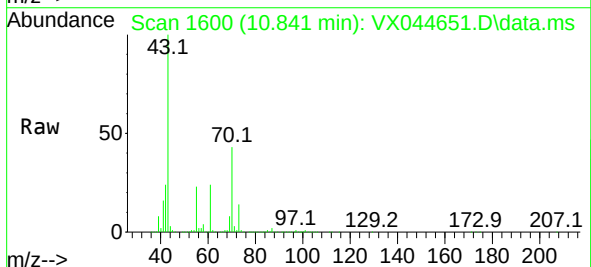
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

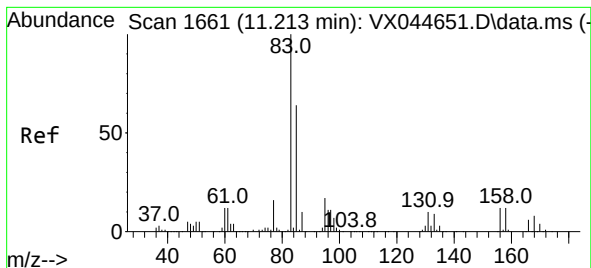
Tgt Ion:105 Resp: 500669
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.6



#74
N-ethyl acetate
Concen: 47.188 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 43 Resp: 242893
Ion Ratio Lower Upper
43 100
70 44.0 35.2 52.8
55 23.7 19.0 28.4
61 25.0 20.0 30.0

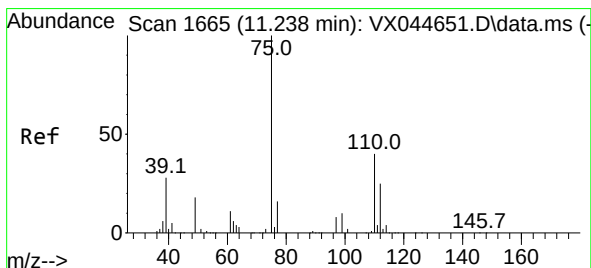
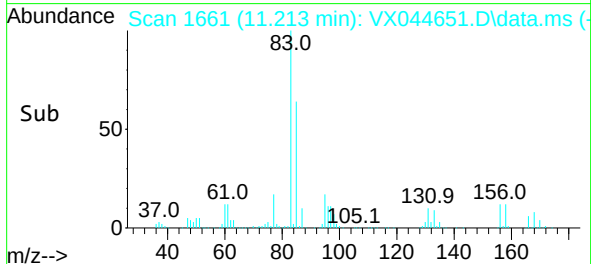
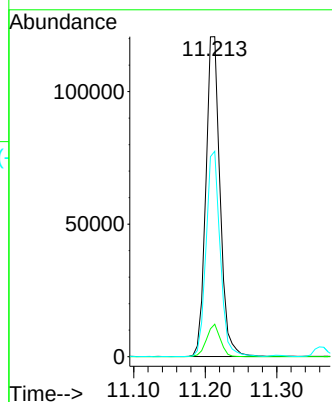
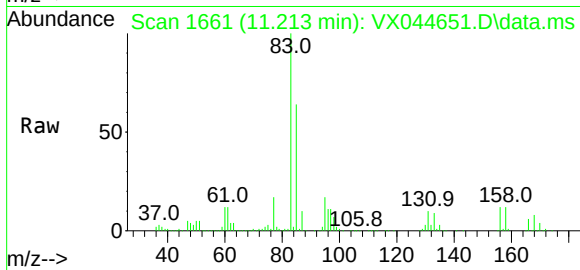




#75
1,1,2,2-Tetrachloroethane
Concen: 46.155 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

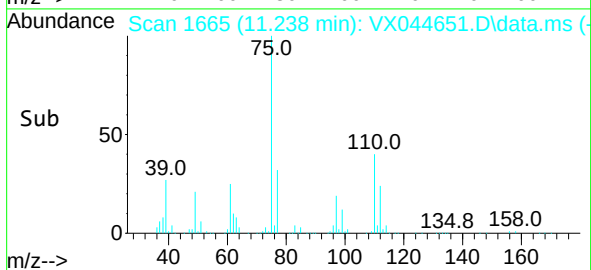
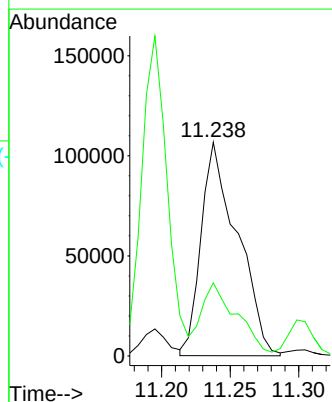
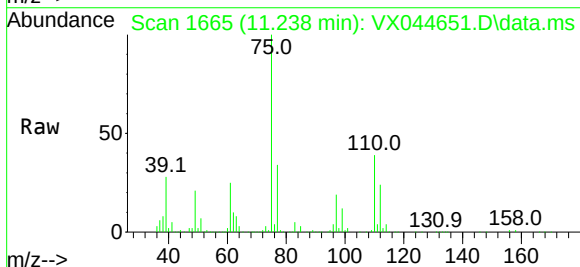
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

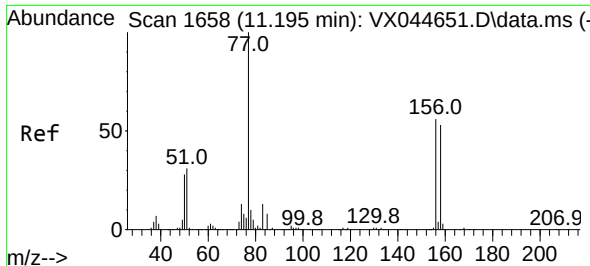
Tgt Ion: 83 Resp: 166468
Ion Ratio Lower Upper
83 100
131 9.9 5.0 14.9
85 64.1 32.0 96.2



#76
1,2,3-Trichloropropane
Concen: 63.379 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 75 Resp: 196621
Ion Ratio Lower Upper
75 100
77 33.5 23.4 70.2

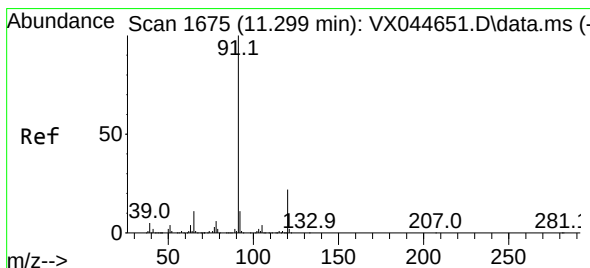
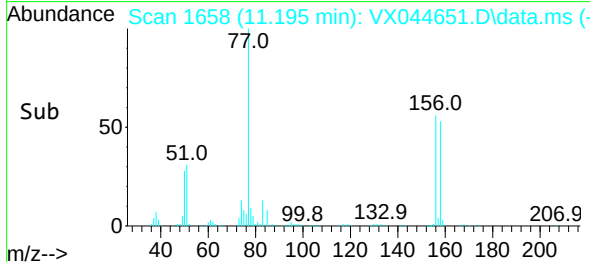
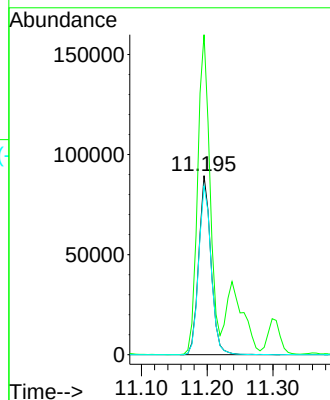
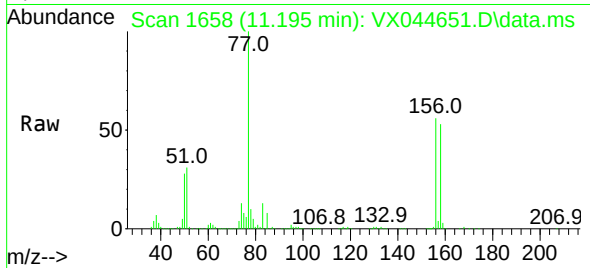




#77
Bromobenzene
Concen: 47.268 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

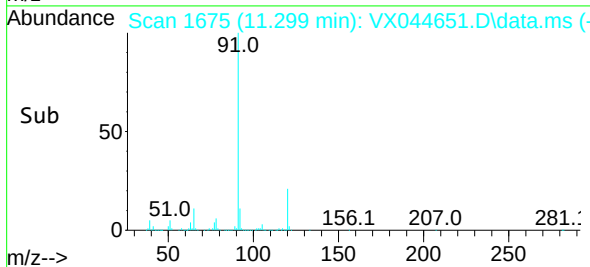
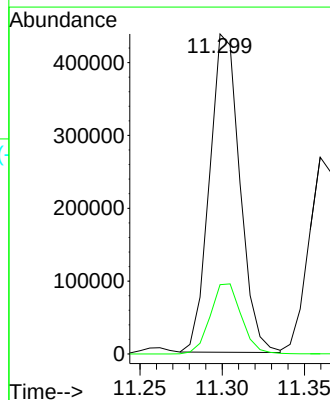
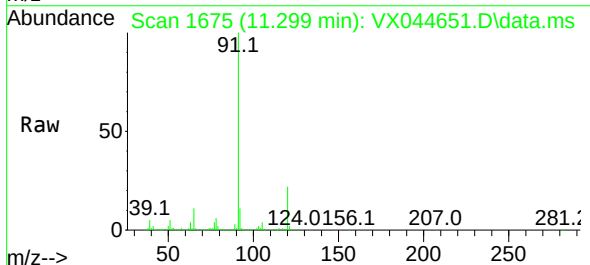
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

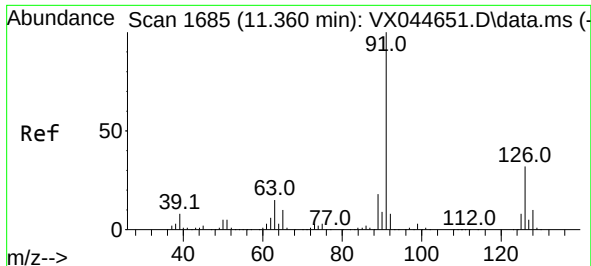
Tgt Ion:156 Resp: 115377
Ion Ratio Lower Upper
156 100
77 180.7 90.3 271.0
158 96.9 48.4 145.3



#78
n-propylbenzene
Concen: 48.746 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 91 Resp: 561396
Ion Ratio Lower Upper
91 100
120 22.7 11.4 34.1

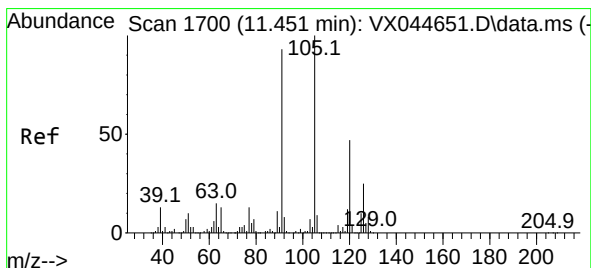
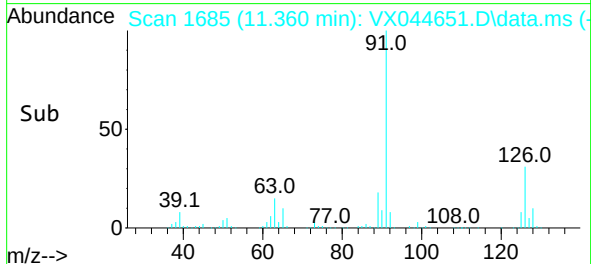
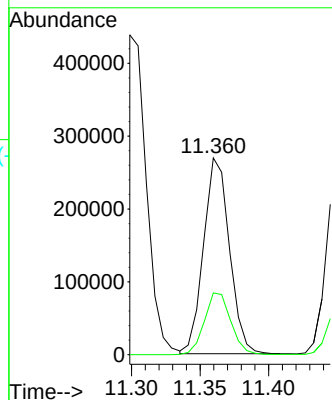
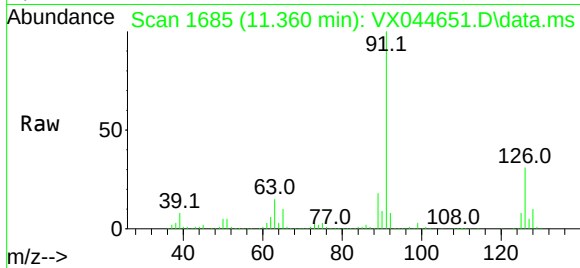




#79
2-Chlorotoluene
Concen: 47.474 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

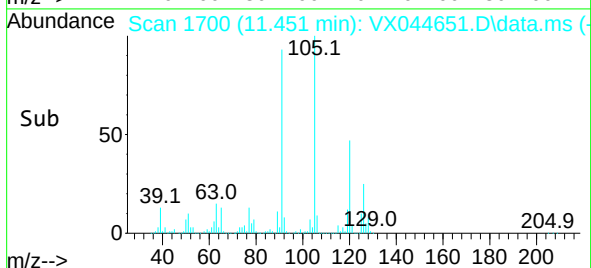
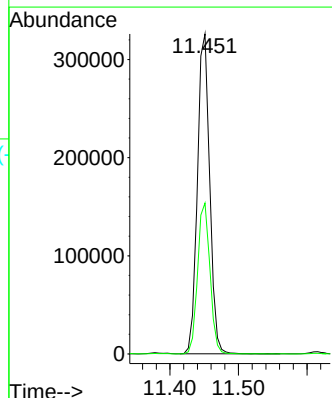
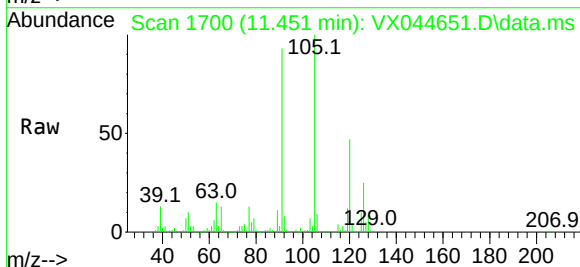
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

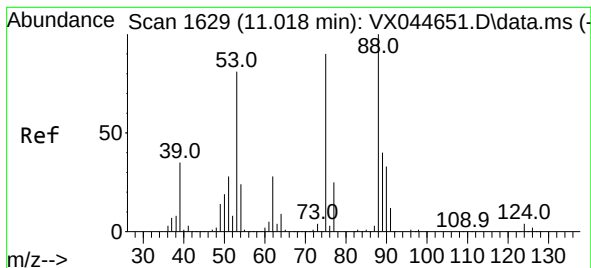
Tgt Ion: 91 Resp: 353178
Ion Ratio Lower Upper
91 100
126 32.3 16.2 48.5



#80
1,3,5-Trimethylbenzene
Concen: 47.918 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 105 Resp: 407362
Ion Ratio Lower Upper
105 100
120 47.4 23.7 71.1

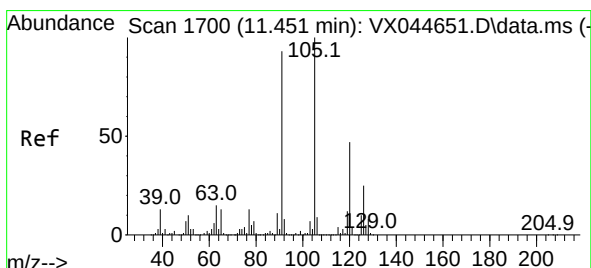
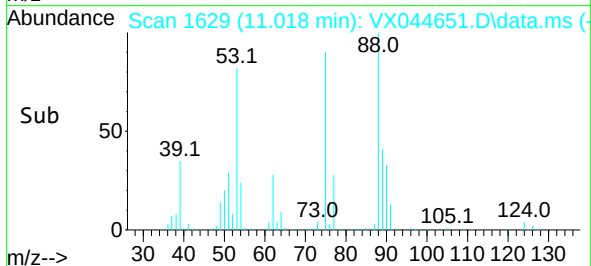
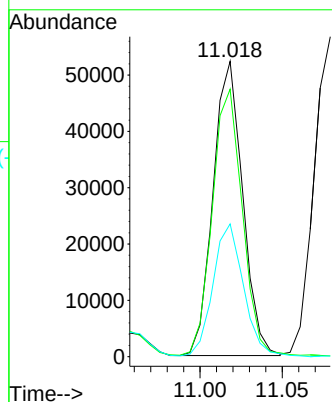
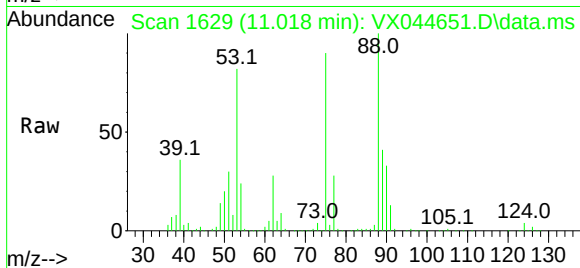




#81
trans-1,4-Dichloro-2-butene
Concen: 48.266 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

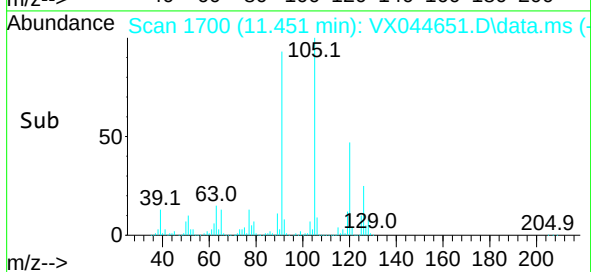
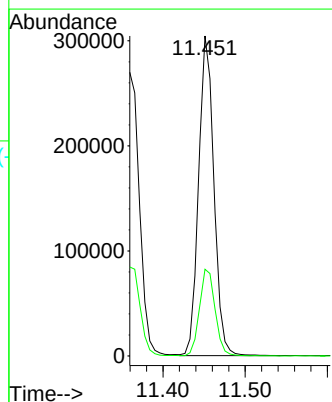
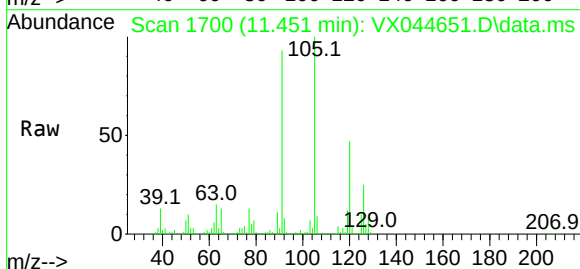
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

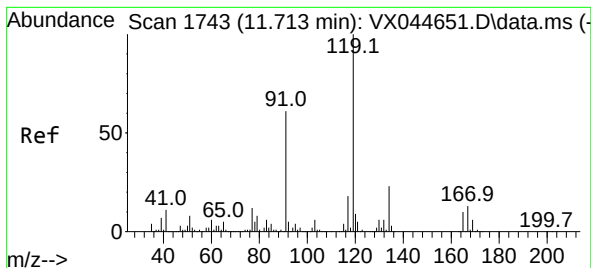
Tgt Ion: 75 Resp: 65476
Ion Ratio Lower Upper
75 100
53 92.9 74.3 111.5
89 46.7 37.4 56.0



#82
4-Chlorotoluene
Concen: 48.238 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 91 Resp: 393120
Ion Ratio Lower Upper
91 100
126 27.8 13.9 41.7

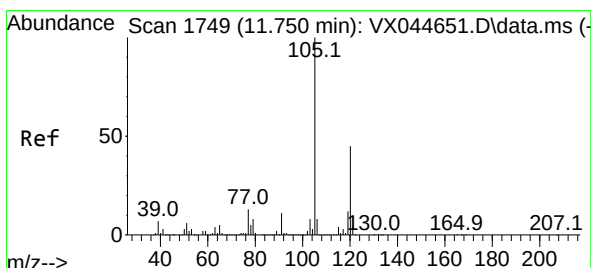
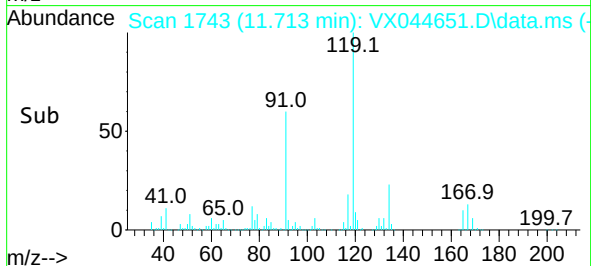
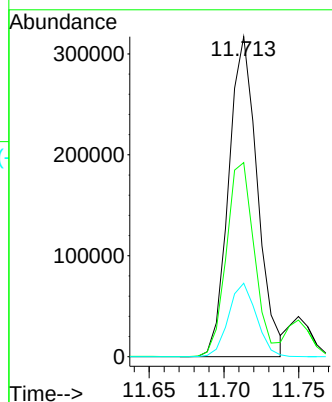
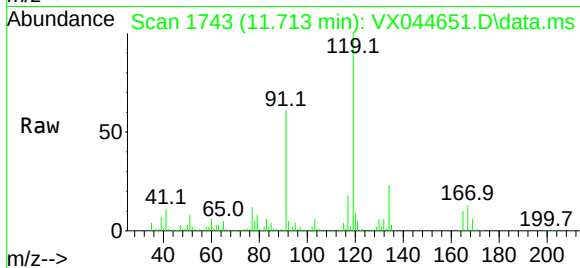




#83
 tert-Butylbenzene
 Concen: 47.513 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. 0.000 min
 Lab File: VX044651.D
 Acq: 15 Jan 2025 12:02

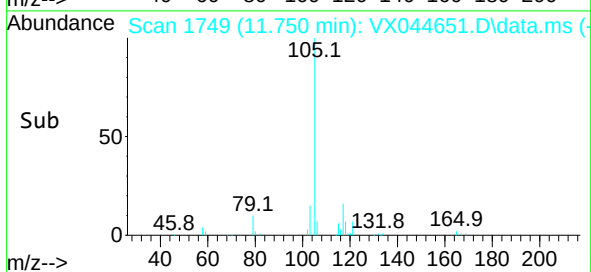
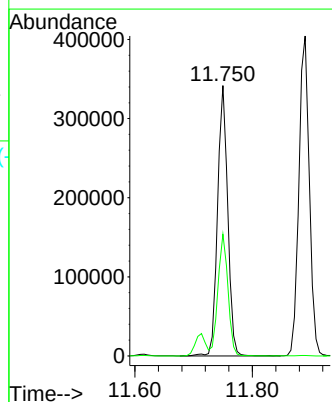
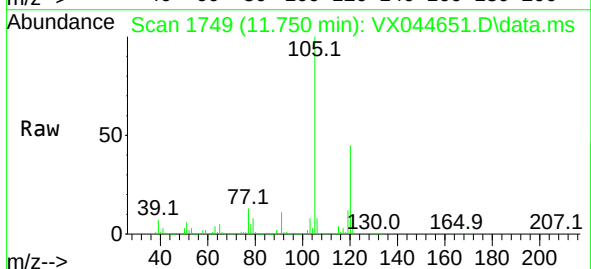
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

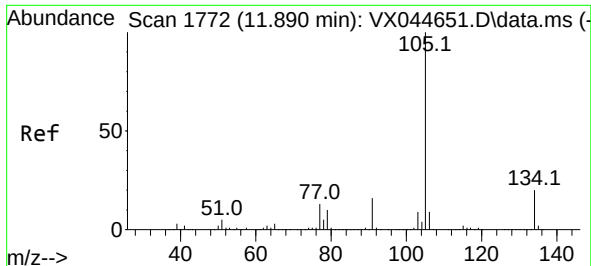
Tgt Ion:119 Resp: 422348
 Ion Ratio Lower Upper
 119 100
 91 60.0 30.0 90.0
 134 22.3 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 47.515 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX044651.D
 Acq: 15 Jan 2025 12:02

Tgt Ion:105 Resp: 410477
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.2 66.6

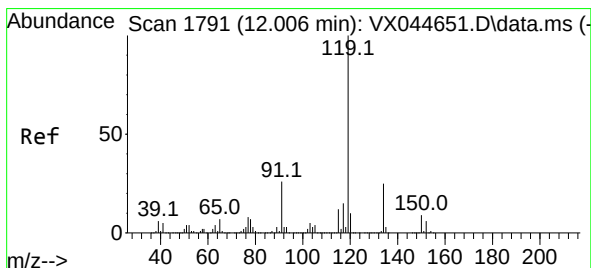
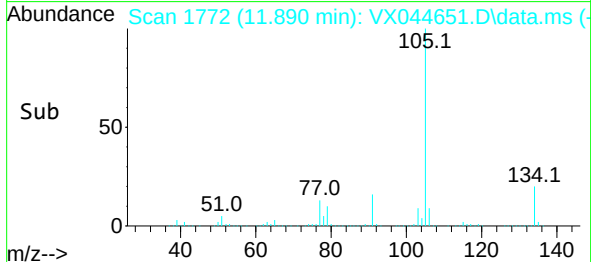
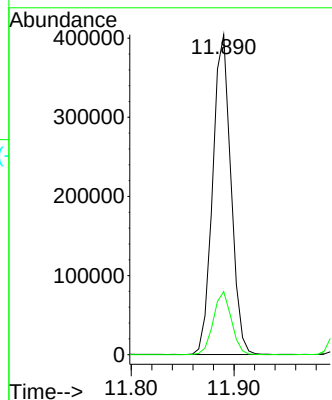
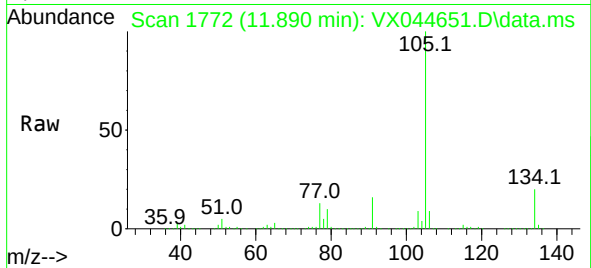




#85
sec-Butylbenzene
Concen: 48.113 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

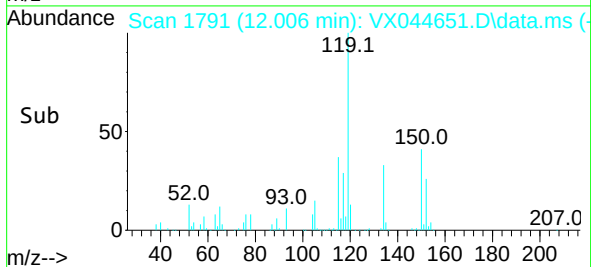
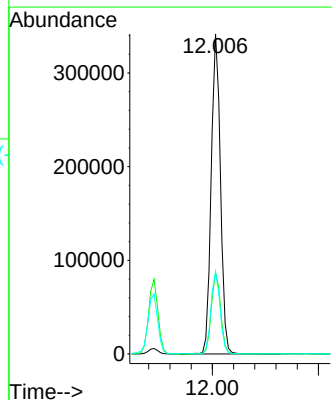
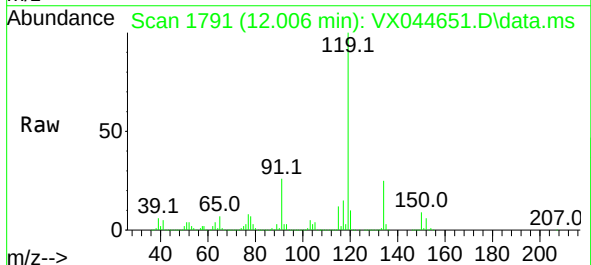
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

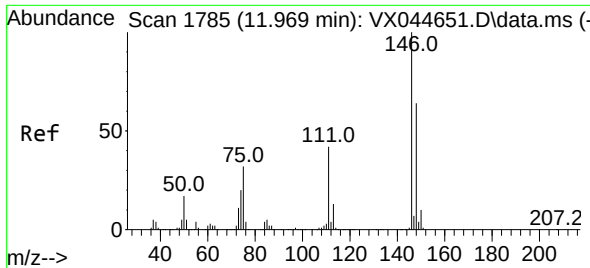
Tgt Ion:105 Resp: 497964
Ion Ratio Lower Upper
105 100
134 19.7 9.8 29.5



#86
p-Isopropyltoluene
Concen: 48.421 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:119 Resp: 411853
Ion Ratio Lower Upper
119 100
134 25.6 12.8 38.4
91 25.4 12.7 38.1

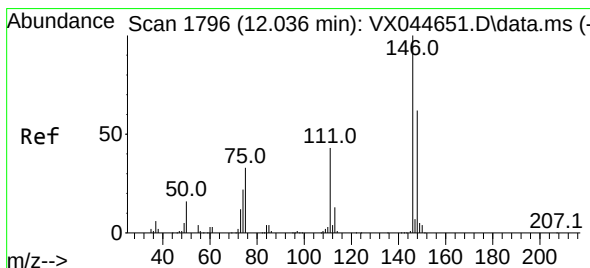
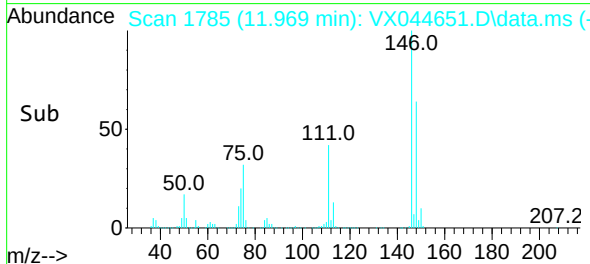
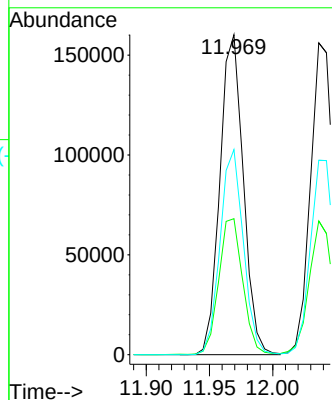
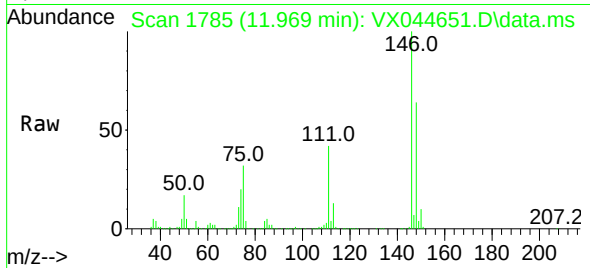




#87
 1,3-Dichlorobenzene
 Concen: 48.720 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. 0.000 min
 Lab File: VX044651.D
 Acq: 15 Jan 2025 12:02

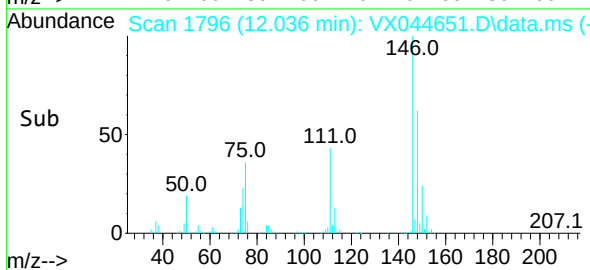
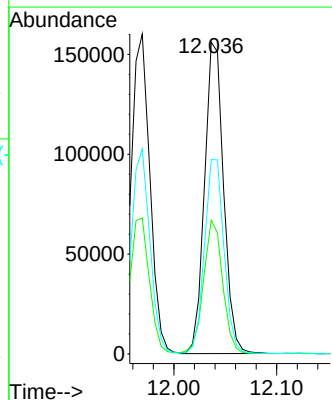
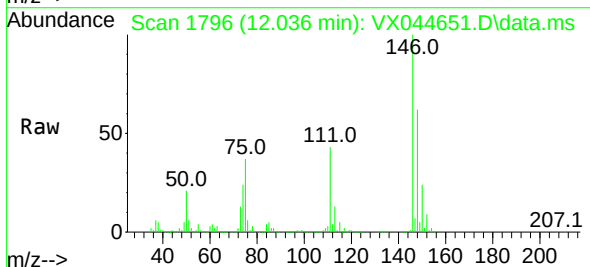
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

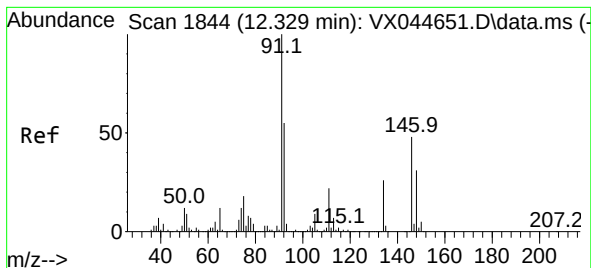
Tgt Ion:146 Resp: 206233
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.9 65.7
 148 63.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 47.105 ug/l
 RT: 12.036 min Scan# 1796
 Delta R.T. 0.000 min
 Lab File: VX044651.D
 Acq: 15 Jan 2025 12:02

Tgt Ion:146 Resp: 201574
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.5 64.5
 148 64.3 32.1 96.5

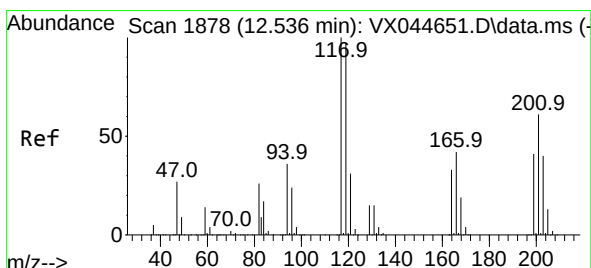
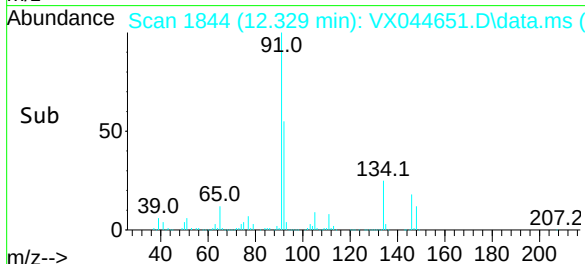
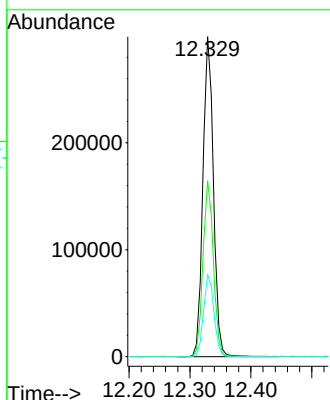
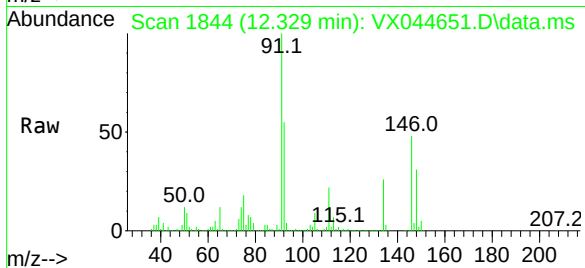




#89
n-Butylbenzene
Concen: 49.100 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

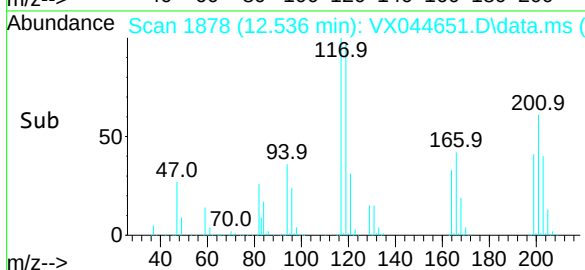
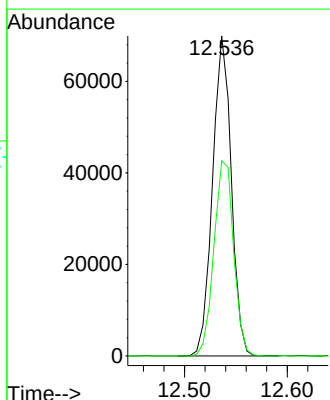
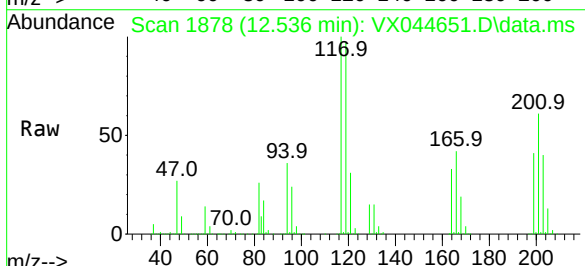
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

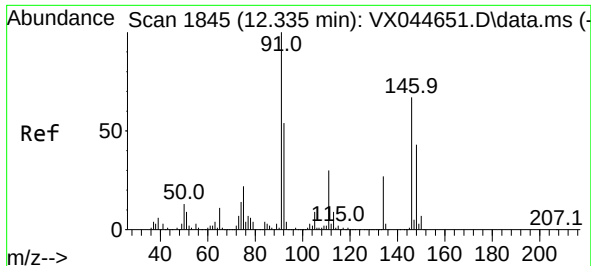
Tgt Ion: 91 Resp: 358698
Ion Ratio Lower Upper
91 100
92 54.7 27.4 82.0
134 25.5 12.8 38.3



#90
Hexachloroethane
Concen: 45.808 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 117 Resp: 88230
Ion Ratio Lower Upper
117 100
201 64.5 32.3 96.8





#91

1,2-Dichlorobenzene

Concen: 47.824 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

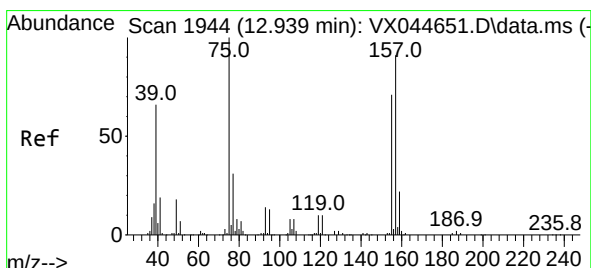
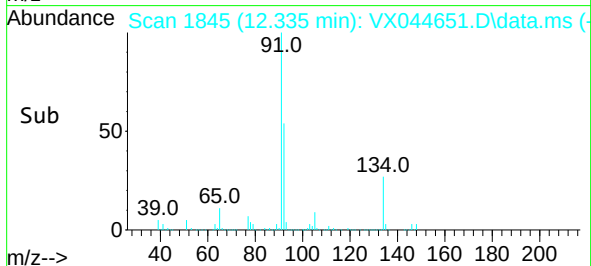
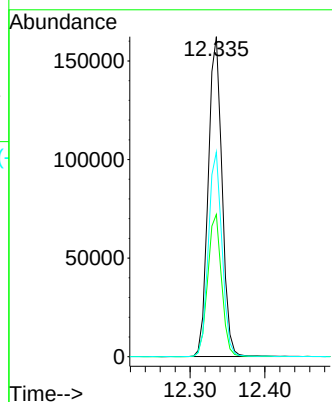
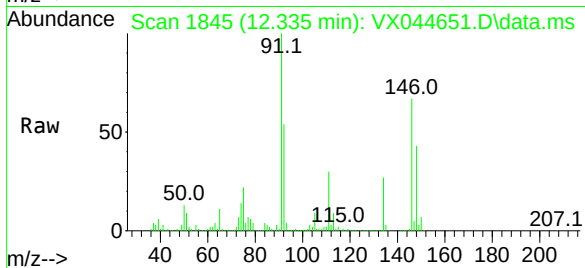
Tgt Ion:146 Resp: 207903

Ion Ratio Lower Upper

146 100

111 44.8 22.4 67.2

148 63.2 31.6 94.8



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.962 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

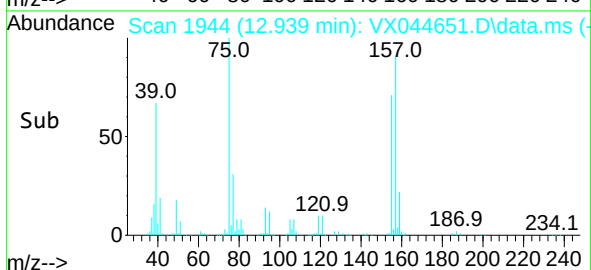
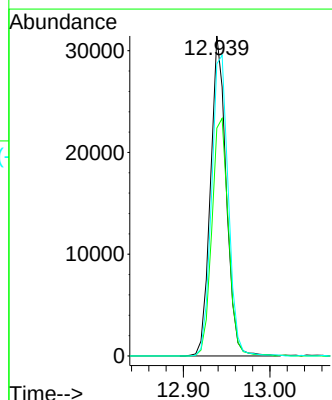
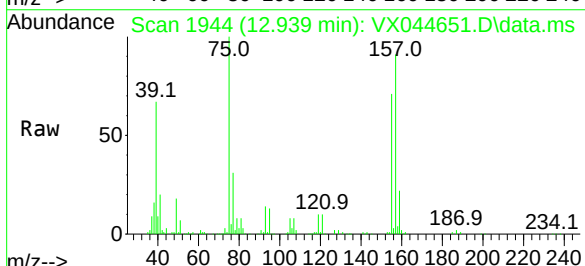
Tgt Ion: 75 Resp: 39659

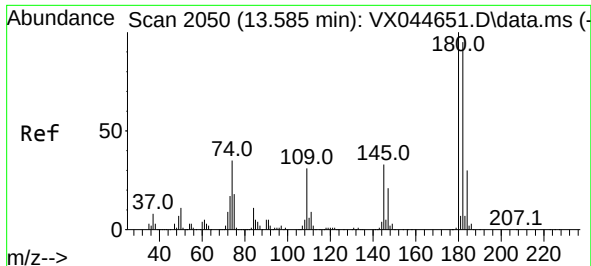
Ion Ratio Lower Upper

75 100

155 77.9 39.0 116.9

157 99.8 49.9 149.7

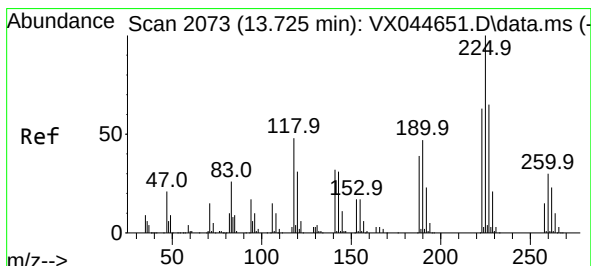
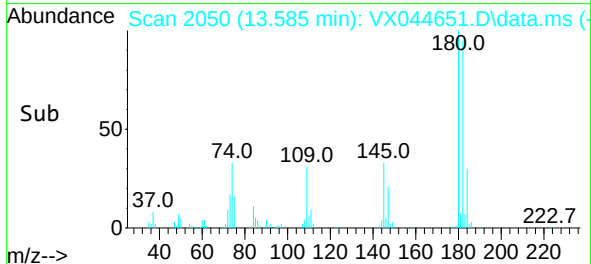
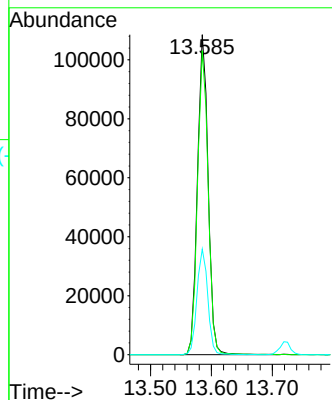
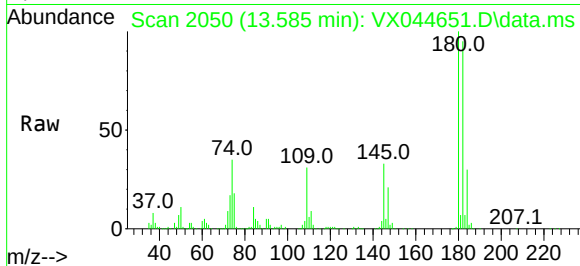




#93
1,2,4-Trichlorobenzene
Concen: 50.708 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

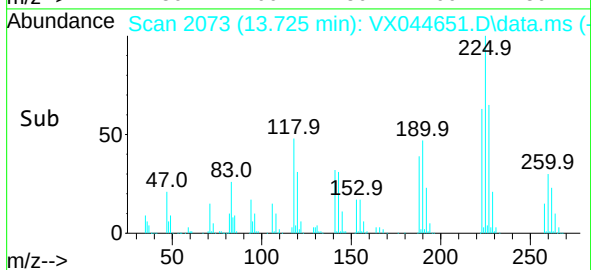
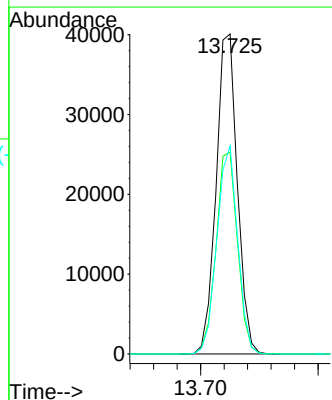
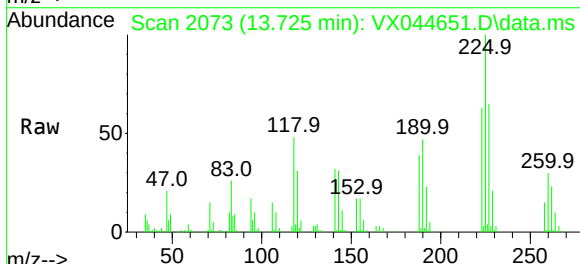
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

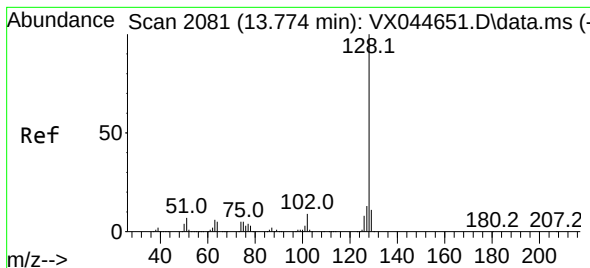
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	33.4	16.7	50.1



#94
Hexachlorobutadiene
Concen: 49.230 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	63.6	31.8	95.4





#95

Naphthalene

Concen: 48.639 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

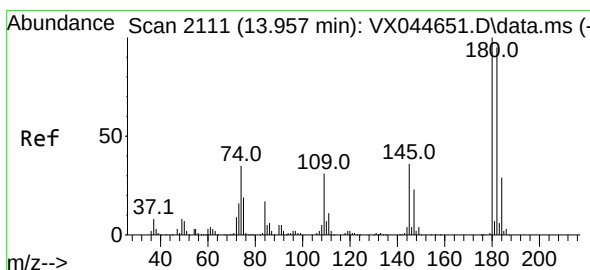
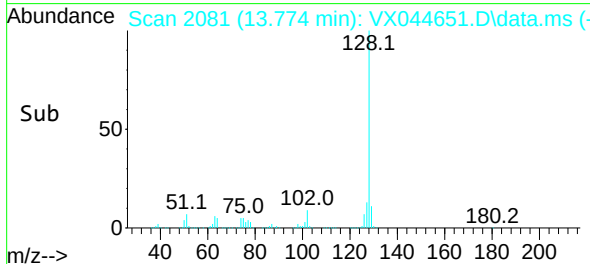
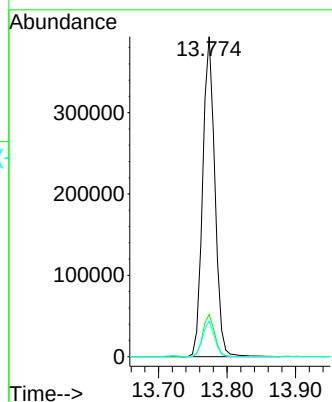
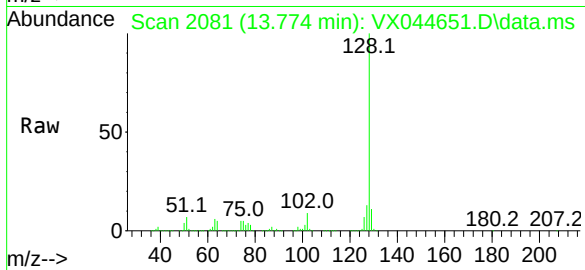
Tgt Ion:128 Resp: 487525

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 50.047 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044651.D

Acq: 15 Jan 2025 12:02

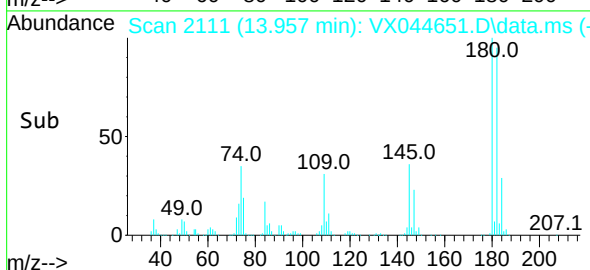
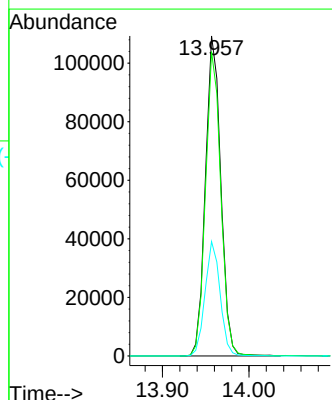
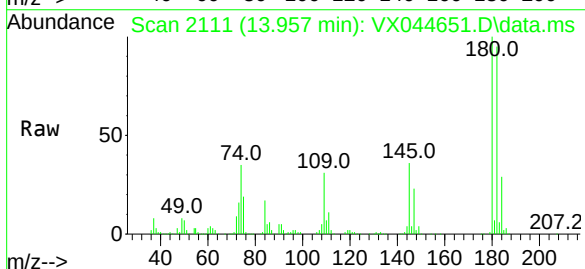
Tgt Ion:180 Resp: 134816

Ion Ratio Lower Upper

180 100

182 94.4 47.2 141.6

145 35.1 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044652.D
 Acq On : 15 Jan 2025 13:14
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 30 04:56:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	170573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	308450	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	255886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	110019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	235193	91.349	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	182.700%#
35) Dibromofluoromethane	5.373	113	181010	92.374	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	184.740%#
50) Toluene-d8	8.641	98	617688	90.404	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	180.800%#
62) 4-Bromofluorobenzene	11.079	95	236119	92.702	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	185.400%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	256287	111.657	ug/l	99
3) Chloromethane	1.301	50	232745	93.768	ug/l	100
4) Vinyl Chloride	1.374	62	238376	97.198	ug/l	100
5) Bromomethane	1.593	94	57815	98.728	ug/l	94
6) Chloroethane	1.660	64	42244	93.931	ug/l	97
7) Trichlorofluoromethane	1.861	101	275756	101.736	ug/l	99
8) Diethyl Ether	2.130	74	99765	91.205	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	203976	100.109	ug/l	99
10) Methyl Iodide	2.441	142	272297	97.884	ug/l	99
11) Tert butyl alcohol	2.983	59	132596	231.012	ug/l #	85
12) 1,1-Dichloroethene	2.306	96	194870	97.570	ug/l	98
13) Acrolein	2.233	56	116830	432.534	ug/l	98
14) Allyl chloride	2.654	41	358388	92.162	ug/l	100
15) Acrylonitrile	3.062	53	560841	498.179	ug/l	100
16) Acetone	2.386	43	527741	518.081	ug/l	100
17) Carbon Disulfide	2.495	76	529418	97.144	ug/l	99
18) Methyl Acetate	2.697	43	321291	102.235	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	681776	94.245	ug/l	99
20) Methylene Chloride	2.776	84	216105	91.100	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	190588	91.400	ug/l	99
22) Diisopropyl ether	3.751	45	632562	93.579	ug/l	100
23) Vinyl Acetate	3.715	43	2791754	471.863	ug/l	100
24) 1,1-Dichloroethane	3.599	63	378924	94.530	ug/l	99
25) 2-Butanone	4.550	43	765500	505.435	ug/l	100
26) 2,2-Dichloropropane	4.458	77	357666	92.064	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	240149	91.559	ug/l	99
28) Bromochloromethane	4.885	49	179896	96.041	ug/l	100
29) Tetrahydrofuran	4.995	42	477227	488.500	ug/l	100
30) Chloroform	5.080	83	373681	92.373	ug/l	99
31) Cyclohexane	5.452	56	319131	98.436	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	338119	90.918	ug/l	99
36) 1,1-Dichloropropene	5.678	75	255714	93.746	ug/l	99
37) Ethyl Acetate	4.702	43	300700	103.517	ug/l	99
38) Carbon Tetrachloride	5.666	117	287048	93.555	ug/l	99
39) Methylcyclohexane	7.367	83	359758	99.352	ug/l	98
40) Benzene	6.025	78	785626	92.946	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044652.D
 Acq On : 15 Jan 2025 13:14
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 30 04:56:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	168481	99.535	ug/l	98
42) 1,2-Dichloroethane	6.074	62	292036	94.663	ug/l	99
43) Isopropyl Acetate	6.330	43	512598	95.925	ug/l	99
44) Trichloroethene	7.117	130	199570	98.212	ug/l	96
45) 1,2-Dichloropropane	7.421	63	200877	94.413	ug/l	99
46) Dibromomethane	7.568	93	150112	92.680	ug/l	98
47) Bromodichloromethane	7.812	83	307990	92.723	ug/l	99
48) Methyl methacrylate	7.684	41	248667	100.250	ug/l	100
49) 1,4-Dioxane	7.665	88	101384	1959.056	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1372888	464.897	ug/l	100
52) Toluene	8.708	92	474392	91.697	ug/l	100
53) t-1,3-Dichloropropene	8.970	75	330982	96.446	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	349516	93.927	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	192326	91.885	ug/l	98
56) Ethyl methacrylate	9.110	69	337626	93.812	ug/l	99
57) 1,3-Dichloropropane	9.305	76	325142	91.220	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	817528	462.693	ug/l	99
59) 2-Hexanone	9.427	43	1019940	469.454	ug/l	99
60) Dibromochloromethane	9.519	129	227418	92.570	ug/l	99
61) 1,2-Dibromoethane	9.604	107	202247	92.200	ug/l	100
64) Tetrachloroethene	9.269	164	157748	98.176	ug/l	98
65) Chlorobenzene	10.073	112	510916	94.003	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	184816	93.565	ug/l	100
67) Ethyl Benzene	10.189	91	909208	95.872	ug/l	99
68) m/p-Xylenes	10.299	106	661488	187.963	ug/l	100
69) o-Xylene	10.640	106	329336	92.536	ug/l	99
70) Styrene	10.653	104	547016	95.197	ug/l	100
71) Bromoform	10.799	173	155379	96.648	ug/l #	99
73) Isopropylbenzene	10.957	105	833874	92.779	ug/l	100
74) N-amyl acetate	10.842	43	414046	93.463	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	278679	89.776	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	341318	127.834	ug/l	78
77) Bromobenzene	11.195	156	192700	91.729	ug/l	99
78) n-propylbenzene	11.299	91	956202	96.470	ug/l	100
79) 2-Chlorotoluene	11.360	91	584682	91.317	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	672586	91.926	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	114832	98.354	ug/l	99
82) 4-Chlorotoluene	11.451	91	655250	93.421	ug/l	100
83) tert-Butylbenzene	11.713	119	690320	90.233	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	681398	91.646	ug/l	100
85) sec-Butylbenzene	11.890	105	848327	95.235	ug/l	100
86) p-Isopropyltoluene	12.006	119	695433	94.999	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	353809	97.115	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	347517	94.359	ug/l	99
89) n-Butylbenzene	12.329	91	633246	100.715	ug/l	99
90) Hexachloroethane	12.536	117	149253	90.037	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	340683	91.056	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	70862	93.344	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	233417	104.359	ug/l	99
94) Hexachlorobutadiene	13.725	225	88214	100.406	ug/l	100
95) Naphthalene	13.774	128	849403	98.464	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	232152	100.133	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044652.D
Acq On : 15 Jan 2025 13:14
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Jan 30 04:56:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

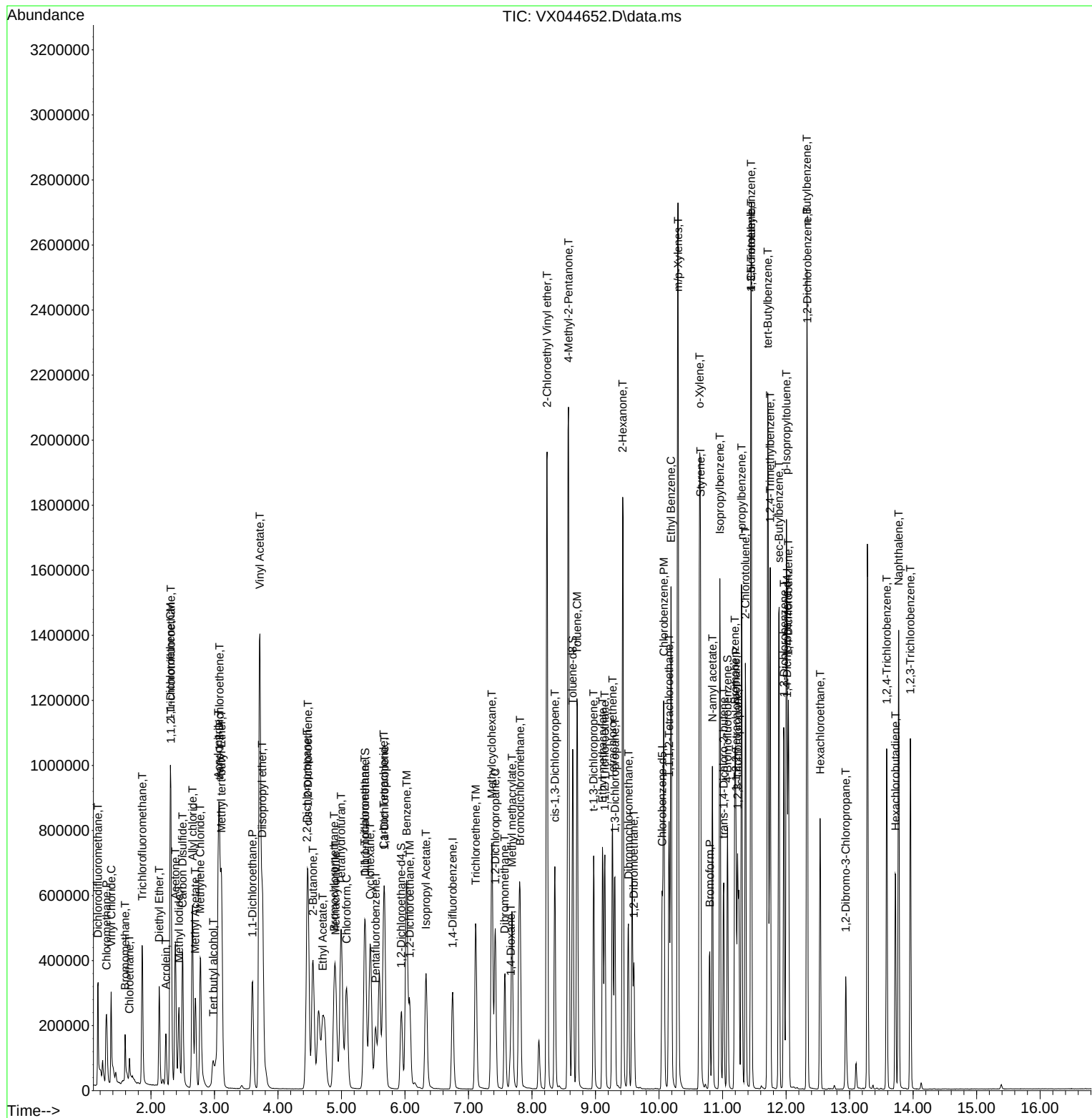
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

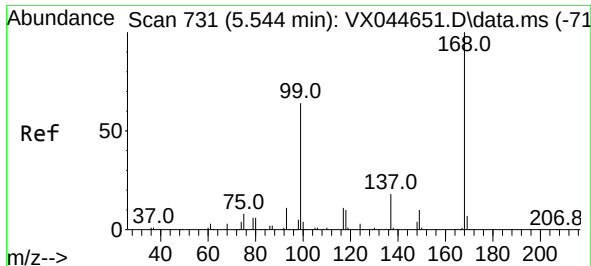
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044652.D
Acq On : 15 Jan 2025 13:14
Operator : JC/MD
Sample : VSTDIC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Quant Time: Jan 30 04:56:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

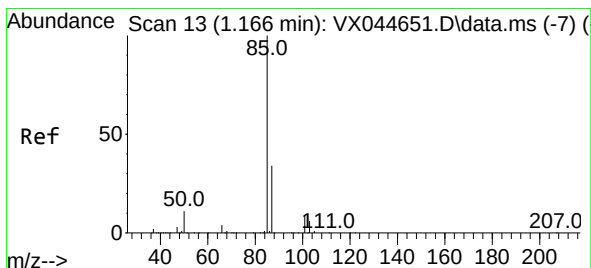
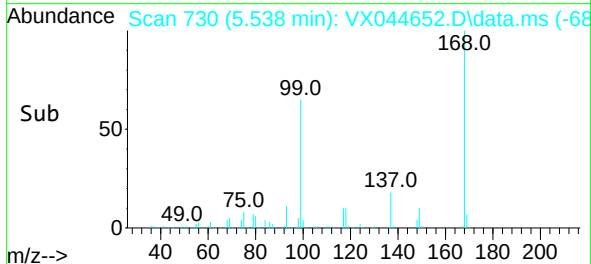
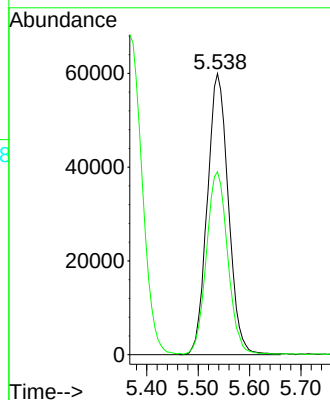
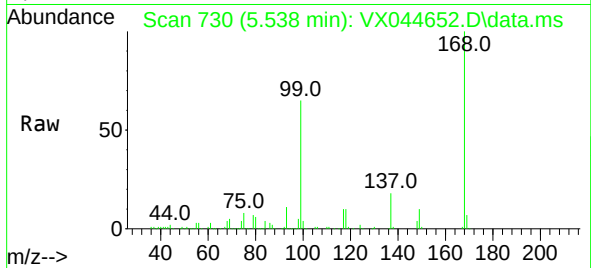




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

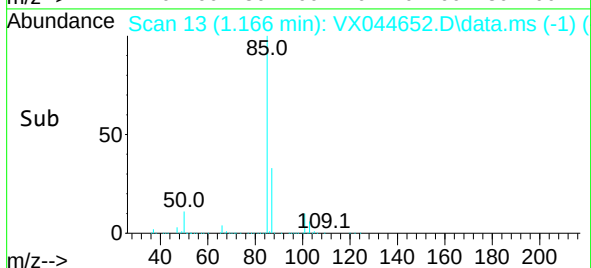
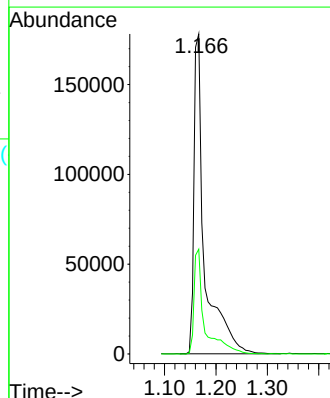
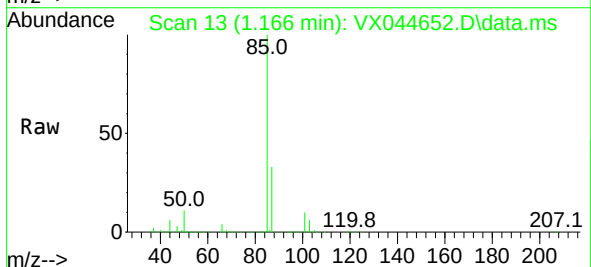
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

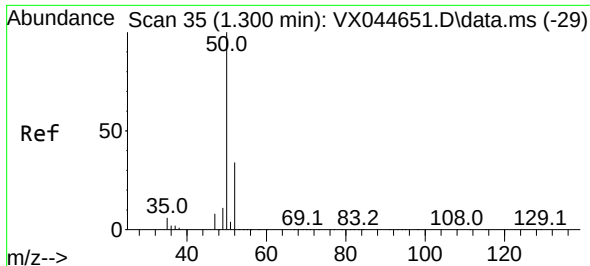
Tgt Ion:168 Resp: 170573
Ion Ratio Lower Upper
168 100
99 64.8 51.1 76.7



#2
Dichlorodifluoromethane
Concen: 111.657 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 85 Resp: 256287
Ion Ratio Lower Upper
85 100
87 32.8 16.8 50.4

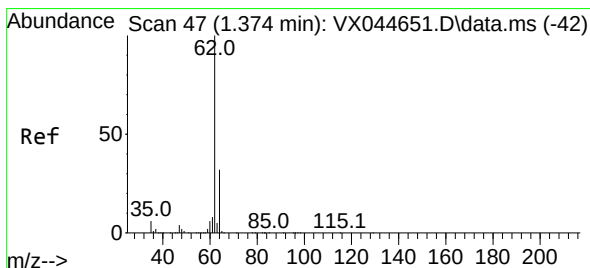
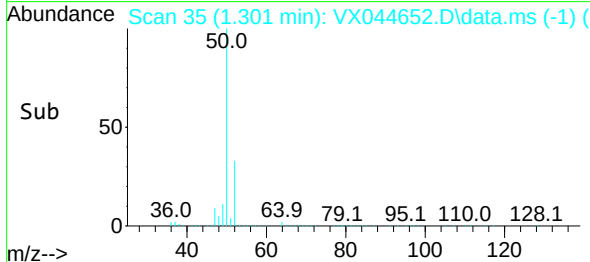
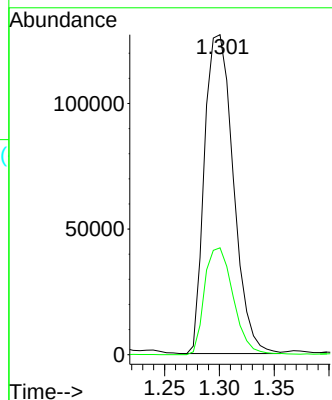
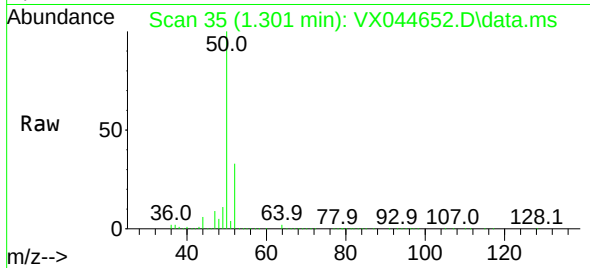




#3
Chloromethane
Concen: 93.768 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

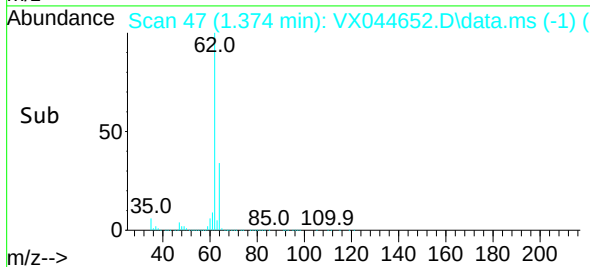
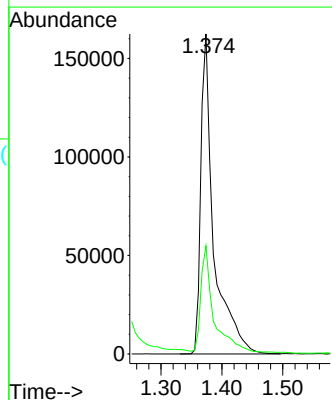
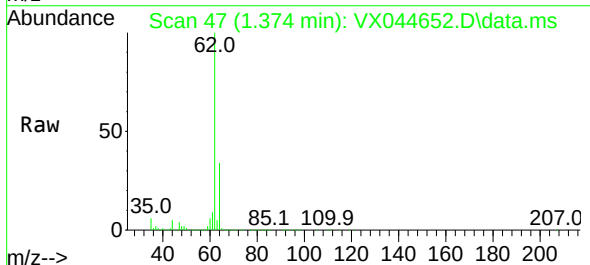
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

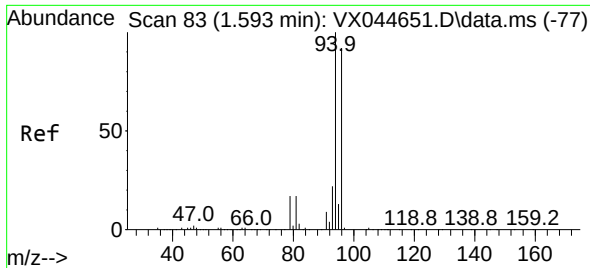
Tgt Ion: 50 Resp: 232745
Ion Ratio Lower Upper
50 100
52 33.5 27.0 40.4



#4
Vinyl Chloride
Concen: 97.198 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 62 Resp: 238376
Ion Ratio Lower Upper
62 100
64 33.3 26.6 39.8

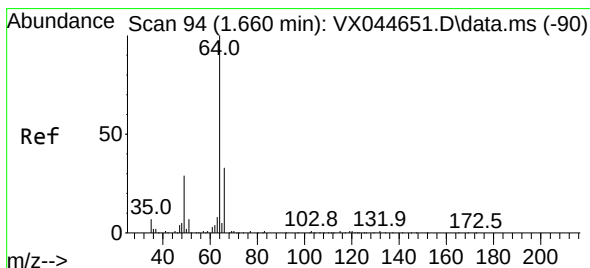
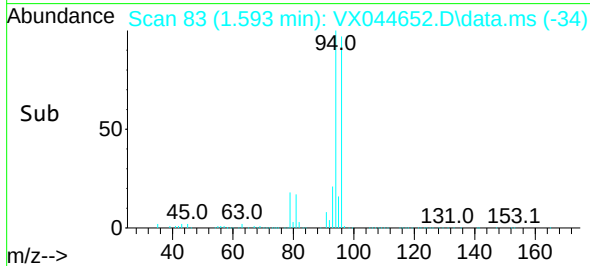
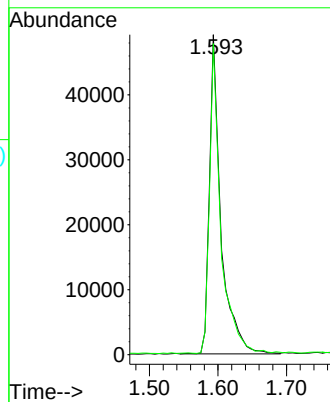
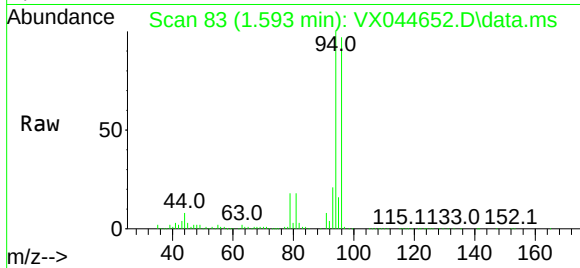




#5
Bromomethane
Concen: 98.728 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

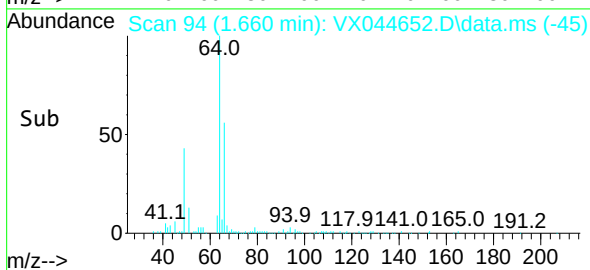
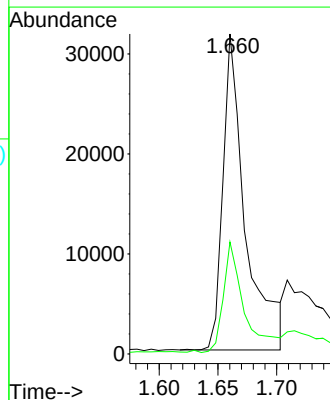
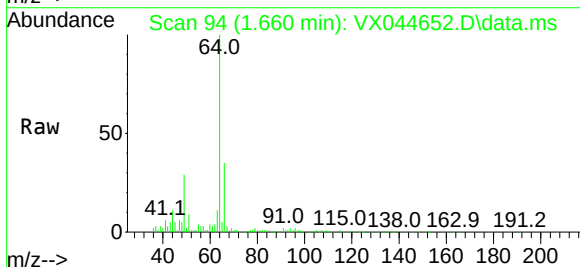
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

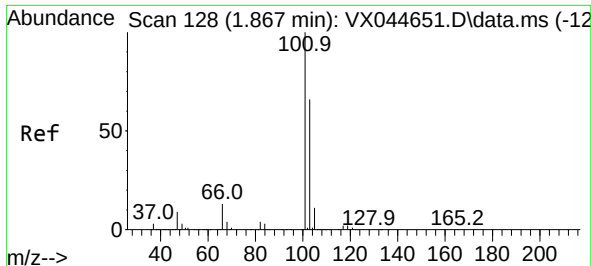
Tgt Ion: 94 Resp: 57815
Ion Ratio Lower Upper
94 100
96 97.0 72.8 109.2



#6
Chloroethane
Concen: 93.931 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 64 Resp: 42244
Ion Ratio Lower Upper
64 100
66 34.8 26.6 39.8

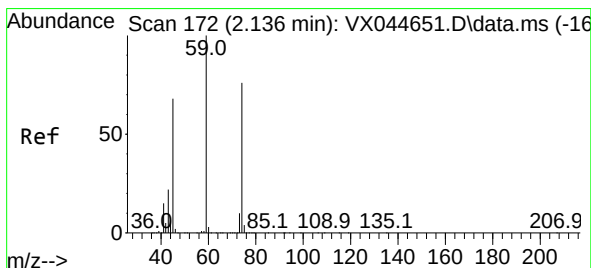
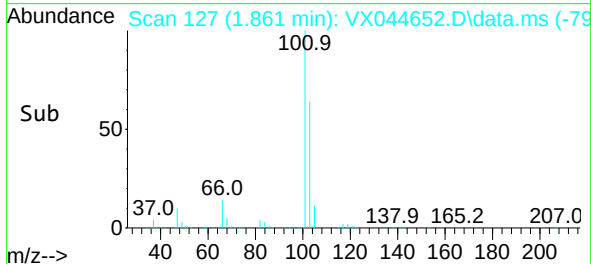
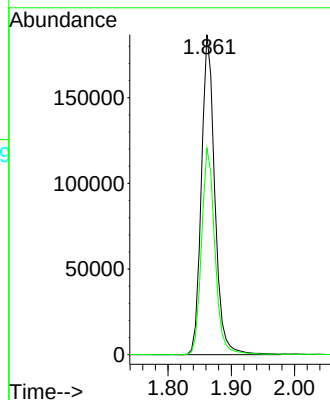
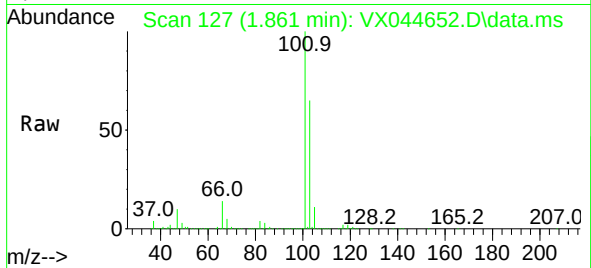




#7
Trichlorofluoromethane
Concen: 101.736 ug/l
RT: 1.861 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

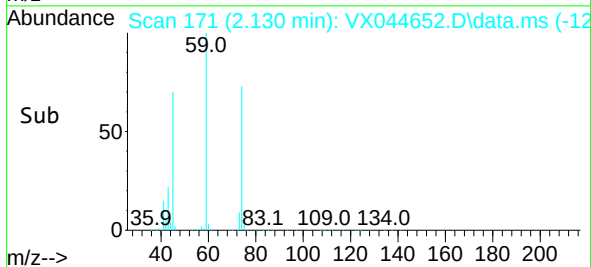
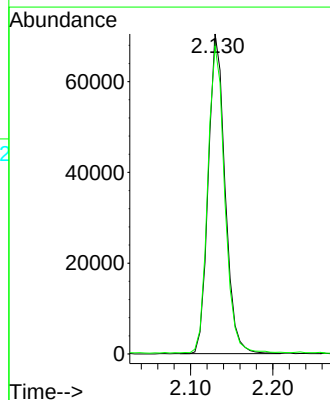
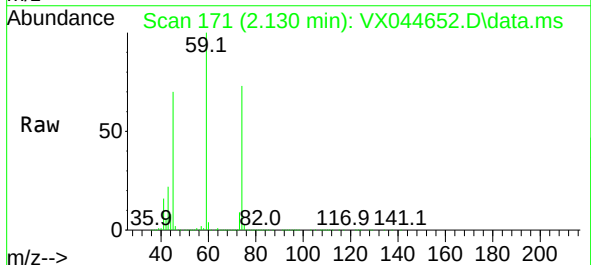
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

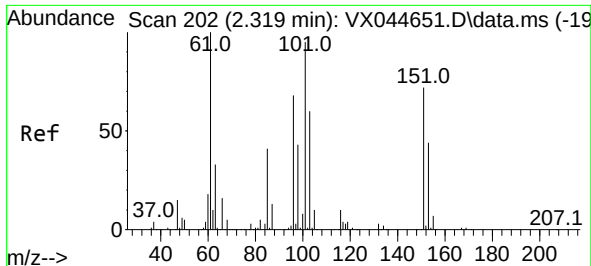
Tgt Ion:101 Resp: 275756
Ion Ratio Lower Upper
101 100
103 64.5 52.5 78.7



#8
Diethyl Ether
Concen: 91.205 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 74 Resp: 99765
Ion Ratio Lower Upper
74 100
45 97.0 47.1 141.3

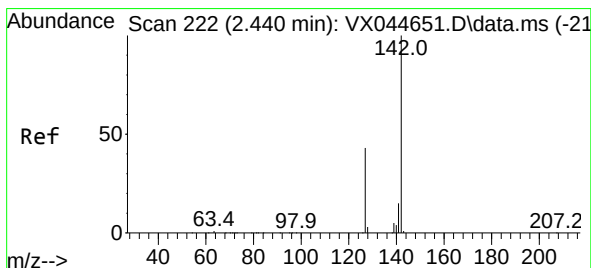
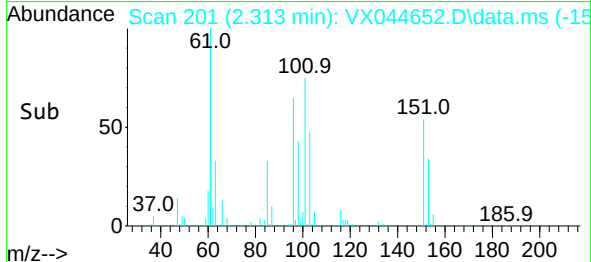
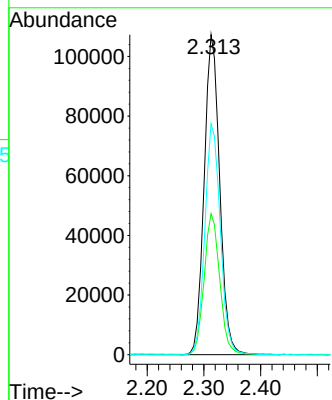
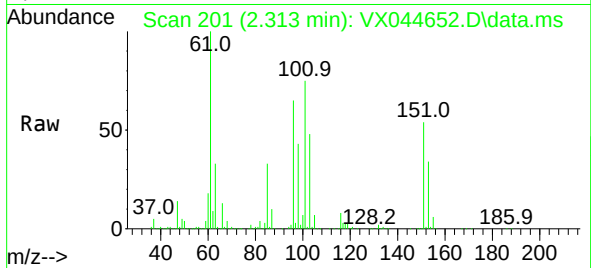




#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.109 ug/l
RT: 2.313 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

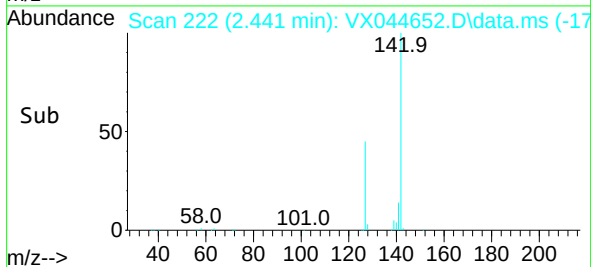
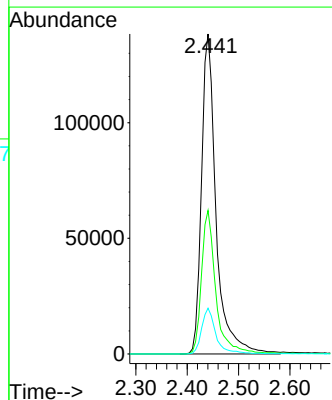
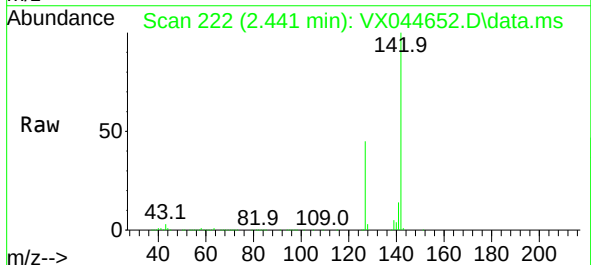
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

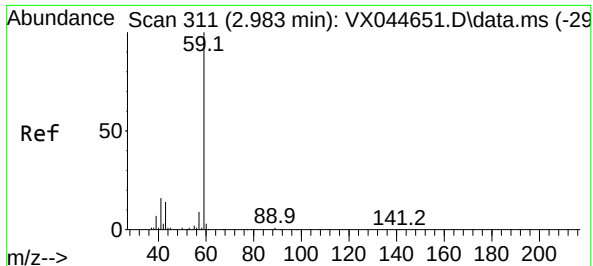
Tgt Ion:101 Resp: 203976
Ion Ratio Lower Upper
101 100
85 43.8 35.3 52.9
151 72.1 58.2 87.4



#10
Methyl Iodide
Concen: 97.884 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:142 Resp: 272297
Ion Ratio Lower Upper
142 100
127 44.3 35.0 52.4
141 14.1 11.7 17.5

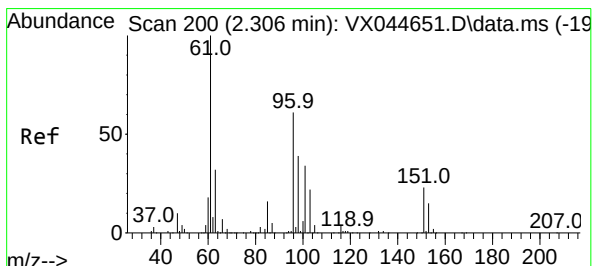
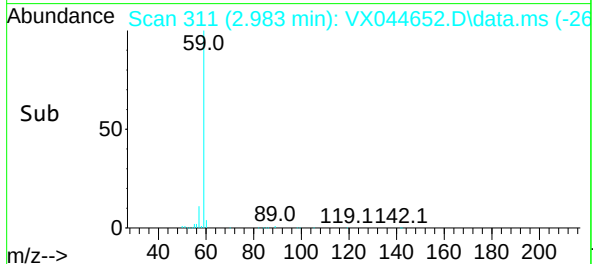
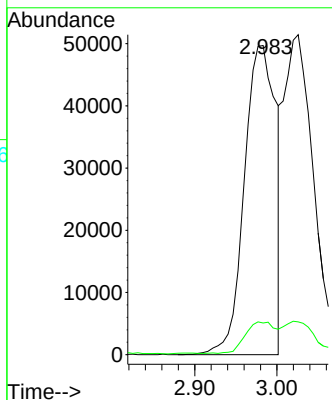
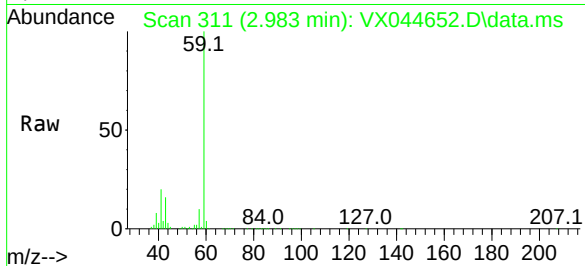




#11
Tert butyl alcohol
Concen: 231.012 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

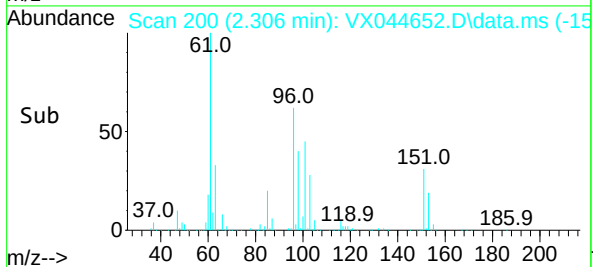
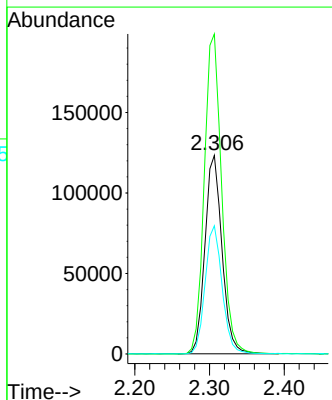
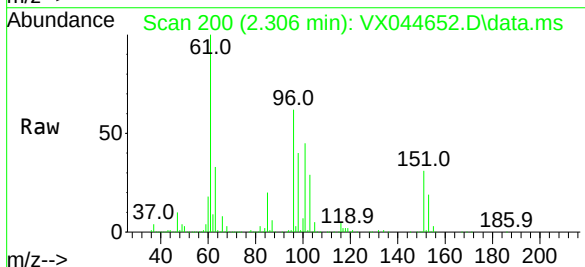
Instrument :
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ClientSampleId :
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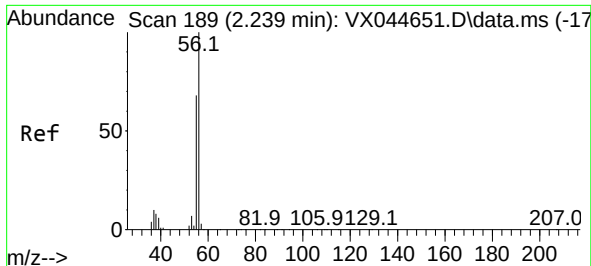
Tgt Ion: 59 Resp: 132596
Ion Ratio Lower Upper
59 100
57 9.8 3.9 5.9#



#12
1,1-Dichloroethene
Concen: 97.570 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 96 Resp: 194870
Ion Ratio Lower Upper
96 100
61 161.3 131.1 196.7
98 64.6 51.2 76.8

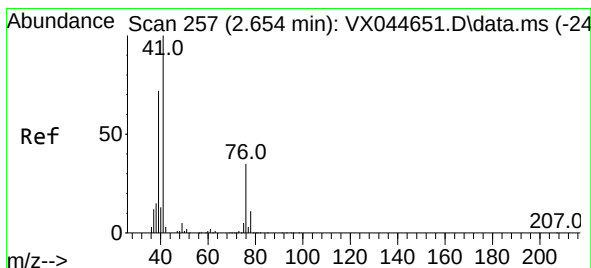
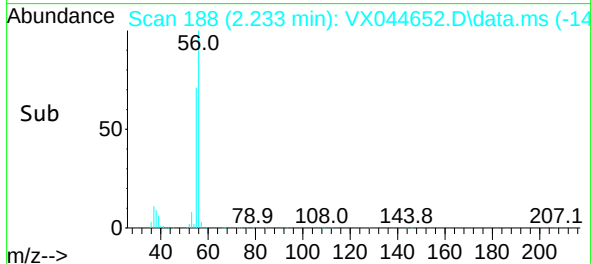
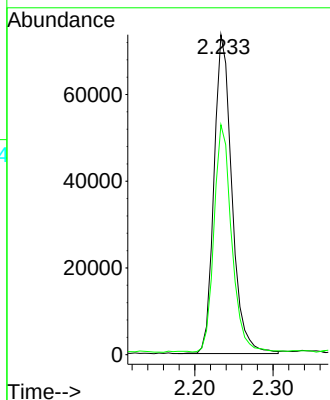
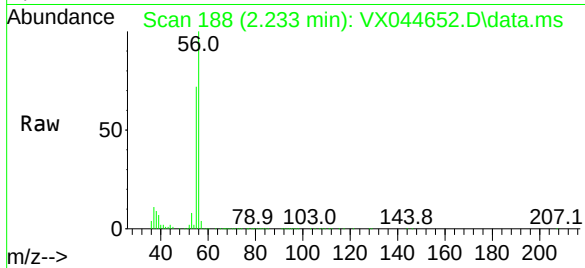




#13
Acrolein
Concen: 432.534 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

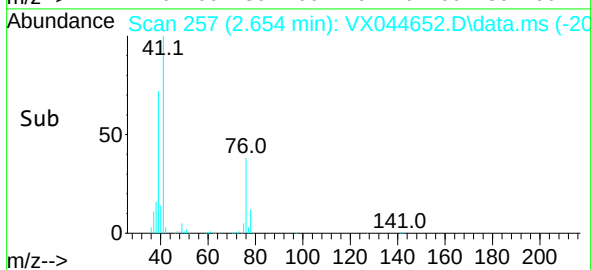
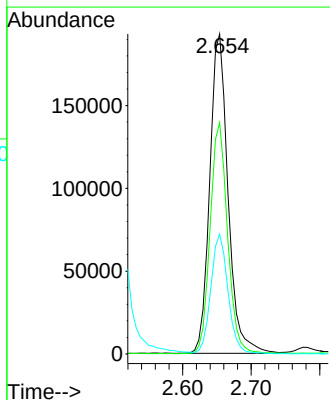
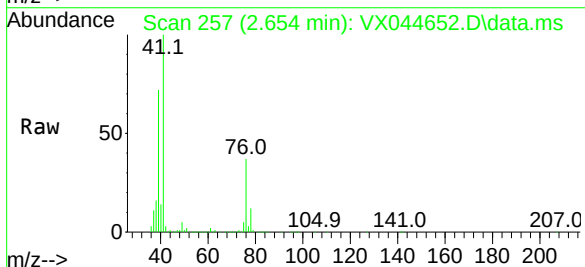
Instrument :
MSVOA_X
ClientSampleId :
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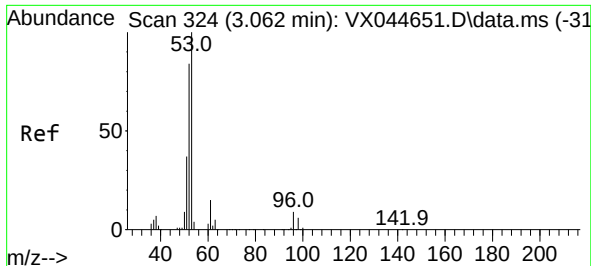
Tgt Ion: 56 Resp: 116830
Ion Ratio Lower Upper
56 100
55 70.2 55.1 82.7



#14
Allyl chloride
Concen: 92.162 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 41 Resp: 358388
Ion Ratio Lower Upper
41 100
39 68.7 54.9 82.3
76 35.1 28.4 42.6

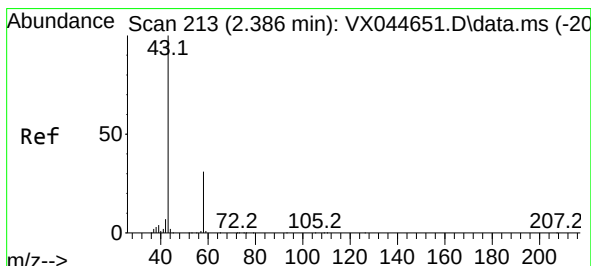
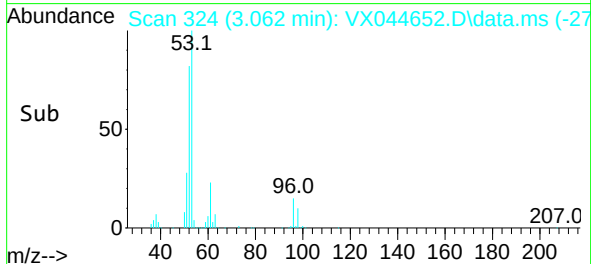
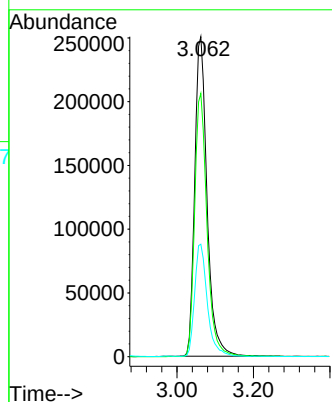
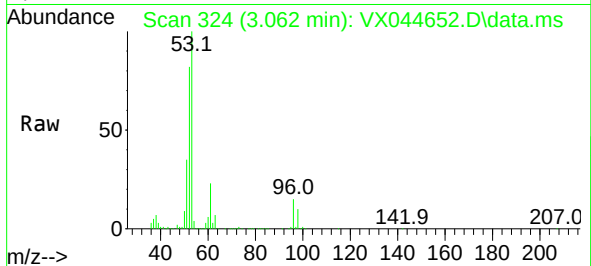




#15
Acrylonitrile
Concen: 498.179 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

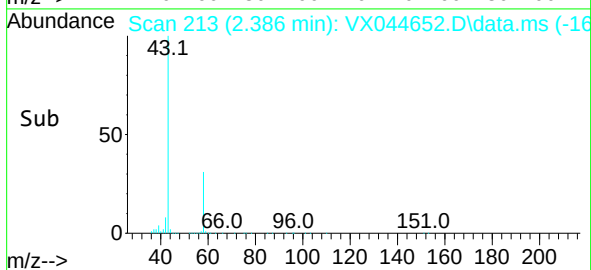
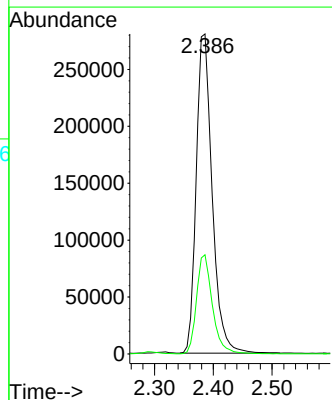
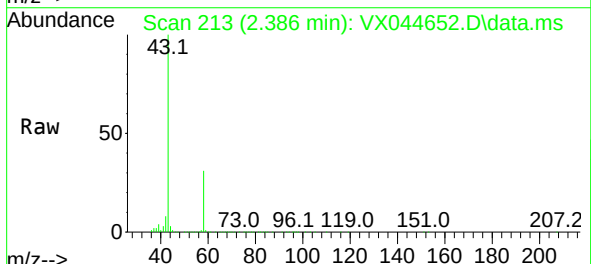
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

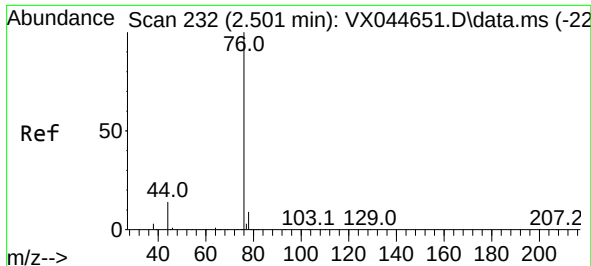
Tgt Ion: 53 Resp: 560841
Ion Ratio Lower Upper
53 100
52 82.7 66.0 99.0
51 36.1 28.9 43.3



#16
Acetone
Concen: 518.081 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 43 Resp: 527741
Ion Ratio Lower Upper
43 100
58 31.0 24.6 37.0

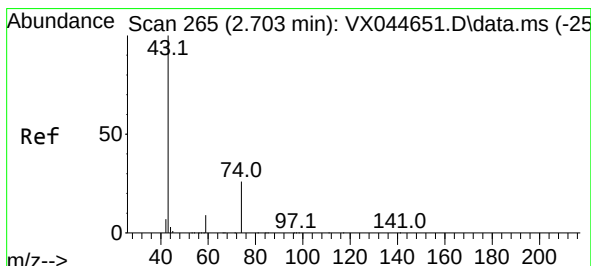
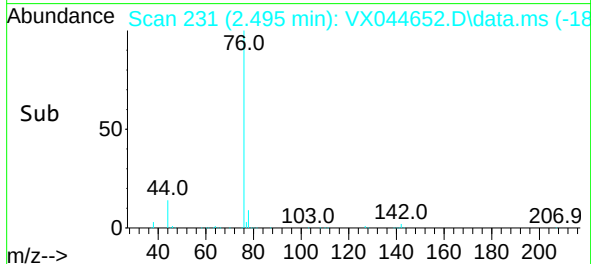
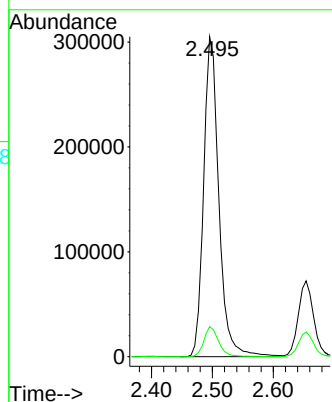
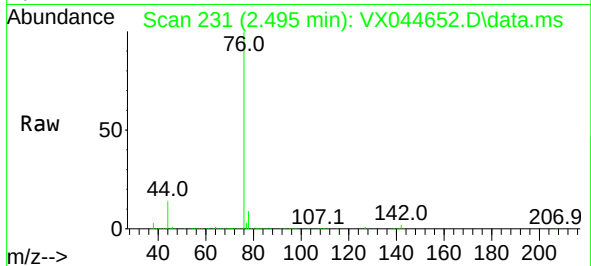




#17
Carbon Disulfide
Concen: 97.144 ug/l
RT: 2.495 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

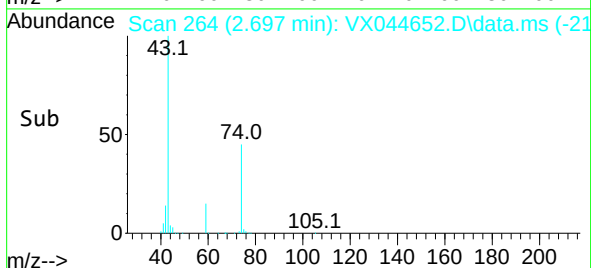
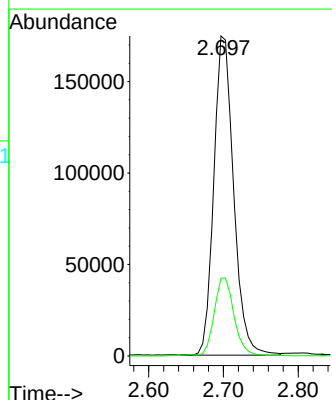
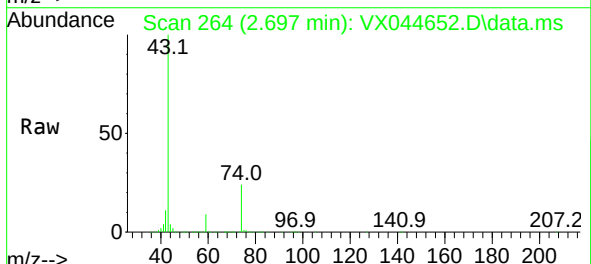
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

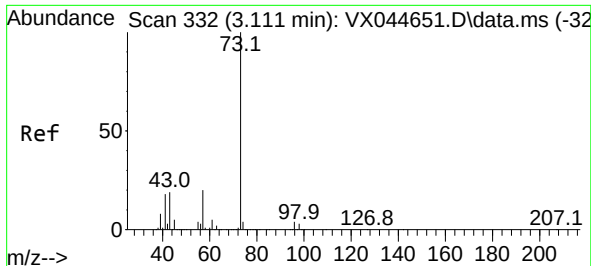
Tgt Ion: 76 Resp: 529418
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 102.235 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 43 Resp: 321291
Ion Ratio Lower Upper
43 100
74 25.1 19.8 29.8





#19

Methyl tert-butyl Ether

Concen: 94.245 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

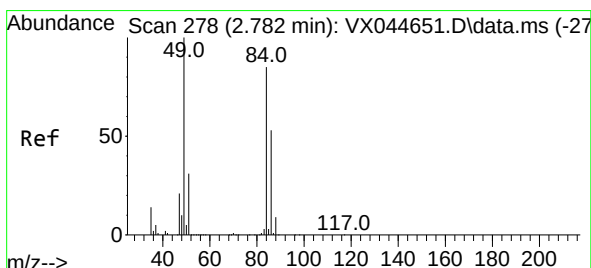
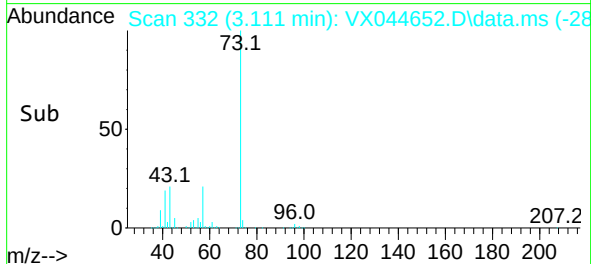
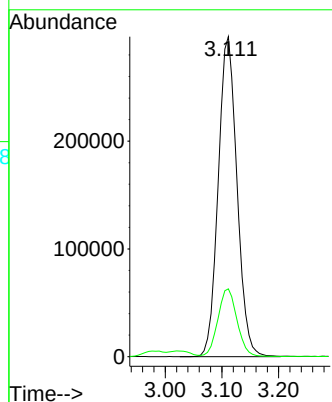
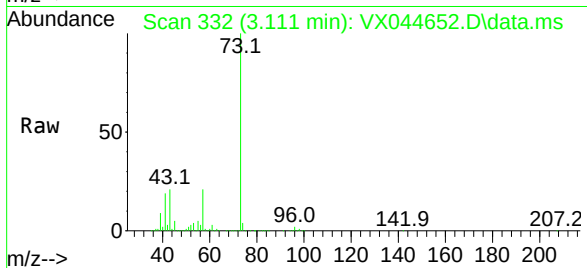
VSTDICC100

Tgt Ion: 73 Resp: 681776

Ion Ratio Lower Upper

73 100

57 21.1 17.4 26.0



#20

Methylene Chloride

Concen: 91.100 ug/l

RT: 2.776 min Scan# 277

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Tgt Ion: 84 Resp: 216105

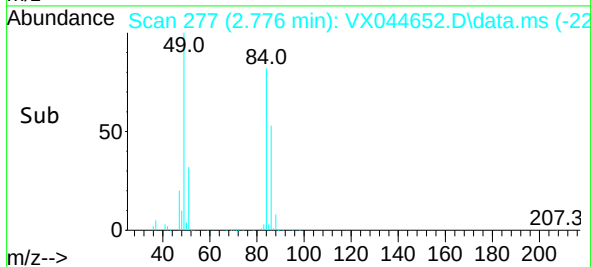
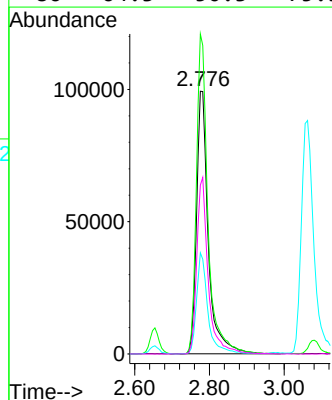
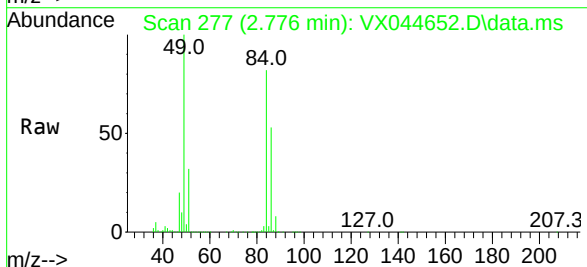
Ion Ratio Lower Upper

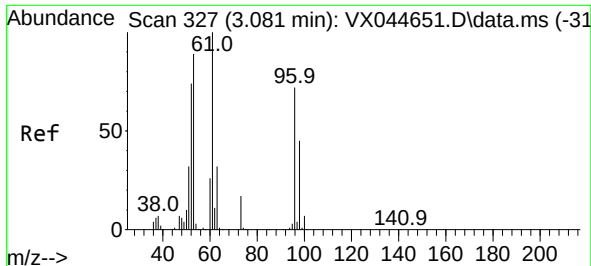
84 100

49 121.9 94.2 141.4

51 38.4 28.8 43.2

86 64.3 50.3 75.5

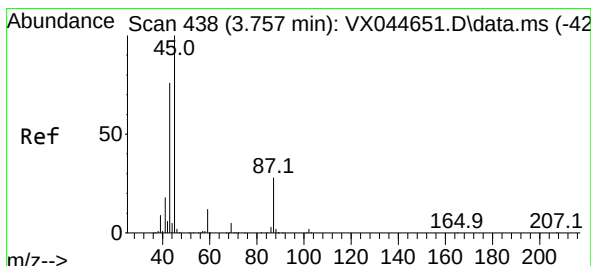
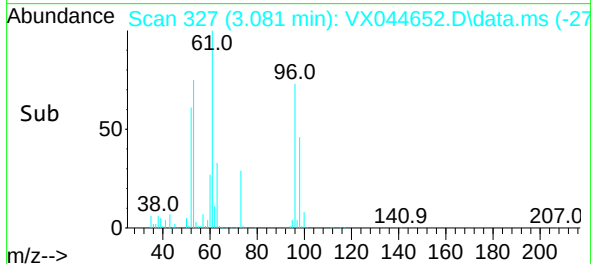
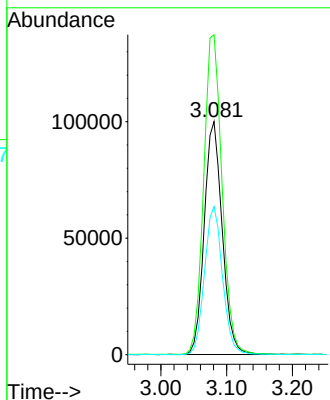
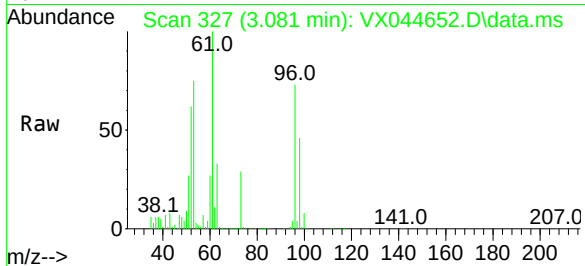




#21
trans-1,2-Dichloroethene
Concen: 91.400 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

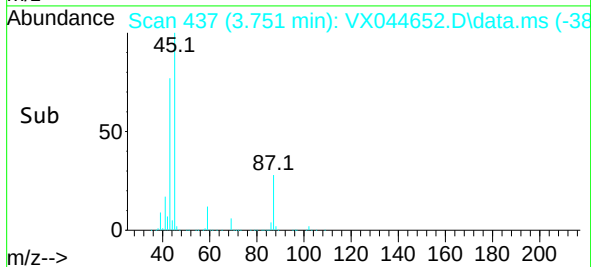
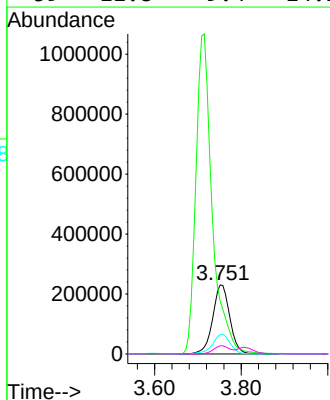
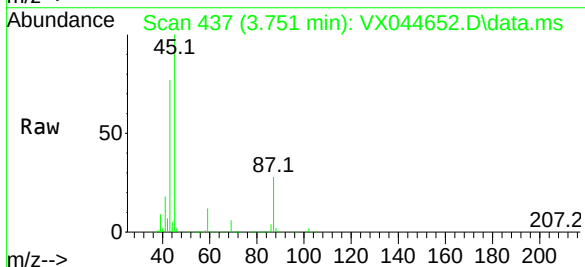
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

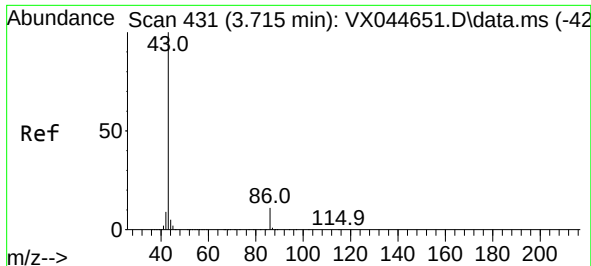
Tgt Ion: 96 Resp: 190588
Ion Ratio Lower Upper
96 100
61 137.2 111.0 166.6
98 63.6 50.2 75.2



#22
Diisopropyl ether
Concen: 93.579 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 45 Resp: 632562
Ion Ratio Lower Upper
45 100
43 76.7 61.0 91.6
87 28.0 22.7 34.1
59 11.8 9.4 14.2

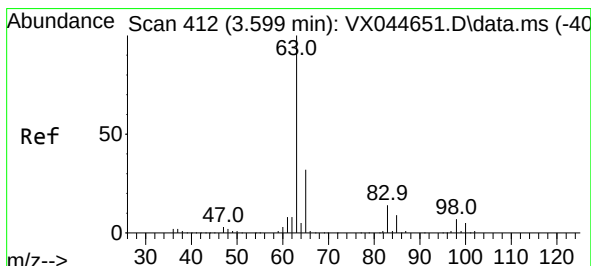
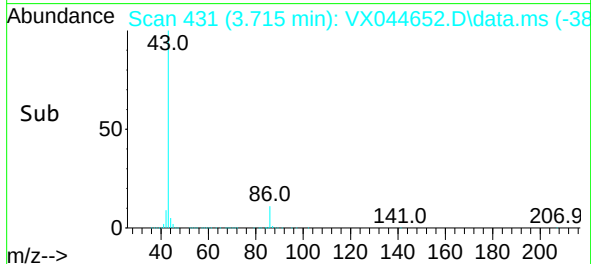
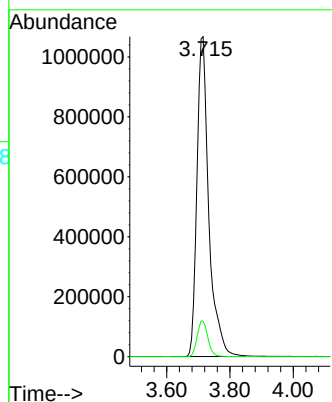
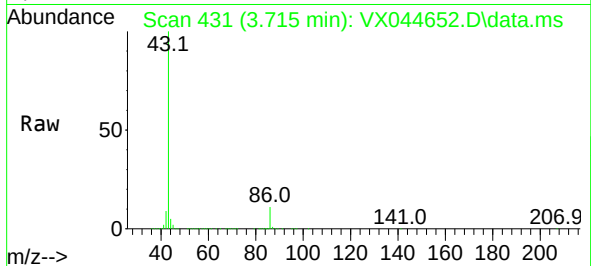




#23
 Vinyl Acetate
 Concen: 471.863 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX044652.D
 Acq: 15 Jan 2025 13:14

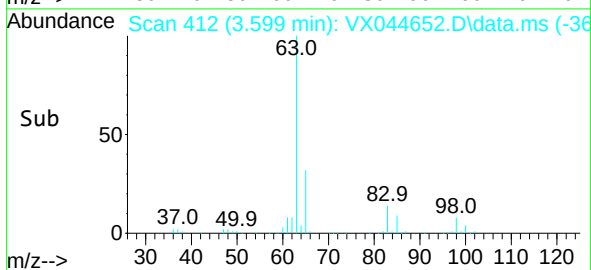
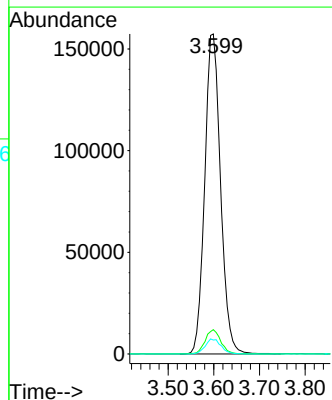
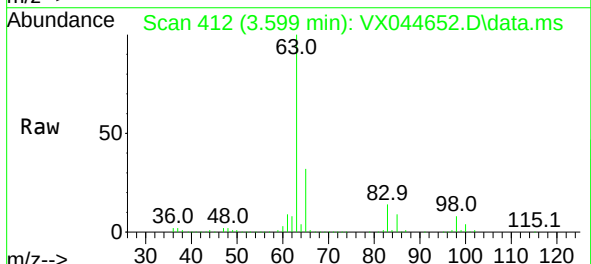
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

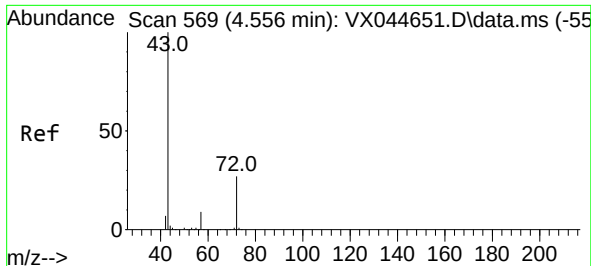
Tgt Ion: 43 Resp: 2791754
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 94.530 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. 0.000 min
 Lab File: VX044652.D
 Acq: 15 Jan 2025 13:14

Tgt Ion: 63 Resp: 378924
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.6 10.9
 100 4.4 2.5 7.5

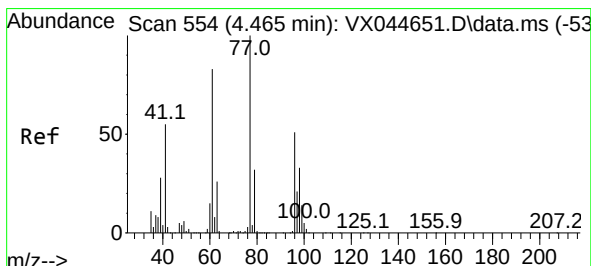
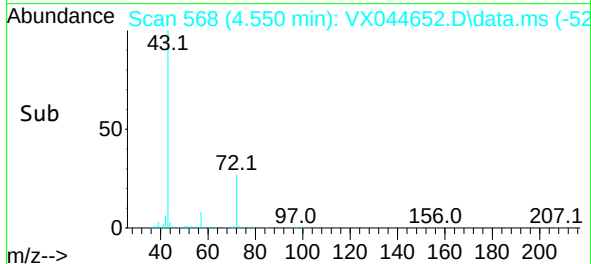
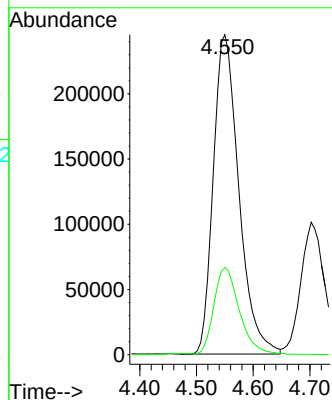
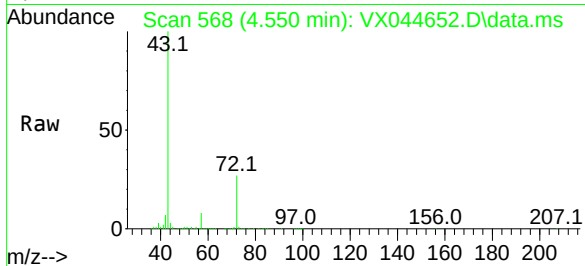




#25
2-Butanone
Concen: 505.435 ug/l
RT: 4.550 min Scan# 505
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

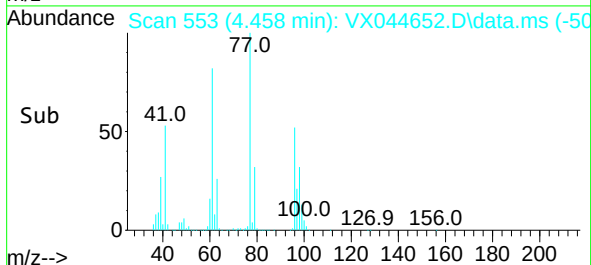
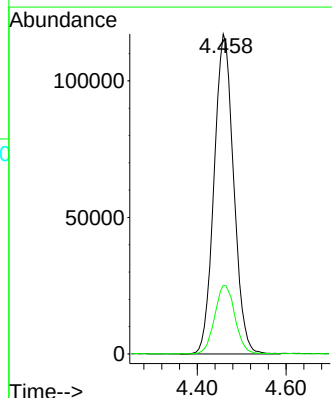
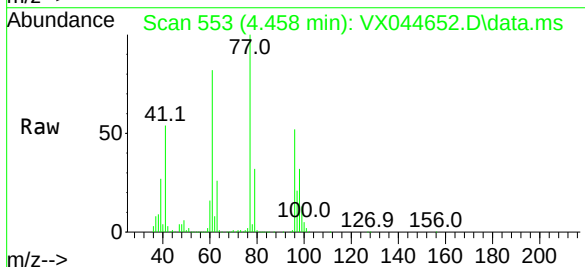
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

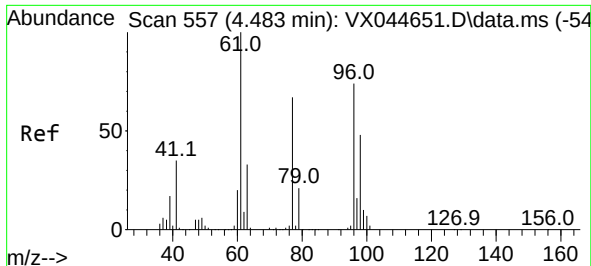
Tgt Ion: 43 Resp: 765500
Ion Ratio Lower Upper
43 100
72 26.9 21.7 32.5



#26
2,2-Dichloropropane
Concen: 92.064 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 77 Resp: 357666
Ion Ratio Lower Upper
77 100
97 22.0 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 91.559 ug/l

RT: 4.471 min Scan# 51

Delta R.T. -0.012 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

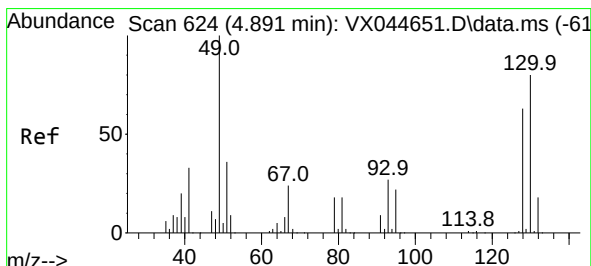
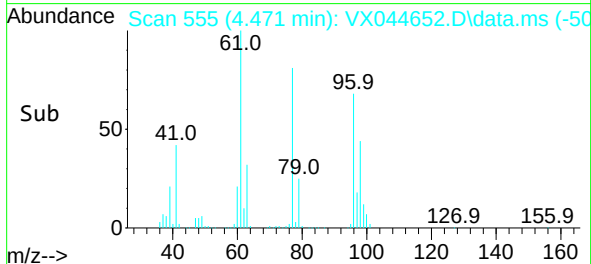
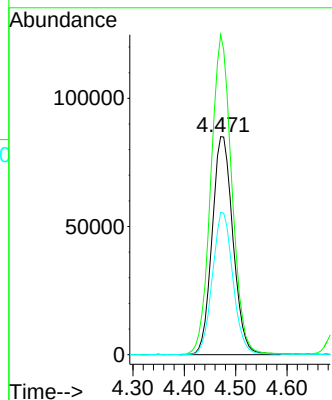
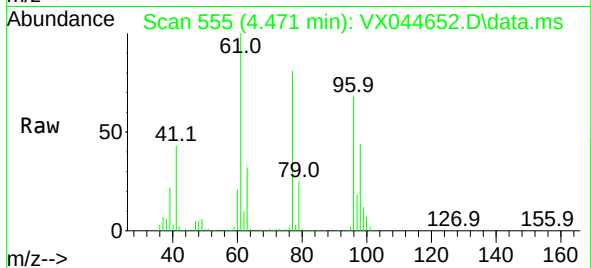
Tgt Ion: 96 Resp: 240149

Ion Ratio Lower Upper

96 100

61 147.5 0.0 296.0

98 64.4 0.0 130.0



#28

Bromochloromethane

Concen: 96.041 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

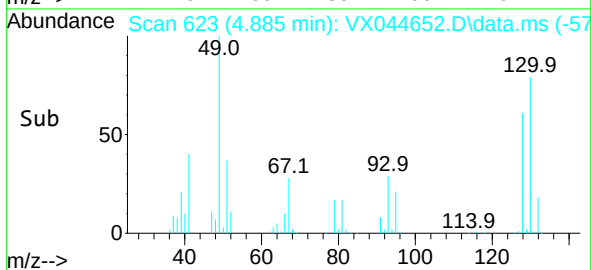
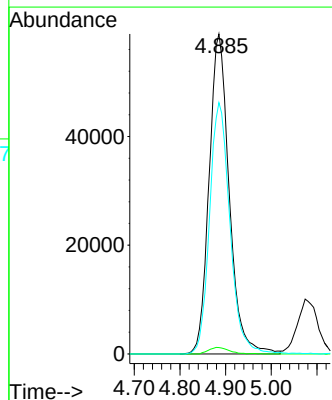
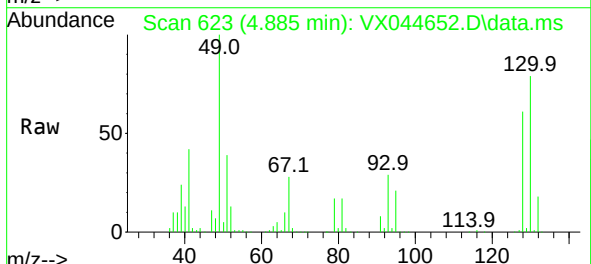
Tgt Ion: 49 Resp: 179896

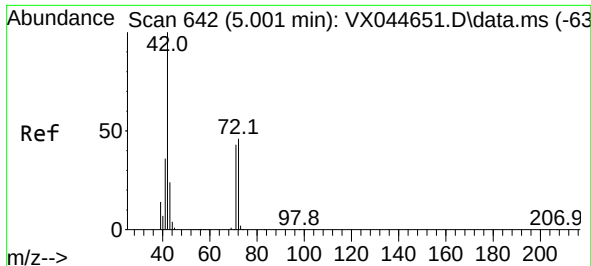
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

130 79.6 63.4 95.2





#29

Tetrahydrofuran

Concen: 488.500 ug/l

RT: 4.995 min Scan# 641

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

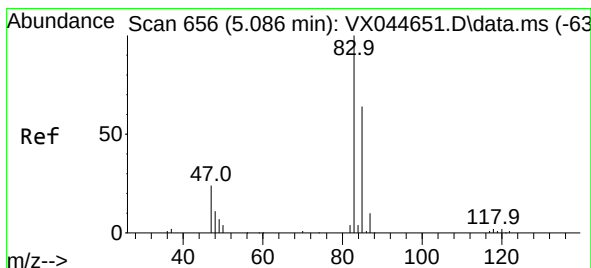
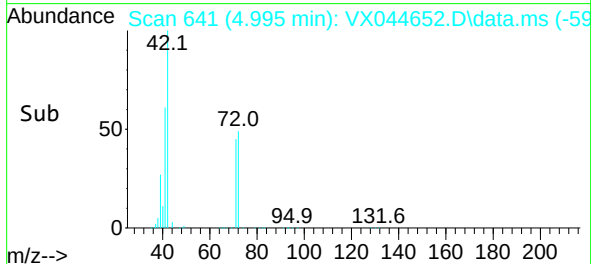
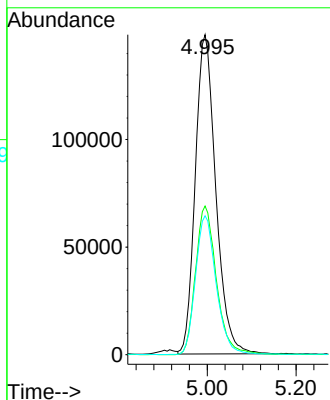
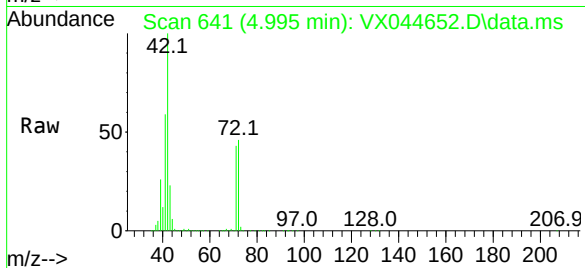
Tgt Ion: 42 Resp: 477227

Ion Ratio Lower Upper

42 100

72 47.6 38.2 57.4

71 43.9 35.3 52.9



#30

Chloroform

Concen: 92.373 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX044652.D

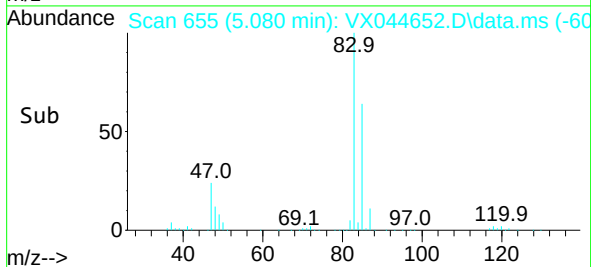
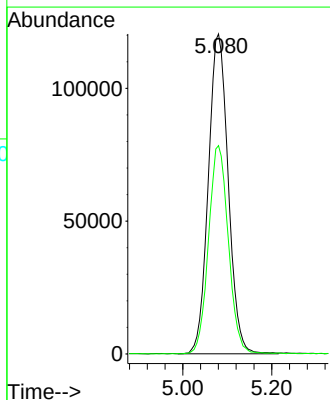
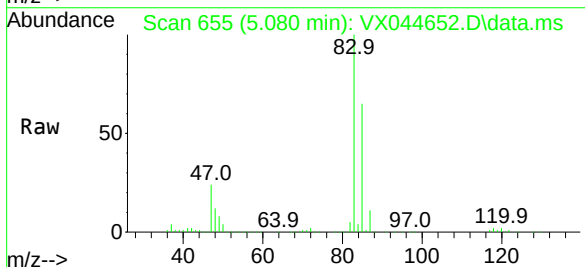
Acq: 15 Jan 2025 13:14

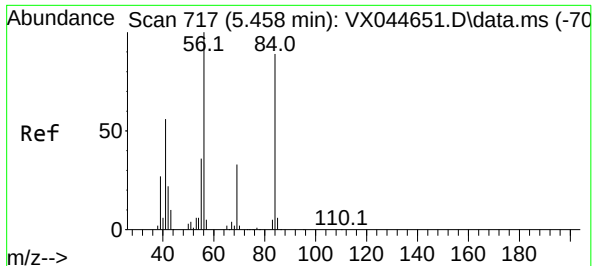
Tgt Ion: 83 Resp: 373681

Ion Ratio Lower Upper

83 100

85 65.1 51.2 76.8

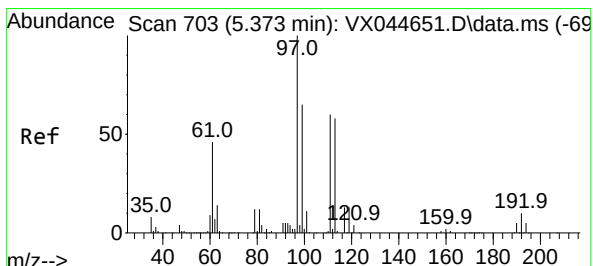
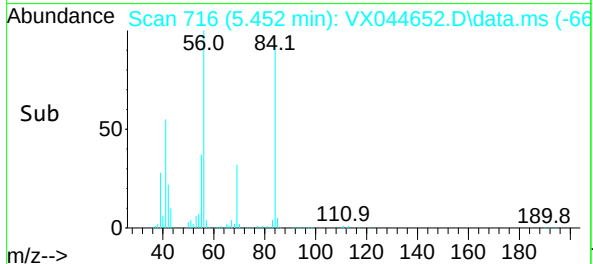
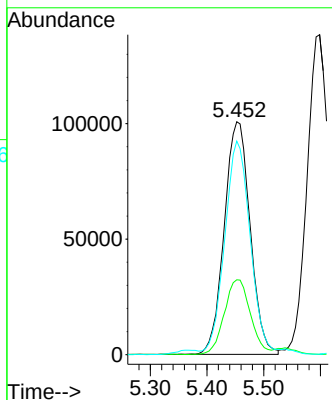
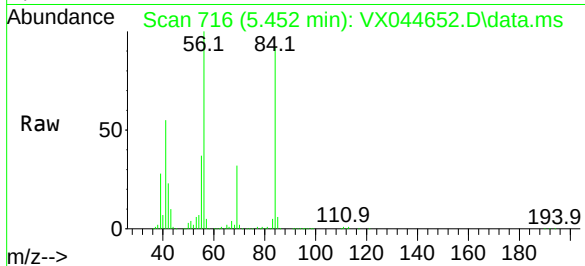




#31
Cyclohexane
Concen: 98.436 ug/l
RT: 5.452 min Scan# 716
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

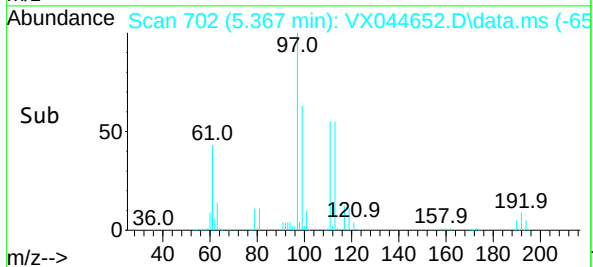
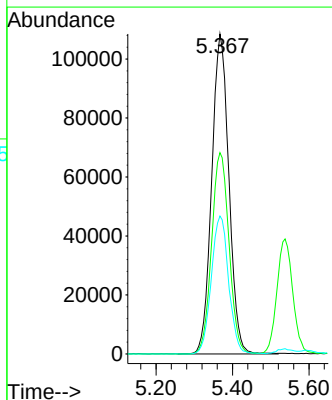
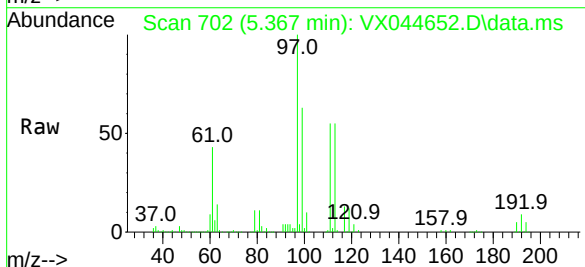
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

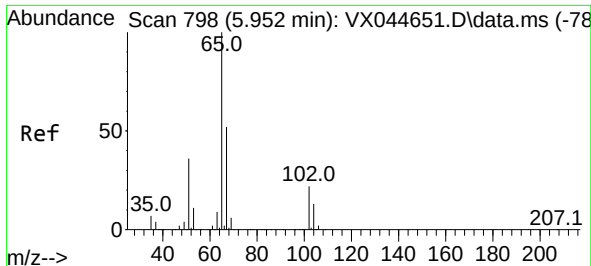
Tgt Ion: 56 Resp: 319131
Ion Ratio Lower Upper
56 100
69 32.0 26.8 40.2
84 90.6 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 90.918 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 97 Resp: 338119
Ion Ratio Lower Upper
97 100
99 63.8 51.6 77.4
61 43.6 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 91.349 ug/l

RT: 5.940 min Scan# 798

Delta R.T. -0.012 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

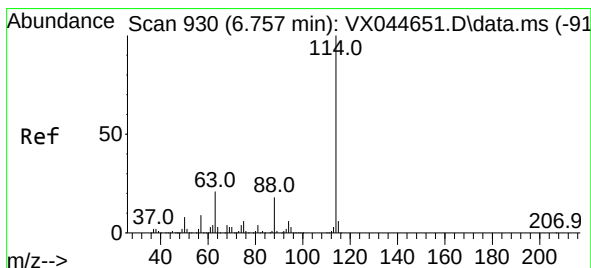
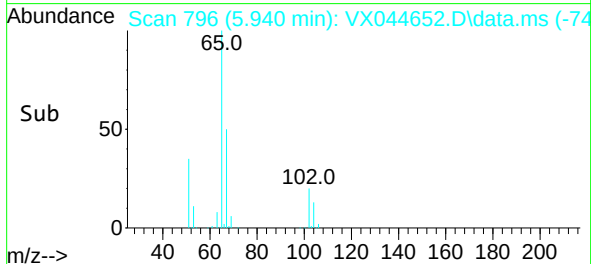
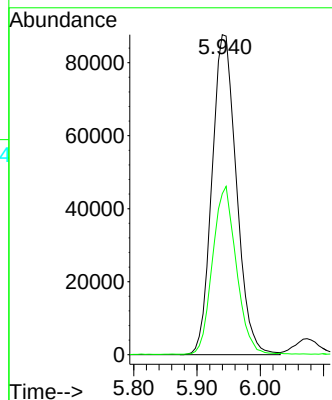
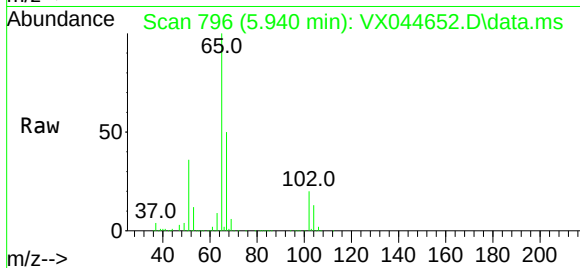
VSTDIC100

Tgt Ion: 65 Resp: 235193

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

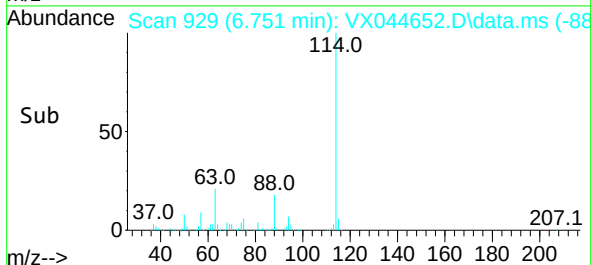
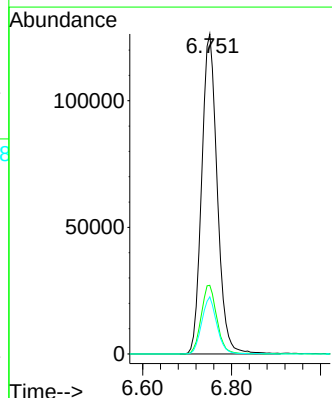
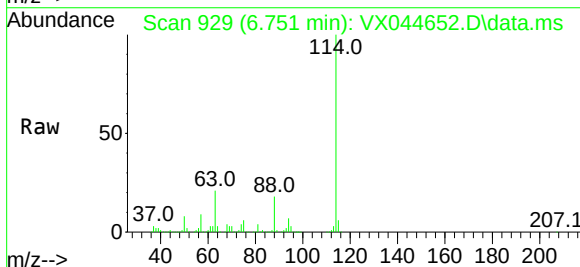
Tgt Ion: 114 Resp: 308450

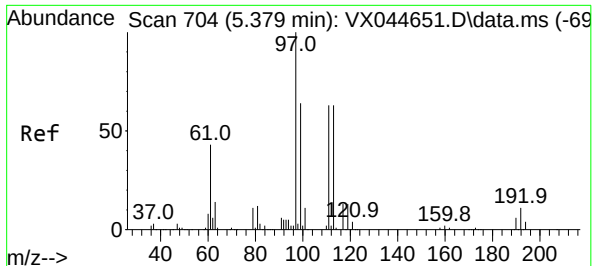
Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.0

88 17.8 0.0 35.4

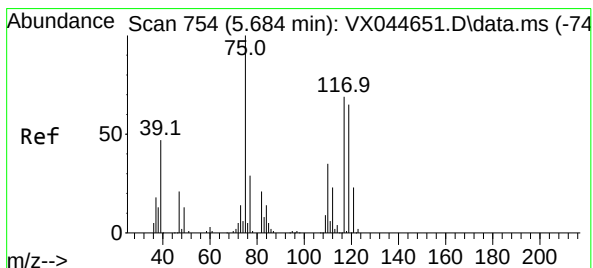
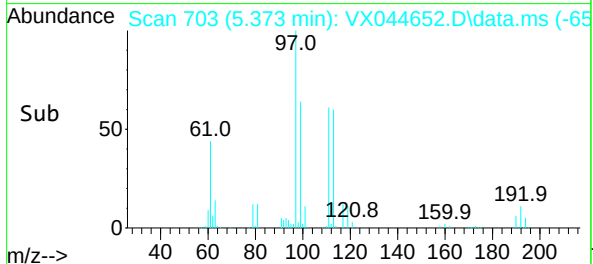
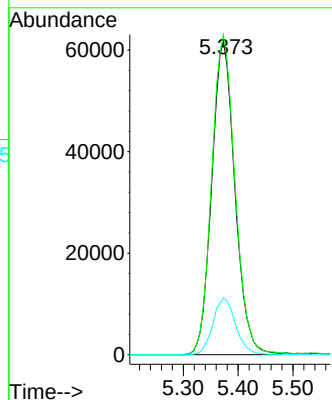
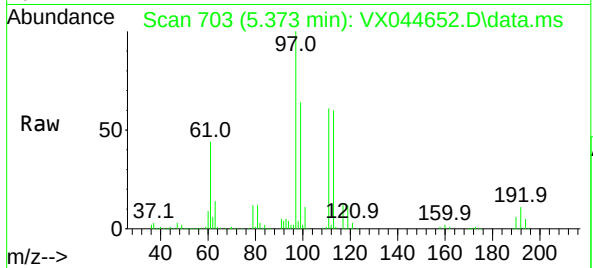




#35
 Dibromofluoromethane
 Concen: 92.374 ug/l
 RT: 5.373 min Scan# 704
 Delta R.T. -0.006 min
 Lab File: VX044652.D
 Acq: 15 Jan 2025 13:14

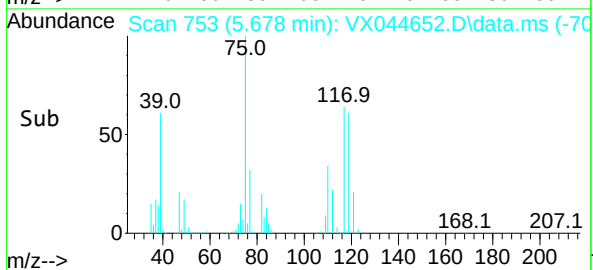
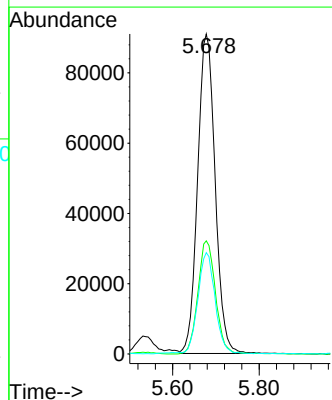
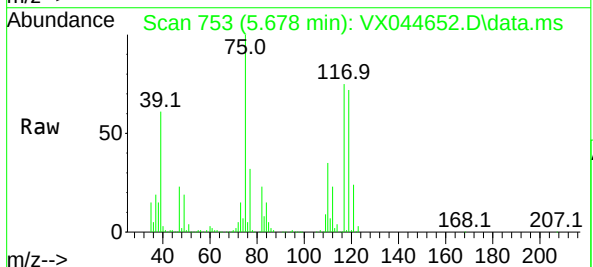
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

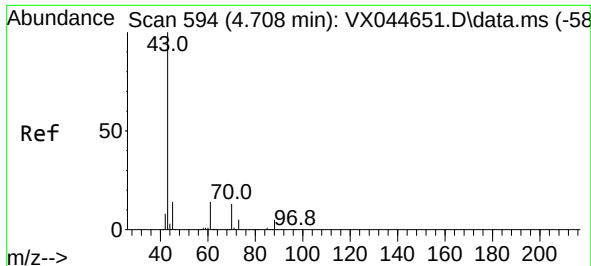
Tgt Ion:113 Resp: 181010
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.6 122.4
 192 17.8 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 93.746 ug/l
 RT: 5.678 min Scan# 753
 Delta R.T. -0.006 min
 Lab File: VX044652.D
 Acq: 15 Jan 2025 13:14

Tgt Ion: 75 Resp: 255714
 Ion Ratio Lower Upper
 75 100
 110 35.5 17.9 53.8
 77 30.9 24.5 36.7

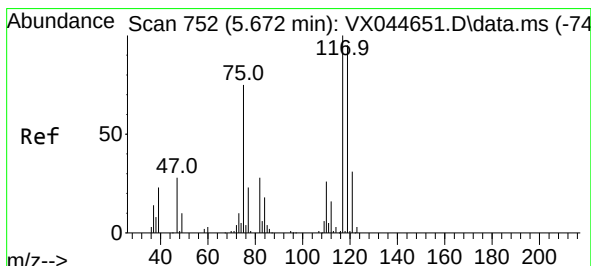
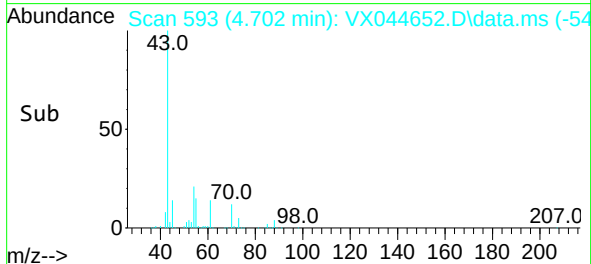
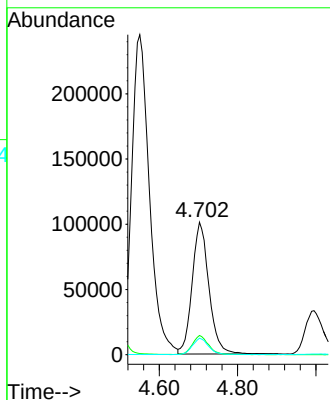
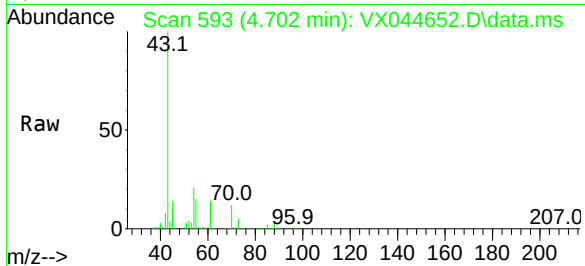




#37
Ethyl Acetate
Concen: 103.517 ug/l
RT: 4.702 min Scan# 593
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

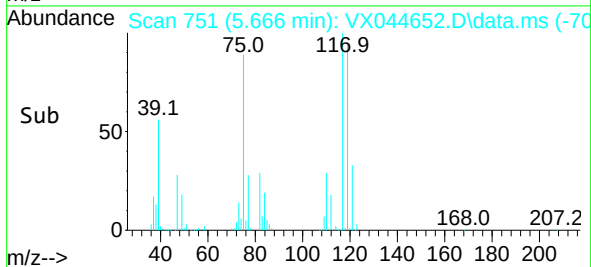
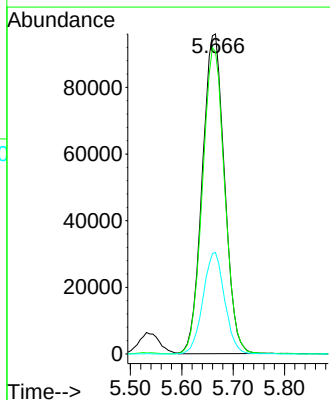
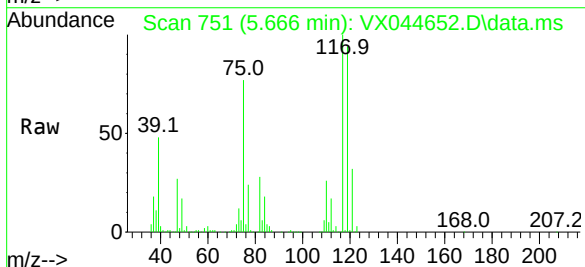
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

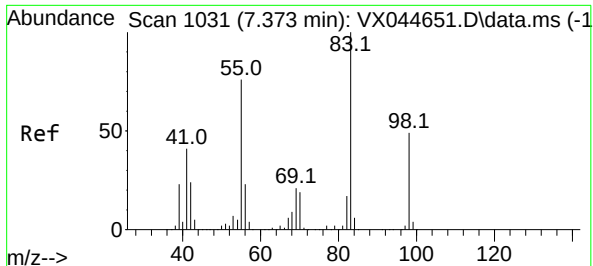
Tgt Ion: 43 Resp: 300700
Ion Ratio Lower Upper
43 100
61 13.6 10.9 16.3
70 12.0 10.1 15.1



#38
Carbon Tetrachloride
Concen: 93.555 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 117 Resp: 287048
Ion Ratio Lower Upper
117 100
119 94.5 76.0 114.0
121 31.7 24.6 36.8





#39

Methylcyclohexane

Concen: 99.352 ug/l

RT: 7.367 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

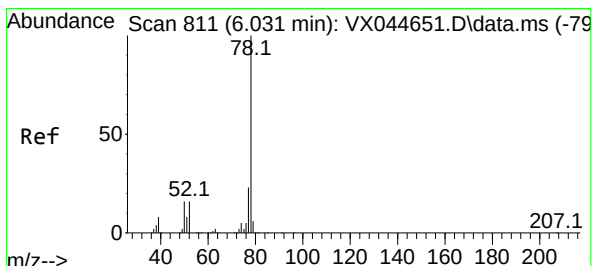
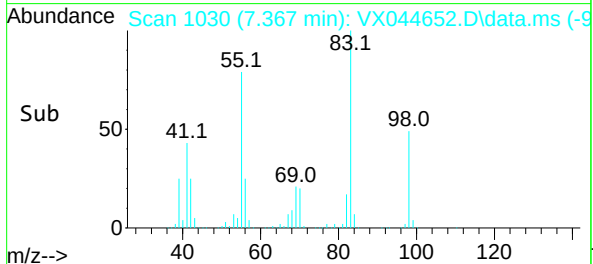
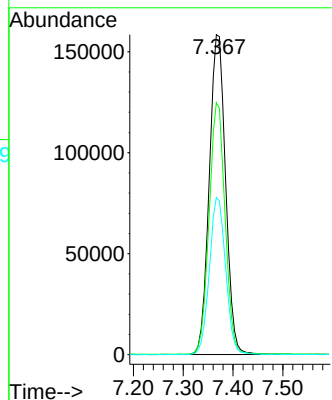
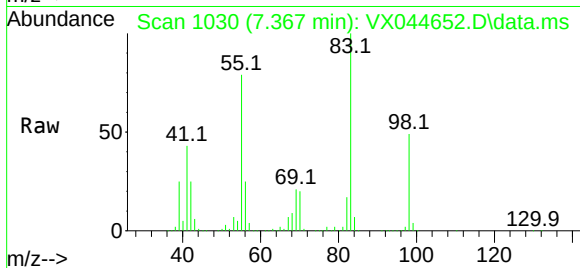
Tgt Ion: 83 Resp: 359758

Ion Ratio Lower Upper

83 100

55 78.5 60.5 90.7

98 49.1 39.0 58.4



#40

Benzene

Concen: 92.946 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX044652.D

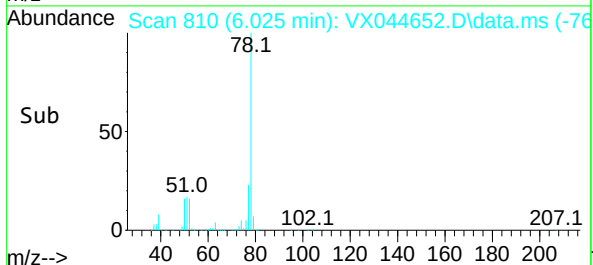
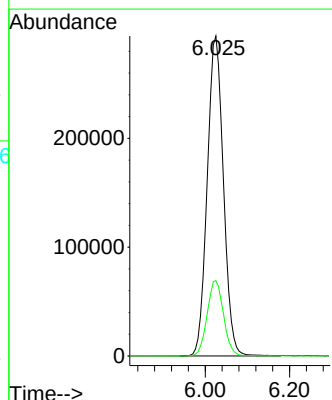
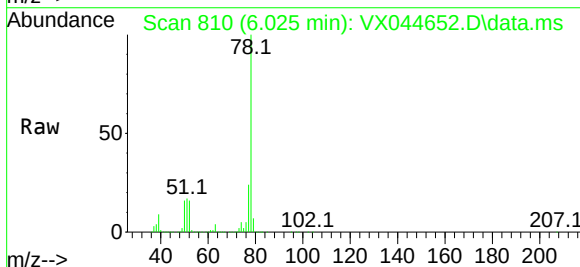
Acq: 15 Jan 2025 13:14

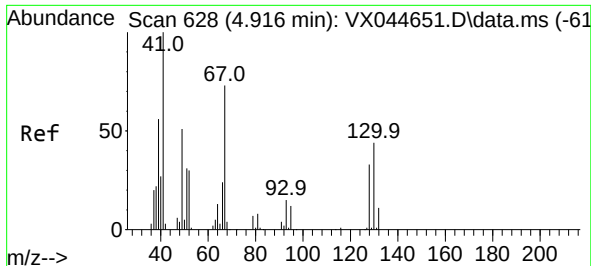
Tgt Ion: 78 Resp: 785626

Ion Ratio Lower Upper

78 100

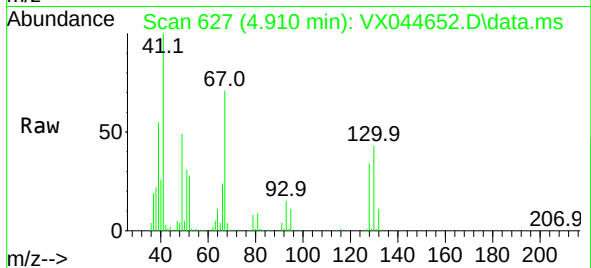
77 23.5 18.7 28.1



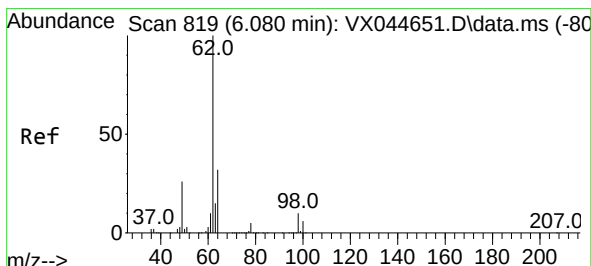
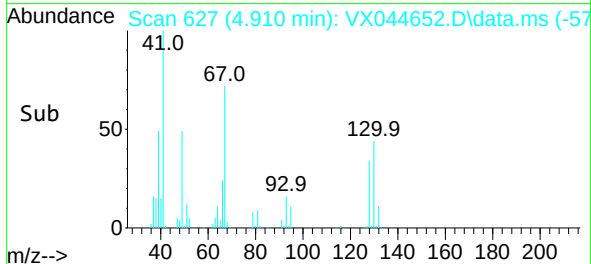
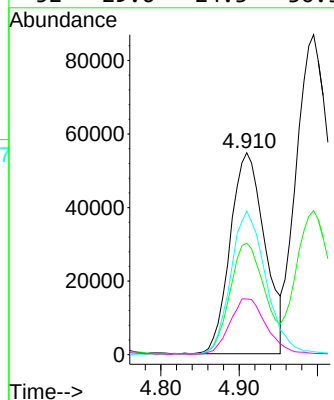


#41
Methacrylonitrile
Concen: 99.535 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

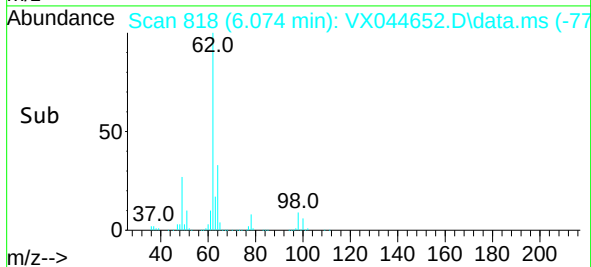
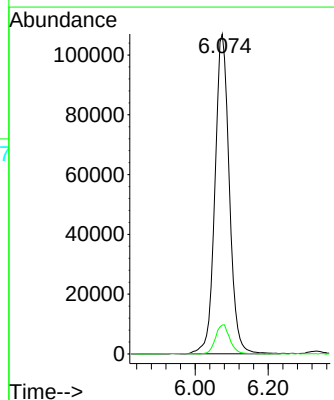
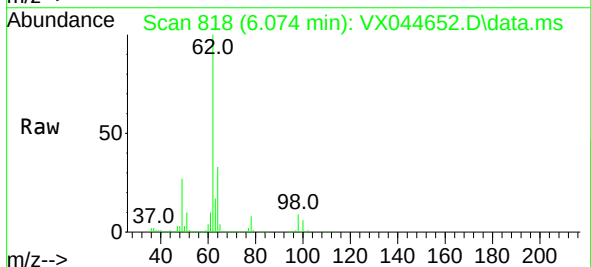


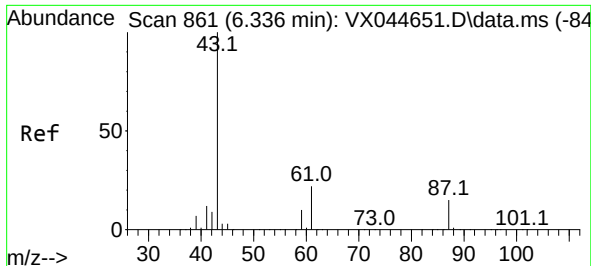
Tgt Ion: 41 Resp: 168481
Ion Ratio Lower Upper
41 100
39 55.5 44.4 66.6
67 73.0 60.6 90.8
52 29.6 24.3 36.5



#42
1,2-Dichloroethane
Concen: 94.663 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 62 Resp: 292036
Ion Ratio Lower Upper
62 100
98 9.2 0.0 19.4

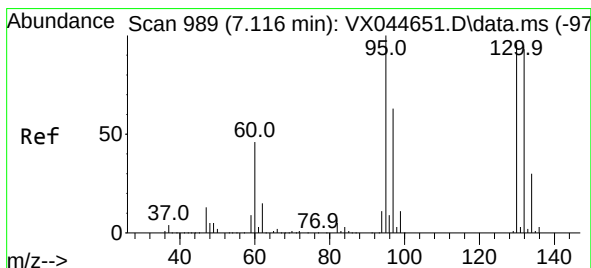
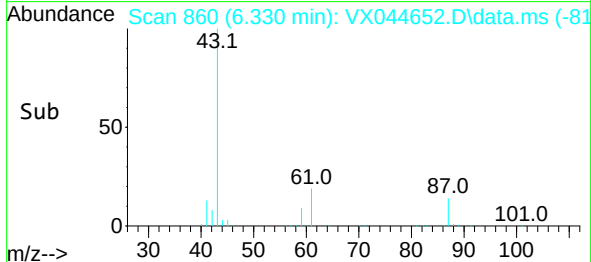
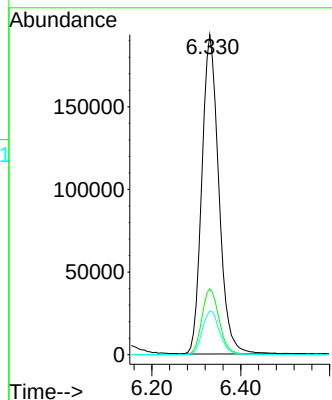
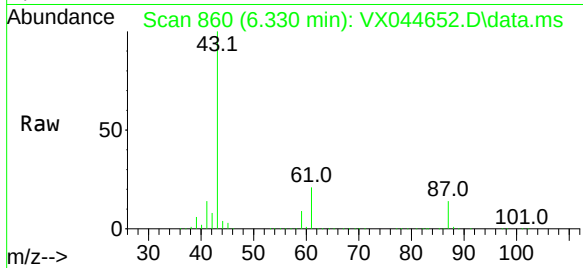




#43
Isopropyl Acetate
Concen: 95.925 ug/l
RT: 6.330 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

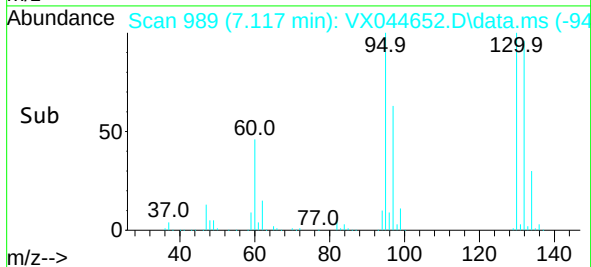
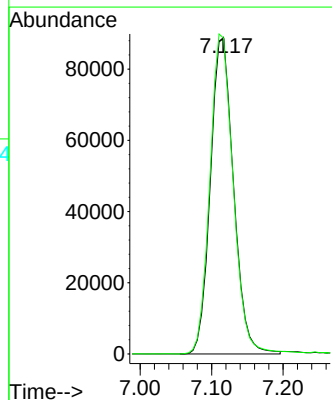
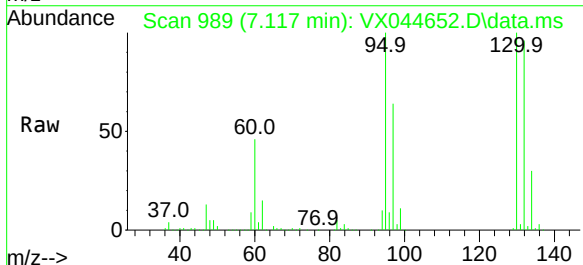
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

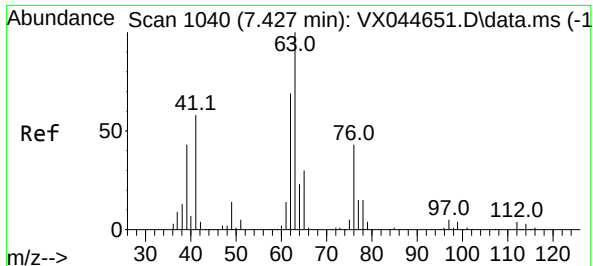
Tgt Ion: 43 Resp: 512598
Ion Ratio Lower Upper
43 100
61 21.1 16.6 24.8
87 14.0 11.0 16.6



#44
Trichloroethene
Concen: 98.212 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:130 Resp: 199570
Ion Ratio Lower Upper
130 100
95 99.7 0.0 208.2





#45

1,2-Dichloropropane

Concen: 94.413 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

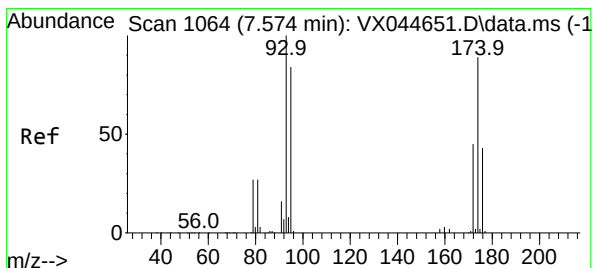
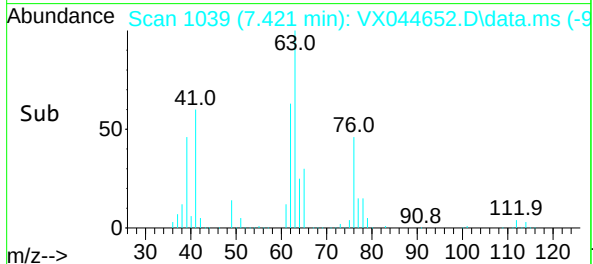
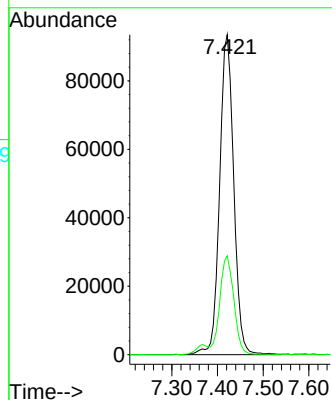
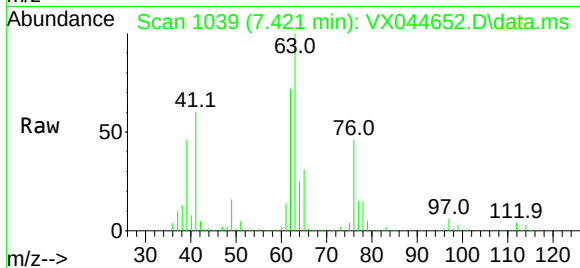
VSTDIC100

Tgt Ion: 63 Resp: 200877

Ion Ratio Lower Upper

63 100

65 30.9 24.2 36.2



#46

Dibromomethane

Concen: 92.680 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

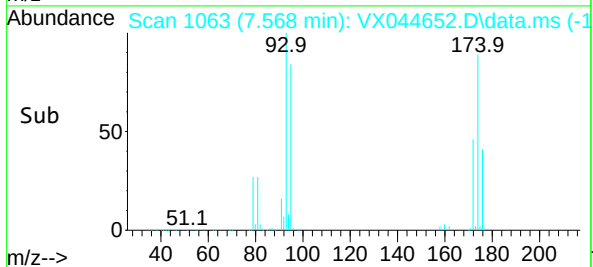
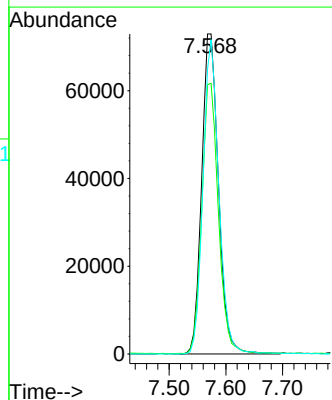
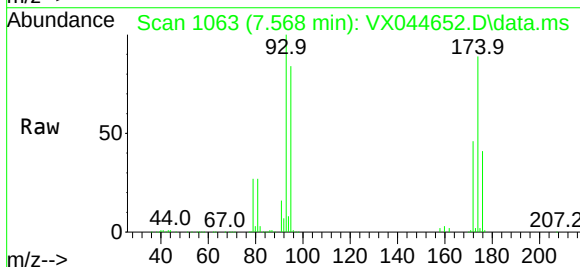
Tgt Ion: 93 Resp: 150112

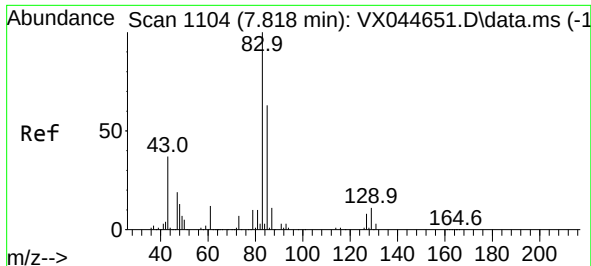
Ion Ratio Lower Upper

93 100

95 83.5 66.4 99.6

174 92.9 72.0 108.0

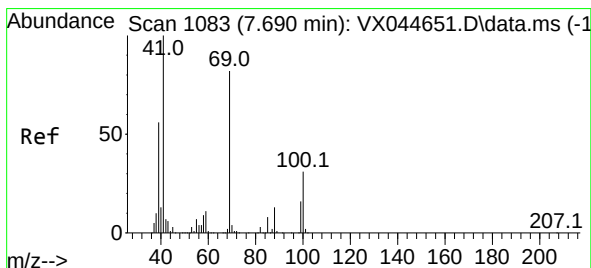
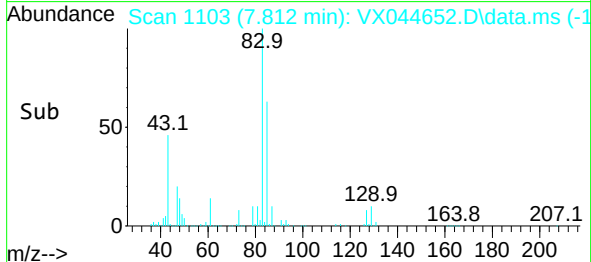
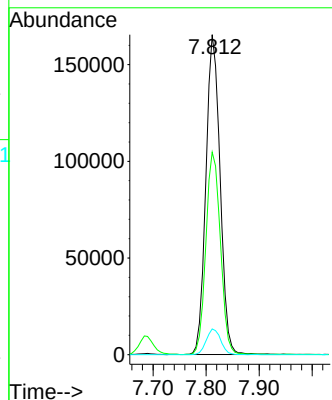
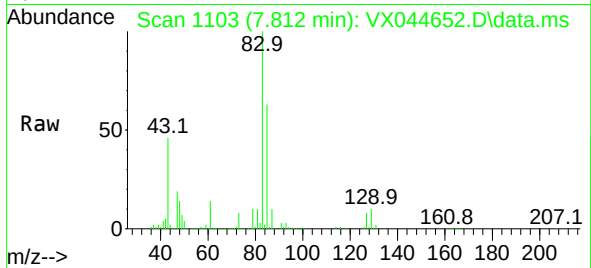




#47
Bromodichloromethane
Concen: 92.723 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

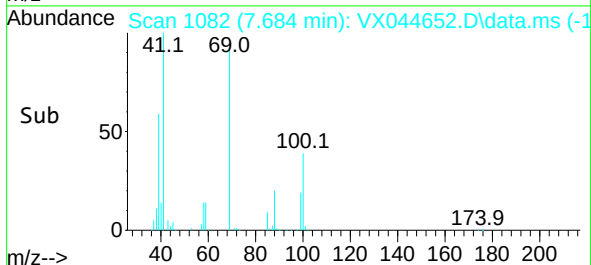
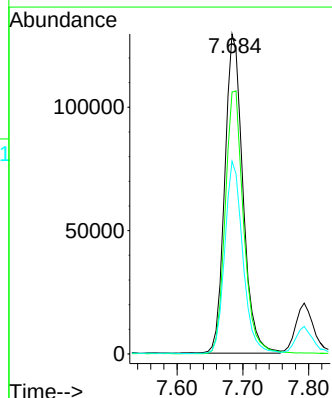
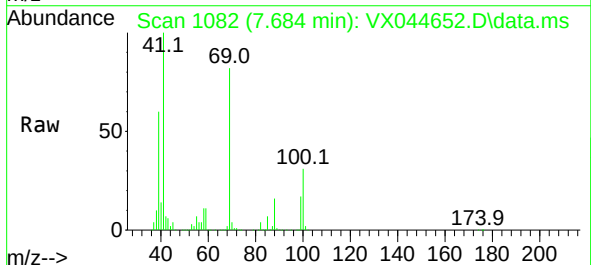
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

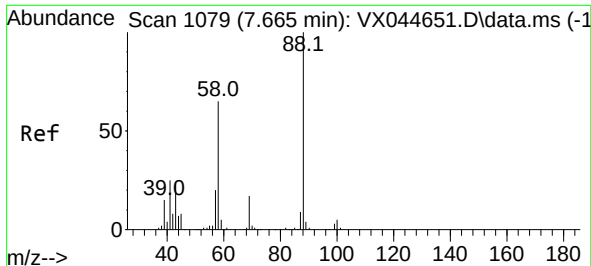
Tgt Ion: 83 Resp: 307990
Ion Ratio Lower Upper
83 100
85 63.3 50.1 75.1
127 8.0 6.5 9.7



#48
Methyl methacrylate
Concen: 100.250 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 41 Resp: 248667
Ion Ratio Lower Upper
41 100
69 83.6 66.8 100.2
39 59.8 47.4 71.0





#49

1,4-Dioxane

Concen: 1959.056 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

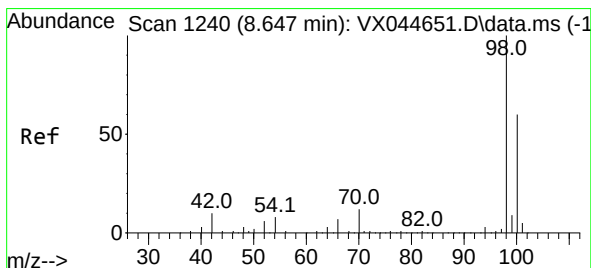
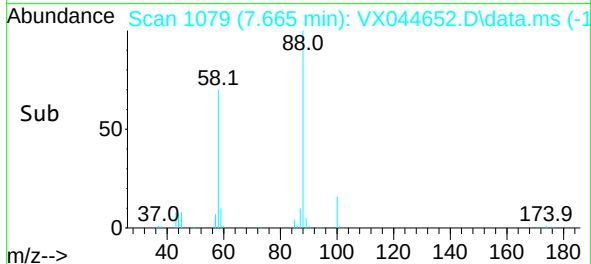
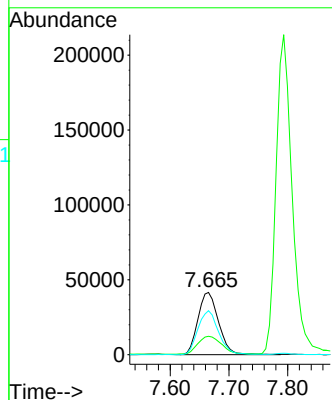
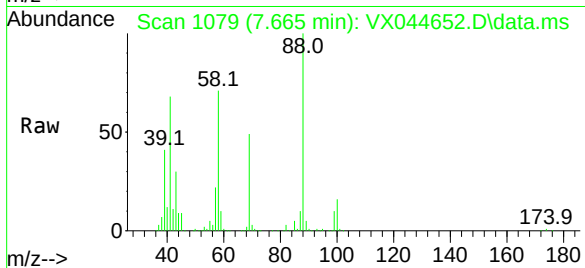
Tgt Ion: 88 Resp: 101384

Ion Ratio Lower Upper

88 100

43 33.1 27.0 40.4

58 71.0 55.8 83.8



#50

Toluene-d8

Concen: 90.404 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX044652.D

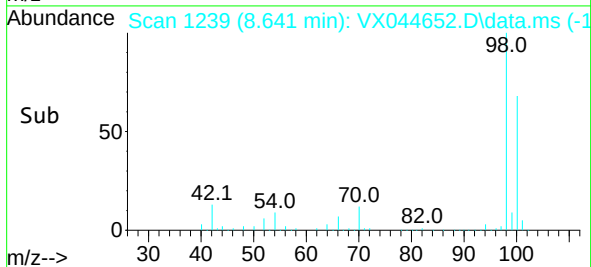
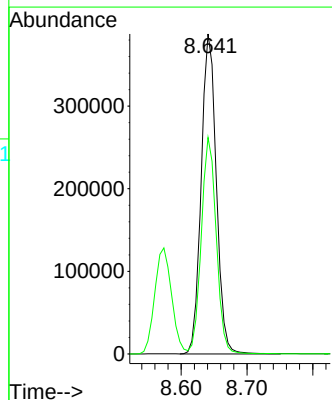
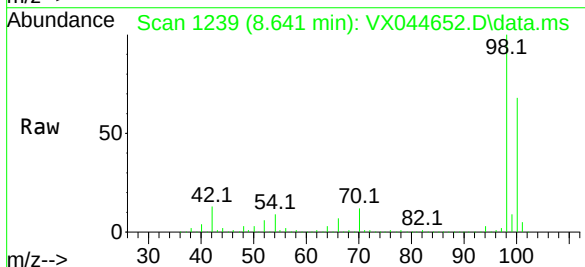
Acq: 15 Jan 2025 13:14

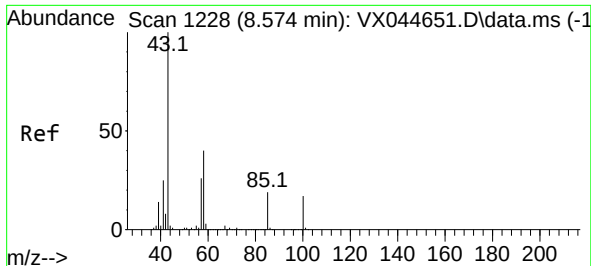
Tgt Ion: 98 Resp: 617688

Ion Ratio Lower Upper

98 100

100 66.8 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 464.897 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

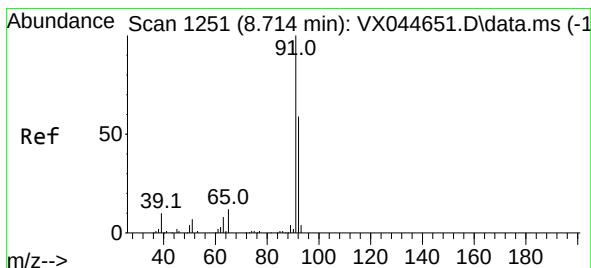
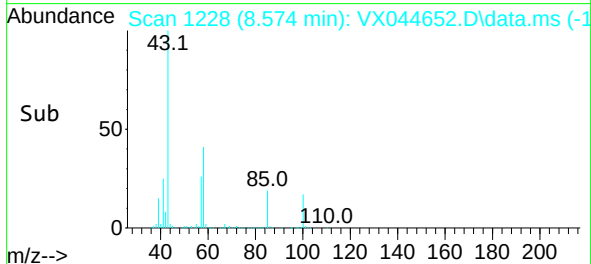
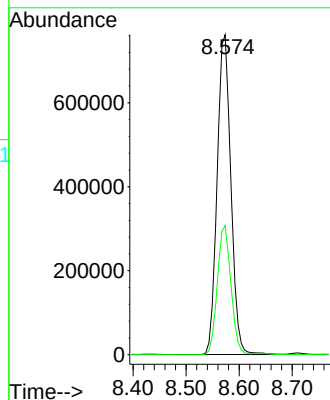
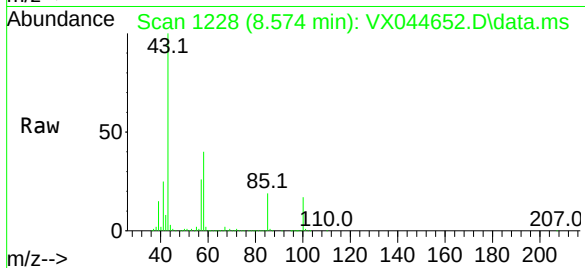
VSTDIC100

Tgt Ion: 43 Resp: 1372888

Ion Ratio Lower Upper

43 100

58 40.0 31.9 47.9



#52

Toluene

Concen: 91.697 ug/l

RT: 8.708 min Scan# 1250

Delta R.T. -0.006 min

Lab File: VX044652.D

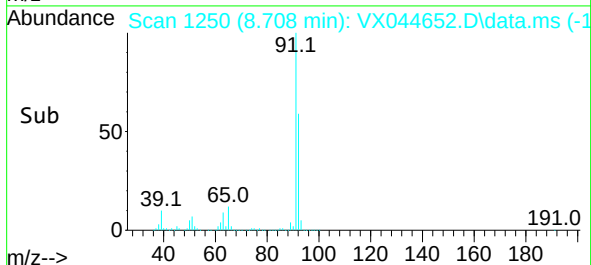
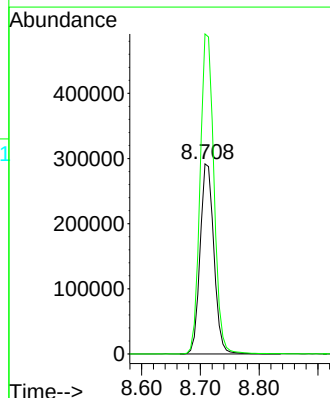
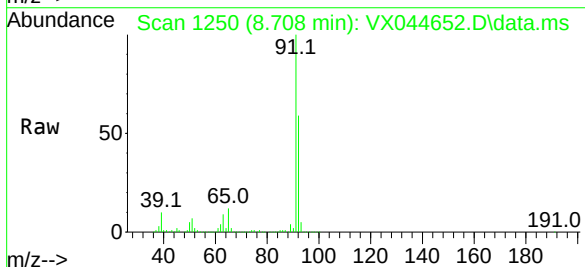
Acq: 15 Jan 2025 13:14

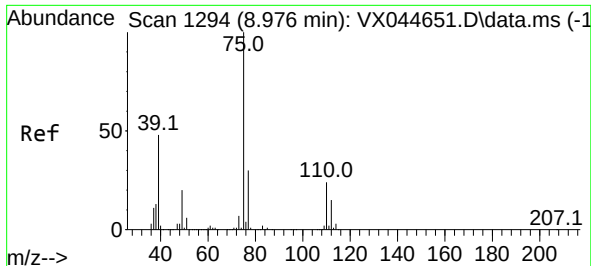
Tgt Ion: 92 Resp: 474392

Ion Ratio Lower Upper

92 100

91 169.3 135.7 203.5

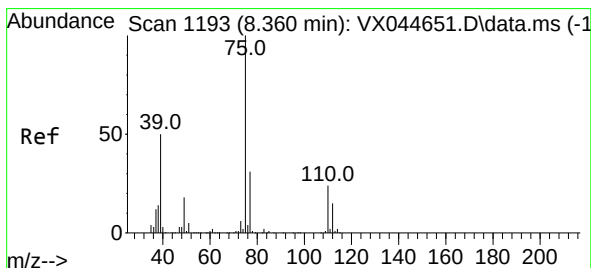
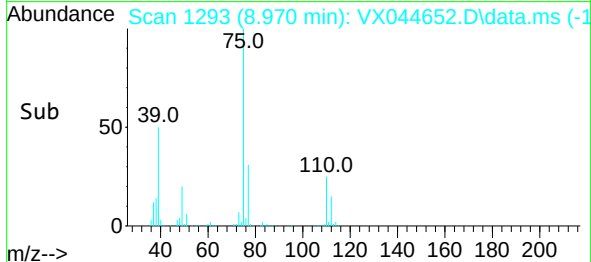
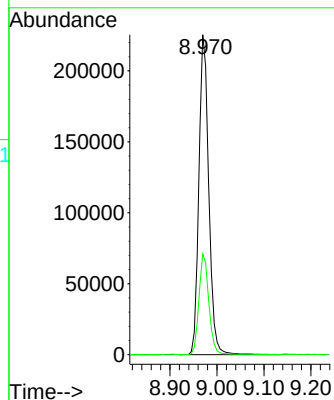
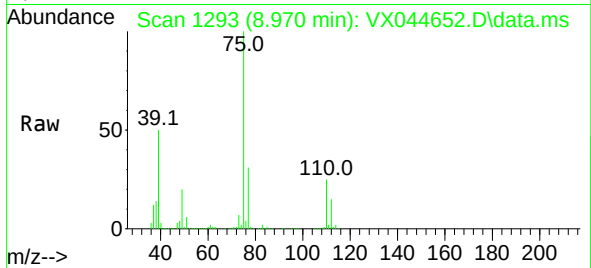




#53
 t-1,3-Dichloropropene
 Concen: 96.446 ug/l
 RT: 8.970 min Scan# 1294
 Delta R.T. -0.006 min
 Lab File: VX044652.D
 Acq: 15 Jan 2025 13:14

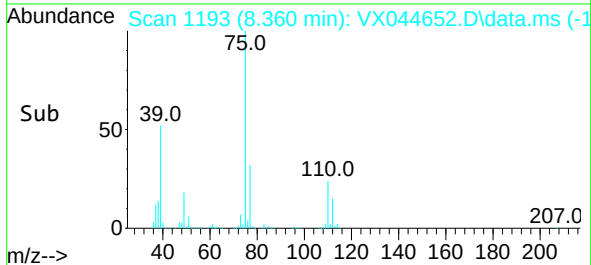
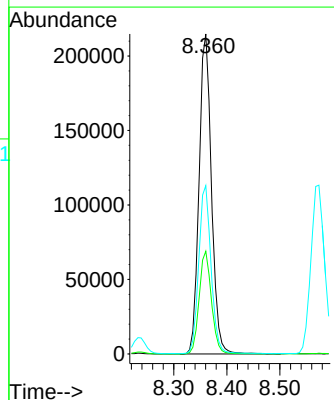
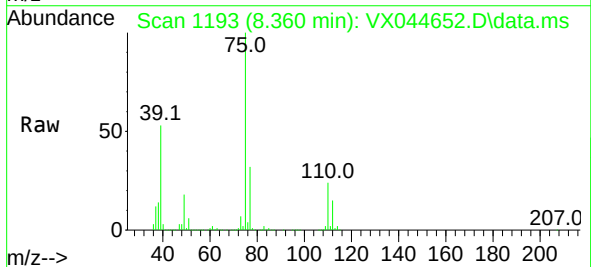
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

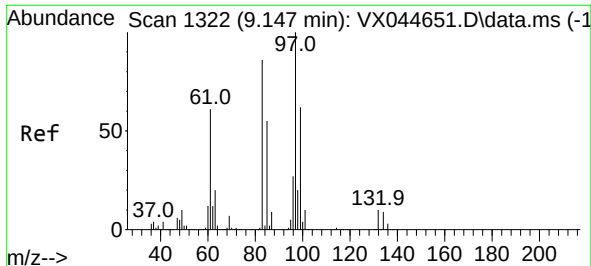
Tgt Ion: 75 Resp: 330982
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.4 36.6



#54
 cis-1,3-Dichloropropene
 Concen: 93.927 ug/l
 RT: 8.360 min Scan# 1193
 Delta R.T. 0.000 min
 Lab File: VX044652.D
 Acq: 15 Jan 2025 13:14

Tgt Ion: 75 Resp: 349516
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.1 37.7
 39 52.5 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 91.885 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 97 Resp: 192326

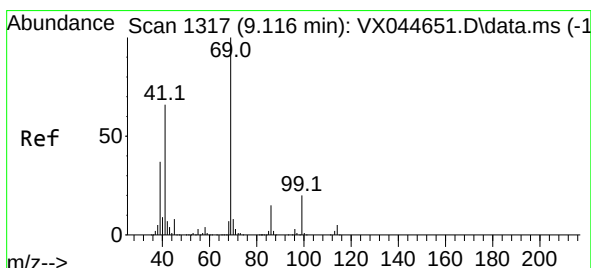
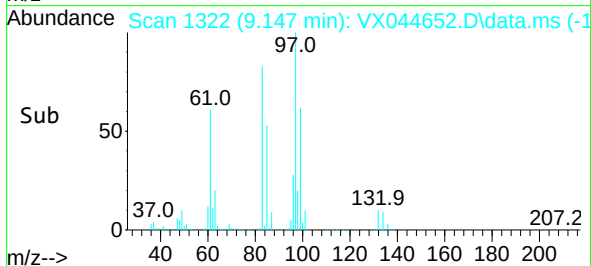
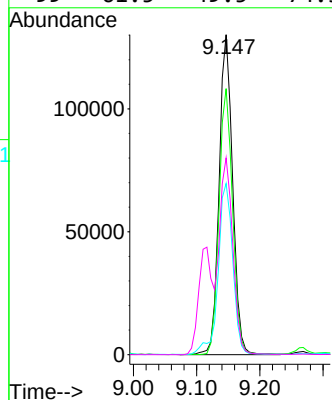
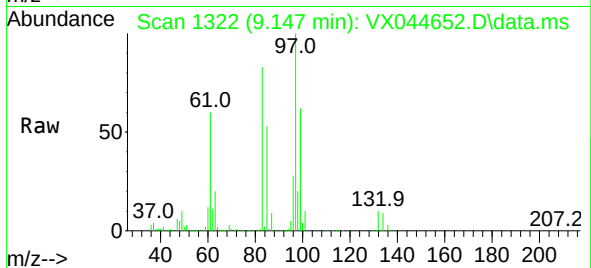
Ion Ratio Lower Upper

97 100

83 83.1 68.8 103.2

85 53.4 43.7 65.5

99 61.5 49.5 74.3



#56

Ethyl methacrylate

Concen: 93.812 ug/l

RT: 9.110 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

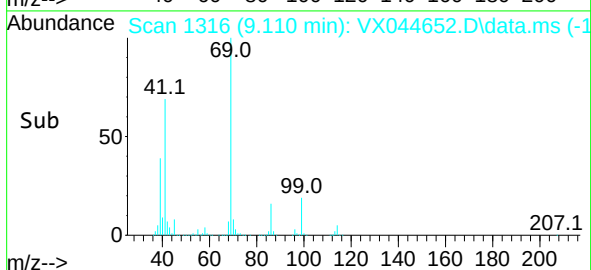
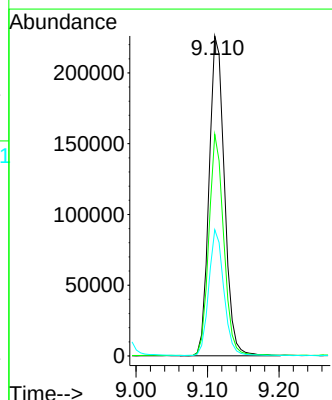
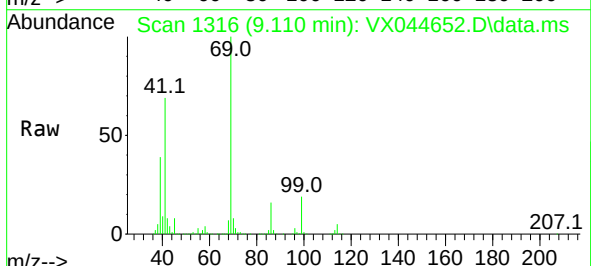
Tgt Ion: 69 Resp: 337626

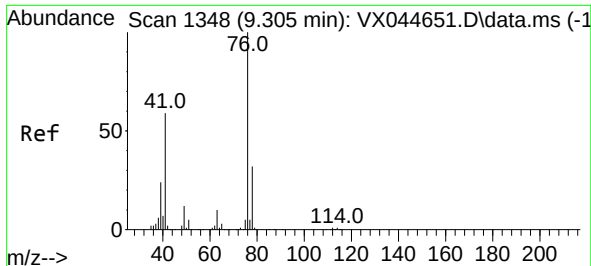
Ion Ratio Lower Upper

69 100

41 66.7 53.2 79.8

39 38.4 30.2 45.2





#57

1,3-Dichloropropane

Concen: 91.220 ug/l

RT: 9.305 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

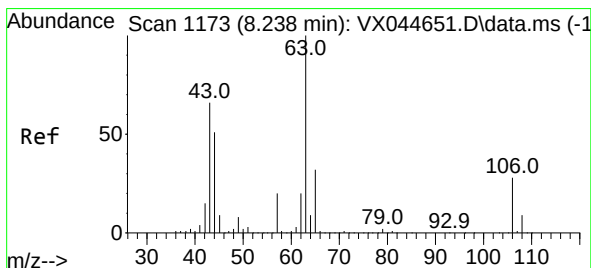
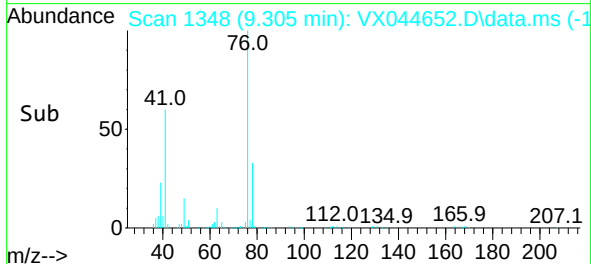
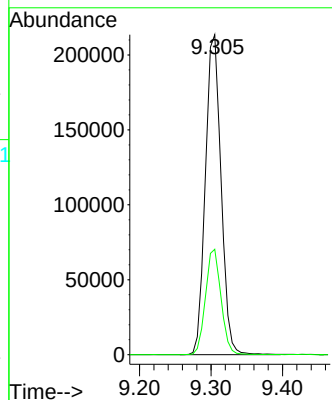
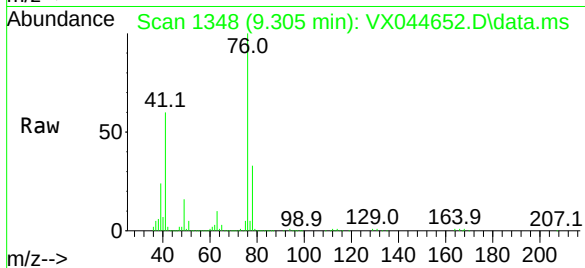
VSTDICC100

Tgt Ion: 76 Resp: 325142

Ion Ratio Lower Upper

76 100

78 32.7 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 462.693 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044652.D

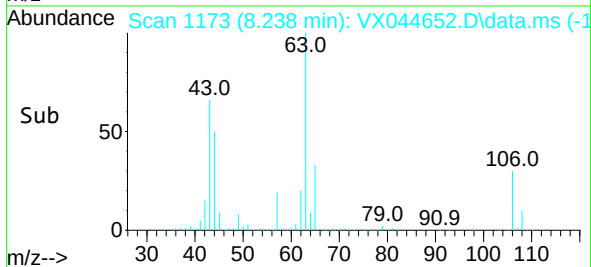
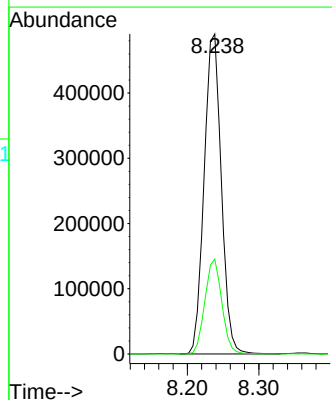
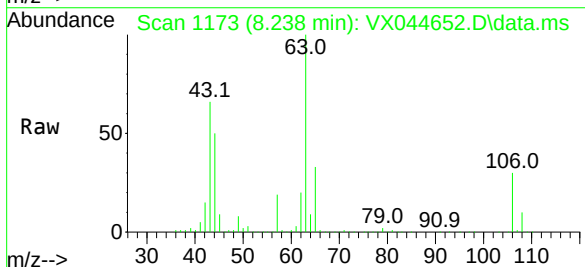
Acq: 15 Jan 2025 13:14

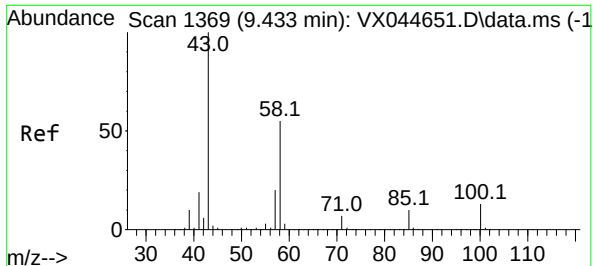
Tgt Ion: 63 Resp: 817528

Ion Ratio Lower Upper

63 100

106 29.3 23.0 34.6

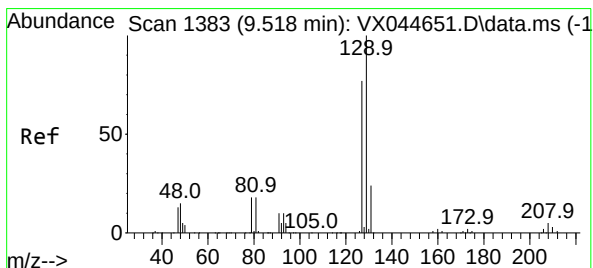
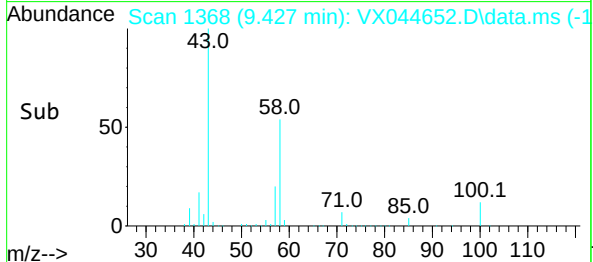
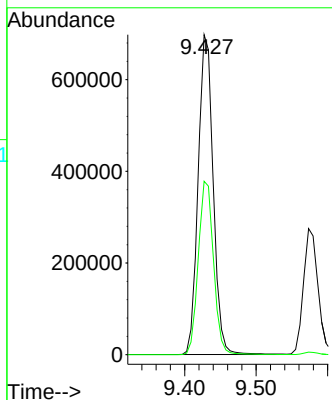
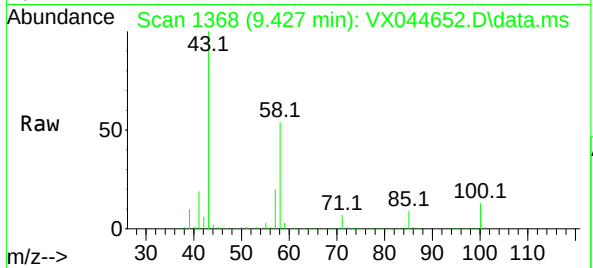




#59
2-Hexanone
Concen: 469.454 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

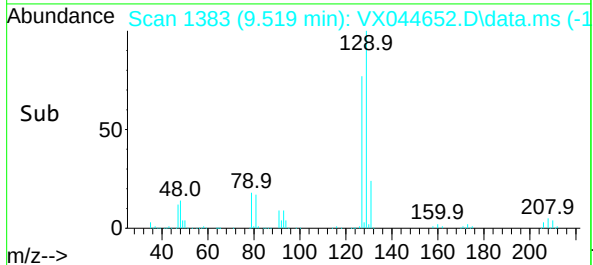
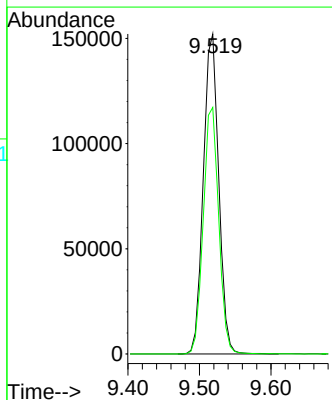
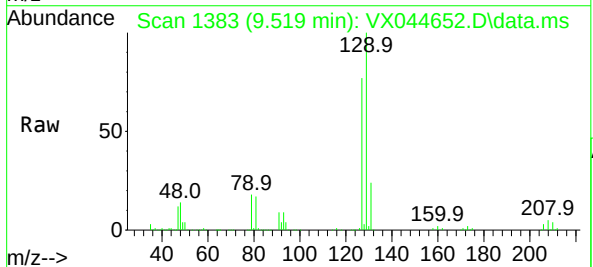
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

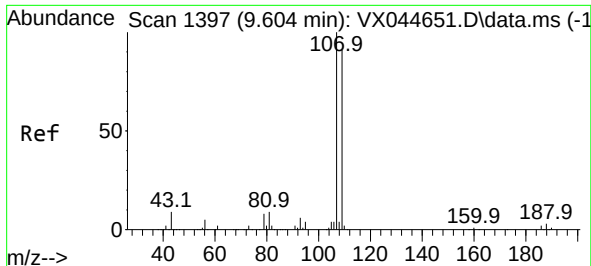
Tgt Ion: 43 Resp: 1019940
Ion Ratio Lower Upper
43 100
58 55.0 27.8 83.3



#60
Dibromochloromethane
Concen: 92.570 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 129 Resp: 227418
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5

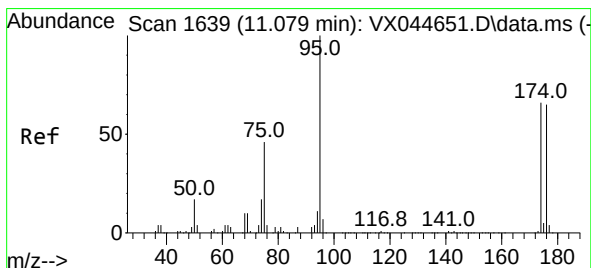
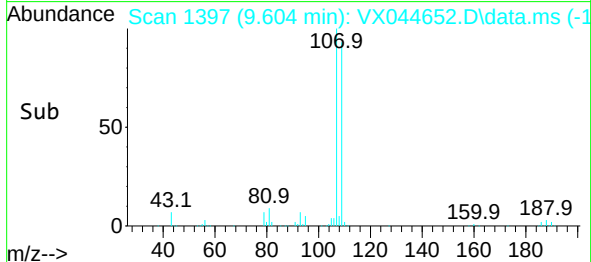
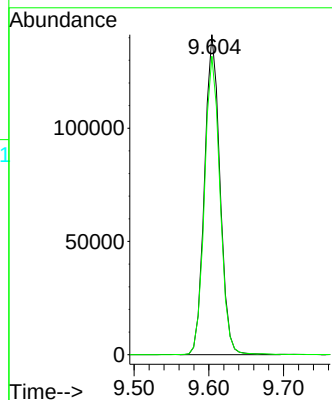
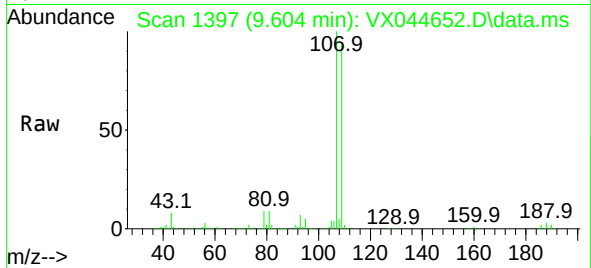




#61
1,2-Dibromoethane
Concen: 92.200 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

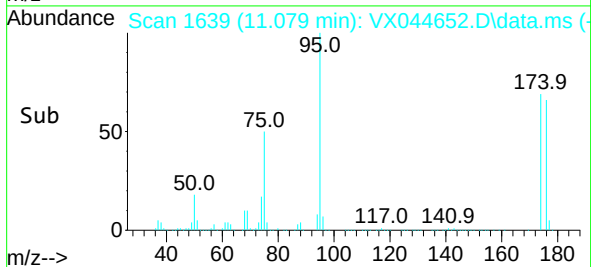
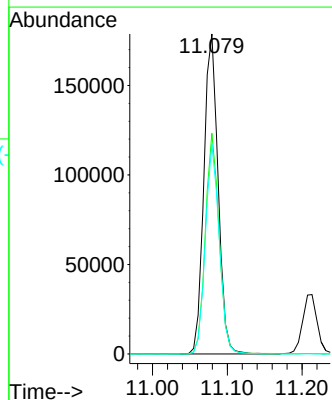
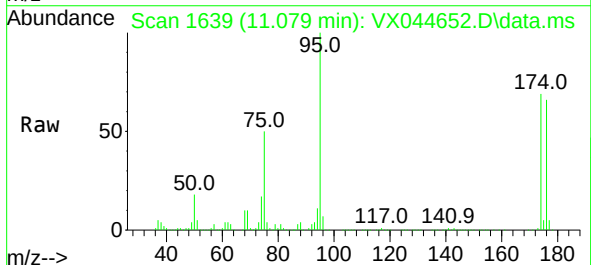
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

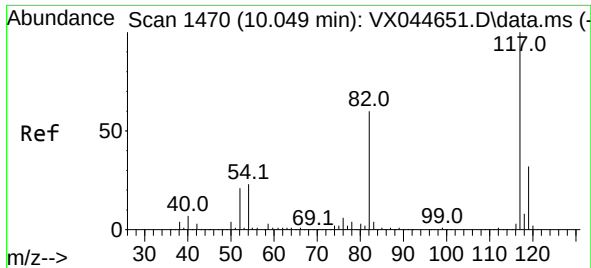
Tgt Ion:107 Resp: 202247
Ion Ratio Lower Upper
107 100
109 93.7 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 92.702 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 95 Resp: 236119
Ion Ratio Lower Upper
95 100
174 66.9 0.0 133.0
176 64.0 0.0 129.4

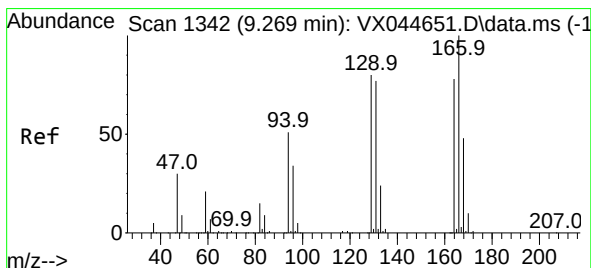
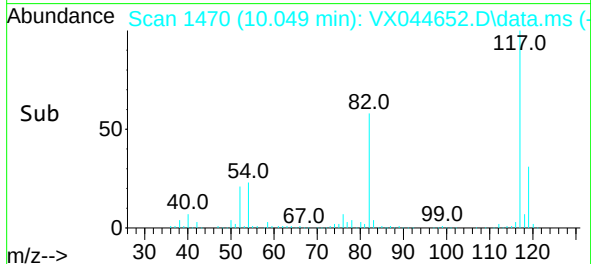
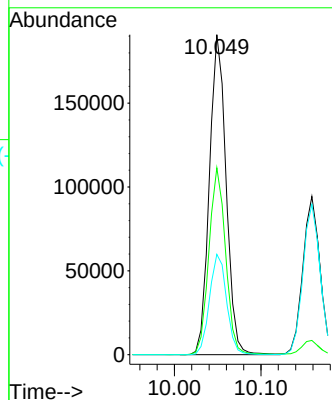
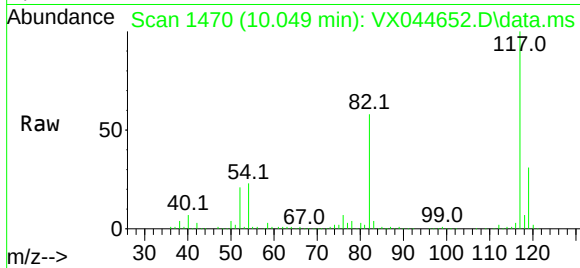




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

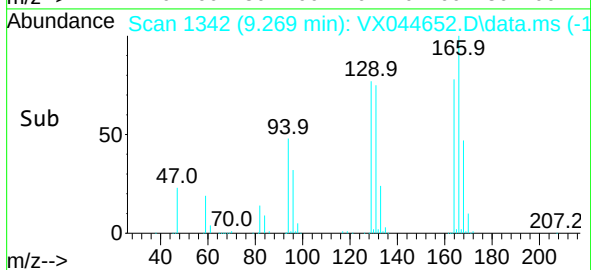
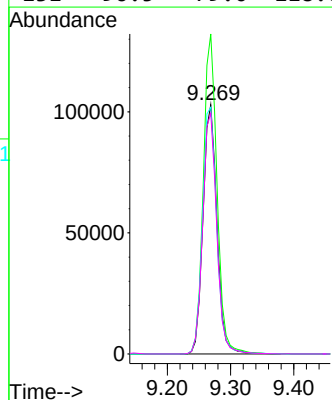
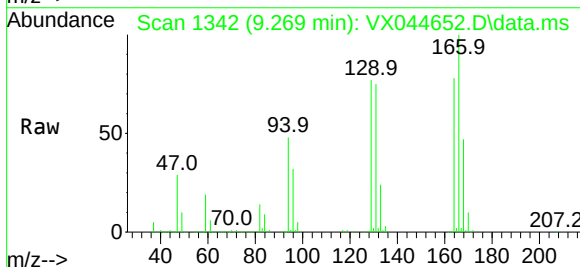
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

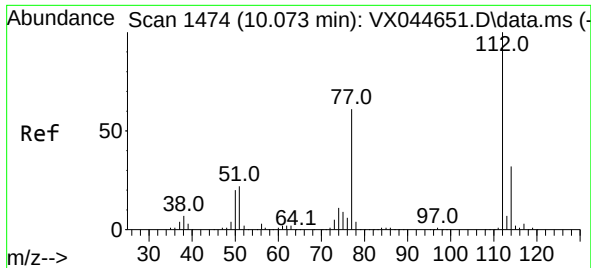
Tgt Ion:117 Resp: 255886
Ion Ratio Lower Upper
117 100
82 58.3 47.6 71.4
119 31.3 25.4 38.2



#64
Tetrachloroethene
Concen: 98.176 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:164 Resp: 157748
Ion Ratio Lower Upper
164 100
166 128.4 102.0 153.0
129 98.9 81.1 121.7
131 96.5 79.0 118.6

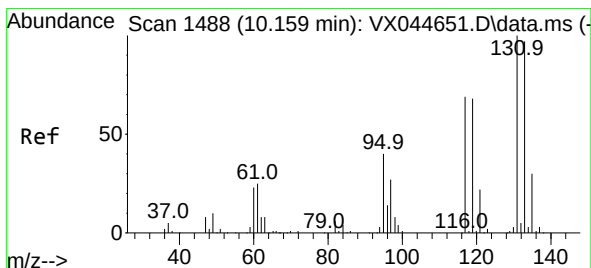
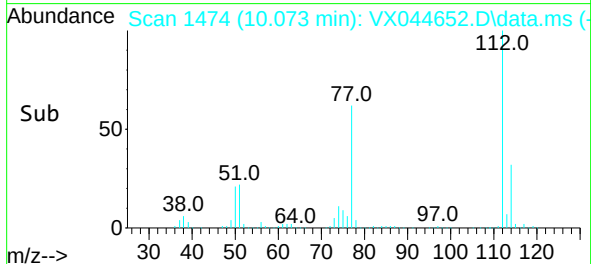
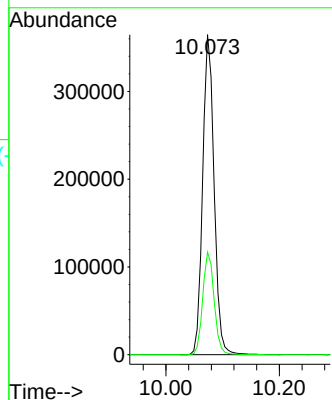
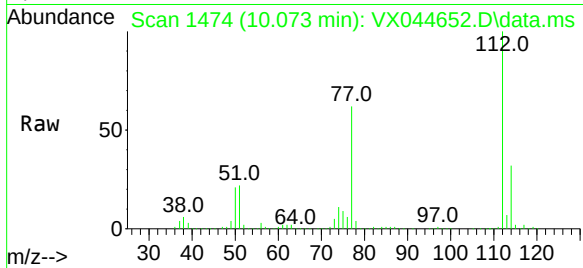




#65
Chlorobenzene
Concen: 94.003 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

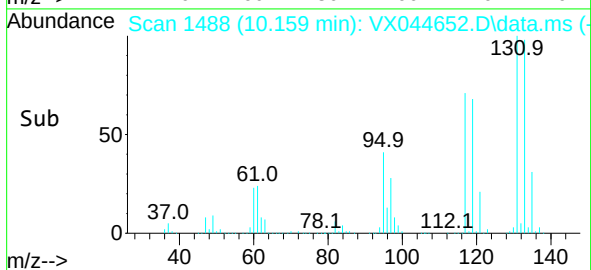
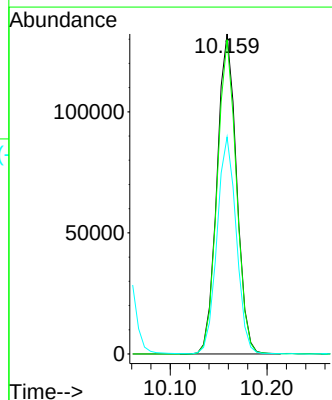
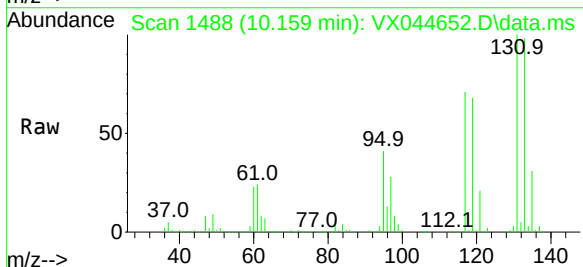
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

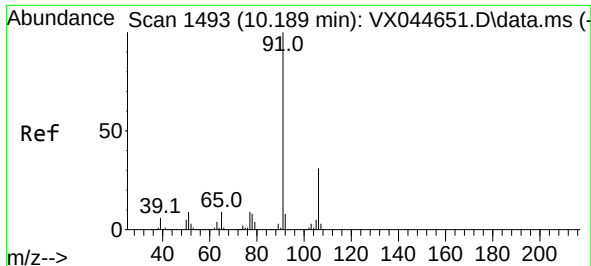
Tgt Ion:112 Resp: 510916
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 93.565 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:131 Resp: 184816
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.3
119 67.1 33.4 100.2





#67

Ethyl Benzene

Concen: 95.872 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

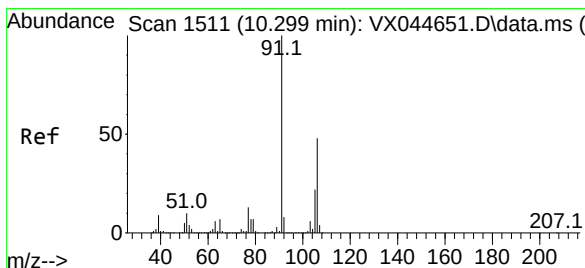
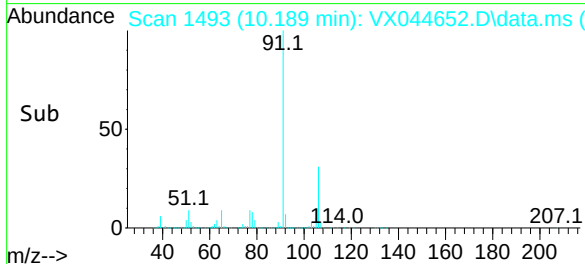
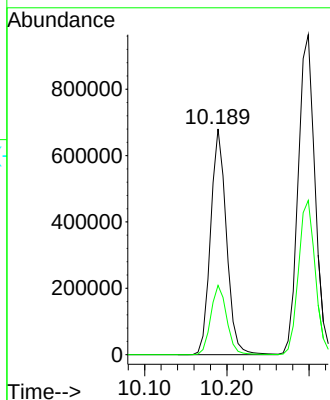
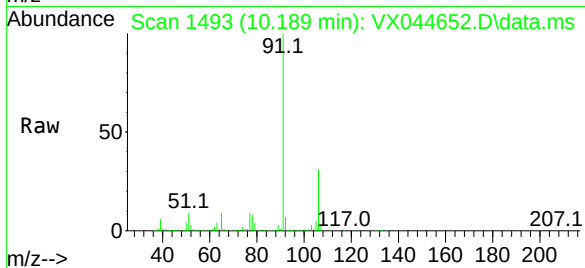
VSTDICC100

Tgt Ion: 91 Resp: 909208

Ion Ratio Lower Upper

91 100

106 30.7 25.0 37.6



#68

m/p-Xylenes

Concen: 187.963 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044652.D

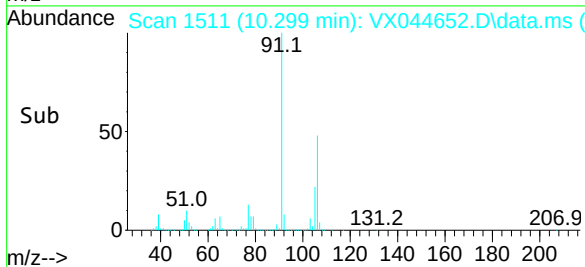
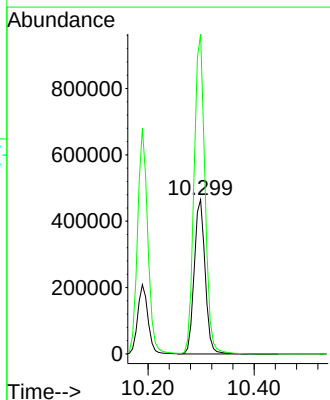
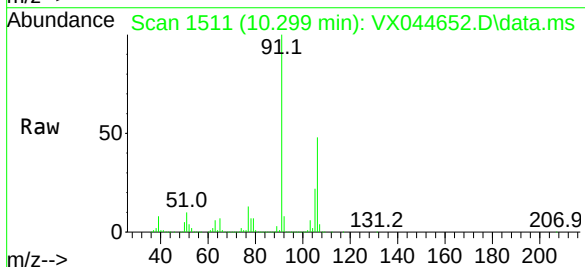
Acq: 15 Jan 2025 13:14

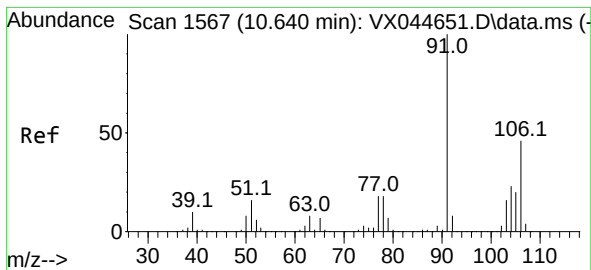
Tgt Ion: 106 Resp: 661488

Ion Ratio Lower Upper

106 100

91 207.9 166.4 249.6

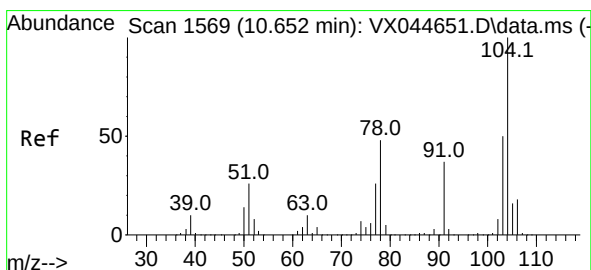
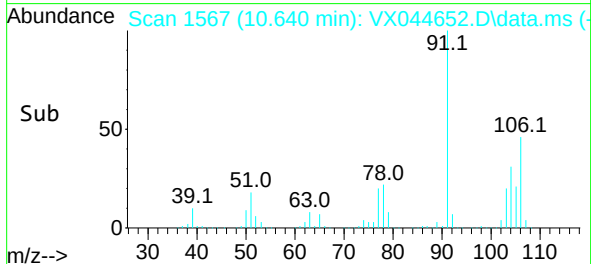
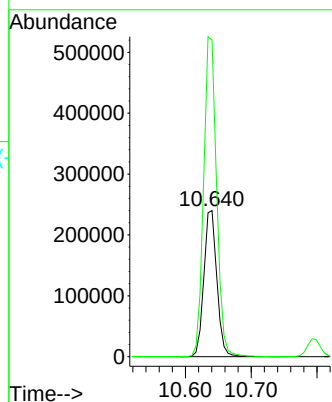
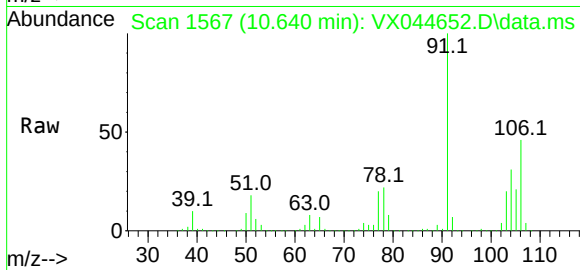




#69
o-Xylene
Concen: 92.536 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

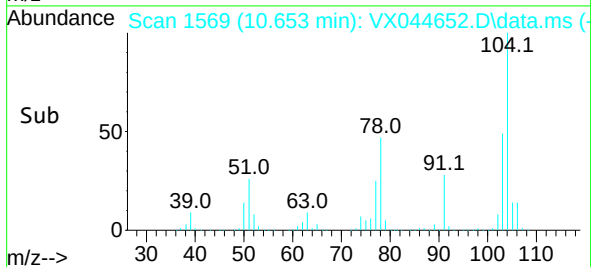
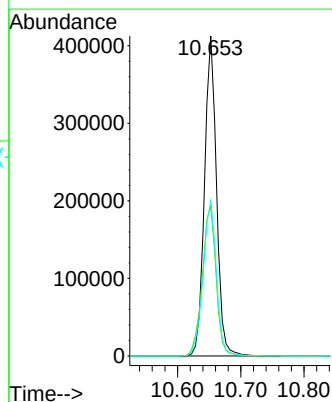
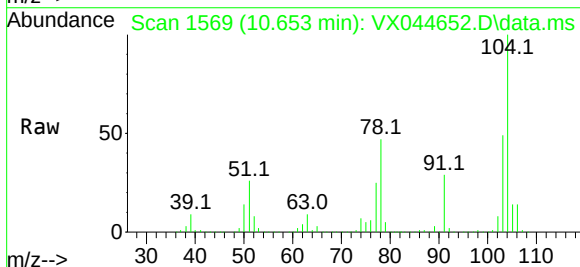
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

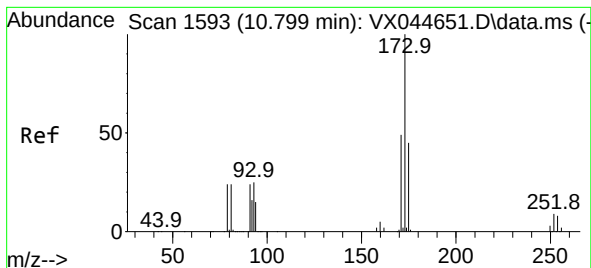
Tgt Ion:106 Resp: 329336
Ion Ratio Lower Upper
106 100
91 218.7 108.7 326.3



#70
Styrene
Concen: 95.197 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:104 Resp: 547016
Ion Ratio Lower Upper
104 100
78 53.9 43.0 64.6
103 54.1 43.4 65.2





#71

Bromoform

Concen: 96.648 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

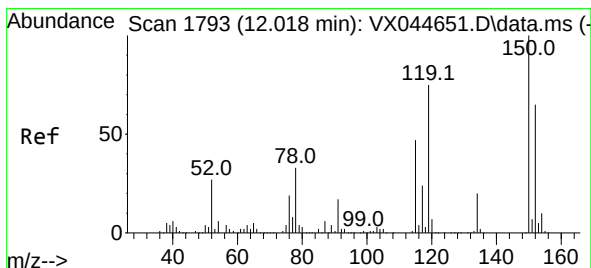
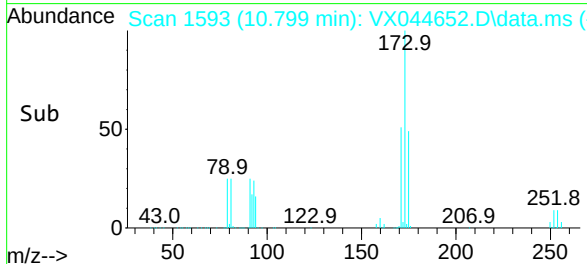
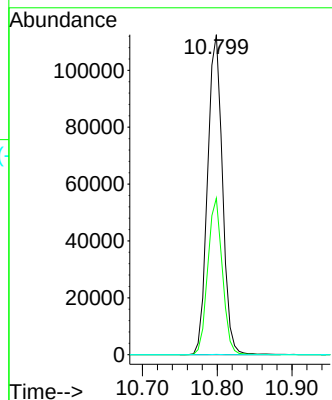
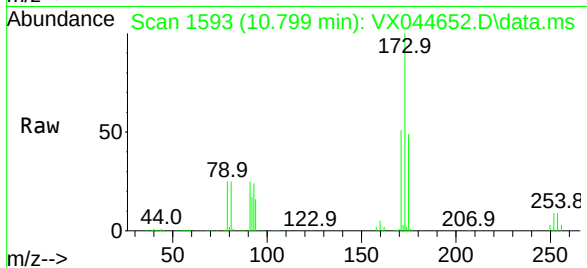
Tgt Ion:173 Resp: 155379

Ion Ratio Lower Upper

173 100

175 48.0 23.6 70.8

254 0.1 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

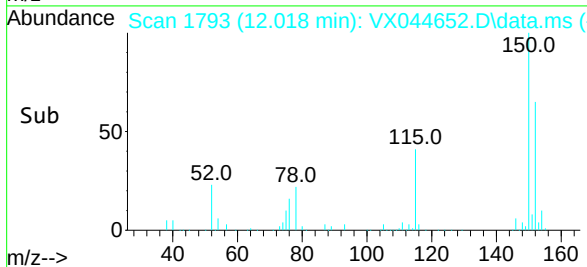
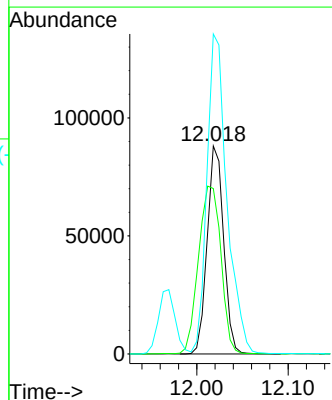
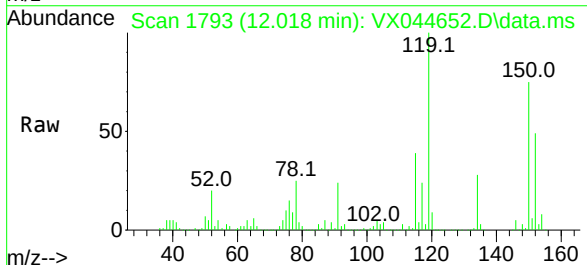
Tgt Ion:152 Resp: 110019

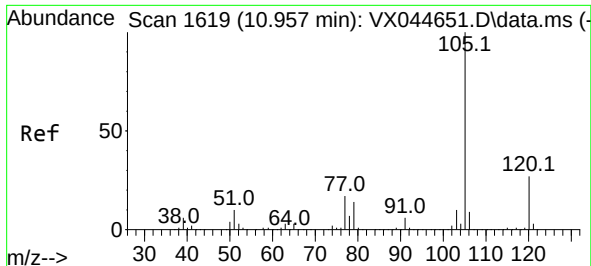
Ion Ratio Lower Upper

152 100

115 110.6 43.8 131.4

150 186.5 0.0 347.8

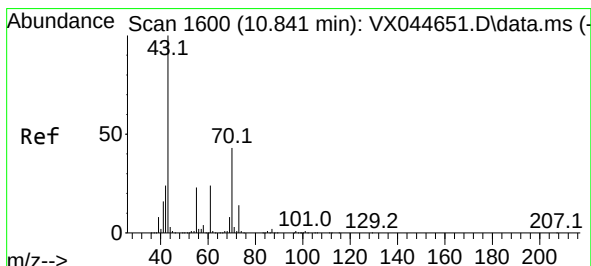
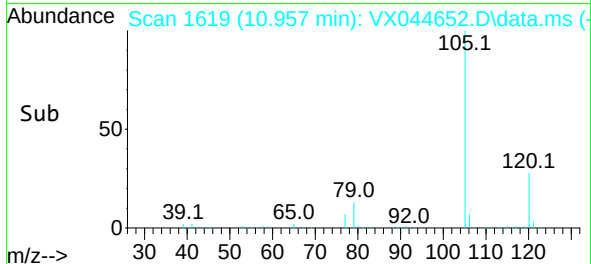
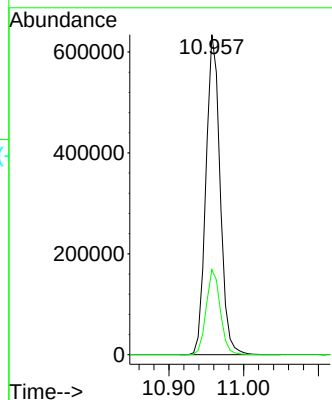
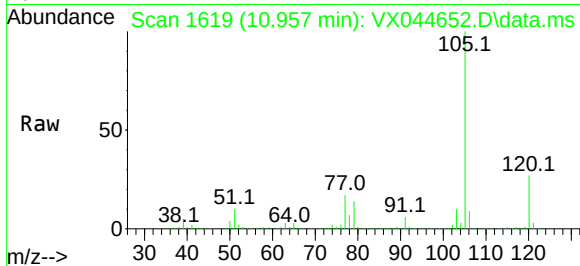




#73
Isopropylbenzene
Concen: 92.779 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

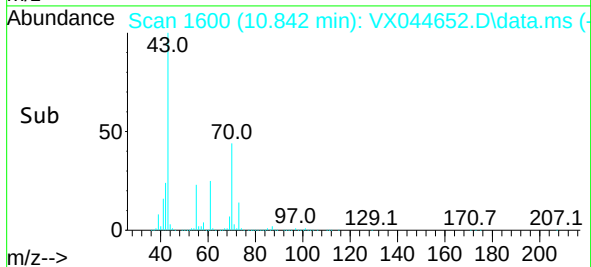
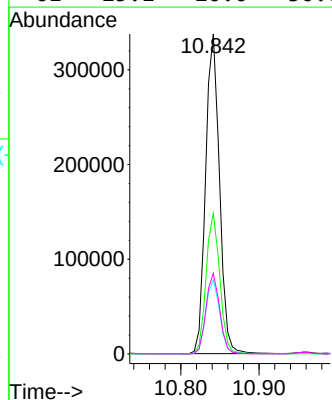
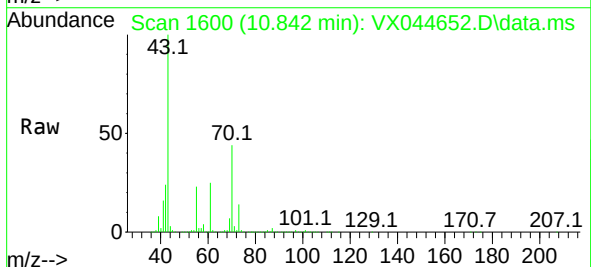
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

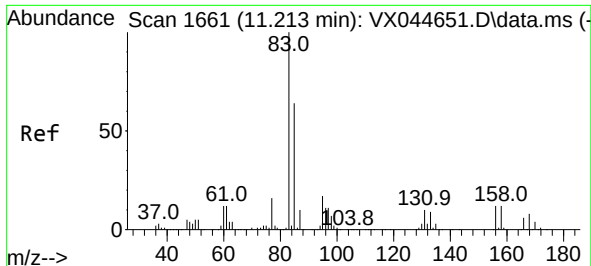
Tgt Ion:105 Resp: 833874
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.6



#74
N-ethyl acetate
Concen: 93.463 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 43 Resp: 414046
Ion Ratio Lower Upper
43 100
70 43.5 35.2 52.8
55 23.3 19.0 28.4
61 25.1 20.0 30.0

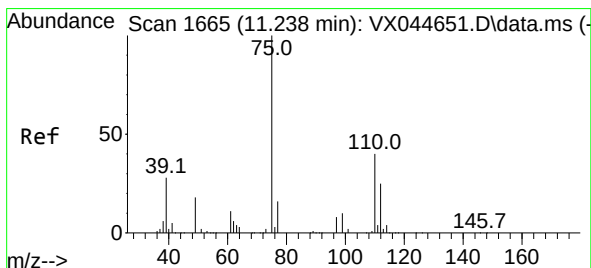
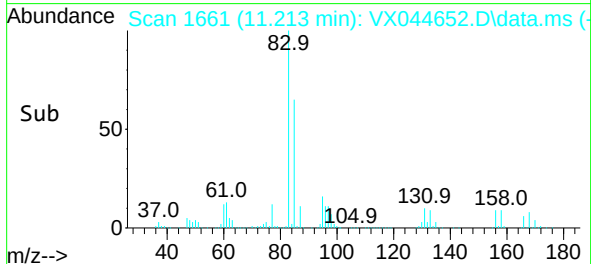
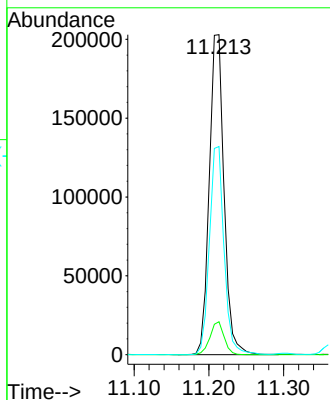
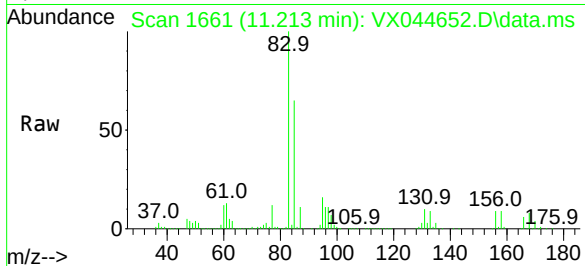




#75
 1,1,2,2-Tetrachloroethane
 Concen: 89.776 ug/l
 RT: 11.213 min Scan# 1661
 Delta R.T. 0.000 min
 Lab File: VX044652.D
 Acq: 15 Jan 2025 13:14

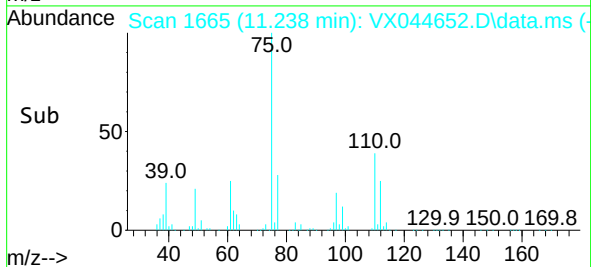
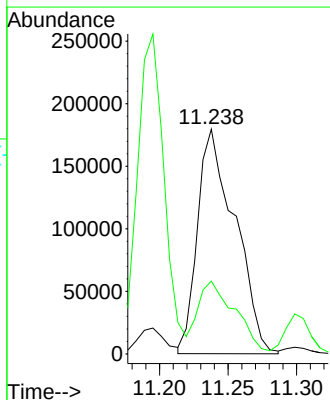
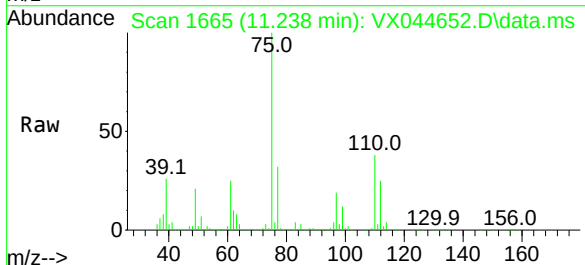
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

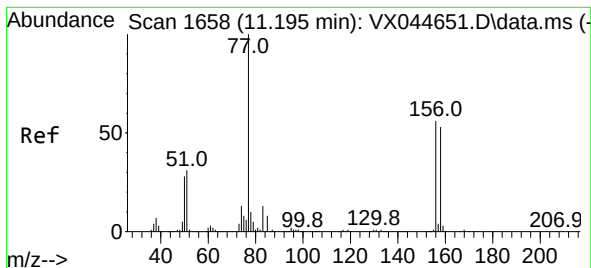
Tgt Ion: 83 Resp: 278679
 Ion Ratio Lower Upper
 83 100
 131 9.9 5.0 14.9
 85 64.5 32.0 96.2



#76
 1,2,3-Trichloropropane
 Concen: 127.834 ug/l
 RT: 11.238 min Scan# 1665
 Delta R.T. 0.000 min
 Lab File: VX044652.D
 Acq: 15 Jan 2025 13:14

Tgt Ion: 75 Resp: 341318
 Ion Ratio Lower Upper
 75 100
 77 32.3 23.4 70.2





#77

Bromobenzene

Concen: 91.729 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

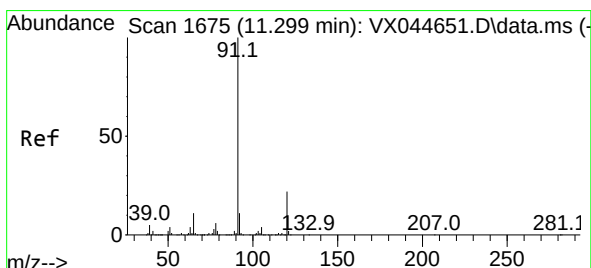
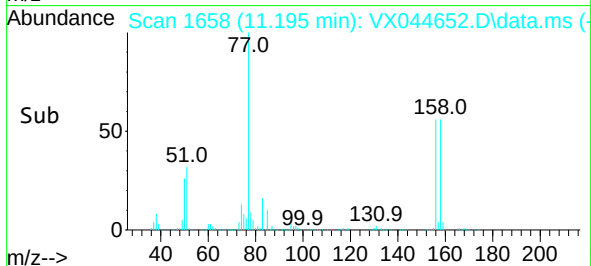
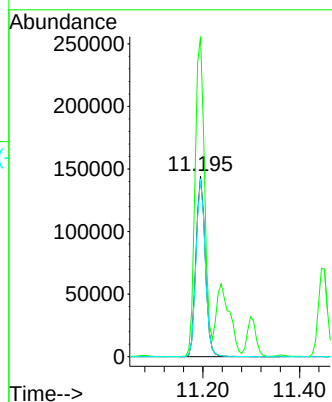
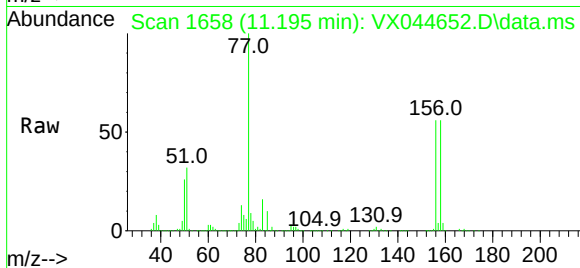
Tgt Ion:156 Resp: 192700

Ion Ratio Lower Upper

156 100

77 181.5 90.3 271.0

158 97.9 48.4 145.3



#78

n-propylbenzene

Concen: 96.470 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VX044652.D

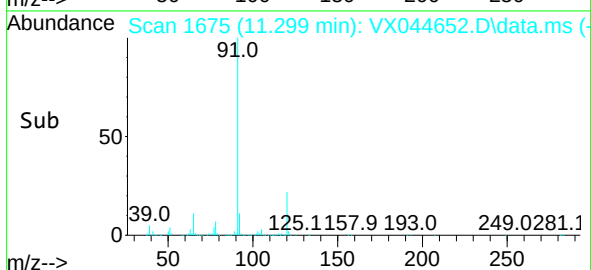
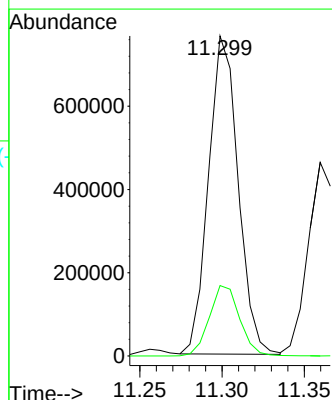
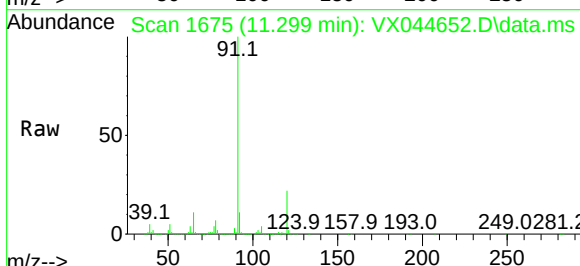
Acq: 15 Jan 2025 13:14

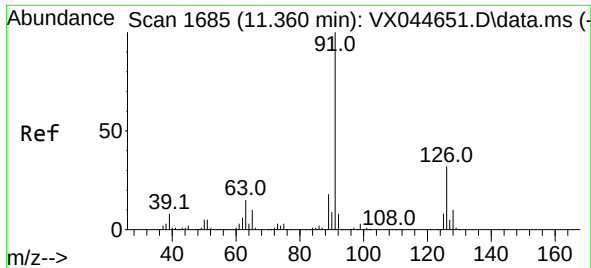
Tgt Ion: 91 Resp: 956202

Ion Ratio Lower Upper

91 100

120 22.7 11.4 34.1

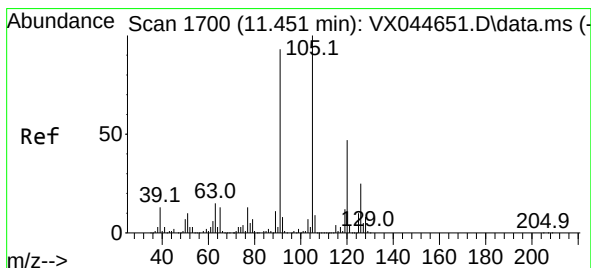
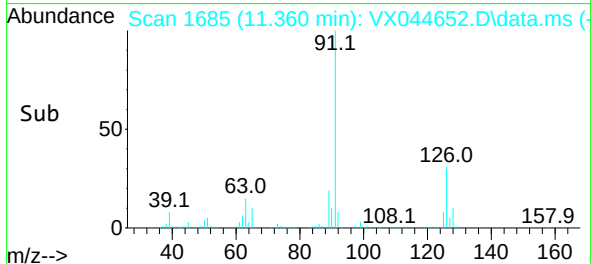
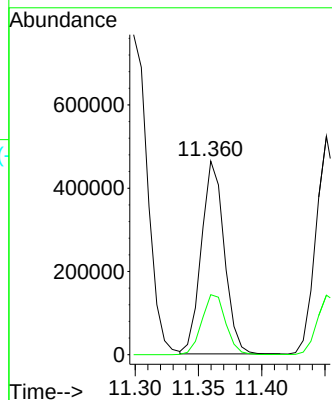
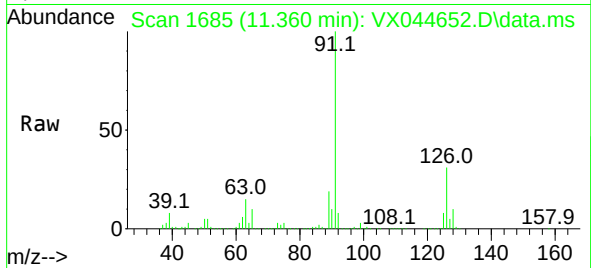




#79
2-Chlorotoluene
Concen: 91.317 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

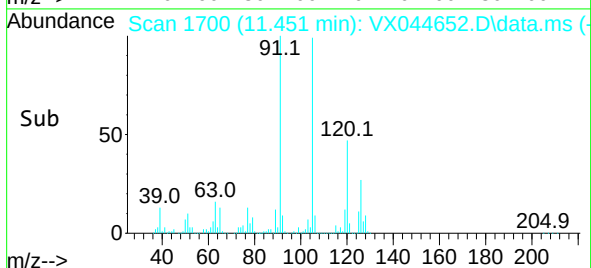
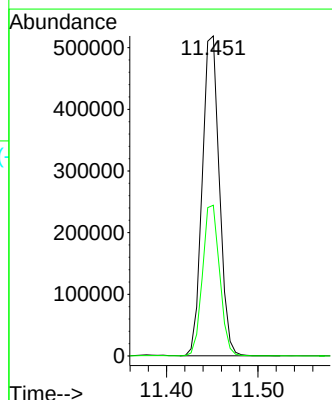
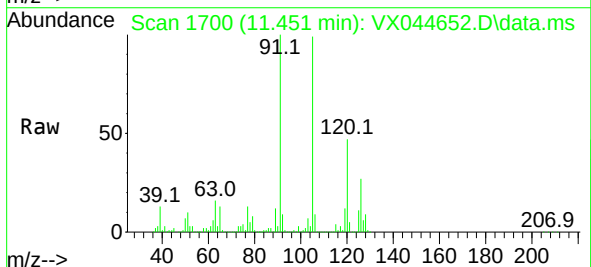
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

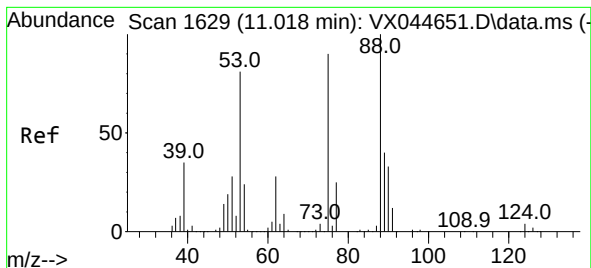
Tgt Ion: 91 Resp: 584682
Ion Ratio Lower Upper
91 100
126 32.6 16.2 48.5



#80
1,3,5-Trimethylbenzene
Concen: 91.926 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 105 Resp: 672586
Ion Ratio Lower Upper
105 100
120 47.2 23.7 71.1

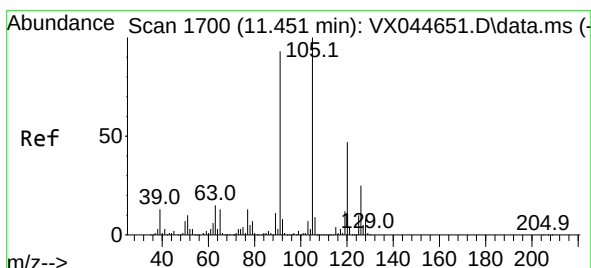
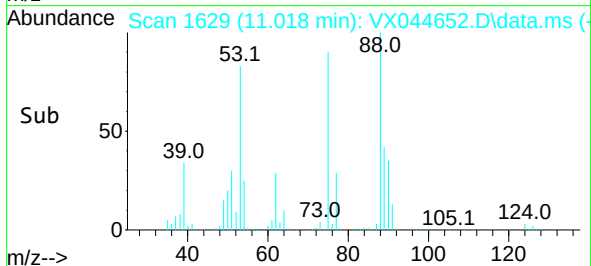
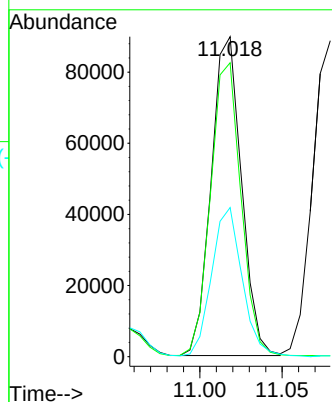
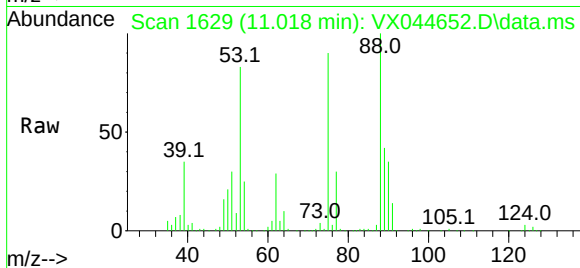




#81
trans-1,4-Dichloro-2-butene
Concen: 98.354 ug/l
RT: 11.018 min Scan# 114832
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

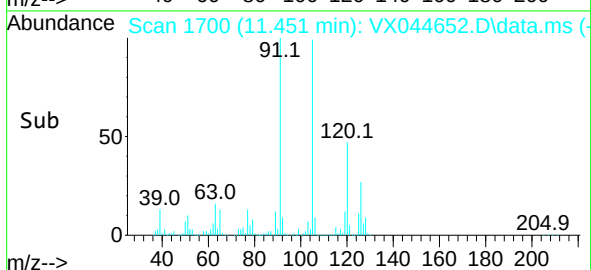
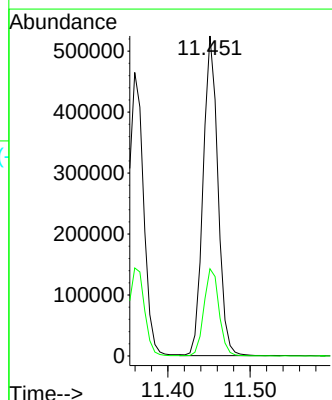
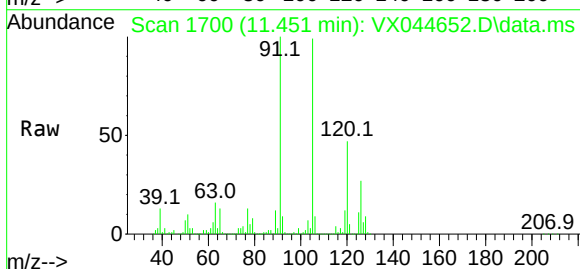
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

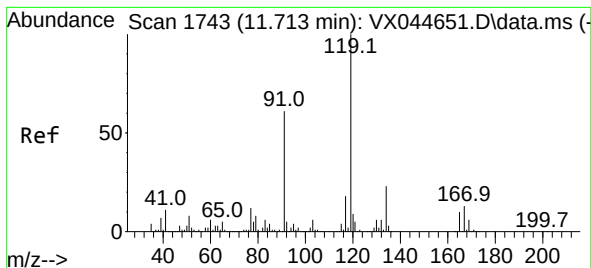
Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.6	74.3	111.5
89	47.4	37.4	56.0



#82
4-Chlorotoluene
Concen: 93.421 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.9	13.9	41.7





#83

tert-Butylbenzene

Concen: 90.233 ug/l

RT: 11.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

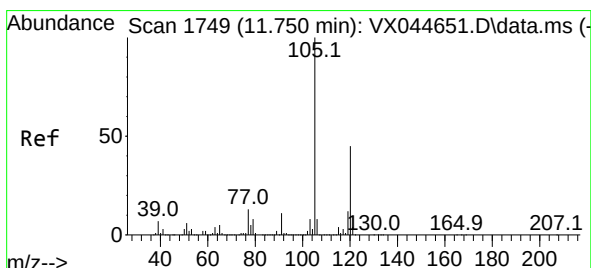
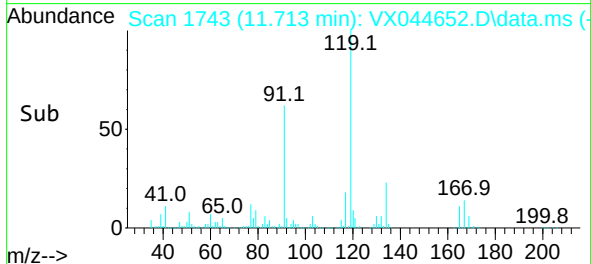
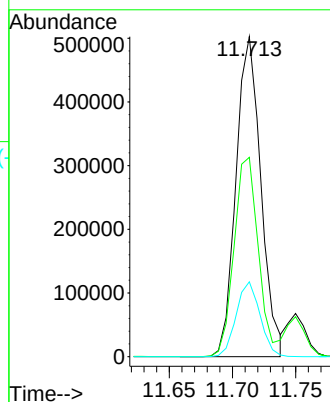
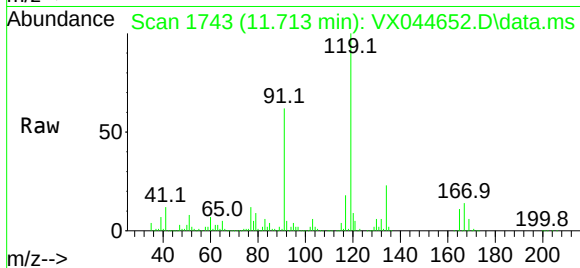
Tgt Ion:119 Resp: 690320

Ion Ratio Lower Upper

119 100

91 59.9 30.0 90.0

134 22.4 11.2 33.5



#84

1,2,4-Trimethylbenzene

Concen: 91.646 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044652.D

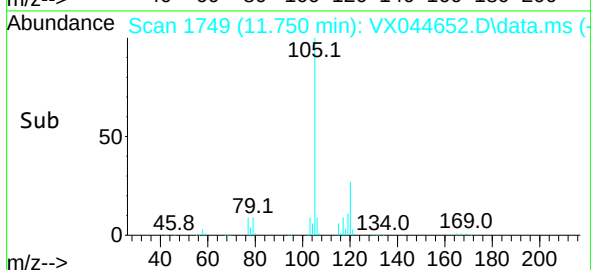
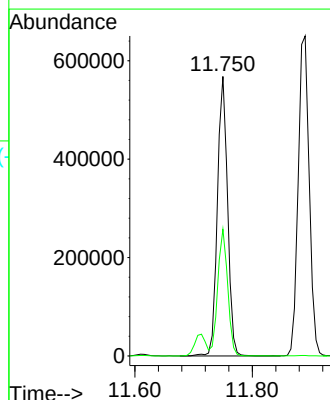
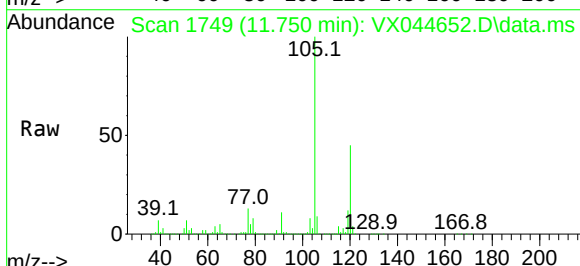
Acq: 15 Jan 2025 13:14

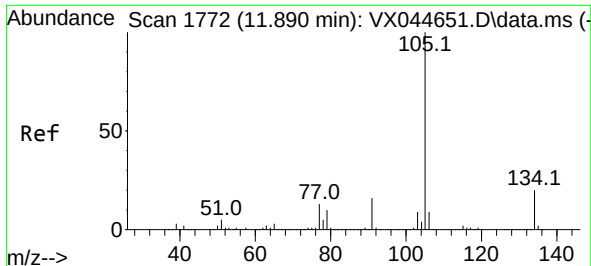
Tgt Ion:105 Resp: 681398

Ion Ratio Lower Upper

105 100

120 44.4 22.2 66.6

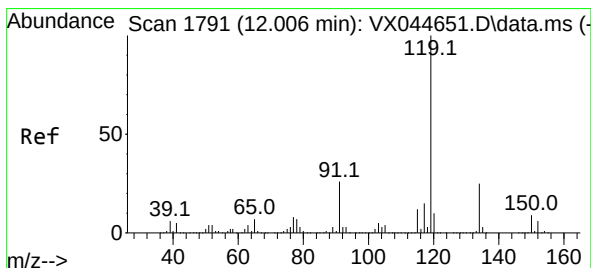
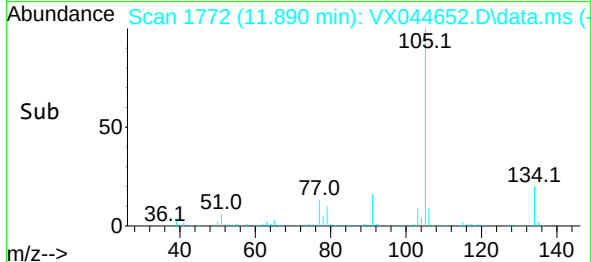
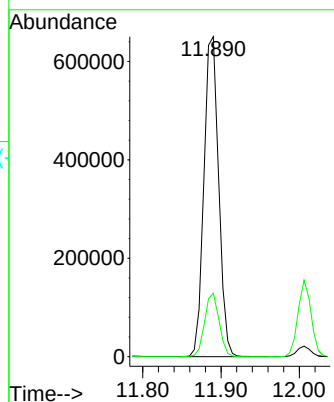
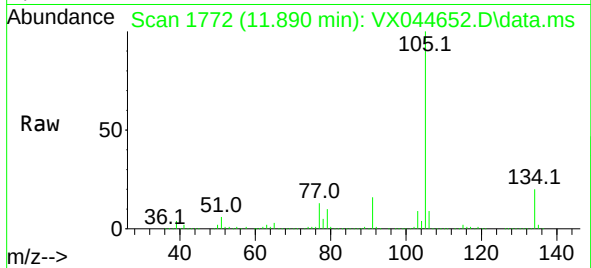




#85
sec-Butylbenzene
Concen: 95.235 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

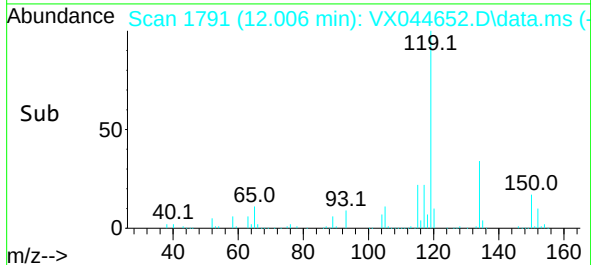
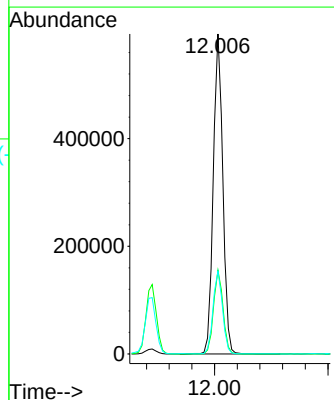
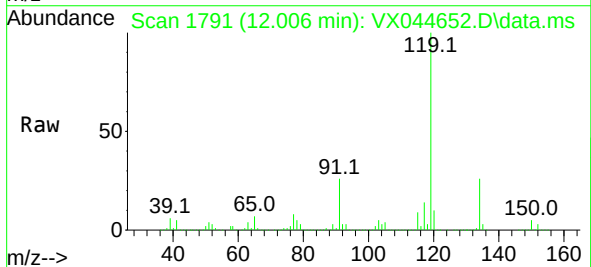
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

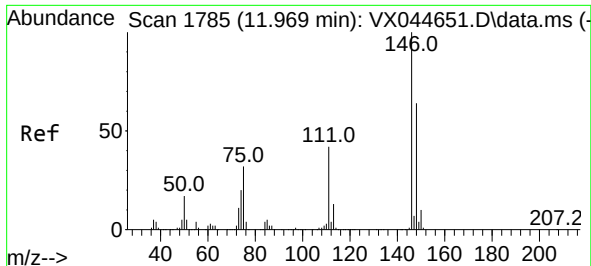
Tgt Ion:105 Resp: 848327
Ion Ratio Lower Upper
105 100
134 19.5 9.8 29.5



#86
p-Isopropyltoluene
Concen: 94.999 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:119 Resp: 695433
Ion Ratio Lower Upper
119 100
134 26.1 12.8 38.4
91 25.7 12.7 38.1

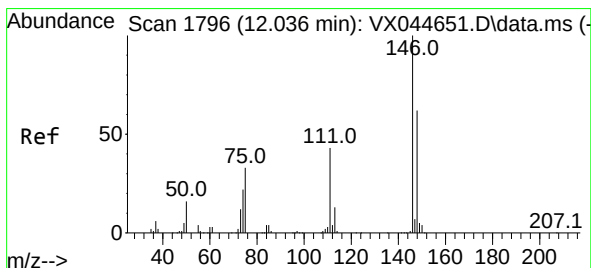
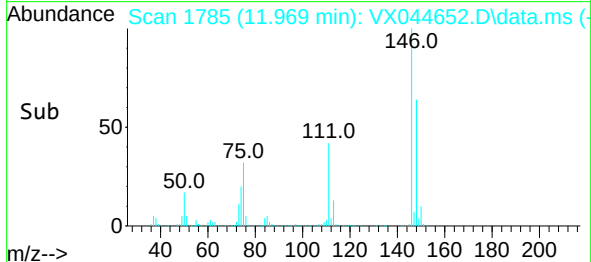
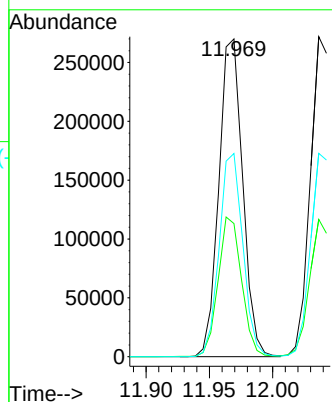
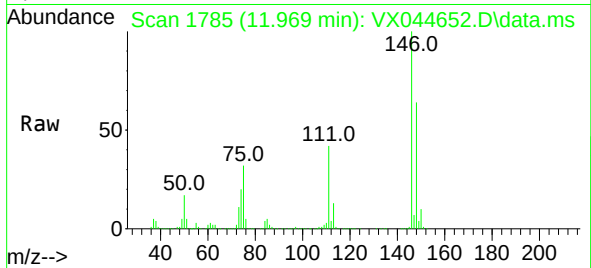




#87
1,3-Dichlorobenzene
Concen: 97.115 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

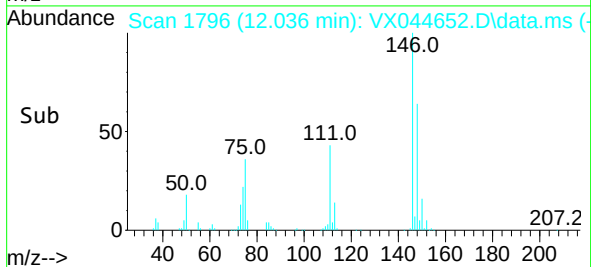
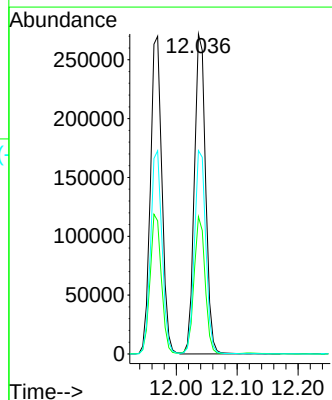
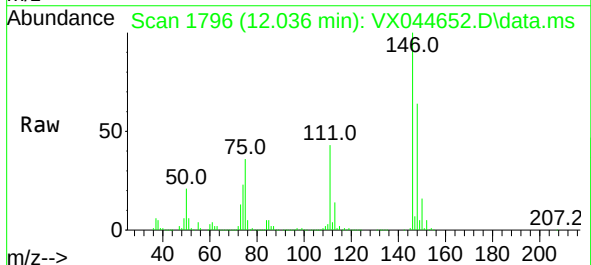
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

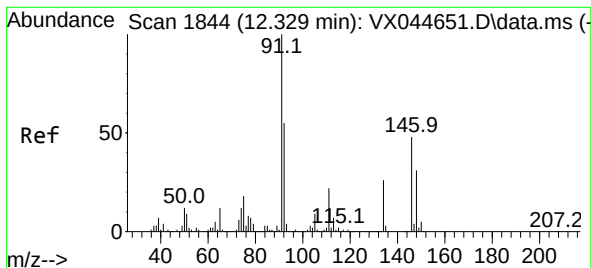
Tgt Ion:146 Resp: 353809
Ion Ratio Lower Upper
146 100
111 43.2 21.9 65.7
148 63.3 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 94.359 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:146 Resp: 347517
Ion Ratio Lower Upper
146 100
111 42.1 21.5 64.5
148 63.9 32.1 96.5





#89

n-Butylbenzene

Concen: 100.715 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

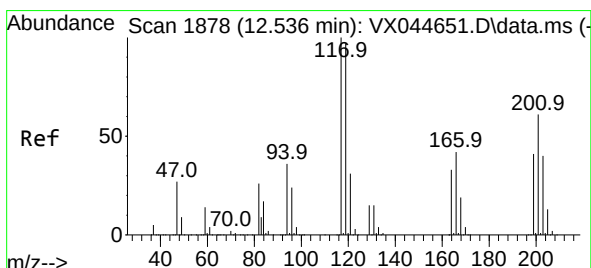
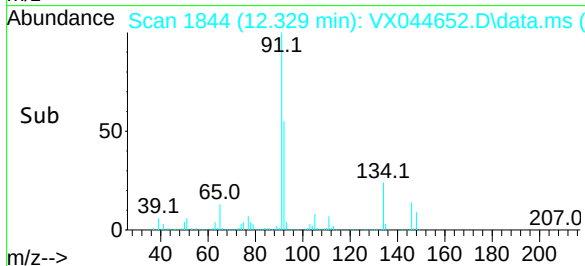
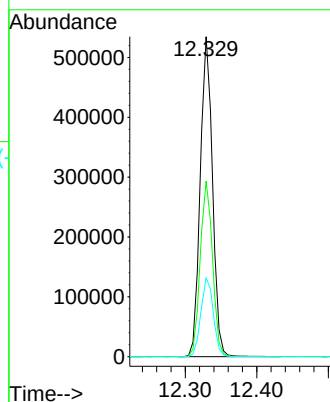
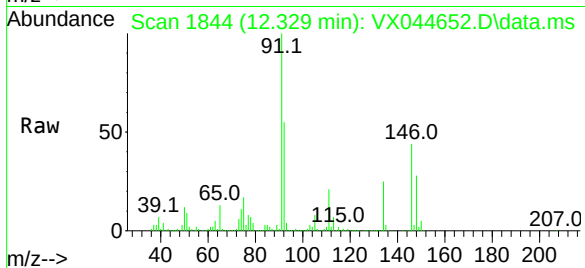
Tgt Ion: 91 Resp: 633246

Ion Ratio Lower Upper

91 100

92 55.3 27.4 82.0

134 25.1 12.8 38.3



#90

Hexachloroethane

Concen: 90.037 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044652.D

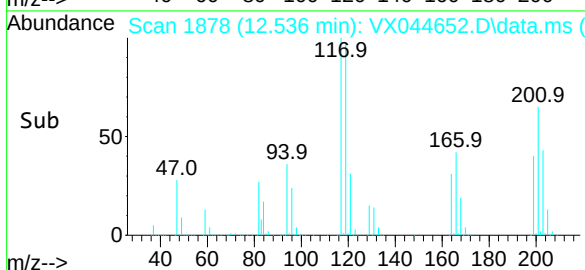
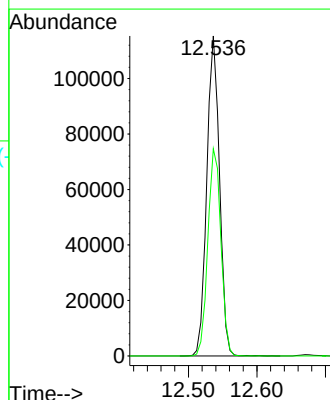
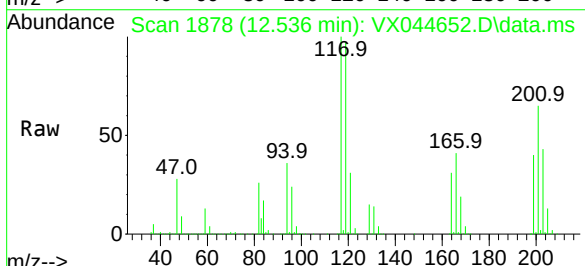
Acq: 15 Jan 2025 13:14

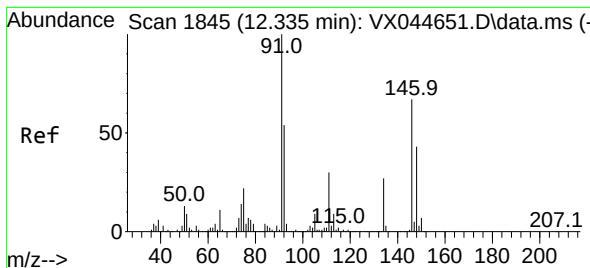
Tgt Ion: 117 Resp: 149253

Ion Ratio Lower Upper

117 100

201 66.5 32.3 96.8





#91

1,2-Dichlorobenzene

Concen: 91.056 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

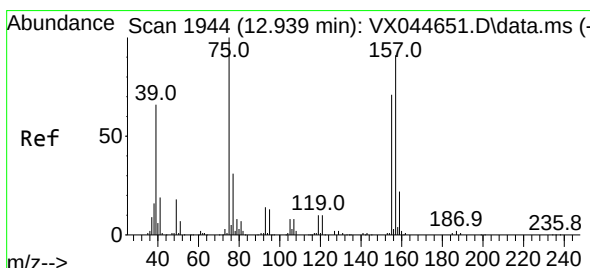
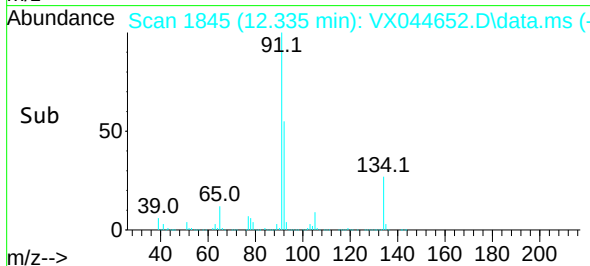
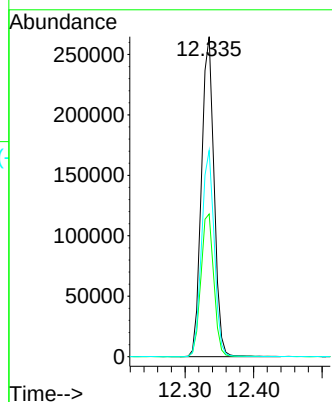
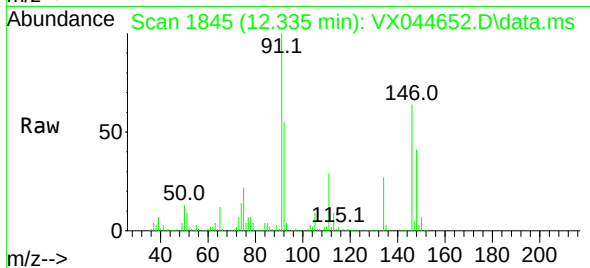
Tgt Ion:146 Resp: 340683

Ion Ratio Lower Upper

146 100

111 45.7 22.4 67.2

148 64.4 31.6 94.8



#92

1,2-Dibromo-3-Chloropropane

Concen: 93.344 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

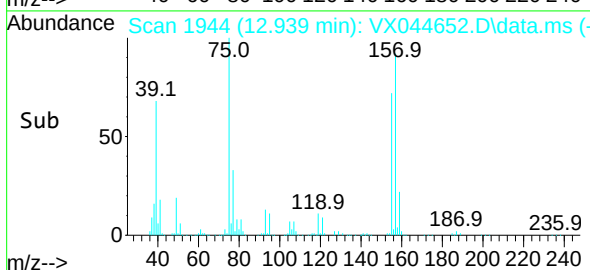
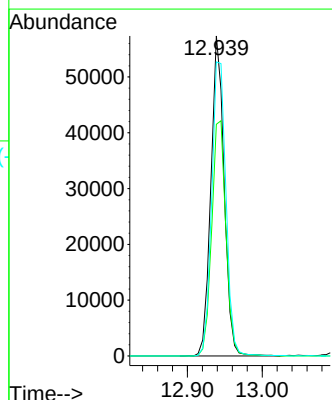
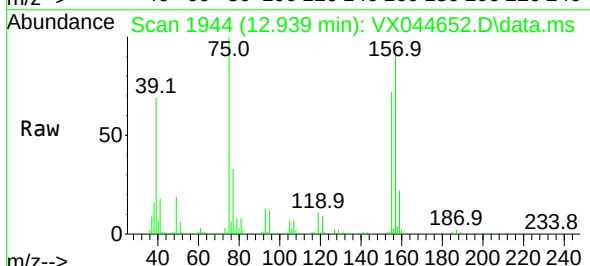
Tgt Ion: 75 Resp: 70862

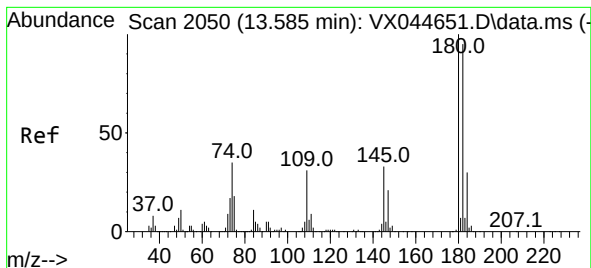
Ion Ratio Lower Upper

75 100

155 78.9 39.0 116.9

157 99.1 49.9 149.7





#93

1,2,4-Trichlorobenzene

Concen: 104.359 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

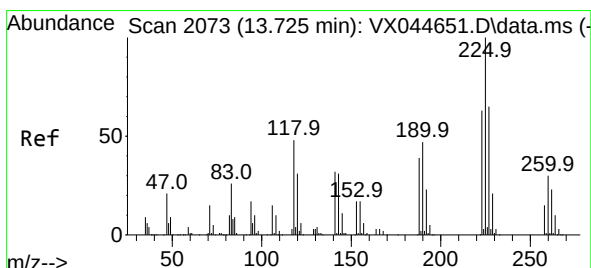
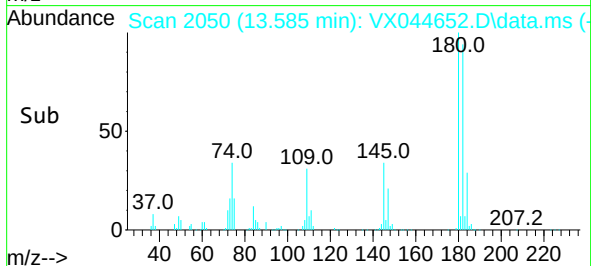
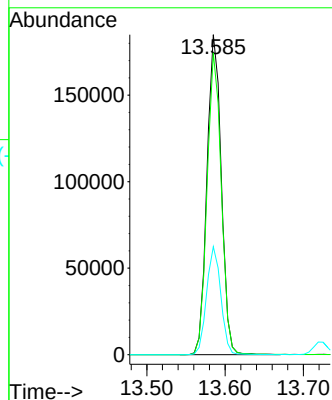
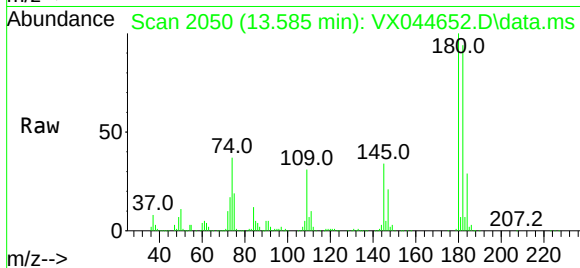
Tgt Ion:180 Resp: 233417

Ion Ratio Lower Upper

180 100

182 93.9 47.4 142.2

145 33.7 16.7 50.1



#94

Hexachlorobutadiene

Concen: 100.406 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX044652.D

Acq: 15 Jan 2025 13:14

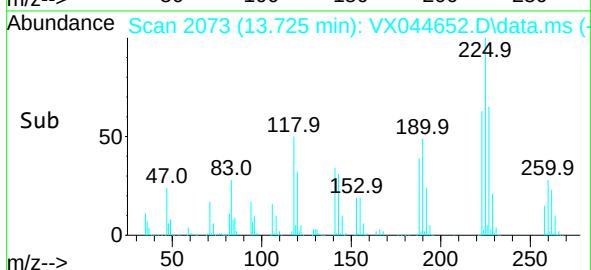
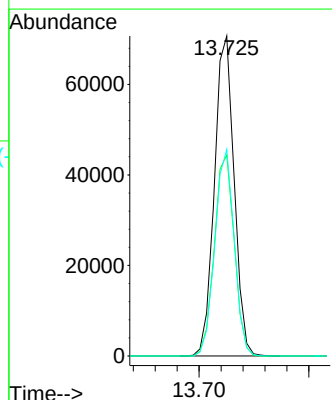
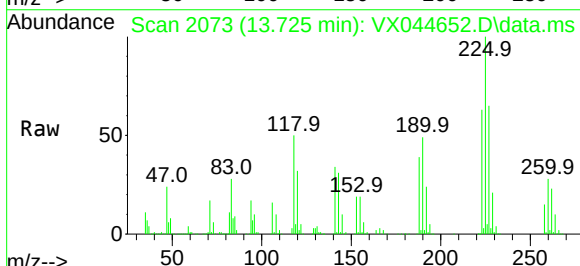
Tgt Ion:225 Resp: 88214

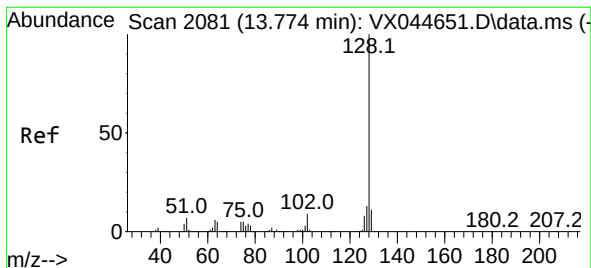
Ion Ratio Lower Upper

225 100

223 63.6 31.9 95.7

227 63.4 31.8 95.4

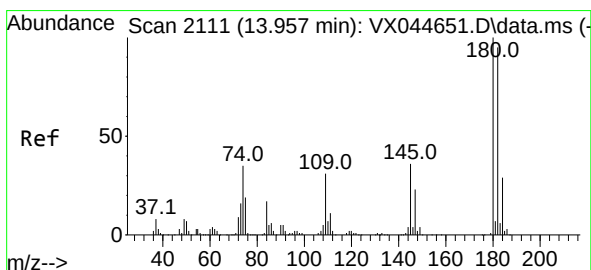
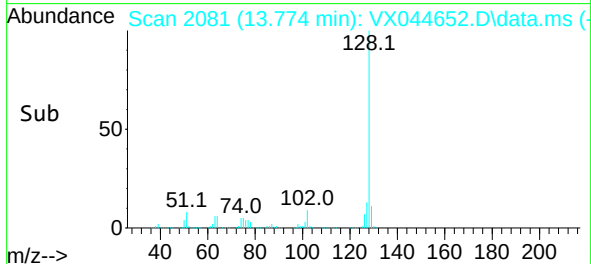
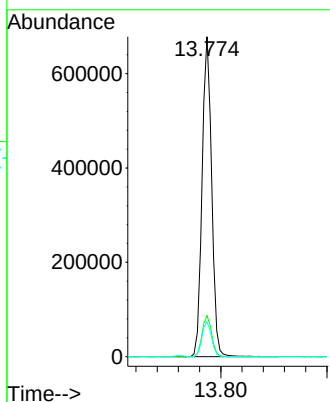
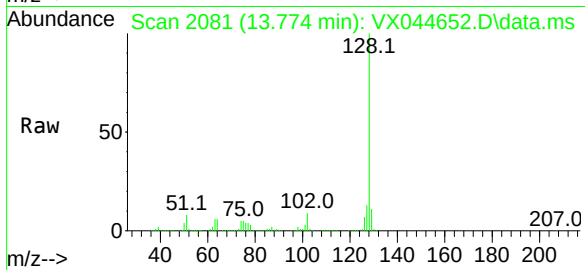




#95
Naphthalene
Concen: 98.464 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

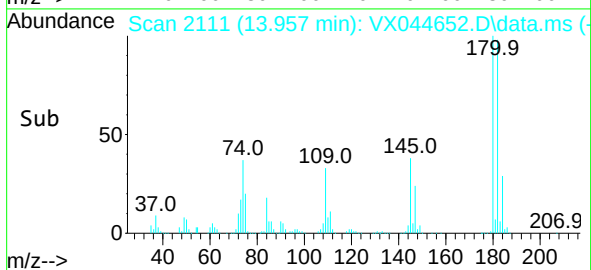
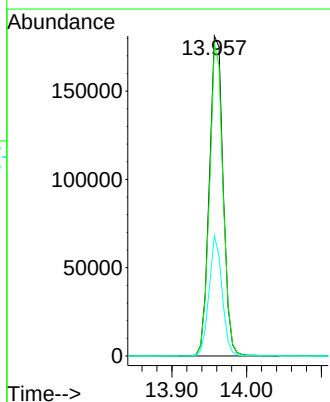
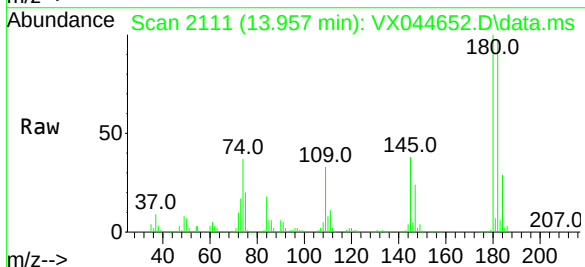
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 849403
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 100.133 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:180 Resp: 232152
Ion Ratio Lower Upper
180 100
182 96.0 47.2 141.6
145 35.5 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044653.D
 Acq On : 15 Jan 2025 13:37
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 30 04:56:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	160078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	290219	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	234362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	100996	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	377212	156.114	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 312.220%#	
35) Dibromofluoromethane	5.379	113	289994	157.288	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 314.580%#	
50) Toluene-d8	8.647	98	961550	149.572	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 299.140%#	
62) 4-Bromofluorobenzene	11.079	95	366922	153.105	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 306.200%#	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	366593	170.185	ug/l	98
3) Chloromethane	1.300	50	342210	146.909	ug/l	97
4) Vinyl Chloride	1.374	62	359721	156.293	ug/l	99
5) Bromomethane	1.593	94	87716	159.609	ug/l	97
6) Chloroethane	1.660	64	71666	169.800	ug/l	98
7) Trichlorofluoromethane	1.855	101	398544	156.676	ug/l	97
8) Diethyl Ether	2.136	74	154291	150.299	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.313	101	302048	157.960	ug/l	99
10) Methyl Iodide	2.441	142	394541	151.126	ug/l	99
11) Tert butyl alcohol	2.995	59	198451	368.414	ug/l	# 88
12) 1,1-Dichloroethene	2.306	96	296987	158.449	ug/l	99
13) Acrolein	2.239	56	193280	762.485	ug/l	99
14) Allyl chloride	2.654	41	534150	146.366	ug/l	100
15) Acrylonitrile	3.068	53	783976	742.040	ug/l	99
16) Acetone	2.392	43	708100	740.713	ug/l	100
17) Carbon Disulfide	2.495	76	803379	157.079	ug/l	99
18) Methyl Acetate	2.703	43	483139	163.814	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	1034710	152.410	ug/l	99
20) Methylene Chloride	2.782	84	325957	146.417	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	290671	148.536	ug/l	98
22) Diisopropyl ether	3.763	45	957045	150.864	ug/l	91
23) Vinyl Acetate	3.721	43	4101581	738.701	ug/l	100
24) 1,1-Dichloroethane	3.599	63	594429	158.014	ug/l	99
25) 2-Butanone	4.562	43	1079716	759.640	ug/l	100
26) 2,2-Dichloropropane	4.465	77	550106	150.882	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	370177	150.386	ug/l	99
28) Bromochloromethane	4.891	49	251238	142.922	ug/l	99
29) Tetrahydrofuran	5.007	42	689928	752.528	ug/l	99
30) Chloroform	5.086	83	579322	152.595	ug/l	99
31) Cyclohexane	5.458	56	476106	156.483	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	522062	149.582	ug/l	99
36) 1,1-Dichloropropene	5.684	75	386304	150.517	ug/l	99
37) Ethyl Acetate	4.715	43	433924	158.764	ug/l	99
38) Carbon Tetrachloride	5.666	117	437442	151.528	ug/l	99
39) Methylcyclohexane	7.373	83	534976	157.021	ug/l	99
40) Benzene	6.031	78	1205057	151.523	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044653.D
 Acq On : 15 Jan 2025 13:37
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 30 04:56:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	238601	149.816	ug/l	98
42) 1,2-Dichloroethane	6.080	62	446380	153.782	ug/l	98
43) Isopropyl Acetate	6.336	43	761866	151.528	ug/l	100
44) Trichloroethene	7.117	130	309226	161.735	ug/l	96
45) 1,2-Dichloropropane	7.421	63	308641	154.175	ug/l	99
46) Dibromomethane	7.574	93	231674	152.021	ug/l	99
47) Bromodichloromethane	7.818	83	471682	150.924	ug/l	99
48) Methyl methacrylate	7.690	41	368626	157.946	ug/l	99
49) 1,4-Dioxane	7.671	88	146350	3005.585	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1994498	717.818	ug/l	100
52) Toluene	8.714	92	699585	143.719	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	490414	151.880	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	524796	149.891	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	279505	141.923	ug/l	99
56) Ethyl methacrylate	9.116	69	499842	147.609	ug/l	100
57) 1,3-Dichloropropane	9.305	76	485347	144.720	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	1178391	708.825	ug/l	99
59) 2-Hexanone	9.433	43	1482861	725.401	ug/l	99
60) Dibromochloromethane	9.519	129	335937	145.333	ug/l	99
61) 1,2-Dibromoethane	9.604	107	296982	143.893	ug/l	100
64) Tetrachloroethene	9.269	164	229004	155.612	ug/l	98
65) Chlorobenzene	10.079	112	750161	150.697	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	276991	153.108	ug/l	99
67) Ethyl Benzene	10.189	91	1315242	151.424	ug/l	99
68) m/p-Xylenes	10.299	106	941355	292.054	ug/l	100
69) o-Xylene	10.640	106	473907	145.386	ug/l	98
70) Styrene	10.652	104	792889	150.660	ug/l	100
71) Bromoform	10.799	173	232464	157.877	ug/l	99
73) Isopropylbenzene	10.957	105	1207427	146.343	ug/l	100
74) N-amyl acetate	10.841	43	622491	153.069	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	415068	145.660	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	505752	206.343	ug/l	78
77) Bromobenzene	11.195	156	288579	149.641	ug/l	100
78) n-propylbenzene	11.305	91	1375979	151.223	ug/l	100
79) 2-Chlorotoluene	11.366	91	857617	145.911	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	959600	142.870	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	171786	160.280	ug/l	99
82) 4-Chlorotoluene	11.451	91	957835	148.761	ug/l	100
83) tert-Butylbenzene	11.713	119	999760	142.356	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	991595	145.281	ug/l	100
85) sec-Butylbenzene	11.890	105	1214662	148.543	ug/l	100
86) p-Isopropyltoluene	12.006	119	1000632	148.902	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	521112	155.816	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	516467	152.762	ug/l	99
89) n-Butylbenzene	12.329	91	904589	156.724	ug/l	99
90) Hexachloroethane	12.536	117	222866	146.455	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	511280	148.860	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	107815	154.709	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	352298	171.582	ug/l	99
94) Hexachlorobutadiene	13.725	225	129218	160.216	ug/l	99
95) Naphthalene	13.774	128	1285749	162.361	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	350134	164.515	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044653.D
Acq On : 15 Jan 2025 13:37
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

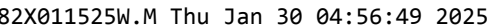
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MSVOA_X
ClientSampleId :
VSTDICC150

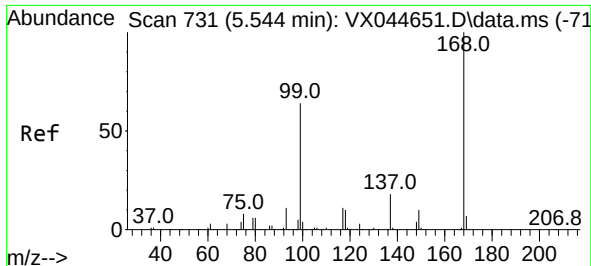
Quant Time: Jan 30 04:56:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

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

Quant Time: Jan 30 04:56:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

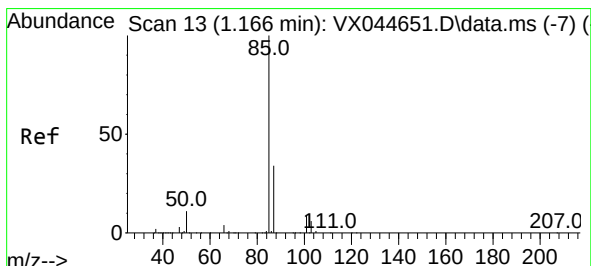
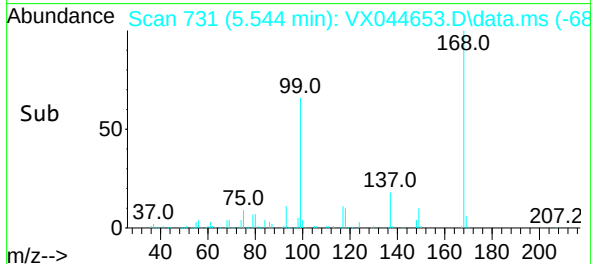
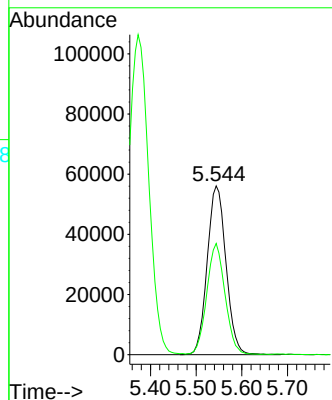
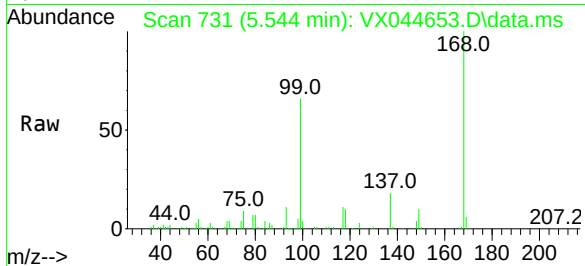




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

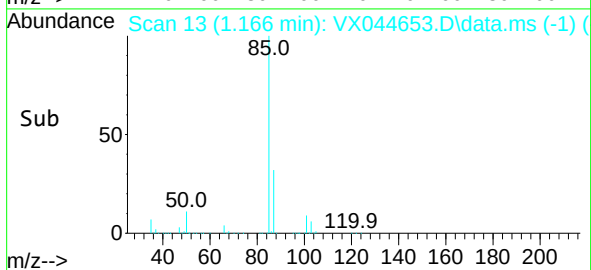
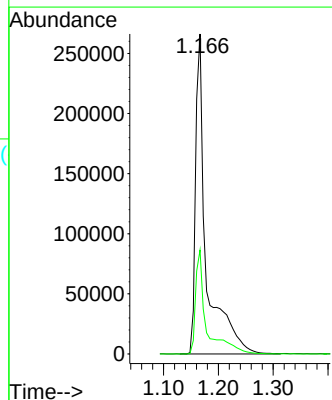
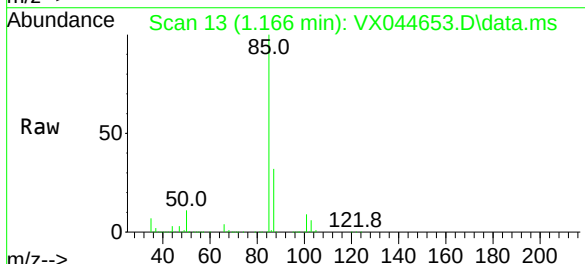
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

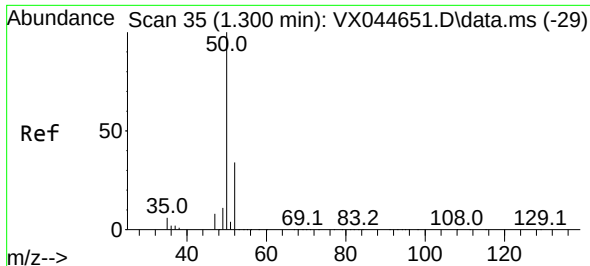
Tgt Ion:168 Resp: 160078
Ion Ratio Lower Upper
168 100
99 65.5 51.1 76.7



#2
Dichlorodifluoromethane
Concen: 170.185 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 85 Resp: 366593
Ion Ratio Lower Upper
85 100
87 32.5 16.8 50.4

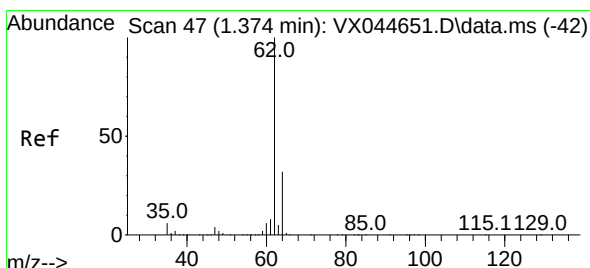
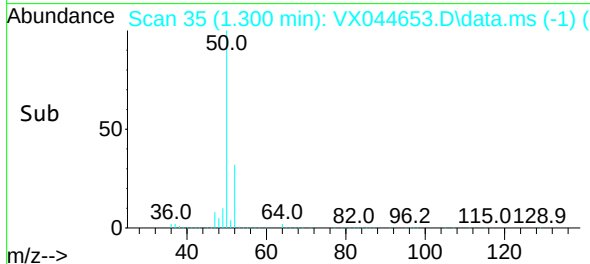
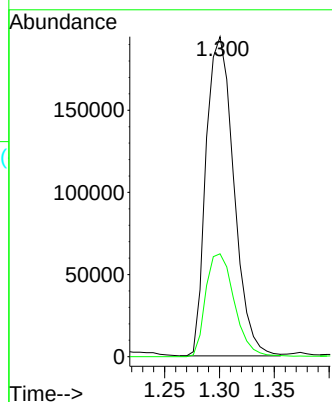
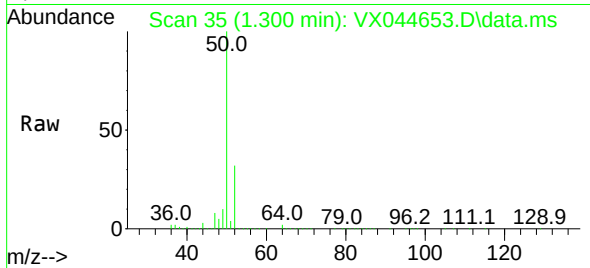




#3
Chloromethane
Concen: 146.909 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

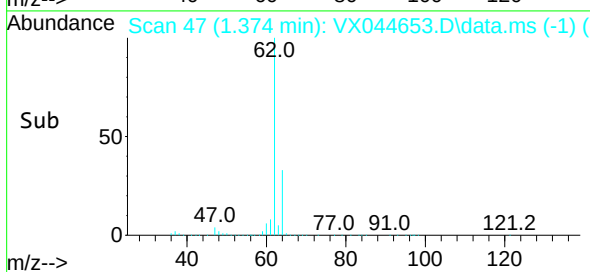
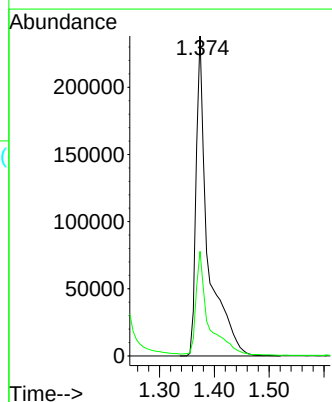
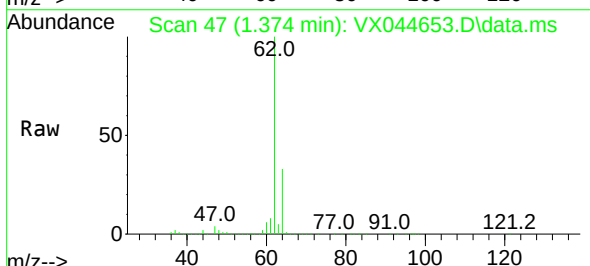
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

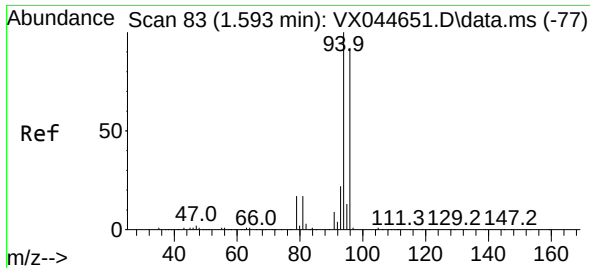
Tgt Ion: 50 Resp: 342210
Ion Ratio Lower Upper
50 100
52 32.2 27.0 40.4



#4
Vinyl Chloride
Concen: 156.293 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 62 Resp: 359721
Ion Ratio Lower Upper
62 100
64 32.5 26.6 39.8

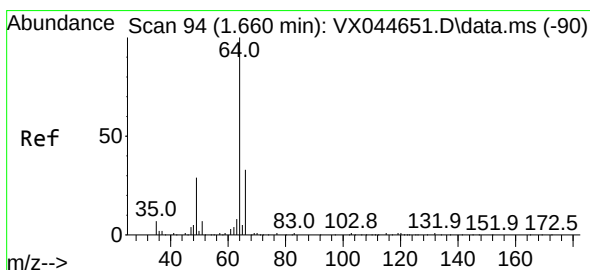
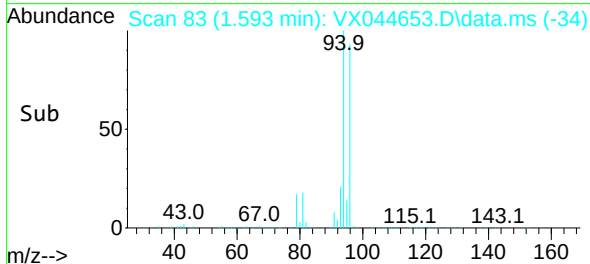
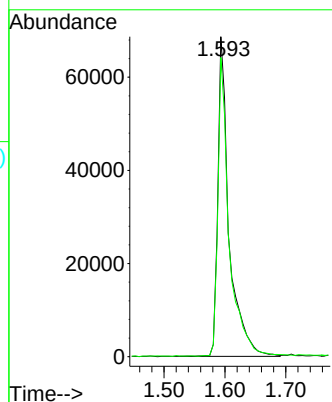
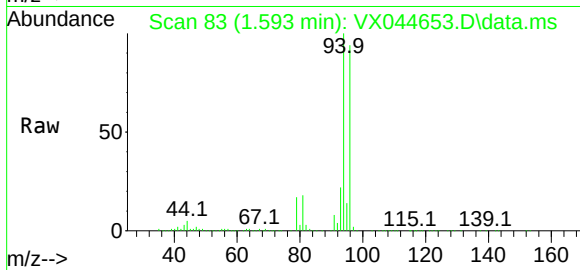




#5
Bromomethane
Concen: 159.609 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

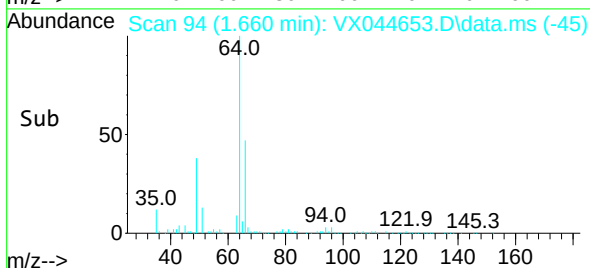
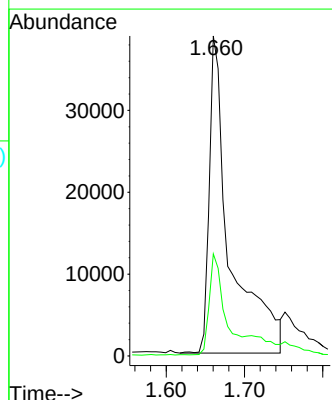
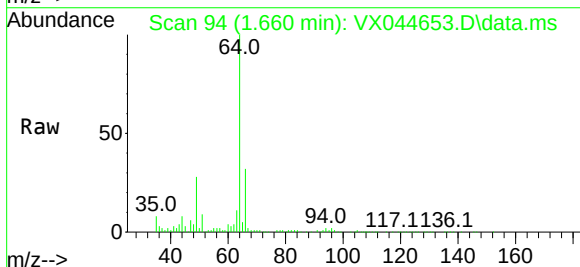
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

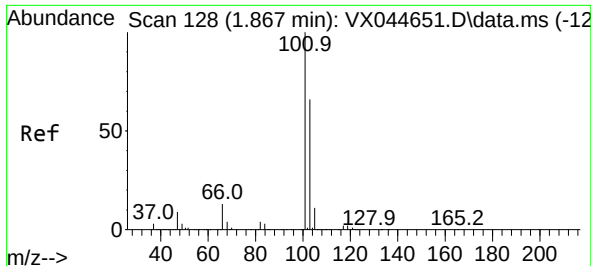
Tgt Ion: 94 Resp: 87716
Ion Ratio Lower Upper
94 100
96 93.4 72.8 109.2



#6
Chloroethane
Concen: 169.800 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 64 Resp: 71666
Ion Ratio Lower Upper
64 100
66 31.8 26.6 39.8

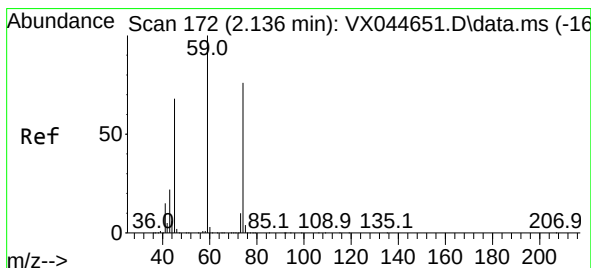
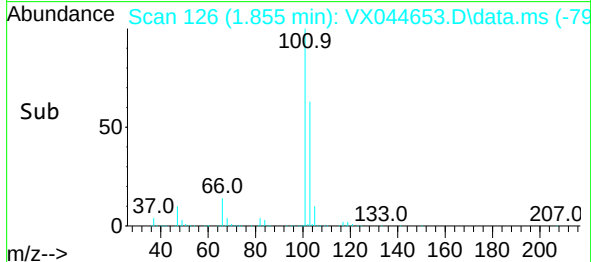
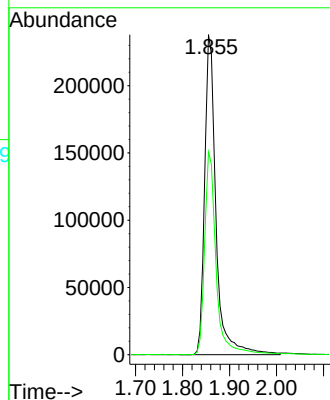
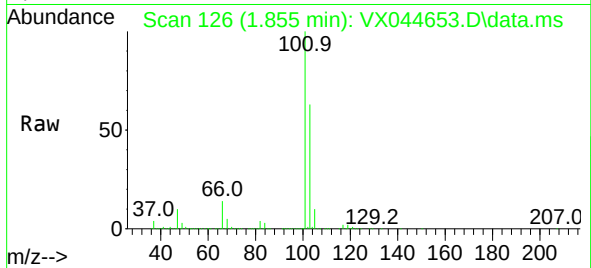




#7
 Trichlorofluoromethane
 Concen: 156.676 ug/l
 RT: 1.855 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: VX044653.D
 Acq: 15 Jan 2025 13:37

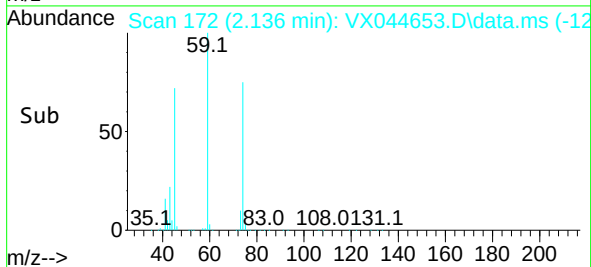
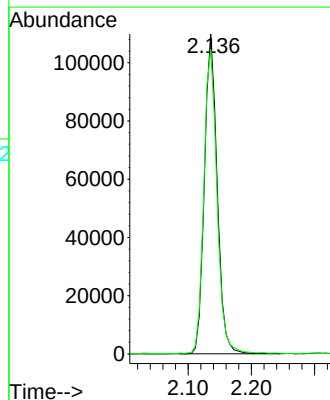
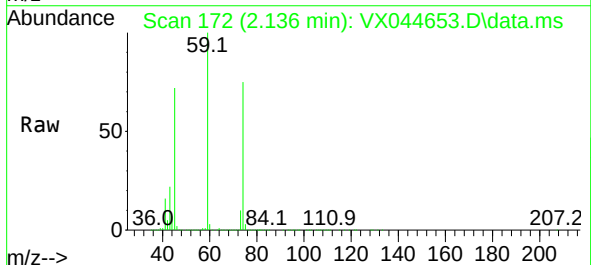
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

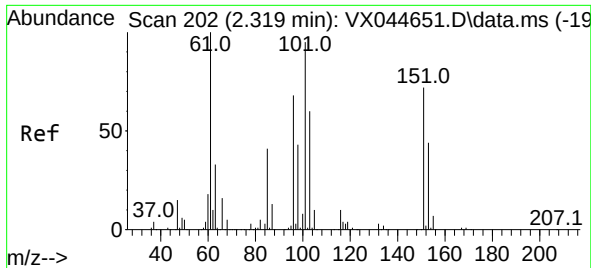
Tgt Ion:101 Resp: 398544
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.5 78.7



#8
 Diethyl Ether
 Concen: 150.299 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. 0.000 min
 Lab File: VX044653.D
 Acq: 15 Jan 2025 13:37

Tgt Ion: 74 Resp: 154291
 Ion Ratio Lower Upper
 74 100
 45 98.3 47.1 141.3

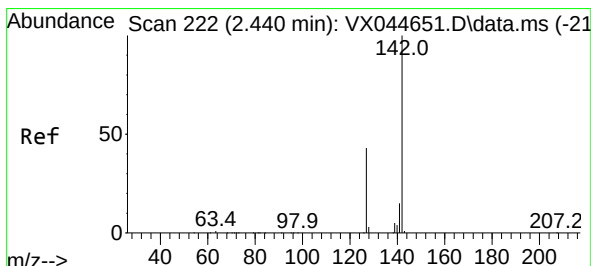
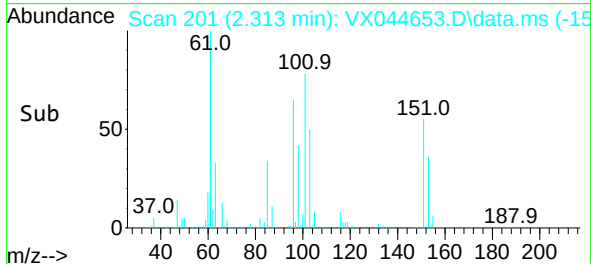
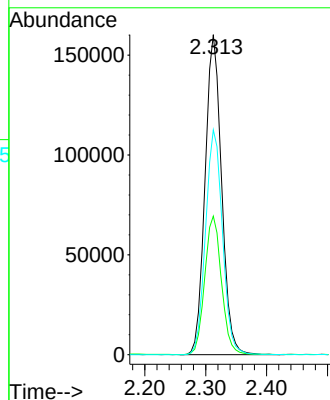
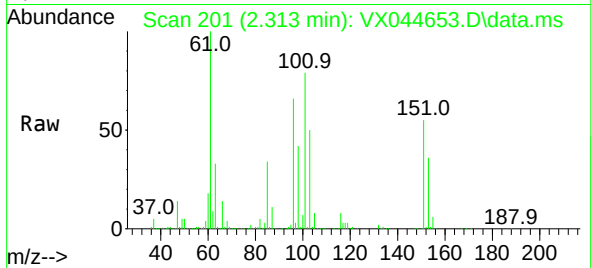




#9
1,1,2-Trichlorotrifluoroethane
Concen: 157.960 ug/l
RT: 2.313 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

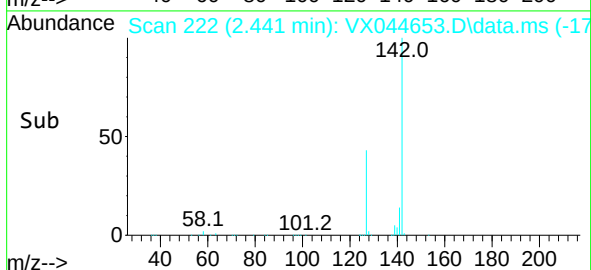
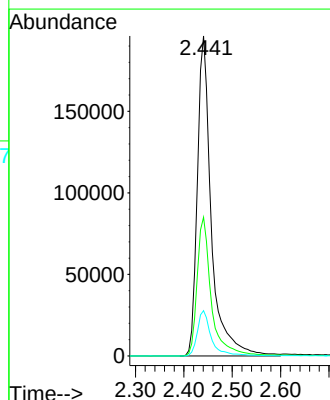
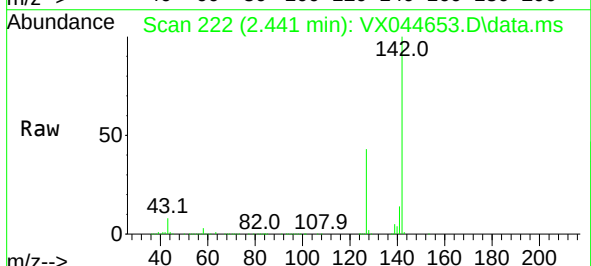
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

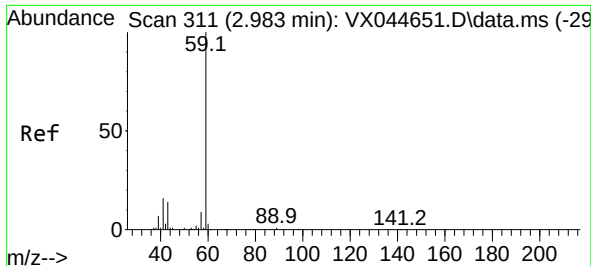
Tgt Ion:101 Resp: 302048
Ion Ratio Lower Upper
101 100
85 43.8 35.3 52.9
151 72.0 58.2 87.4



#10
Methyl Iodide
Concen: 151.126 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:142 Resp: 394541
Ion Ratio Lower Upper
142 100
127 44.4 35.0 52.4
141 14.2 11.7 17.5

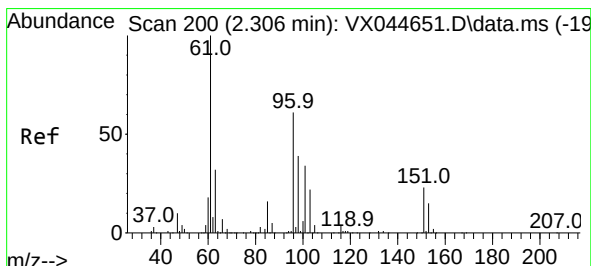
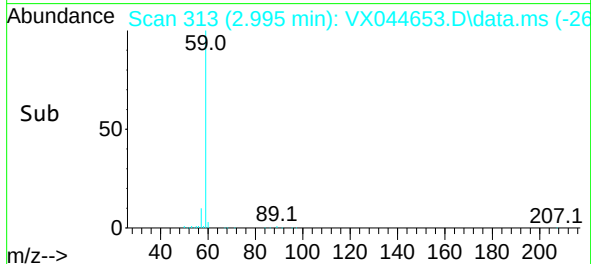
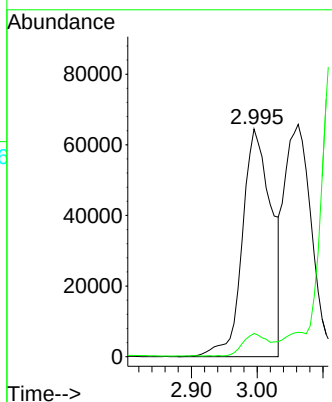
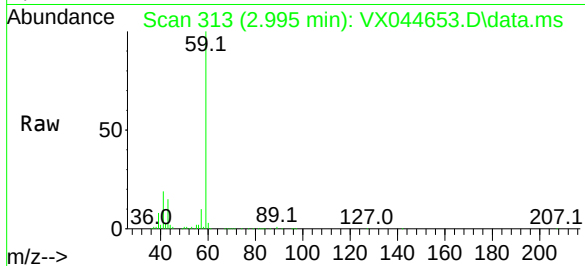




#11
Tert butyl alcohol
Concen: 368.414 ug/l
RT: 2.995 min Scan# 311
Delta R.T. 0.012 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

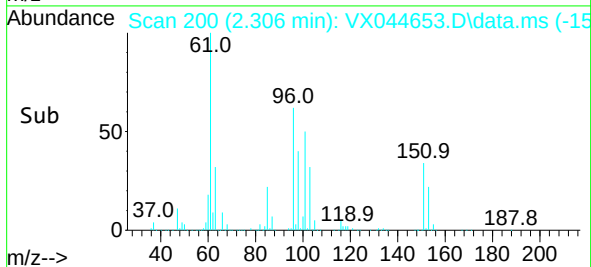
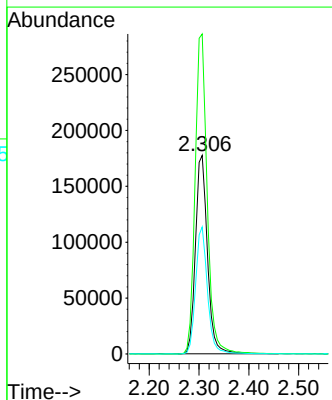
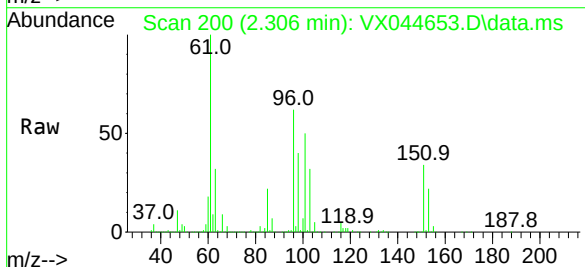
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

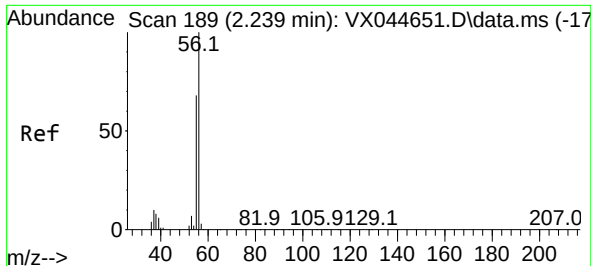
Tgt Ion: 59 Resp: 198451
Ion Ratio Lower Upper
59 100
57 8.8 3.9 5.9#



#12
1,1-Dichloroethene
Concen: 158.449 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 96 Resp: 296987
Ion Ratio Lower Upper
96 100
61 161.3 131.1 196.7
98 64.0 51.2 76.8

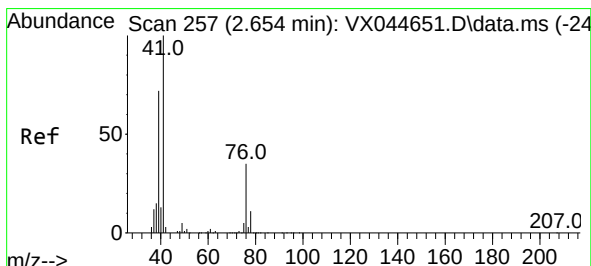
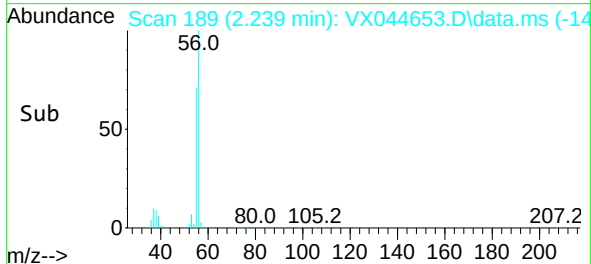
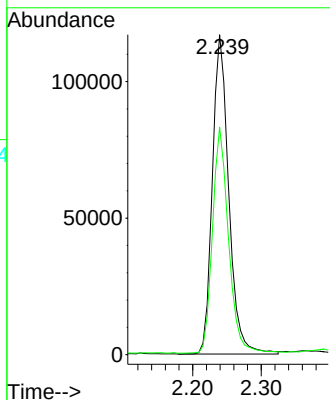
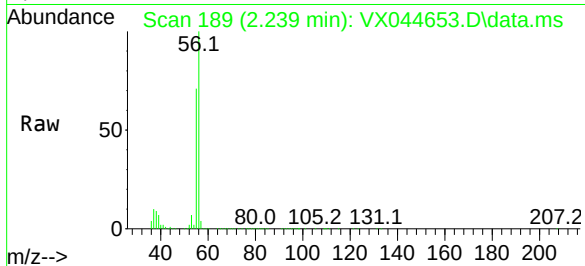




#13
Acrolein
Concen: 762.485 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

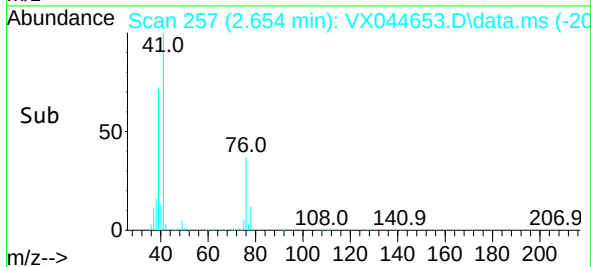
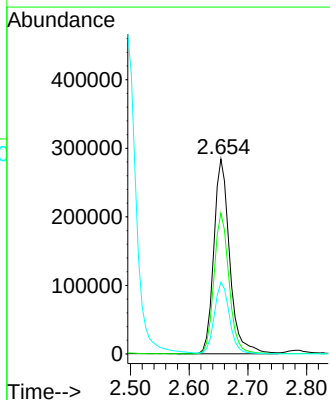
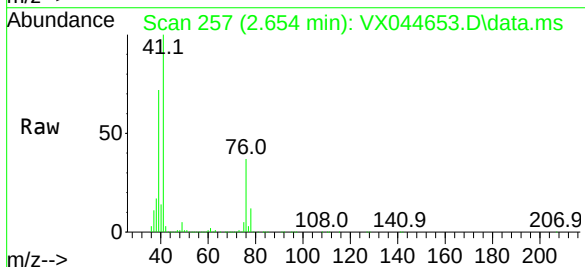
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

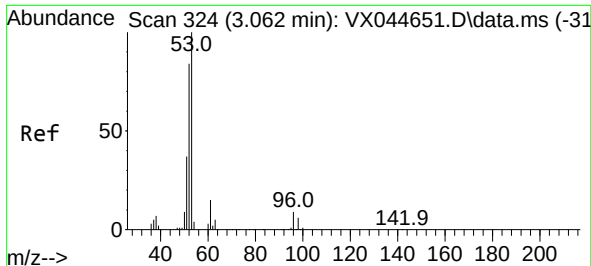
Tgt Ion: 56 Resp: 193280
Ion Ratio Lower Upper
56 100
55 69.9 55.1 82.7



#14
Allyl chloride
Concen: 146.366 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 41 Resp: 534150
Ion Ratio Lower Upper
41 100
39 68.7 54.9 82.3
76 34.9 28.4 42.6





#15

Acrylonitrile

Concen: 742.040 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

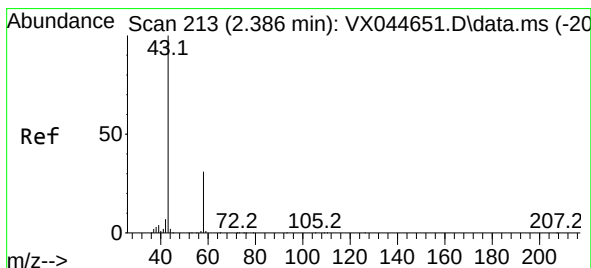
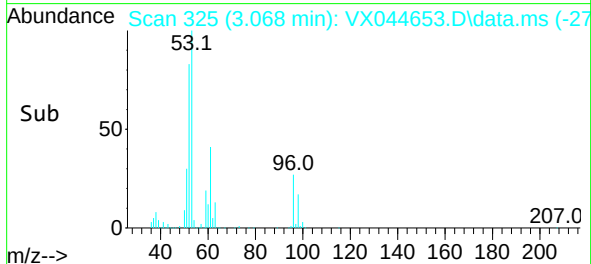
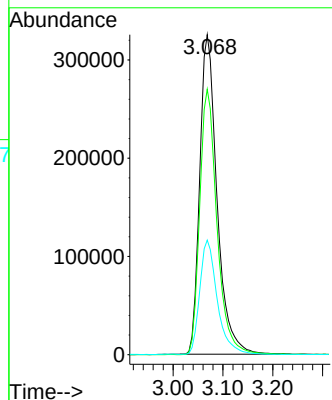
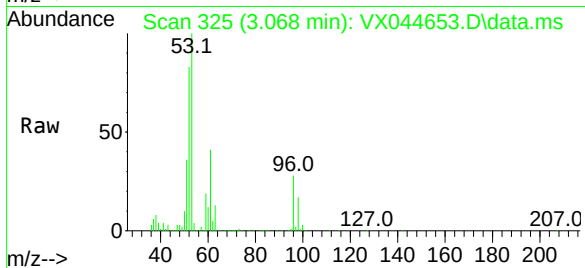
Tgt Ion: 53 Resp: 783976

Ion Ratio Lower Upper

53 100

52 83.1 66.0 99.0

51 36.2 28.9 43.3



#16

Acetone

Concen: 740.713 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX044653.D

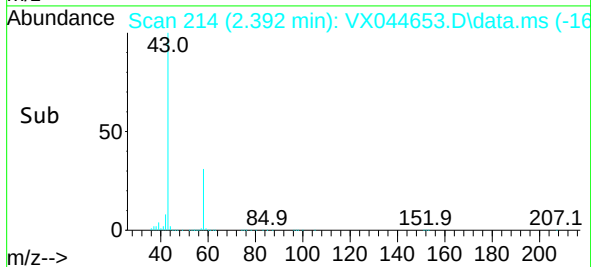
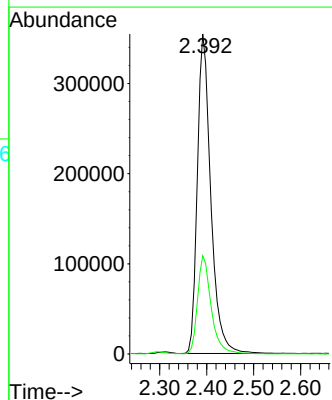
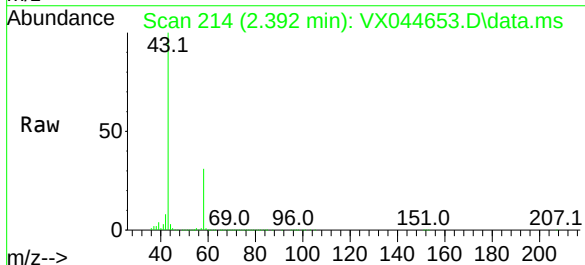
Acq: 15 Jan 2025 13:37

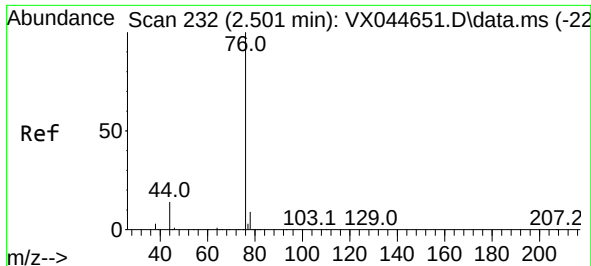
Tgt Ion: 43 Resp: 708100

Ion Ratio Lower Upper

43 100

58 30.7 24.6 37.0

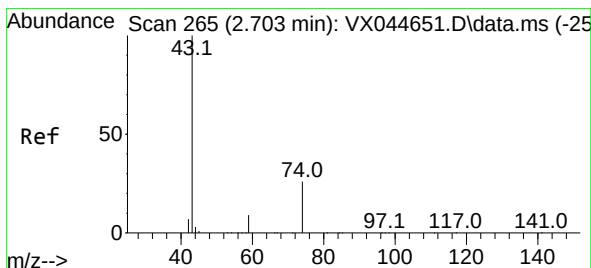
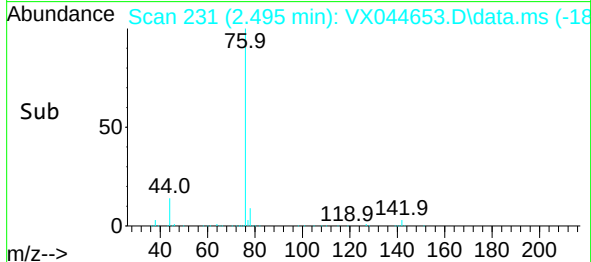
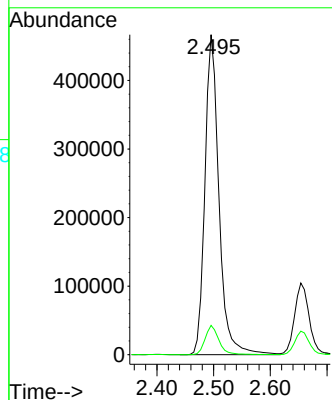
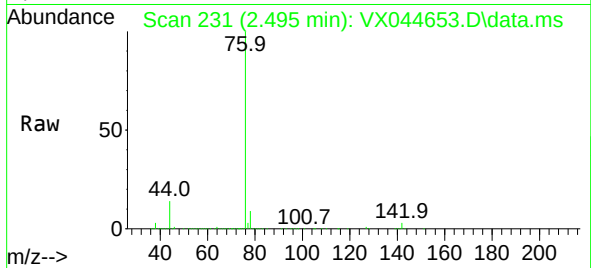




#17
Carbon Disulfide
Concen: 157.079 ug/l
RT: 2.495 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

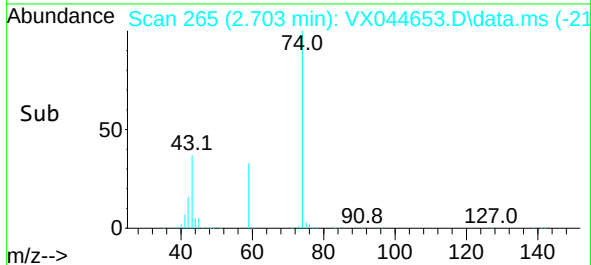
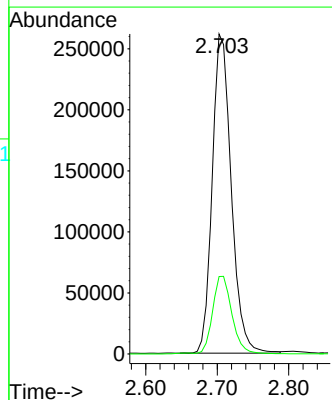
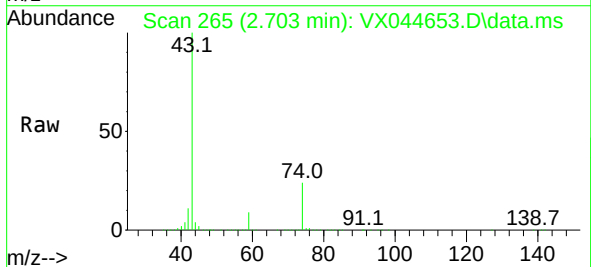
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

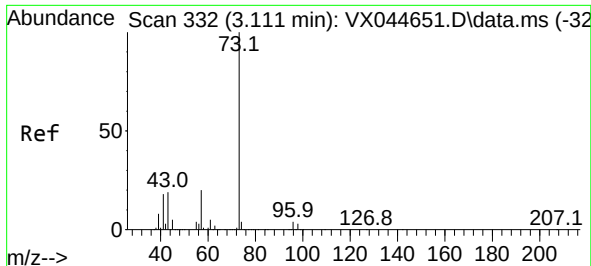
Tgt Ion: 76 Resp: 803379
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 163.814 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 43 Resp: 483139
Ion Ratio Lower Upper
43 100
74 24.7 19.8 29.8

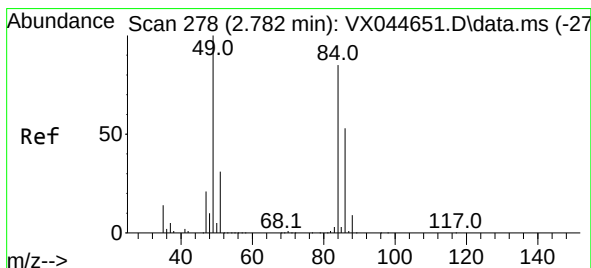
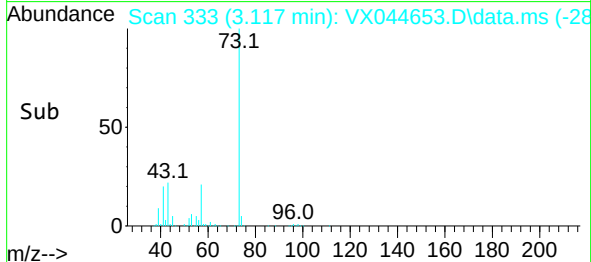
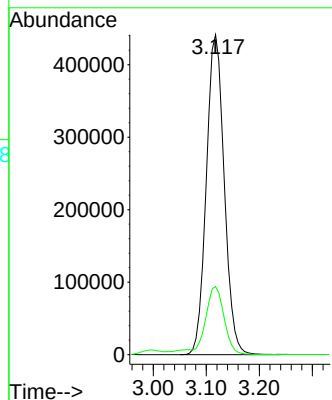
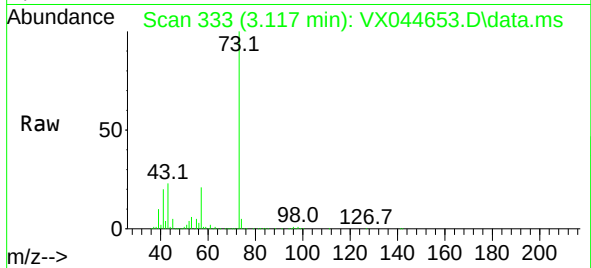




#19
Methyl tert-butyl Ether
Concen: 152.410 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

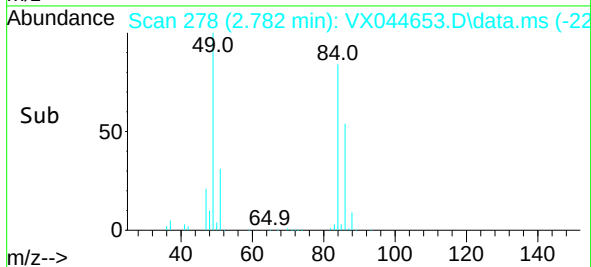
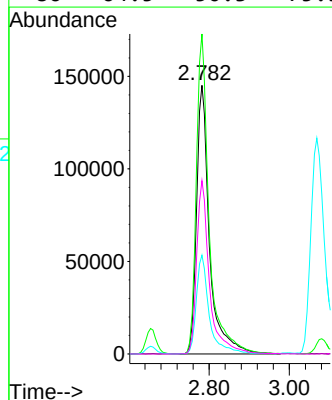
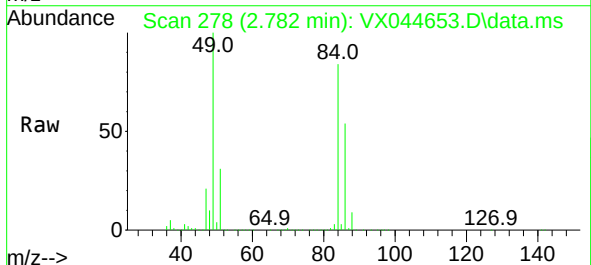
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

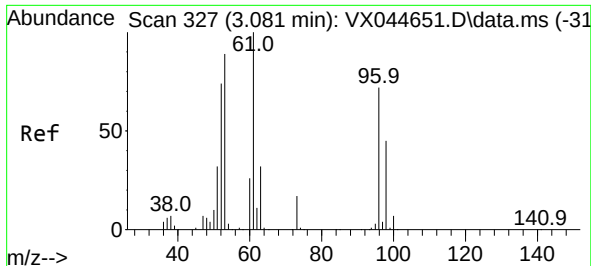
Tgt Ion: 73 Resp: 1034710
Ion Ratio Lower Upper
73 100
57 21.2 17.4 26.0



#20
Methylene Chloride
Concen: 146.417 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 84 Resp: 325957
Ion Ratio Lower Upper
84 100
49 119.1 94.2 141.4
51 36.7 28.8 43.2
86 64.5 50.3 75.5

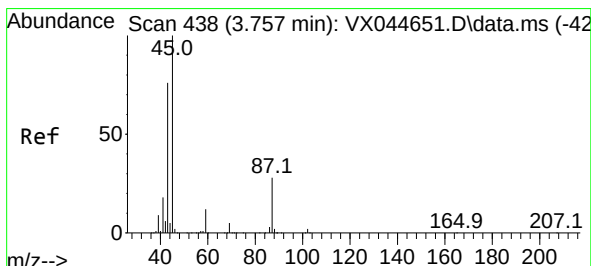
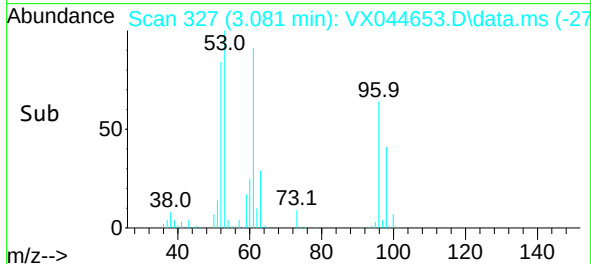
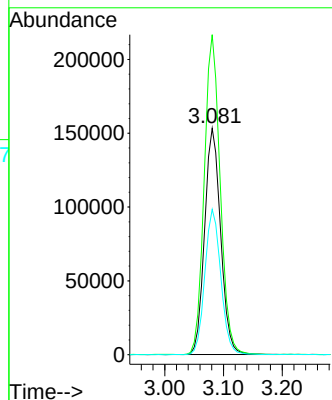
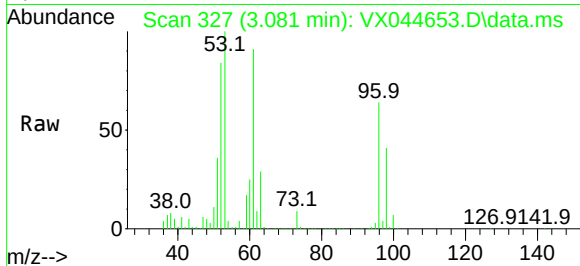




#21
trans-1,2-Dichloroethene
Concen: 148.536 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

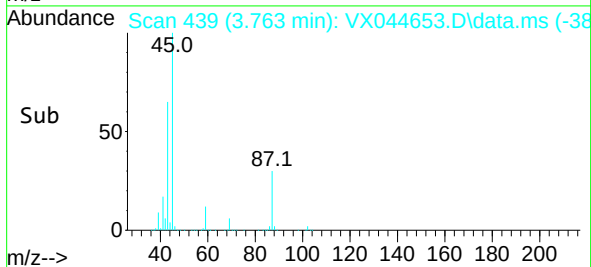
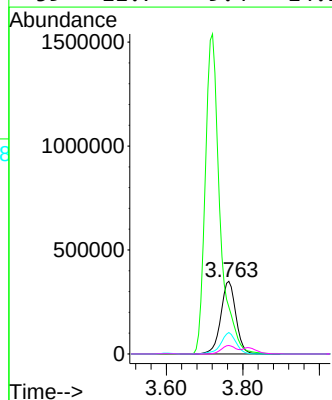
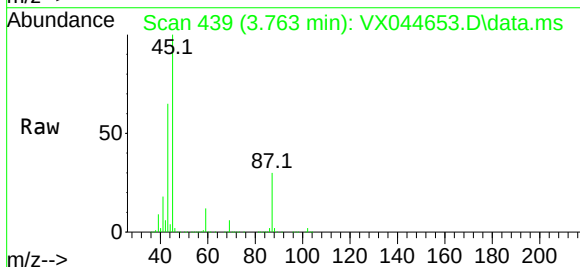
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

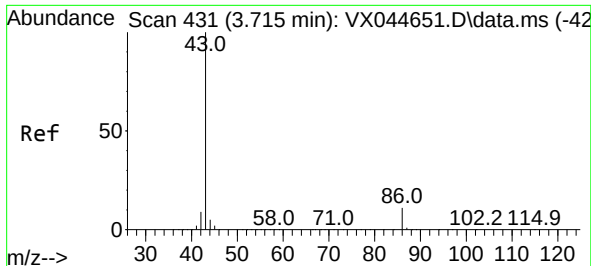
Tgt Ion: 96 Resp: 290671
Ion Ratio Lower Upper
96 100
61 141.3 111.0 166.6
98 64.2 50.2 75.2



#22
Diisopropyl ether
Concen: 150.864 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 45 Resp: 957045
Ion Ratio Lower Upper
45 100
43 64.8 61.0 91.6
87 29.6 22.7 34.1
59 11.7 9.4 14.2

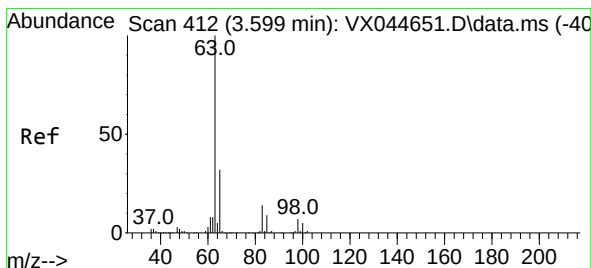
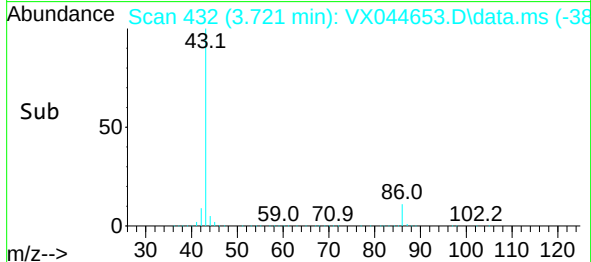
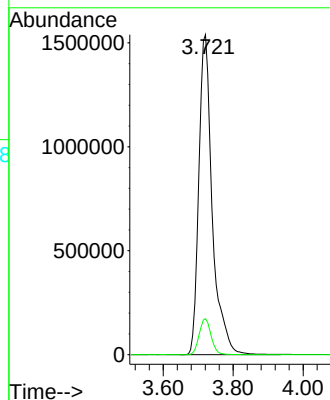
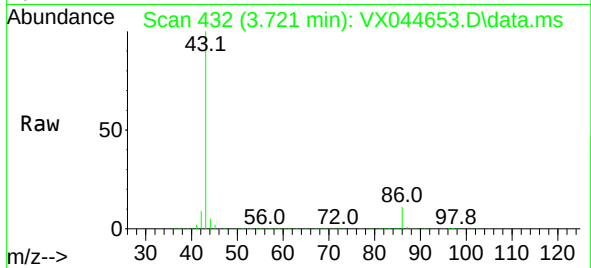




#23
Vinyl Acetate
Concen: 738.701 ug/l
RT: 3.721 min Scan# 411
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

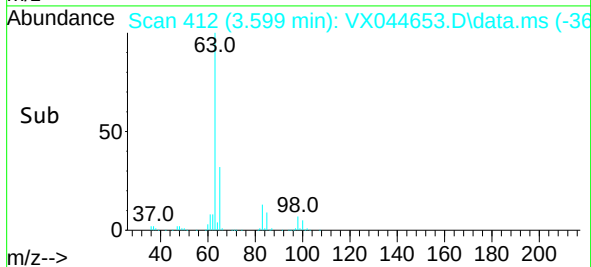
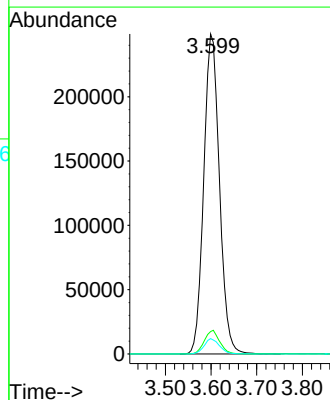
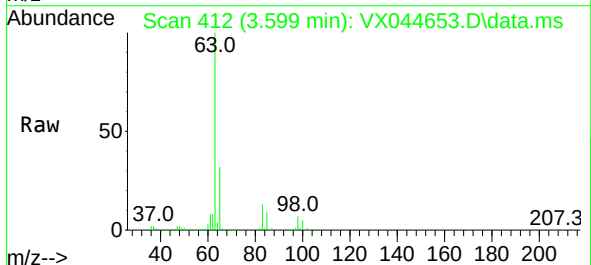
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

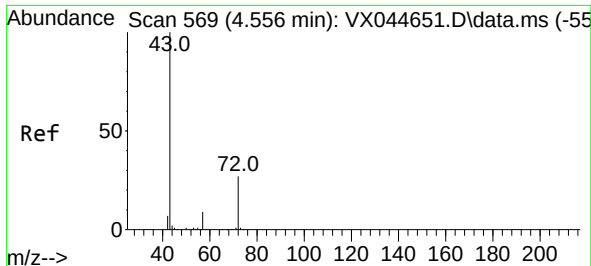
Tgt Ion: 43 Resp: 4101581
Ion Ratio Lower Upper
43 100
86 11.3 8.9 13.3



#24
1,1-Dichloroethane
Concen: 158.014 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 63 Resp: 594429
Ion Ratio Lower Upper
63 100
98 7.0 3.6 10.9
100 4.8 2.5 7.5

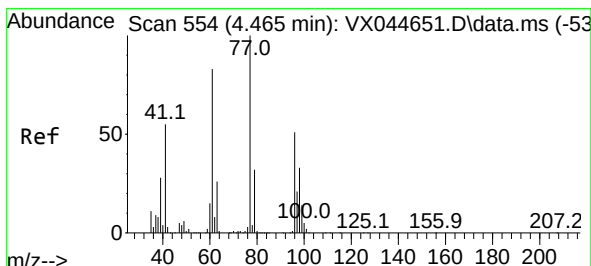
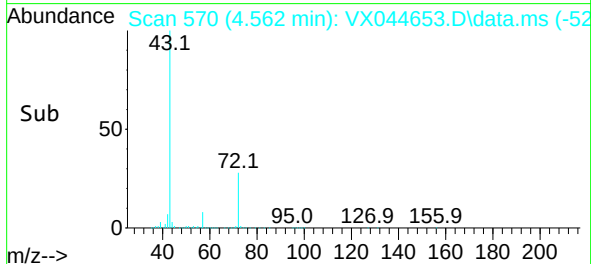
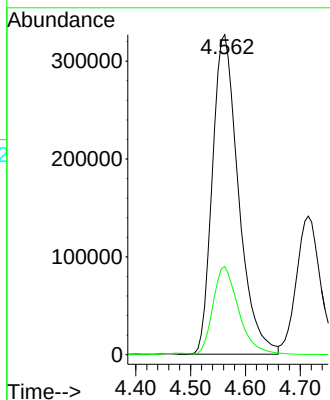
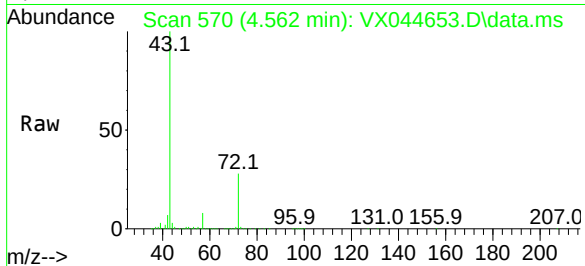




#25
2-Butanone
Concen: 759.640 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

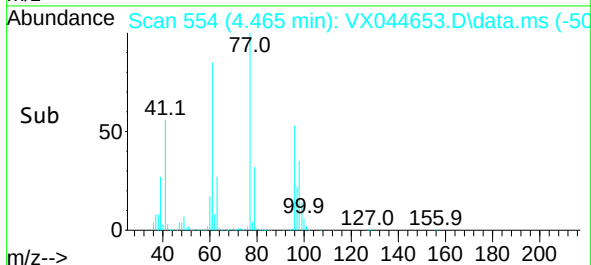
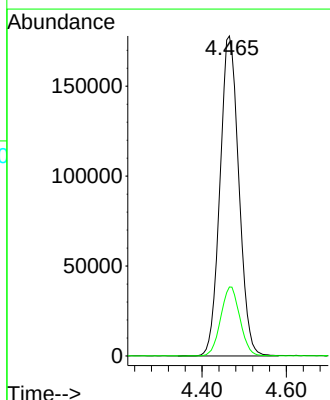
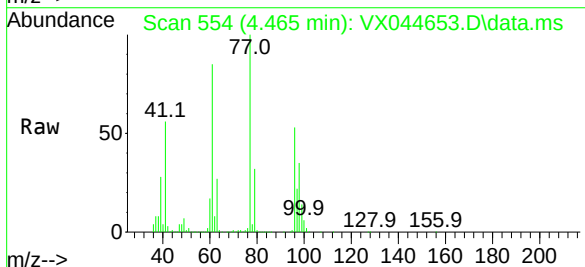
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

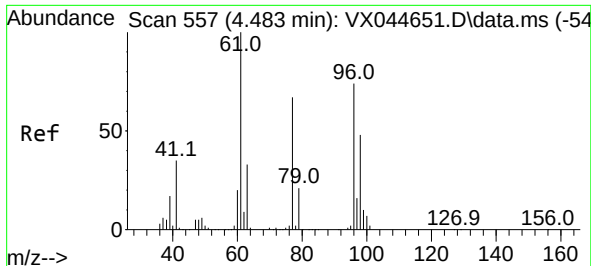
Tgt Ion: 43 Resp: 1079716
Ion Ratio Lower Upper
43 100
72 27.1 21.7 32.5



#26
2,2-Dichloropropane
Concen: 150.882 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 77 Resp: 550106
Ion Ratio Lower Upper
77 100
97 22.0 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 150.386 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

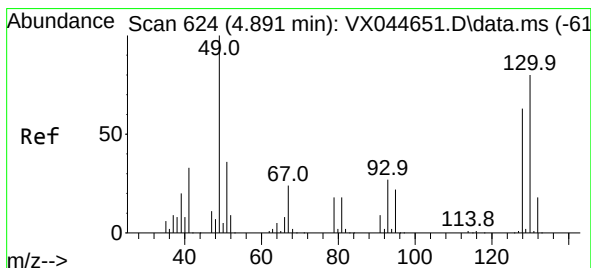
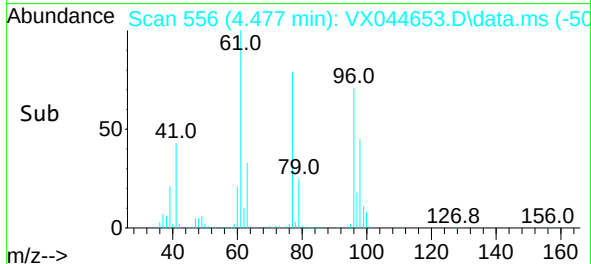
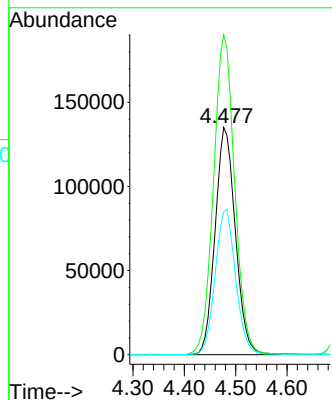
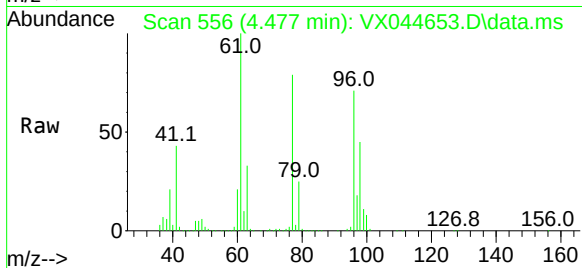
Tgt Ion: 96 Resp: 370177

Ion Ratio Lower Upper

96 100

61 147.0 0.0 296.0

98 64.4 0.0 130.0



#28

Bromochloromethane

Concen: 142.922 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

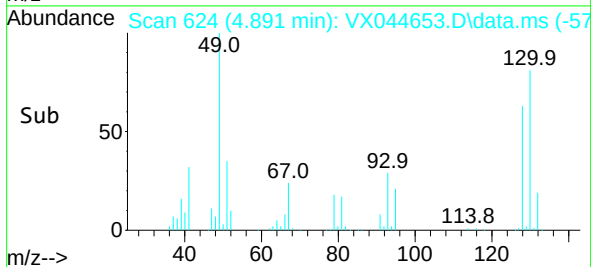
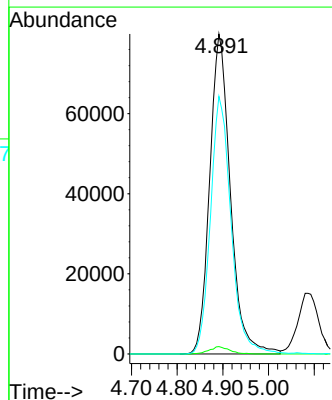
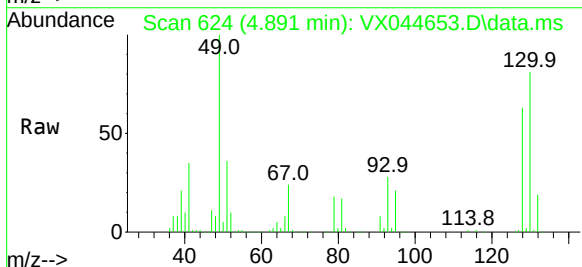
Tgt Ion: 49 Resp: 251238

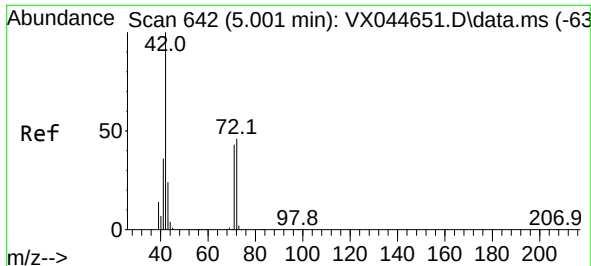
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 80.2 63.4 95.2





#29

Tetrahydrofuran

Concen: 752.528 ug/l

RT: 5.007 min Scan# 642

Delta R.T. 0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

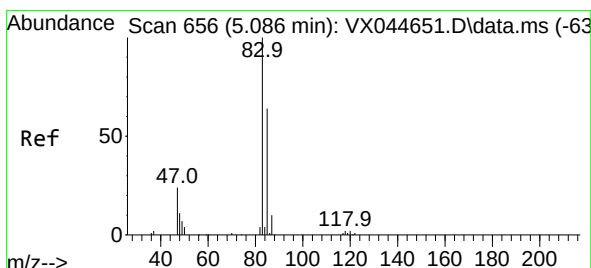
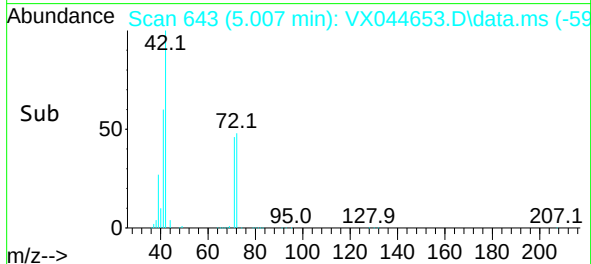
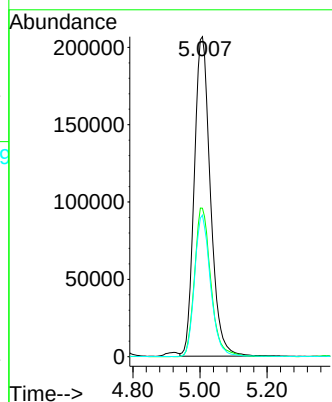
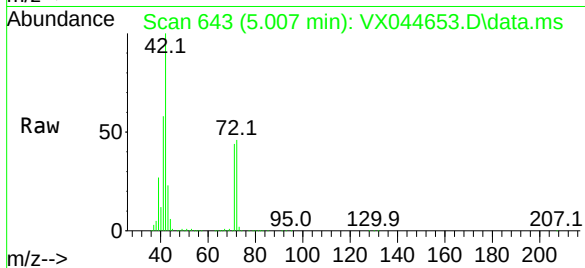
Tgt Ion: 42 Resp: 689928

Ion Ratio Lower Upper

42 100

72 47.0 38.2 57.4

71 43.6 35.3 52.9



#30

Chloroform

Concen: 152.595 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044653.D

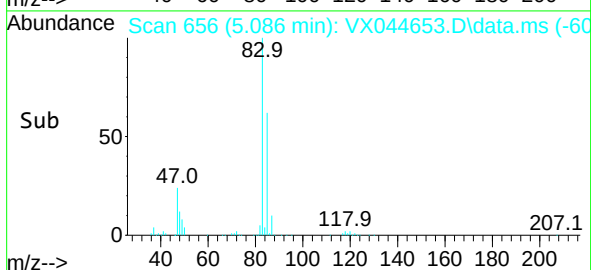
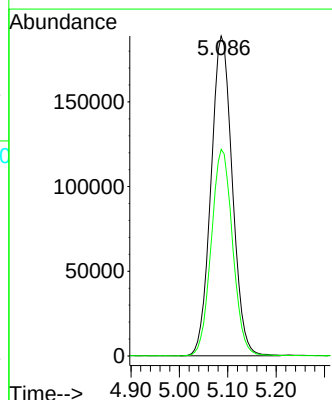
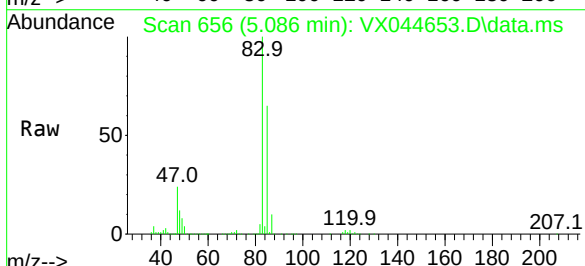
Acq: 15 Jan 2025 13:37

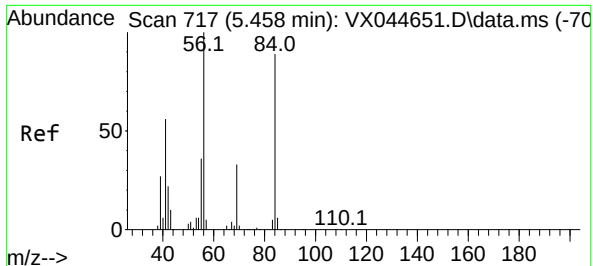
Tgt Ion: 83 Resp: 579322

Ion Ratio Lower Upper

83 100

85 64.5 51.2 76.8

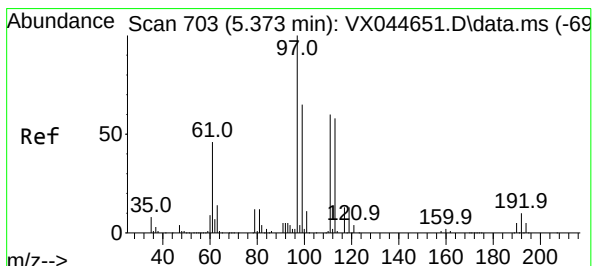
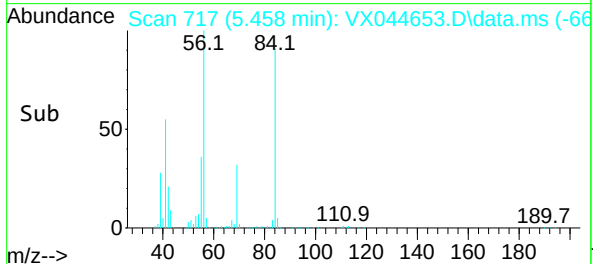
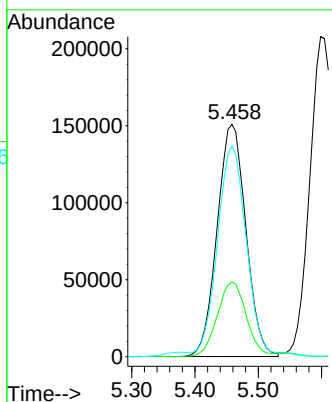
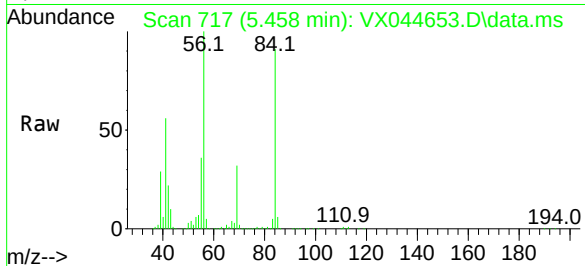




#31
Cyclohexane
Concen: 156.483 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

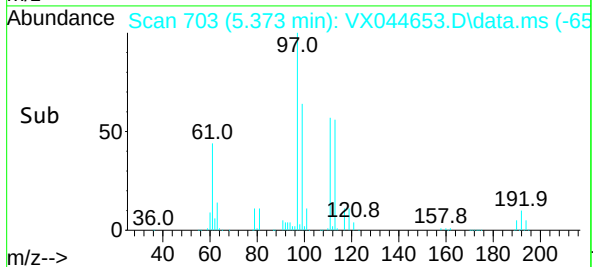
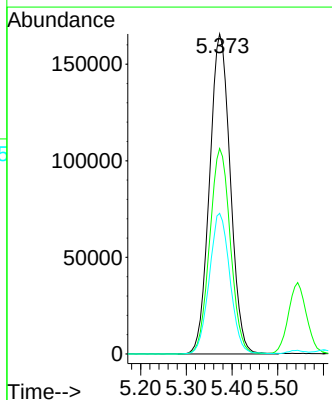
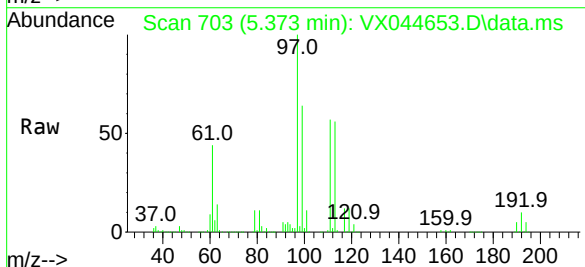
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

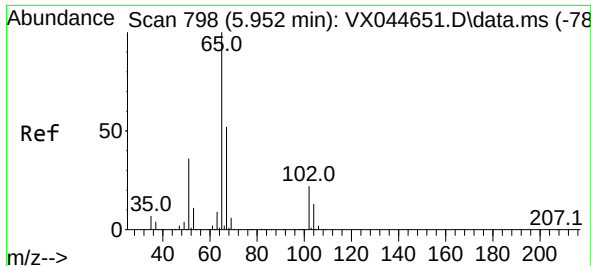
Tgt Ion: 56 Resp: 476106
Ion Ratio Lower Upper
56 100
69 32.1 26.8 40.2
84 89.3 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 149.582 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 97 Resp: 522062
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 43.9 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 156.114 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

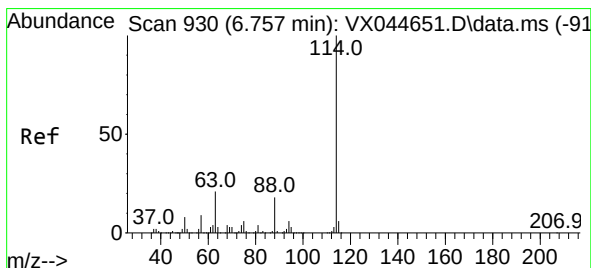
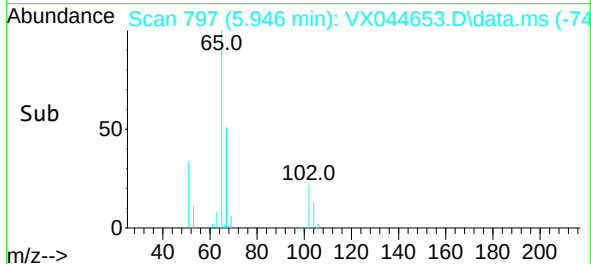
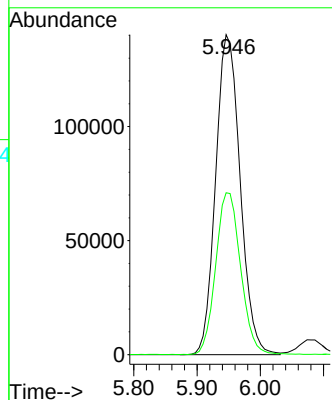
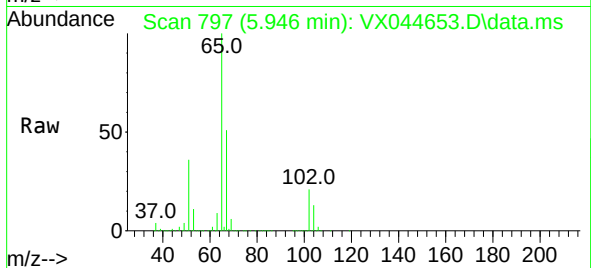
VSTDIC150

Tgt Ion: 65 Resp: 377212

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

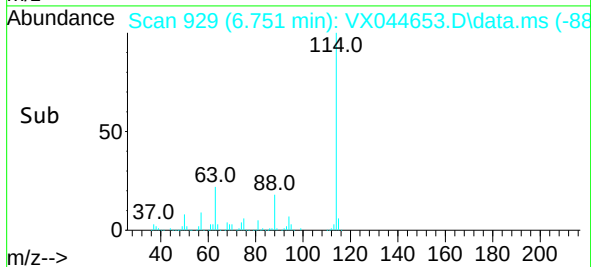
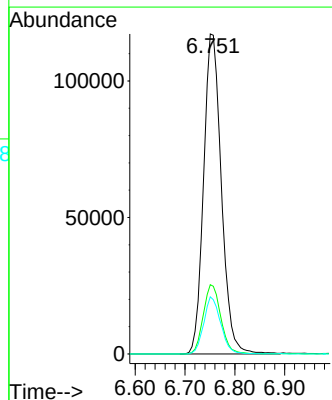
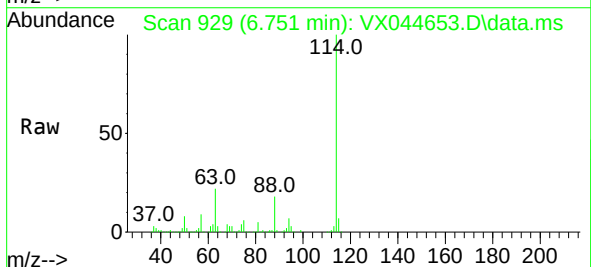
Tgt Ion: 114 Resp: 290219

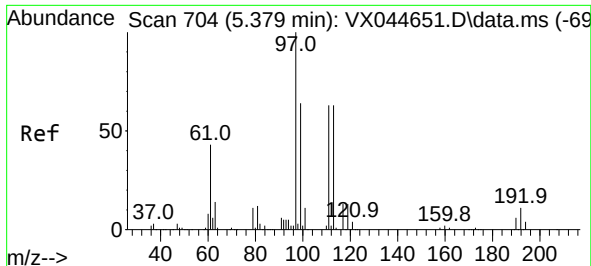
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.0

88 17.8 0.0 35.4





#35

Dibromofluoromethane

Concen: 157.288 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

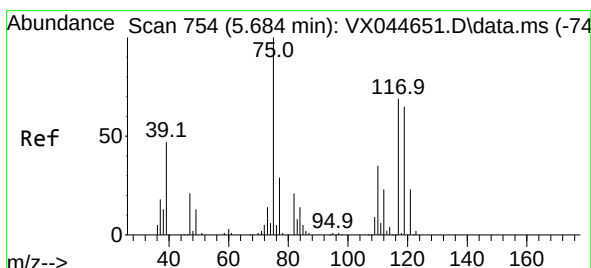
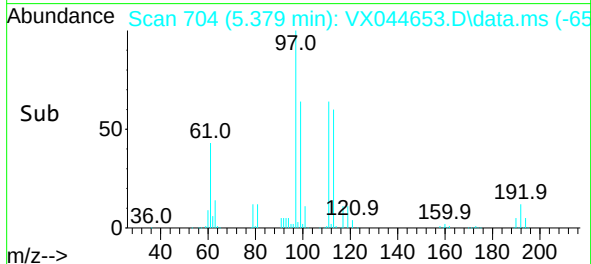
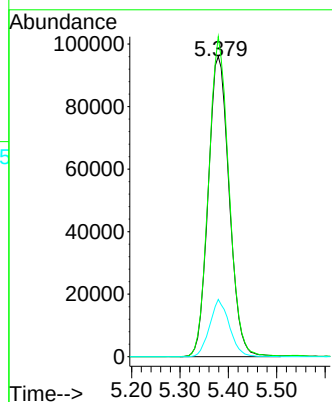
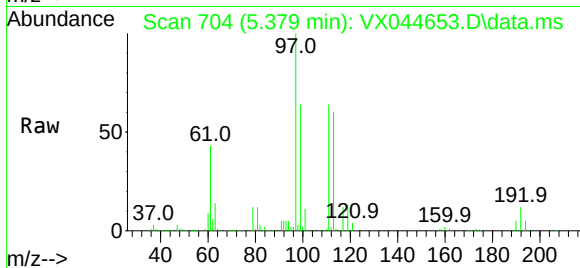
Tgt Ion:113 Resp: 289994

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

192 17.9 14.4 21.6



#36

1,1-Dichloropropene

Concen: 150.517 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

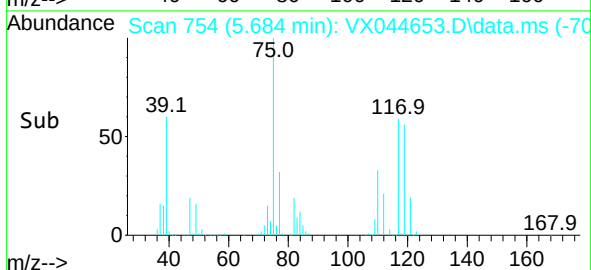
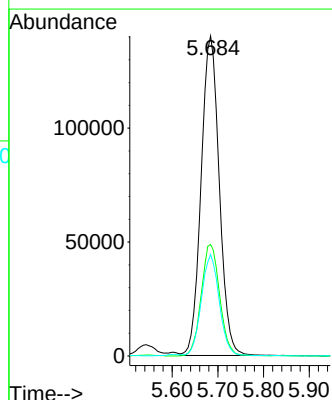
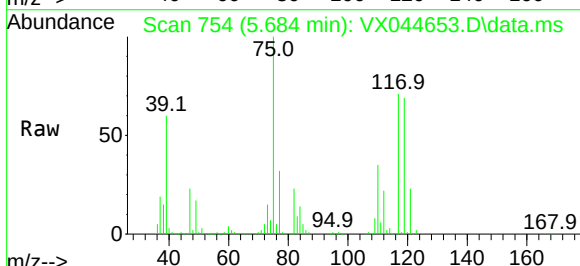
Tgt Ion: 75 Resp: 386304

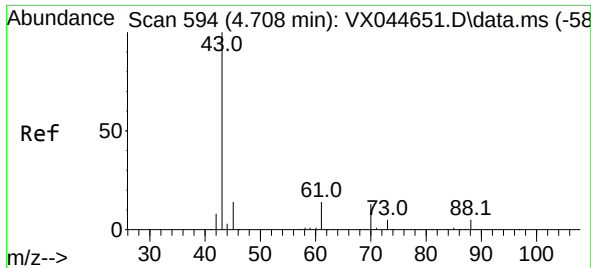
Ion Ratio Lower Upper

75 100

110 35.5 17.9 53.8

77 31.1 24.5 36.7

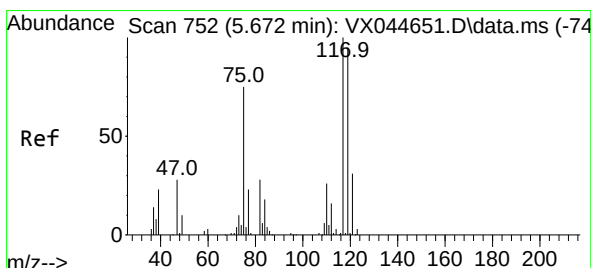
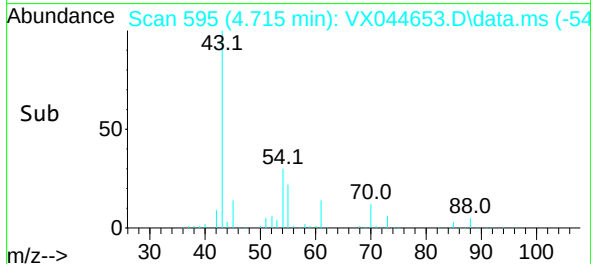
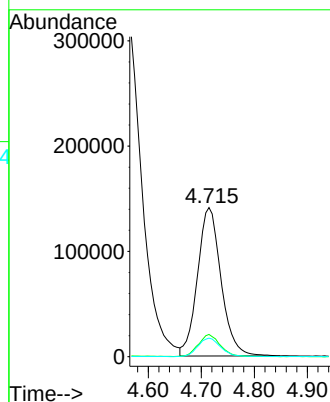
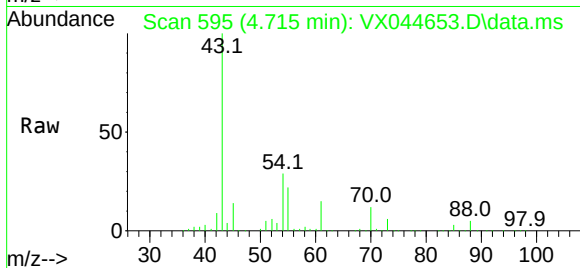




#37
Ethyl Acetate
Concen: 158.764 ug/l
RT: 4.715 min Scan# 594
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

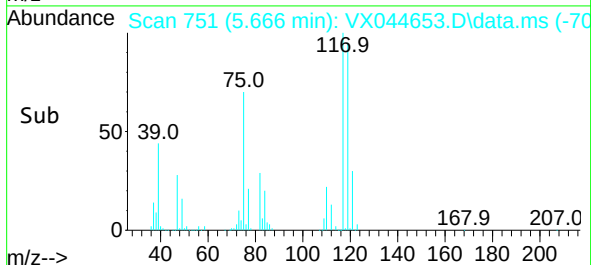
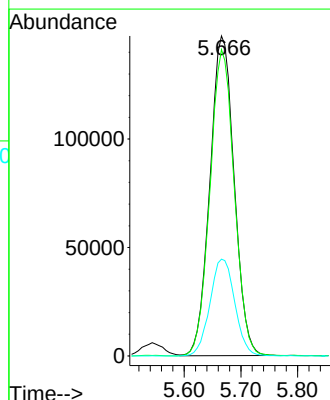
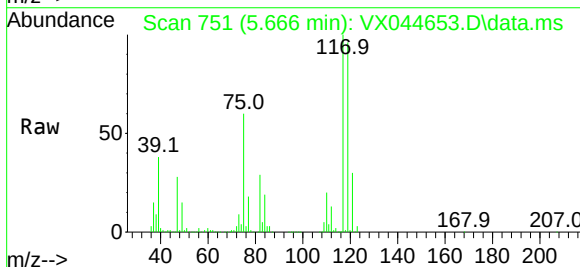
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

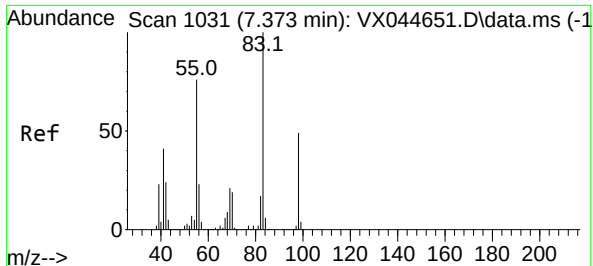
Tgt Ion: 43 Resp: 433924
Ion Ratio Lower Upper
43 100
61 14.0 10.9 16.3
70 12.3 10.1 15.1



#38
Carbon Tetrachloride
Concen: 151.528 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 117 Resp: 437442
Ion Ratio Lower Upper
117 100
119 95.8 76.0 114.0
121 30.3 24.6 36.8





#39

Methylcyclohexane

Concen: 157.021 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

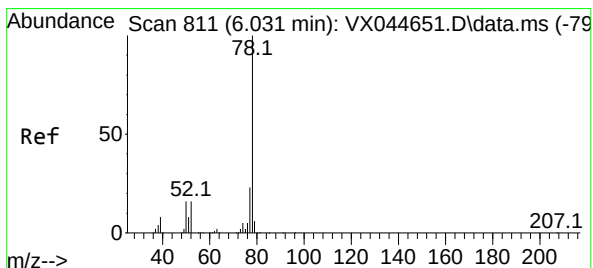
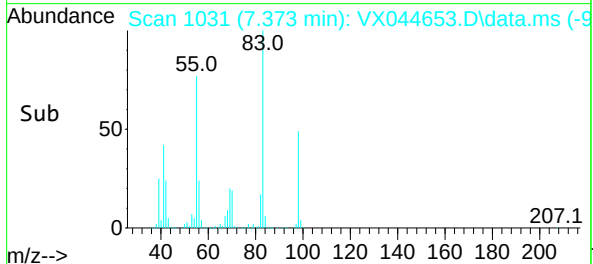
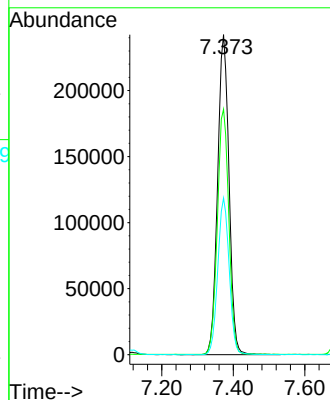
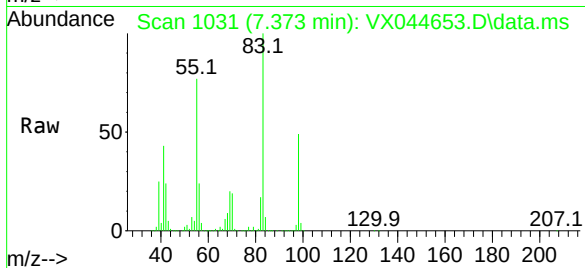
Tgt Ion: 83 Resp: 534976

Ion Ratio Lower Upper

83 100

55 76.6 60.5 90.7

98 49.0 39.0 58.4



#40

Benzene

Concen: 151.523 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044653.D

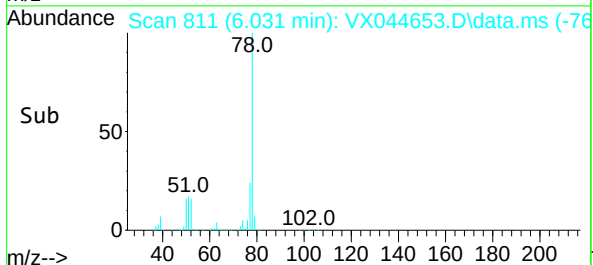
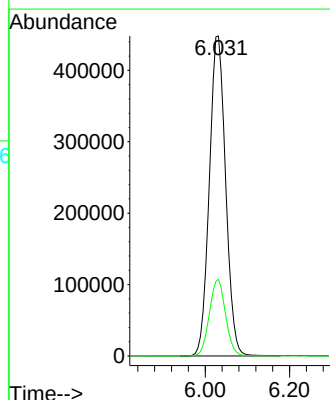
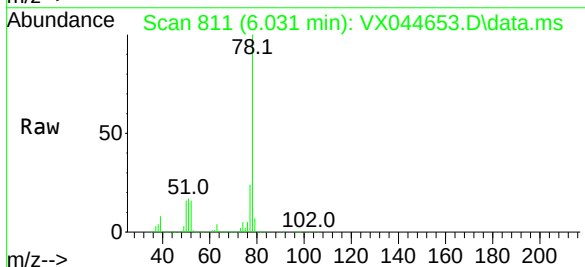
Acq: 15 Jan 2025 13:37

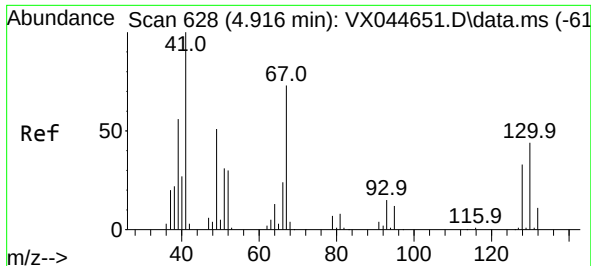
Tgt Ion: 78 Resp: 1205057

Ion Ratio Lower Upper

78 100

77 24.0 18.7 28.1



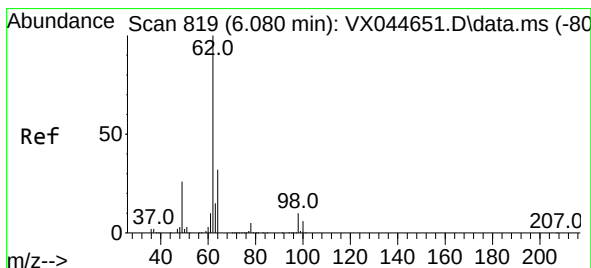
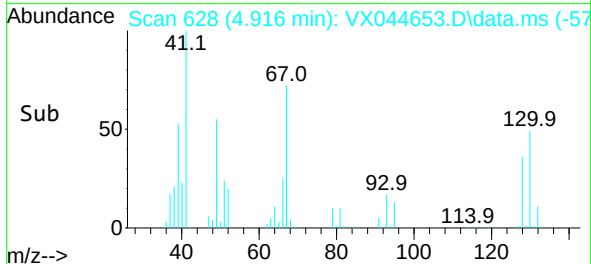
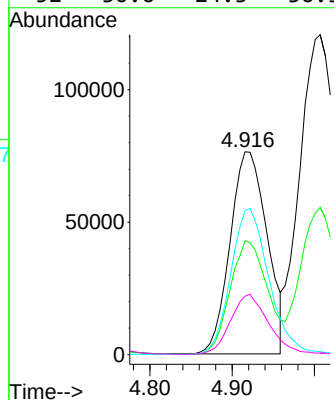
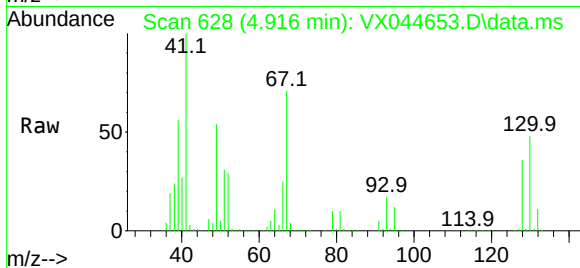


#41
Methacrylonitrile
Concen: 149.816 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 238601

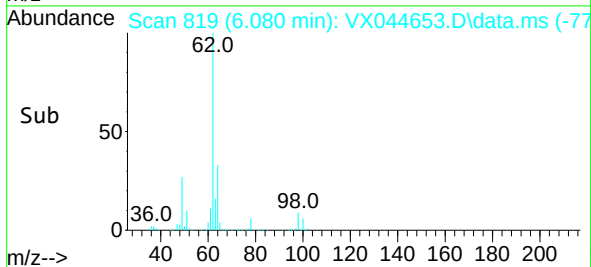
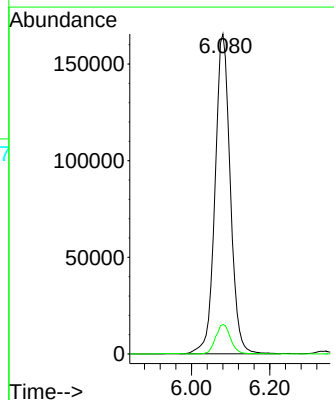
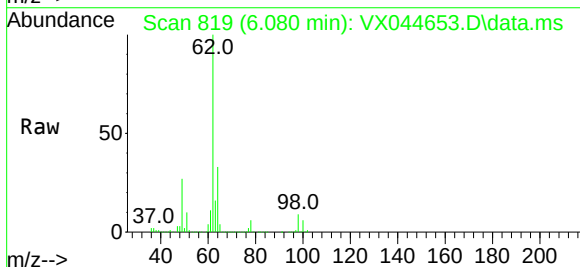
Ion	Ratio	Lower	Upper
41	100		
39	57.9	44.4	66.6
67	74.8	60.6	90.8
52	30.6	24.3	36.5

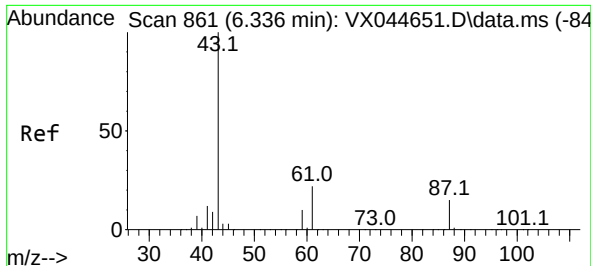


#42
1,2-Dichloroethane
Concen: 153.782 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 62 Resp: 446380

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.4

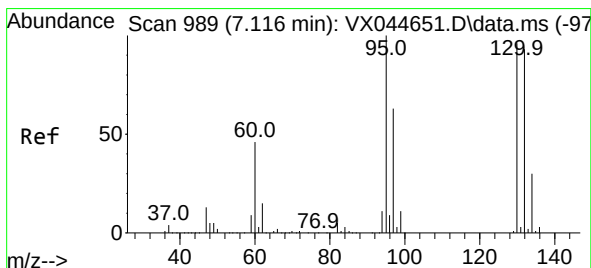
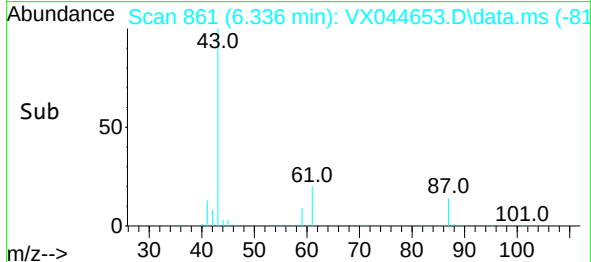
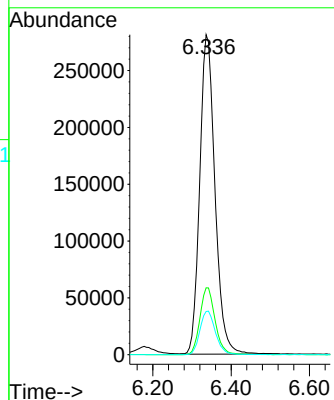
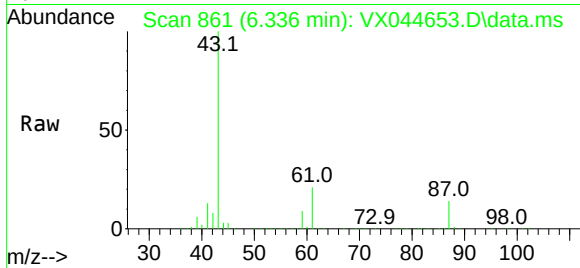




#43
Isopropyl Acetate
Concen: 151.528 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

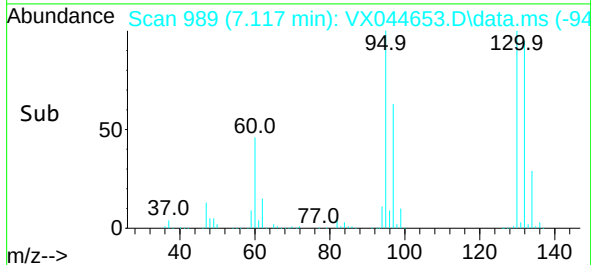
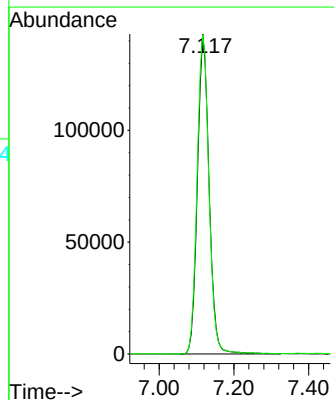
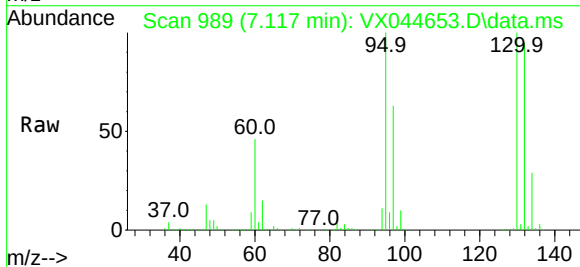
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

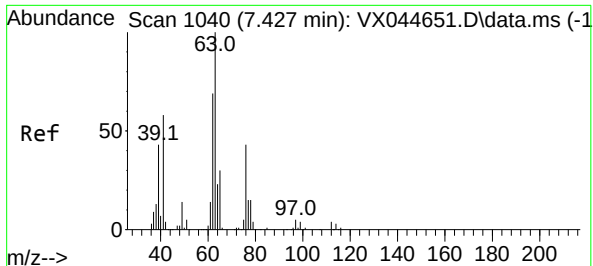
Tgt Ion: 43 Resp: 761866
Ion Ratio Lower Upper
43 100
61 20.8 16.6 24.8
87 14.0 11.0 16.6



#44
Trichloroethene
Concen: 161.735 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:130 Resp: 309226
Ion Ratio Lower Upper
130 100
95 99.7 0.0 208.2





#45

1,2-Dichloropropane

Concen: 154.175 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

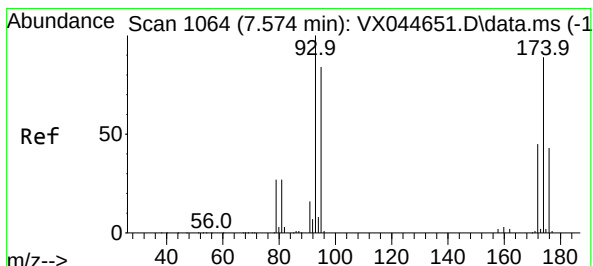
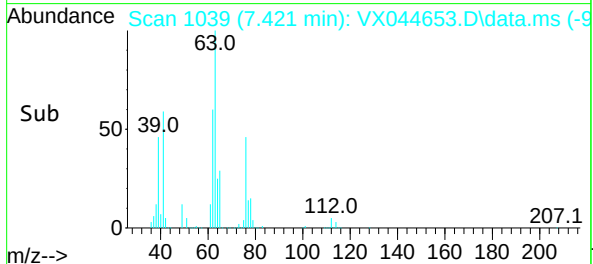
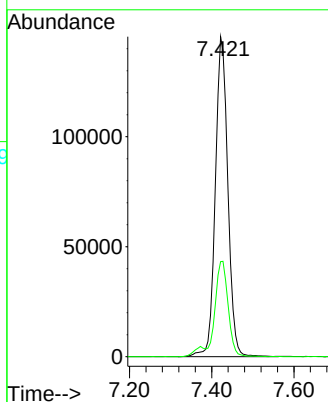
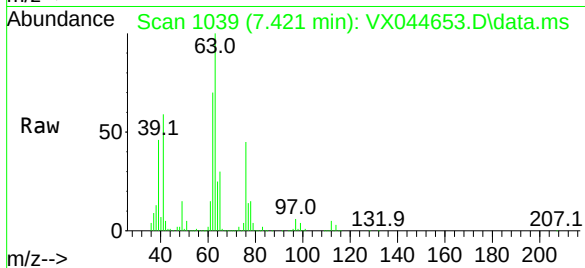
VSTDIC150

Tgt Ion: 63 Resp: 308641

Ion Ratio Lower Upper

63 100

65 29.7 24.2 36.2



#46

Dibromomethane

Concen: 152.021 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

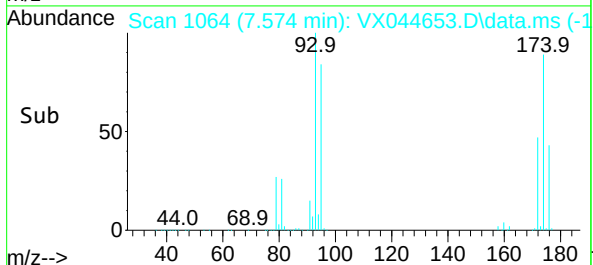
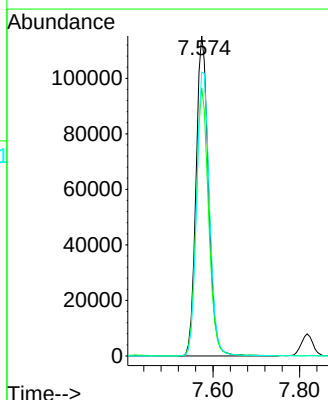
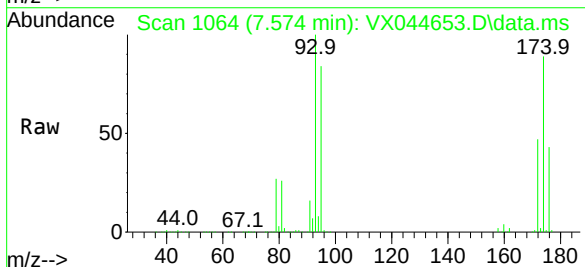
Tgt Ion: 93 Resp: 231674

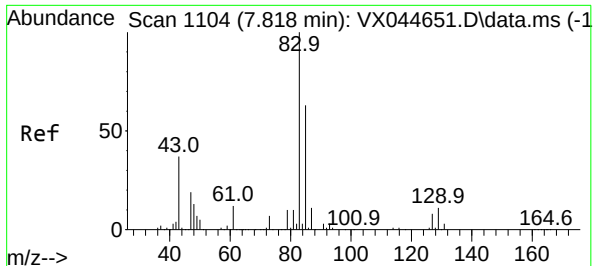
Ion Ratio Lower Upper

93 100

95 82.6 66.4 99.6

174 91.2 72.0 108.0



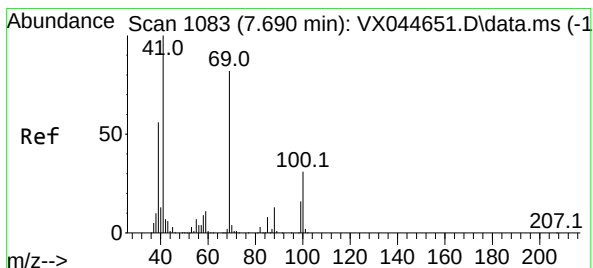
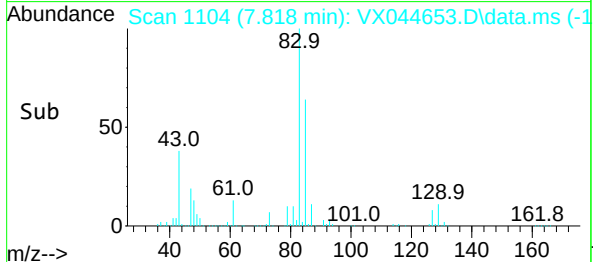
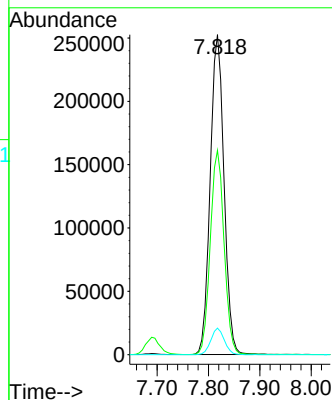
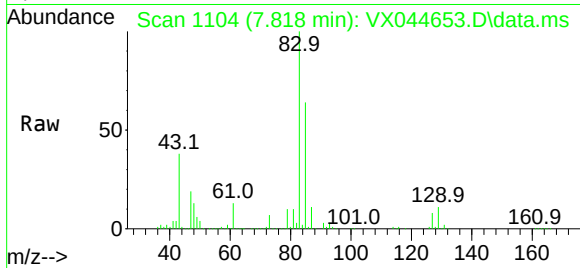


#47
 Bromodichloromethane
 Concen: 150.924 ug/l
 RT: 7.818 min Scan# 1104
 Delta R.T. 0.000 min
 Lab File: VX044653.D
 Acq: 15 Jan 2025 13:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion: 83 Resp: 471682

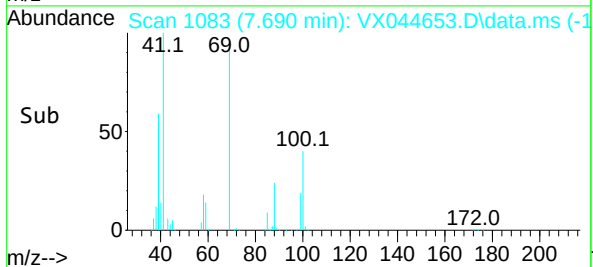
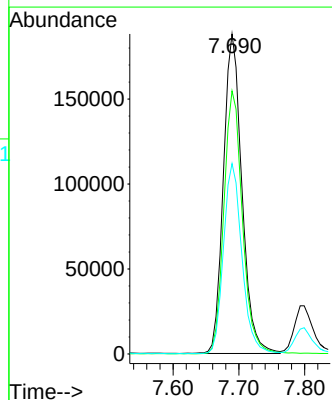
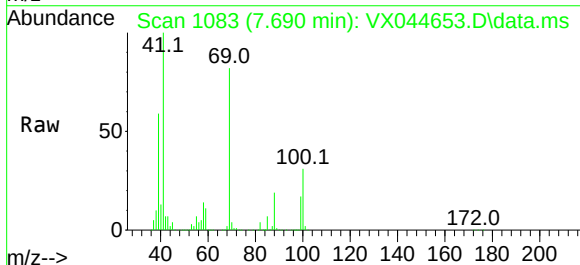
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.1	75.1
127	8.3	6.5	9.7

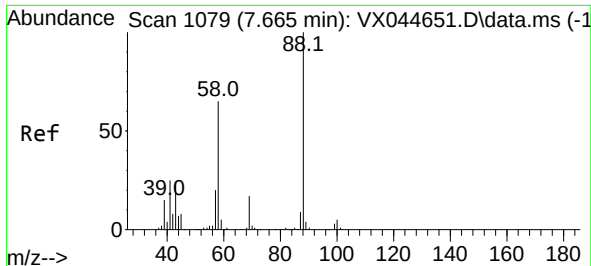


#48
 Methyl methacrylate
 Concen: 157.946 ug/l
 RT: 7.690 min Scan# 1083
 Delta R.T. 0.000 min
 Lab File: VX044653.D
 Acq: 15 Jan 2025 13:37

Tgt Ion: 41 Resp: 368626

Ion	Ratio	Lower	Upper
41	100		
69	82.4	66.8	100.2
39	59.1	47.4	71.0





#49

1,4-Dioxane

Concen: 3005.585 ug/l

RT: 7.671 min Scan# 1079

Delta R.T. 0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

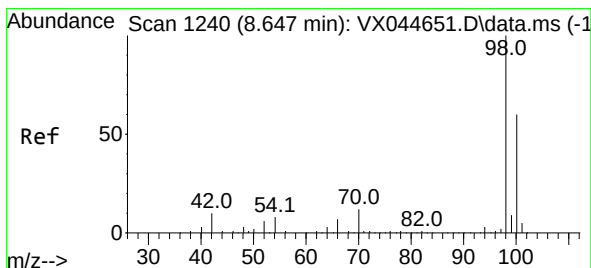
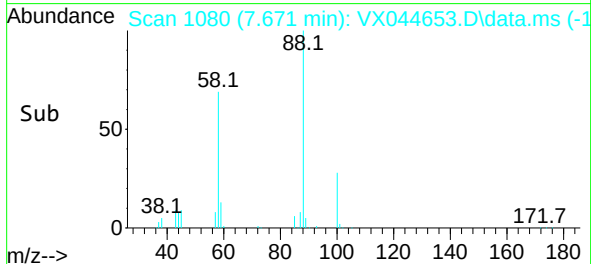
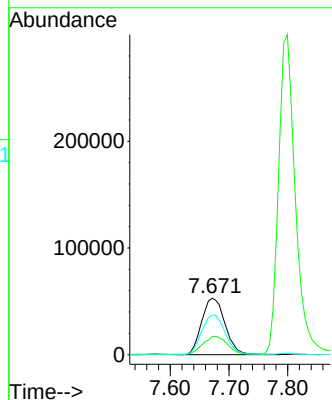
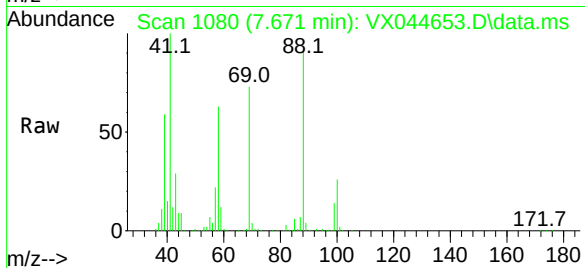
Tgt Ion: 88 Resp: 146350

Ion Ratio Lower Upper

88 100

43 33.0 27.0 40.4

58 70.7 55.8 83.8



#50

Toluene-d8

Concen: 149.572 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044653.D

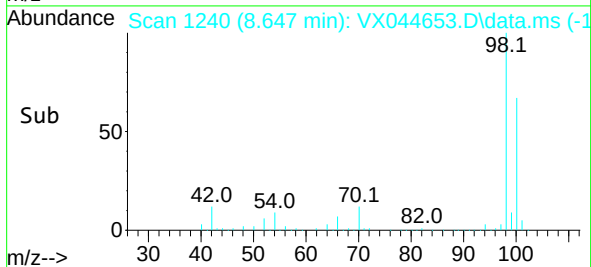
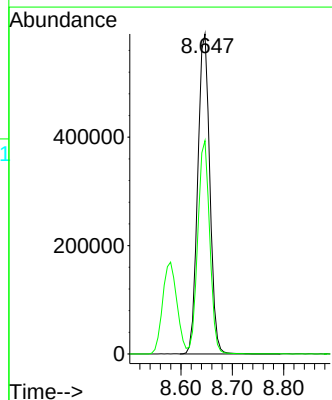
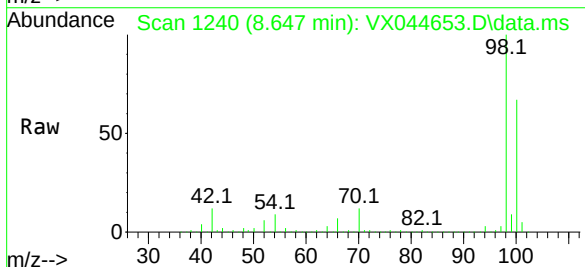
Acq: 15 Jan 2025 13:37

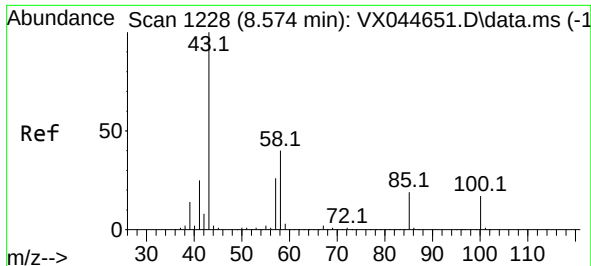
Tgt Ion: 98 Resp: 961550

Ion Ratio Lower Upper

98 100

100 66.1 53.2 79.8

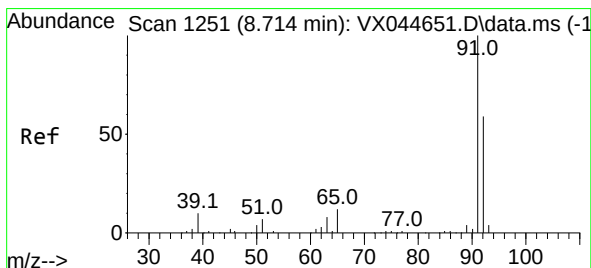
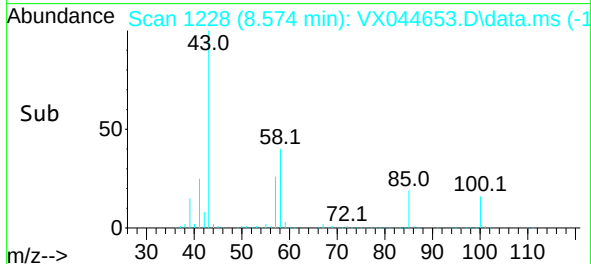
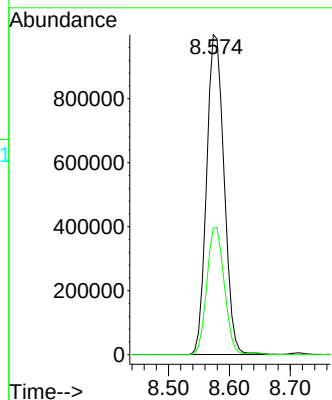
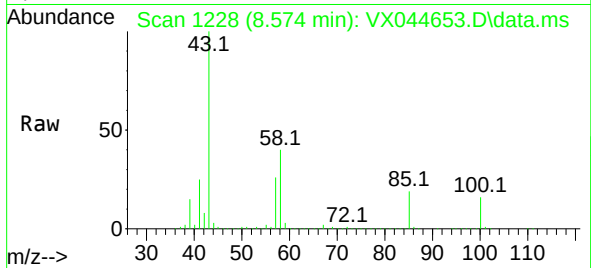




#51
4-Methyl-2-Pentanone
Concen: 717.818 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

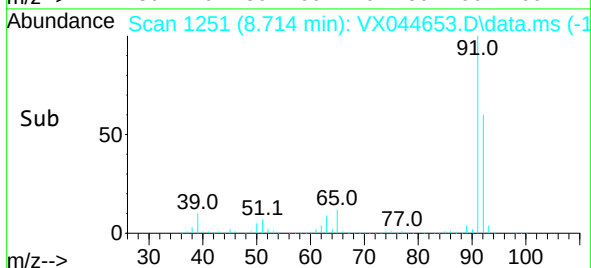
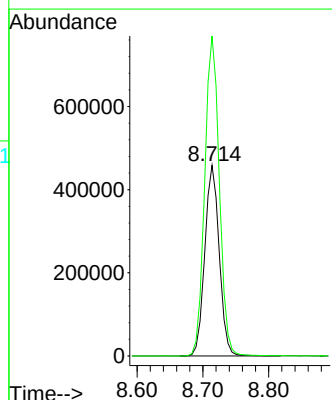
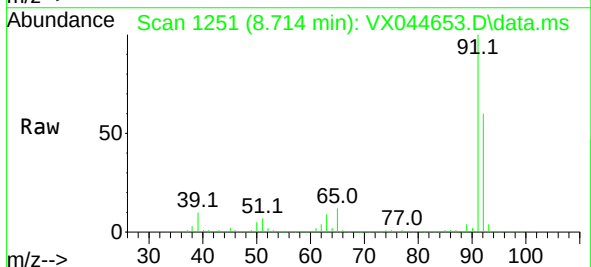
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

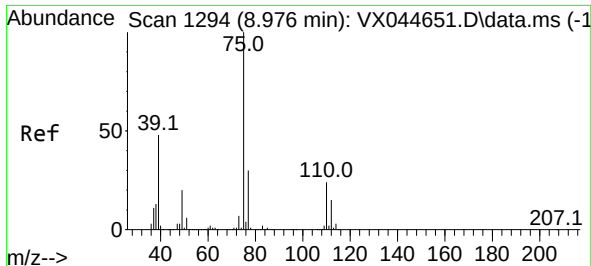
Tgt Ion: 43 Resp: 1994498
Ion Ratio Lower Upper
43 100
58 39.7 31.9 47.9



#52
Toluene
Concen: 143.719 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 92 Resp: 699585
Ion Ratio Lower Upper
92 100
91 169.9 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 151.880 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

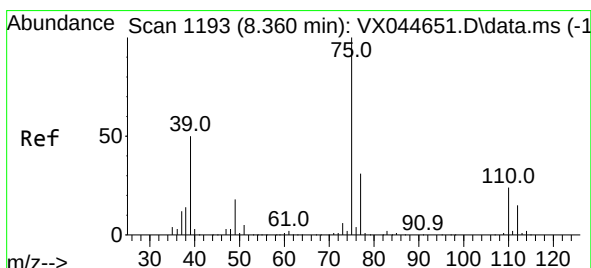
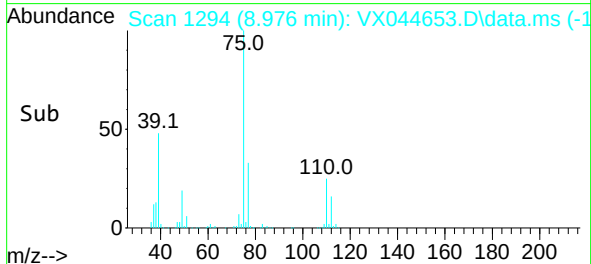
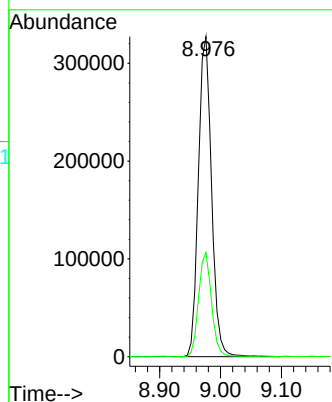
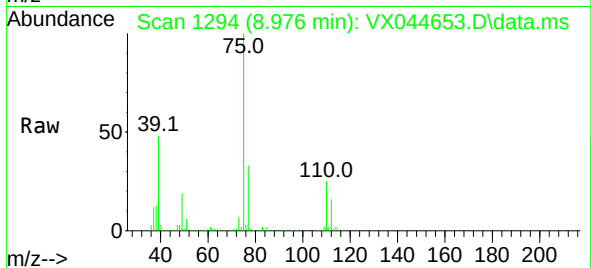
VSTDIC150

Tgt Ion: 75 Resp: 490414

Ion Ratio Lower Upper

75 100

77 32.5 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 149.891 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

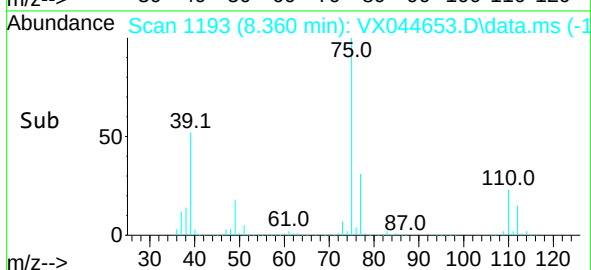
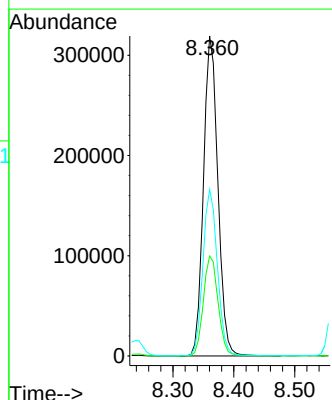
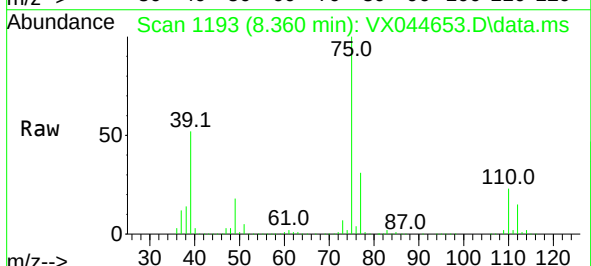
Tgt Ion: 75 Resp: 524796

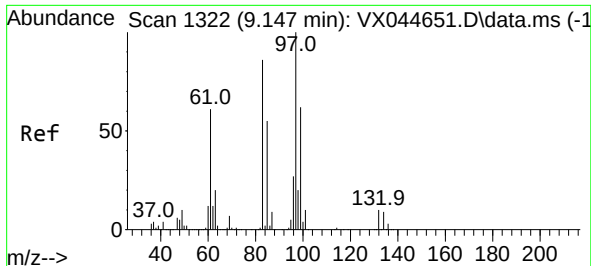
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 52.0 40.3 60.5

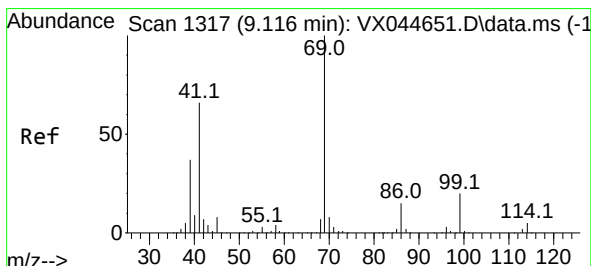
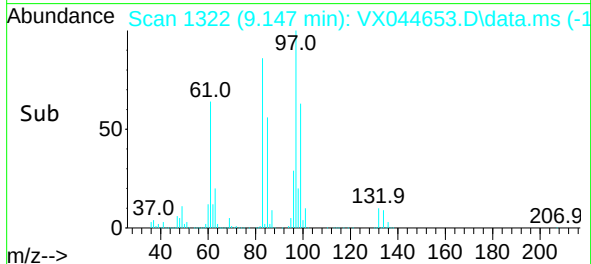
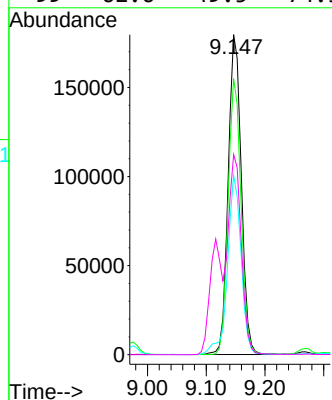
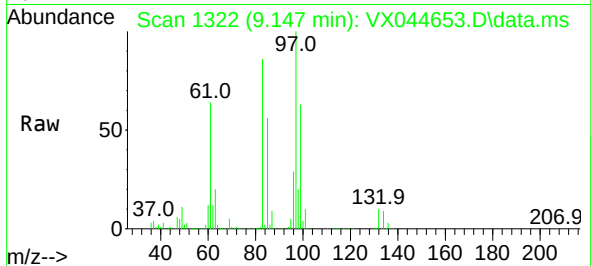




#55
1,1,2-Trichloroethane
Concen: 141.923 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

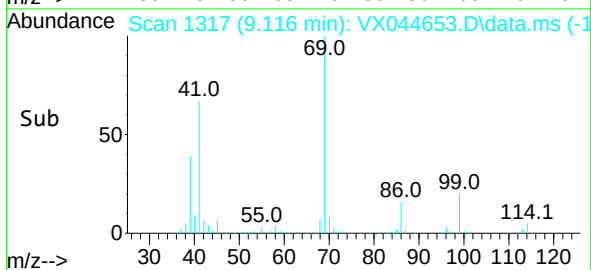
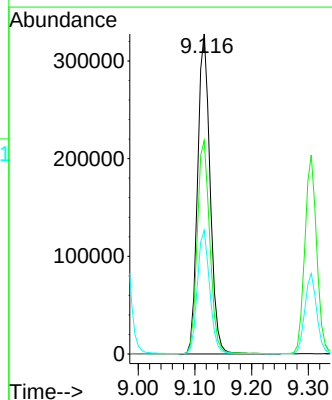
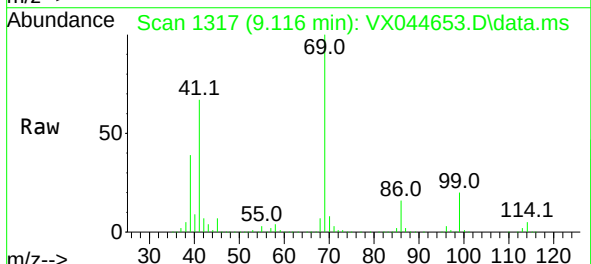
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

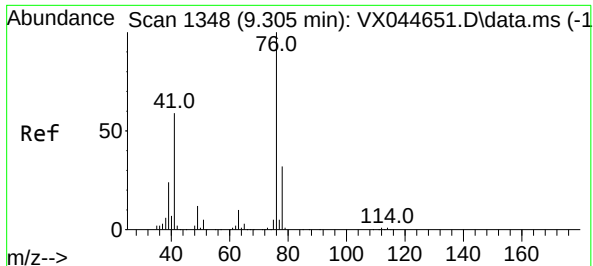
Tgt Ion: 97	Resp: 279505
Ion Ratio	Lower Upper
97 100	
83 86.2	68.8 103.2
85 56.0	43.7 65.5
99 62.6	49.5 74.3



#56
Ethyl methacrylate
Concen: 147.609 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 69	Resp: 499842
Ion Ratio	Lower Upper
69 100	
41 66.9	53.2 79.8
39 38.0	30.2 45.2





#57

1,3-Dichloropropane

Concen: 144.720 ug/l

RT: 9.305 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

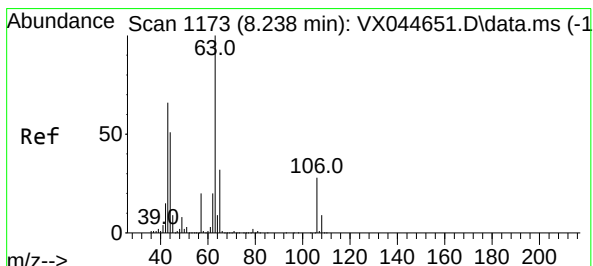
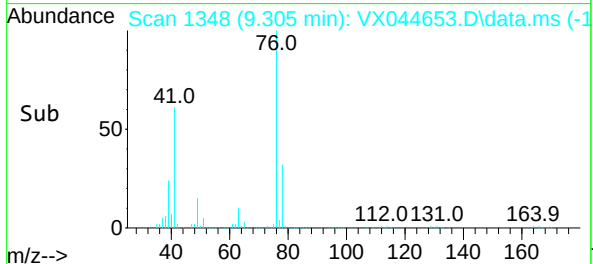
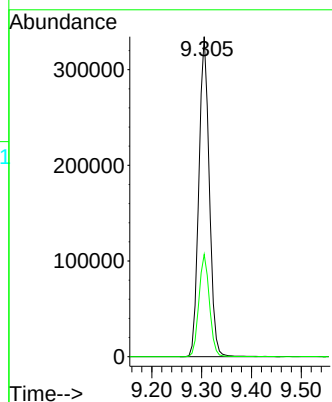
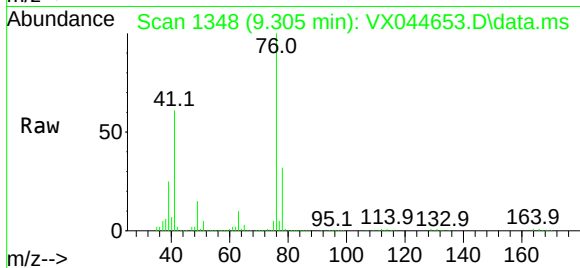
VSTDIC150

Tgt Ion: 76 Resp: 485347

Ion Ratio Lower Upper

76 100

78 32.1 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 708.825 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044653.D

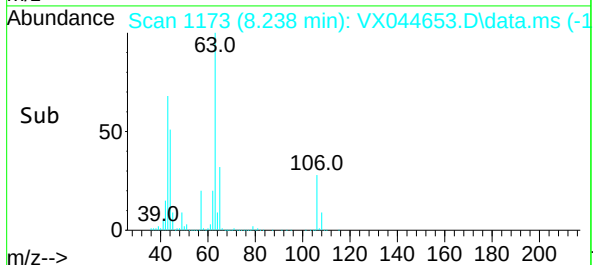
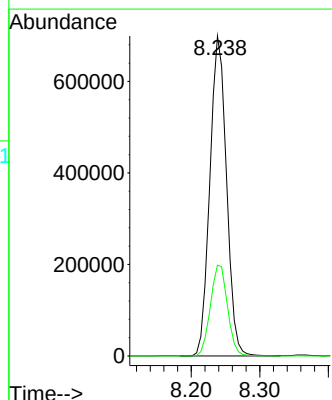
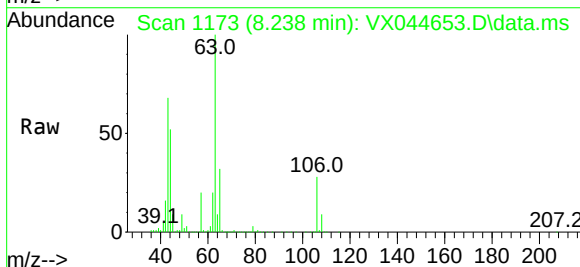
Acq: 15 Jan 2025 13:37

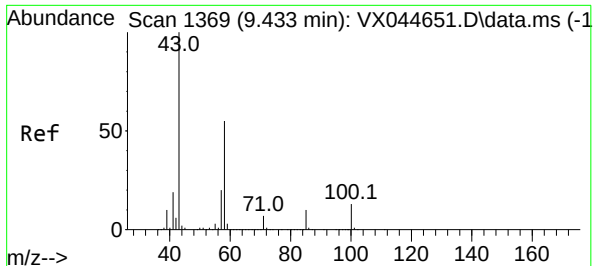
Tgt Ion: 63 Resp: 1178391

Ion Ratio Lower Upper

63 100

106 29.1 23.0 34.6

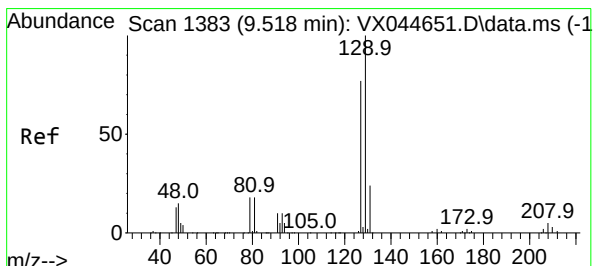
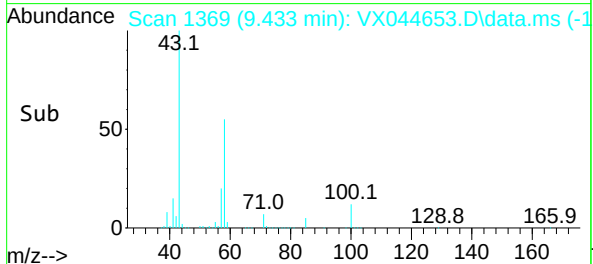
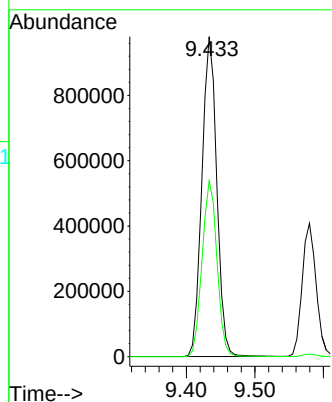
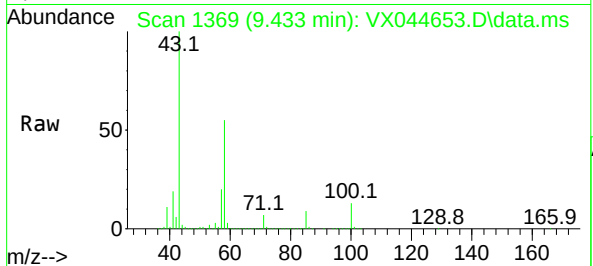




#59
2-Hexanone
Concen: 725.401 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

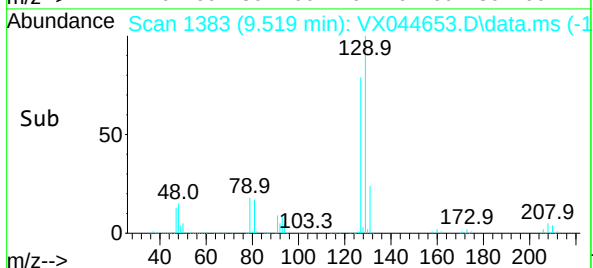
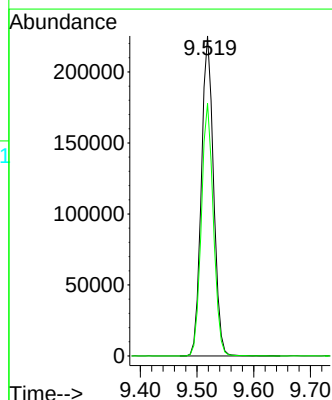
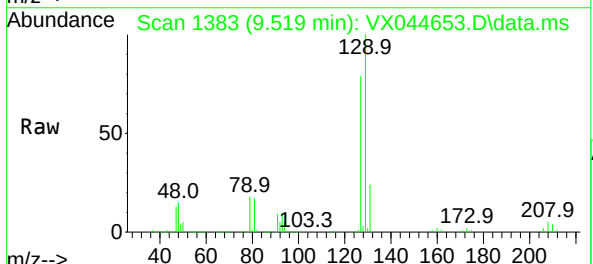
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

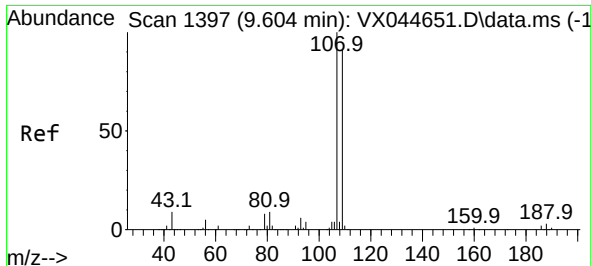
Tgt Ion: 43 Resp: 1482861
Ion Ratio Lower Upper
43 100
58 55.1 27.8 83.3



#60
Dibromochloromethane
Concen: 145.333 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:129 Resp: 335937
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5

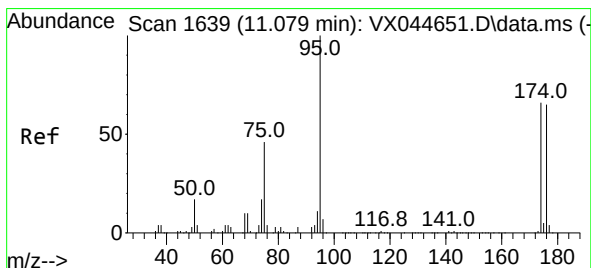
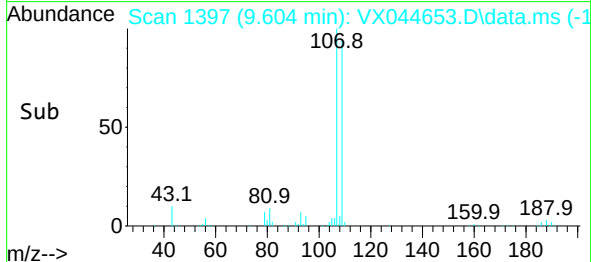
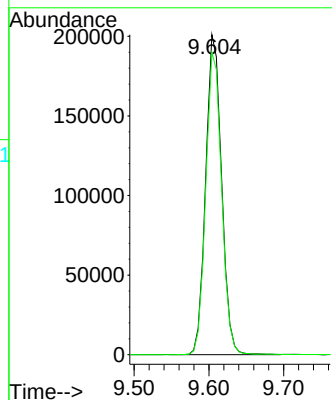
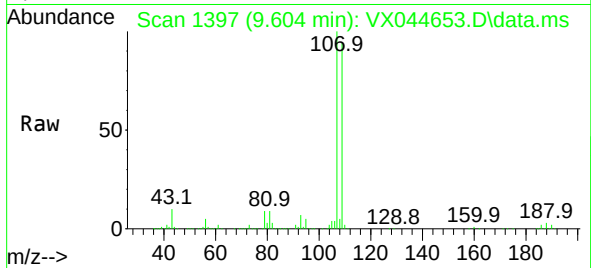




#61
1,2-Dibromoethane
Concen: 143.893 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

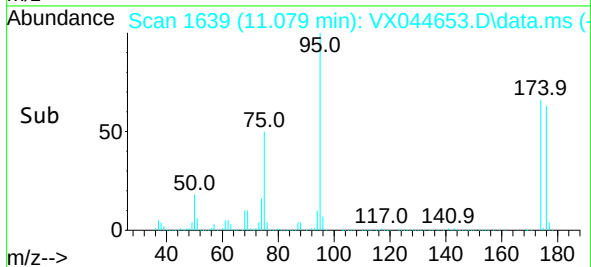
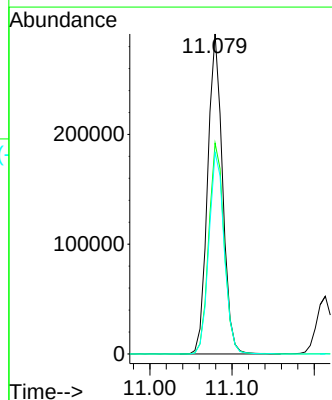
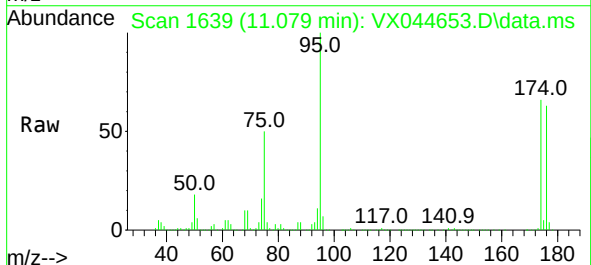
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

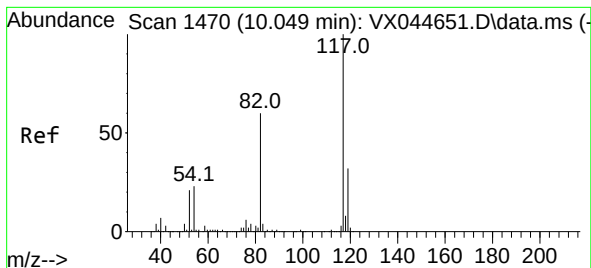
Tgt Ion:107 Resp: 296982
Ion Ratio Lower Upper
107 100
109 94.6 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 153.105 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 95 Resp: 366922
Ion Ratio Lower Upper
95 100
174 67.5 0.0 133.0
176 64.4 0.0 129.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

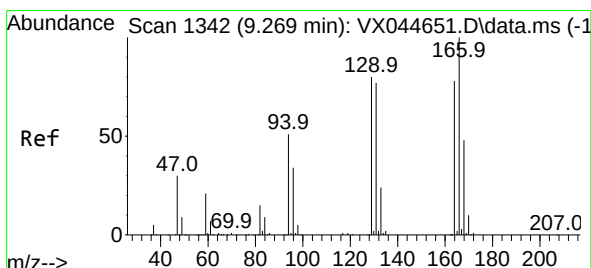
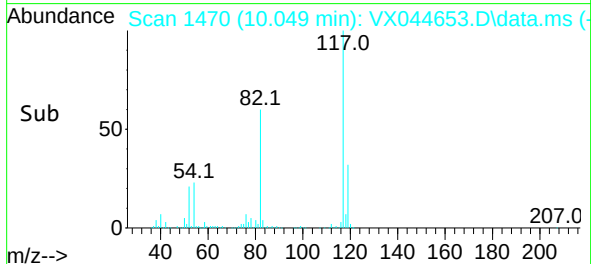
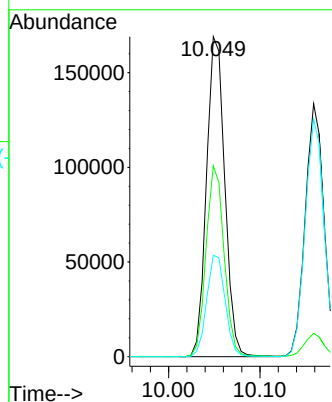
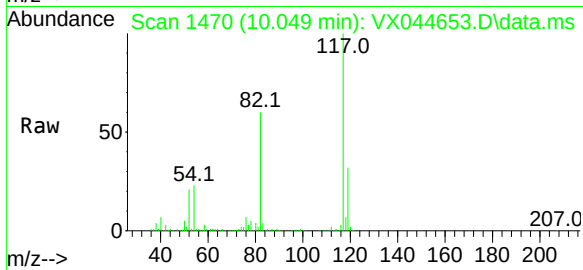
Tgt Ion:117 Resp: 234362

Ion Ratio Lower Upper

117 100

82 59.6 47.6 71.4

119 31.7 25.4 38.2



#64

Tetrachloroethene

Concen: 155.612 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Tgt Ion:164 Resp: 229004

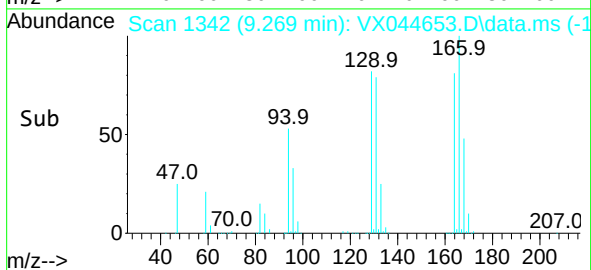
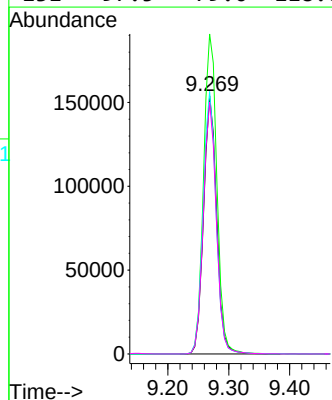
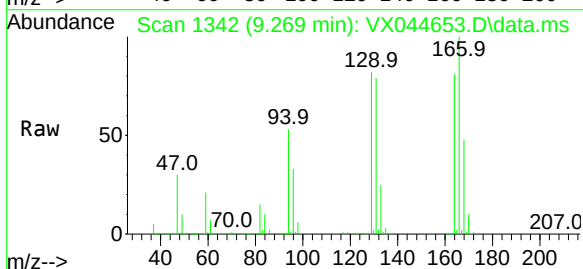
Ion Ratio Lower Upper

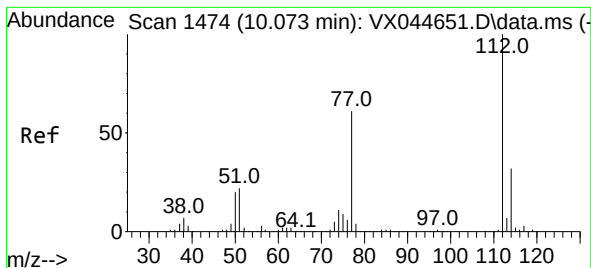
164 100

166 124.0 102.0 153.0

129 101.7 81.1 121.7

131 97.5 79.0 118.6

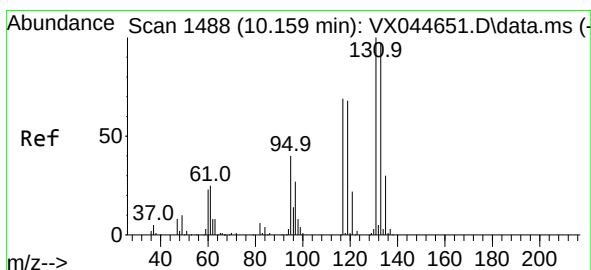
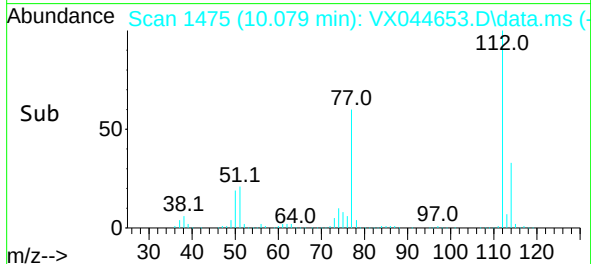
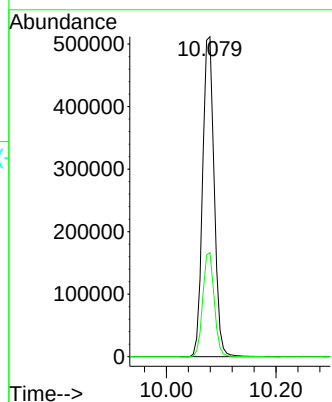
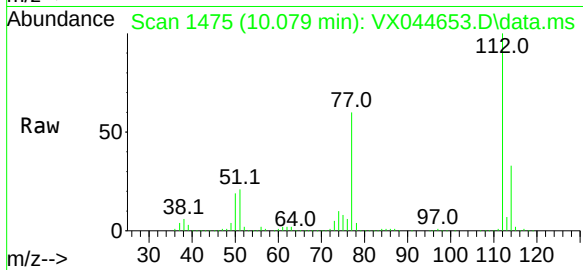




#65
Chlorobenzene
Concen: 150.697 ug/l
RT: 10.079 min Scan# 1474
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

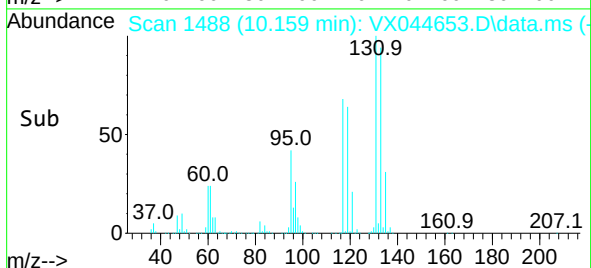
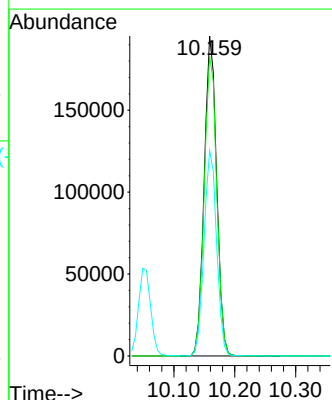
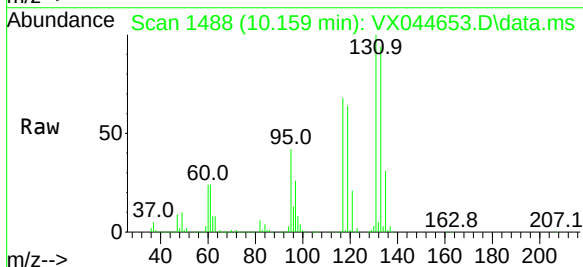
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

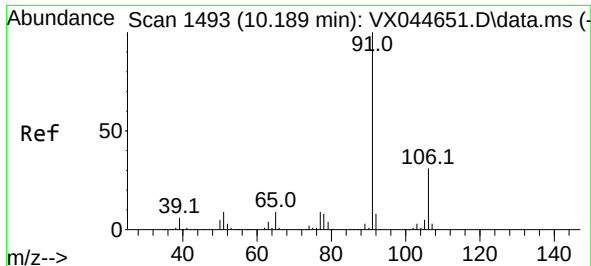
Tgt Ion:112 Resp: 750161
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 153.108 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:131 Resp: 276991
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.3
119 65.5 33.4 100.2

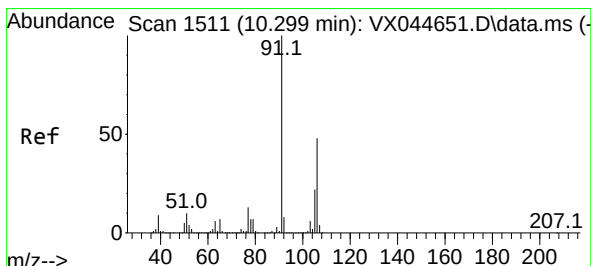
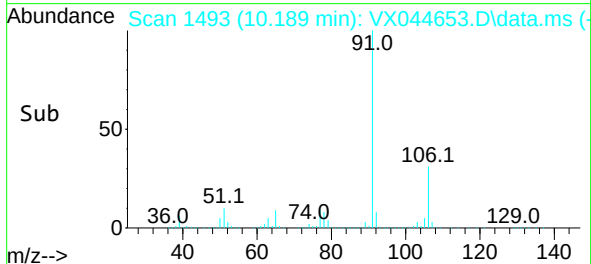
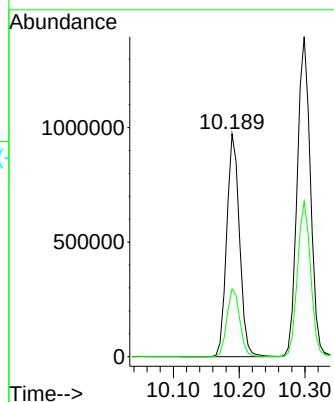
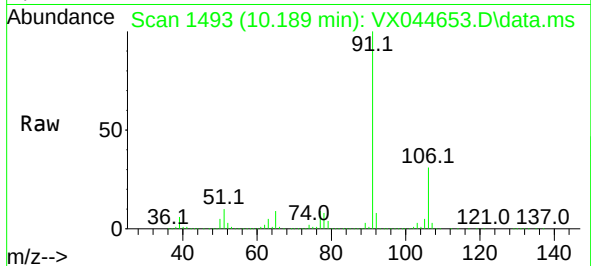




#67
Ethyl Benzene
Concen: 151.424 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

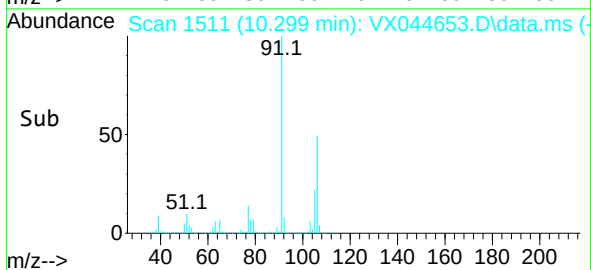
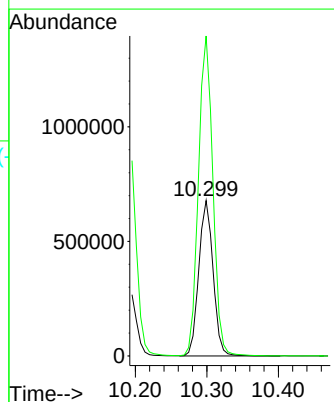
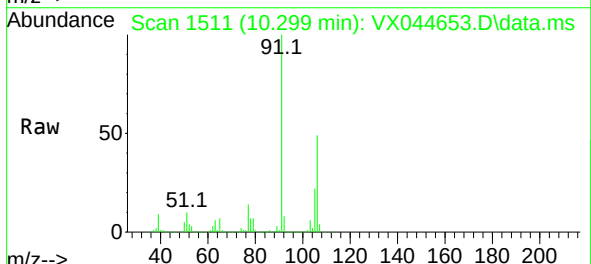
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

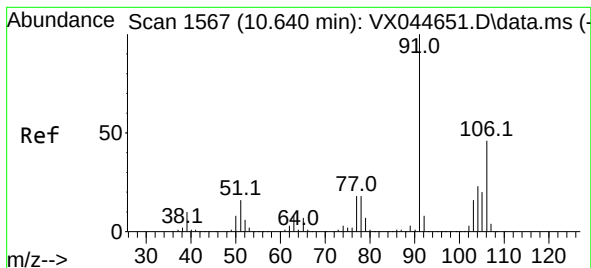
Tgt Ion: 91 Resp: 1315242
Ion Ratio Lower Upper
91 100
106 30.5 25.0 37.6



#68
m/p-Xylenes
Concen: 292.054 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:106 Resp: 941355
Ion Ratio Lower Upper
106 100
91 207.8 166.4 249.6





#69

o-Xylene

Concen: 145.386 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

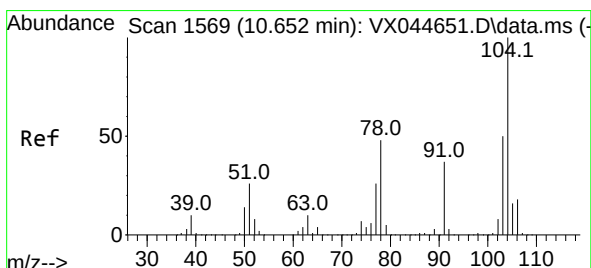
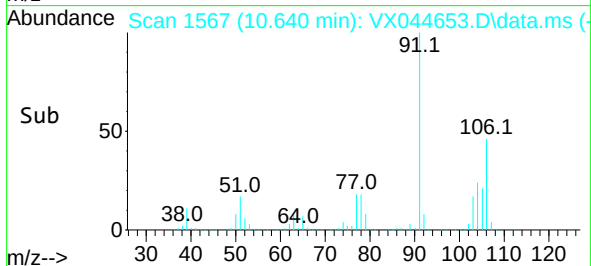
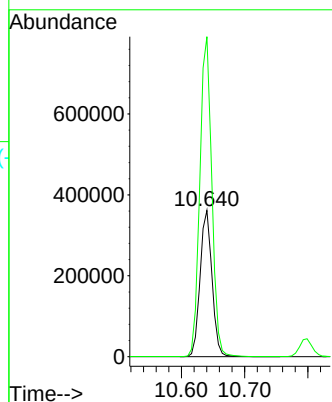
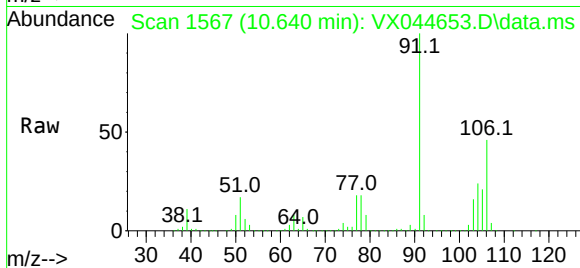
VSTDIC150

Tgt Ion:106 Resp: 473907

Ion Ratio Lower Upper

106 100

91 219.9 108.7 326.3



#70

Styrene

Concen: 150.660 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

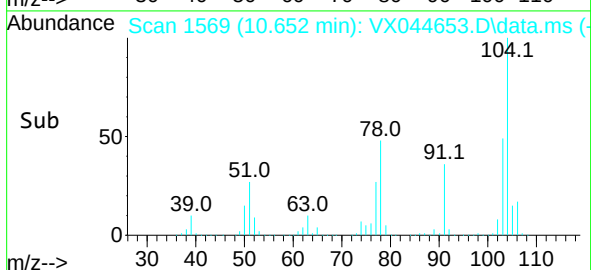
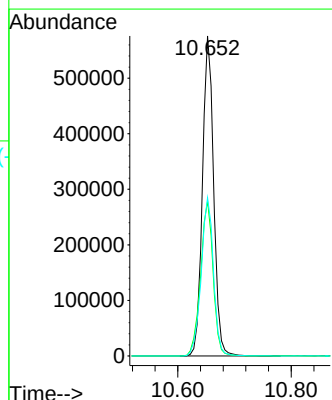
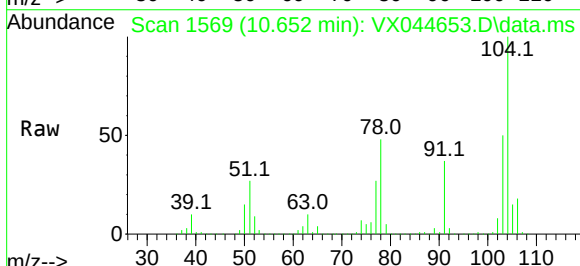
Tgt Ion:104 Resp: 792889

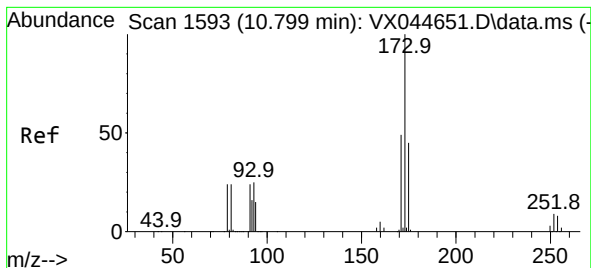
Ion Ratio Lower Upper

104 100

78 54.0 43.0 64.6

103 54.3 43.4 65.2





#71

Bromoform

Concen: 157.877 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

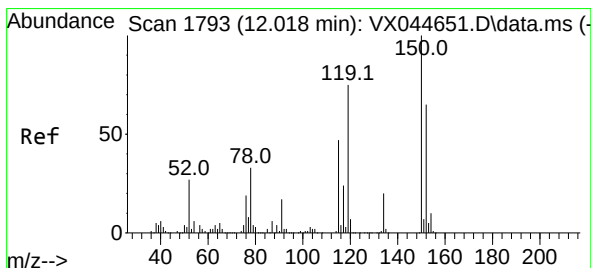
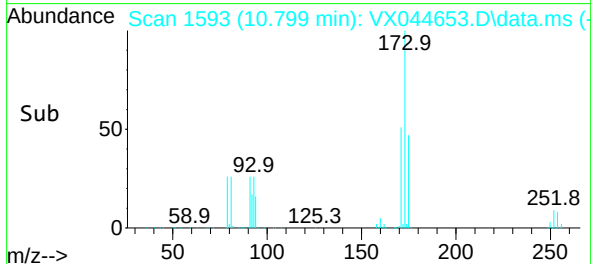
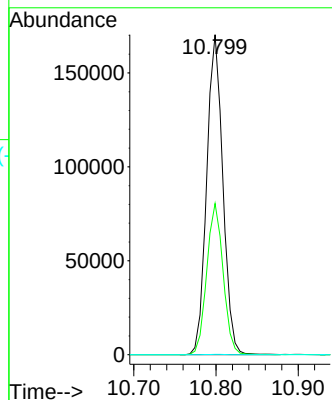
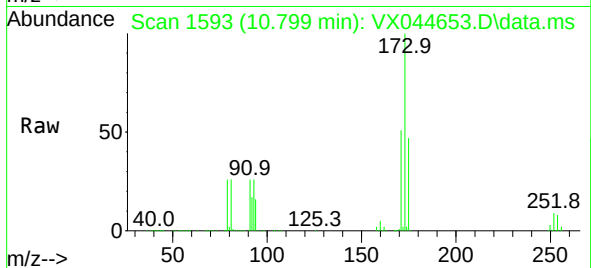
Tgt Ion:173 Resp: 232464

Ion Ratio Lower Upper

173 100

175 47.9 23.6 70.8

254 0.1 0.1 0.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

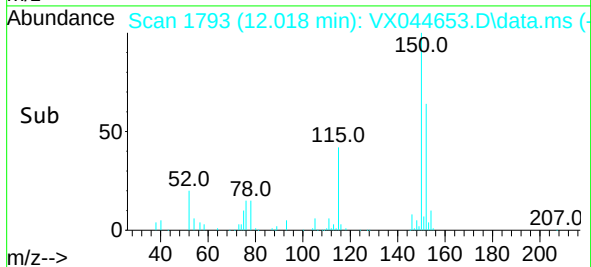
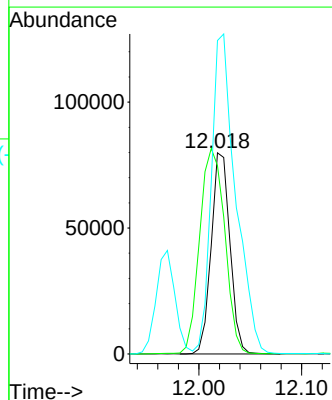
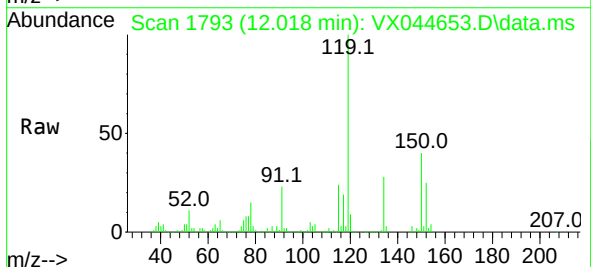
Tgt Ion:152 Resp: 100996

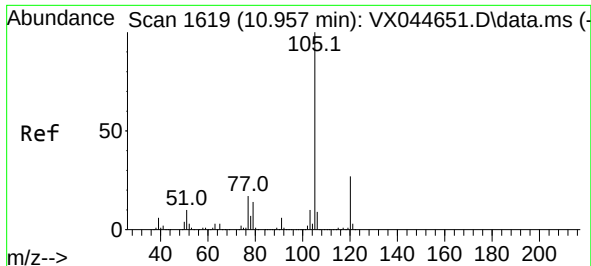
Ion Ratio Lower Upper

152 100

115 137.3 43.8 131.4#

150 206.7 0.0 347.8

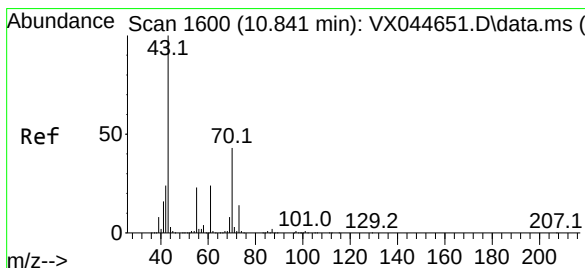
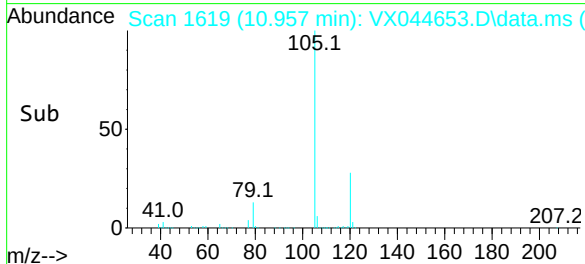
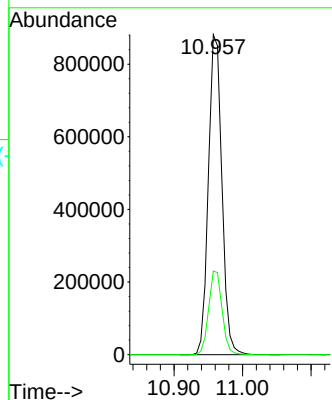
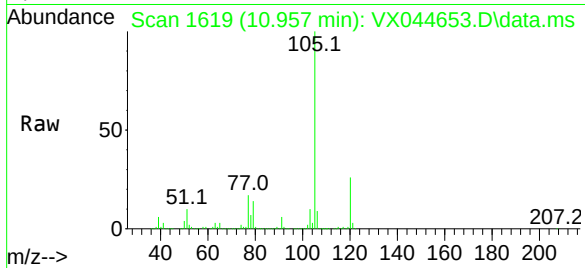




#73
Isopropylbenzene
Concen: 146.343 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

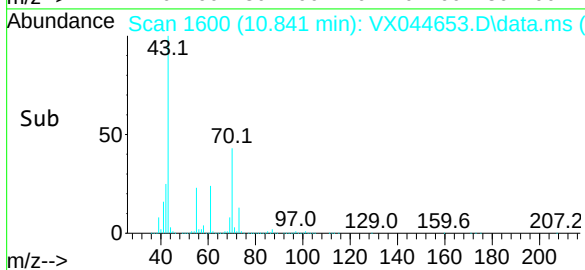
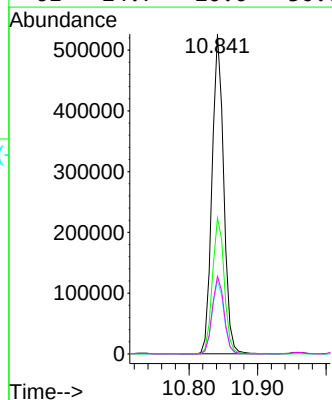
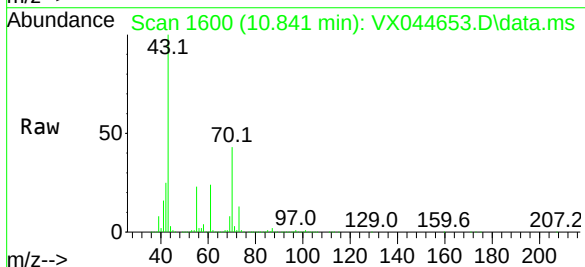
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

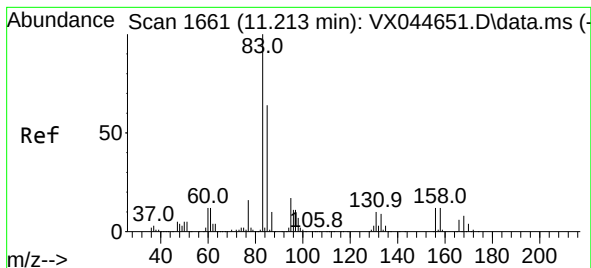
Tgt Ion:105 Resp: 1207427
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.6



#74
N-ethyl acetate
Concen: 153.069 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 43 Resp: 622491
Ion Ratio Lower Upper
43 100
70 43.3 35.2 52.8
55 23.3 19.0 28.4
61 24.7 20.0 30.0

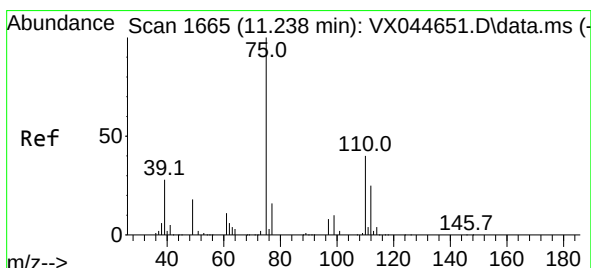
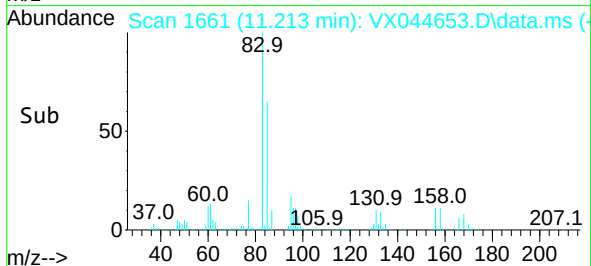
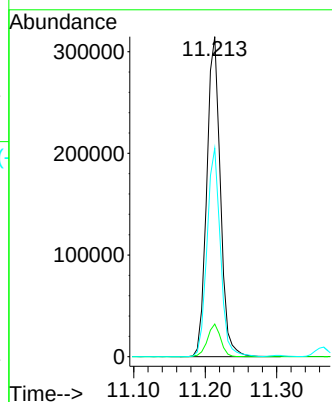
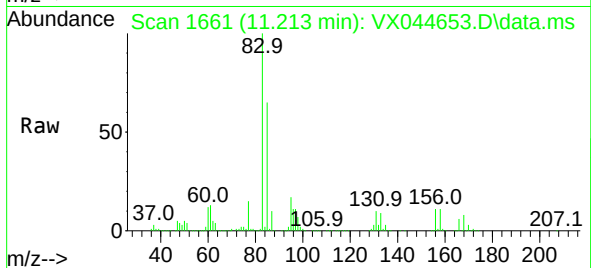




#75
 1,1,2,2-Tetrachloroethane
 Concen: 145.660 ug/l
 RT: 11.213 min Scan# 1661
 Delta R.T. 0.000 min
 Lab File: VX044653.D
 Acq: 15 Jan 2025 13:37

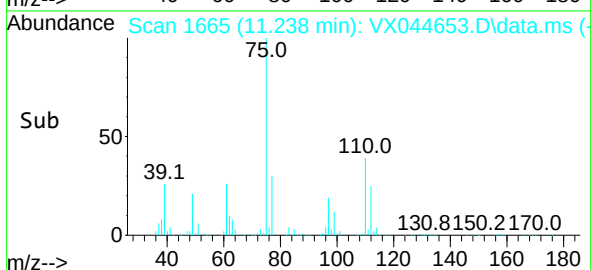
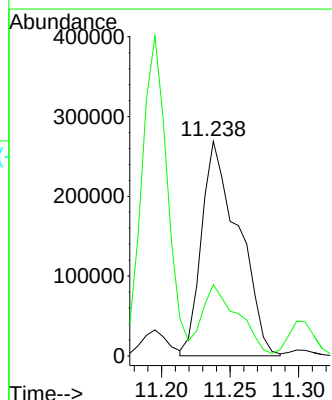
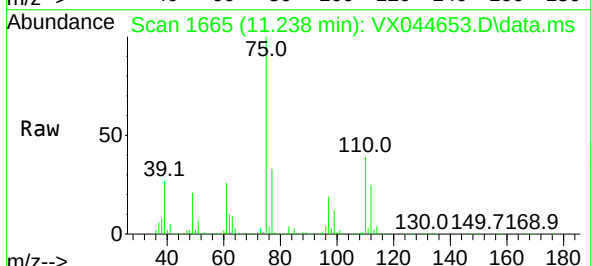
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

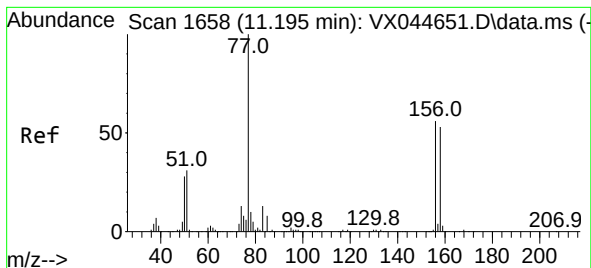
Tgt Ion: 83 Resp: 415068
 Ion Ratio Lower Upper
 83 100
 131 10.0 5.0 14.9
 85 64.5 32.0 96.2



#76
 1,2,3-Trichloropropane
 Concen: 206.343 ug/l
 RT: 11.238 min Scan# 1665
 Delta R.T. 0.000 min
 Lab File: VX044653.D
 Acq: 15 Jan 2025 13:37

Tgt Ion: 75 Resp: 505752
 Ion Ratio Lower Upper
 75 100
 77 32.3 23.4 70.2





#77

Bromobenzene

Concen: 149.641 ug/l

RT: 11.195 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

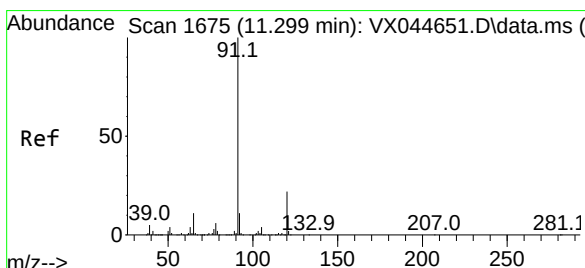
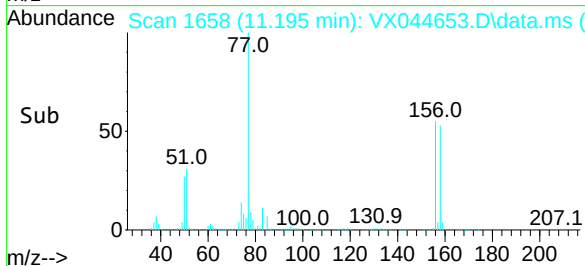
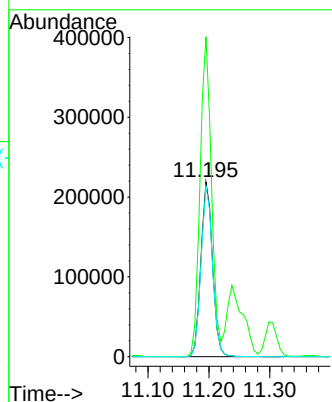
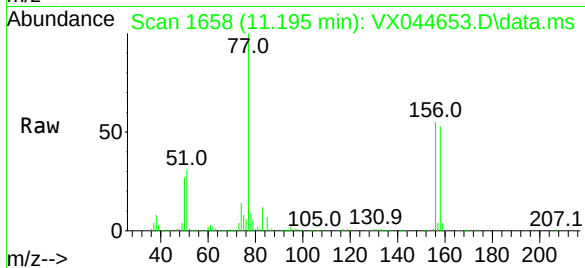
Tgt Ion:156 Resp: 288579

Ion Ratio Lower Upper

156 100

77 180.4 90.3 271.0

158 97.5 48.4 145.3



#78

n-propylbenzene

Concen: 151.223 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044653.D

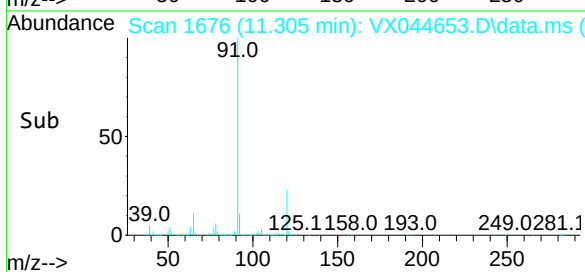
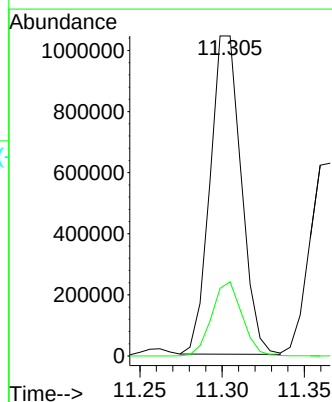
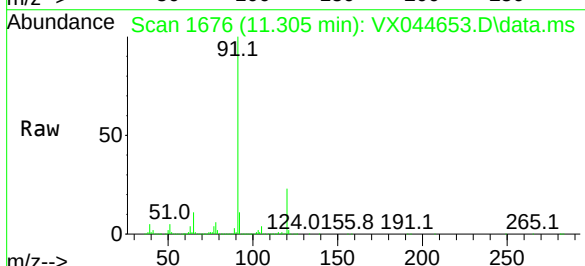
Acq: 15 Jan 2025 13:37

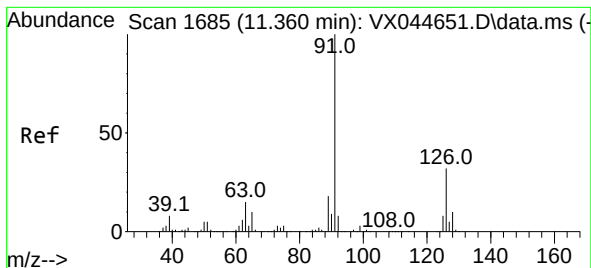
Tgt Ion: 91 Resp: 1375979

Ion Ratio Lower Upper

91 100

120 22.7 11.4 34.1

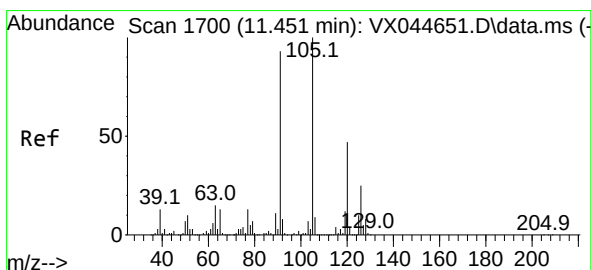
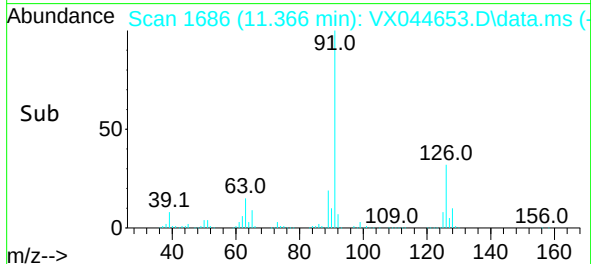
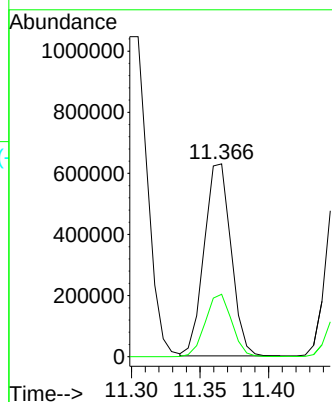
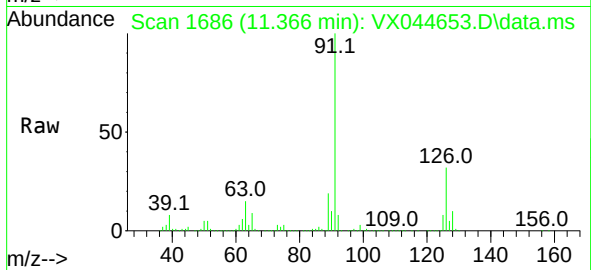




#79
2-Chlorotoluene
Concen: 145.911 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

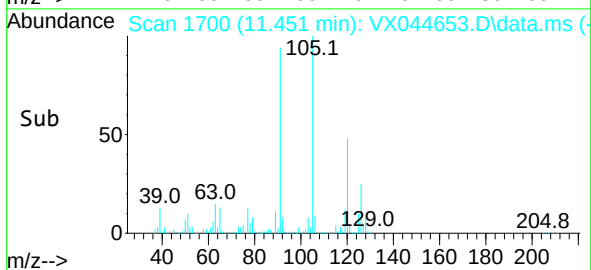
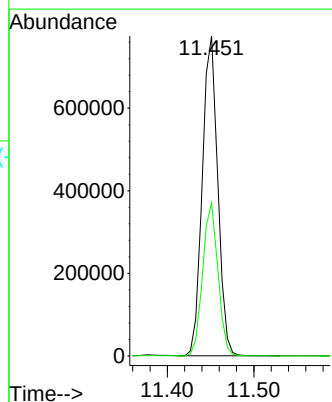
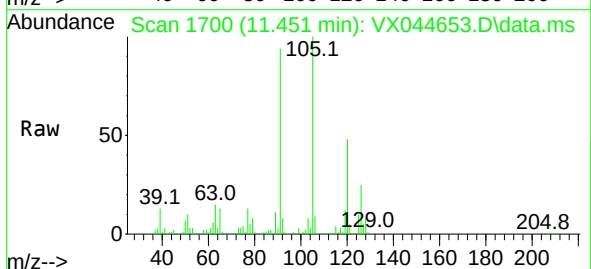
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

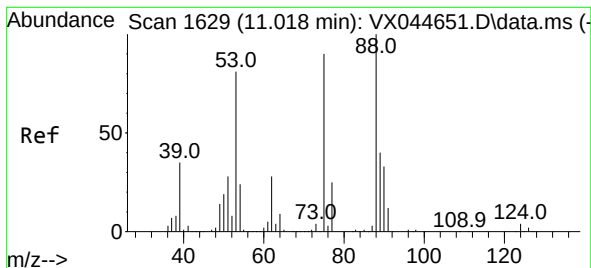
Tgt Ion: 91 Resp: 857617
Ion Ratio Lower Upper
91 100
126 32.0 16.2 48.5



#80
1,3,5-Trimethylbenzene
Concen: 142.870 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 105 Resp: 959600
Ion Ratio Lower Upper
105 100
120 47.3 23.7 71.1

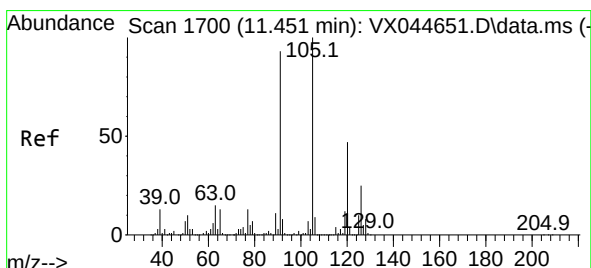
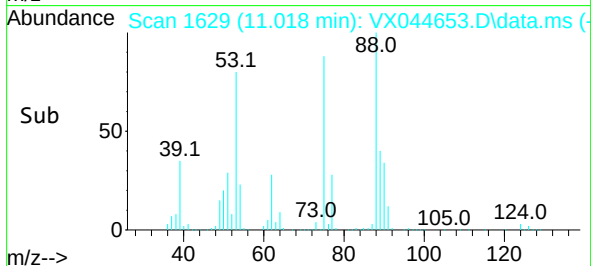
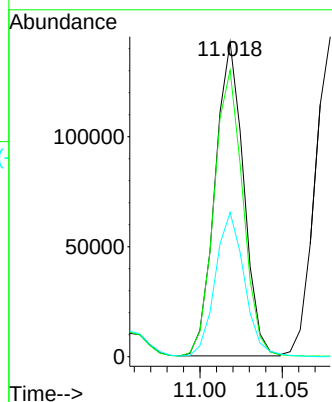
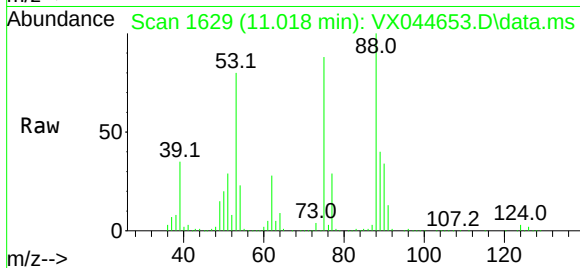




#81
trans-1,4-Dichloro-2-butene
Concen: 160.280 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

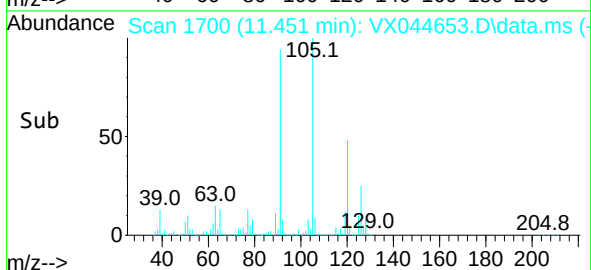
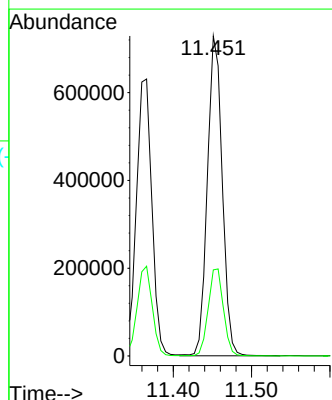
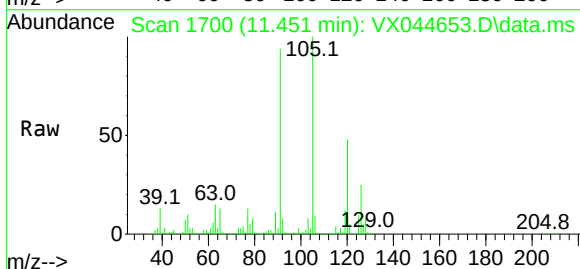
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

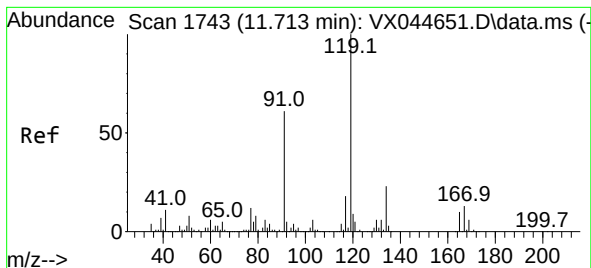
Tgt Ion: 75 Resp: 171786
Ion Ratio Lower Upper
75 100
53 92.3 74.3 111.5
89 47.0 37.4 56.0



#82
4-Chlorotoluene
Concen: 148.761 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 91 Resp: 957835
Ion Ratio Lower Upper
91 100
126 27.8 13.9 41.7





#83

tert-Butylbenzene

Concen: 142.356 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

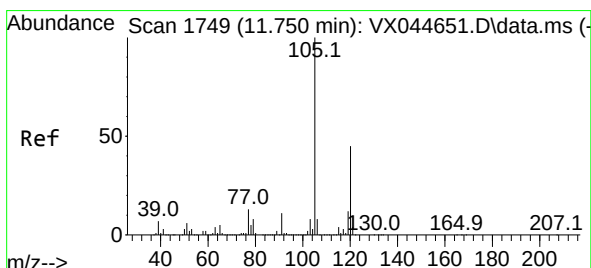
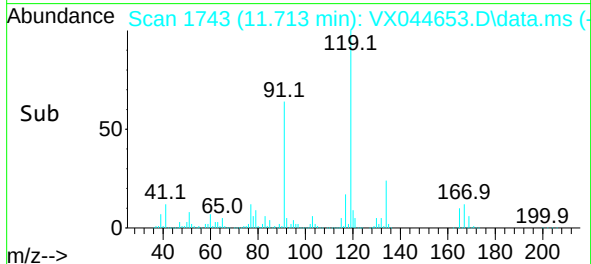
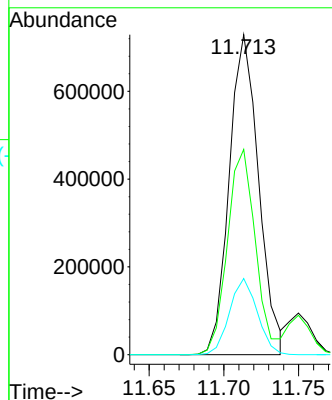
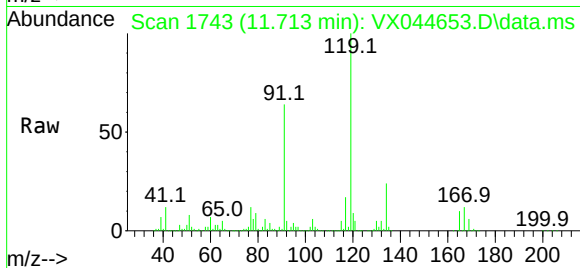
Tgt Ion:119 Resp: 999760

Ion Ratio Lower Upper

119 100

91 61.4 30.0 90.0

134 22.5 11.2 33.5



#84

1,2,4-Trimethylbenzene

Concen: 145.281 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044653.D

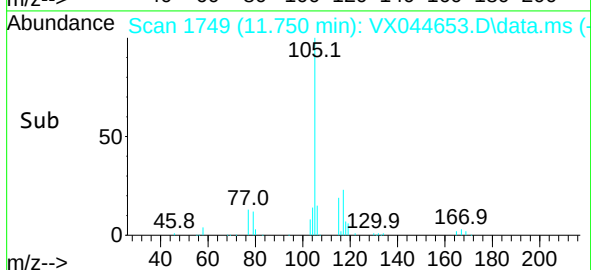
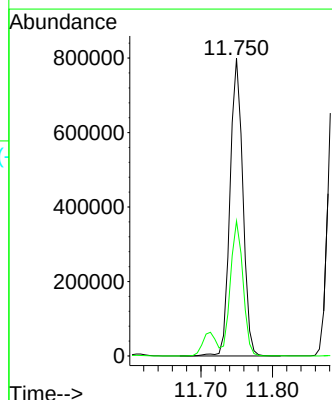
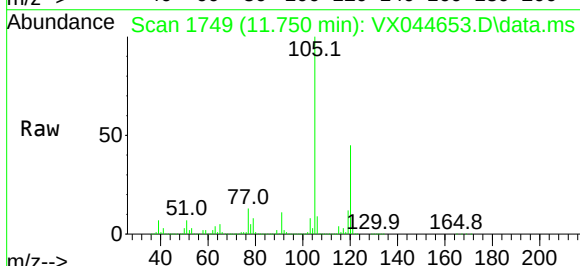
Acq: 15 Jan 2025 13:37

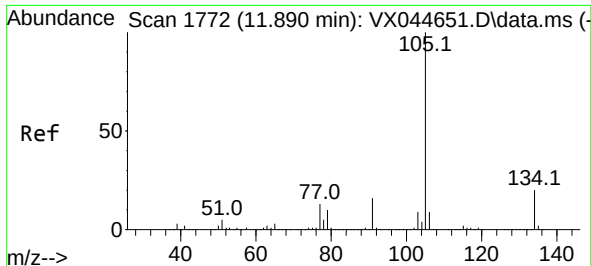
Tgt Ion:105 Resp: 991595

Ion Ratio Lower Upper

105 100

120 44.6 22.2 66.6

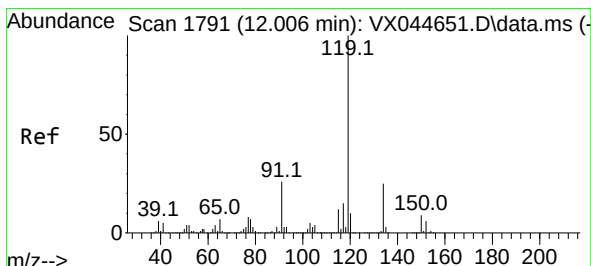
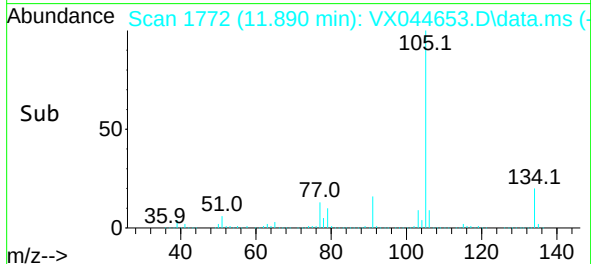
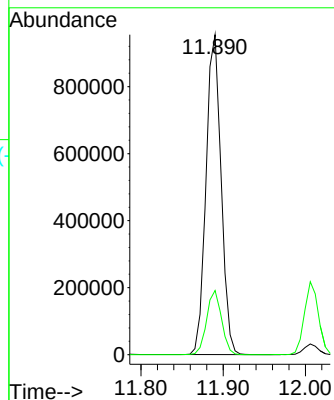
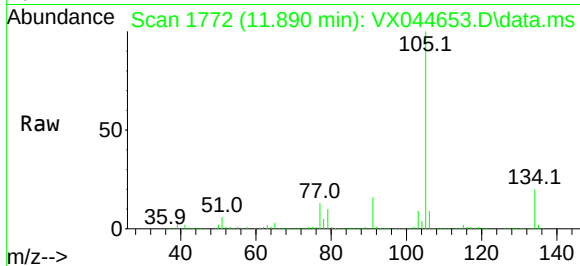




#85
 sec-Butylbenzene
 Concen: 148.543 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044653.D
 Acq: 15 Jan 2025 13:37

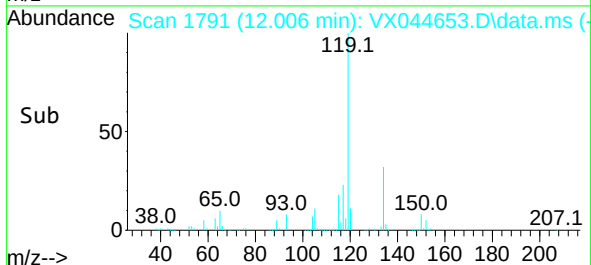
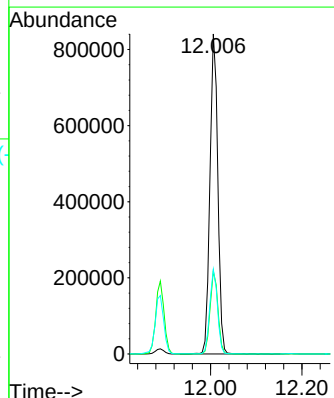
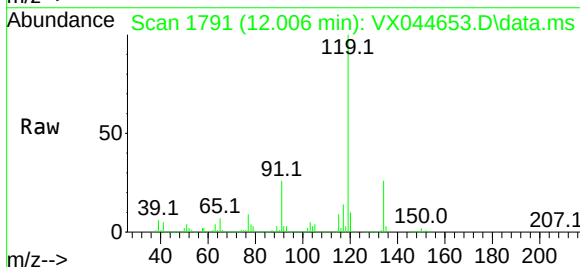
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

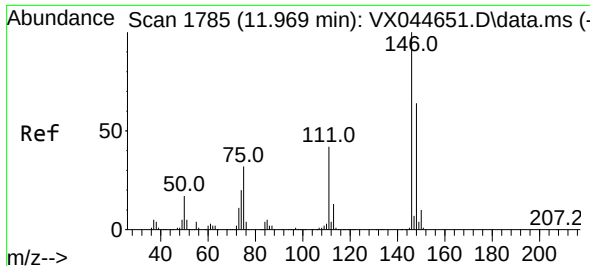
Tgt Ion:105 Resp: 1214662
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 148.902 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044653.D
 Acq: 15 Jan 2025 13:37

Tgt Ion:119 Resp: 1000632
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.8 38.4
 91 25.9 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 155.816 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

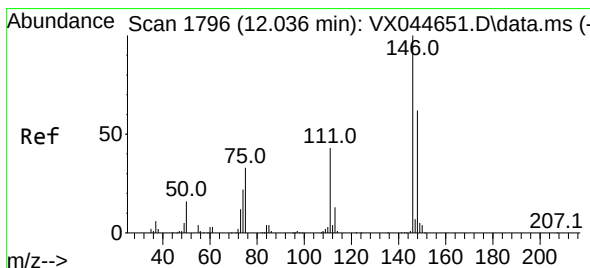
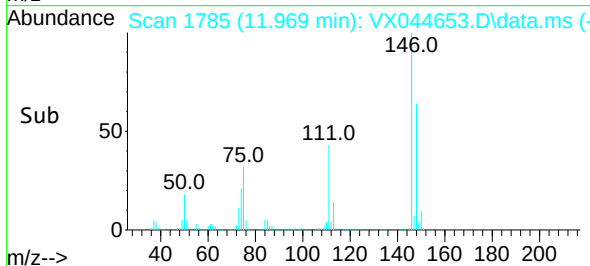
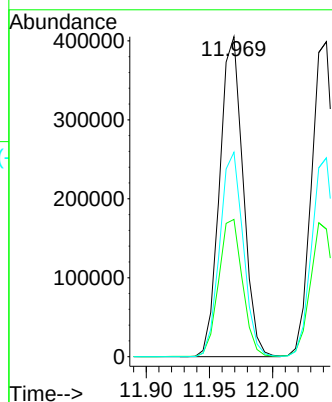
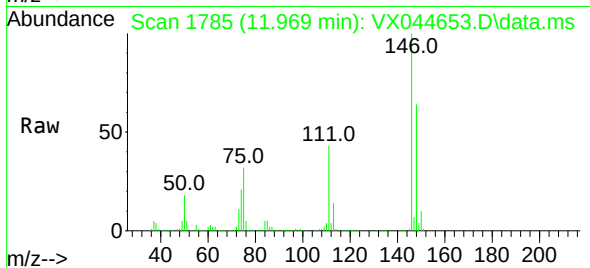
Tgt Ion:146 Resp: 521112

Ion Ratio Lower Upper

146 100

111 43.7 21.9 65.7

148 64.0 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 152.762 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

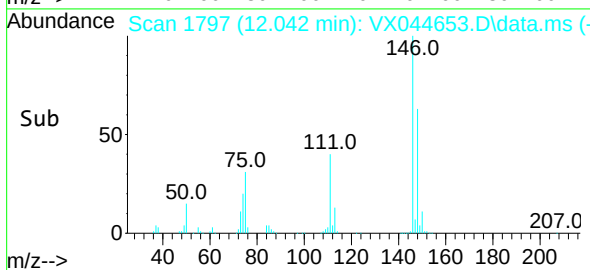
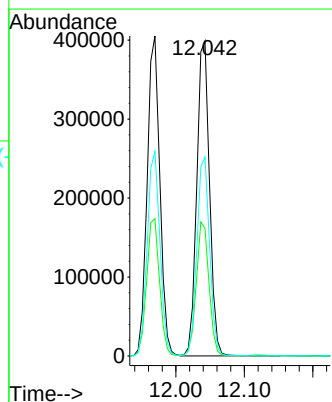
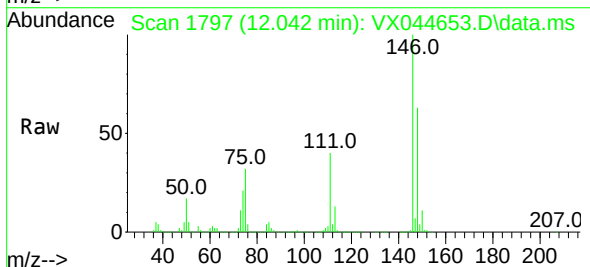
Tgt Ion:146 Resp: 516467

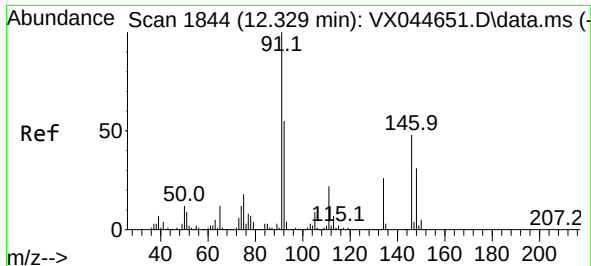
Ion Ratio Lower Upper

146 100

111 42.2 21.5 64.5

148 63.1 32.1 96.5





#89

n-Butylbenzene

Concen: 156.724 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

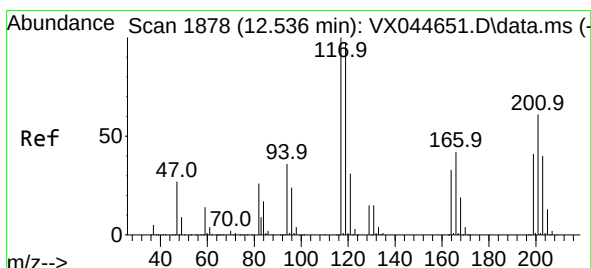
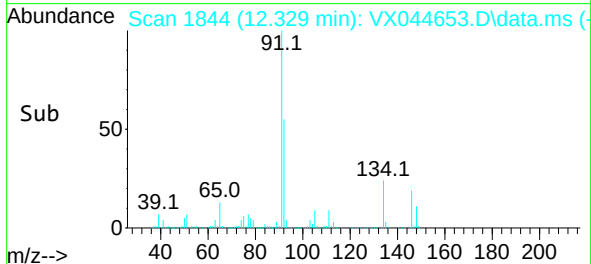
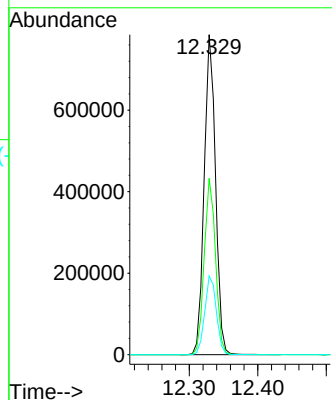
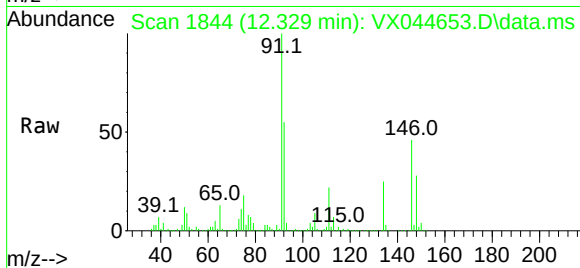
Tgt Ion: 91 Resp: 904589

Ion Ratio Lower Upper

91 100

92 55.2 27.4 82.0

134 25.3 12.8 38.3



#90

Hexachloroethane

Concen: 146.455 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044653.D

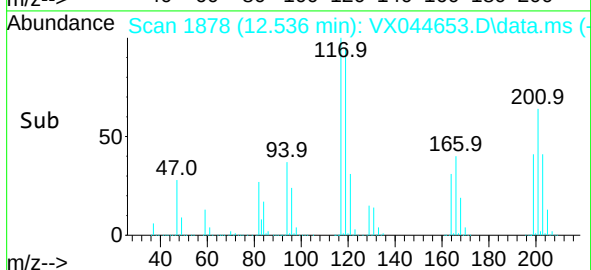
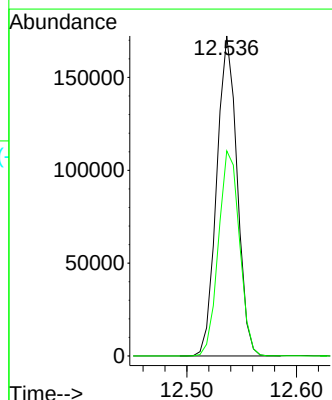
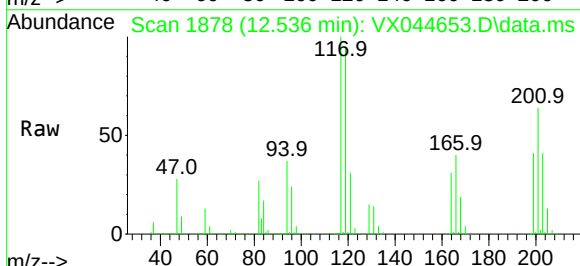
Acq: 15 Jan 2025 13:37

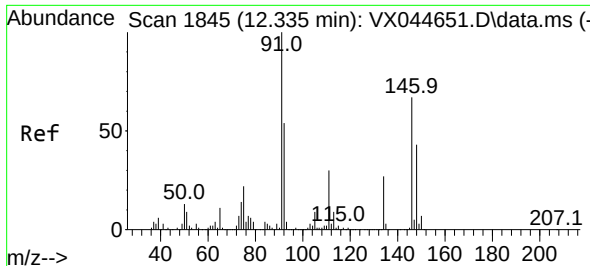
Tgt Ion: 117 Resp: 222866

Ion Ratio Lower Upper

117 100

201 66.1 32.3 96.8

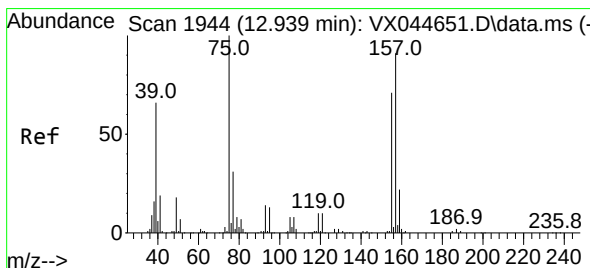
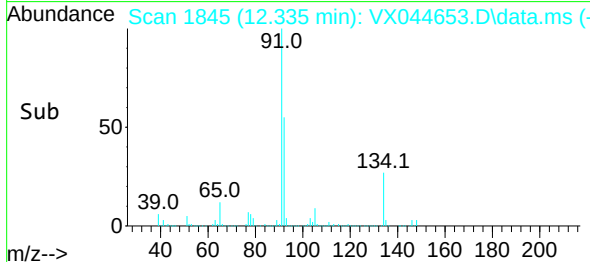
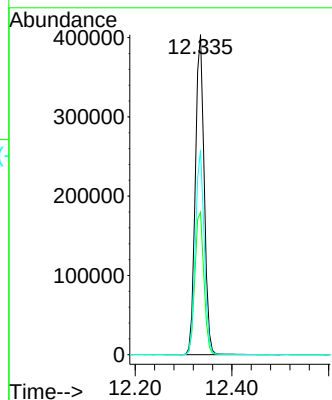
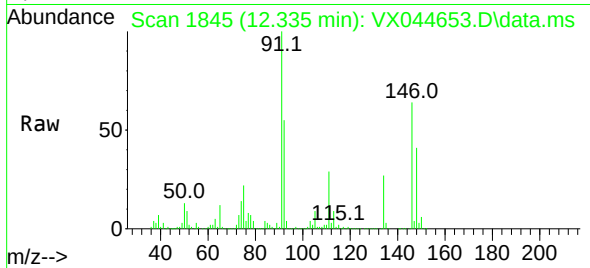




#91
1,2-Dichlorobenzene
Concen: 148.860 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

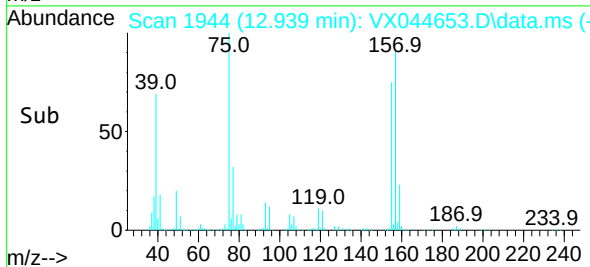
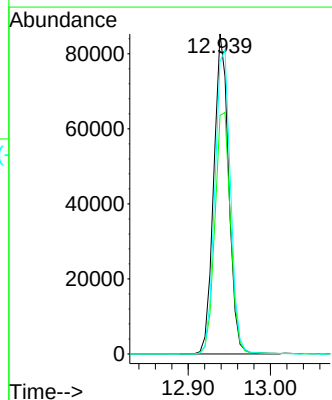
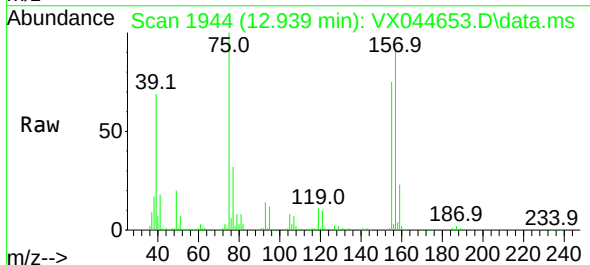
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

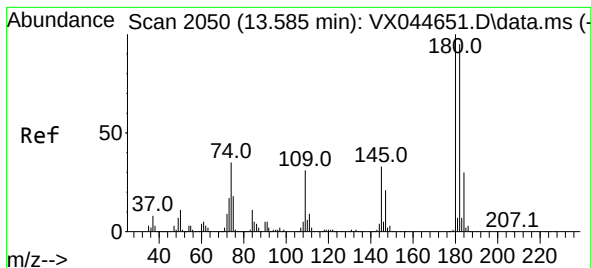
Tgt Ion:146 Resp: 511280
Ion Ratio Lower Upper
146 100
111 45.3 22.4 67.2
148 63.5 31.6 94.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 154.709 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 75 Resp: 107815
Ion Ratio Lower Upper
75 100
155 79.1 39.0 116.9
157 98.6 49.9 149.7





#93

1,2,4-Trichlorobenzene

Concen: 171.582 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

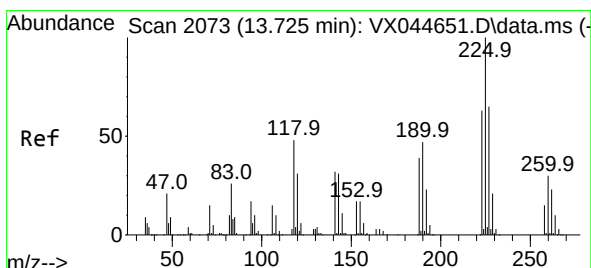
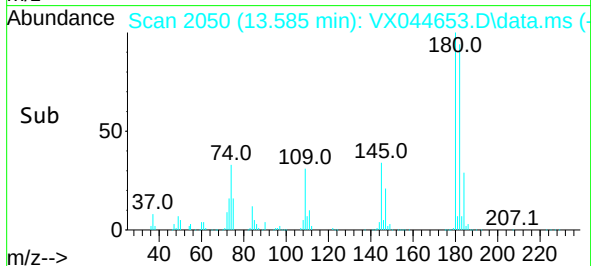
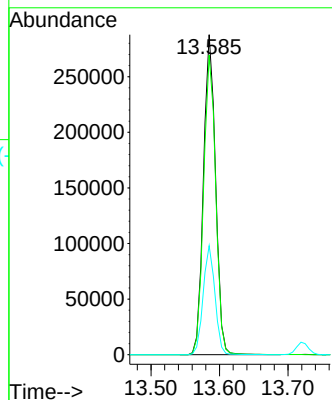
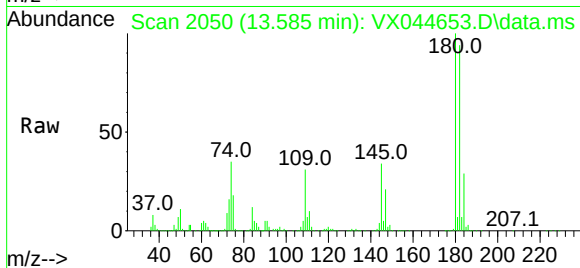
Tgt Ion:180 Resp: 352298

Ion Ratio Lower Upper

180 100

182 93.9 47.4 142.2

145 33.4 16.7 50.1



#94

Hexachlorobutadiene

Concen: 160.216 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

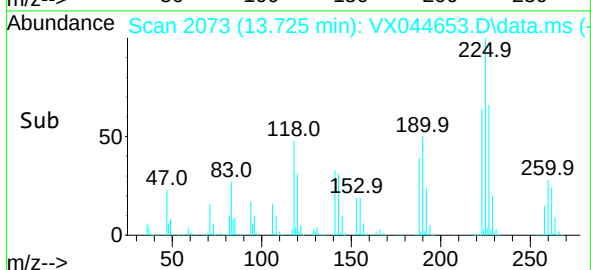
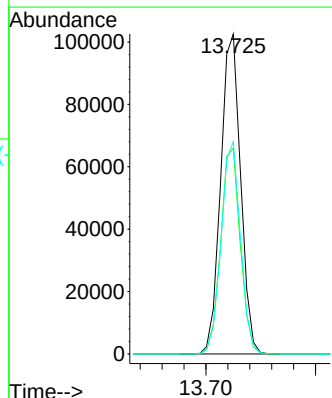
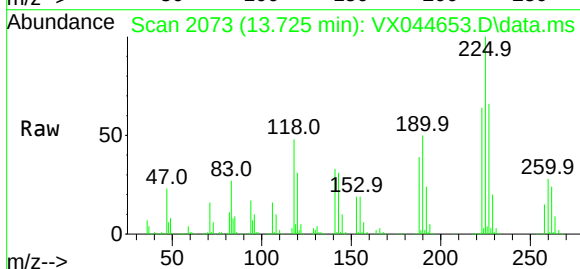
Tgt Ion:225 Resp: 129218

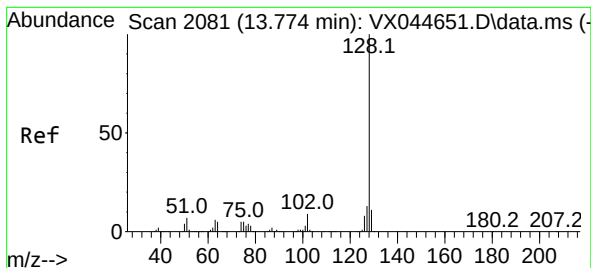
Ion Ratio Lower Upper

225 100

223 63.5 31.9 95.7

227 64.4 31.8 95.4





#95

Naphthalene

Concen: 162.361 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

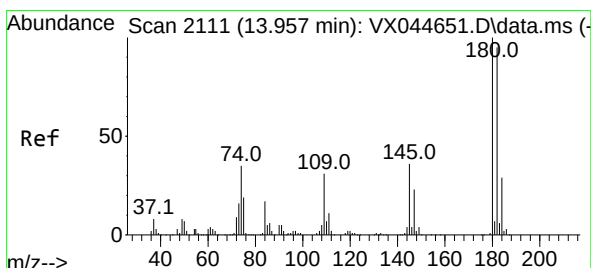
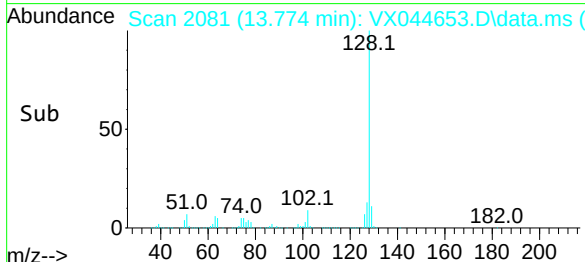
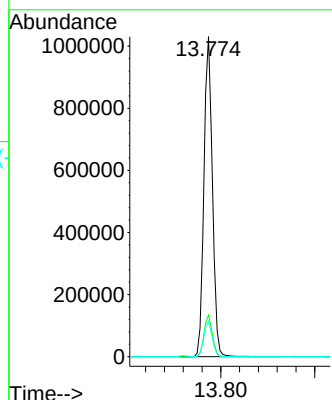
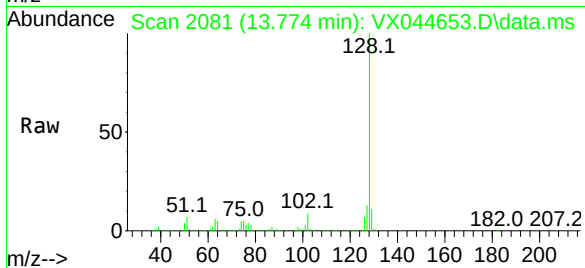
Tgt Ion:128 Resp: 1285749

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 10.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 164.515 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044653.D

Acq: 15 Jan 2025 13:37

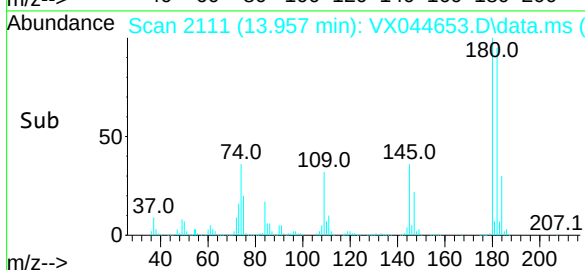
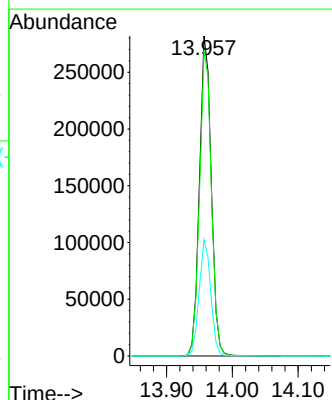
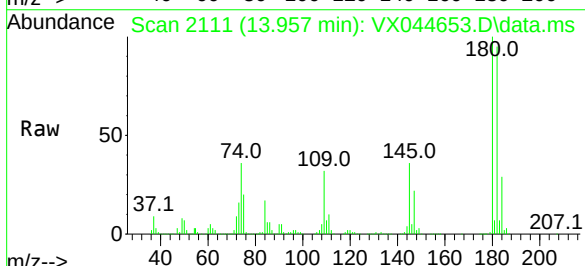
Tgt Ion:180 Resp: 350134

Ion Ratio Lower Upper

180 100

182 95.6 47.2 141.6

145 35.9 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044655.D
 Acq On : 15 Jan 2025 15:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011525

Quant Time: Jan 30 04:57:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	179405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	323521	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	266872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	115489	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	141798	52.363	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.720%	
35) Dibromofluoromethane	5.373	113	110333	53.683	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.360%	
50) Toluene-d8	8.641	98	380624	53.113	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.220%	
62) 4-Bromofluorobenzene	11.079	95	140770	52.693	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.380%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	136518	56.549	ug/l	99
3) Chloromethane	1.300	50	124691	47.763	ug/l	99
4) Vinyl Chloride	1.374	62	128558	49.839	ug/l	98
5) Bromomethane	1.593	94	30815	50.031	ug/l	98
6) Chloroethane	1.660	64	23473	49.624	ug/l	98
7) Trichlorofluoromethane	1.861	101	147644	51.789	ug/l	98
8) Diethyl Ether	2.130	74	54624	47.479	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	112018	52.271	ug/l	100
10) Methyl Iodide	2.441	142	150245	51.350	ug/l	99
11) Tert butyl alcohol	2.983	59	72932	120.809	ug/l #	82
12) 1,1-Dichloroethene	2.306	96	107643	51.243	ug/l	97
13) Acrolein	2.233	56	65602	230.919	ug/l	98
14) Allyl chloride	2.654	41	197270	48.232	ug/l	100
15) Acrylonitrile	3.062	53	307790	259.942	ug/l	99
16) Acetone	2.386	43	285777	266.735	ug/l	100
17) Carbon Disulfide	2.495	76	291339	50.827	ug/l	100
18) Methyl Acetate	2.703	43	177037	53.560	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	383394	50.389	ug/l	99
20) Methylene Chloride	2.782	84	119950	48.076	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	107127	48.846	ug/l	97
22) Diisopropyl ether	3.757	45	360169	50.659	ug/l	93
23) Vinyl Acetate	3.715	43	1583340	254.442	ug/l	99
24) 1,1-Dichloroethane	3.599	63	211436	50.150	ug/l	99
25) 2-Butanone	4.550	43	423083	265.596	ug/l	99
26) 2,2-Dichloropropane	4.458	77	198981	48.697	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	134711	48.831	ug/l	100
28) Bromochloromethane	4.885	49	97608	49.545	ug/l	99
29) Tetrahydrofuran	4.995	42	263635	256.578	ug/l	99
30) Chloroform	5.080	83	214034	50.304	ug/l	99
31) Cyclohexane	5.452	56	180309	52.878	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	191114	48.859	ug/l	99
36) 1,1-Dichloropropene	5.678	75	143891	50.294	ug/l	99
37) Ethyl Acetate	4.702	43	166128	54.526	ug/l	99
38) Carbon Tetrachloride	5.659	117	161829	50.287	ug/l	100
39) Methylcyclohexane	7.366	83	199470	52.520	ug/l	98
40) Benzene	6.025	78	448684	50.610	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
 Data File : VX044655.D
 Acq On : 15 Jan 2025 15:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011525

Quant Time: Jan 30 04:57:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	91151	51.342	ug/l	100
42) 1,2-Dichloroethane	6.074	62	164707	50.902	ug/l	100
43) Isopropyl Acetate	6.330	43	285121	50.871	ug/l	100
44) Trichloroethene	7.116	130	110588	51.887	ug/l	99
45) 1,2-Dichloropropane	7.421	63	113836	51.011	ug/l	97
46) Dibromomethane	7.574	93	84838	49.939	ug/l	100
47) Bromodichloromethane	7.811	83	174297	50.029	ug/l	99
48) Methyl methacrylate	7.683	41	137603	52.890	ug/l	99
49) 1,4-Dioxane	7.665	88	53851	992.095	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	779855	251.778	ug/l	100
52) Toluene	8.714	92	271071	49.955	ug/l	98
53) t-1,3-Dichloropropene	8.970	75	184653	51.300	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	199240	51.049	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	109957	50.085	ug/l	99
56) Ethyl methacrylate	9.110	69	190986	50.595	ug/l	99
57) 1,3-Dichloropropane	9.305	76	187407	50.129	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.232	63	466737	251.852	ug/l	100
59) 2-Hexanone	9.427	43	576549	253.010	ug/l	100
60) Dibromochloromethane	9.518	129	128727	49.957	ug/l	100
61) 1,2-Dibromoethane	9.604	107	114330	49.693	ug/l	100
64) Tetrachloroethene	9.269	164	89460	53.384	ug/l	97
65) Chlorobenzene	10.073	112	287202	50.667	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	105329	51.129	ug/l	99
67) Ethyl Benzene	10.189	91	511560	51.721	ug/l	98
68) m/p-Xylenes	10.299	106	376743	102.645	ug/l	100
69) o-Xylene	10.640	106	186995	50.378	ug/l	99
70) Styrene	10.652	104	308018	51.398	ug/l	100
71) Bromoform	10.799	173	86512	51.597	ug/l #	99
73) Isopropylbenzene	10.957	105	474051	50.246	ug/l	100
74) N-amyl acetate	10.841	43	233338	50.177	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	159673	49.002	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	191485	68.320	ug/l	79
77) Bromobenzene	11.195	156	109171	49.506	ug/l	99
78) n-propylbenzene	11.299	91	538048	51.712	ug/l	100
79) 2-Chlorotoluene	11.360	91	333891	49.678	ug/l	100
80) 1,3,5-Trimethylbenzene	11.445	105	382880	49.852	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	63708	51.981	ug/l	100
82) 4-Chlorotoluene	11.451	91	373655	50.750	ug/l	100
83) tert-Butylbenzene	11.713	119	397191	49.459	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	388010	49.714	ug/l	100
85) sec-Butylbenzene	11.890	105	477595	51.076	ug/l	100
86) p-Isopropyltoluene	12.006	119	392123	51.028	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	196862	51.476	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	193343	50.011	ug/l	99
89) n-Butylbenzene	12.329	91	350704	53.136	ug/l	99
90) Hexachloroethane	12.536	117	84427	48.518	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	194138	49.430	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39583	49.672	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	125286	53.362	ug/l	99
94) Hexachlorobutadiene	13.725	225	48702	52.807	ug/l	99
95) Naphthalene	13.774	128	479024	52.899	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	128038	52.611	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

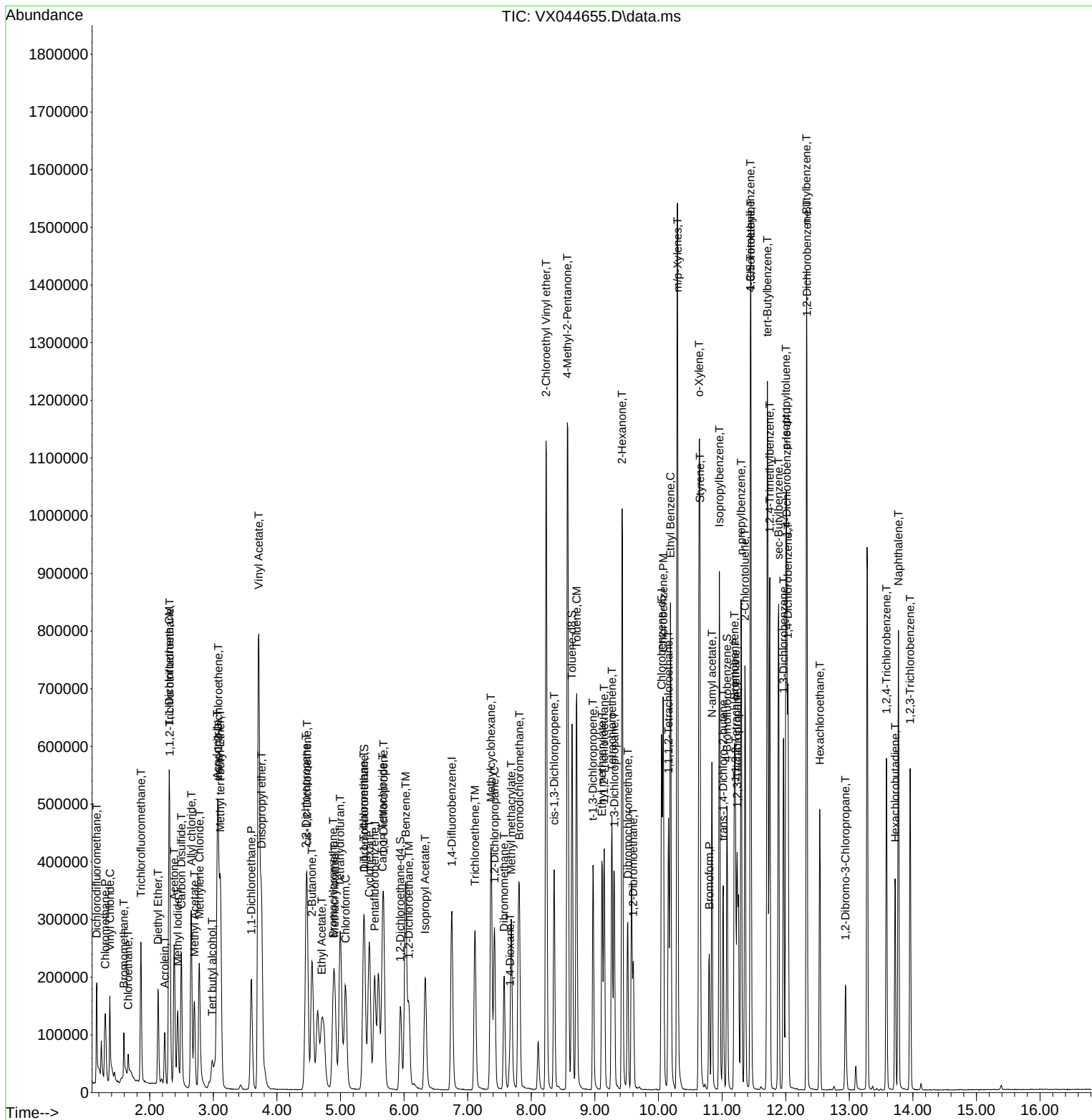
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

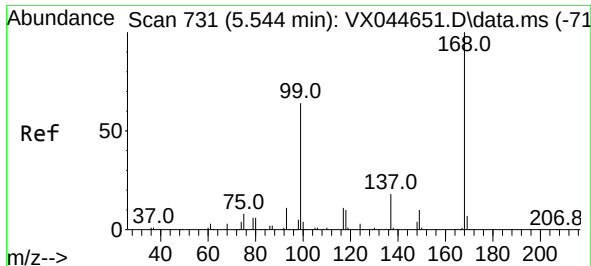
Quant Time: Jan 30 04:57:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

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

Quant Time: Jan 30 04:57:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

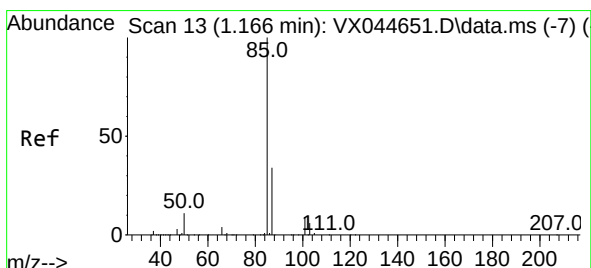
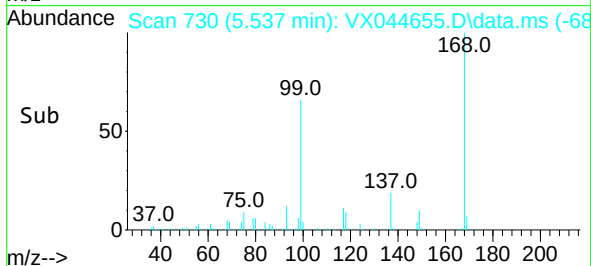
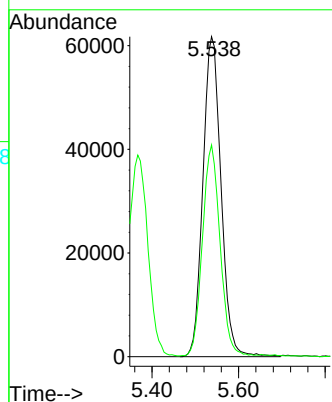
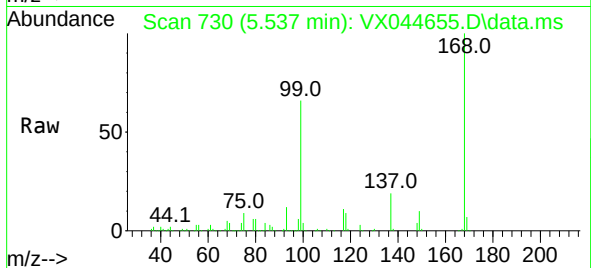




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

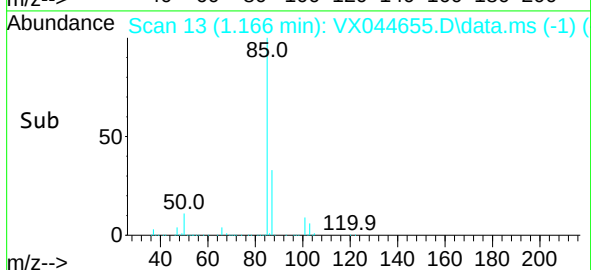
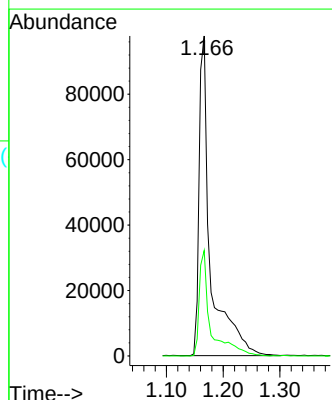
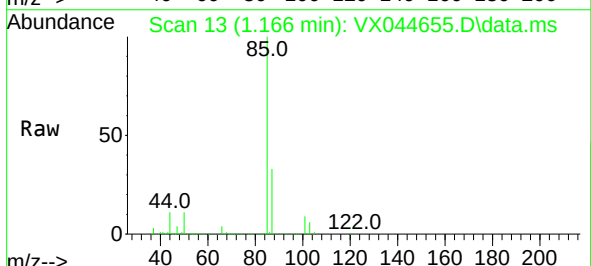
Instrument :
MSVOA_X
ClientSampleId :
ICVX011525

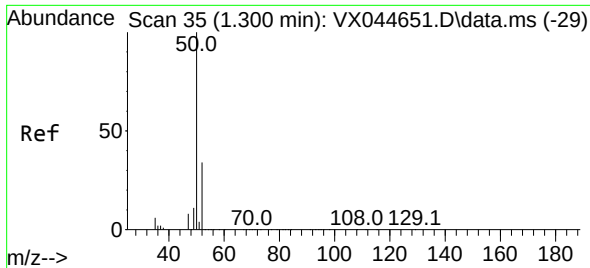
Tgt Ion:168 Resp: 179405
Ion Ratio Lower Upper
168 100
99 65.9 51.1 76.7



#2
Dichlorodifluoromethane
Concen: 56.549 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 85 Resp: 136518
Ion Ratio Lower Upper
85 100
87 33.0 16.8 50.4

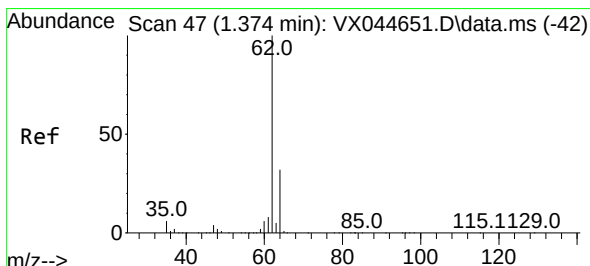
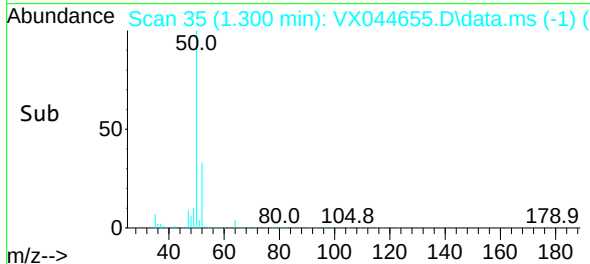
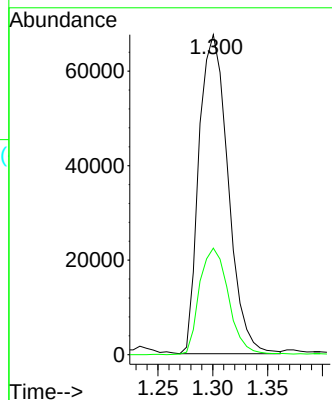
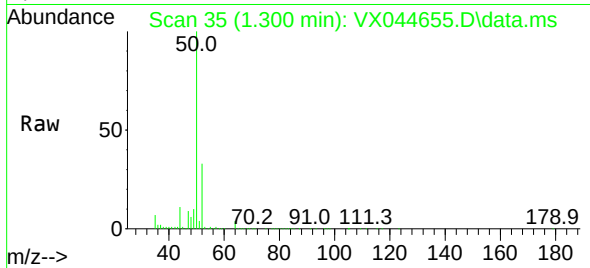




#3
Chloromethane
Concen: 47.763 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

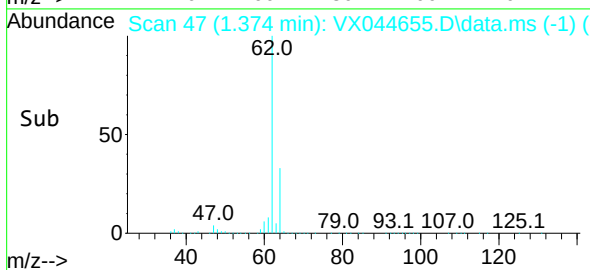
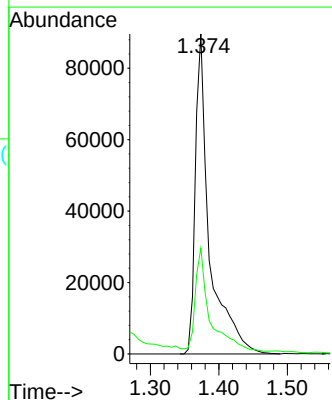
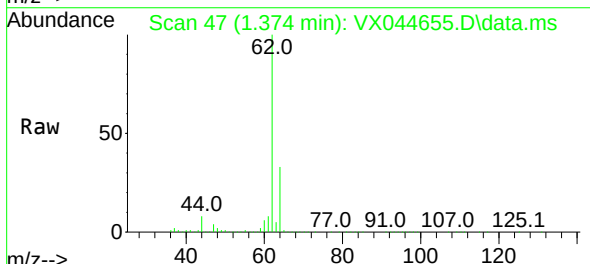
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

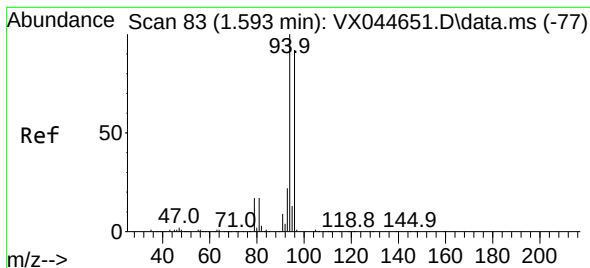
Tgt Ion: 50 Resp: 124691
Ion Ratio Lower Upper
50 100
52 33.3 27.0 40.4



#4
Vinyl Chloride
Concen: 49.839 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 62 Resp: 128558
Ion Ratio Lower Upper
62 100
64 32.2 26.6 39.8





#5

Bromomethane

Concen: 50.031 ug/l

RT: 1.593 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

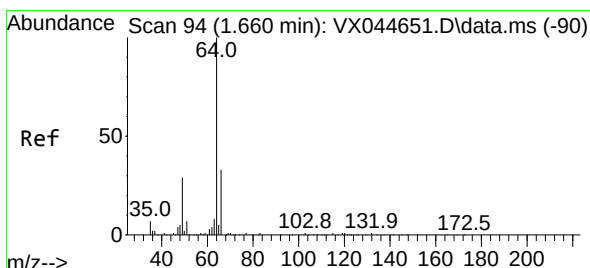
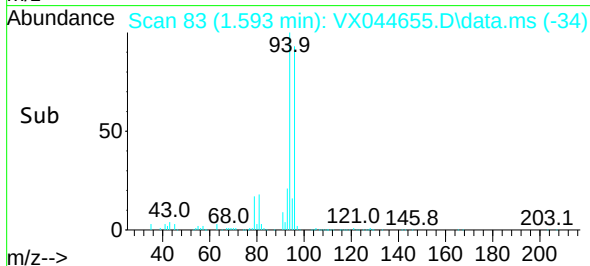
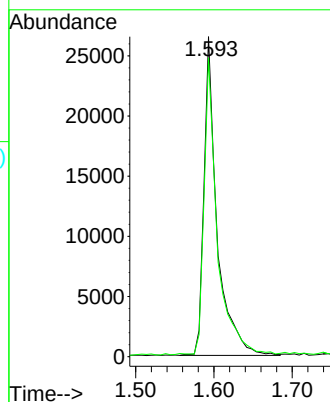
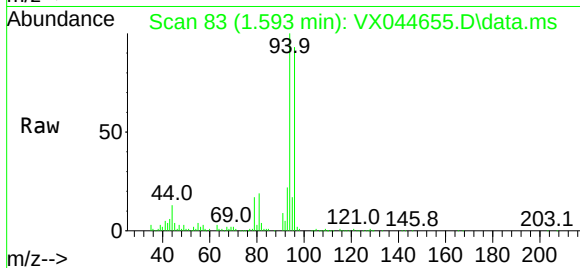
ICVVX011525

Tgt Ion: 94 Resp: 30815

Ion Ratio Lower Upper

94 100

96 92.8 72.8 109.2



#6

Chloroethane

Concen: 49.624 ug/l

RT: 1.660 min Scan# 94

Delta R.T. 0.000 min

Lab File: VX044655.D

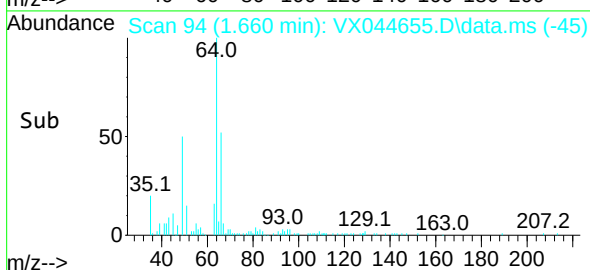
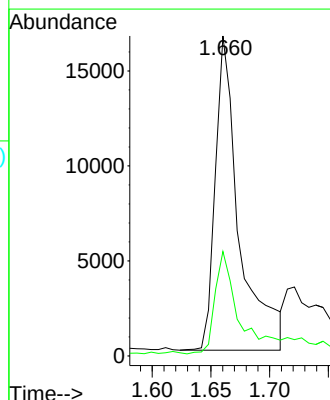
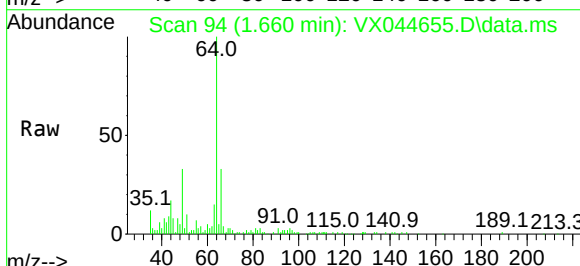
Acq: 15 Jan 2025 15:15

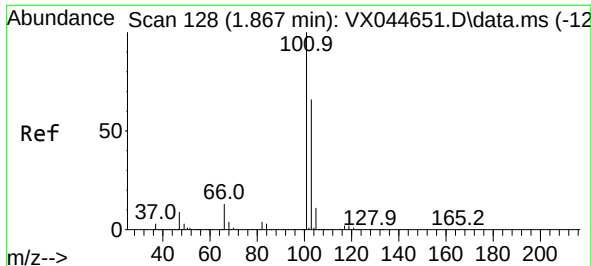
Tgt Ion: 64 Resp: 23473

Ion Ratio Lower Upper

64 100

66 32.2 26.6 39.8

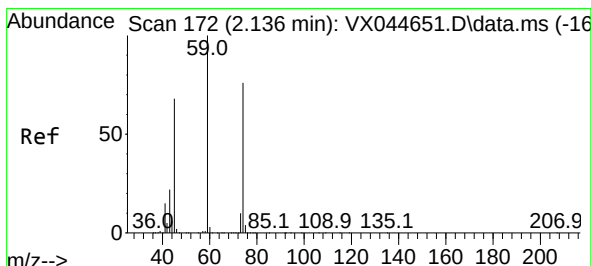
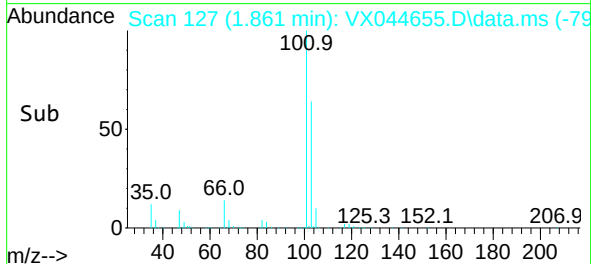
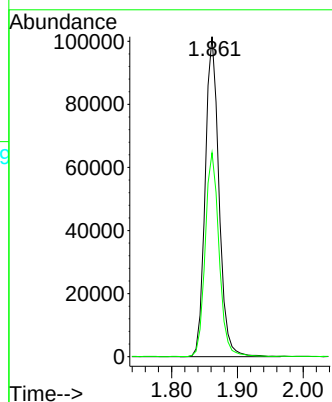
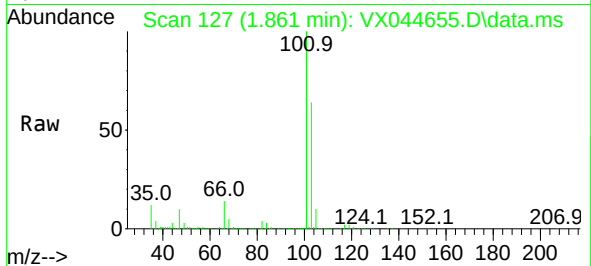




#7
Trichlorofluoromethane
Concen: 51.789 ug/l
RT: 1.861 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

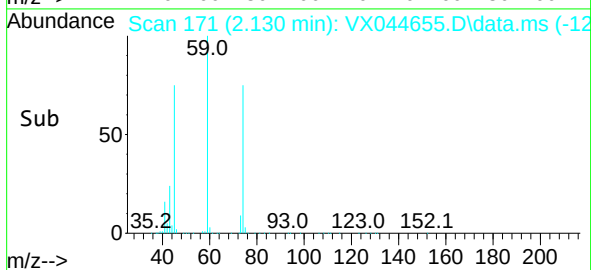
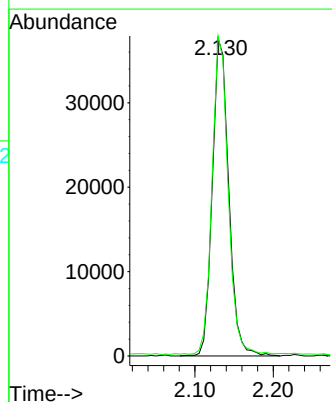
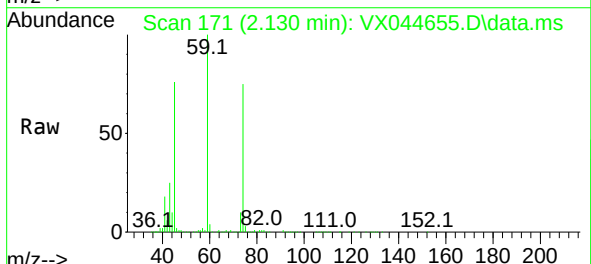
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

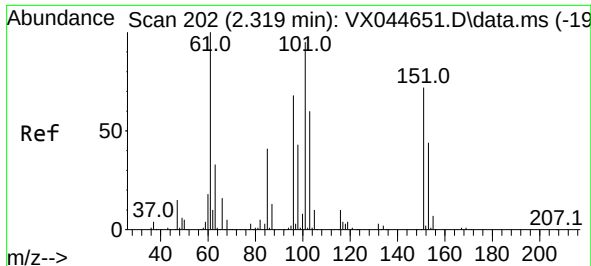
Tgt Ion:101 Resp: 147644
Ion Ratio Lower Upper
101 100
103 63.7 52.5 78.7



#8
Diethyl Ether
Concen: 47.479 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 74 Resp: 54624
Ion Ratio Lower Upper
74 100
45 98.4 47.1 141.3

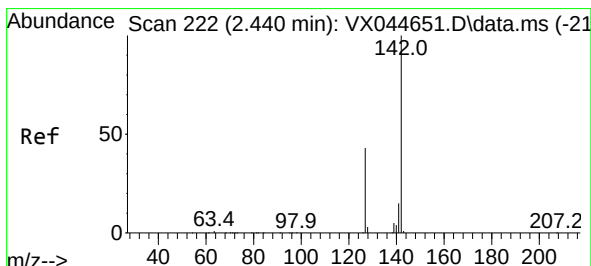
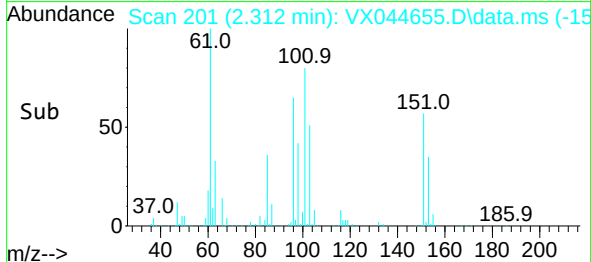
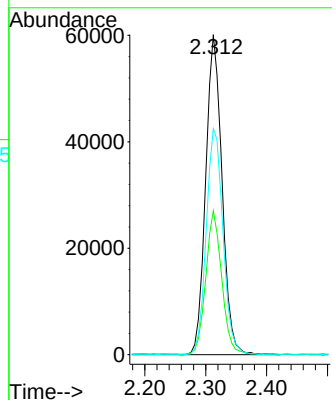
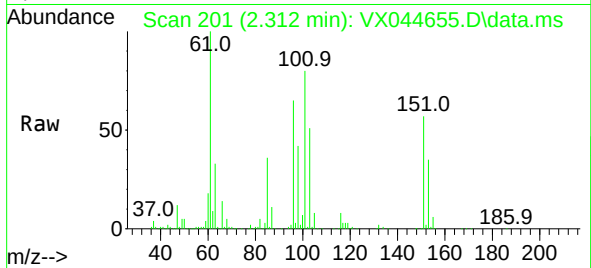




#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.271 ug/l
RT: 2.312 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

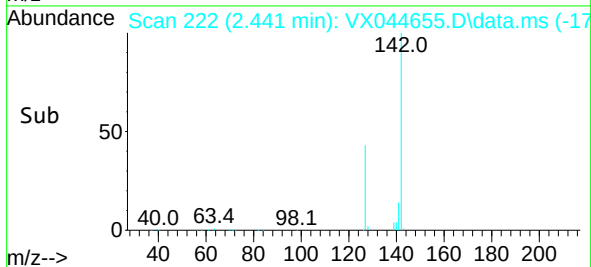
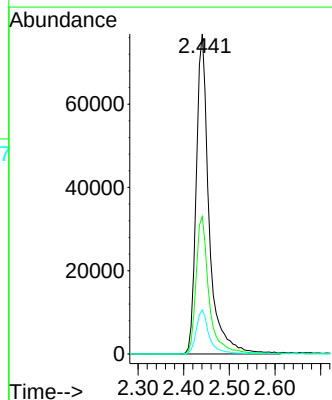
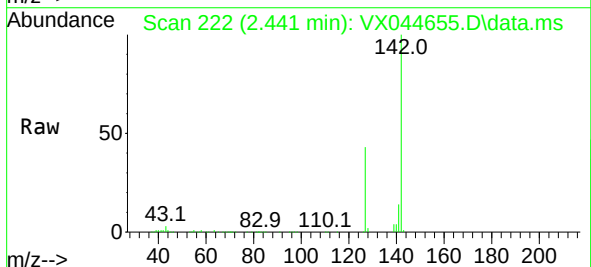
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

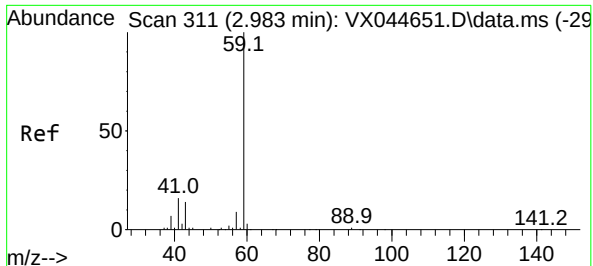
Tgt Ion:101 Resp: 112018
Ion Ratio Lower Upper
101 100
85 43.6 35.3 52.9
151 72.6 58.2 87.4



#10
Methyl Iodide
Concen: 51.350 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:142 Resp: 150245
Ion Ratio Lower Upper
142 100
127 43.6 35.0 52.4
141 13.8 11.7 17.5

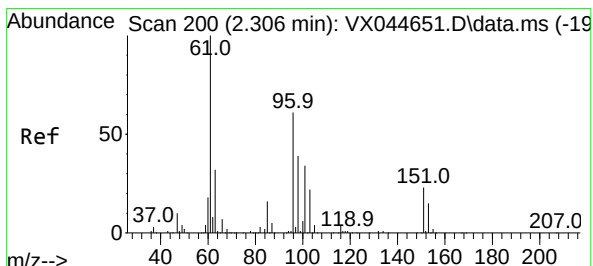
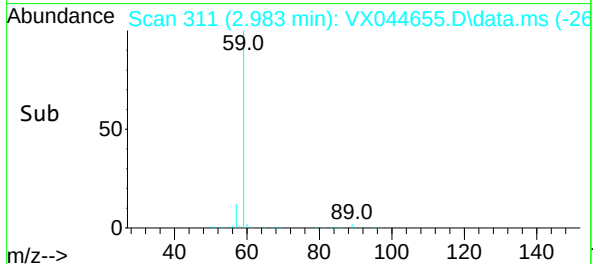
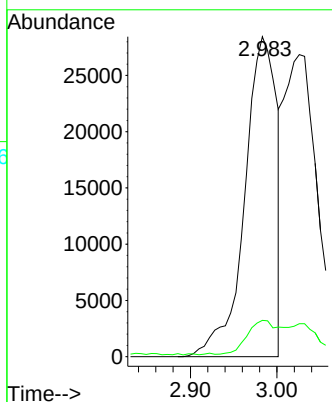
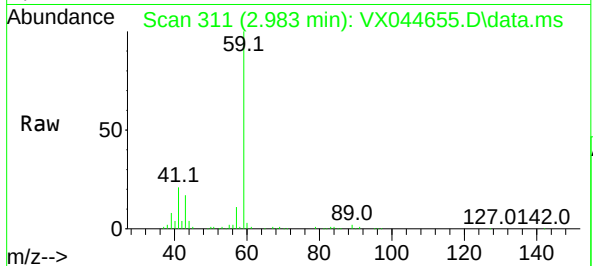




#11
Tert butyl alcohol
Concen: 120.809 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

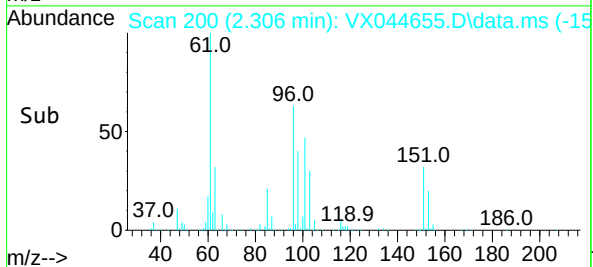
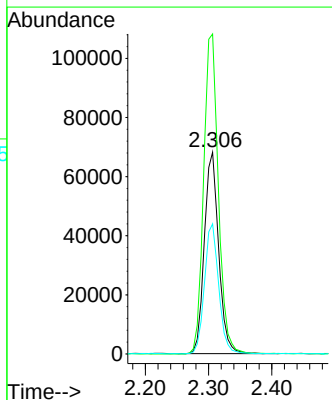
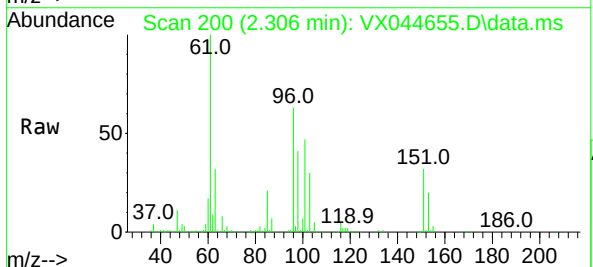
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

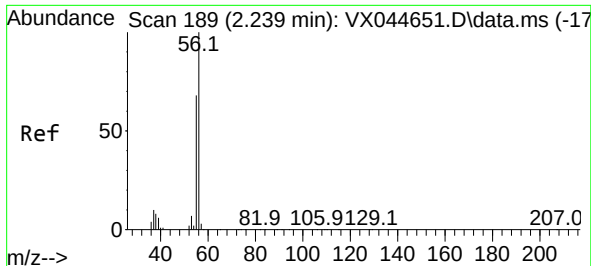
Tgt Ion: 59 Resp: 72932
Ion Ratio Lower Upper
59 100
57 10.8 3.9 5.9#



#12
1,1-Dichloroethene
Concen: 51.243 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 96 Resp: 107643
Ion Ratio Lower Upper
96 100
61 158.8 131.1 196.7
98 64.3 51.2 76.8

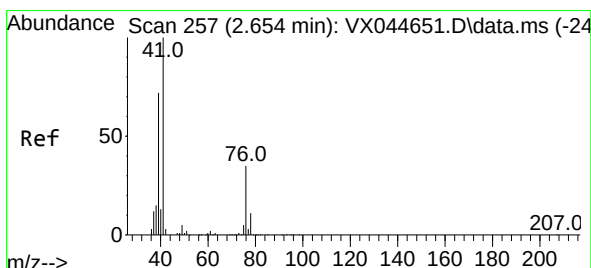
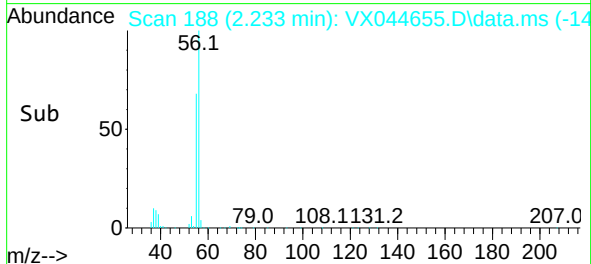
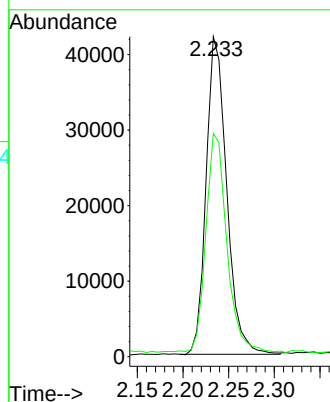
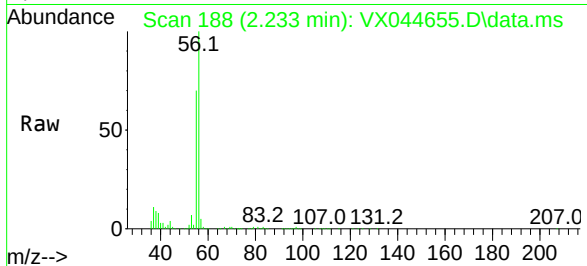




#13
Acrolein
Concen: 230.919 ug/l
RT: 2.233 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

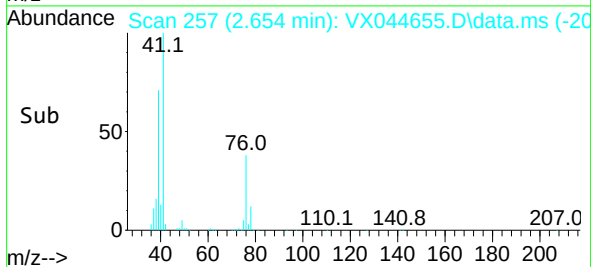
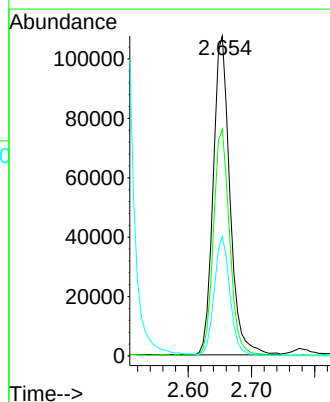
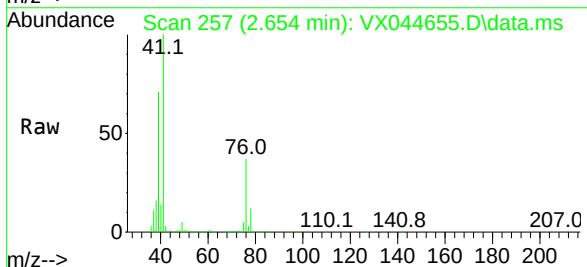
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

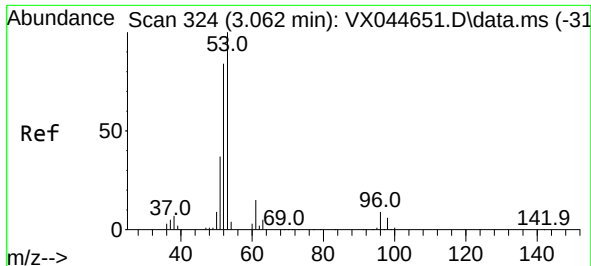
Tgt Ion: 56 Resp: 65602
Ion Ratio Lower Upper
56 100
55 70.6 55.1 82.7



#14
Allyl chloride
Concen: 48.232 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 41 Resp: 197270
Ion Ratio Lower Upper
41 100
39 68.5 54.9 82.3
76 35.6 28.4 42.6

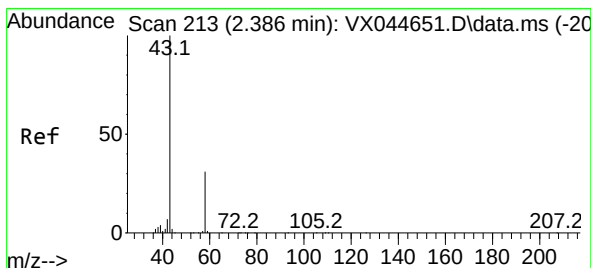
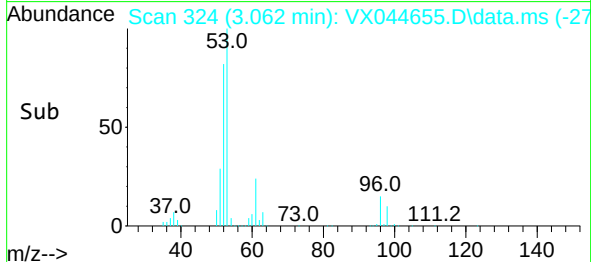
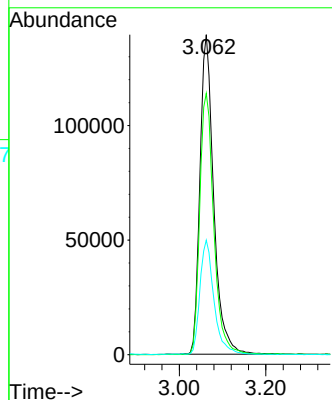
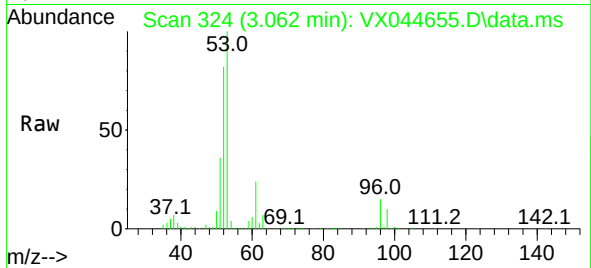




#15
Acrylonitrile
Concen: 259.942 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

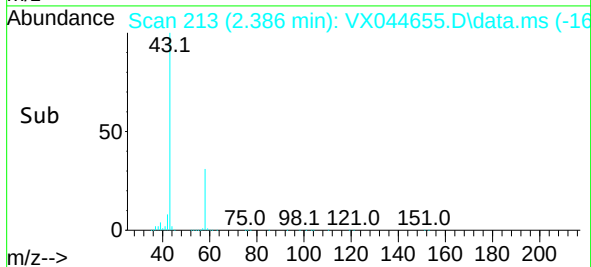
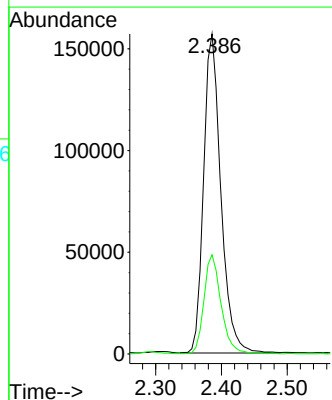
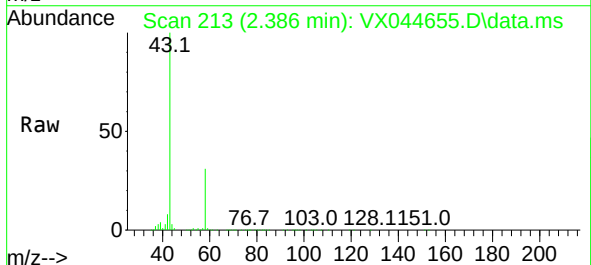
Instrument :
MSVOA_X
ClientSampleId :
ICVX011525

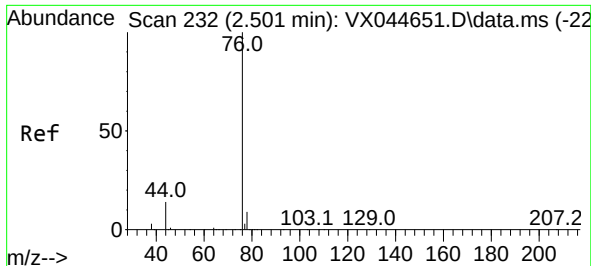
Tgt Ion: 53 Resp: 307790
Ion Ratio Lower Upper
53 100
52 83.2 66.0 99.0
51 36.2 28.9 43.3



#16
Acetone
Concen: 266.735 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 43 Resp: 285777
Ion Ratio Lower Upper
43 100
58 31.0 24.6 37.0

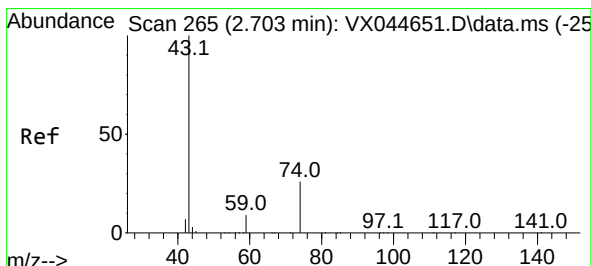
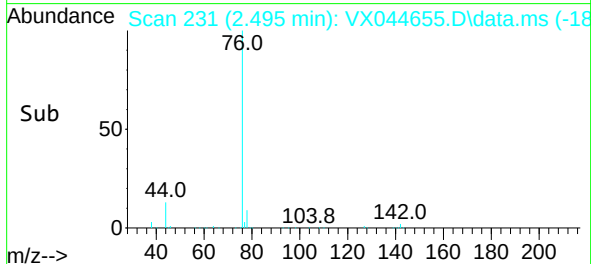
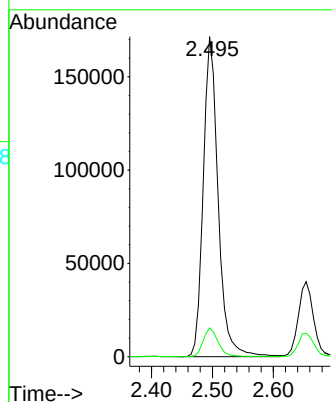
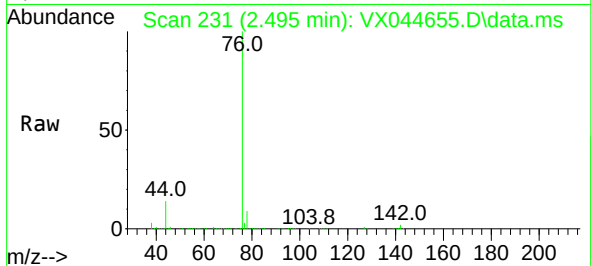




#17
Carbon Disulfide
Concen: 50.827 ug/l
RT: 2.495 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

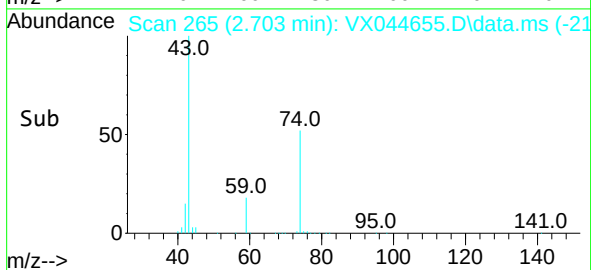
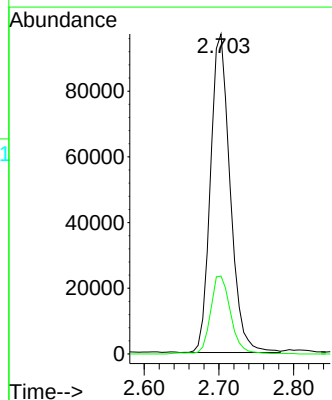
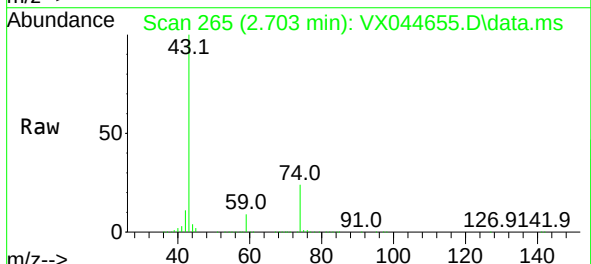
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

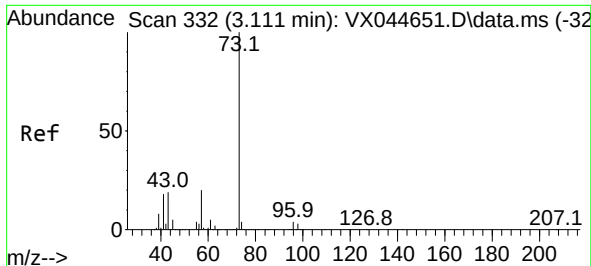
Tgt Ion: 76 Resp: 291339
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 53.560 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 43 Resp: 177037
Ion Ratio Lower Upper
43 100
74 25.4 19.8 29.8

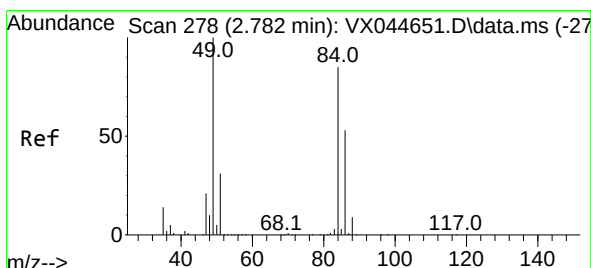
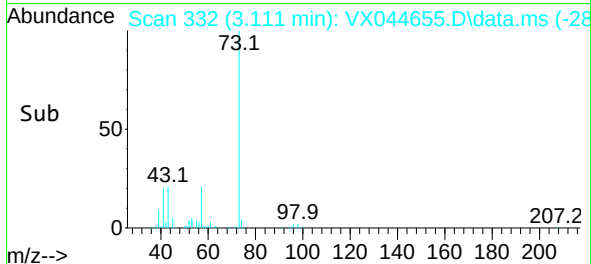
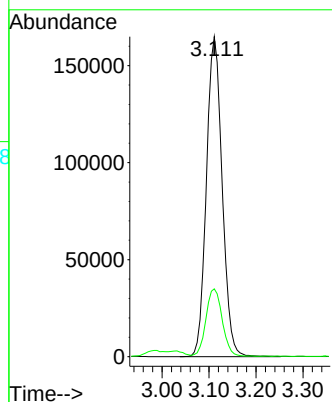
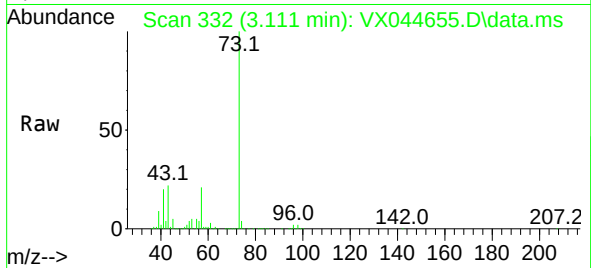




#19
Methyl tert-butyl Ether
Concen: 50.389 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

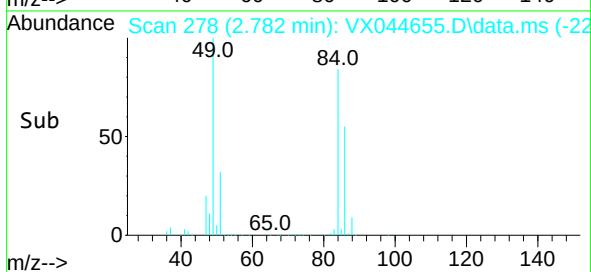
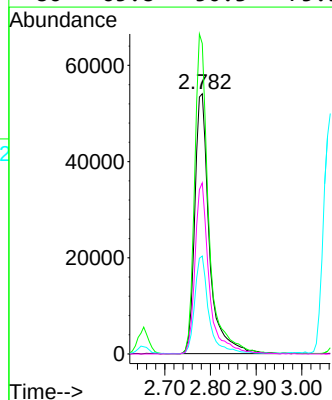
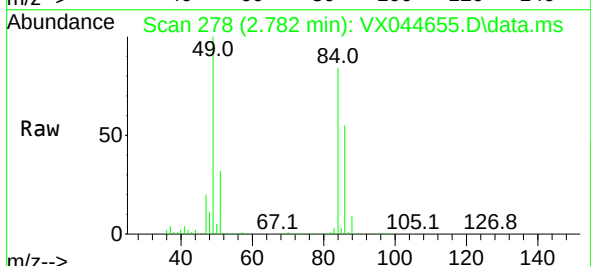
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

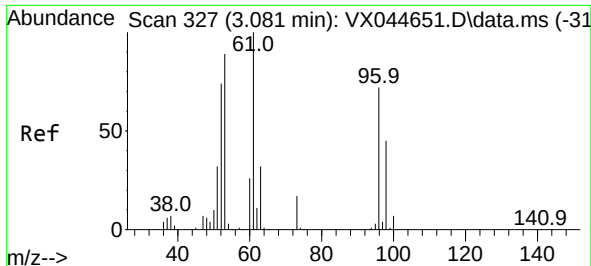
Tgt Ion: 73 Resp: 383394
Ion Ratio Lower Upper
73 100
57 21.1 17.4 26.0



#20
Methylene Chloride
Concen: 48.076 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 84 Resp: 119950
Ion Ratio Lower Upper
84 100
49 119.5 94.2 141.4
51 37.6 28.8 43.2
86 65.8 50.3 75.5

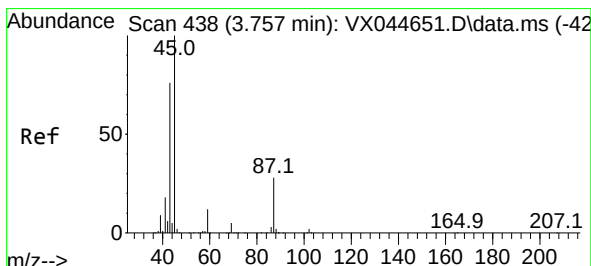
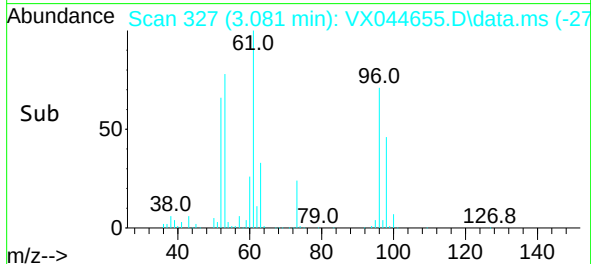
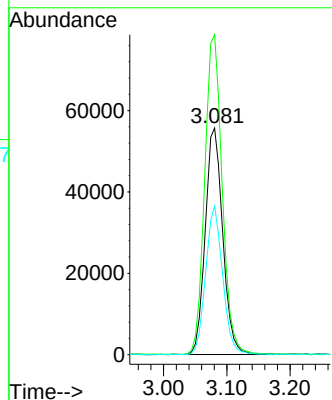
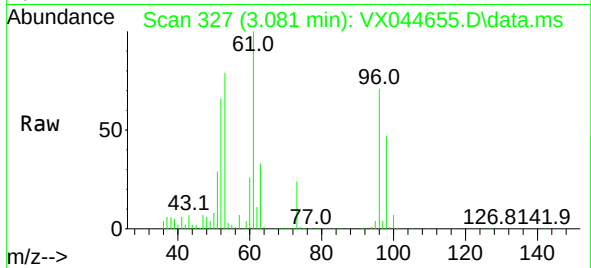




#21
trans-1,2-Dichloroethene
Concen: 48.846 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

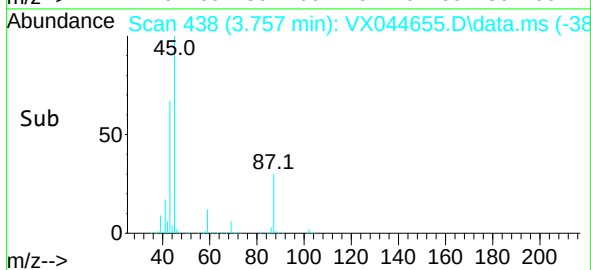
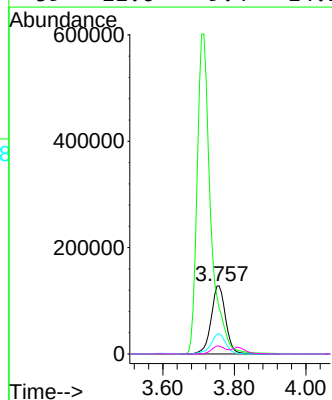
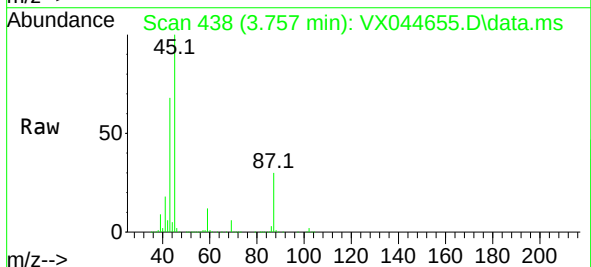
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

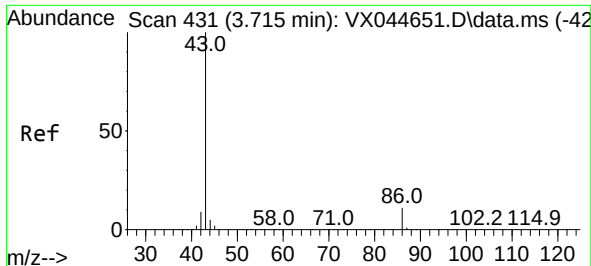
Tgt Ion: 96 Resp: 107127
Ion Ratio Lower Upper
96 100
61 141.2 111.0 166.6
98 65.6 50.2 75.2



#22
Diisopropyl ether
Concen: 50.659 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 45 Resp: 360169
Ion Ratio Lower Upper
45 100
43 67.3 61.0 91.6
87 29.5 22.7 34.1
59 11.6 9.4 14.2

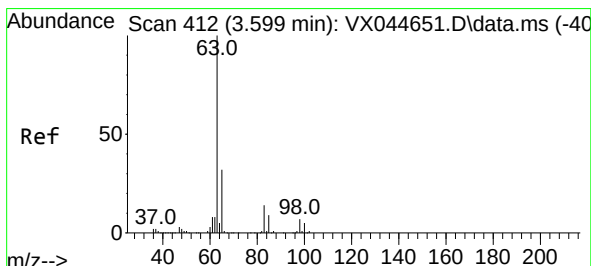
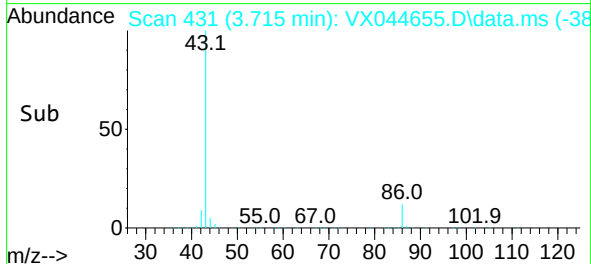
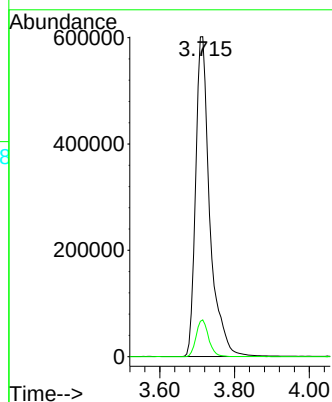
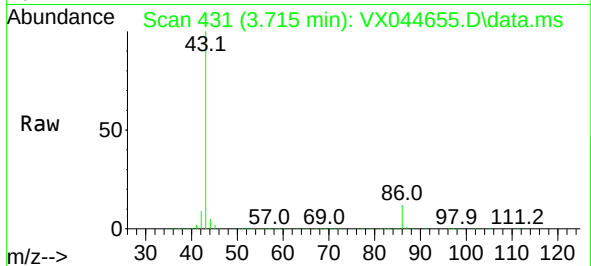




#23
 Vinyl Acetate
 Concen: 254.442 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX044655.D
 Acq: 15 Jan 2025 15:15

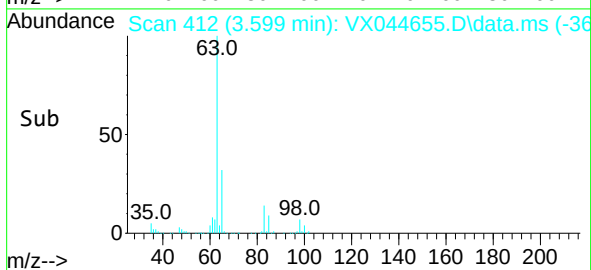
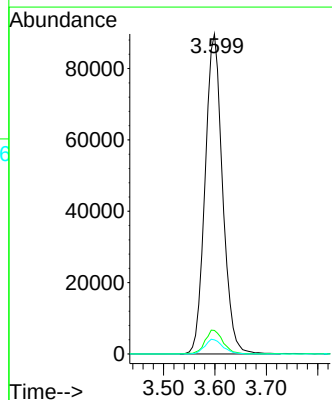
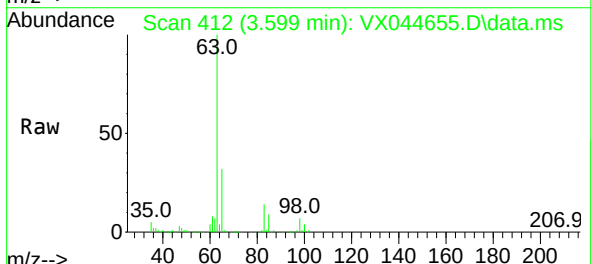
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011525

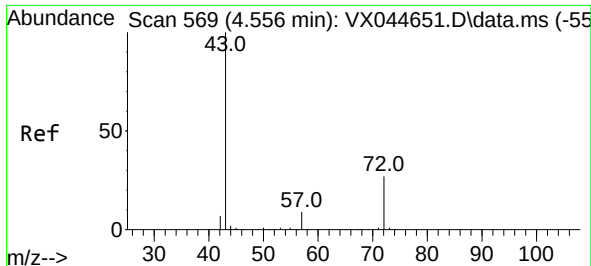
Tgt Ion: 43 Resp: 1583340
 Ion Ratio Lower Upper
 43 100
 86 11.5 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 50.150 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. 0.000 min
 Lab File: VX044655.D
 Acq: 15 Jan 2025 15:15

Tgt Ion: 63 Resp: 211436
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.6 10.9
 100 4.4 2.5 7.5

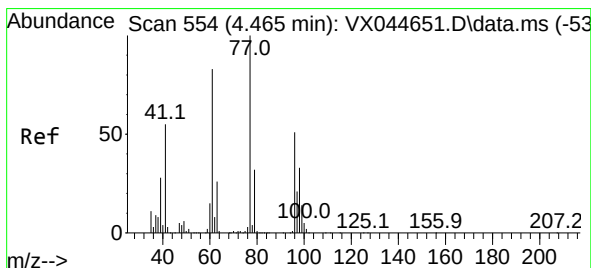
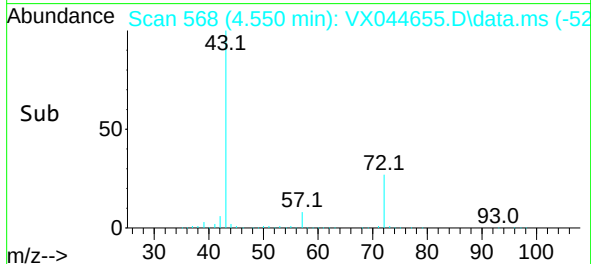
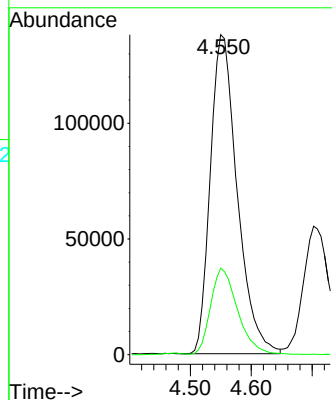
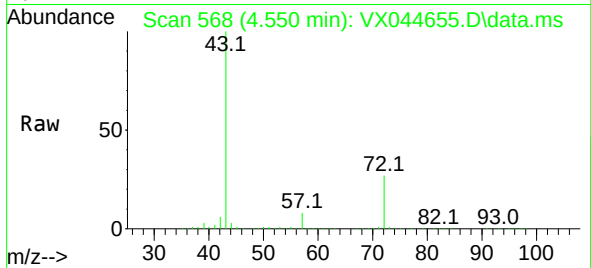




#25
2-Butanone
Concen: 265.596 ug/l
RT: 4.550 min Scan# 501
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

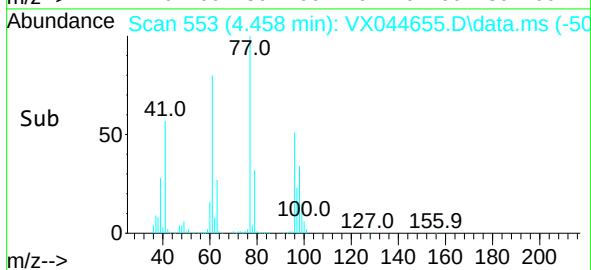
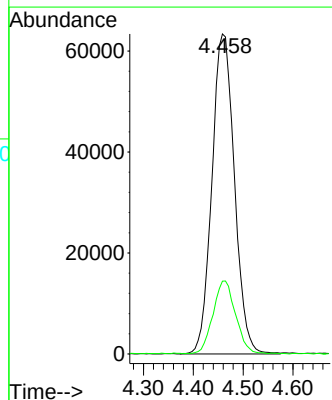
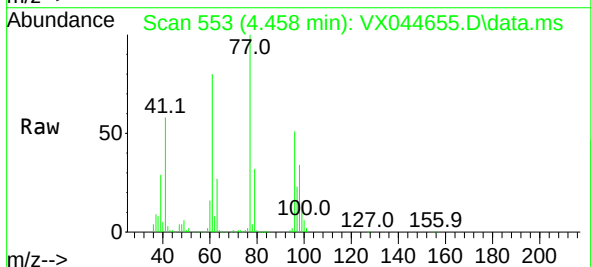
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

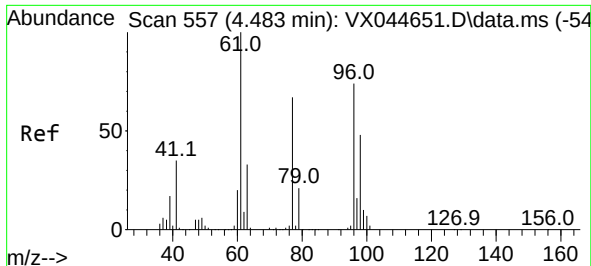
Tgt Ion: 43 Resp: 423083
Ion Ratio Lower Upper
43 100
72 26.8 21.7 32.5



#26
2,2-Dichloropropane
Concen: 48.697 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 77 Resp: 198981
Ion Ratio Lower Upper
77 100
97 22.6 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 48.831 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011525

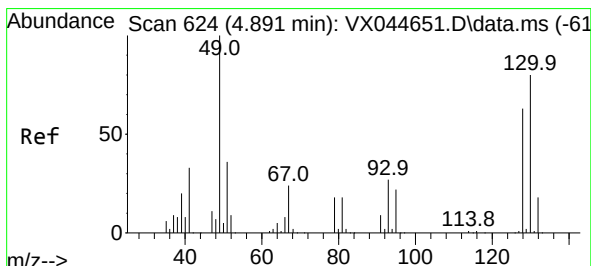
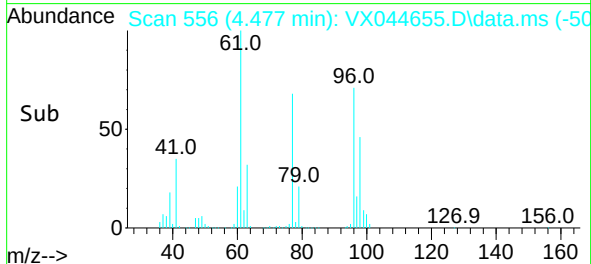
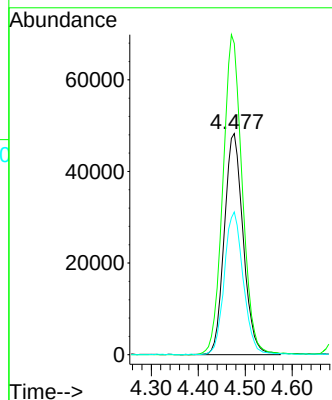
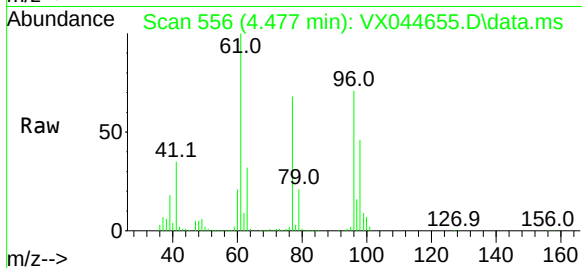
Tgt Ion: 96 Resp: 134711

Ion Ratio Lower Upper

96 100

61 148.4 0.0 296.0

98 64.7 0.0 130.0



#28

Bromochloromethane

Concen: 49.545 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

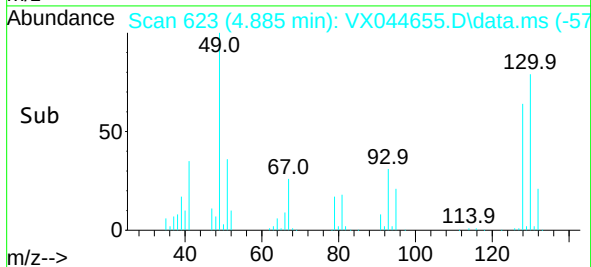
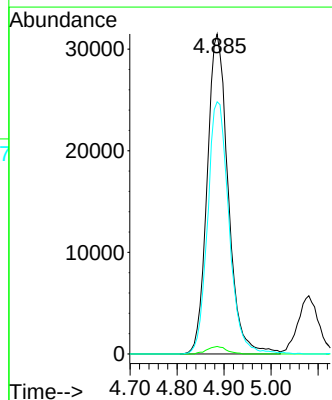
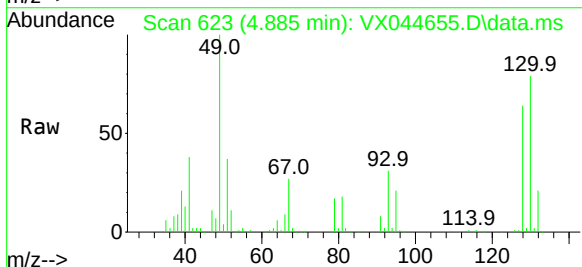
Tgt Ion: 49 Resp: 97608

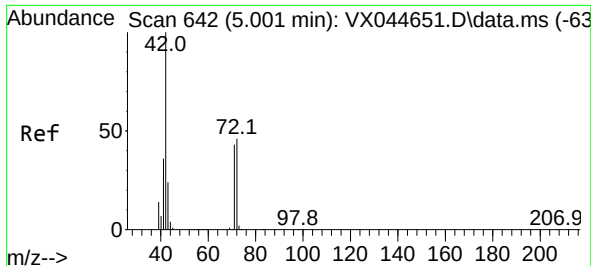
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 80.4 63.4 95.2





#29

Tetrahydrofuran

Concen: 256.578 ug/l

RT: 4.995 min Scan# 641

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX011525

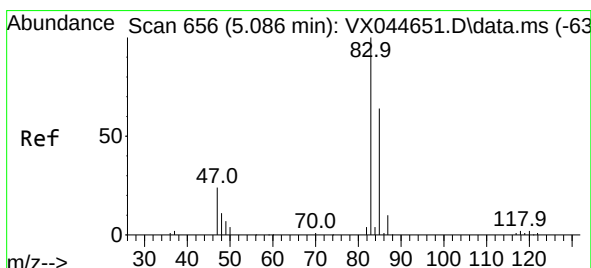
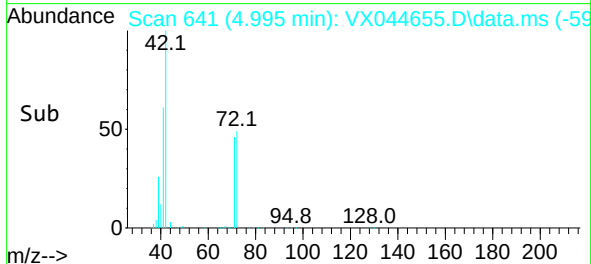
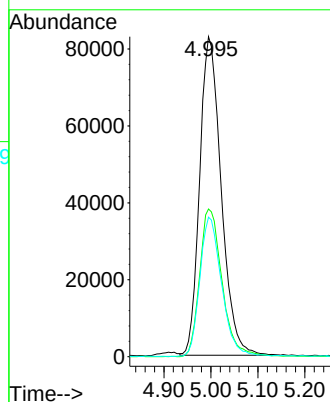
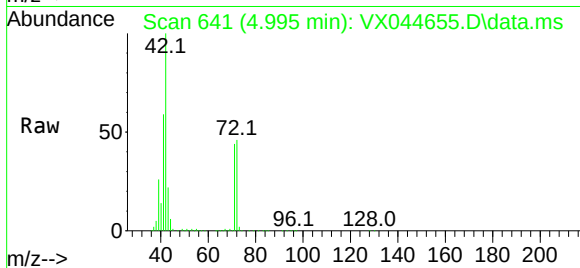
Tgt Ion: 42 Resp: 263635

Ion Ratio Lower Upper

42 100

72 48.3 38.2 57.4

71 44.3 35.3 52.9



#30

Chloroform

Concen: 50.304 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX044655.D

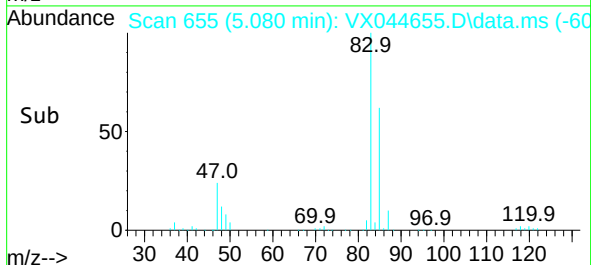
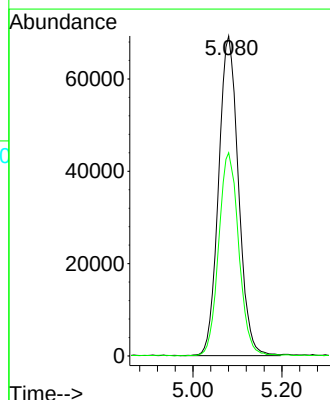
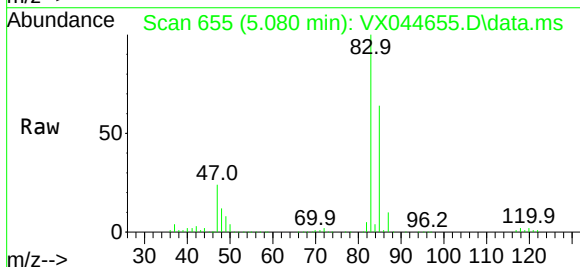
Acq: 15 Jan 2025 15:15

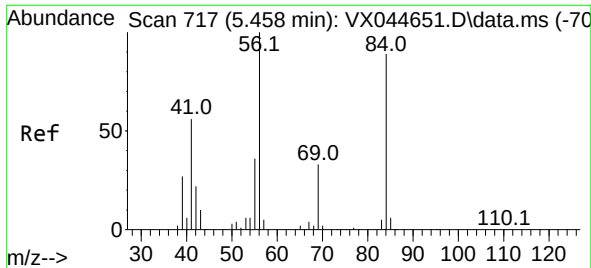
Tgt Ion: 83 Resp: 214034

Ion Ratio Lower Upper

83 100

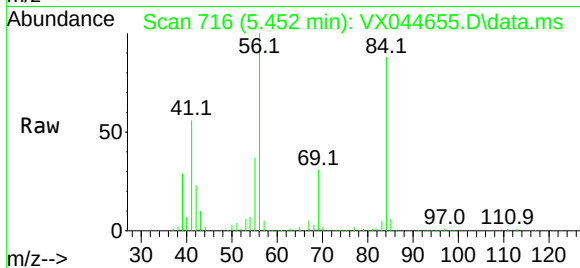
85 63.5 51.2 76.8



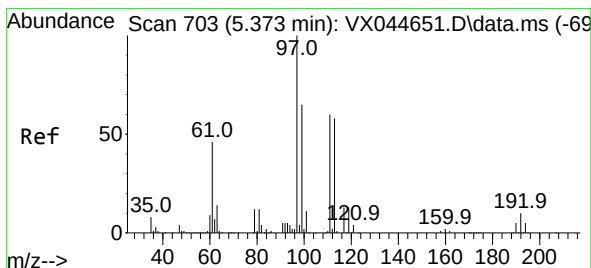
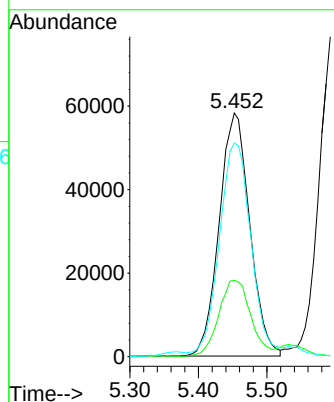
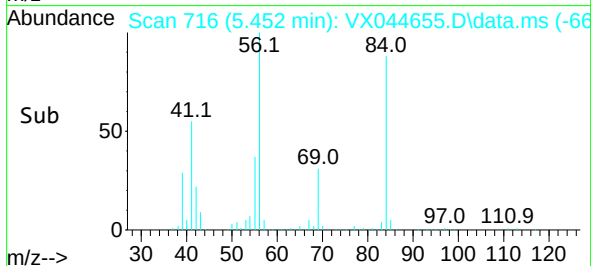


#31
Cyclohexane
Concen: 52.878 ug/l
RT: 5.452 min Scan# 716
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

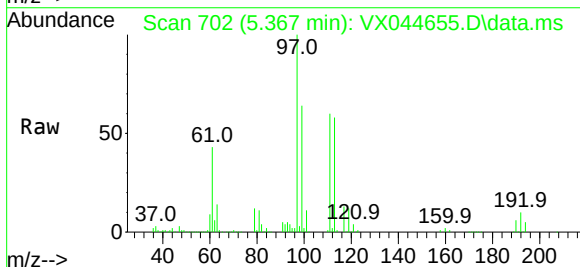
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525



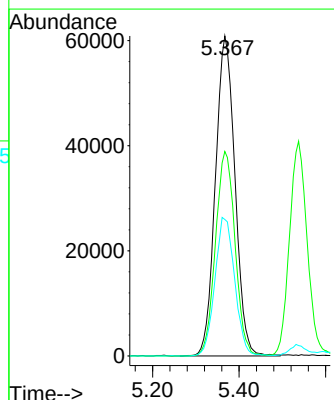
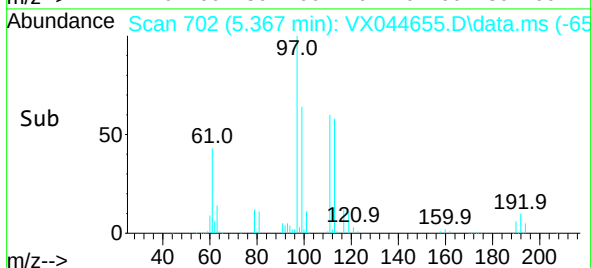
Tgt Ion: 56 Resp: 180309
Ion Ratio Lower Upper
56 100
69 31.2 26.8 40.2
84 86.0 71.0 106.4

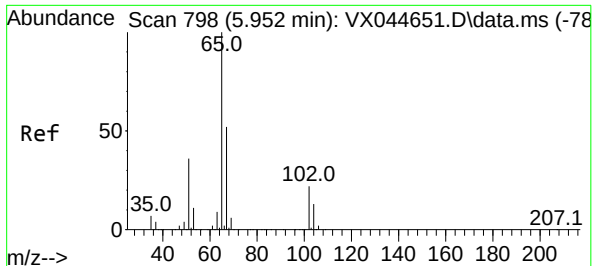


#32
1,1,1-Trichloroethane
Concen: 48.859 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15



Tgt Ion: 97 Resp: 191114
Ion Ratio Lower Upper
97 100
99 63.9 51.6 77.4
61 43.9 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 52.363 ug/l

RT: 5.940 min Scan# 798

Delta R.T. -0.012 min

Lab File: VX044655.D

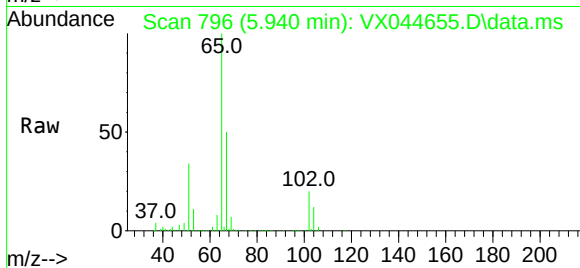
Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011525

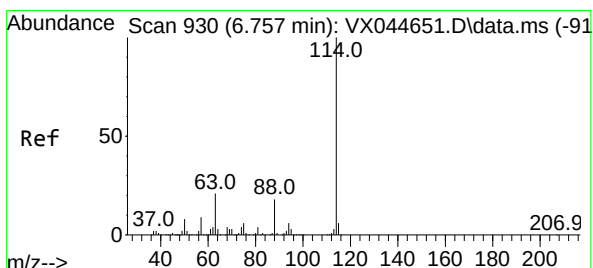
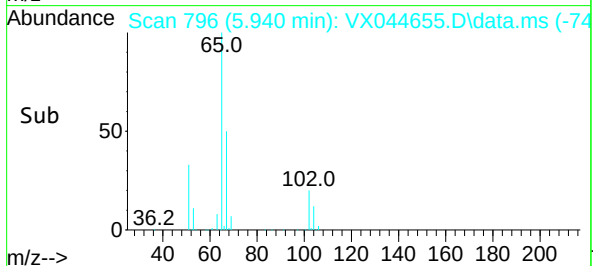
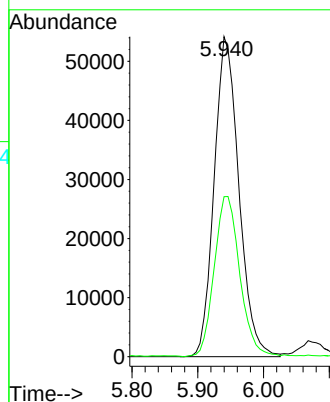


Tgt Ion: 65 Resp: 141798

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

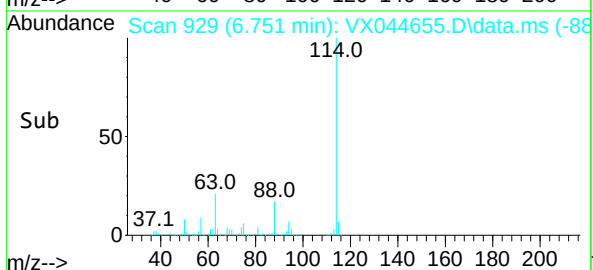
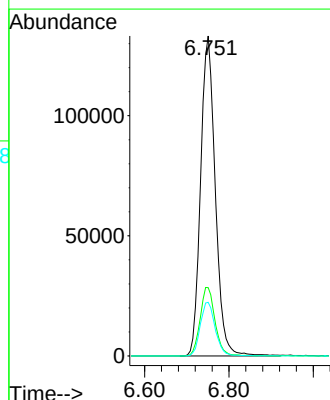
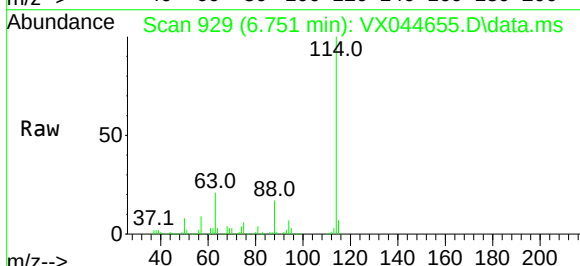
Tgt Ion: 114 Resp: 323521

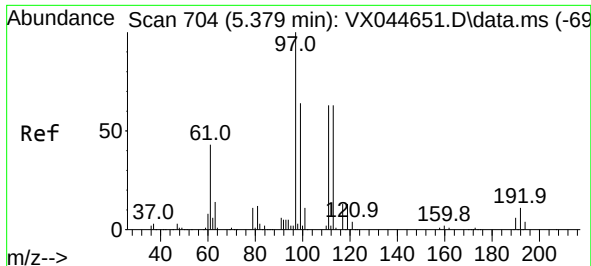
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.0

88 16.8 0.0 35.4

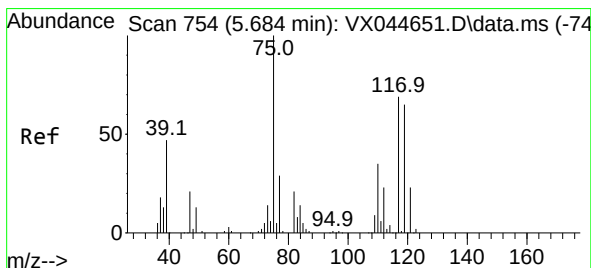
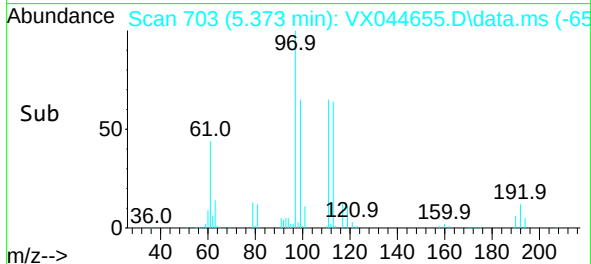
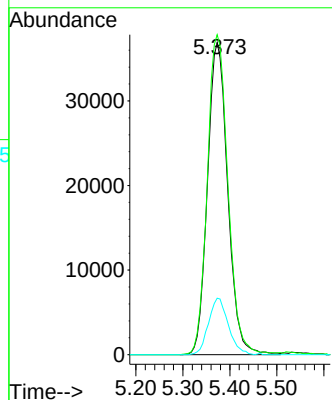
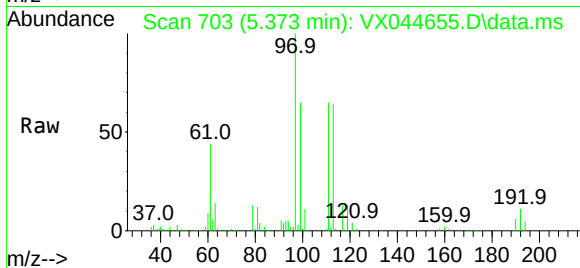




#35
Dibromofluoromethane
Concen: 53.683 ug/l
RT: 5.373 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

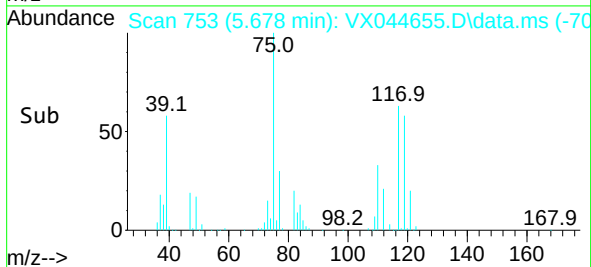
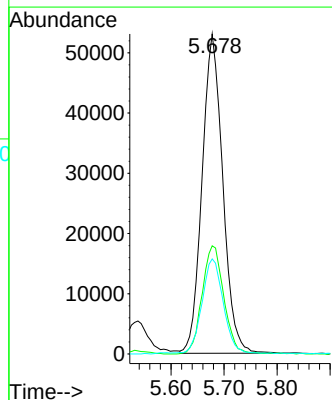
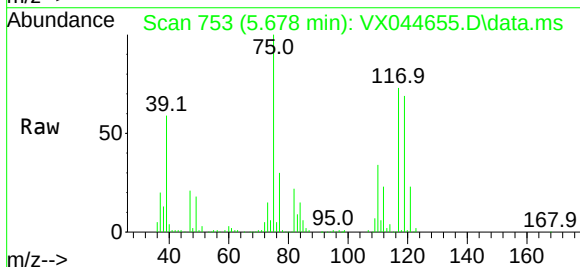
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

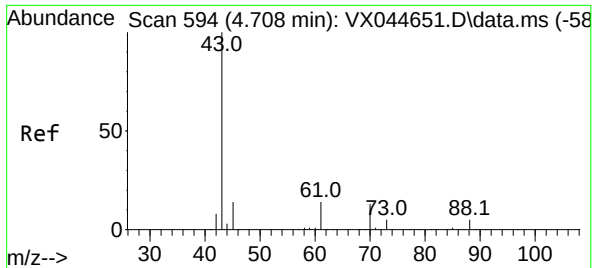
Tgt Ion:113 Resp: 110333
Ion Ratio Lower Upper
113 100
111 104.5 81.6 122.4
192 17.7 14.4 21.6



#36
1,1-Dichloropropene
Concen: 50.294 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 75 Resp: 143891
Ion Ratio Lower Upper
75 100
110 35.5 17.9 53.8
77 30.2 24.5 36.7





#37

Ethyl Acetate

Concen: 54.526 ug/l

RT: 4.702 min Scan# 594

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011525

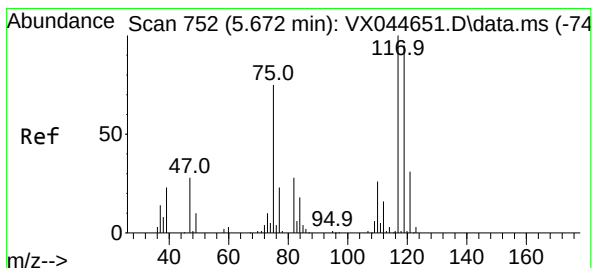
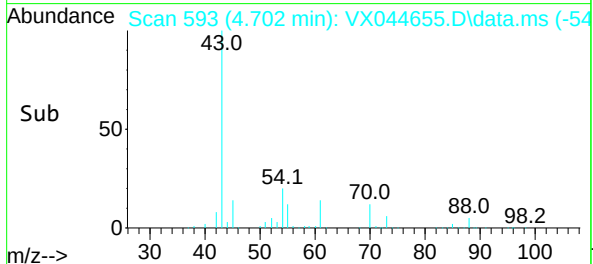
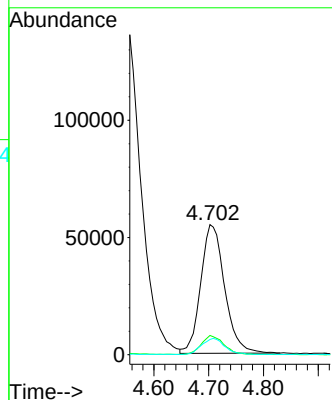
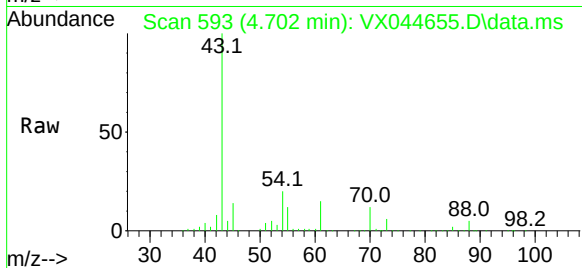
Tgt Ion: 43 Resp: 166128

Ion Ratio Lower Upper

43 100

61 13.7 10.9 16.3

70 12.2 10.1 15.1



#38

Carbon Tetrachloride

Concen: 50.287 ug/l

RT: 5.659 min Scan# 750

Delta R.T. -0.012 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

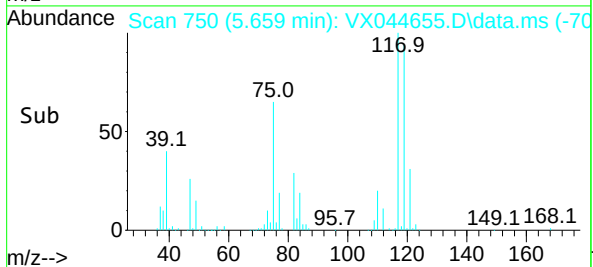
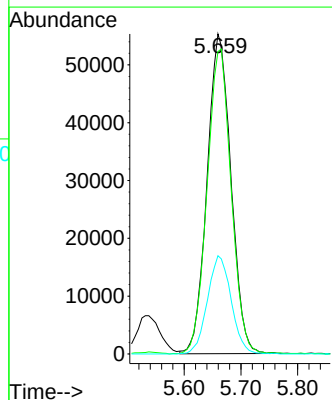
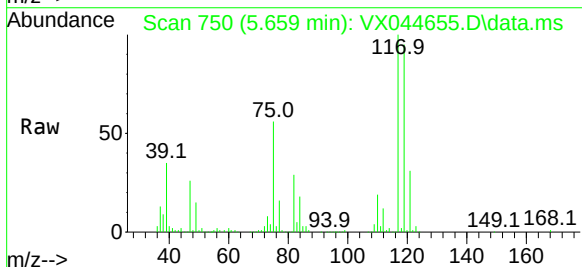
Tgt Ion: 117 Resp: 161829

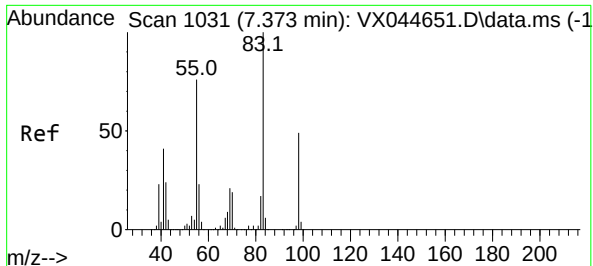
Ion Ratio Lower Upper

117 100

119 94.5 76.0 114.0

121 30.8 24.6 36.8

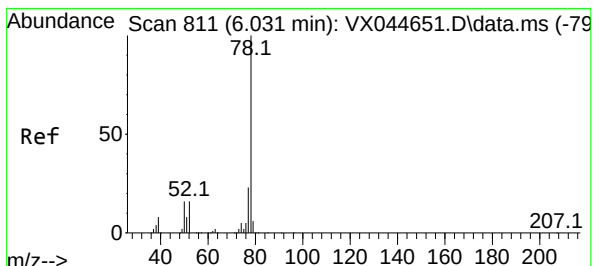
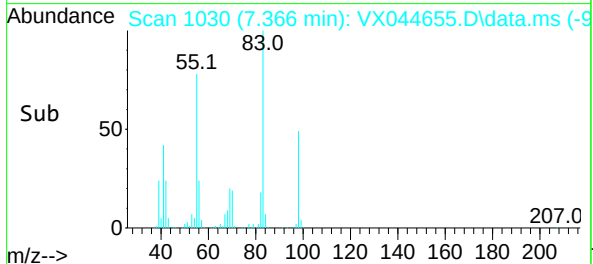
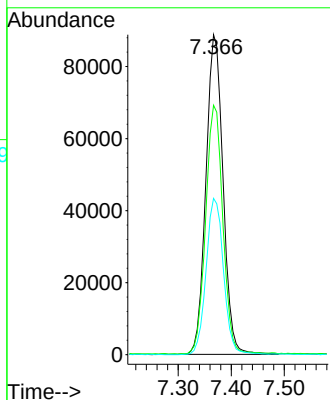
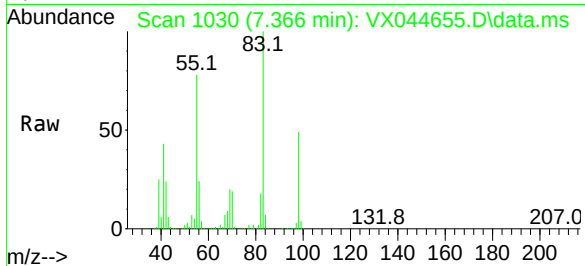




#39
Methylcyclohexane
Concen: 52.520 ug/l
RT: 7.366 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

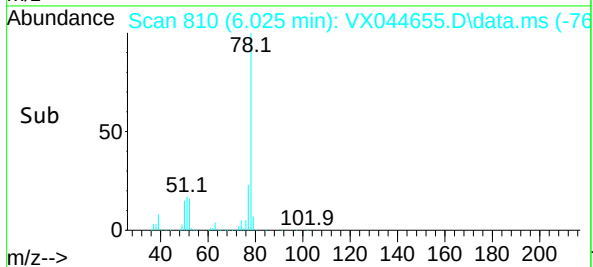
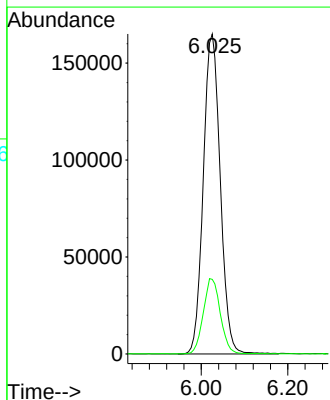
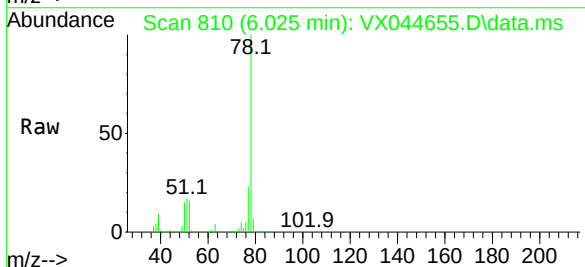
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

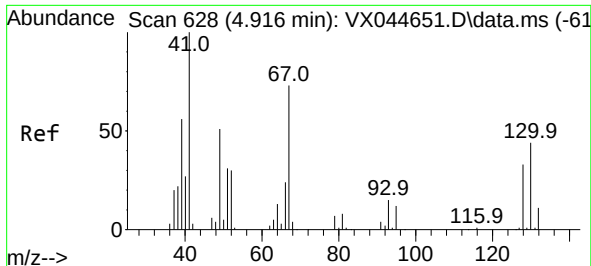
Tgt Ion: 83 Resp: 199470
Ion Ratio Lower Upper
83 100
55 77.8 60.5 90.7
98 48.9 39.0 58.4



#40
Benzene
Concen: 50.610 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 78 Resp: 448684
Ion Ratio Lower Upper
78 100
77 23.2 18.7 28.1

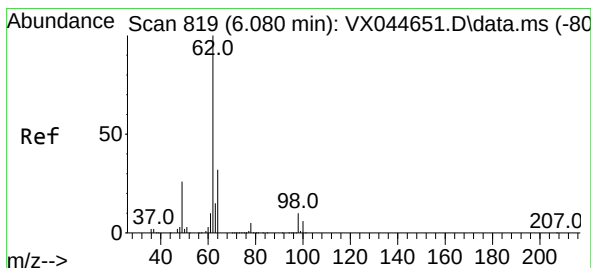
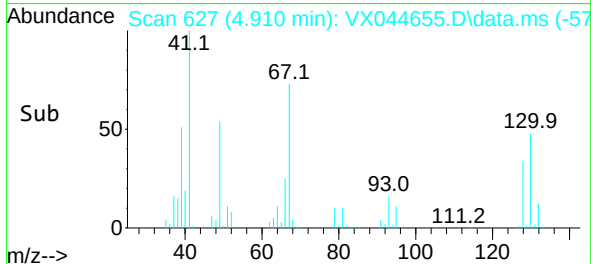
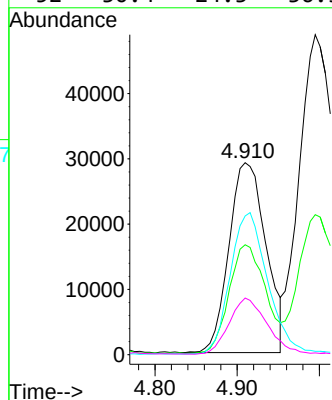
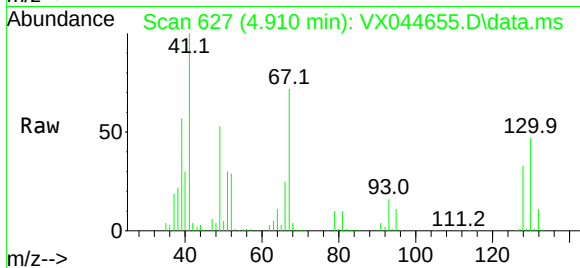




#41
Methacrylonitrile
Concen: 51.342 ug/l
RT: 4.910 min Scan# 611
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

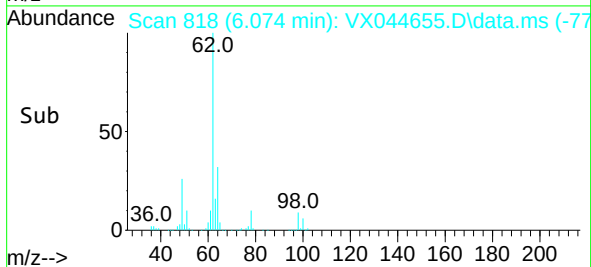
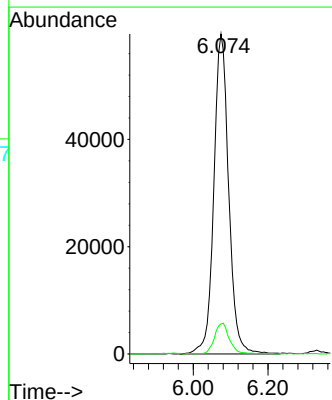
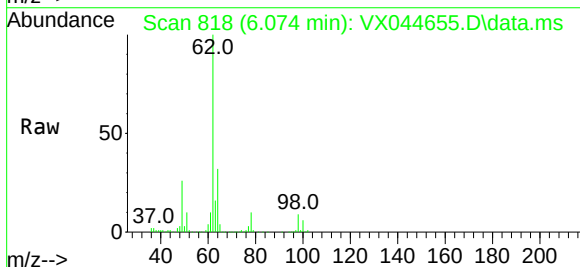
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

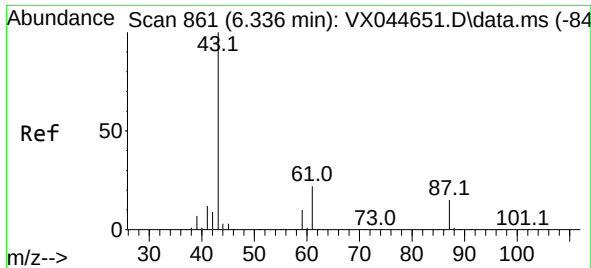
Tgt Ion:	41	Resp:	91151
Ion	Ratio	Lower	Upper
41	100		
39	56.2	44.4	66.6
67	75.5	60.6	90.8
52	30.4	24.3	36.5



#42
1,2-Dichloroethane
Concen: 50.902 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:	62	Resp:	164707
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4

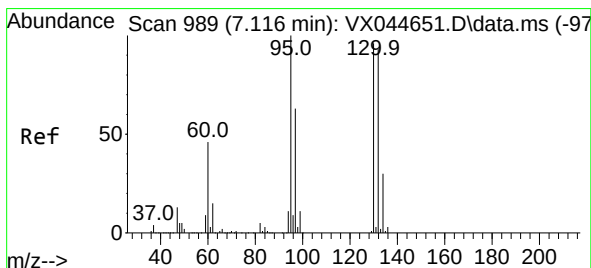
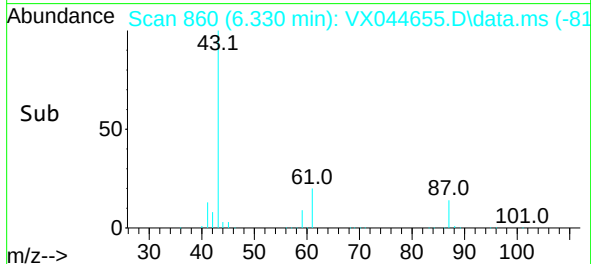
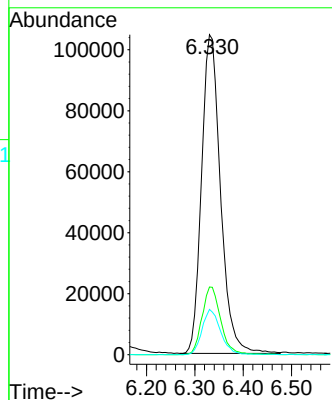
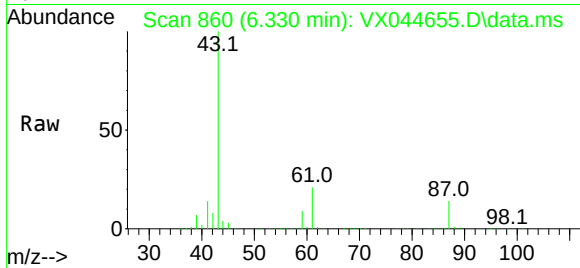




#43
Isopropyl Acetate
Concen: 50.871 ug/l
RT: 6.330 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

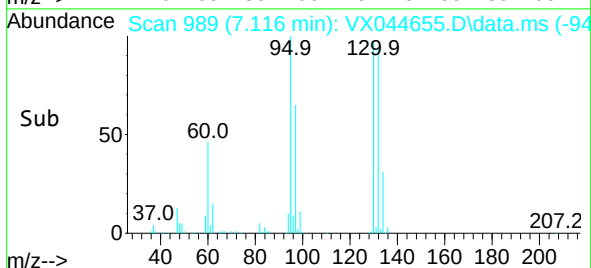
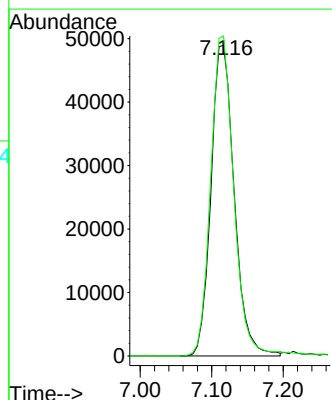
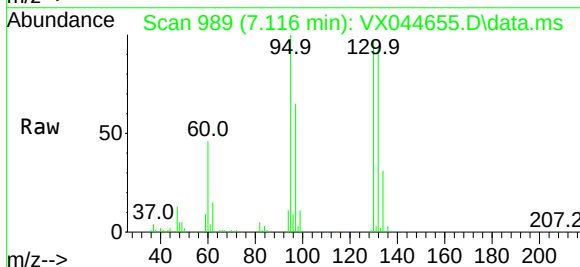
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

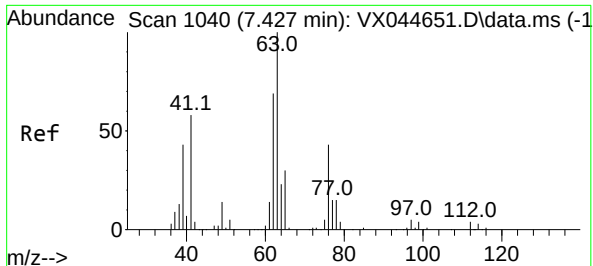
Tgt Ion: 43 Resp: 285121
Ion Ratio Lower Upper
43 100
61 20.9 16.6 24.8
87 13.8 11.0 16.6



#44
Trichloroethene
Concen: 51.887 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:130 Resp: 110588
Ion Ratio Lower Upper
130 100
95 103.0 0.0 208.2





#45

1,2-Dichloropropane

Concen: 51.011 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

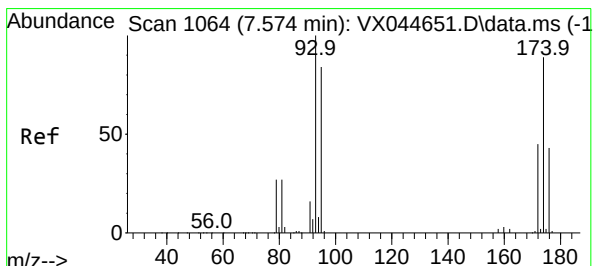
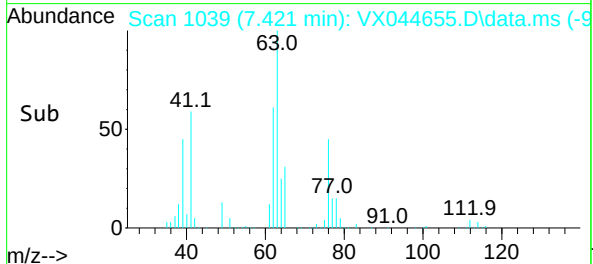
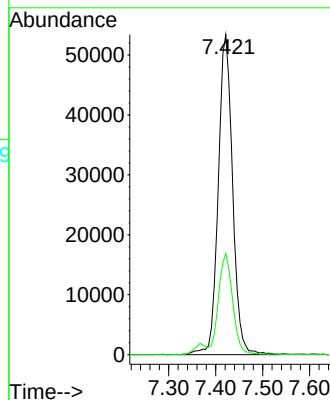
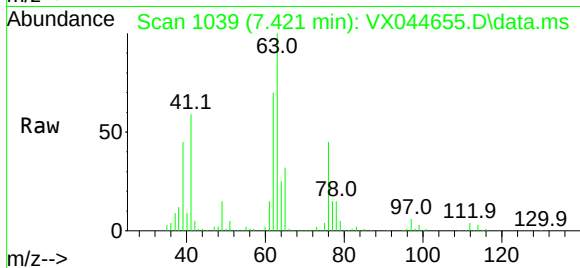
ICVVX011525

Tgt Ion: 63 Resp: 113836

Ion Ratio Lower Upper

63 100

65 31.6 24.2 36.2



#46

Dibromomethane

Concen: 49.939 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

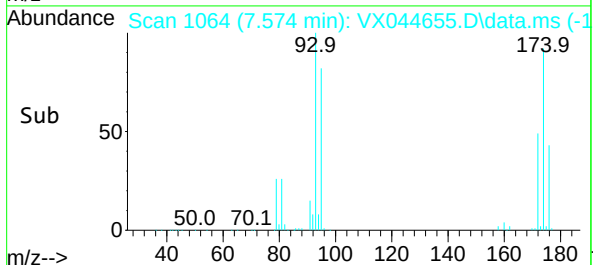
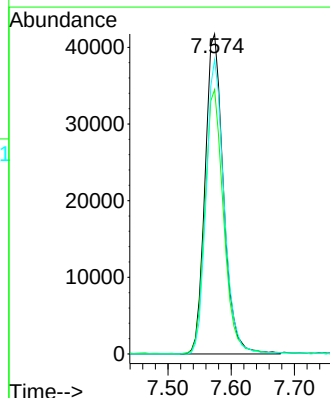
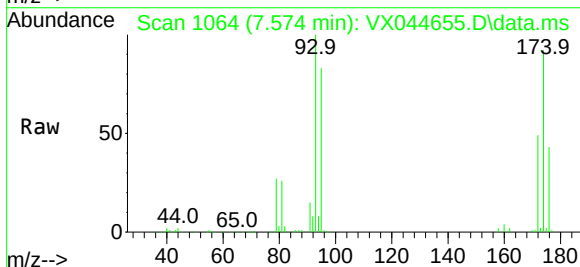
Tgt Ion: 93 Resp: 84838

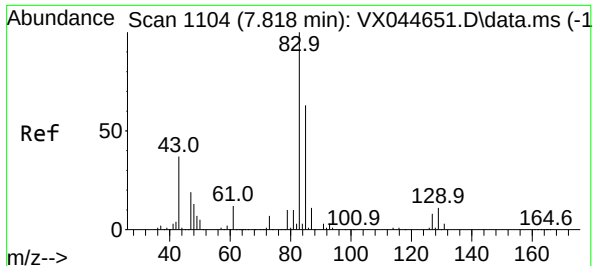
Ion Ratio Lower Upper

93 100

95 83.4 66.4 99.6

174 90.0 72.0 108.0

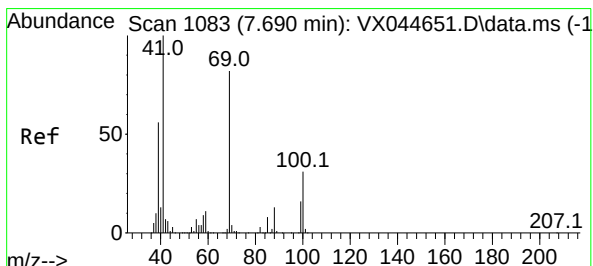
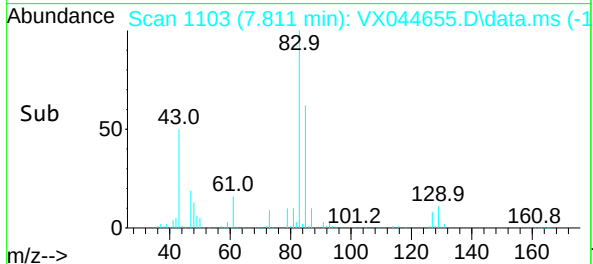
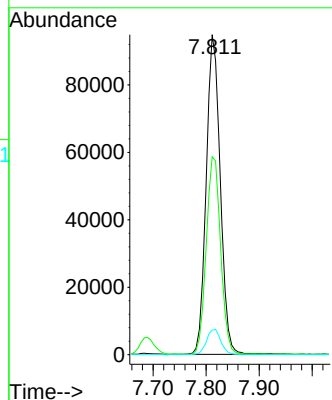
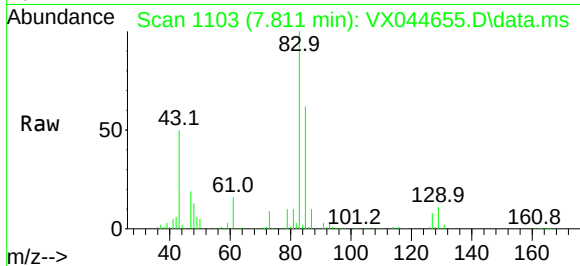




#47
Bromodichloromethane
Concen: 50.029 ug/l
RT: 7.811 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

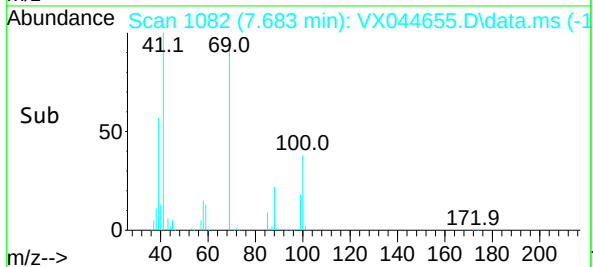
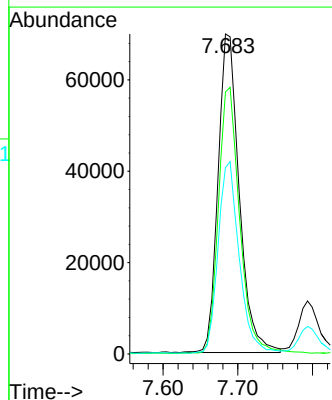
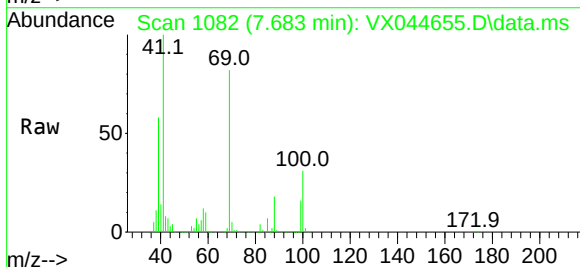
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

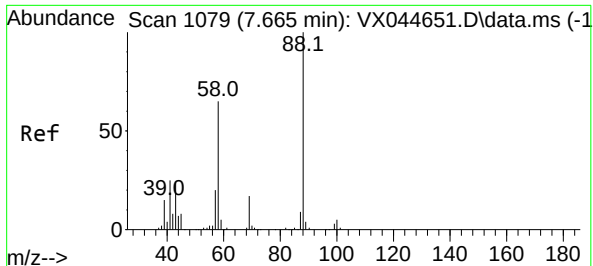
Tgt Ion: 83 Resp: 174297
Ion Ratio Lower Upper
83 100
85 61.7 50.1 75.1
127 7.7 6.5 9.7



#48
Methyl methacrylate
Concen: 52.890 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 41 Resp: 137603
Ion Ratio Lower Upper
41 100
69 84.2 66.8 100.2
39 59.6 47.4 71.0





#49

1,4-Dioxane

Concen: 992.095 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011525

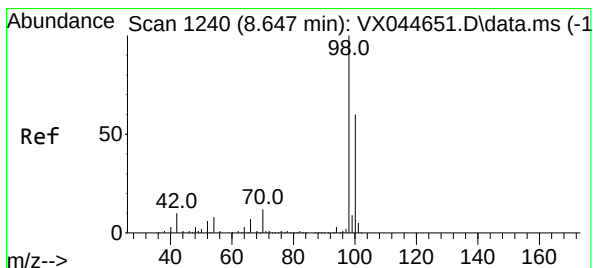
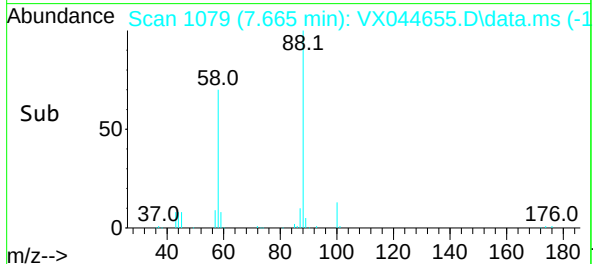
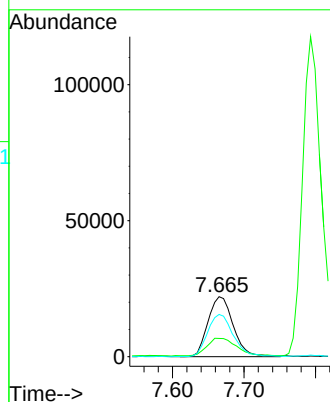
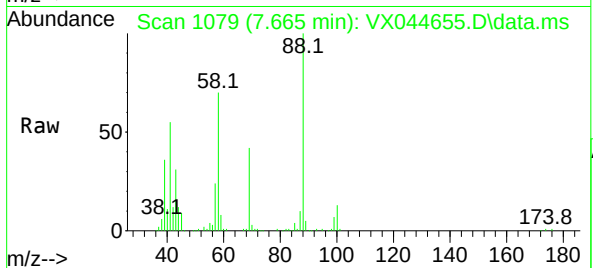
Tgt Ion: 88 Resp: 53851

Ion Ratio Lower Upper

88 100

43 35.2 27.0 40.4

58 72.4 55.8 83.8



#50

Toluene-d8

Concen: 53.113 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX044655.D

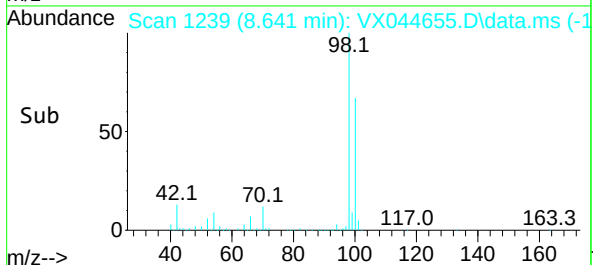
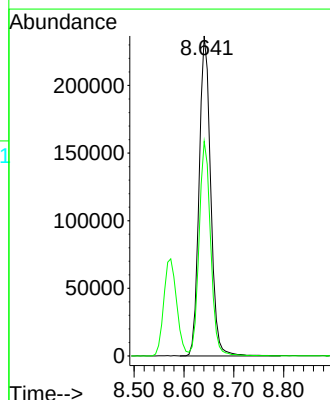
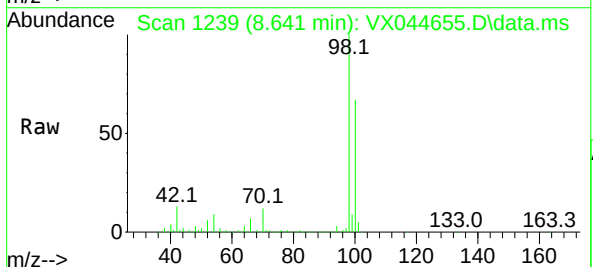
Acq: 15 Jan 2025 15:15

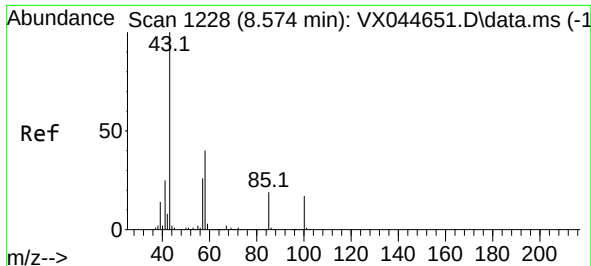
Tgt Ion: 98 Resp: 380624

Ion Ratio Lower Upper

98 100

100 66.9 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 251.778 ug/l

RT: 8.567 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

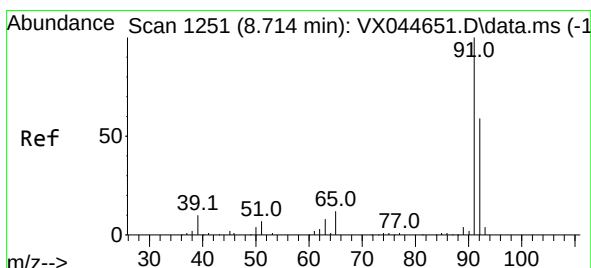
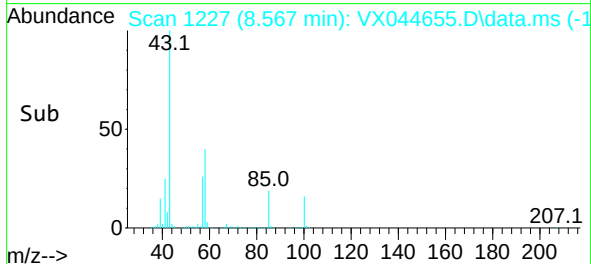
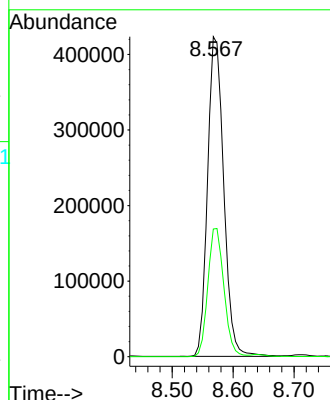
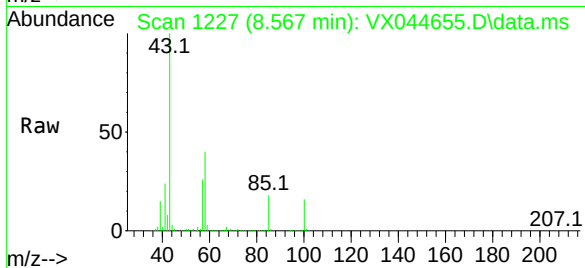
ICVVX011525

Tgt Ion: 43 Resp: 779855

Ion Ratio Lower Upper

43 100

58 39.9 31.9 47.9



#52

Toluene

Concen: 49.955 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044655.D

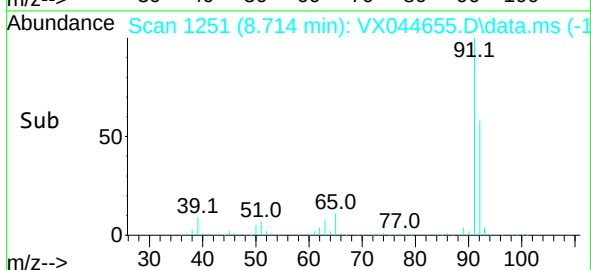
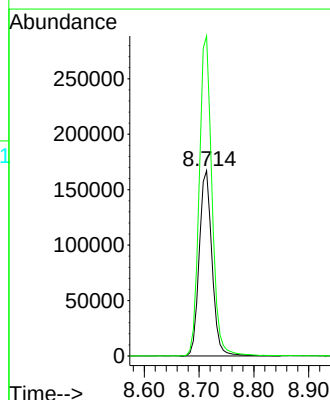
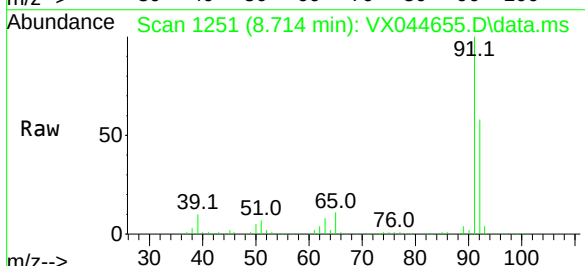
Acq: 15 Jan 2025 15:15

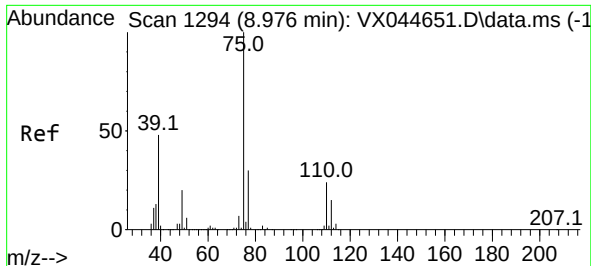
Tgt Ion: 92 Resp: 271071

Ion Ratio Lower Upper

92 100

91 172.7 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 51.300 ug/l

RT: 8.970 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

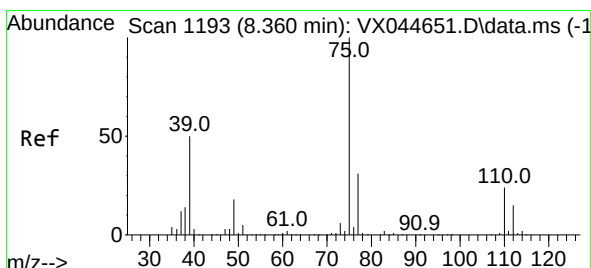
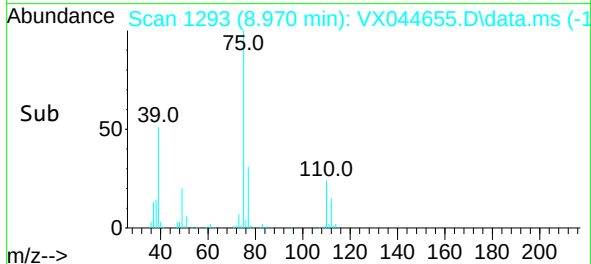
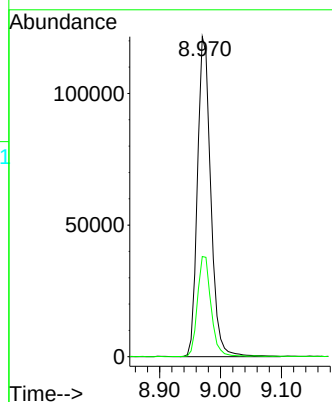
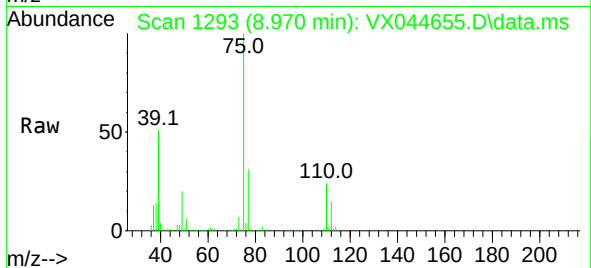
ICVVX011525

Tgt Ion: 75 Resp: 184653

Ion Ratio Lower Upper

75 100

77 31.3 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 51.049 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

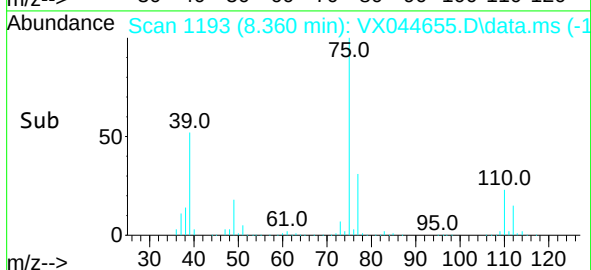
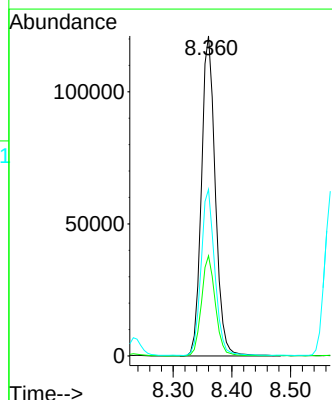
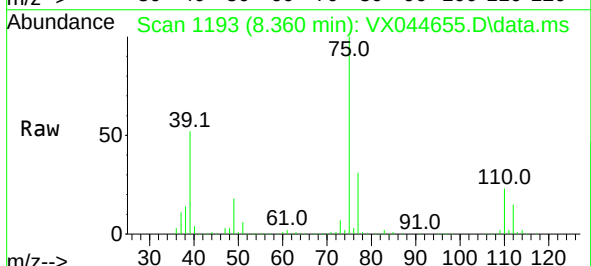
Tgt Ion: 75 Resp: 199240

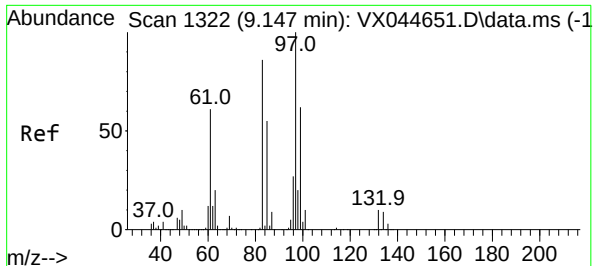
Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

39 51.9 40.3 60.5



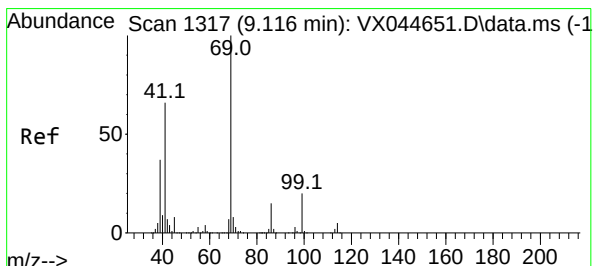
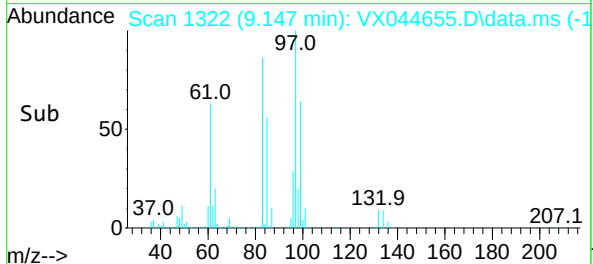
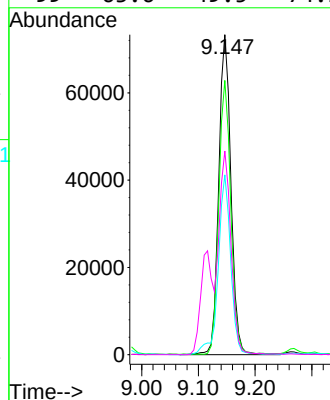
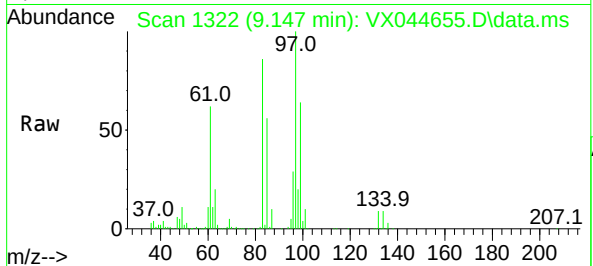


#55
1,1,2-Trichloroethane
Concen: 50.085 ug/l
RT: 9.147 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 97 Resp: 109957

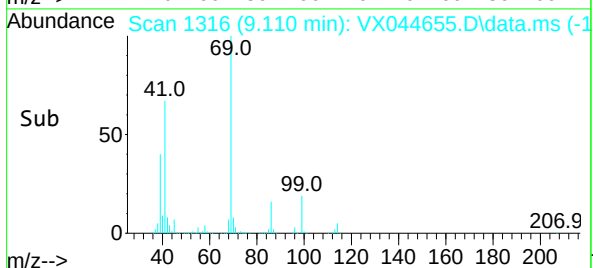
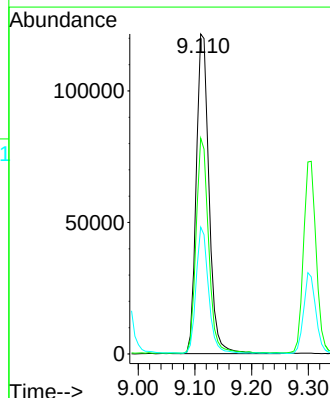
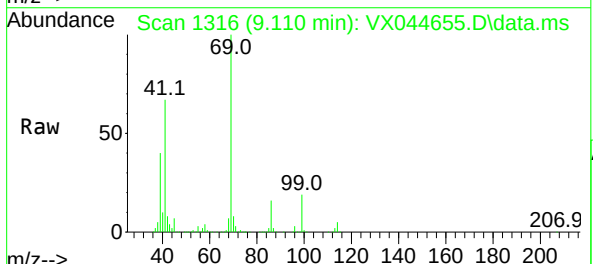
Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.8	103.2
85	56.2	43.7	65.5
99	63.6	49.5	74.3

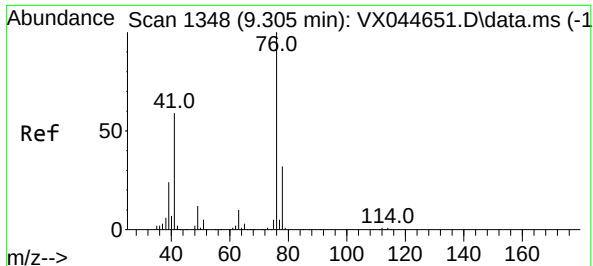


#56
Ethyl methacrylate
Concen: 50.595 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 69 Resp: 190986

Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.2	79.8
39	38.4	30.2	45.2

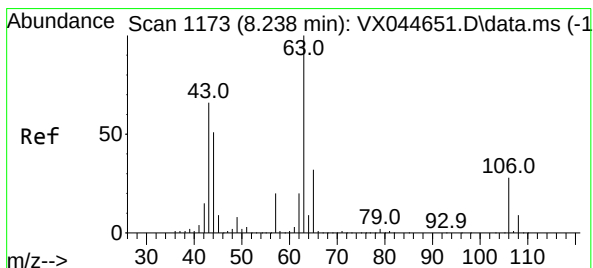
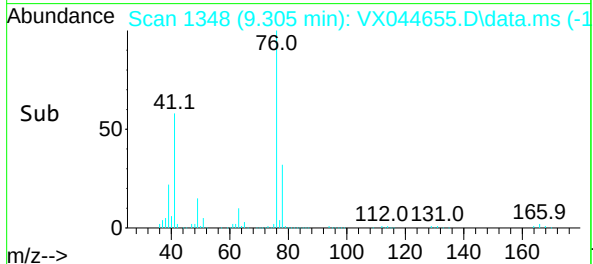
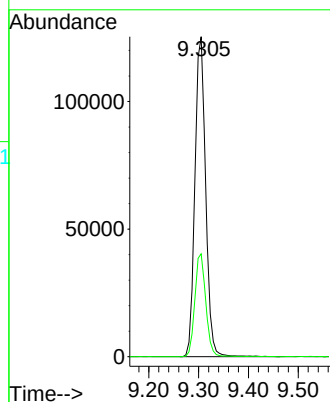
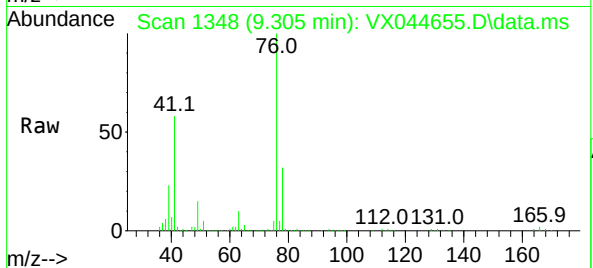




#57
1,3-Dichloropropane
Concen: 50.129 ug/l
RT: 9.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

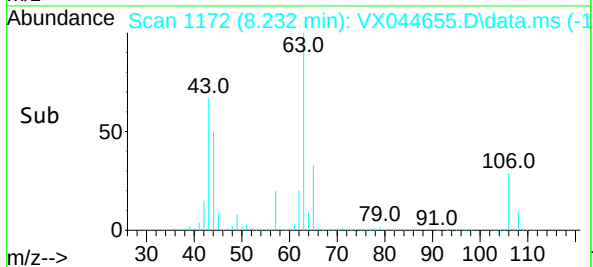
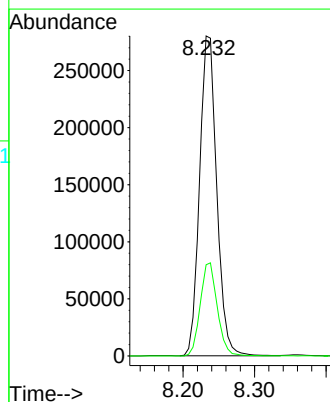
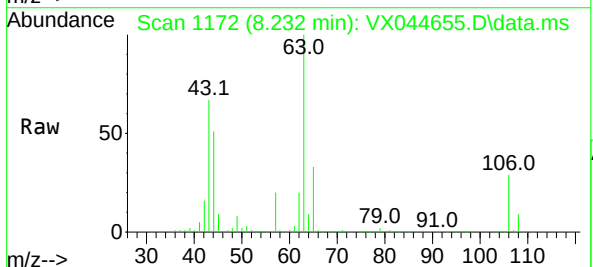
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

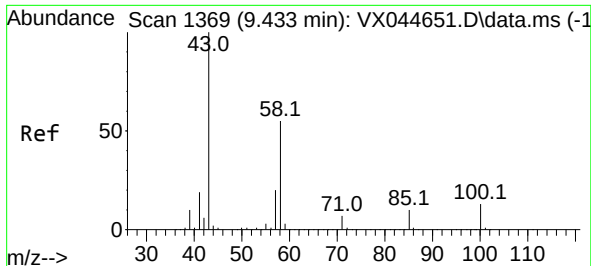
Tgt Ion: 76 Resp: 187407
Ion Ratio Lower Upper
76 100
78 32.9 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 251.852 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 63 Resp: 466737
Ion Ratio Lower Upper
63 100
106 28.9 23.0 34.6

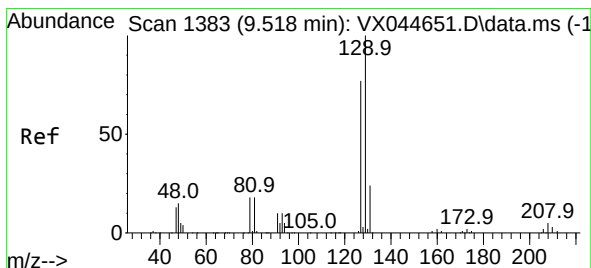
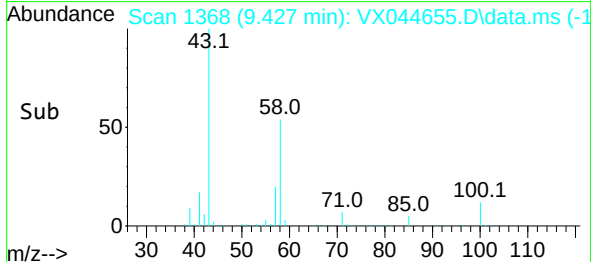
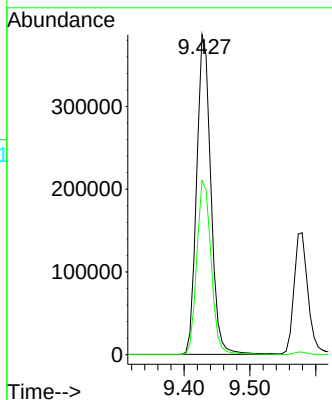
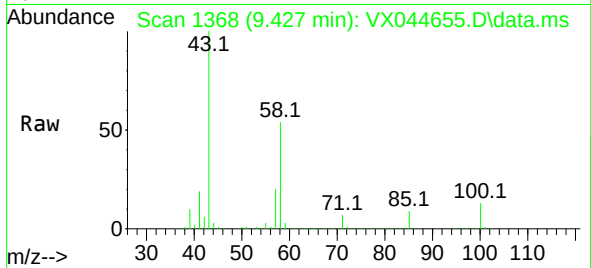




#59
2-Hexanone
Concen: 253.010 ug/l
RT: 9.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

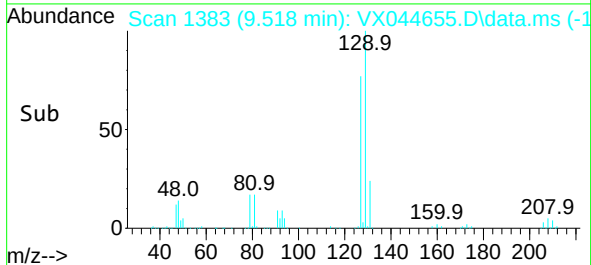
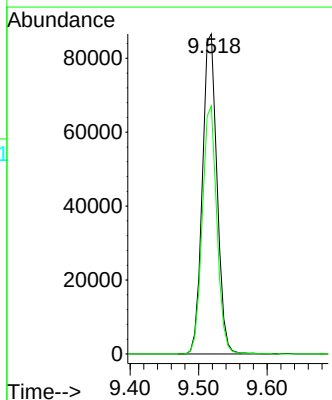
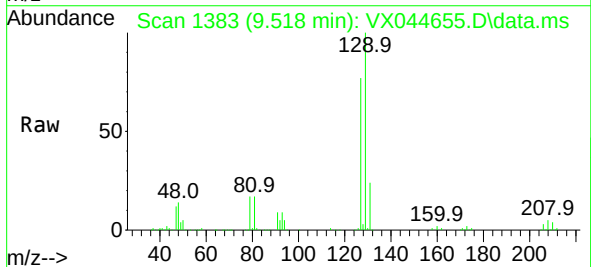
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

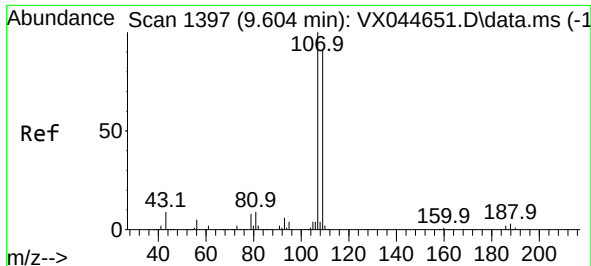
Tgt Ion: 43 Resp: 576549
Ion Ratio Lower Upper
43 100
58 55.4 27.8 83.3



#60
Dibromochloromethane
Concen: 49.957 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 129 Resp: 128727
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5

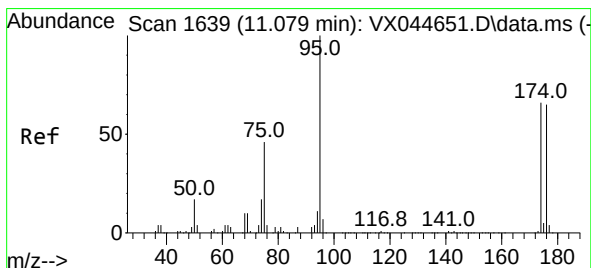
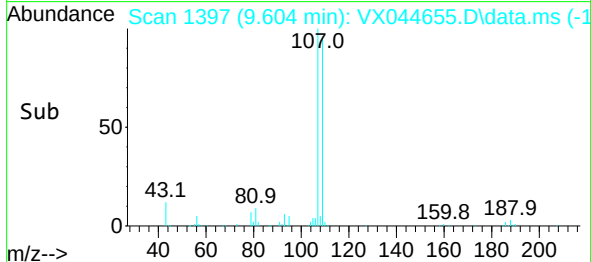
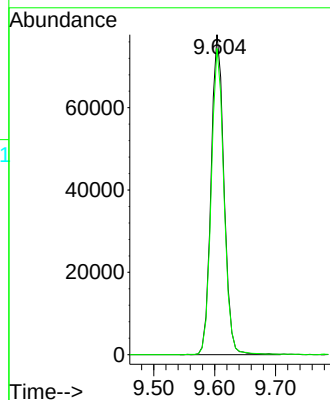
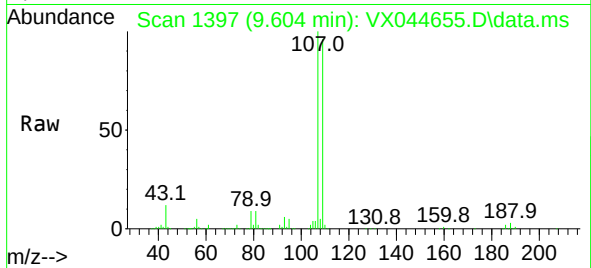




#61
1,2-Dibromoethane
Concen: 49.693 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

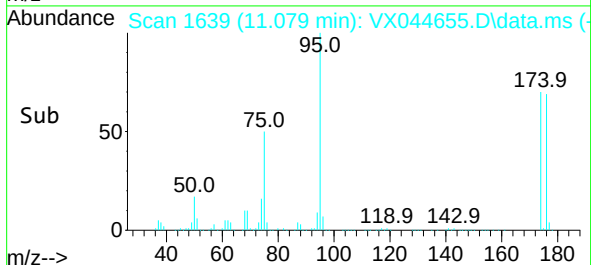
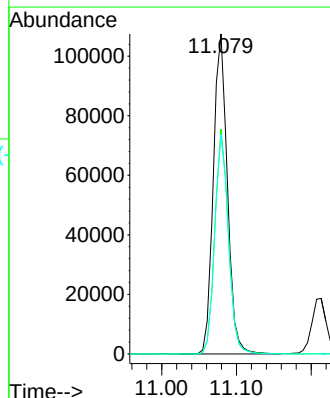
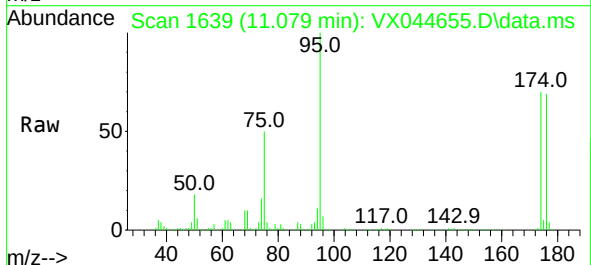
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

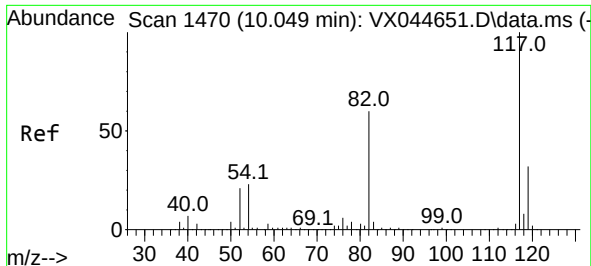
Tgt Ion:107 Resp: 114330
Ion Ratio Lower Upper
107 100
109 94.5 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 52.693 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 95 Resp: 140770
Ion Ratio Lower Upper
95 100
174 67.6 0.0 133.0
176 67.1 0.0 129.4

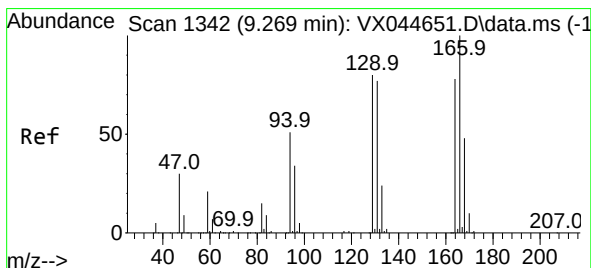
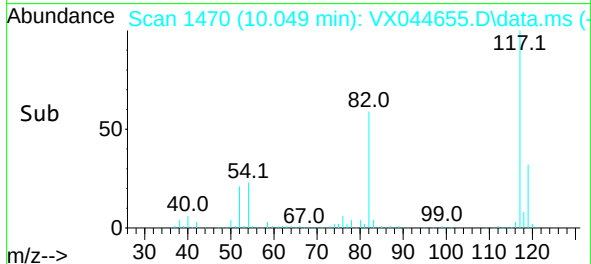
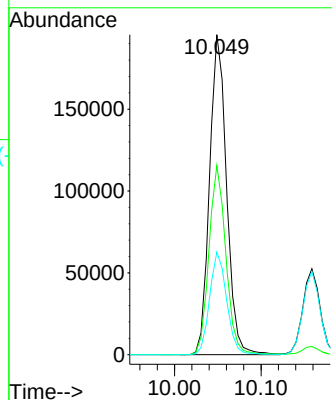
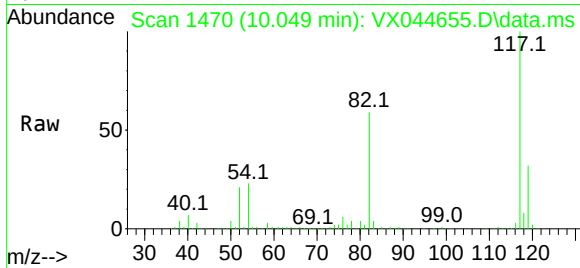




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

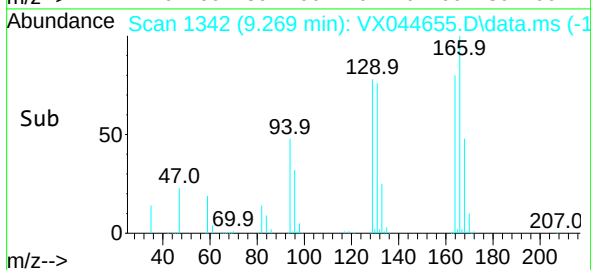
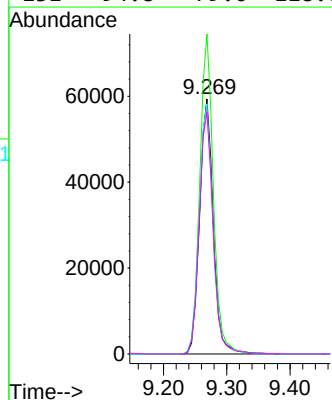
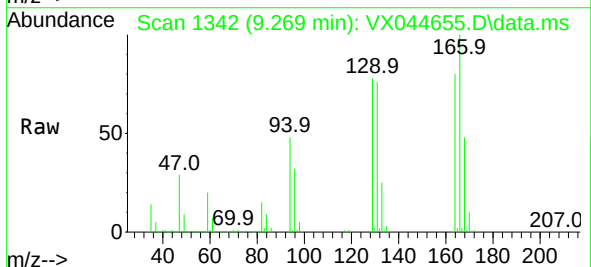
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

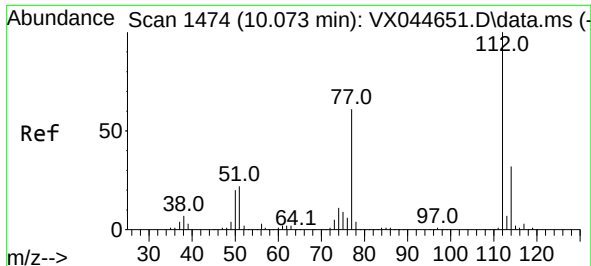
Tgt Ion:117 Resp: 266872
Ion Ratio Lower Upper
117 100
82 59.1 47.6 71.4
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 53.384 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:164 Resp: 89460
Ion Ratio Lower Upper
164 100
166 125.5 102.0 153.0
129 98.0 81.1 121.7
131 94.8 79.0 118.6

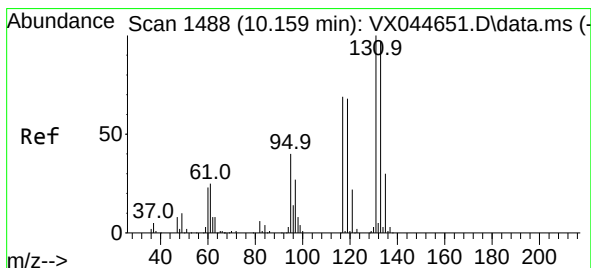
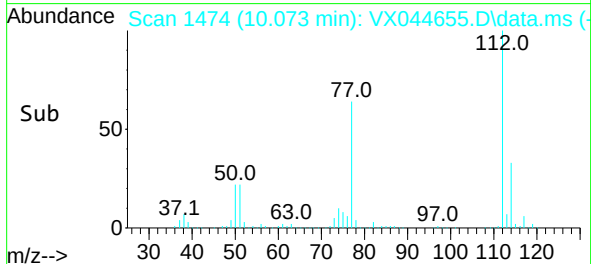
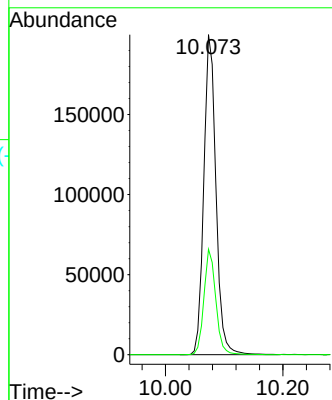
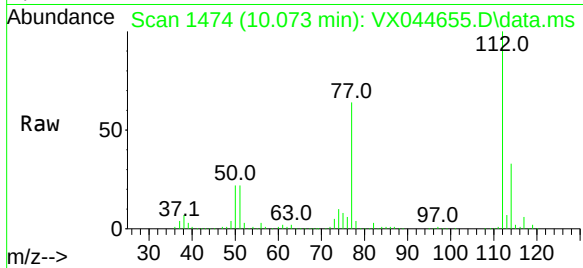




#65
Chlorobenzene
Concen: 50.667 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

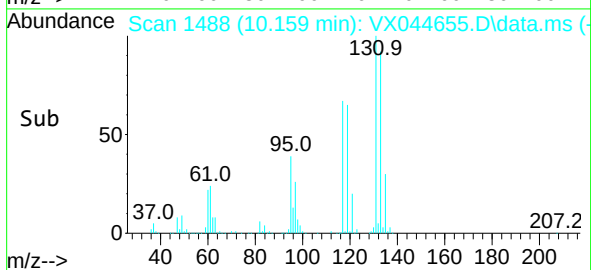
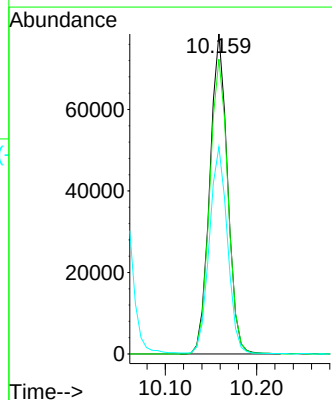
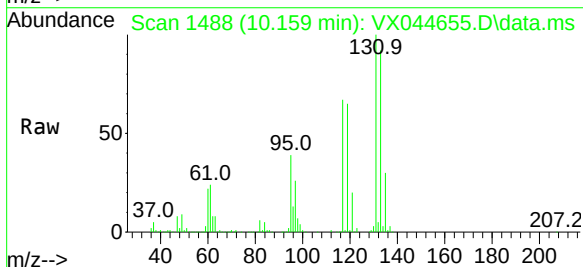
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

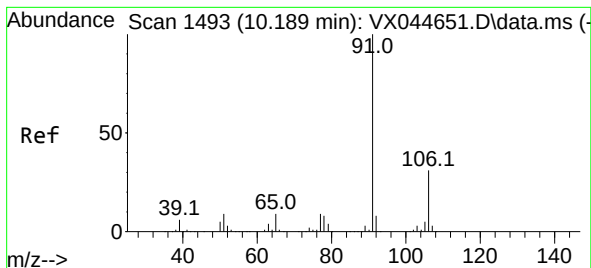
Tgt Ion:112 Resp: 287202
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.129 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:131 Resp: 105329
Ion Ratio Lower Upper
131 100
133 94.8 47.8 143.3
119 66.5 33.4 100.2





#67

Ethyl Benzene

Concen: 51.721 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

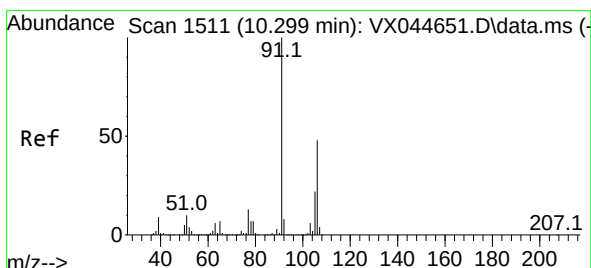
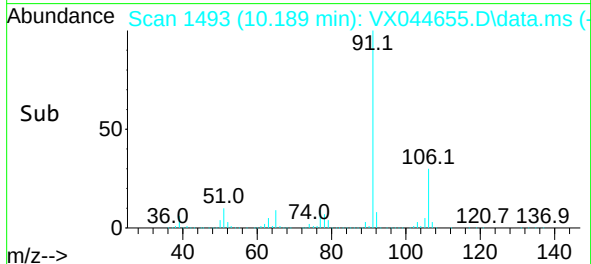
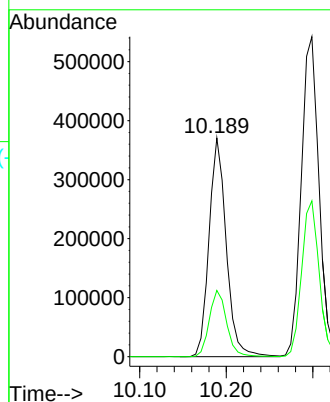
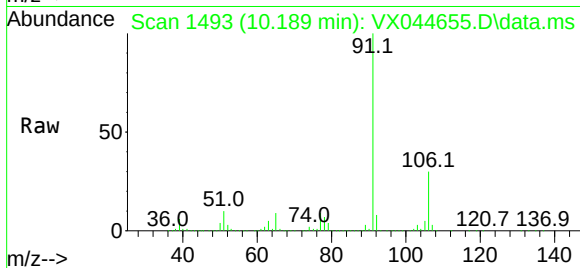
ICVVX011525

Tgt Ion: 91 Resp: 511560

Ion Ratio Lower Upper

91 100

106 30.3 25.0 37.6



#68

m/p-Xylenes

Concen: 102.645 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044655.D

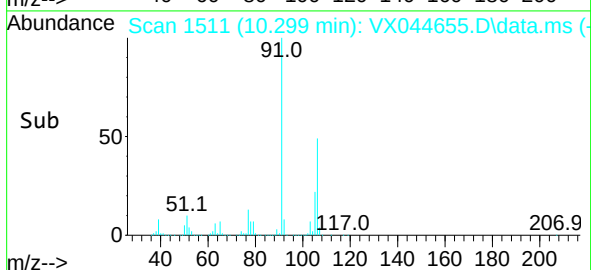
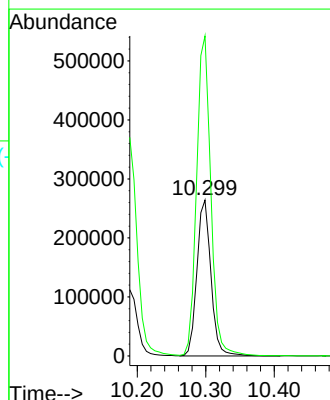
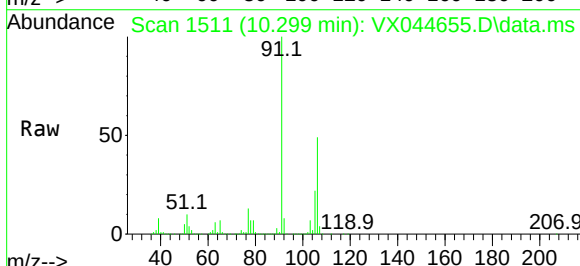
Acq: 15 Jan 2025 15:15

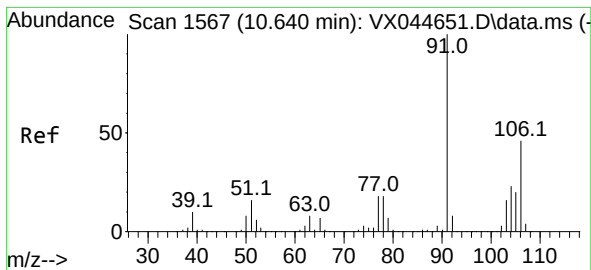
Tgt Ion:106 Resp: 376743

Ion Ratio Lower Upper

106 100

91 207.7 166.4 249.6





#69

o-Xylene

Concen: 50.378 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

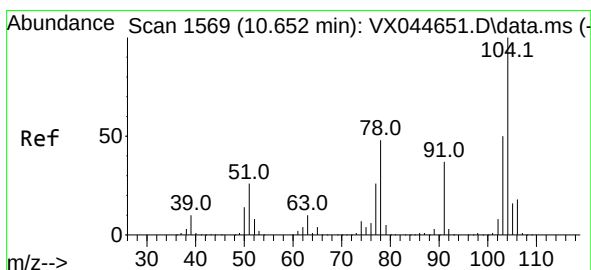
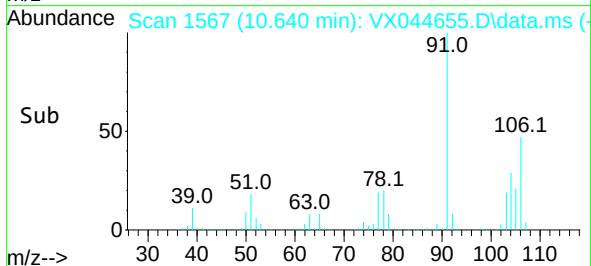
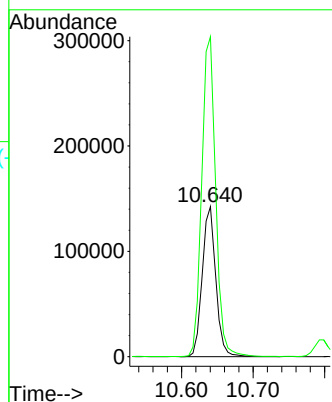
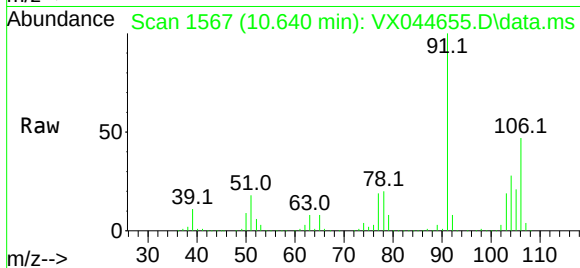
ICVVX011525

Tgt Ion:106 Resp: 186995

Ion Ratio Lower Upper

106 100

91 219.3 108.7 326.3



#70

Styrene

Concen: 51.398 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

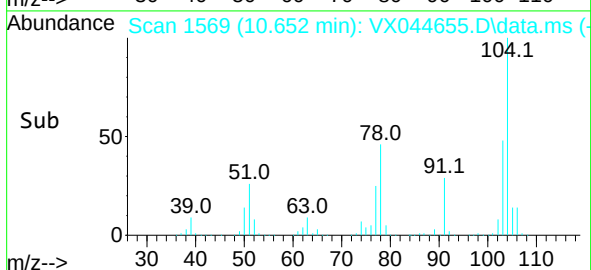
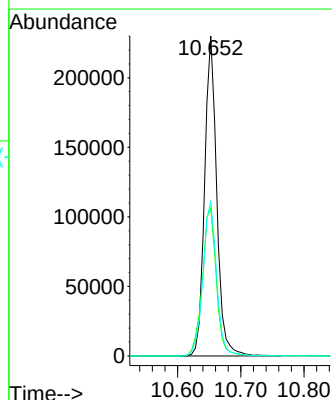
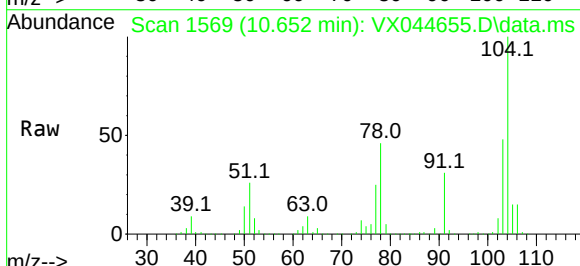
Tgt Ion:104 Resp: 308018

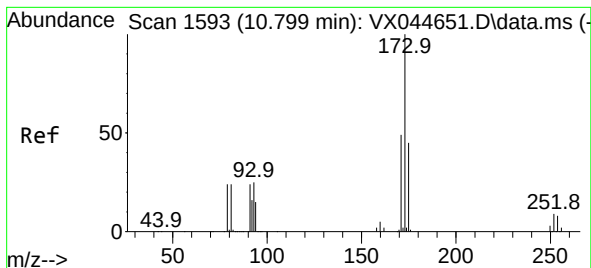
Ion Ratio Lower Upper

104 100

78 53.4 43.0 64.6

103 54.4 43.4 65.2





#71

Bromoform

Concen: 51.597 ug/l

RT: 10.799 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011525

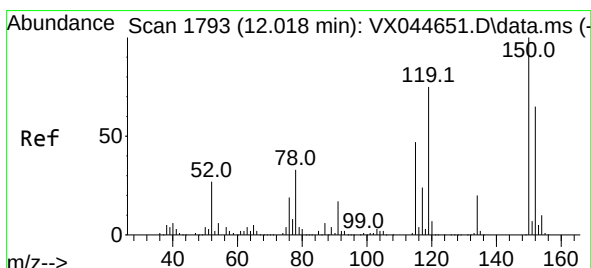
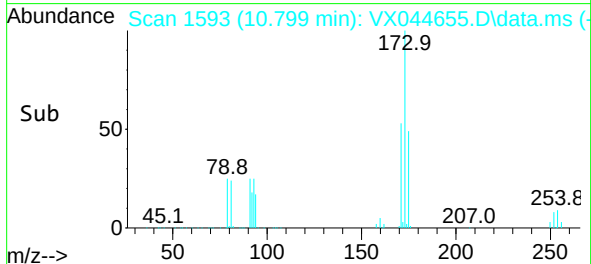
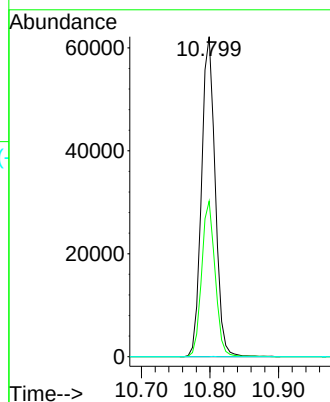
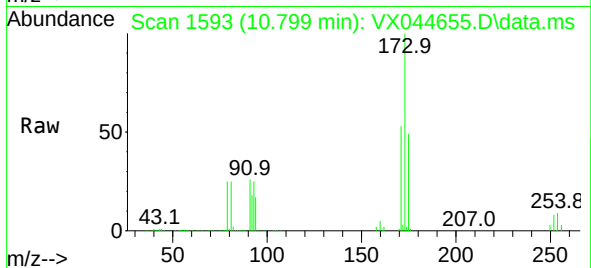
Tgt Ion:173 Resp: 86512

Ion Ratio Lower Upper

173 100

175 47.9 23.6 70.8

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

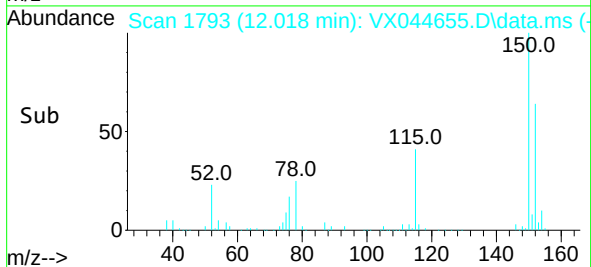
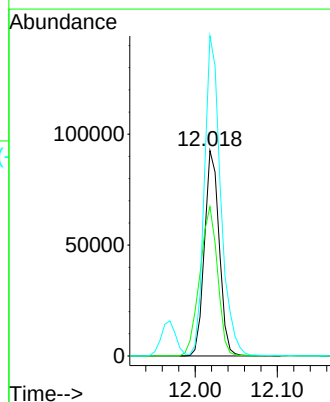
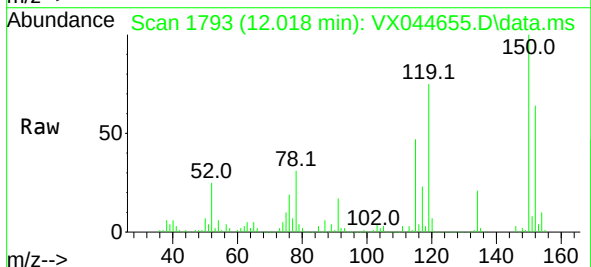
Tgt Ion:152 Resp: 115489

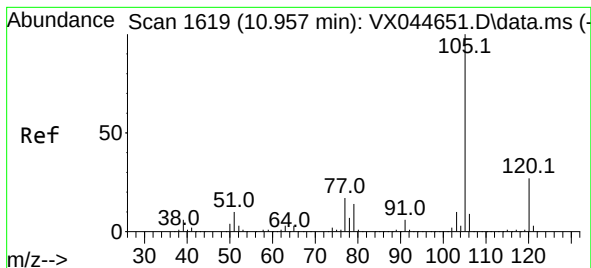
Ion Ratio Lower Upper

152 100

115 87.0 43.8 131.4

150 171.8 0.0 347.8





#73

Isopropylbenzene

Concen: 50.246 ug/l

RT: 10.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

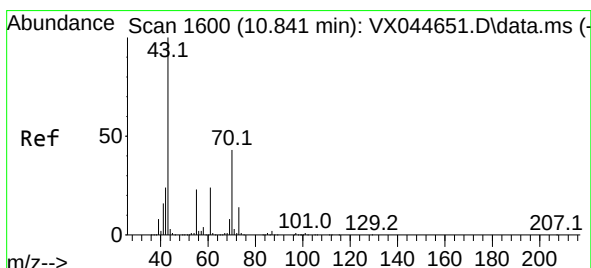
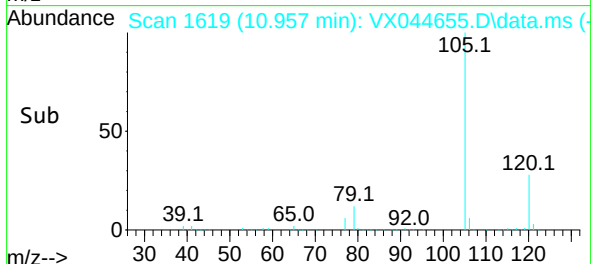
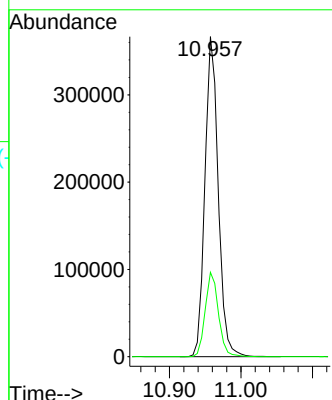
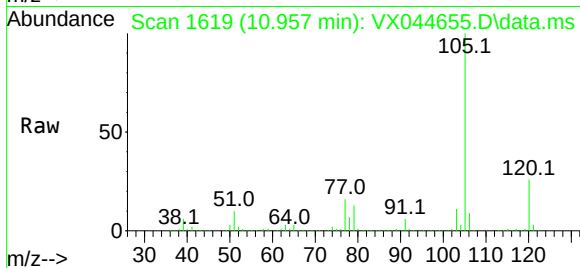
ICVX011525

Tgt Ion:105 Resp: 474051

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6



#74

N-ethyl acetate

Concen: 50.177 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Tgt Ion: 43 Resp: 233338

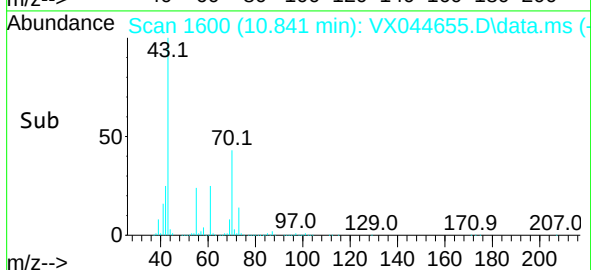
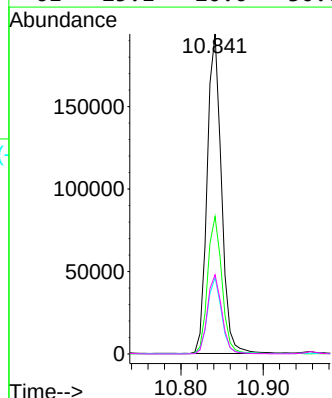
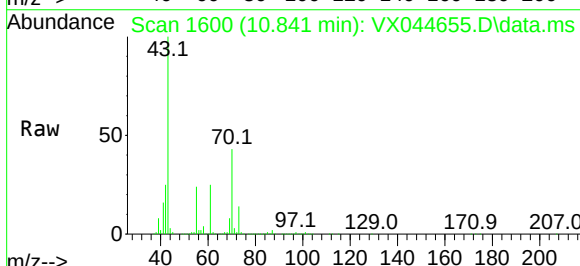
Ion Ratio Lower Upper

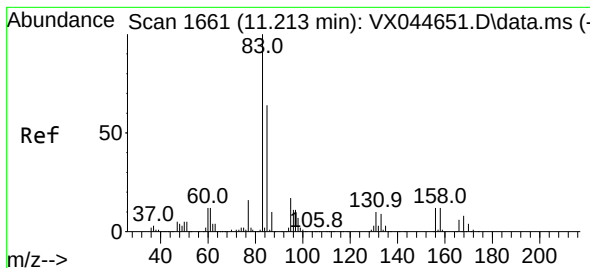
43 100

70 43.2 35.2 52.8

55 23.6 19.0 28.4

61 25.1 20.0 30.0

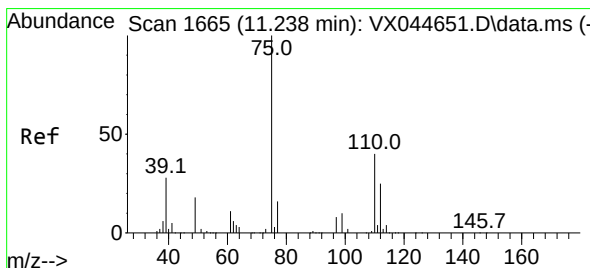
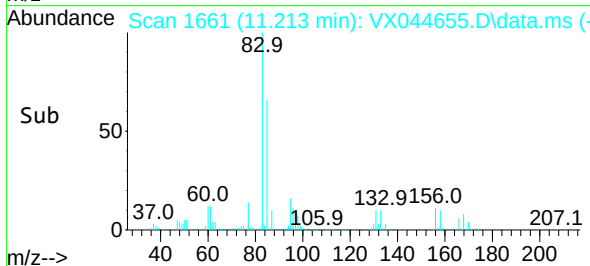
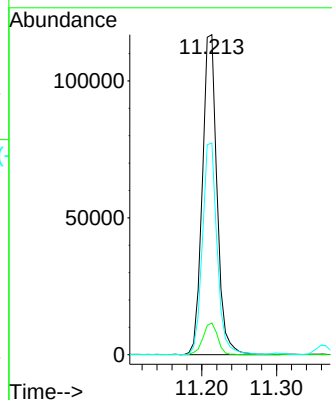
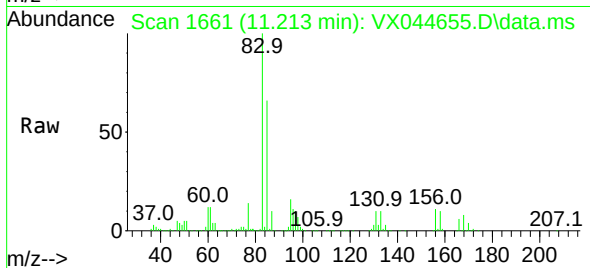




#75
 1,1,2-Tetrachloroethane
 Concen: 49.002 ug/l
 RT: 11.213 min Scan# 1661
 Delta R.T. 0.000 min
 Lab File: VX044655.D
 Acq: 15 Jan 2025 15:15

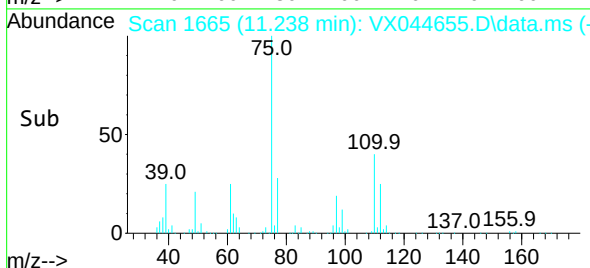
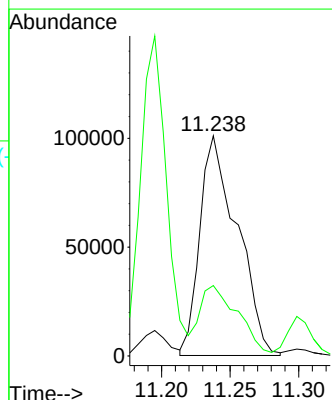
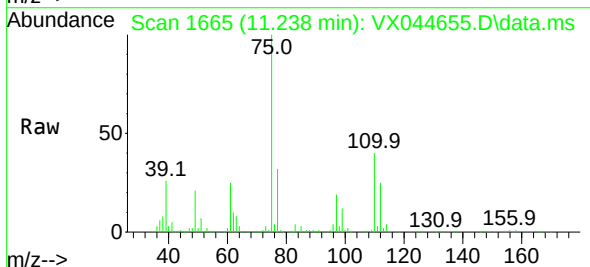
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011525

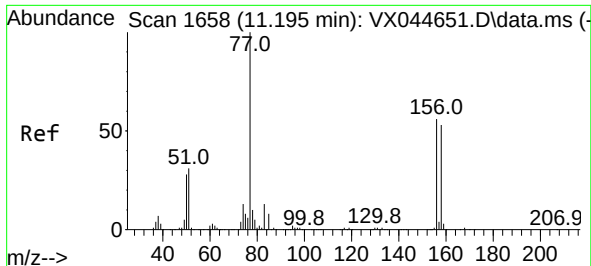
Tgt Ion: 83 Resp: 159673
 Ion Ratio Lower Upper
 83 100
 131 9.9 5.0 14.9
 85 66.2 32.0 96.2



#76
 1,2,3-Trichloropropane
 Concen: 68.320 ug/l
 RT: 11.238 min Scan# 1665
 Delta R.T. 0.000 min
 Lab File: VX044655.D
 Acq: 15 Jan 2025 15:15

Tgt Ion: 75 Resp: 191485
 Ion Ratio Lower Upper
 75 100
 77 32.8 23.4 70.2

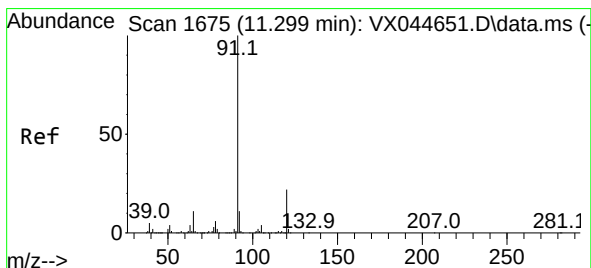
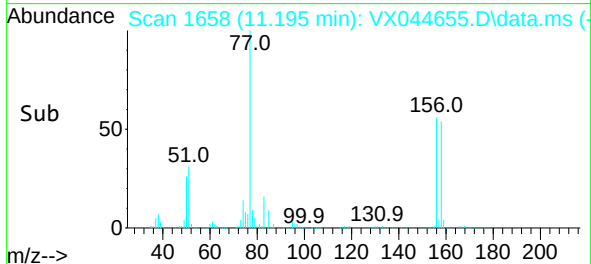
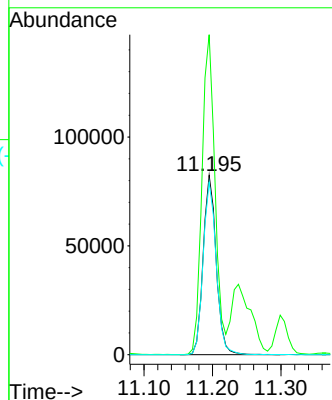
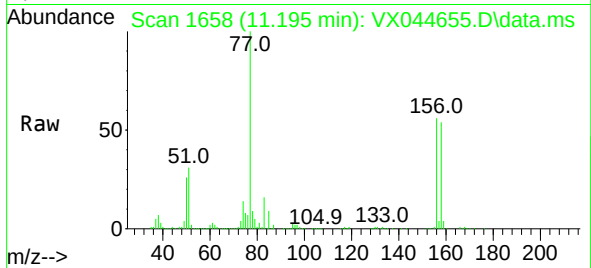




#77
Bromobenzene
Concen: 49.506 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

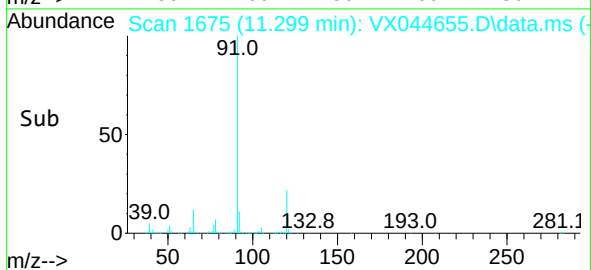
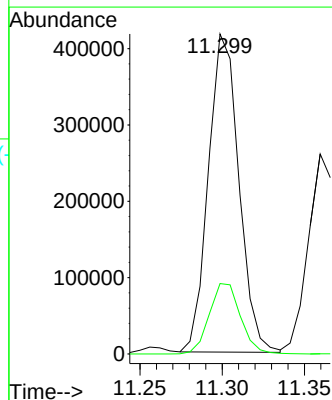
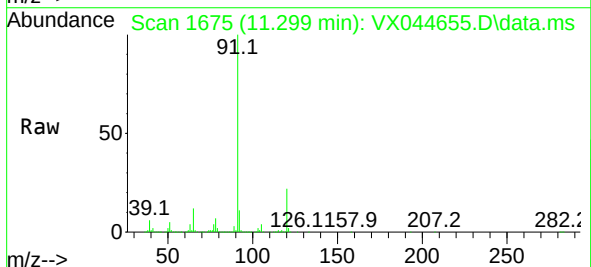
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

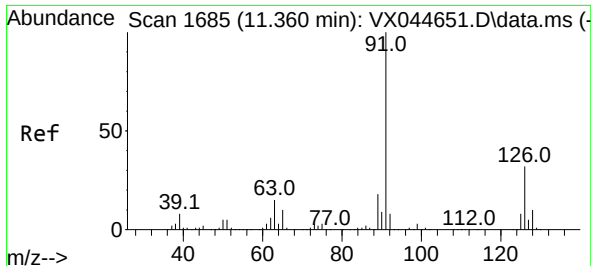
Tgt Ion:156 Resp: 109171
Ion Ratio Lower Upper
156 100
77 178.2 90.3 271.0
158 97.0 48.4 145.3



#78
n-propylbenzene
Concen: 51.712 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 91 Resp: 538048
Ion Ratio Lower Upper
91 100
120 22.7 11.4 34.1

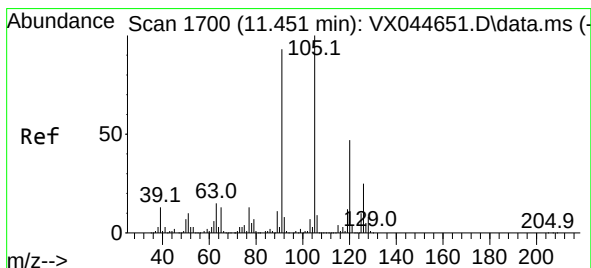
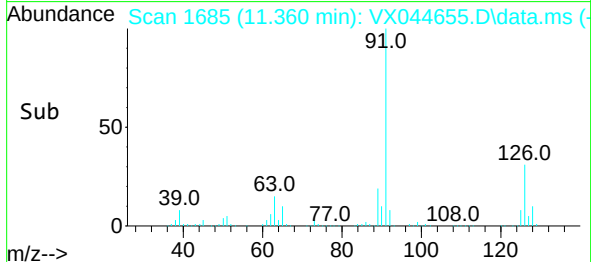
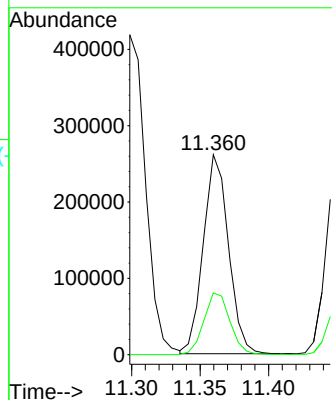
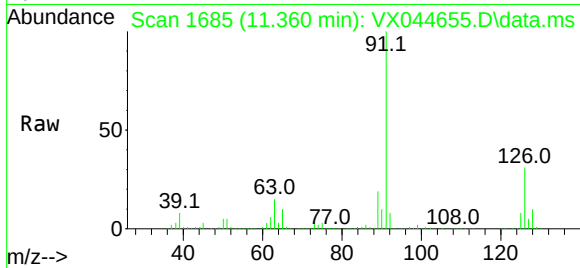




#79
2-Chlorotoluene
Concen: 49.678 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

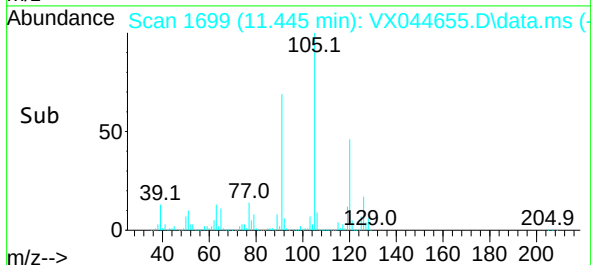
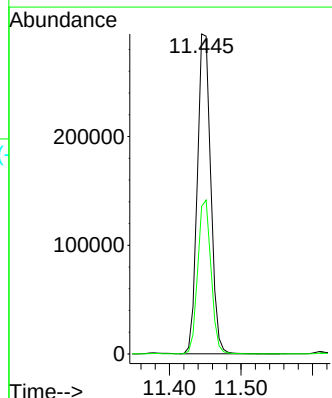
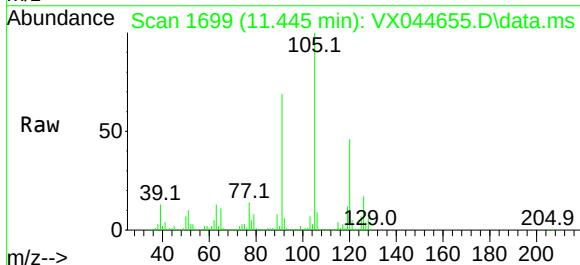
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

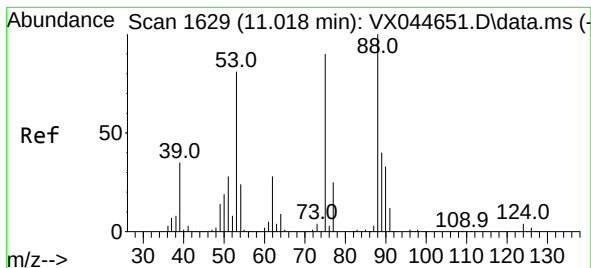
Tgt Ion: 91 Resp: 333891
Ion Ratio Lower Upper
91 100
126 32.3 16.2 48.5



#80
1,3,5-Trimethylbenzene
Concen: 49.852 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 105 Resp: 382880
Ion Ratio Lower Upper
105 100
120 47.6 23.7 71.1

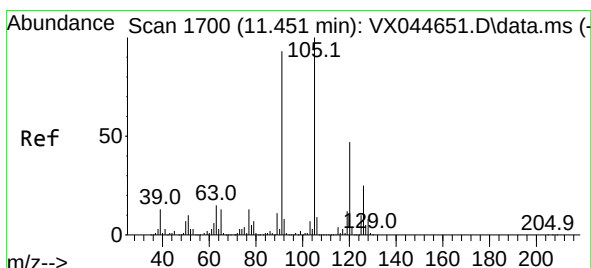
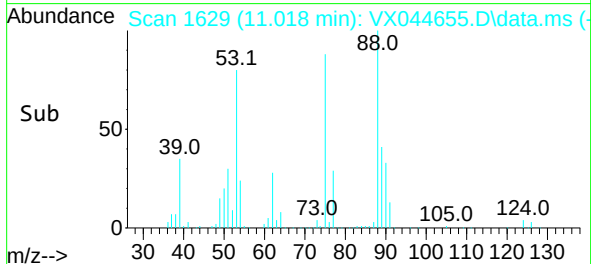
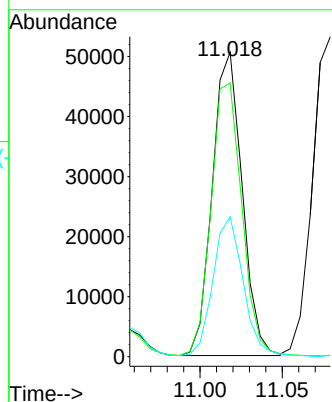
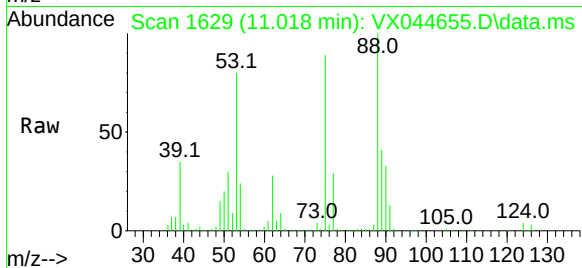




#81
trans-1,4-Dichloro-2-butene
Concen: 51.981 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

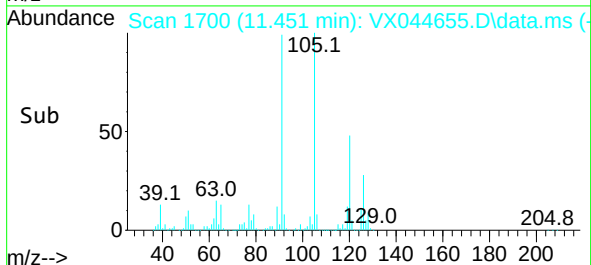
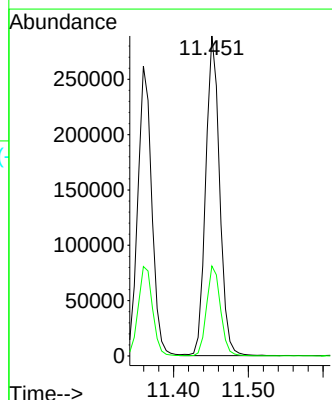
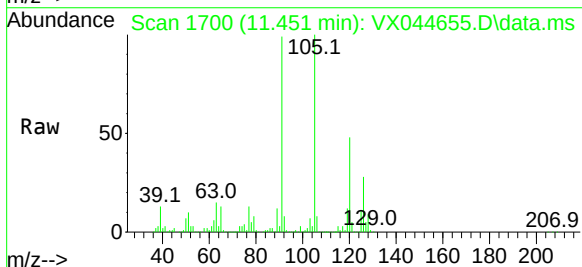
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

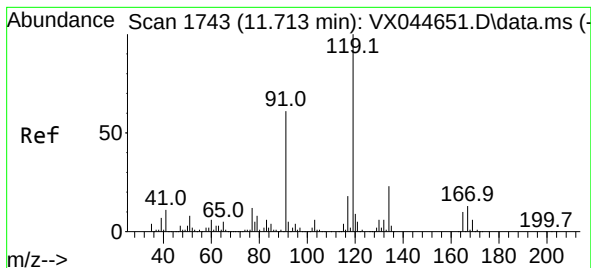
Tgt Ion: 75 Resp: 63708
Ion Ratio Lower Upper
75 100
53 93.1 74.3 111.5
89 47.1 37.4 56.0



#82
4-Chlorotoluene
Concen: 50.750 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 91 Resp: 373655
Ion Ratio Lower Upper
91 100
126 28.1 13.9 41.7





#83

tert-Butylbenzene

Concen: 49.459 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011525

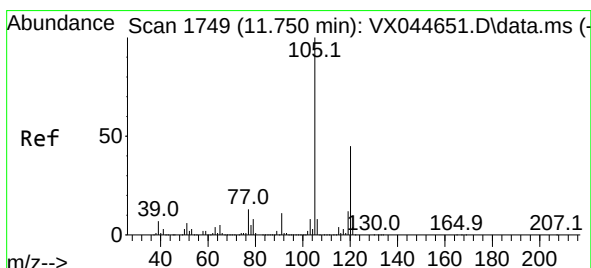
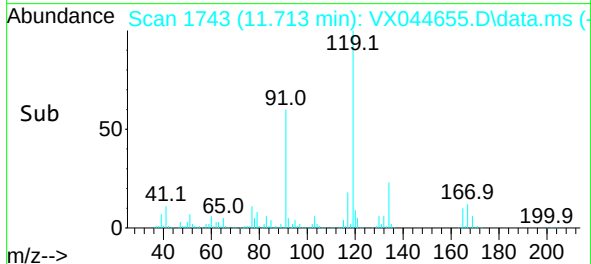
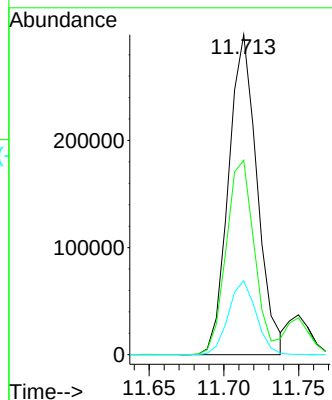
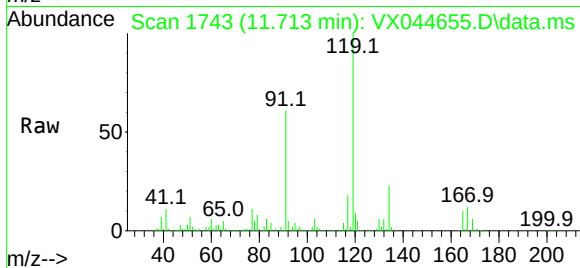
Tgt Ion:119 Resp: 397191

Ion Ratio Lower Upper

119 100

91 60.8 30.0 90.0

134 22.4 11.2 33.5



#84

1,2,4-Trimethylbenzene

Concen: 49.714 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044655.D

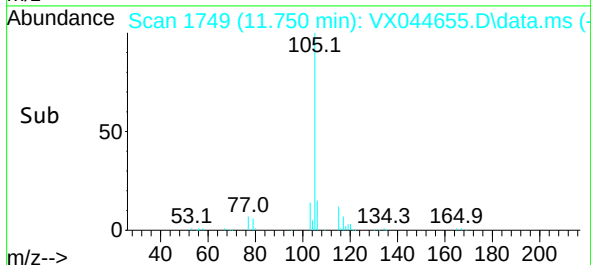
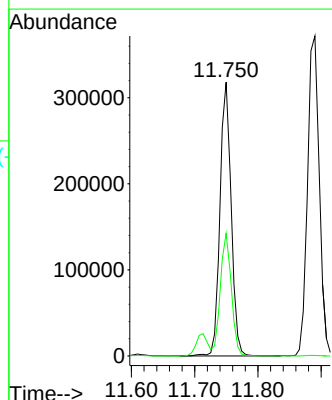
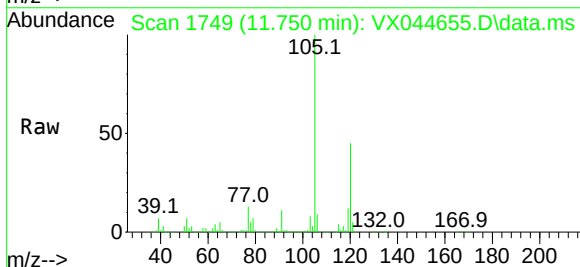
Acq: 15 Jan 2025 15:15

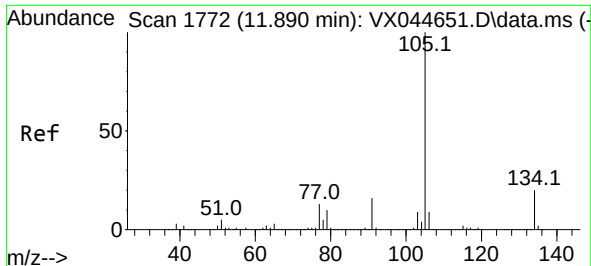
Tgt Ion:105 Resp: 388010

Ion Ratio Lower Upper

105 100

120 44.2 22.2 66.6

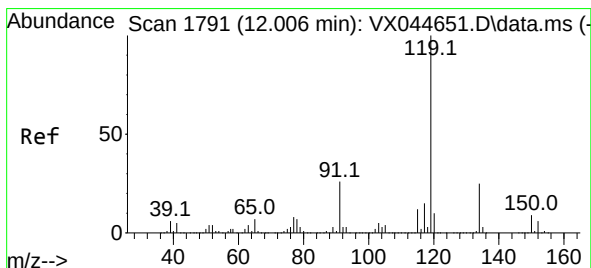
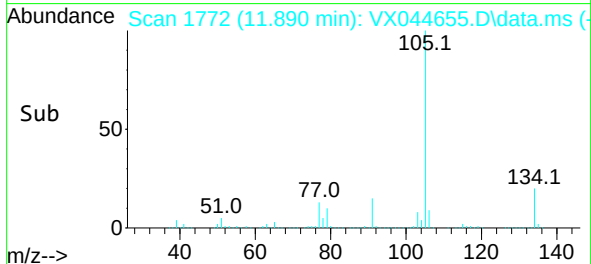
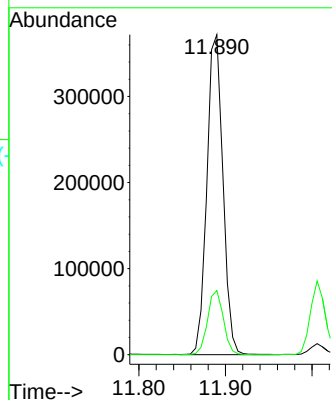
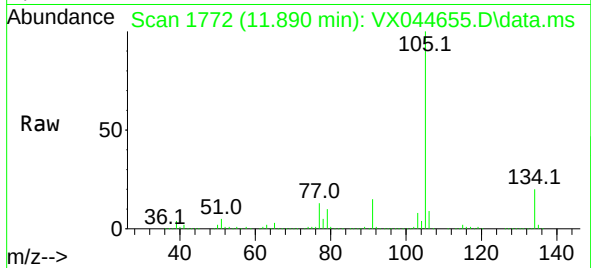




#85
 sec-Butylbenzene
 Concen: 51.076 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044655.D
 Acq: 15 Jan 2025 15:15

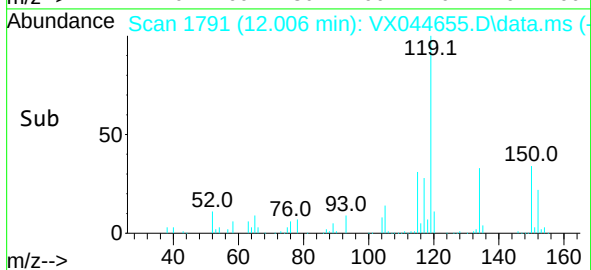
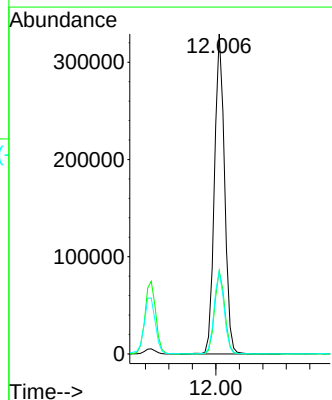
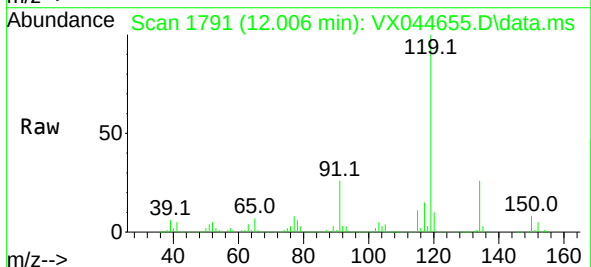
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011525

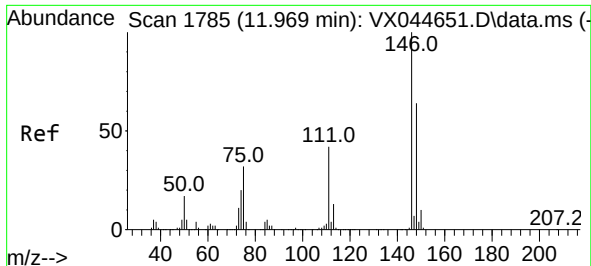
Tgt Ion:105 Resp: 477595
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 51.028 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044655.D
 Acq: 15 Jan 2025 15:15

Tgt Ion:119 Resp: 392123
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.4
 91 25.6 12.7 38.1

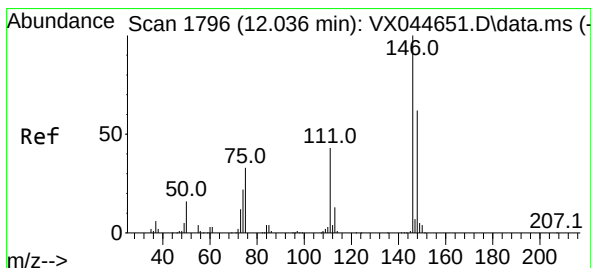
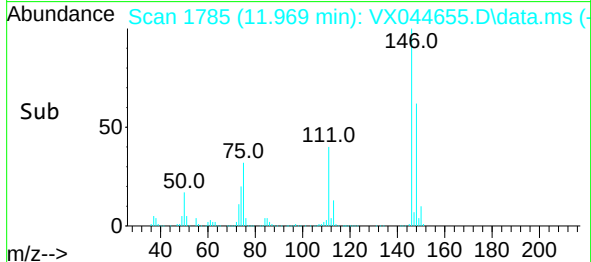
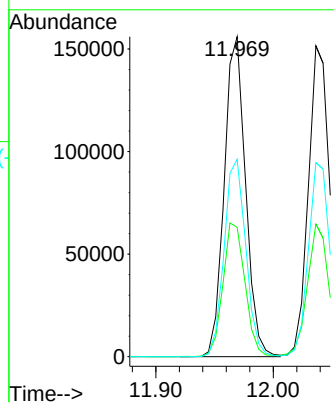
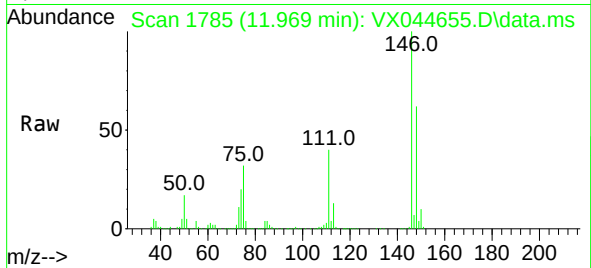




#87
1,3-Dichlorobenzene
Concen: 51.476 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

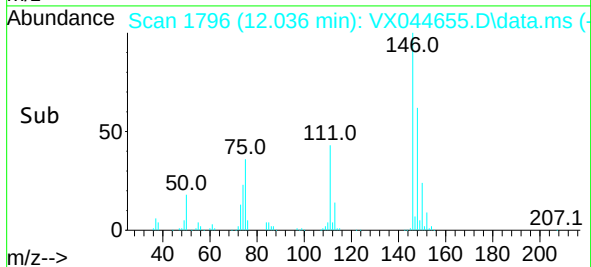
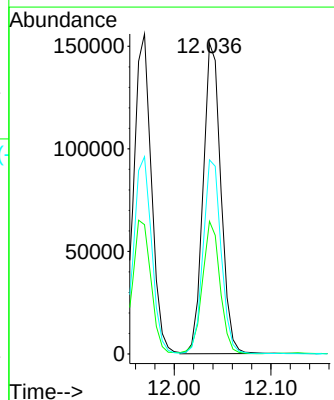
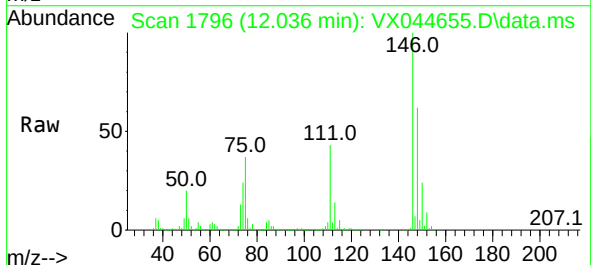
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

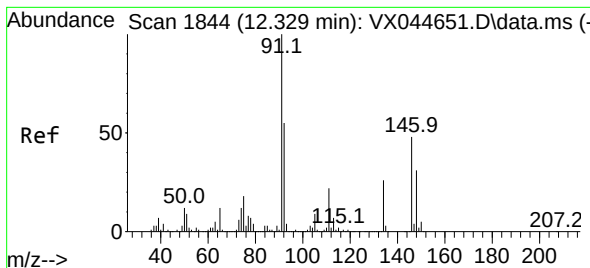
Tgt Ion:146 Resp: 196862
Ion Ratio Lower Upper
146 100
111 43.4 21.9 65.7
148 62.9 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 50.011 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:146 Resp: 193343
Ion Ratio Lower Upper
146 100
111 42.3 21.5 64.5
148 63.7 32.1 96.5





#89

n-Butylbenzene

Concen: 53.136 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011525

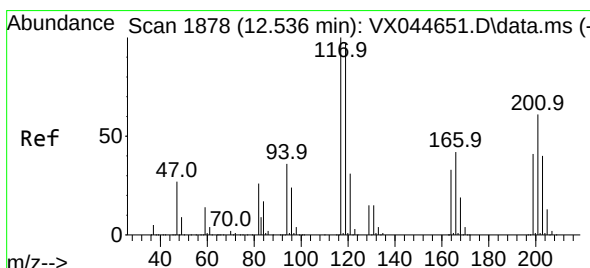
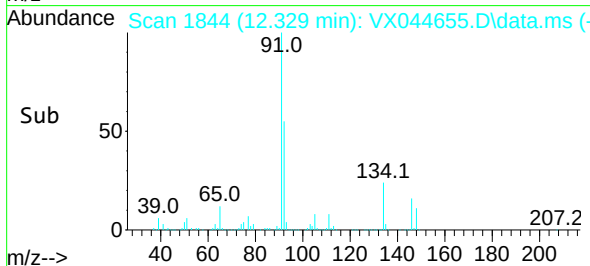
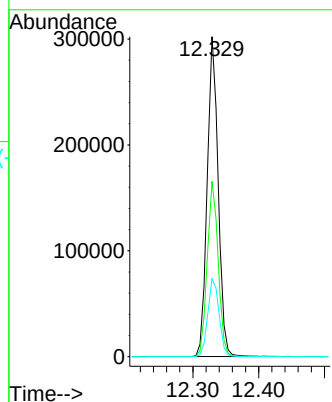
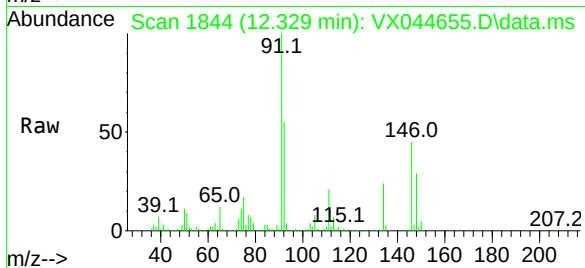
Tgt Ion: 91 Resp: 350704

Ion Ratio Lower Upper

91 100

92 55.0 27.4 82.0

134 25.1 12.8 38.3



#90

Hexachloroethane

Concen: 48.518 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044655.D

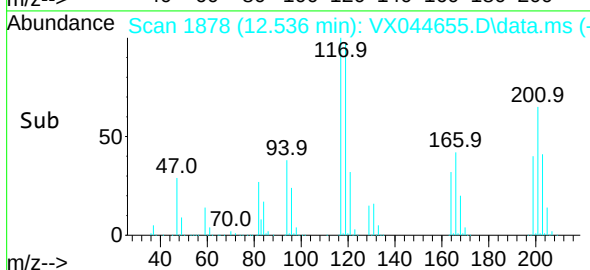
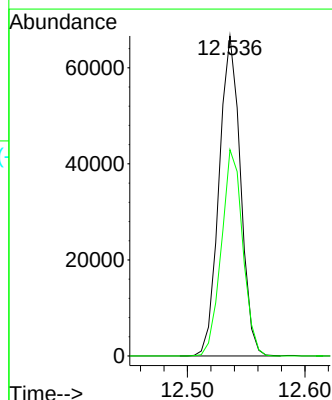
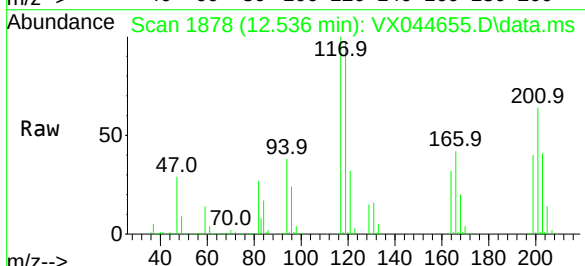
Acq: 15 Jan 2025 15:15

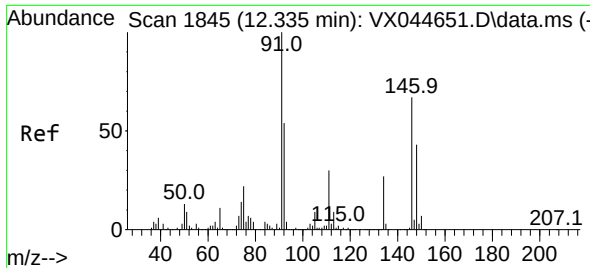
Tgt Ion: 117 Resp: 84427

Ion Ratio Lower Upper

117 100

201 64.4 32.3 96.8

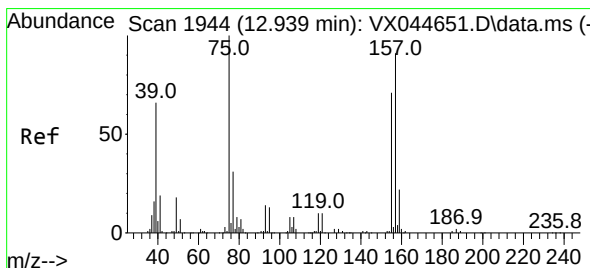
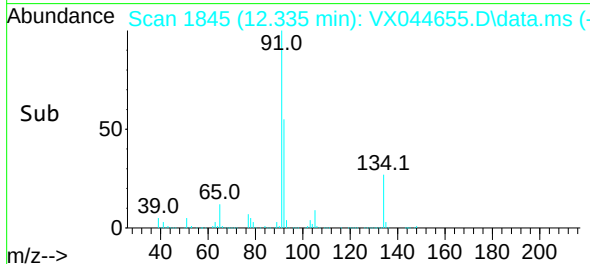
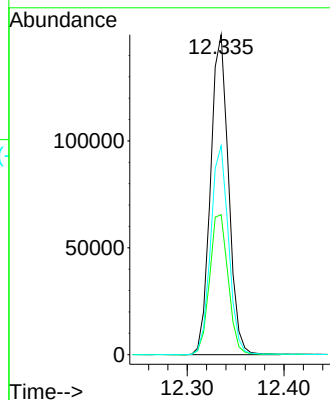
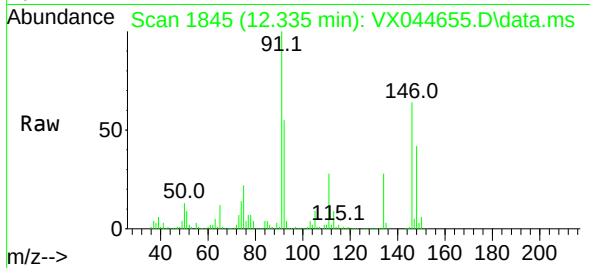




#91
 1,2-Dichlorobenzene
 Concen: 49.430 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: VX044655.D
 Acq: 15 Jan 2025 15:15

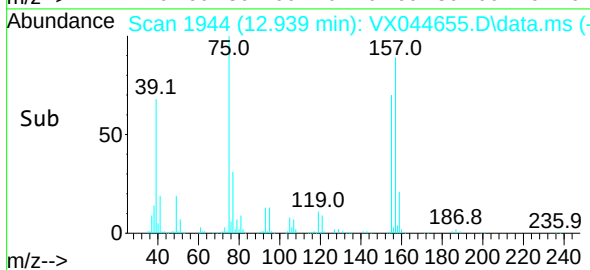
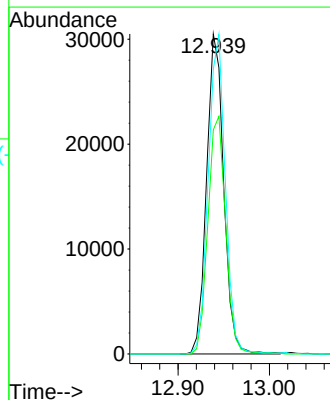
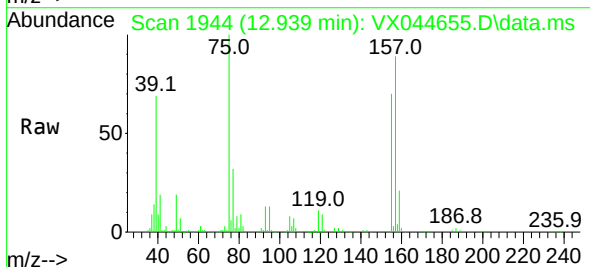
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011525

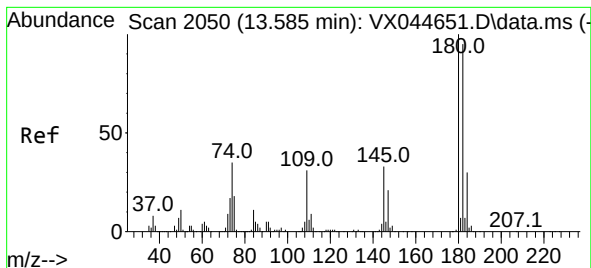
Tgt Ion:146 Resp: 194138
 Ion Ratio Lower Upper
 146 100
 111 45.4 22.4 67.2
 148 64.9 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.672 ug/l
 RT: 12.939 min Scan# 1944
 Delta R.T. 0.000 min
 Lab File: VX044655.D
 Acq: 15 Jan 2025 15:15

Tgt Ion: 75 Resp: 39583
 Ion Ratio Lower Upper
 75 100
 155 76.9 39.0 116.9
 157 99.4 49.9 149.7





#93

1,2,4-Trichlorobenzene

Concen: 53.362 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011525

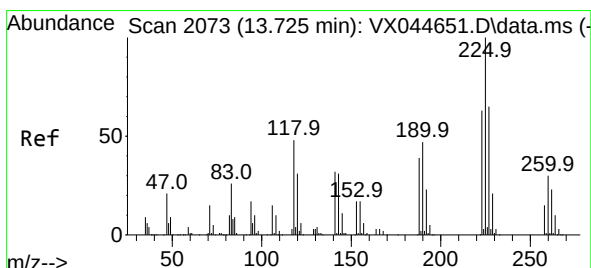
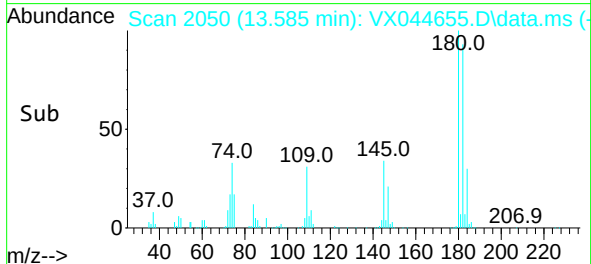
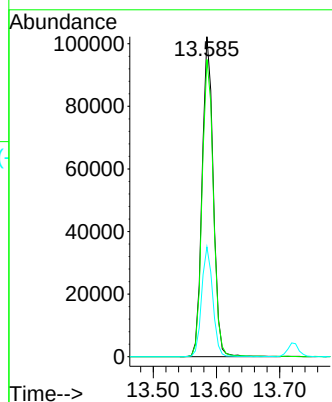
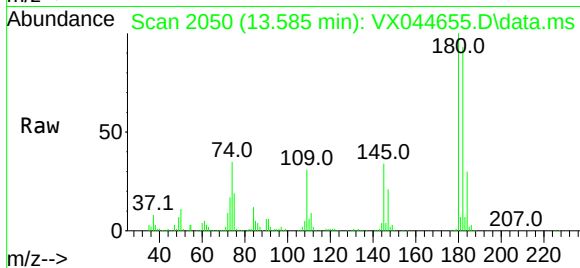
Tgt Ion:180 Resp: 125286

Ion Ratio Lower Upper

180 100

182 94.5 47.4 142.2

145 34.3 16.7 50.1



#94

Hexachlorobutadiene

Concen: 52.807 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

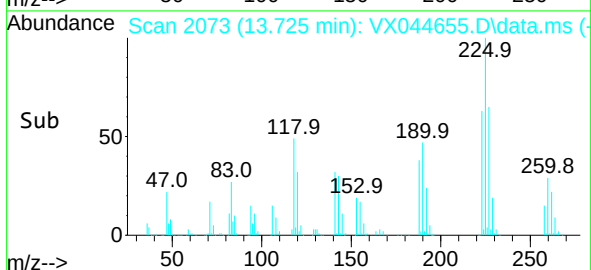
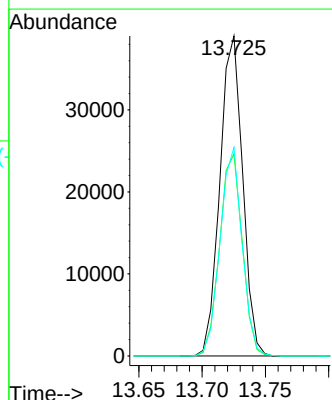
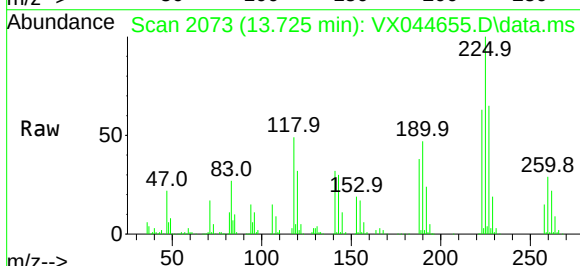
Tgt Ion:225 Resp: 48702

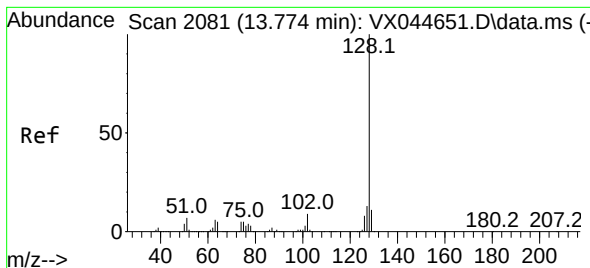
Ion Ratio Lower Upper

225 100

223 62.9 31.9 95.7

227 63.0 31.8 95.4





#95

Naphthalene

Concen: 52.899 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011525

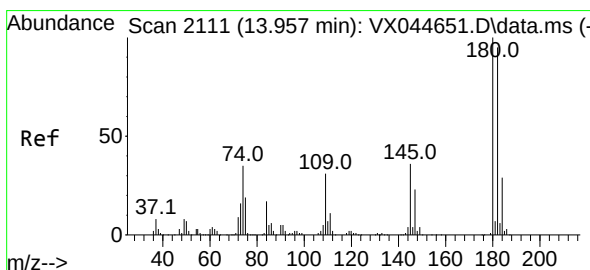
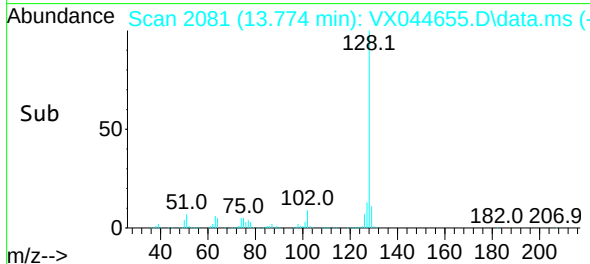
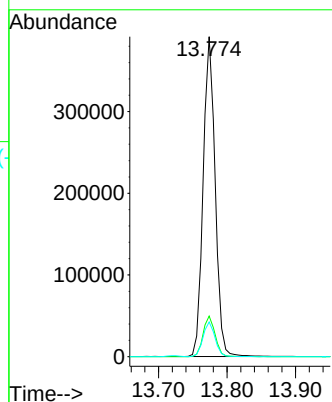
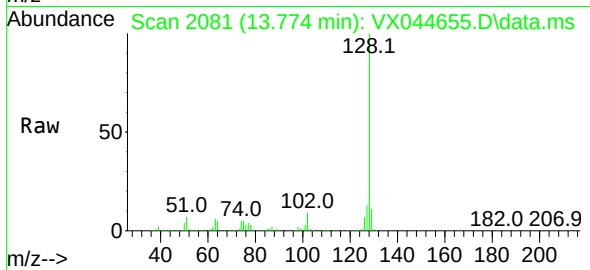
Tgt Ion:128 Resp: 479024

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 10.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 52.611 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044655.D

Acq: 15 Jan 2025 15:15

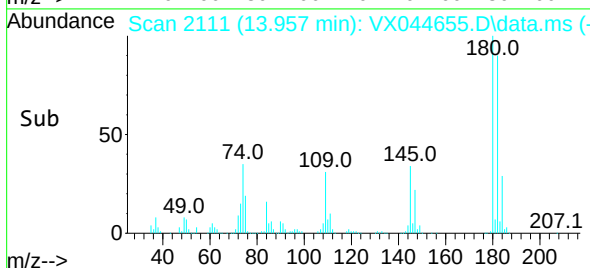
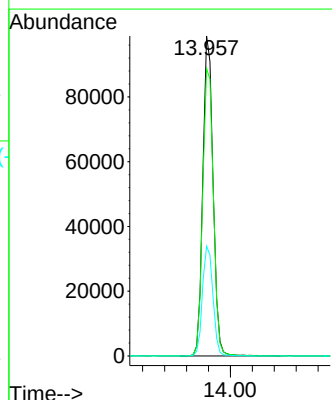
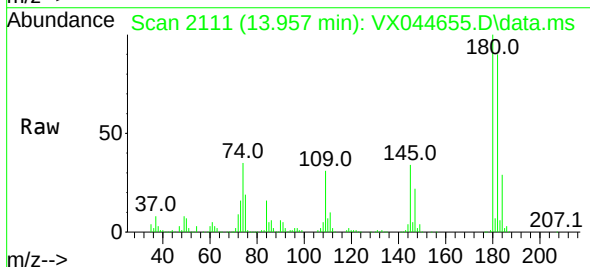
Tgt Ion:180 Resp: 128038

Ion Ratio Lower Upper

180 100

182 93.8 47.2 141.6

145 35.2 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044711.D
 Acq On : 27 Jan 2025 10:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	172369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	318376	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	277935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	123095	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	123157	47.336	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.680%
35) Dibromofluoromethane	5.373	113	100788	49.831	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.660%
50) Toluene-d8	8.641	98	355984	50.477	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.960%
62) 4-Bromofluorobenzene	11.079	95	134456	51.142	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.280%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	111623	48.124	ug/l	97
3) Chloromethane	1.294	50	133778	53.335	ug/l	100
4) Vinyl Chloride	1.374	62	129310	52.177	ug/l	100
5) Bromomethane	1.593	94	31277	52.854	ug/l	97
6) Chloroethane	1.660	64	35857	78.899	ug/l	96
7) Trichlorofluoromethane	1.867	101	134485	49.099	ug/l	98
8) Diethyl Ether	2.130	74	47069	42.582	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	105487	51.232	ug/l	99
10) Methyl Iodide	2.440	142	140845	50.103	ug/l	97
11) Tert butyl alcohol	2.971	59	66132	114.016	ug/l #	78
12) 1,1-Dichloroethene	2.312	96	105513	52.279	ug/l	92
13) Acrolein	2.233	56	148664	544.657	ug/l	99
14) Allyl chloride	2.654	41	200142	50.932	ug/l	97
15) Acrylonitrile	3.056	53	304312	267.495	ug/l	98
16) Acetone	2.379	43	247835	240.764	ug/l	96
17) Carbon Disulfide	2.501	76	291079	52.854	ug/l	99
18) Methyl Acetate	2.696	43	169609	53.407	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	378923	51.834	ug/l	100
20) Methylene Chloride	2.782	84	126568	52.799	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	106458	50.522	ug/l	96
22) Diisopropyl ether	3.751	45	382549	56.003	ug/l	98
23) Vinyl Acetate	3.715	43	1630552	272.725	ug/l	100
24) 1,1-Dichloroethane	3.599	63	213198	52.632	ug/l	100
25) 2-Butanone	4.550	43	404966	264.600	ug/l	99
26) 2,2-Dichloropropane	4.464	77	181991	46.357	ug/l	97
27) cis-1,2-Dichloroethene	4.477	96	135384	51.078	ug/l	99
28) Bromochloromethane	4.885	49	97603	51.564	ug/l	98
29) Tetrahydrofuran	4.995	42	260029	263.398	ug/l	98
30) Chloroform	5.080	83	207551	50.771	ug/l	96
31) Cyclohexane	5.452	56	176773	53.957	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	170957	45.490	ug/l	99
36) 1,1-Dichloropropene	5.684	75	137792	48.940	ug/l	99
37) Ethyl Acetate	4.702	43	160916	53.669	ug/l	99
38) Carbon Tetrachloride	5.665	117	144163	45.521	ug/l	98
39) Methylcyclohexane	7.372	83	191285	51.179	ug/l	98
40) Benzene	6.025	78	452521	51.868	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044711.D
 Acq On : 27 Jan 2025 10:08
 Operator : JC/MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0050

Quant Time: Jan 28 04:06:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	91356	52.289	ug/l	98
42) 1,2-Dichloroethane	6.074	62	155155	48.725	ug/l	100
43) Isopropyl Acetate	6.330	43	284981	51.667	ug/l	100
44) Trichloroethene	7.116	130	105738	50.413	ug/l	98
45) 1,2-Dichloropropane	7.421	63	116931	53.245	ug/l	98
46) Dibromomethane	7.574	93	83999	50.244	ug/l	100
47) Bromodichloromethane	7.811	83	170245	49.656	ug/l	98
48) Methyl methacrylate	7.683	41	137818	53.829	ug/l	99
49) 1,4-Dioxane	7.665	88	52981	991.841	ug/l	99
51) 4-Methyl-2-Pentanone	8.567	43	805406	264.229	ug/l	100
52) Toluene	8.714	92	275176	51.531	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	185440	52.351	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	196861	51.254	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	111881	51.785	ug/l	99
56) Ethyl methacrylate	9.110	69	196250	52.829	ug/l	99
57) 1,3-Dichloropropane	9.305	76	193983	52.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.232	63	450749	247.155	ug/l	98
59) 2-Hexanone	9.427	43	578675	258.046	ug/l	99
60) Dibromochloromethane	9.518	129	130942	51.638	ug/l	99
61) 1,2-Dibromoethane	9.604	107	116099	51.277	ug/l	99
64) Tetrachloroethene	9.268	164	84859	48.623	ug/l	98
65) Chlorobenzene	10.073	112	301484	51.069	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	104268	48.599	ug/l	98
67) Ethyl Benzene	10.189	91	520975	50.576	ug/l	98
68) m/p-Xylenes	10.299	106	390083	102.049	ug/l	99
69) o-Xylene	10.640	106	193241	49.989	ug/l	99
70) Styrene	10.652	104	331210	53.068	ug/l	98
71) Bromoform	10.799	173	86906	49.769	ug/l #	98
73) Isopropylbenzene	10.957	105	480397	47.772	ug/l	100
74) N-amyl acetate	10.841	43	240430	48.507	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	169562	48.822	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	193809	64.877	ug/l	78
77) Bromobenzene	11.195	156	116886	49.729	ug/l	99
78) n-propylbenzene	11.299	91	562742	50.743	ug/l	100
79) 2-Chlorotoluene	11.360	91	348599	48.661	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	402748	49.198	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	64582	49.439	ug/l	98
82) 4-Chlorotoluene	11.451	91	396992	50.588	ug/l	99
83) tert-Butylbenzene	11.713	119	402232	46.992	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	404571	48.633	ug/l	99
85) sec-Butylbenzene	11.890	105	491434	49.309	ug/l	99
86) p-Isopropyltoluene	12.006	119	404929	49.439	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	212027	52.016	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	211171	51.247	ug/l	98
89) n-Butylbenzene	12.329	91	370043	52.602	ug/l	99
90) Hexachloroethane	12.536	117	85234	45.956	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	205003	48.972	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	34674	40.823	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	132044	52.765	ug/l	99
94) Hexachlorobutadiene	13.725	225	48609	49.450	ug/l	98
95) Naphthalene	13.774	128	484495	50.197	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	133922	51.628	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

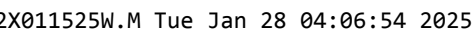
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MSVOA_X
ClientSampleId :
VSTDCCC050

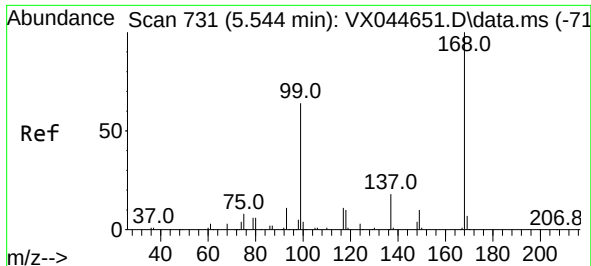
Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

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

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

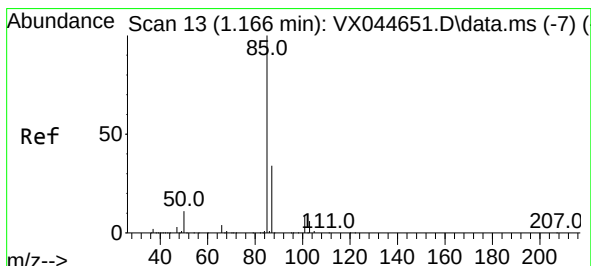
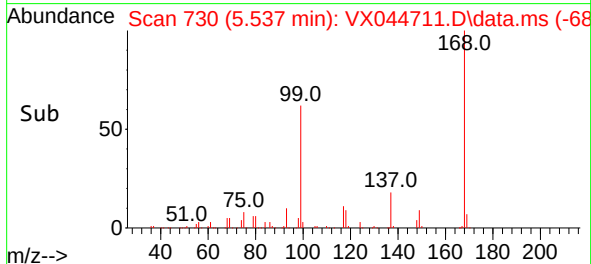
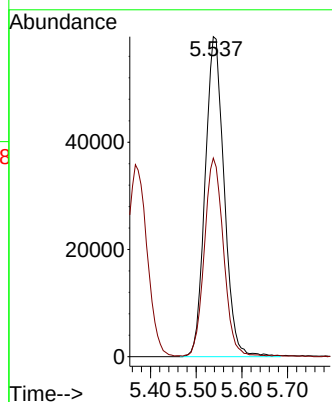
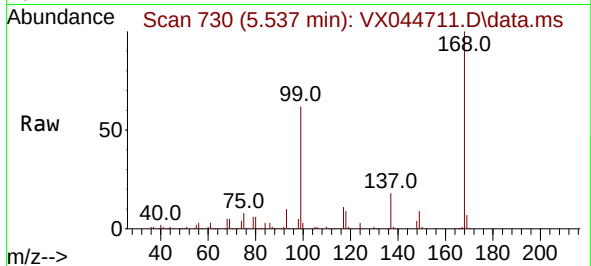




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

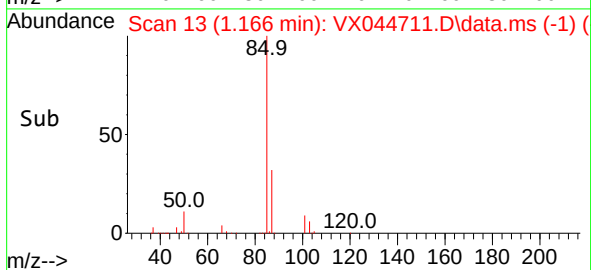
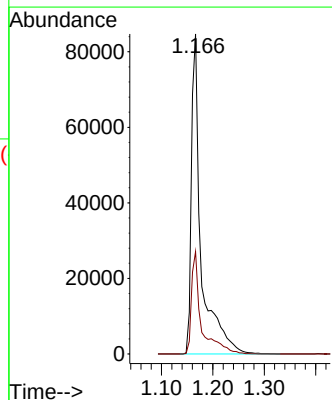
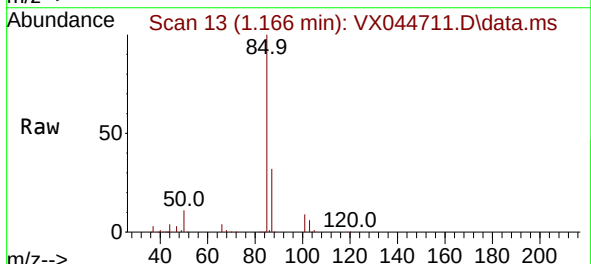
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

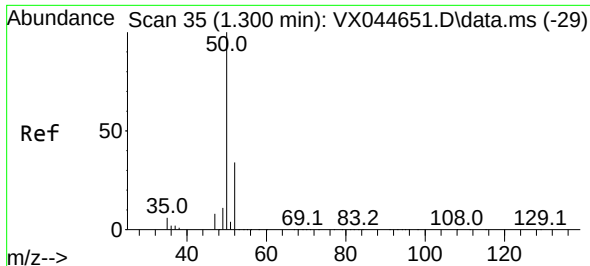
Tgt Ion:168 Resp: 172369
Ion Ratio Lower Upper
168 100
99 61.8 51.1 76.7



#2
Dichlorodifluoromethane
Concen: 48.124 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 85 Resp: 111623
Ion Ratio Lower Upper
85 100
87 32.0 16.8 50.4

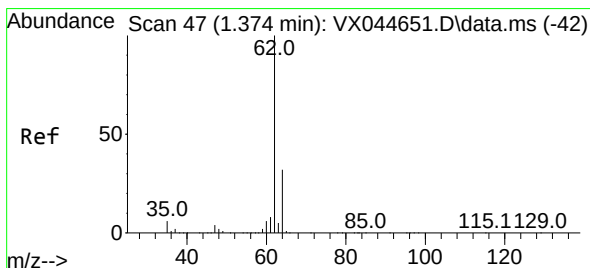
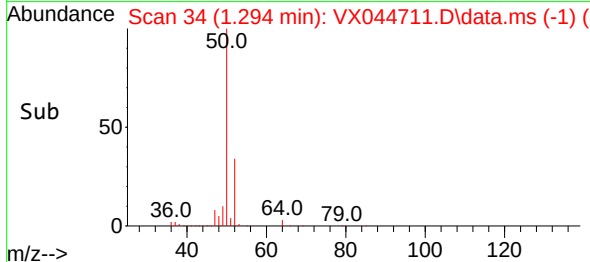
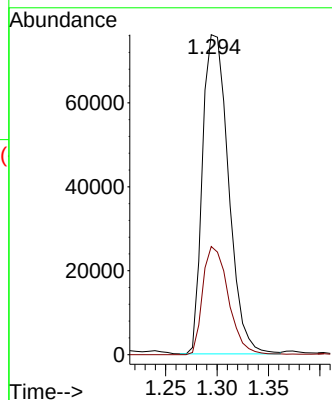
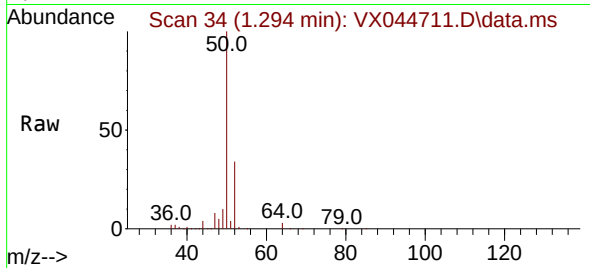




#3
Chloromethane
Concen: 53.335 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

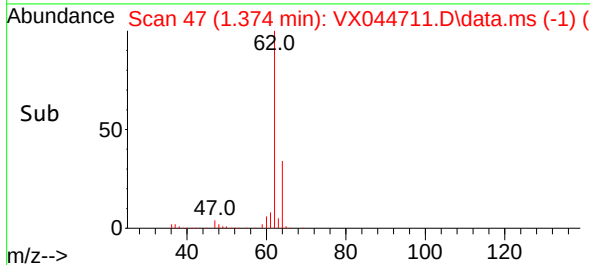
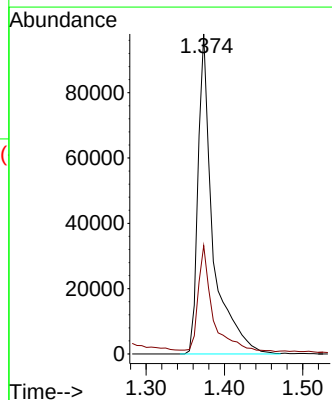
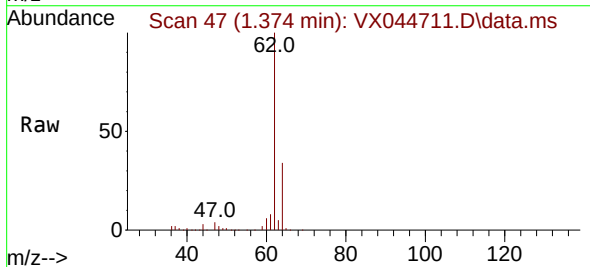
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

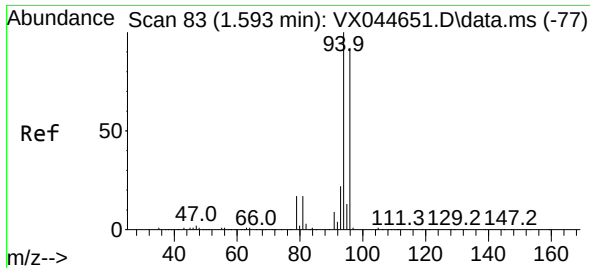
Tgt Ion: 50 Resp: 133778
Ion Ratio Lower Upper
50 100
52 33.9 27.0 40.4



#4
Vinyl Chloride
Concen: 52.177 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 62 Resp: 129310
Ion Ratio Lower Upper
62 100
64 32.9 26.6 39.8

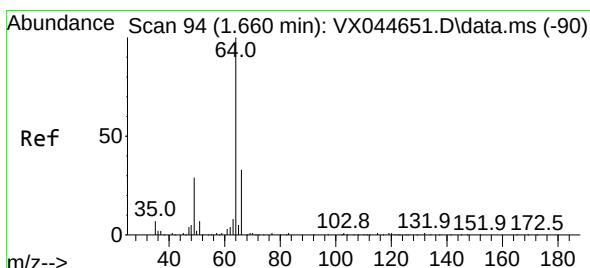
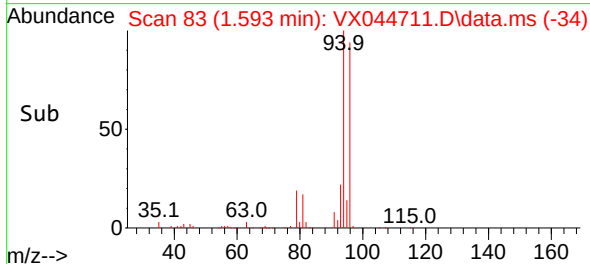
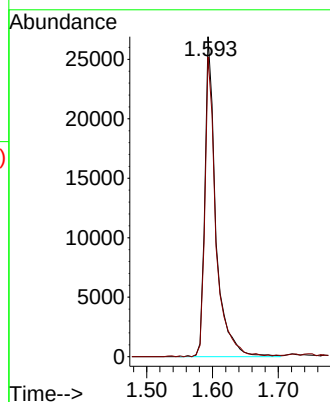
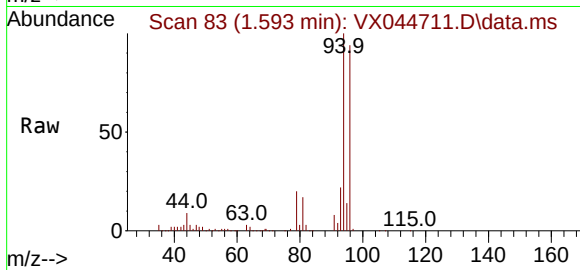




#5
Bromomethane
Concen: 52.854 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

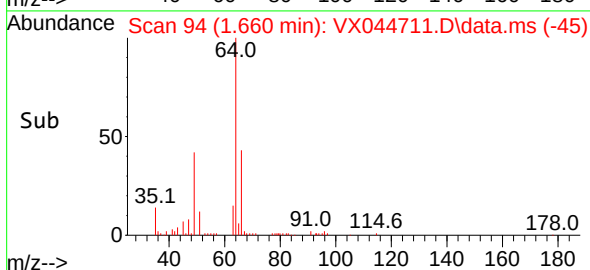
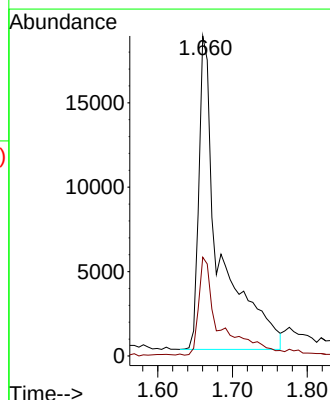
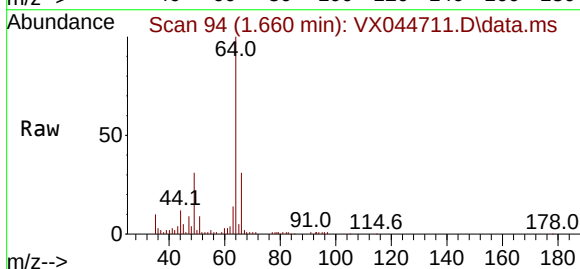
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

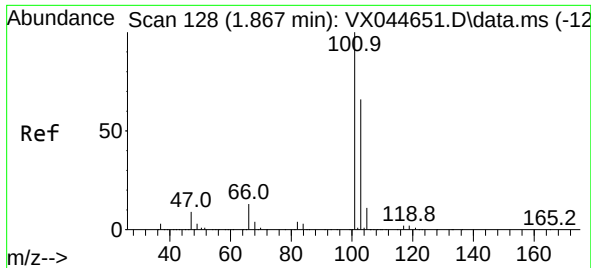
Tgt Ion: 94 Resp: 31277
Ion Ratio Lower Upper
94 100
96 93.5 72.8 109.2



#6
Chloroethane
Concen: 78.899 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 64 Resp: 35857
Ion Ratio Lower Upper
64 100
66 30.9 26.6 39.8

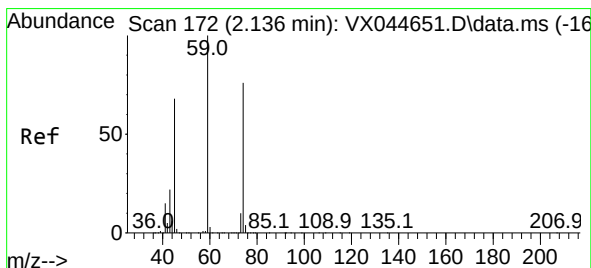
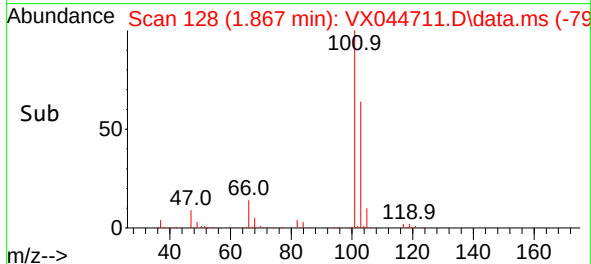
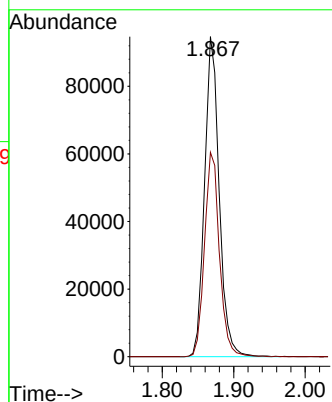
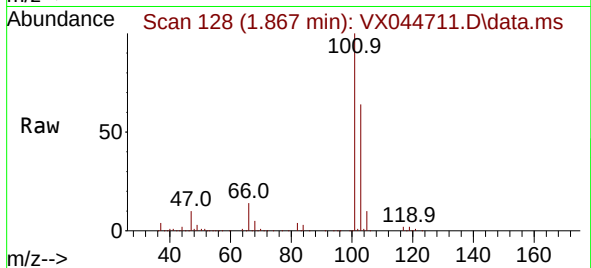




#7
Trichlorofluoromethane
Concen: 49.099 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

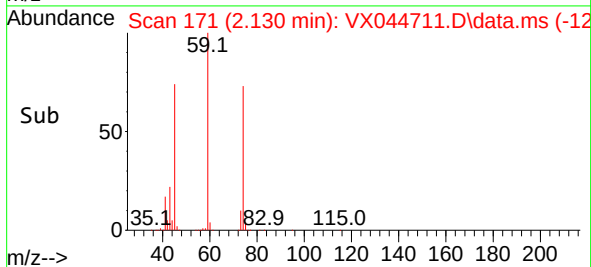
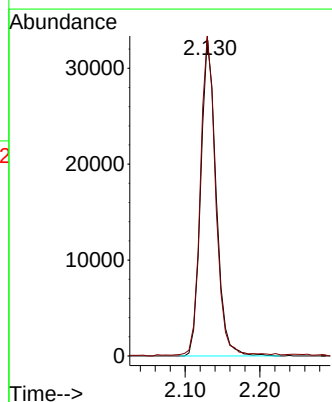
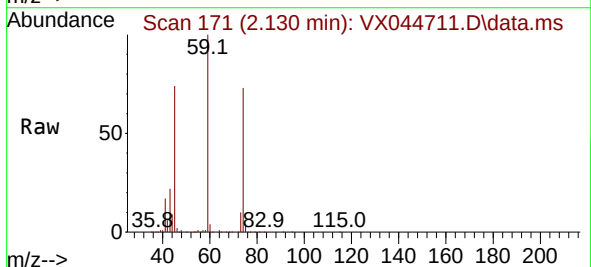
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

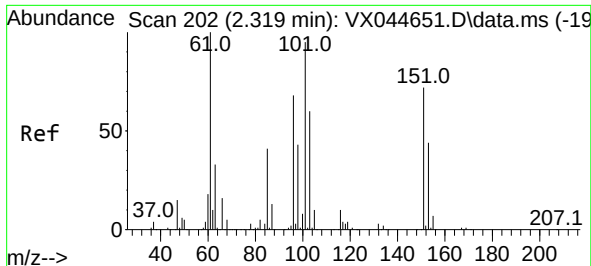
Tgt Ion:101 Resp: 134485
Ion Ratio Lower Upper
101 100
103 63.8 52.5 78.7



#8
Diethyl Ether
Concen: 42.582 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 74 Resp: 47069
Ion Ratio Lower Upper
74 100
45 100.0 47.1 141.3

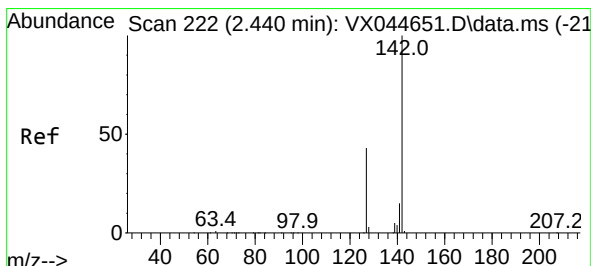
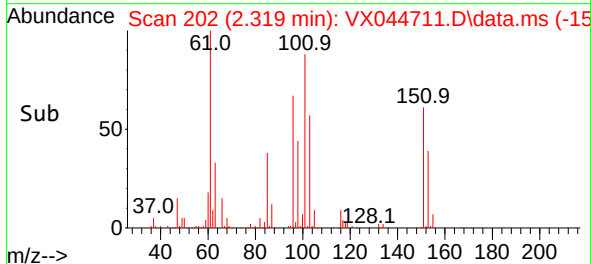
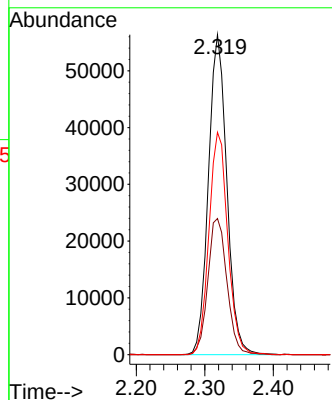
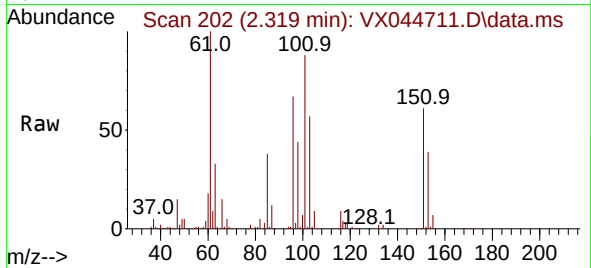




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.232 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

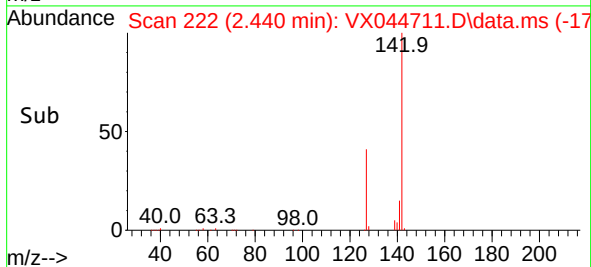
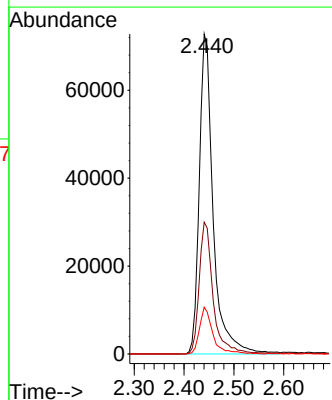
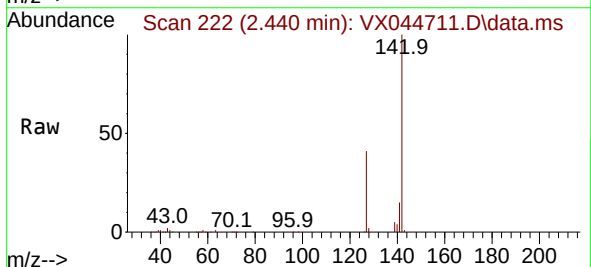
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

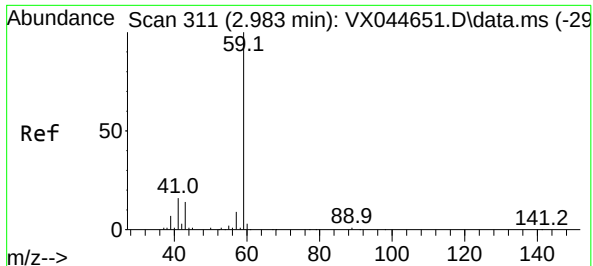
Tgt Ion:101 Resp: 105487
Ion Ratio Lower Upper
101 100
85 44.2 35.3 52.9
151 70.9 58.2 87.4



#10
Methyl Iodide
Concen: 50.103 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:142 Resp: 140845
Ion Ratio Lower Upper
142 100
127 41.6 35.0 52.4
141 14.1 11.7 17.5

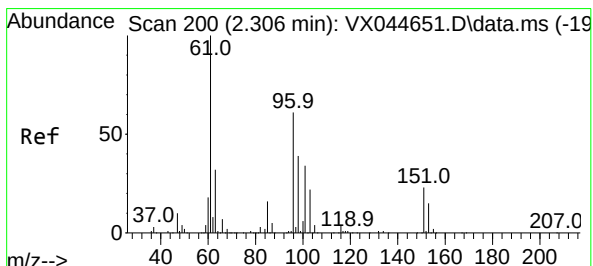
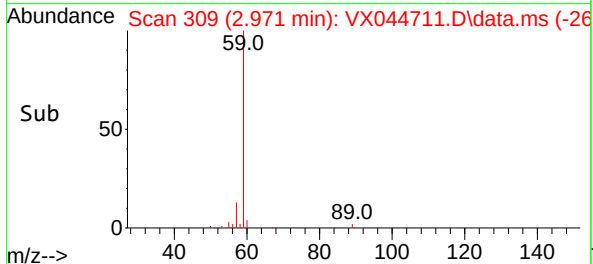
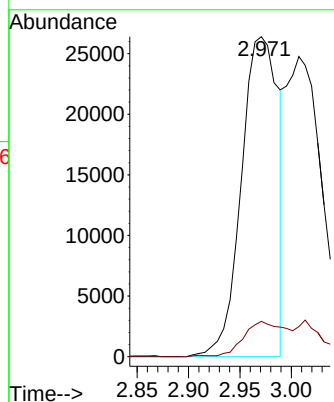
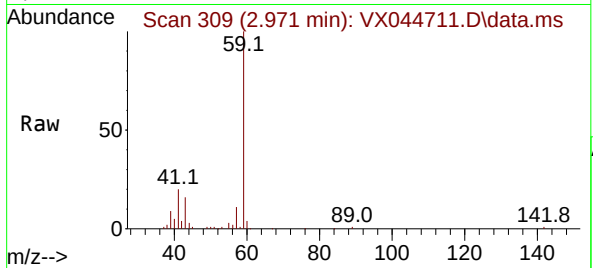




#11
Tert butyl alcohol
Concen: 114.016 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

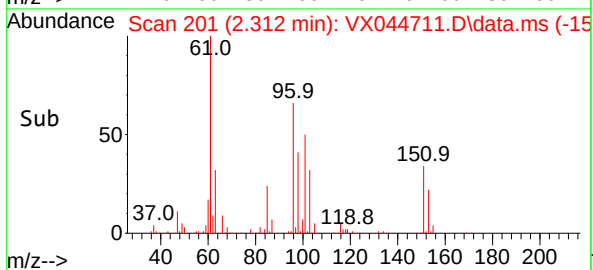
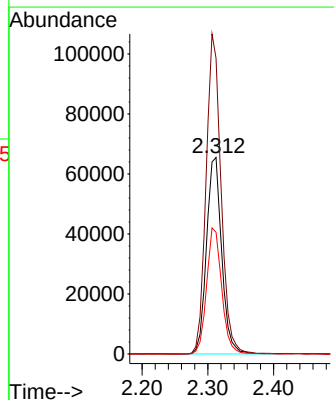
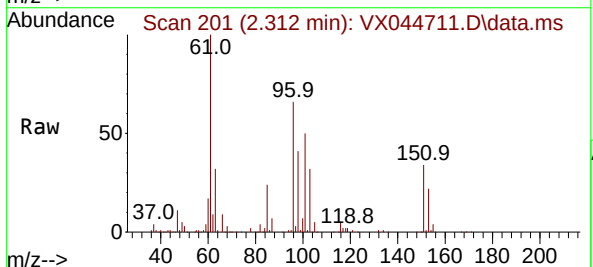
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

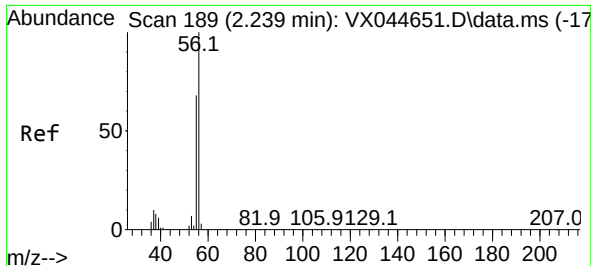
Tgt Ion: 59 Resp: 66132
Ion Ratio Lower Upper
59 100
57 12.2 3.9 5.9#



#12
1,1-Dichloroethene
Concen: 52.279 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 96 Resp: 105513
Ion Ratio Lower Upper
96 100
61 150.4 131.1 196.7
98 62.0 51.2 76.8

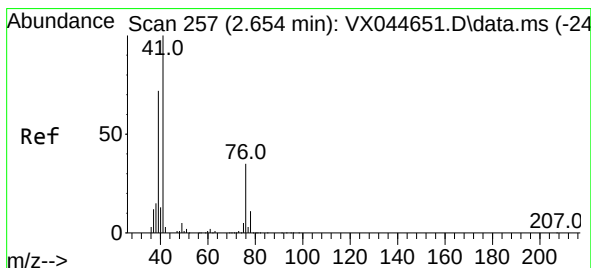
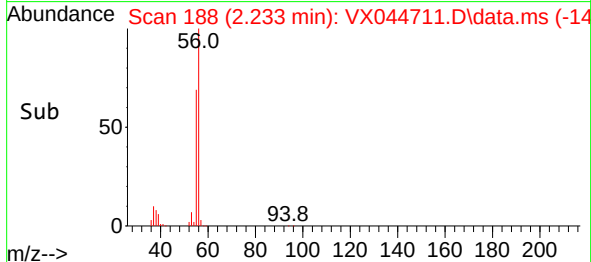
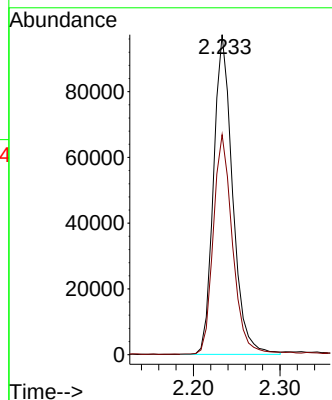
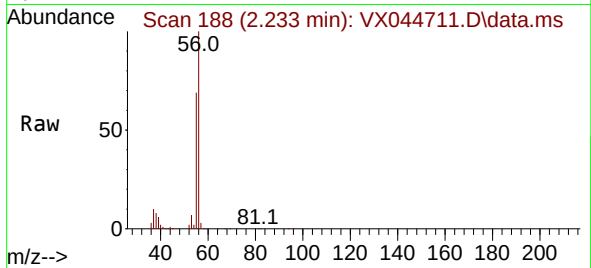




#13
 Acrolein
 Concen: 544.657 ug/l
 RT: 2.233 min Scan# 189
 Delta R.T. -0.006 min
 Lab File: VX044711.D
 Acq: 27 Jan 2025 10:08

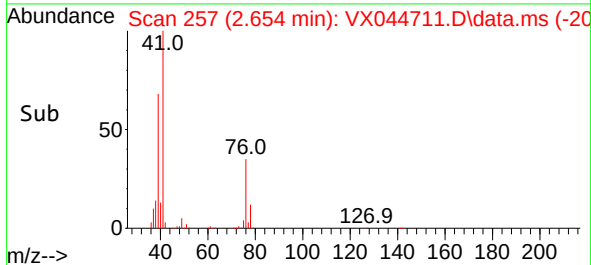
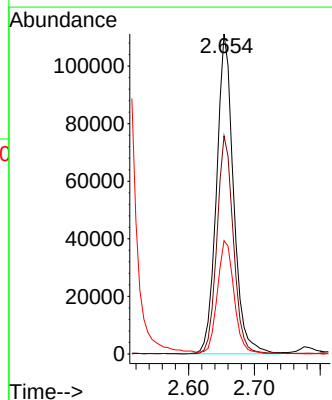
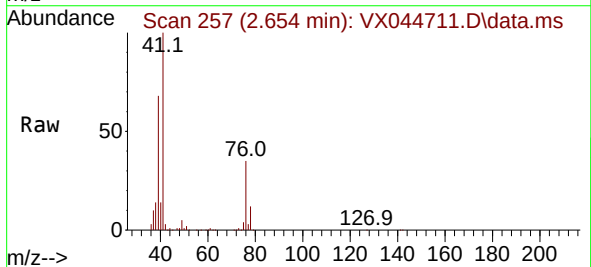
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

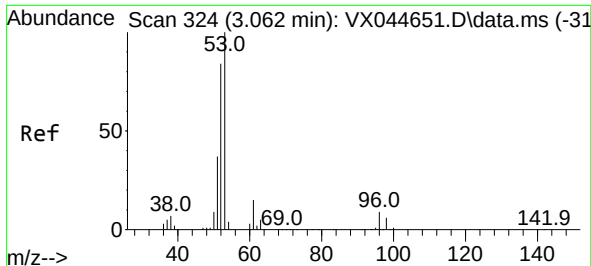
Tgt Ion: 56 Resp: 148664
 Ion Ratio Lower Upper
 56 100
 55 69.5 55.1 82.7



#14
 Allyl chloride
 Concen: 50.932 ug/l
 RT: 2.654 min Scan# 257
 Delta R.T. -0.000 min
 Lab File: VX044711.D
 Acq: 27 Jan 2025 10:08

Tgt Ion: 41 Resp: 200142
 Ion Ratio Lower Upper
 41 100
 39 66.0 54.9 82.3
 76 34.4 28.4 42.6

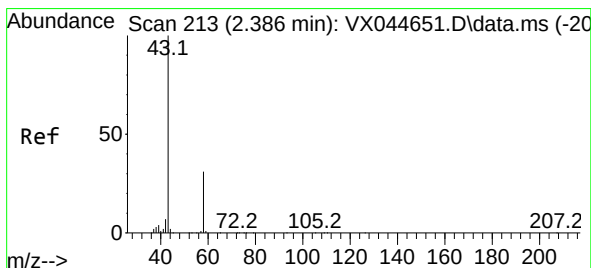
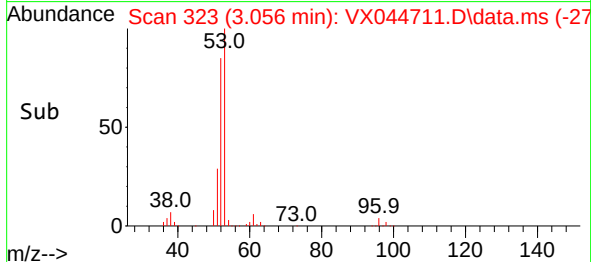
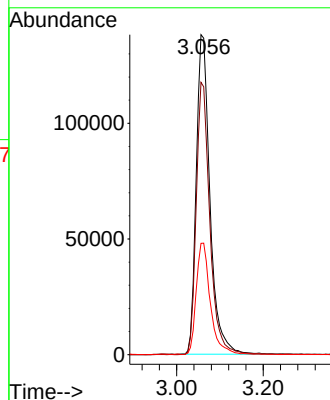
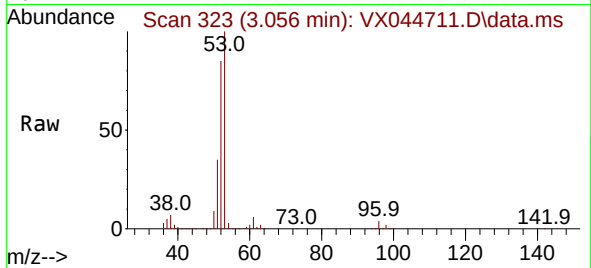




#15
Acrylonitrile
Concen: 267.495 ug/l
RT: 3.056 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

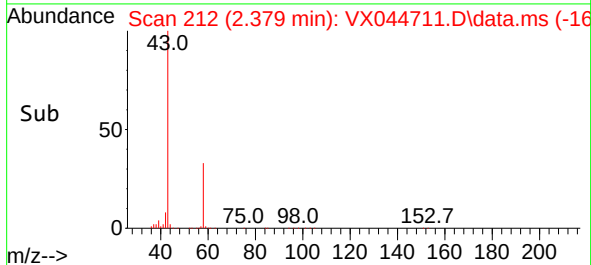
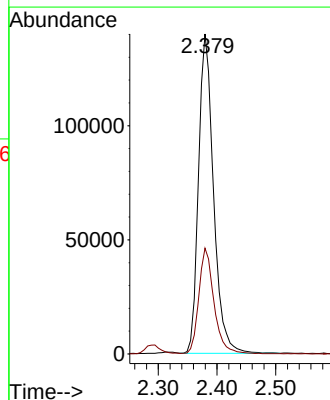
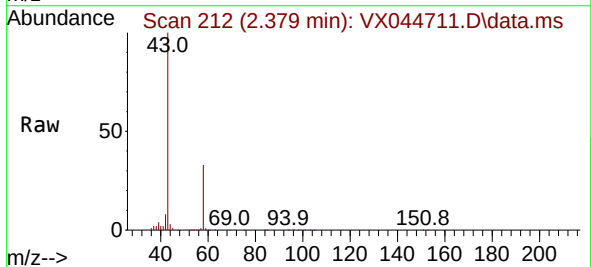
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

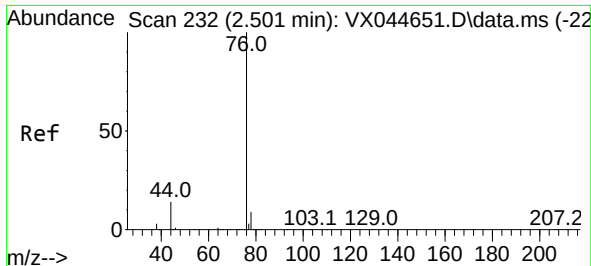
Tgt Ion: 53 Resp: 304312
Ion Ratio Lower Upper
53 100
52 84.3 66.0 99.0
51 35.7 28.9 43.3



#16
Acetone
Concen: 240.764 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 43 Resp: 247835
Ion Ratio Lower Upper
43 100
58 33.0 24.6 37.0

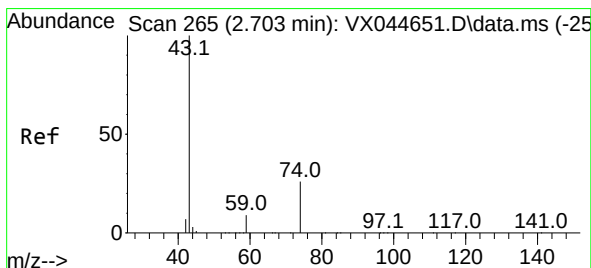
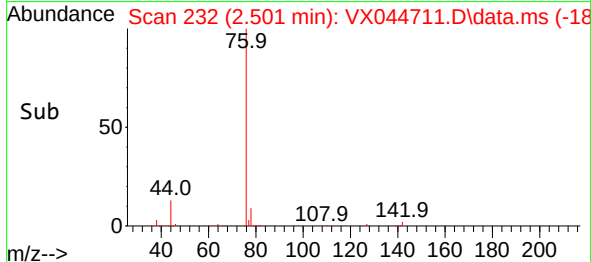
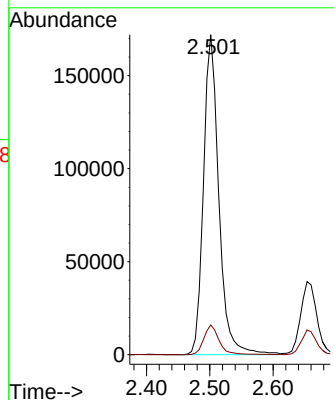
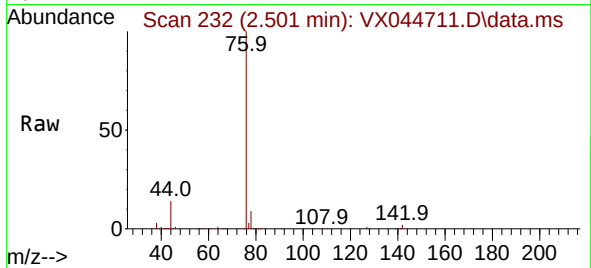




#17
Carbon Disulfide
Concen: 52.854 ug/l
RT: 2.501 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

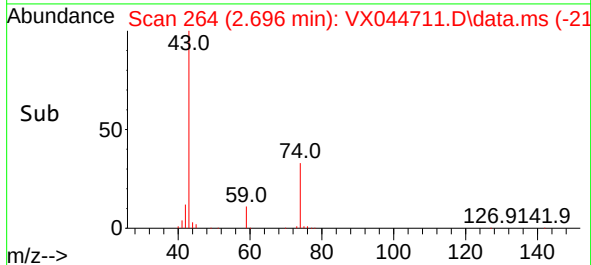
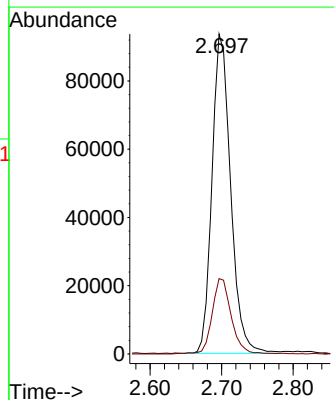
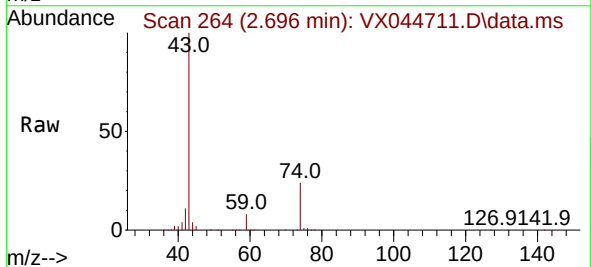
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

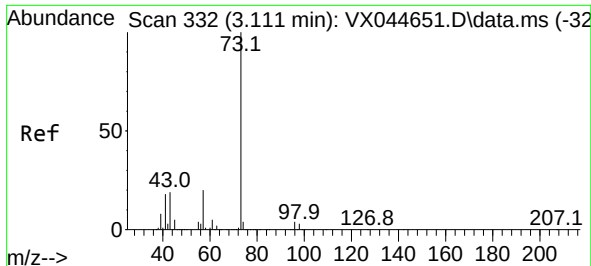
Tgt Ion: 76 Resp: 291079
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 53.407 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 43 Resp: 169609
Ion Ratio Lower Upper
43 100
74 24.3 19.8 29.8

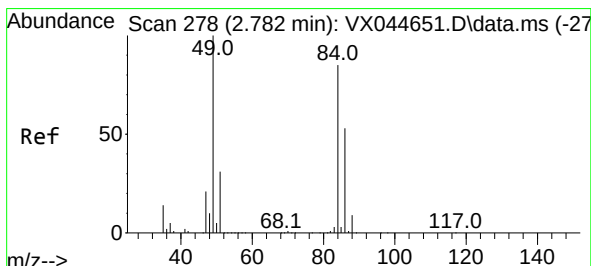
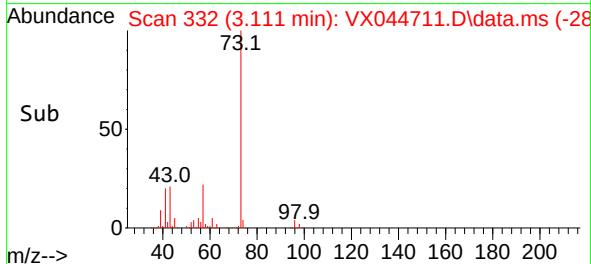
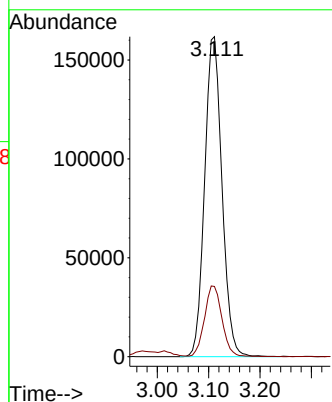
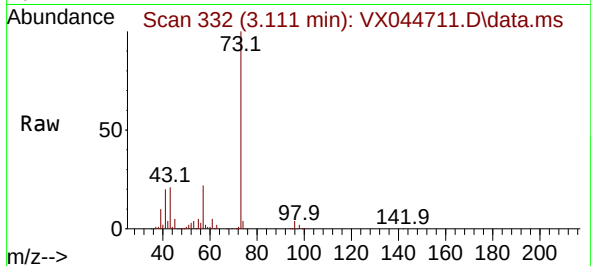




#19
Methyl tert-butyl Ether
Concen: 51.834 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

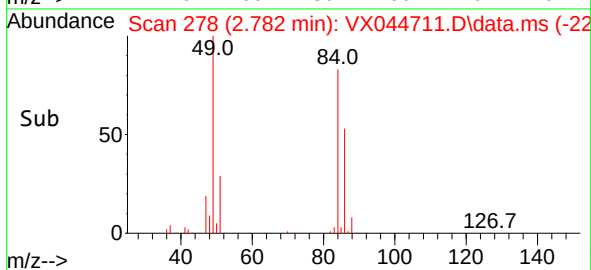
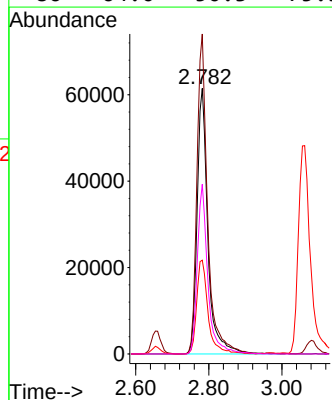
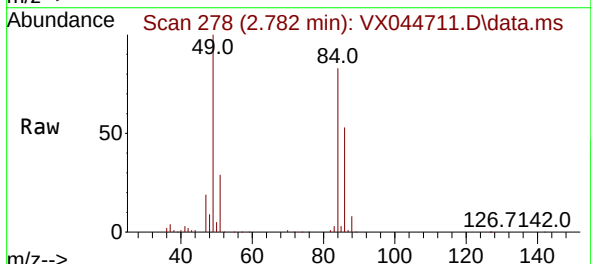
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

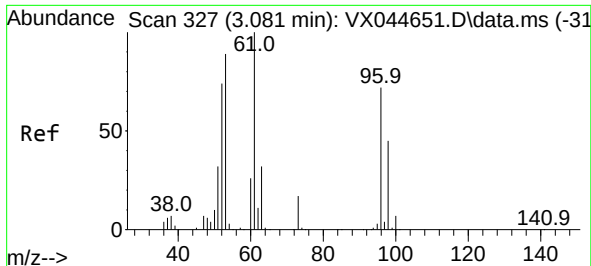
Tgt Ion: 73 Resp: 378923
Ion Ratio Lower Upper
73 100
57 21.9 17.4 26.0



#20
Methylene Chloride
Concen: 52.799 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 84 Resp: 126568
Ion Ratio Lower Upper
84 100
49 120.5 94.2 141.4
51 35.3 28.8 43.2
86 64.0 50.3 75.5

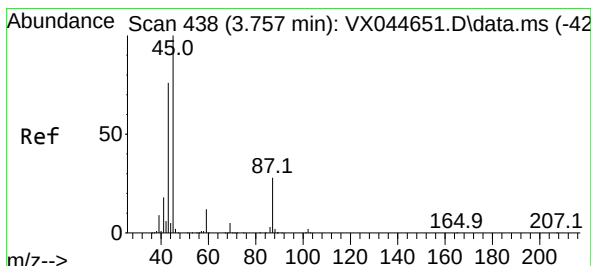
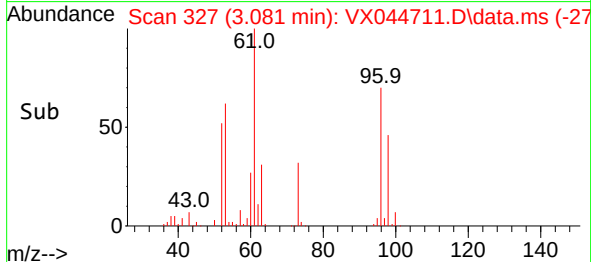
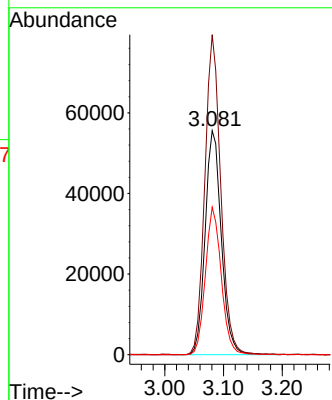
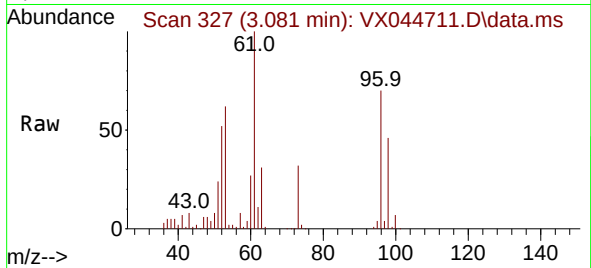




#21
trans-1,2-Dichloroethene
Concen: 50.522 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

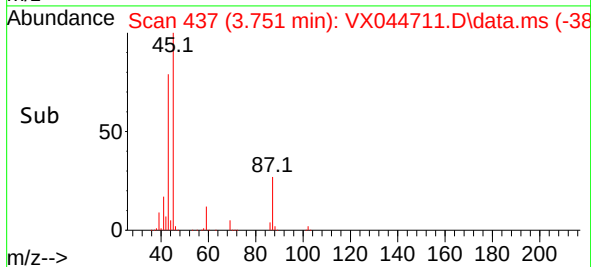
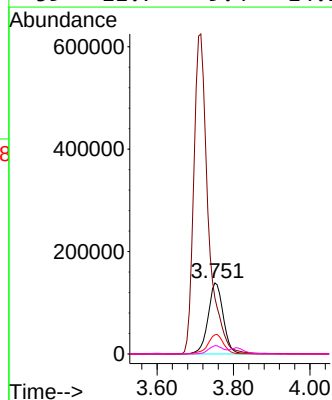
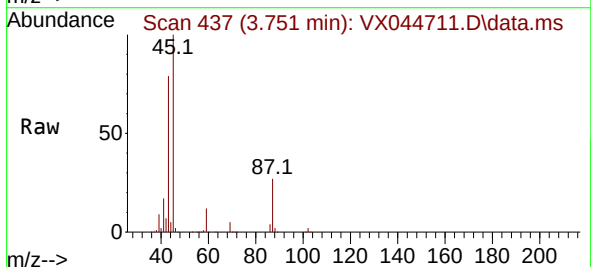
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

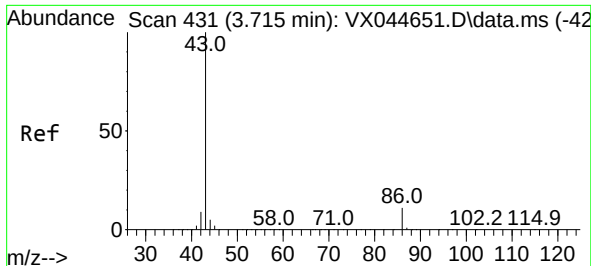
Tgt Ion: 96 Resp: 106458
Ion Ratio Lower Upper
96 100
61 142.8 111.0 166.6
98 65.9 50.2 75.2



#22
Diisopropyl ether
Concen: 56.003 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 45 Resp: 382549
Ion Ratio Lower Upper
45 100
43 78.7 61.0 91.6
87 27.0 22.7 34.1
59 11.7 9.4 14.2

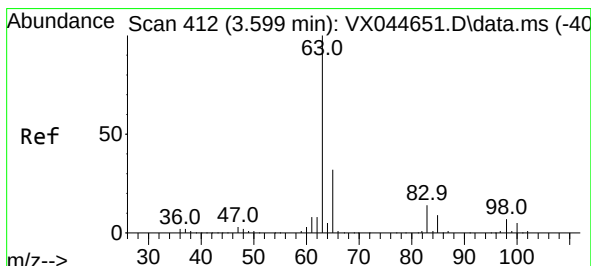
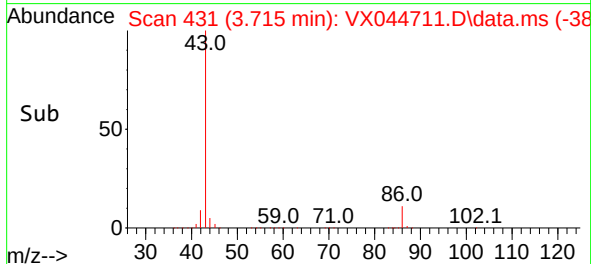
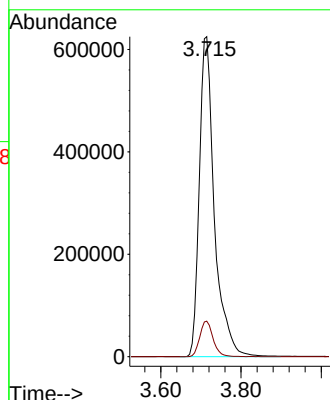
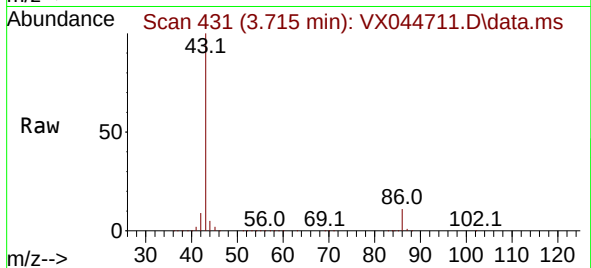




#23
 Vinyl Acetate
 Concen: 272.725 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. -0.000 min
 Lab File: VX044711.D
 Acq: 27 Jan 2025 10:08

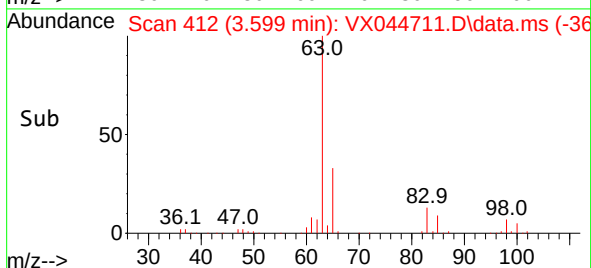
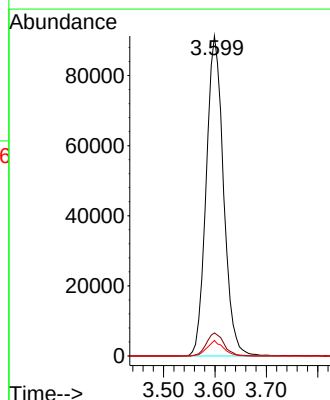
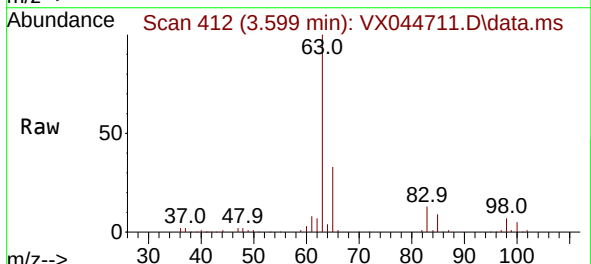
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

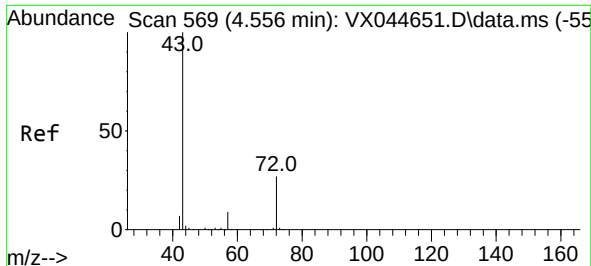
Tgt Ion: 43 Resp: 1630552
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 52.632 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.000 min
 Lab File: VX044711.D
 Acq: 27 Jan 2025 10:08

Tgt Ion: 63 Resp: 213198
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.6 10.9
 100 4.9 2.5 7.5

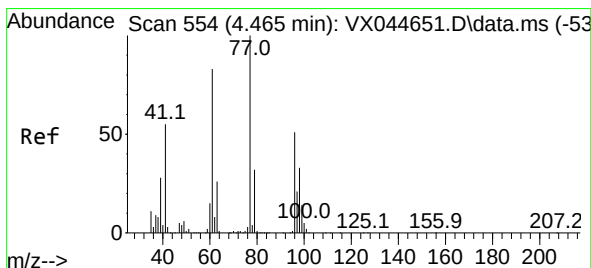
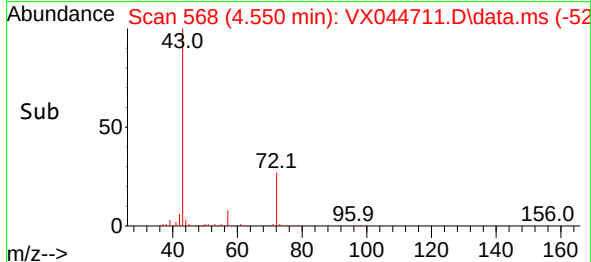
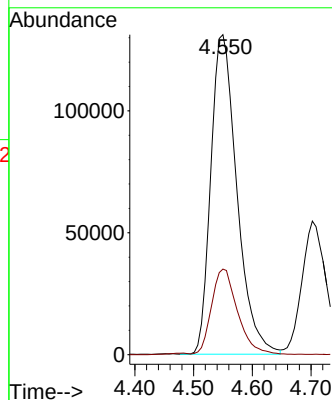
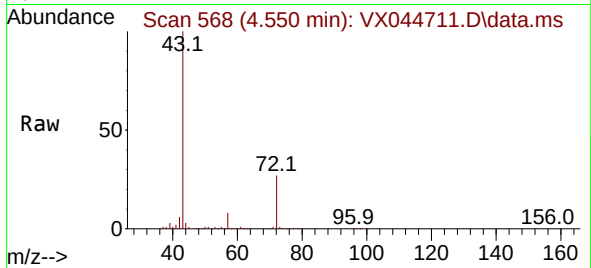




#25
2-Butanone
Concen: 264.600 ug/l
RT: 4.550 min Scan# 569
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

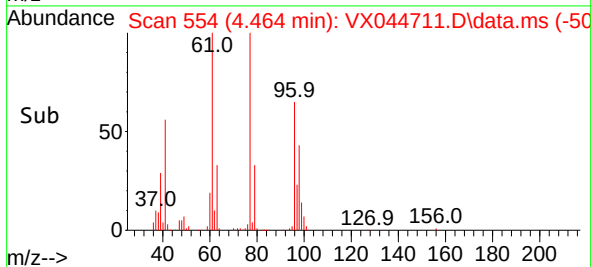
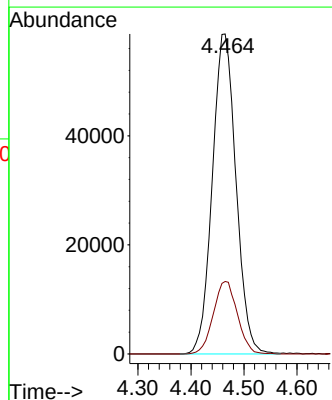
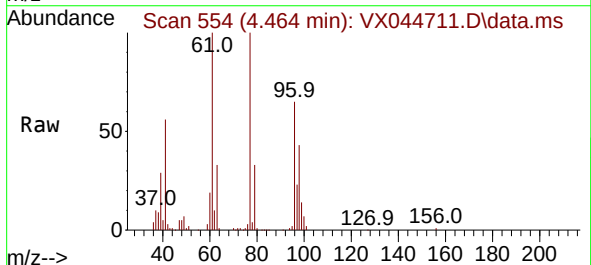
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

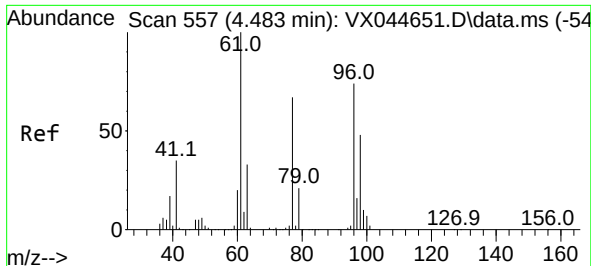
Tgt Ion: 43 Resp: 404966
Ion Ratio Lower Upper
43 100
72 26.5 21.7 32.5



#26
2,2-Dichloropropane
Concen: 46.357 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 77 Resp: 181991
Ion Ratio Lower Upper
77 100
97 23.0 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 51.078 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

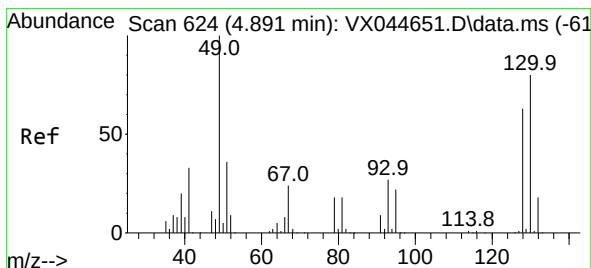
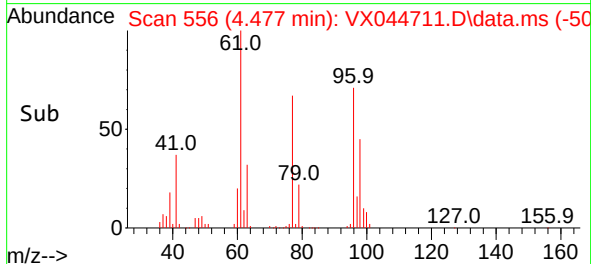
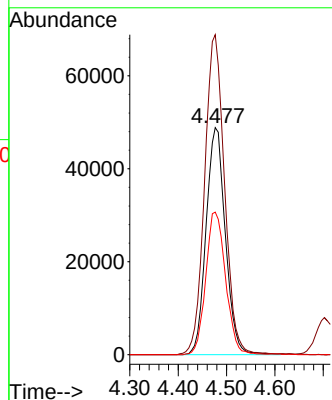
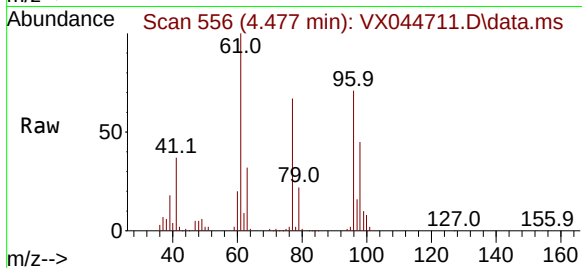
Tgt Ion: 96 Resp: 135384

Ion Ratio Lower Upper

96 100

61 145.8 0.0 296.0

98 64.6 0.0 130.0



#28

Bromochloromethane

Concen: 51.564 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

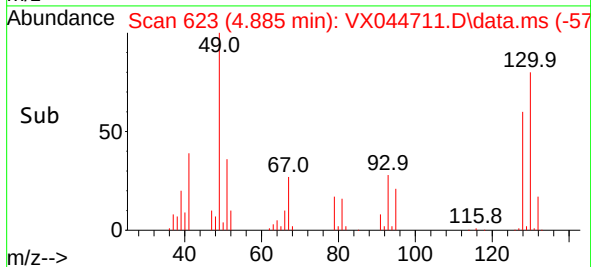
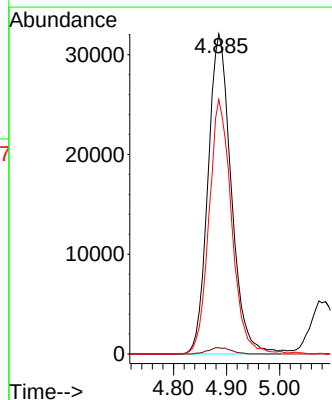
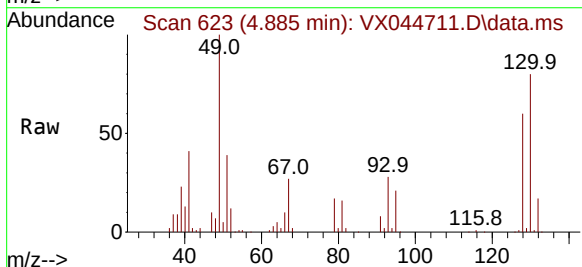
Tgt Ion: 49 Resp: 97603

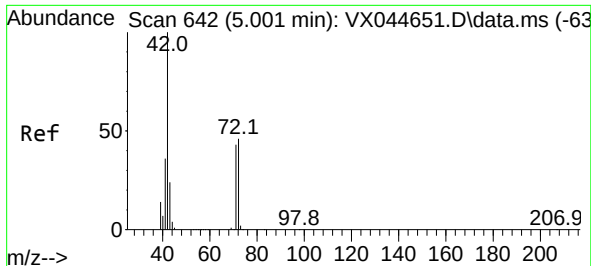
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

130 77.1 63.4 95.2





#29

Tetrahydrofuran

Concen: 263.398 ug/l

RT: 4.995 min Scan# 641

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

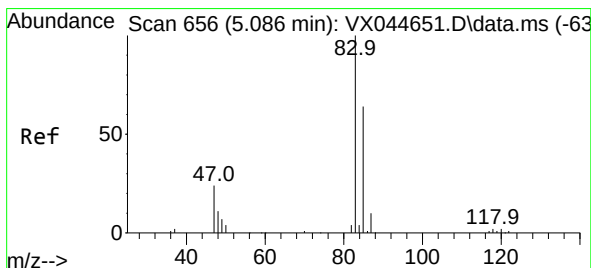
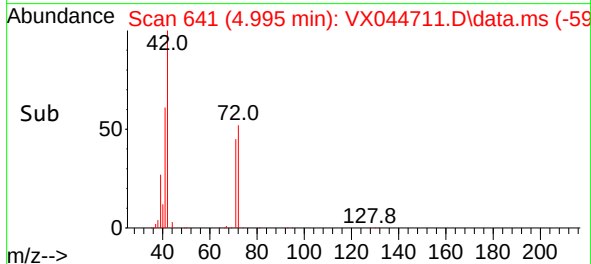
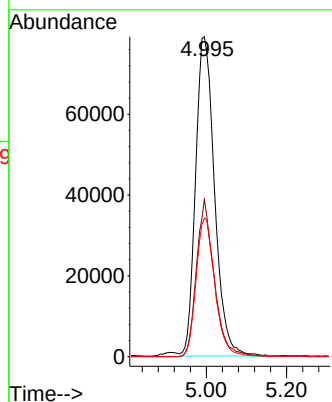
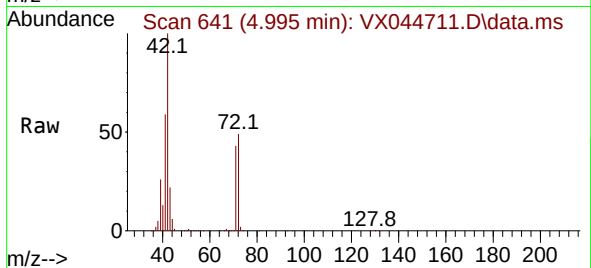
Tgt Ion: 42 Resp: 260029

Ion Ratio Lower Upper

42 100

72 46.1 38.2 57.4

71 43.1 35.3 52.9



#30

Chloroform

Concen: 50.771 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX044711.D

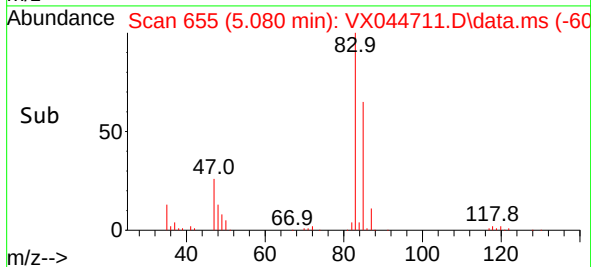
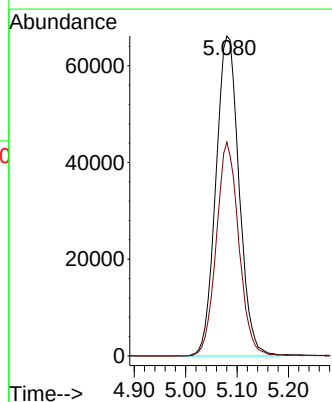
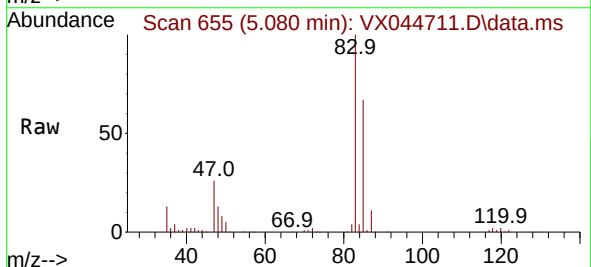
Acq: 27 Jan 2025 10:08

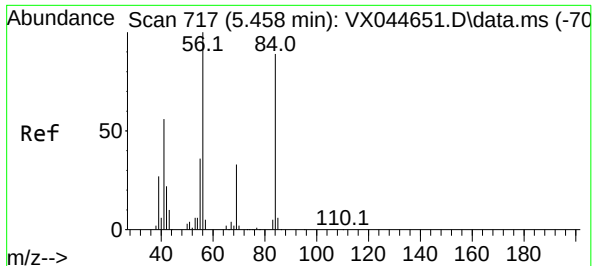
Tgt Ion: 83 Resp: 207551

Ion Ratio Lower Upper

83 100

85 66.8 51.2 76.8

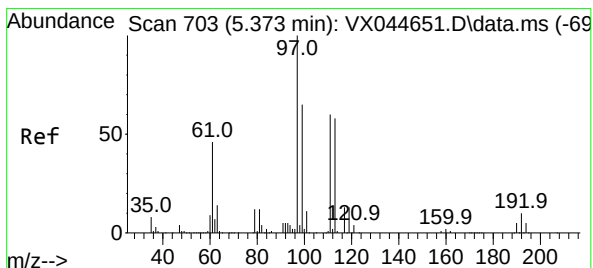
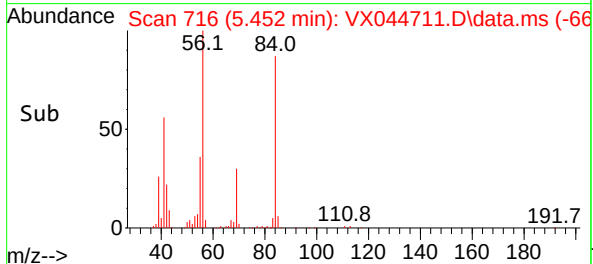
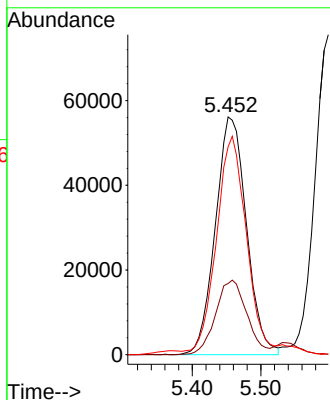
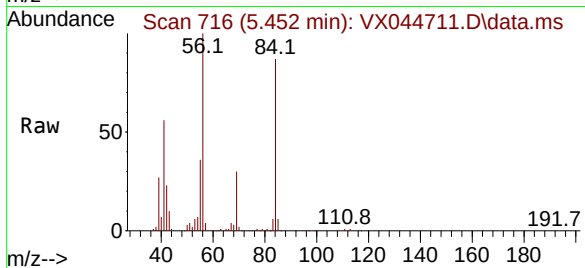




#31
Cyclohexane
Concen: 53.957 ug/l
RT: 5.452 min Scan# 716
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

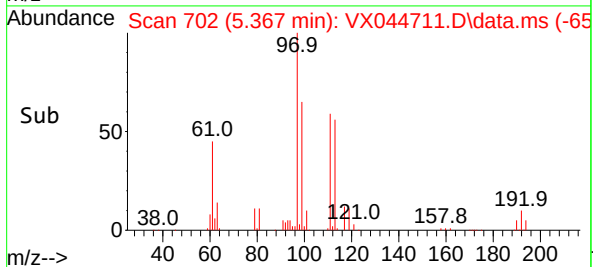
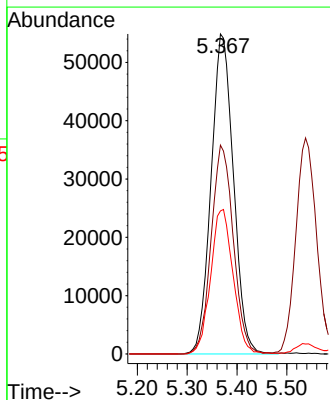
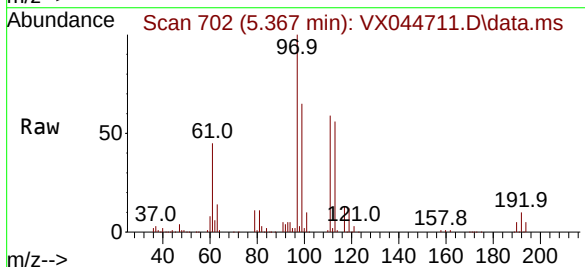
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

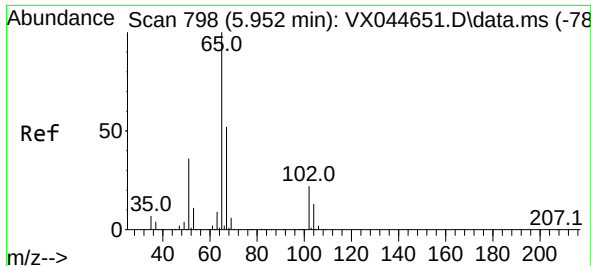
Tgt Ion: 56 Resp: 176773
Ion Ratio Lower Upper
56 100
69 29.8 26.8 40.2
84 85.8 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 45.490 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 97 Resp: 170957
Ion Ratio Lower Upper
97 100
99 64.7 51.6 77.4
61 45.5 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 47.336 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

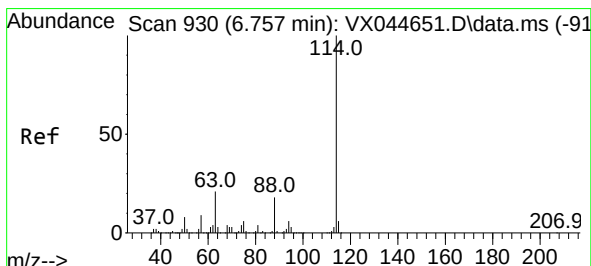
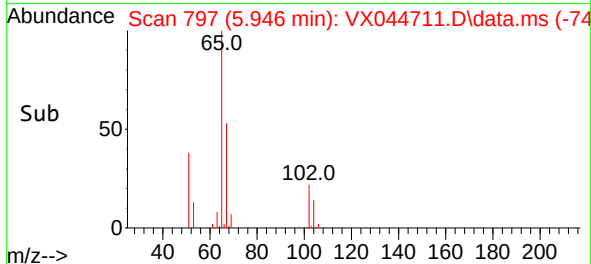
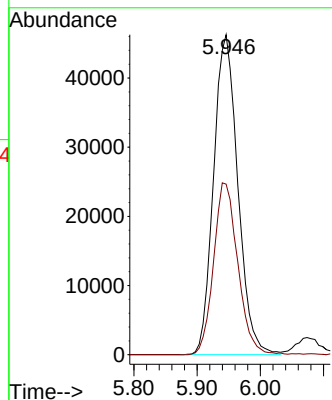
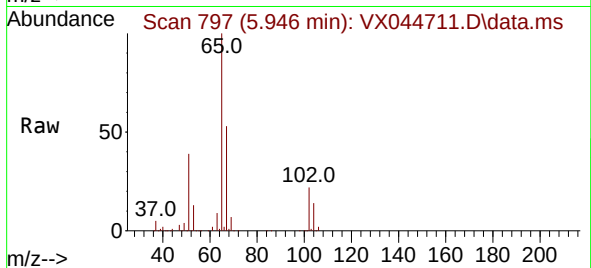
VSTDCCC050

Tgt Ion: 65 Resp: 123157

Ion Ratio Lower Upper

65 100

67 53.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

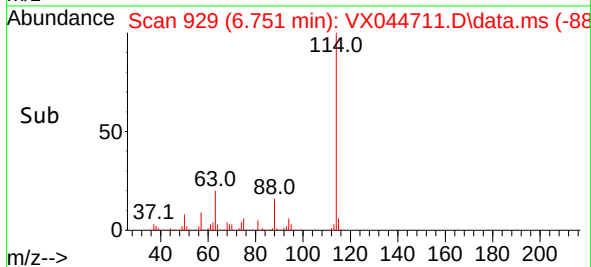
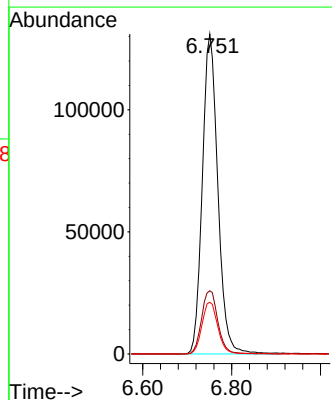
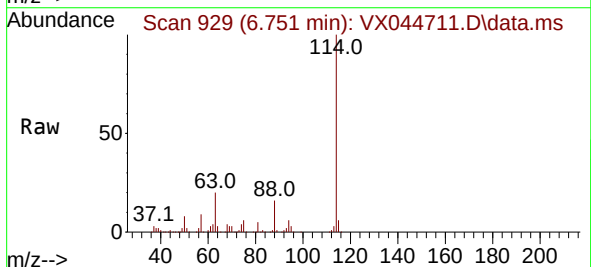
Tgt Ion: 114 Resp: 318376

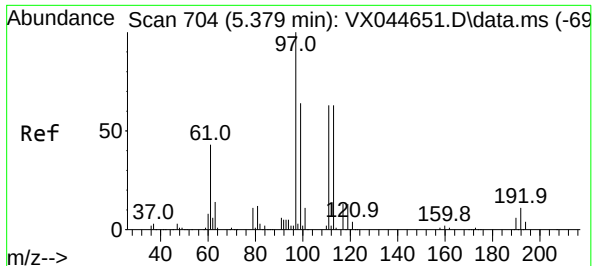
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.0

88 16.2 0.0 35.4





#35

Dibromofluoromethane

Concen: 49.831 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

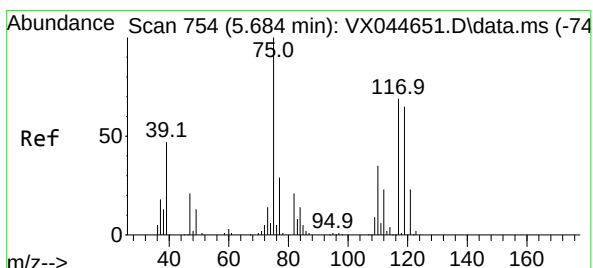
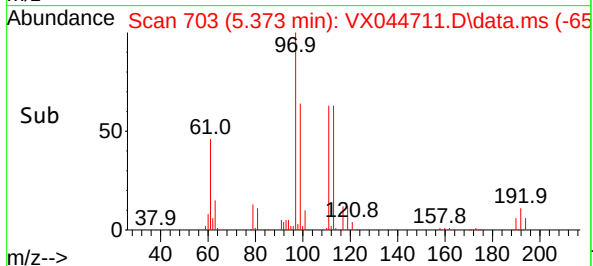
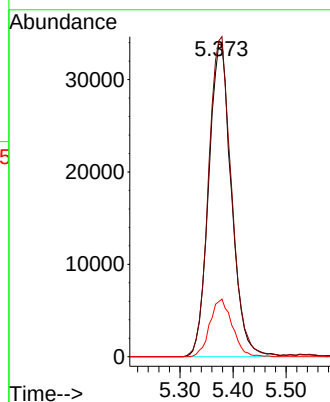
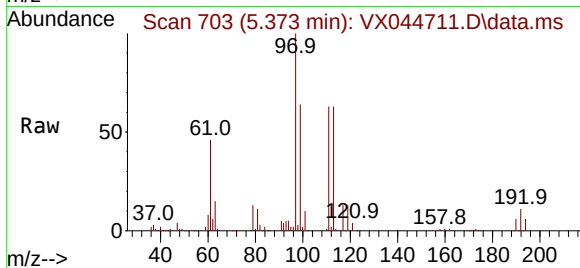
Tgt Ion:113 Resp: 100788

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

192 18.1 14.4 21.6



#36

1,1-Dichloropropene

Concen: 48.940 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

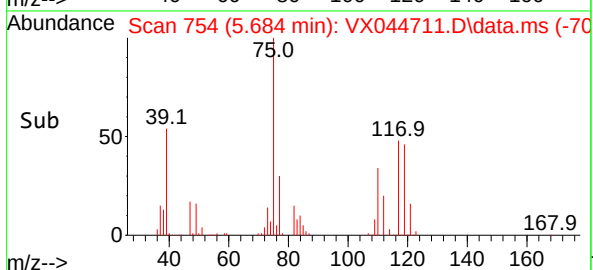
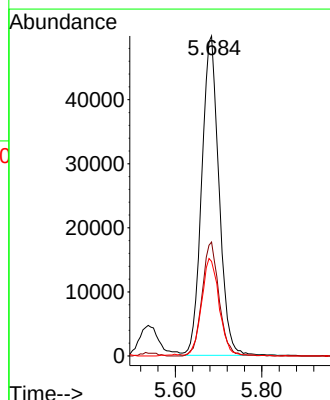
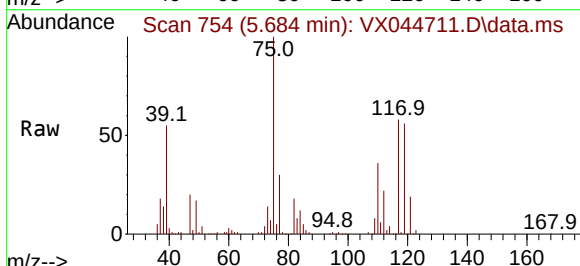
Tgt Ion: 75 Resp: 137792

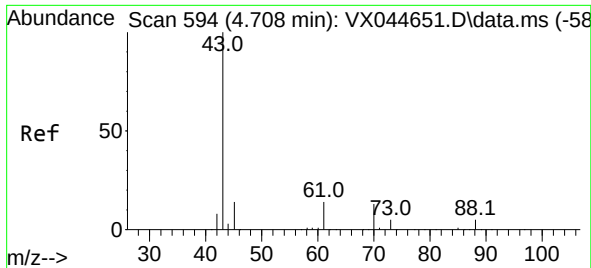
Ion Ratio Lower Upper

75 100

110 35.1 17.9 53.8

77 31.0 24.5 36.7

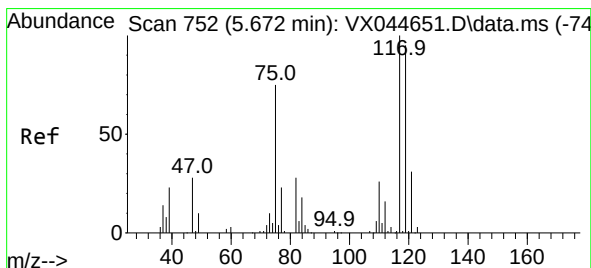
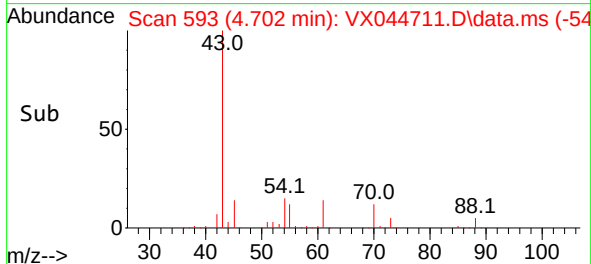
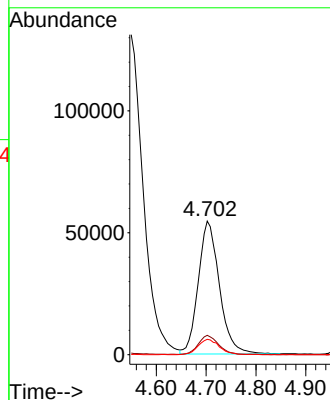
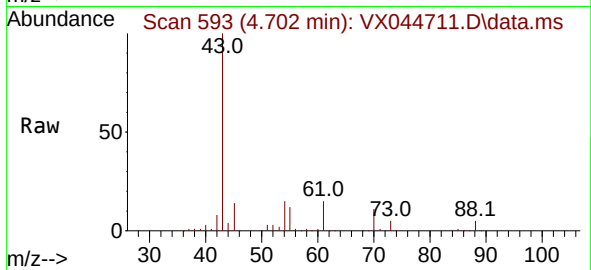




#37
Ethyl Acetate
Concen: 53.669 ug/l
RT: 4.702 min Scan# 594
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

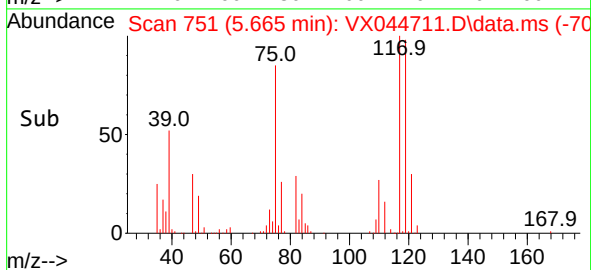
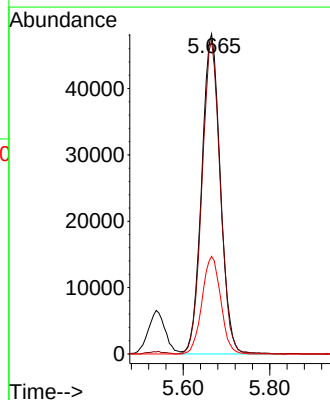
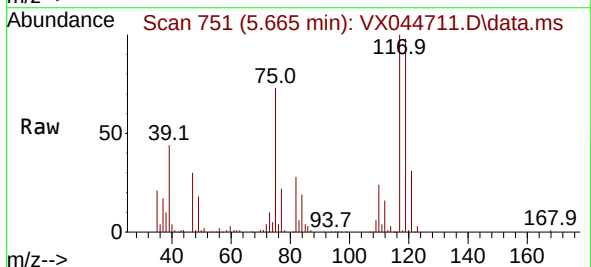
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

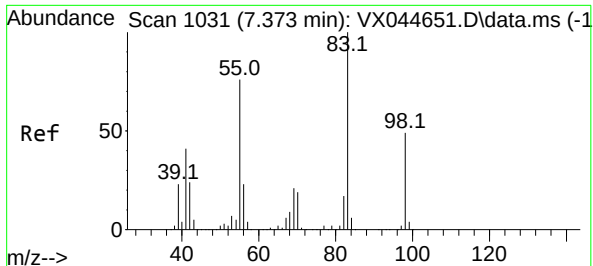
Tgt Ion: 43 Resp: 160916
Ion Ratio Lower Upper
43 100
61 13.5 10.9 16.3
70 11.7 10.1 15.1



#38
Carbon Tetrachloride
Concen: 45.521 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 117 Resp: 144163
Ion Ratio Lower Upper
117 100
119 97.9 76.0 114.0
121 30.5 24.6 36.8





#39

Methylcyclohexane

Concen: 51.179 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

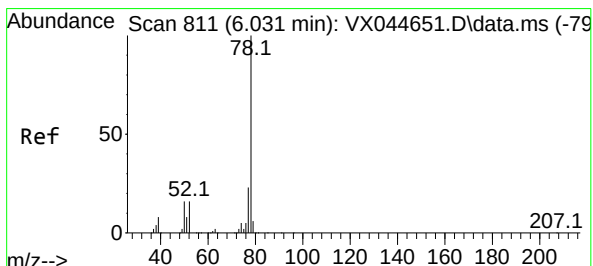
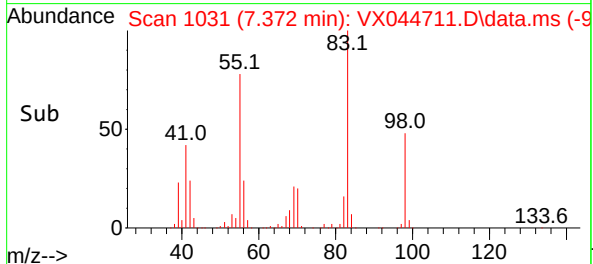
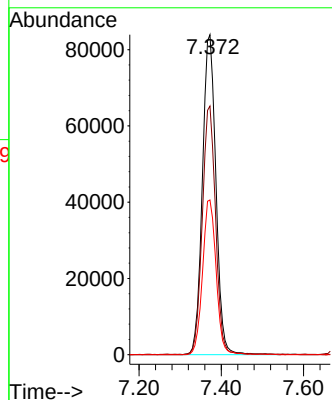
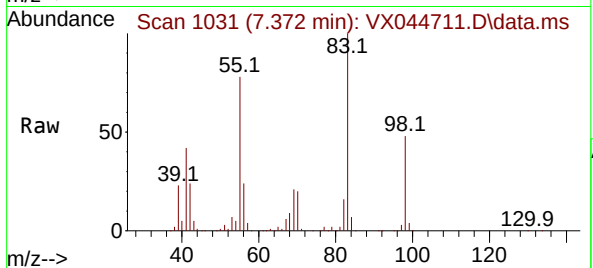
Tgt Ion: 83 Resp: 191285

Ion Ratio Lower Upper

83 100

55 77.6 60.5 90.7

98 48.4 39.0 58.4



#40

Benzene

Concen: 51.868 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX044711.D

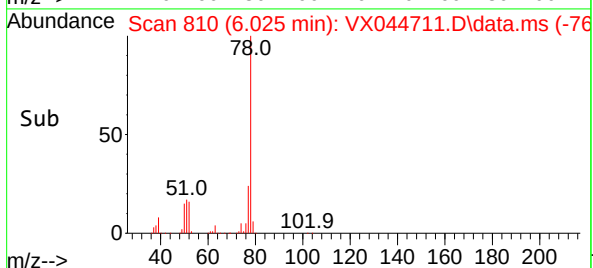
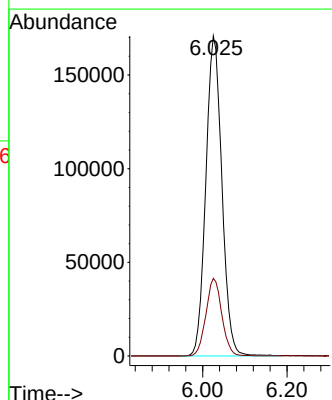
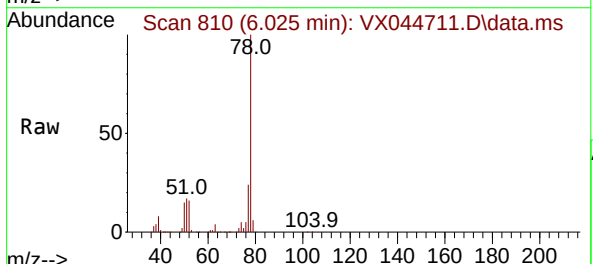
Acq: 27 Jan 2025 10:08

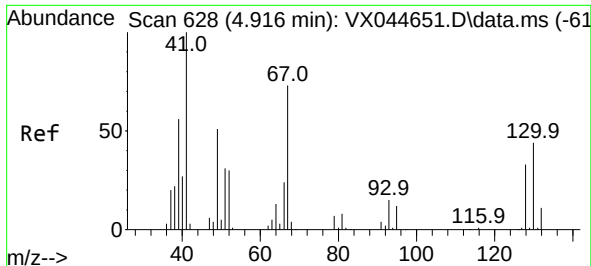
Tgt Ion: 78 Resp: 452521

Ion Ratio Lower Upper

78 100

77 24.3 18.7 28.1

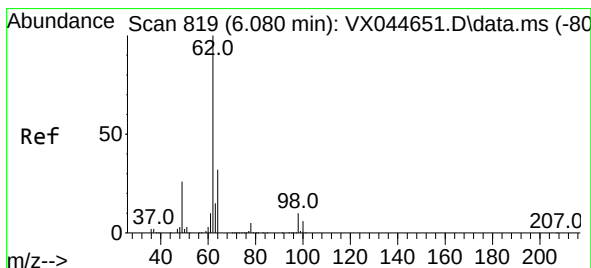
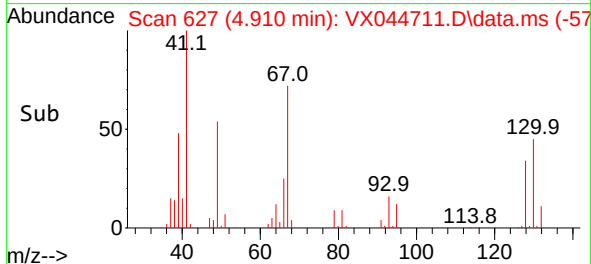
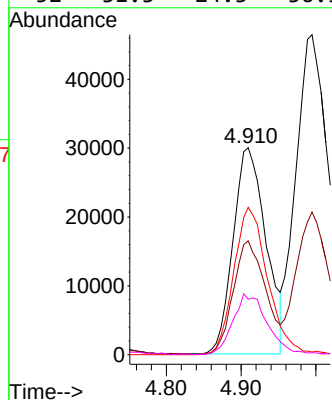
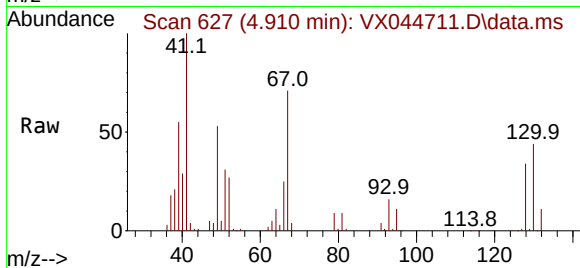




#41
Methacrylonitrile
Concen: 52.289 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

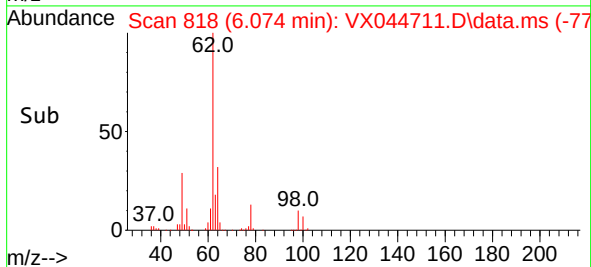
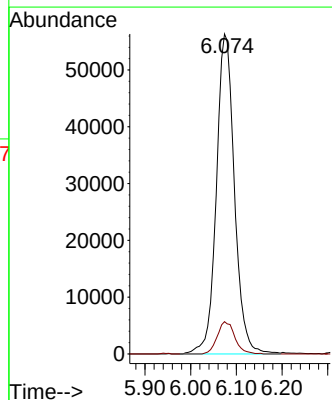
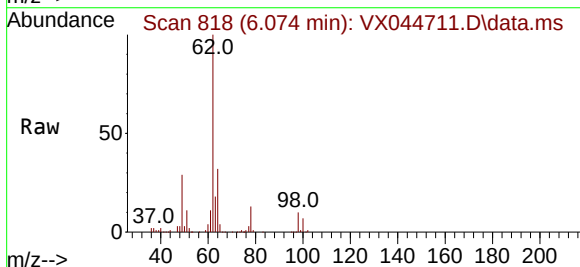
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

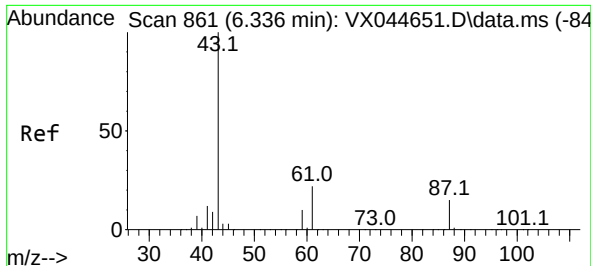
Tgt Ion:	41	Resp:	91356
Ion	Ratio	Lower	Upper
41	100		
39	53.9	44.4	66.6
67	74.1	60.6	90.8
52	31.3	24.3	36.5



#42
1,2-Dichloroethane
Concen: 48.725 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:	62	Resp:	155155
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4

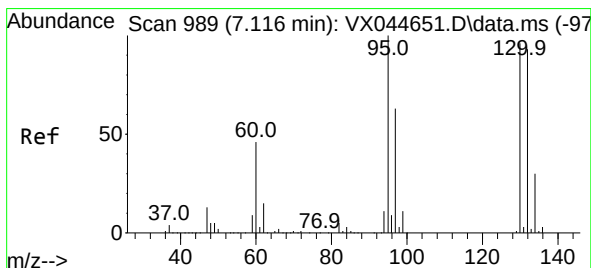
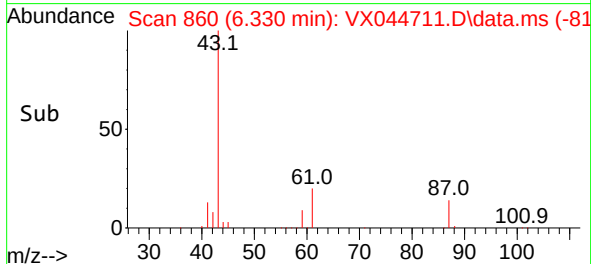
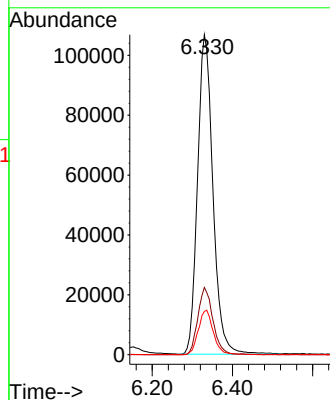
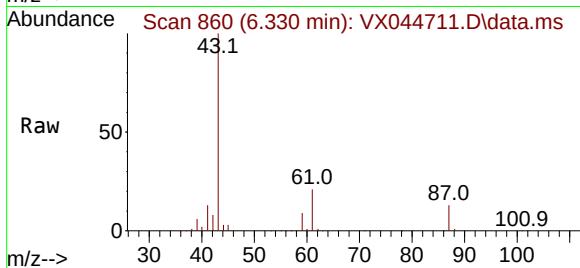




#43
Isopropyl Acetate
Concen: 51.667 ug/l
RT: 6.330 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

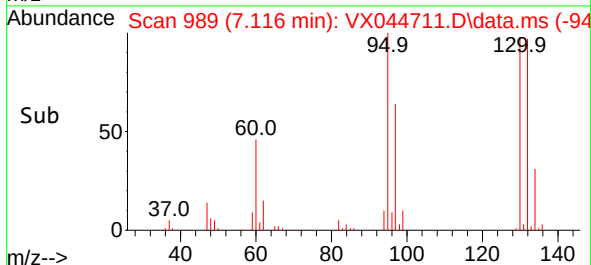
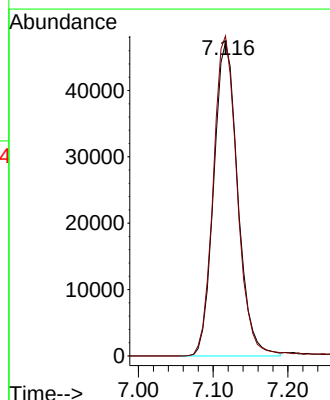
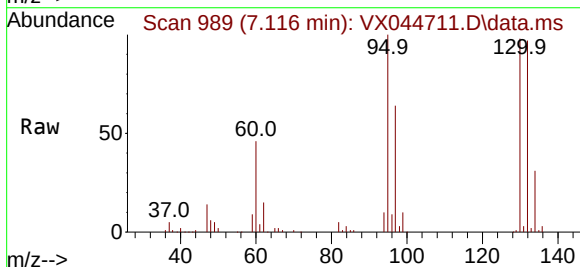
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

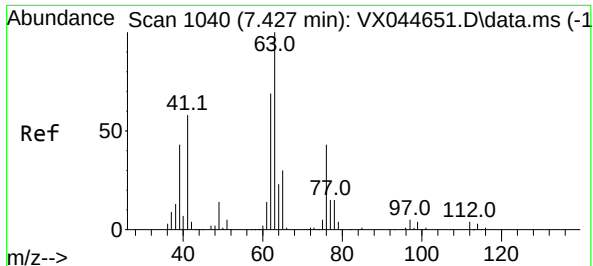
Tgt Ion: 43 Resp: 284981
Ion Ratio Lower Upper
43 100
61 20.5 16.6 24.8
87 13.6 11.0 16.6



#44
Trichloroethene
Concen: 50.413 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:130 Resp: 105738
Ion Ratio Lower Upper
130 100
95 102.1 0.0 208.2





#45

1,2-Dichloropropane

Concen: 53.245 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

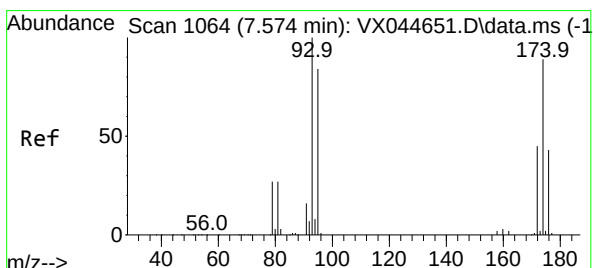
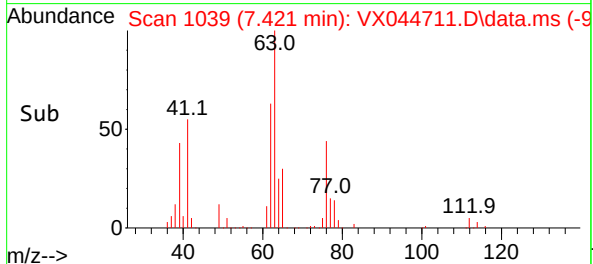
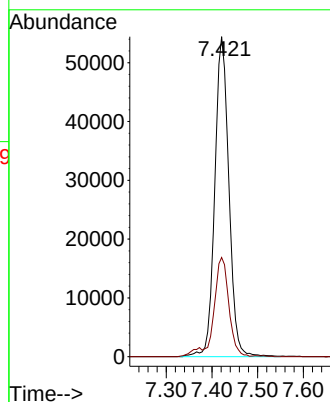
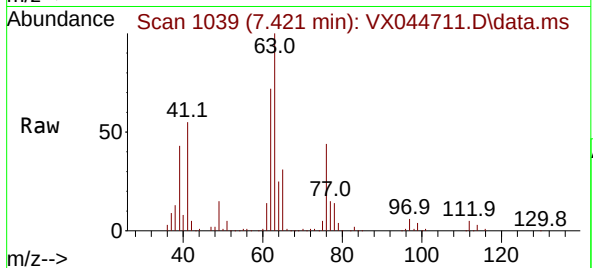
VSTDCCC050

Tgt Ion: 63 Resp: 116931

Ion Ratio Lower Upper

63 100

65 31.0 24.2 36.2



#46

Dibromomethane

Concen: 50.244 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

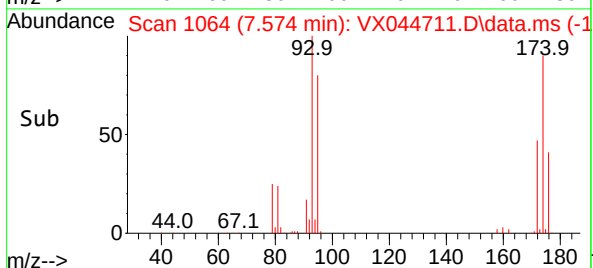
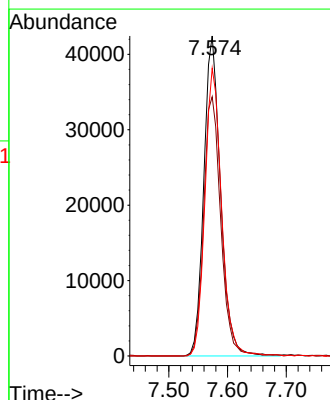
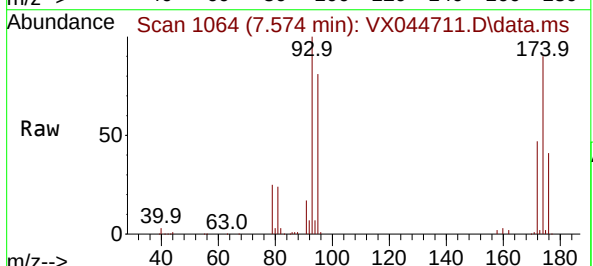
Tgt Ion: 93 Resp: 83999

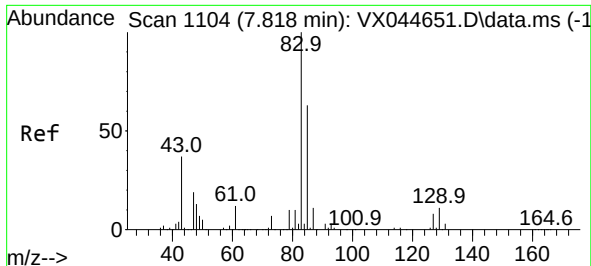
Ion Ratio Lower Upper

93 100

95 82.8 66.4 99.6

174 89.7 72.0 108.0

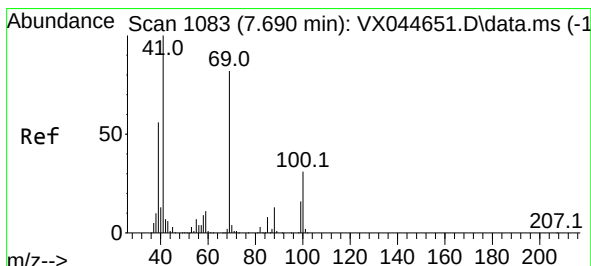
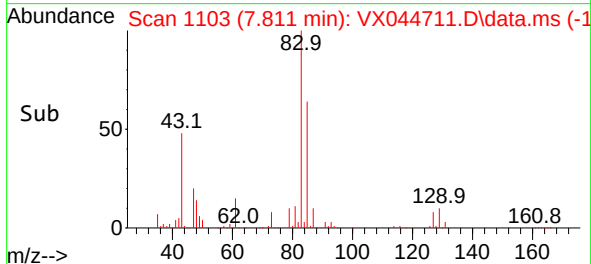
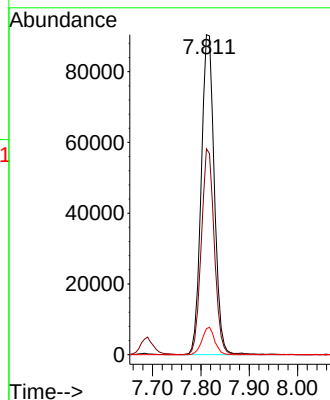
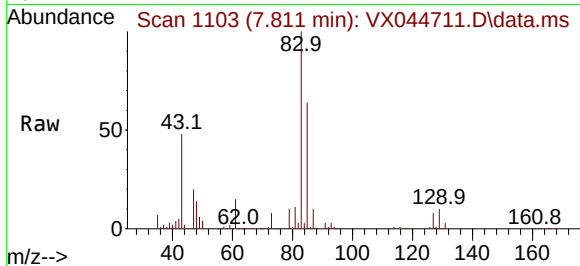




#47
Bromodichloromethane
Concen: 49.656 ug/l
RT: 7.811 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

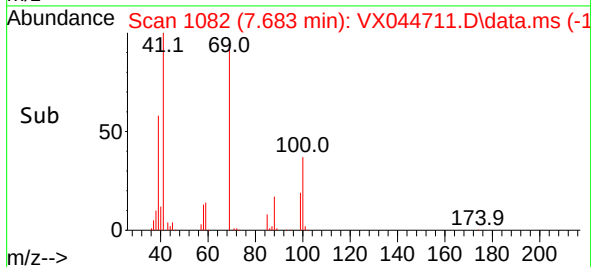
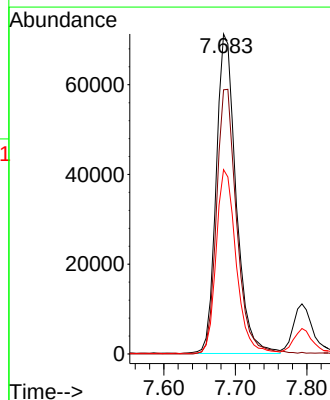
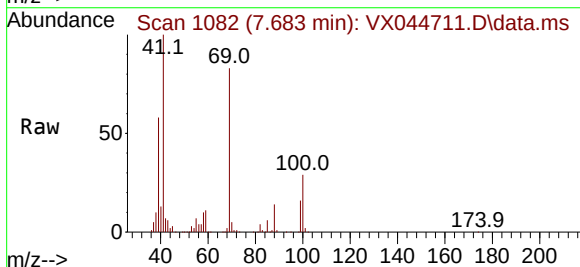
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

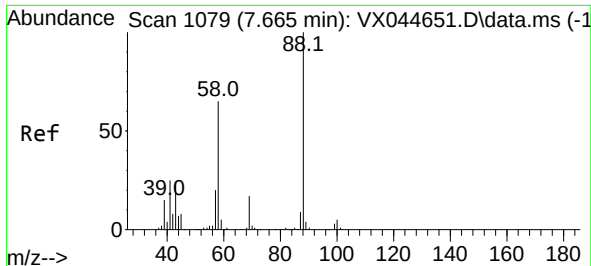
Tgt Ion: 83 Resp: 170245
Ion Ratio Lower Upper
83 100
85 64.2 50.1 75.1
127 8.1 6.5 9.7



#48
Methyl methacrylate
Concen: 53.829 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 41 Resp: 137818
Ion Ratio Lower Upper
41 100
69 84.1 66.8 100.2
39 58.0 47.4 71.0

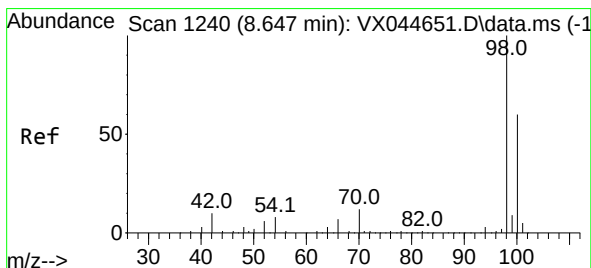
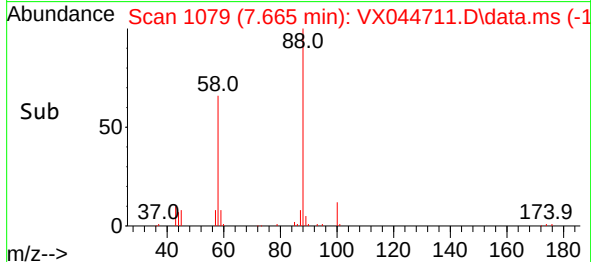
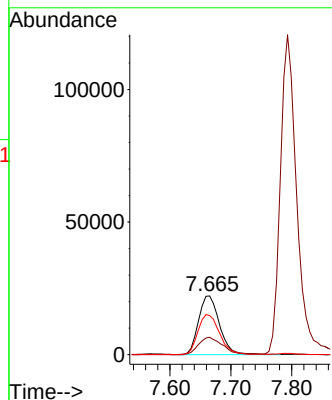
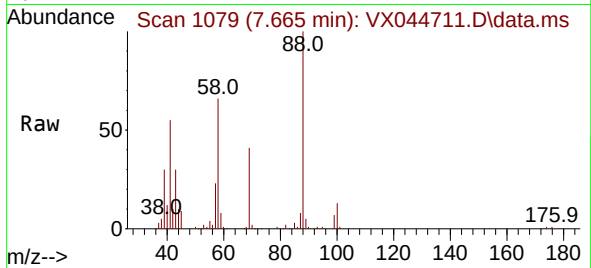




#49
1,4-Dioxane
Concen: 991.841 ug/l
RT: 7.665 min Scan# 110
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

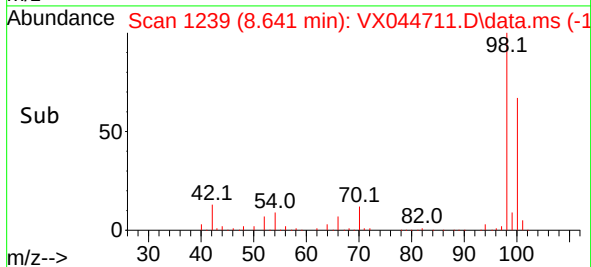
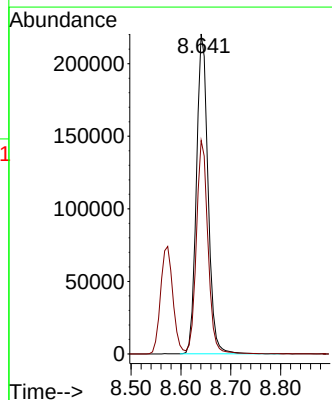
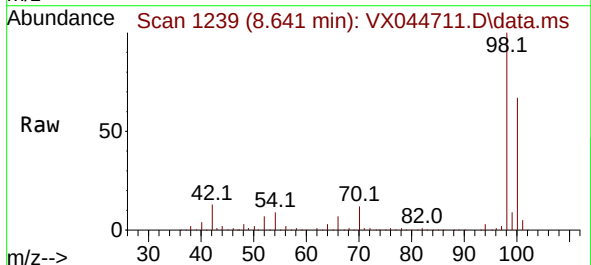
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

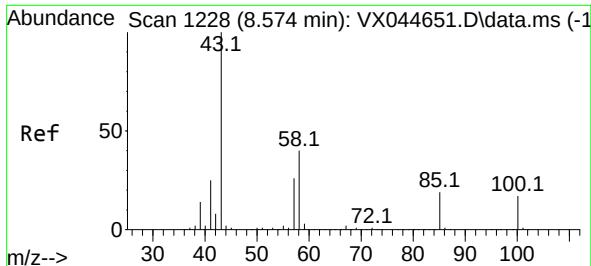
Tgt Ion: 88 Resp: 52981
Ion Ratio Lower Upper
88 100
43 33.2 27.0 40.4
58 70.3 55.8 83.8



#50
Toluene-d8
Concen: 50.477 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 98 Resp: 355984
Ion Ratio Lower Upper
98 100
100 66.4 53.2 79.8

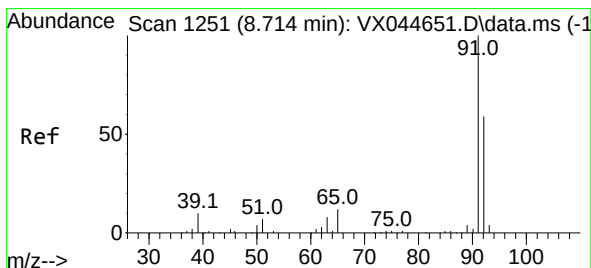
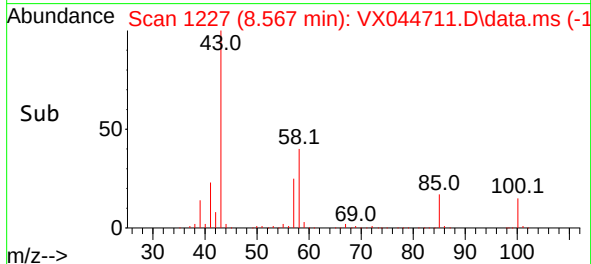
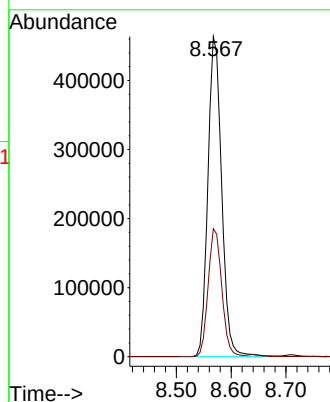
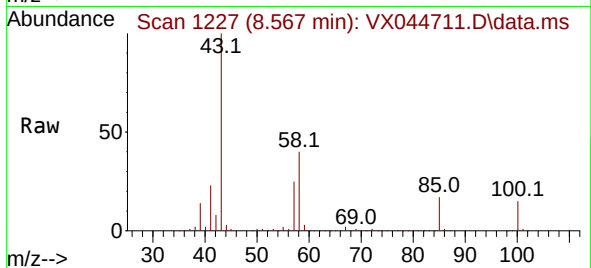




#51
4-Methyl-2-Pentanone
Concen: 264.229 ug/l
RT: 8.567 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

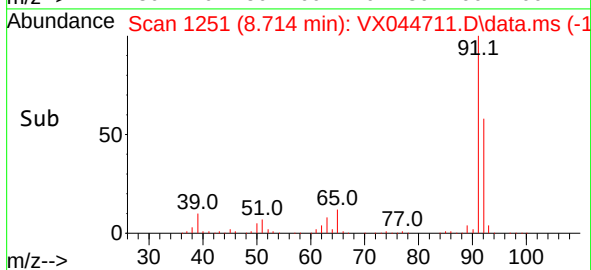
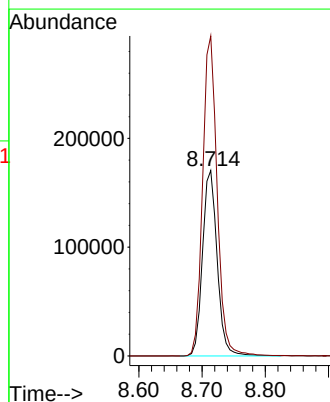
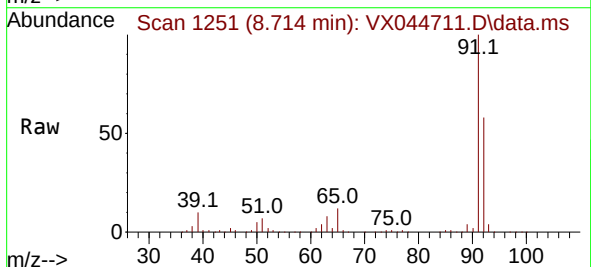
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

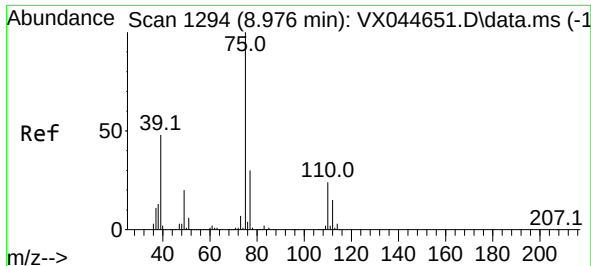
Tgt Ion: 43 Resp: 805406
Ion Ratio Lower Upper
43 100
58 39.7 31.9 47.9



#52
Toluene
Concen: 51.531 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 92 Resp: 275176
Ion Ratio Lower Upper
92 100
91 170.9 135.7 203.5

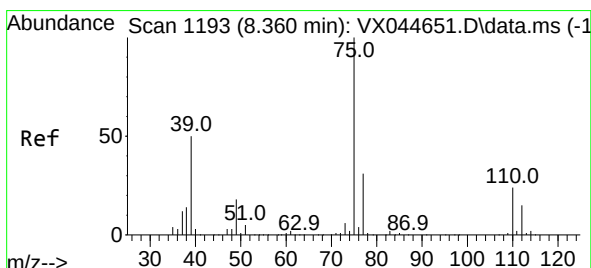
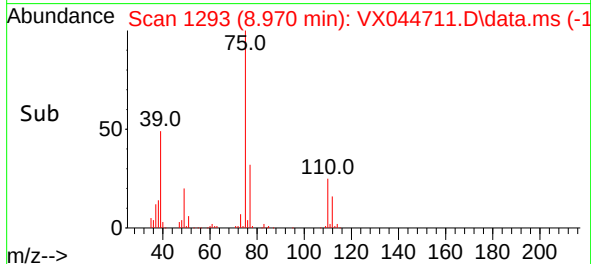
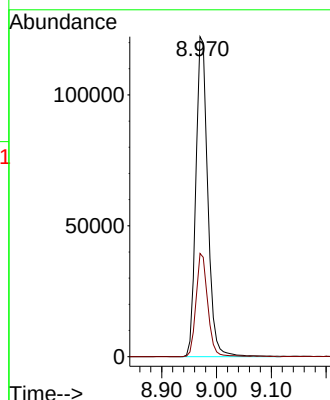
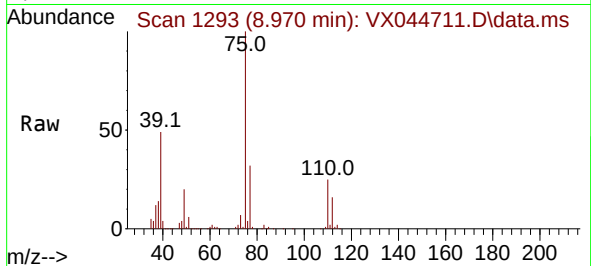




#53
t-1,3-Dichloropropene
Concen: 52.351 ug/l
RT: 8.970 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

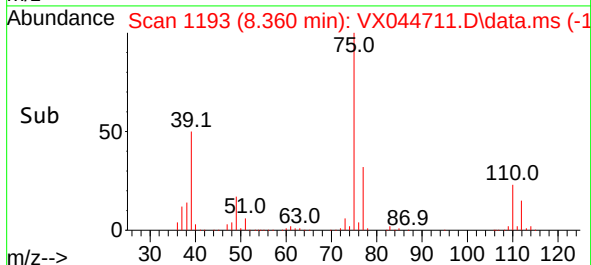
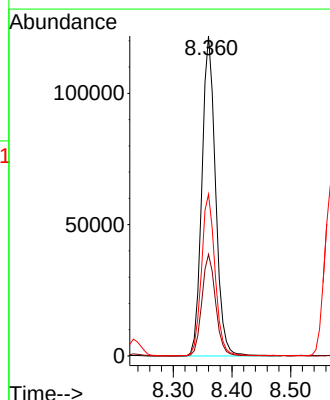
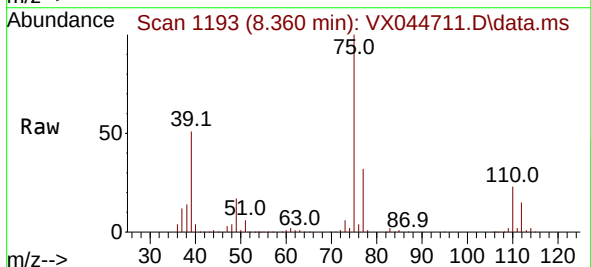
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

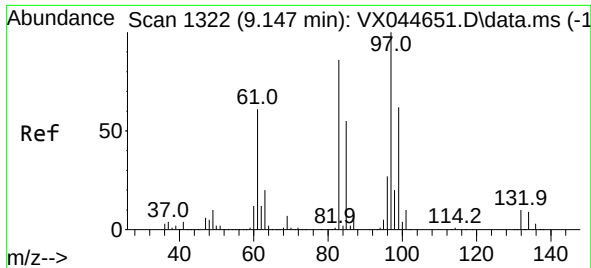
Tgt Ion: 75 Resp: 185440
Ion Ratio Lower Upper
75 100
77 32.2 24.4 36.6



#54
cis-1,3-Dichloropropene
Concen: 51.254 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 75 Resp: 196861
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7
39 50.5 40.3 60.5



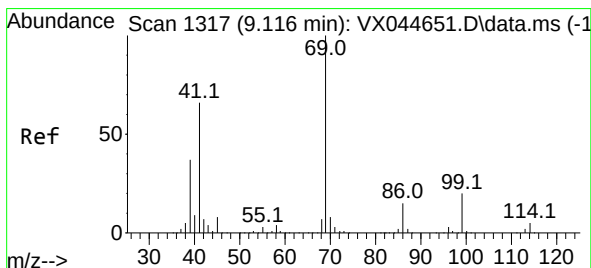
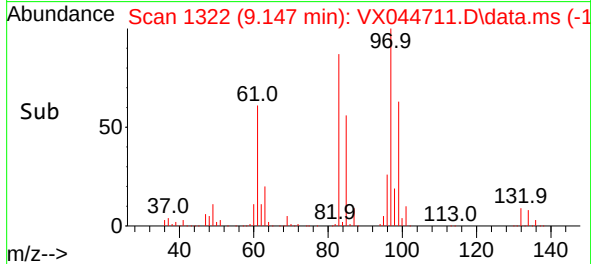
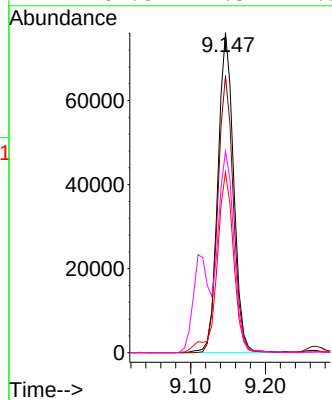
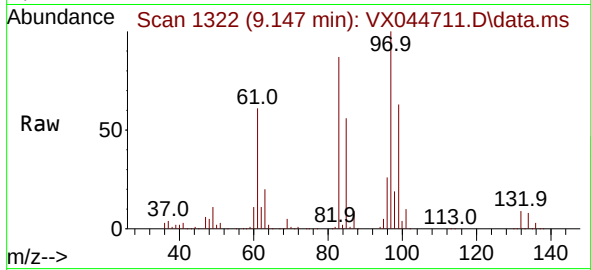


#55
 1,1,2-Trichloroethane
 Concen: 51.785 ug/l
 RT: 9.147 min Scan# 1118
 Delta R.T. -0.000 min
 Lab File: VX044711.D
 Acq: 27 Jan 2025 10:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 111881

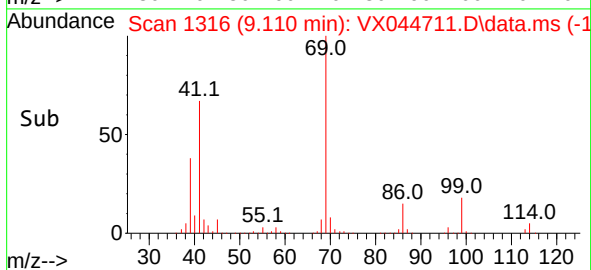
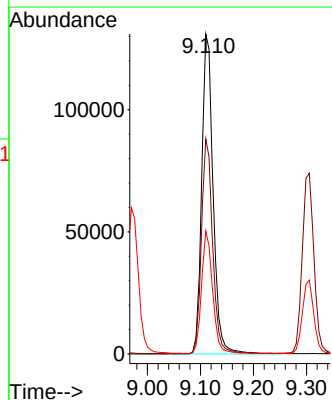
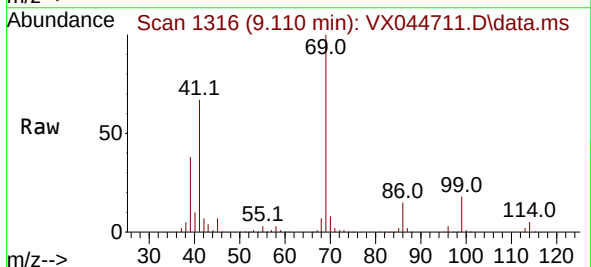
Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.8	103.2
85	56.3	43.7	65.5
99	62.8	49.5	74.3

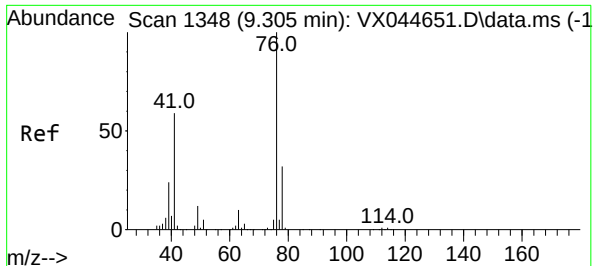


#56
 Ethyl methacrylate
 Concen: 52.829 ug/l
 RT: 9.110 min Scan# 1316
 Delta R.T. -0.006 min
 Lab File: VX044711.D
 Acq: 27 Jan 2025 10:08

Tgt Ion: 69 Resp: 196250

Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.2	79.8
39	37.4	30.2	45.2





#57

1,3-Dichloropropane

Concen: 52.726 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

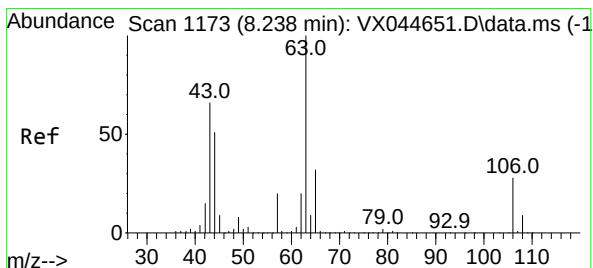
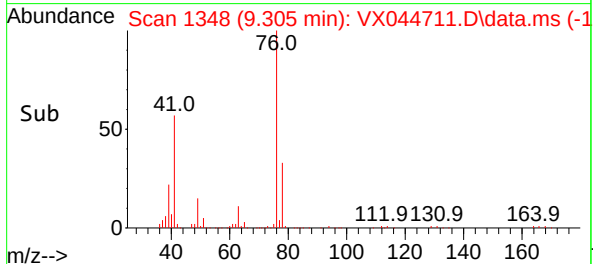
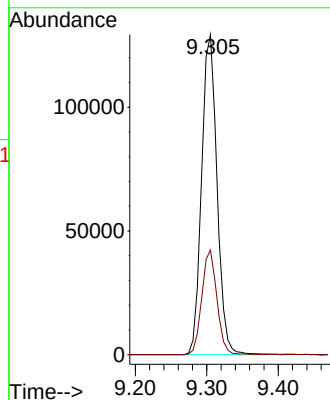
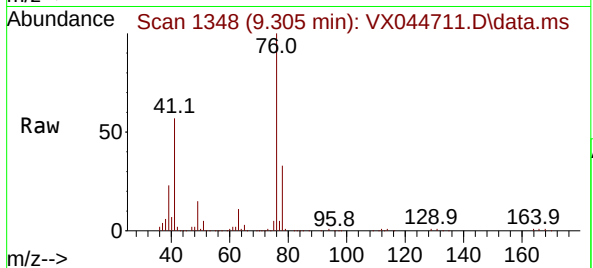
VSTDCCC050

Tgt Ion: 76 Resp: 193983

Ion Ratio Lower Upper

76 100

78 31.9 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 247.155 ug/l

RT: 8.232 min Scan# 1172

Delta R.T. -0.006 min

Lab File: VX044711.D

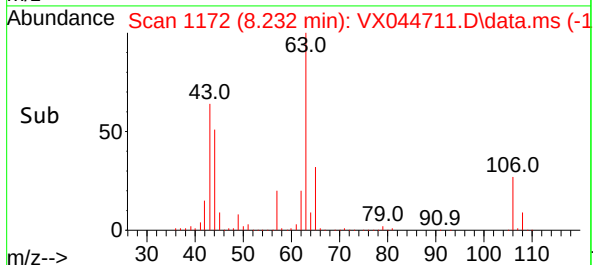
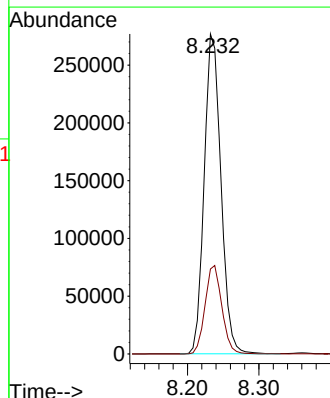
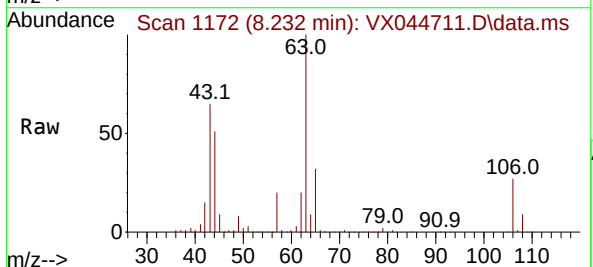
Acq: 27 Jan 2025 10:08

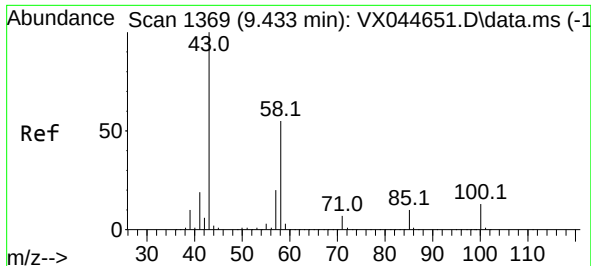
Tgt Ion: 63 Resp: 450749

Ion Ratio Lower Upper

63 100

106 27.8 23.0 34.6

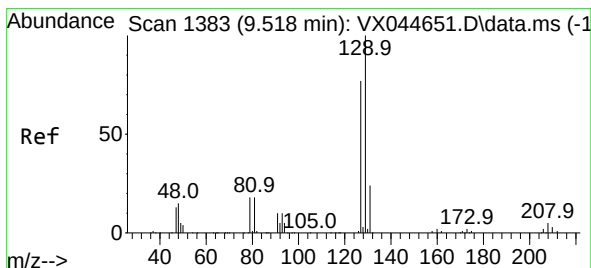
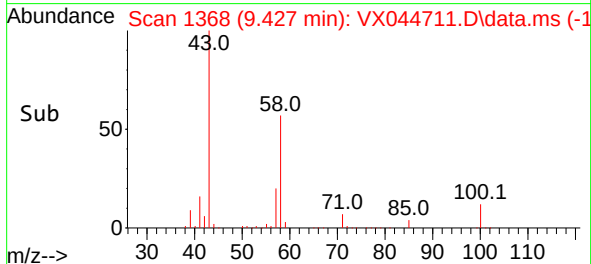
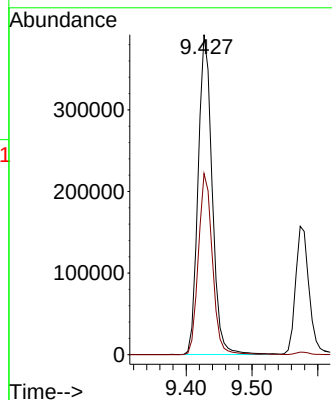
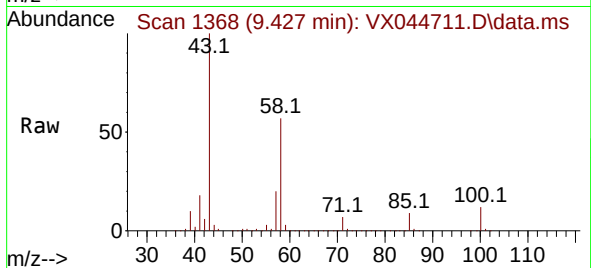




#59
2-Hexanone
Concen: 258.046 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

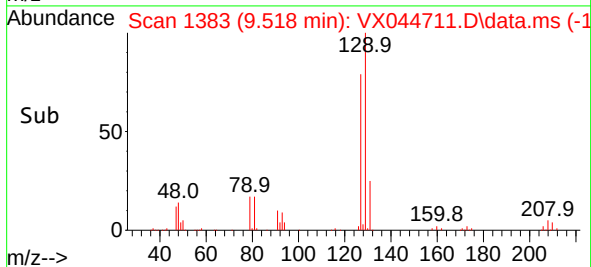
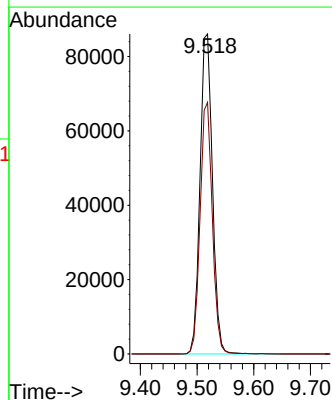
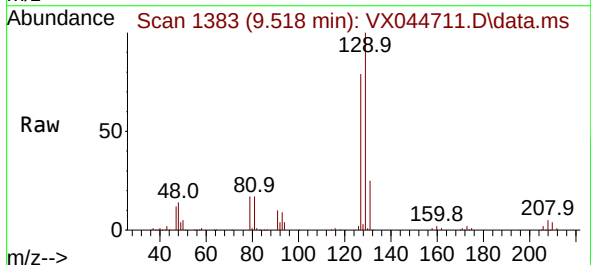
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

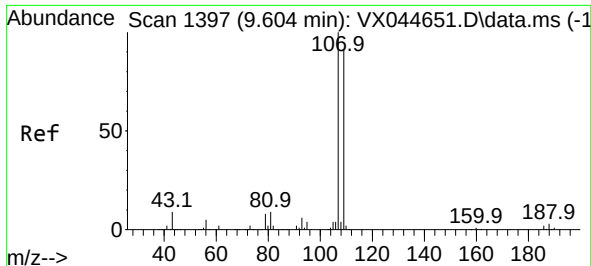
Tgt Ion: 43 Resp: 578675
Ion Ratio Lower Upper
43 100
58 56.5 27.8 83.3



#60
Dibromochloromethane
Concen: 51.638 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:129 Resp: 130942
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5

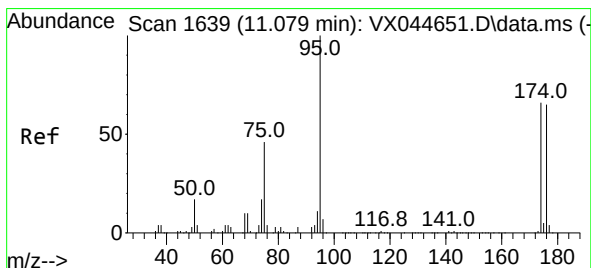
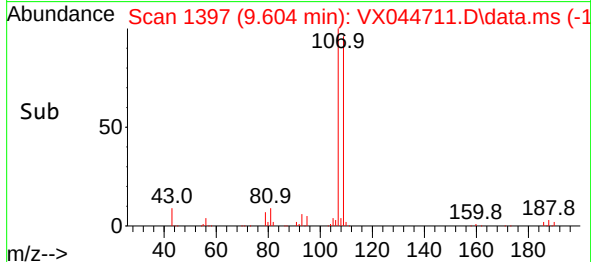
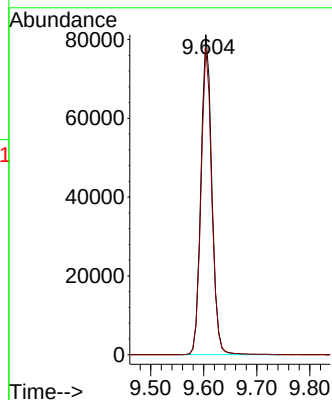
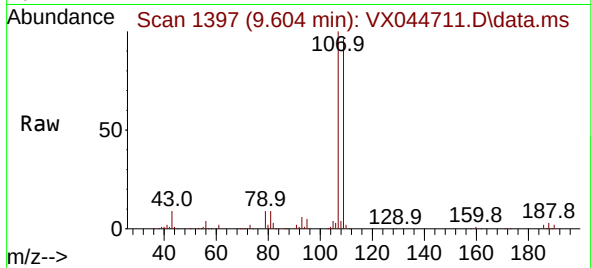




#61
1,2-Dibromoethane
Concen: 51.277 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

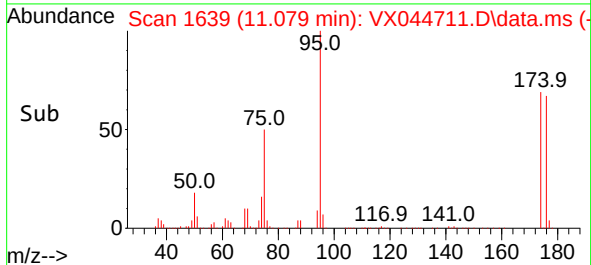
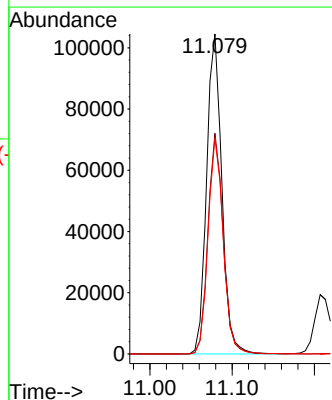
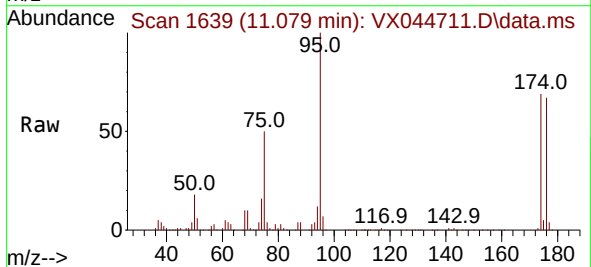
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

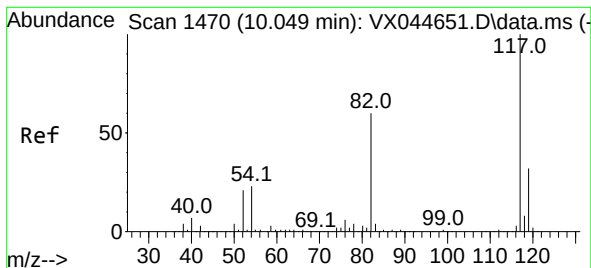
Tgt Ion:107 Resp: 116099
Ion Ratio Lower Upper
107 100
109 94.9 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 51.142 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 95 Resp: 134456
Ion Ratio Lower Upper
95 100
174 69.0 0.0 133.0
176 67.1 0.0 129.4

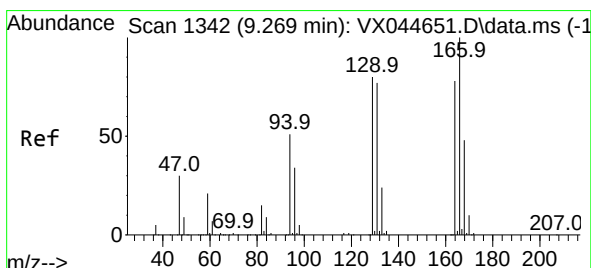
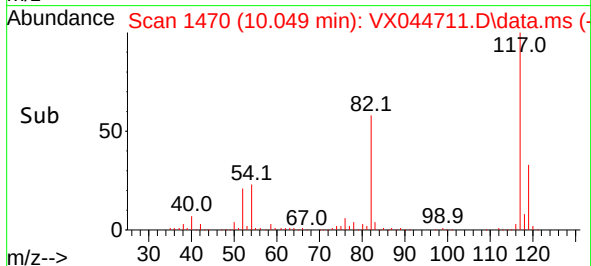
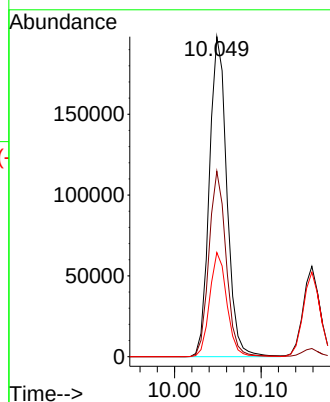
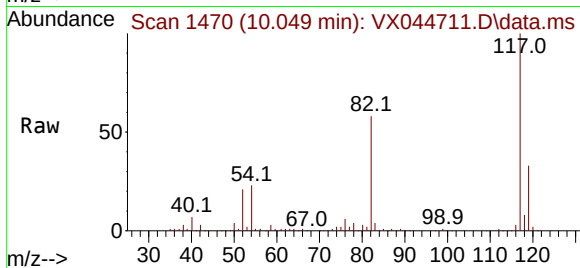




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

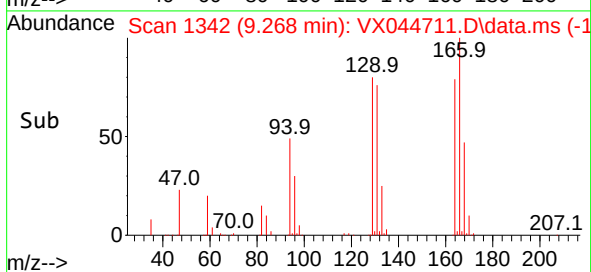
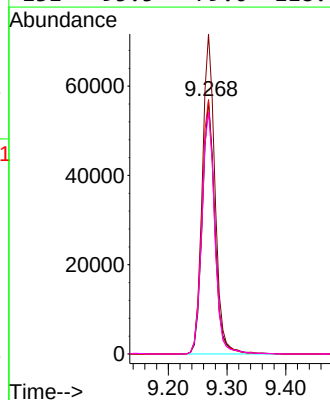
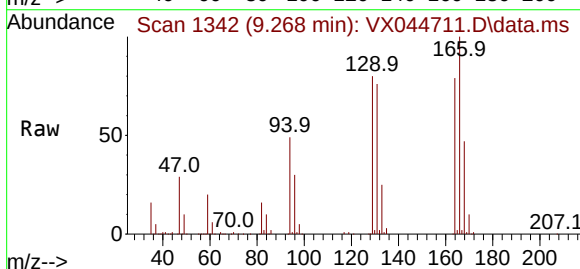
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

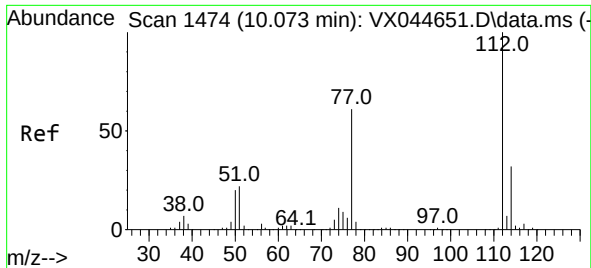
Tgt Ion:117 Resp: 277935
Ion Ratio Lower Upper
117 100
82 57.9 47.6 71.4
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 48.623 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:164 Resp: 84859
Ion Ratio Lower Upper
164 100
166 126.3 102.0 153.0
129 100.4 81.1 121.7
131 95.5 79.0 118.6

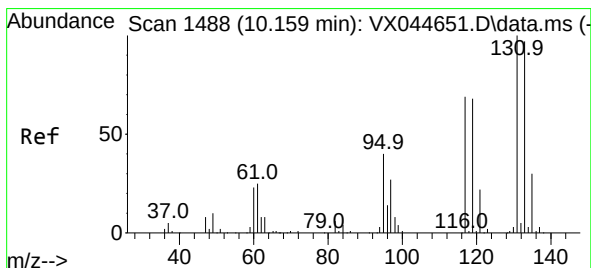
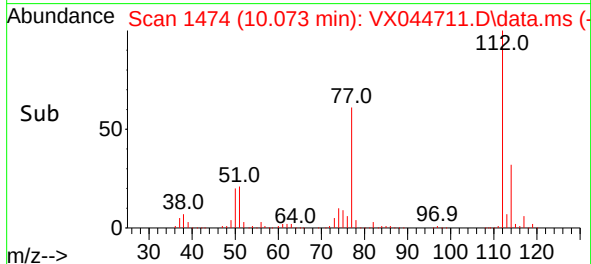
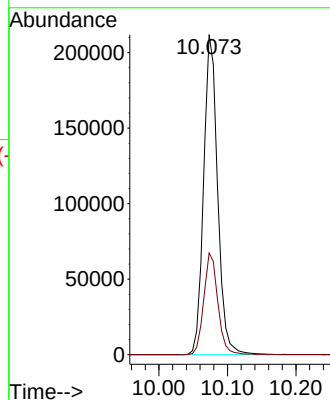
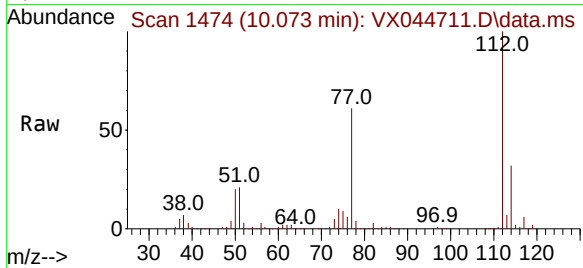




#65
Chlorobenzene
Concen: 51.069 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

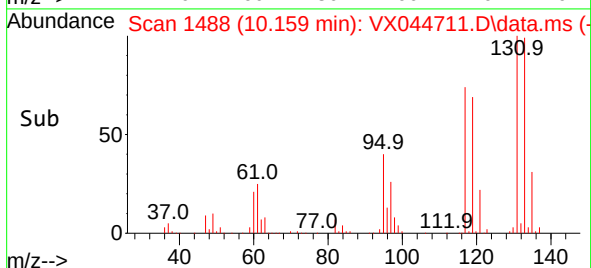
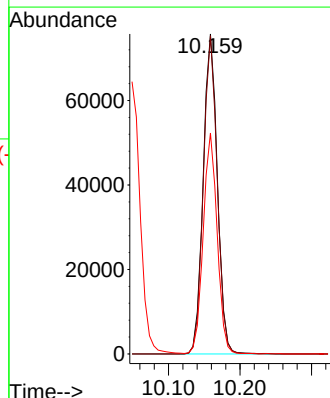
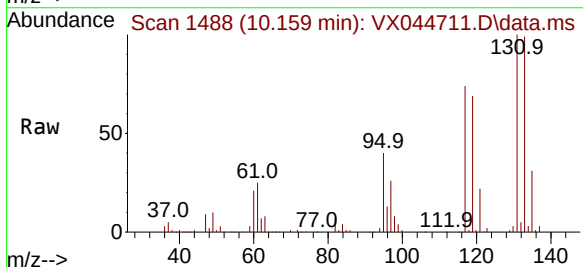
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

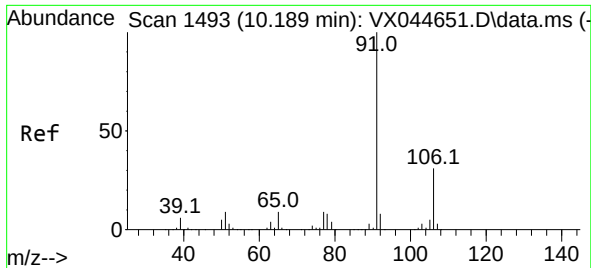
Tgt Ion:112 Resp: 301484
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 48.599 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:131 Resp: 104268
Ion Ratio Lower Upper
131 100
133 97.3 47.8 143.3
119 68.2 33.4 100.2

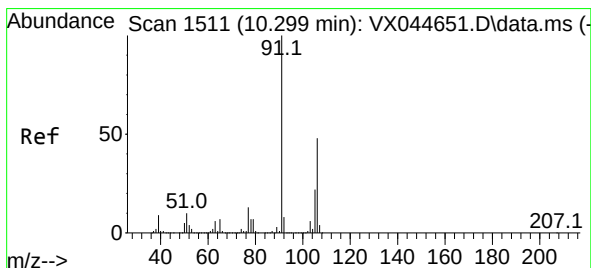
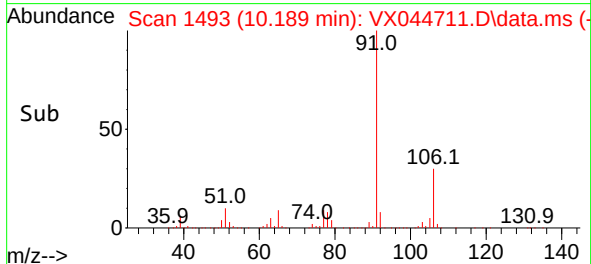
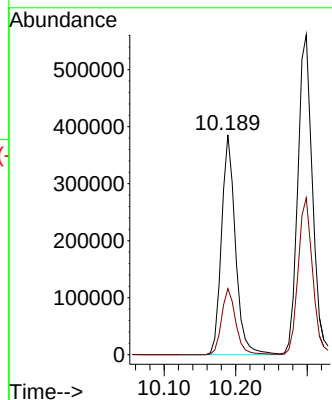
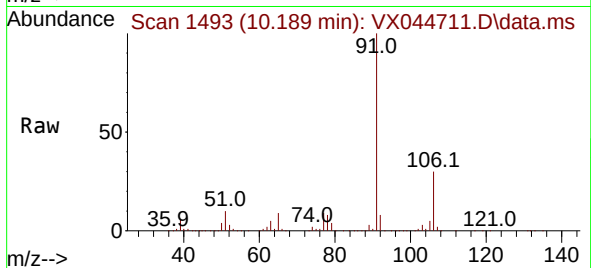




#67
Ethyl Benzene
Concen: 50.576 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

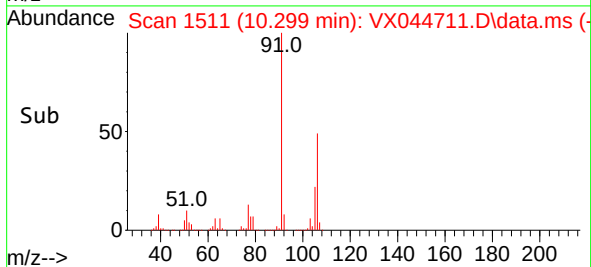
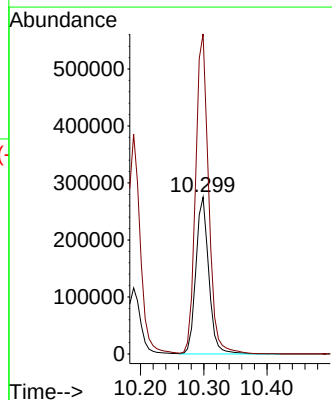
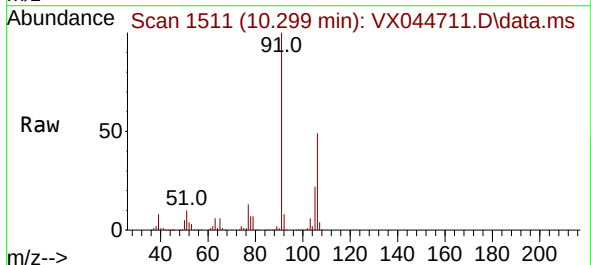
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

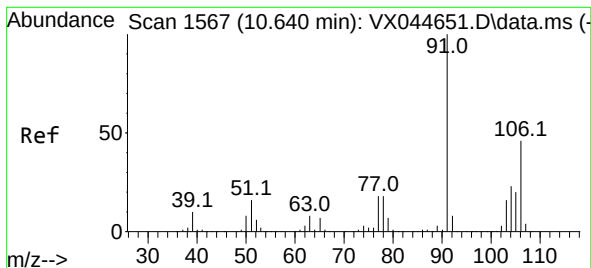
Tgt Ion: 91 Resp: 520975
Ion Ratio Lower Upper
91 100
106 30.0 25.0 37.6



#68
m/p-Xylenes
Concen: 102.049 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 106 Resp: 390083
Ion Ratio Lower Upper
106 100
91 206.2 166.4 249.6





#69

o-Xylene

Concen: 49.989 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

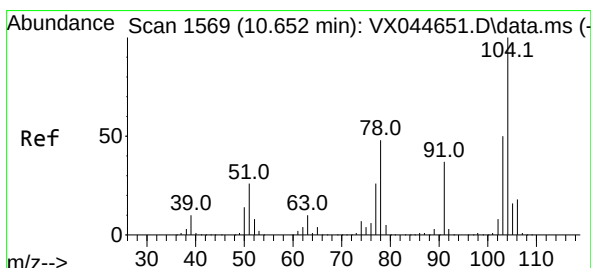
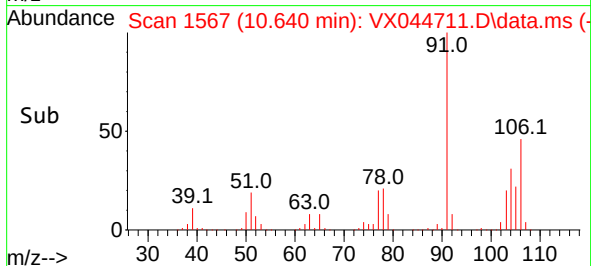
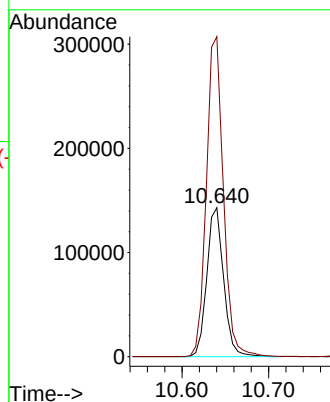
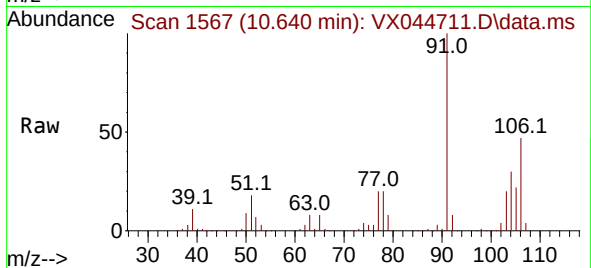
VSTDCCC050

Tgt Ion:106 Resp: 193241

Ion Ratio Lower Upper

106 100

91 216.6 108.7 326.3



#70

Styrene

Concen: 53.068 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

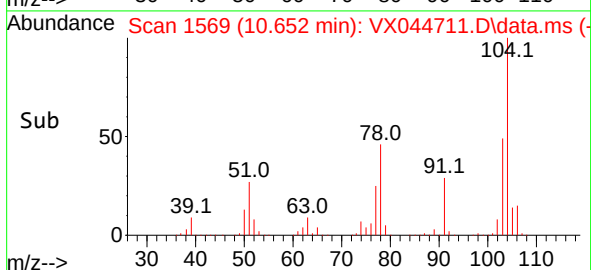
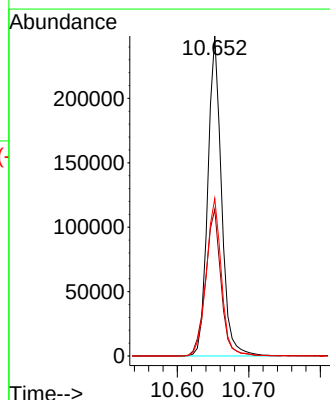
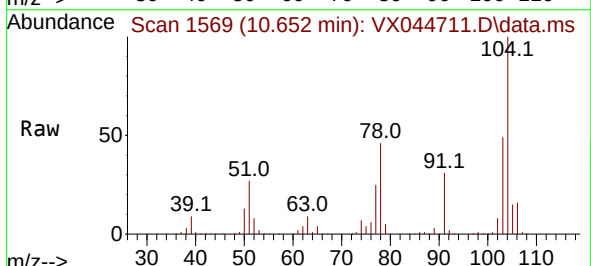
Tgt Ion:104 Resp: 331210

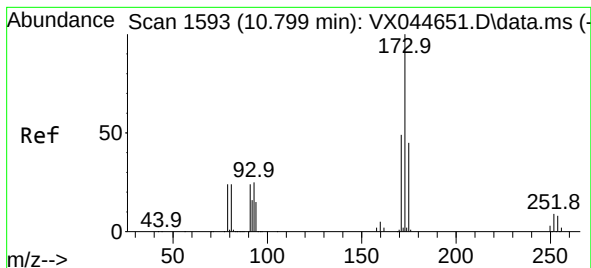
Ion Ratio Lower Upper

104 100

78 51.5 43.0 64.6

103 54.3 43.4 65.2





#71

Bromoform

Concen: 49.769 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

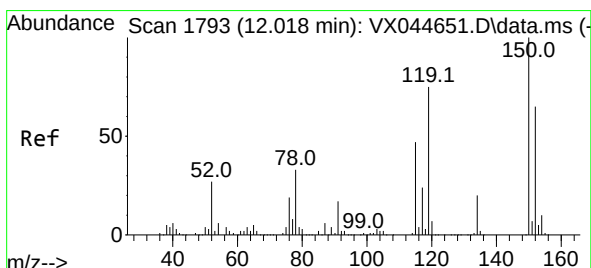
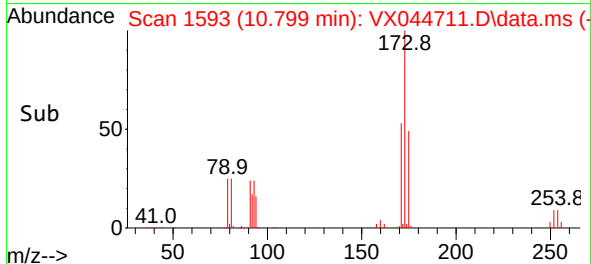
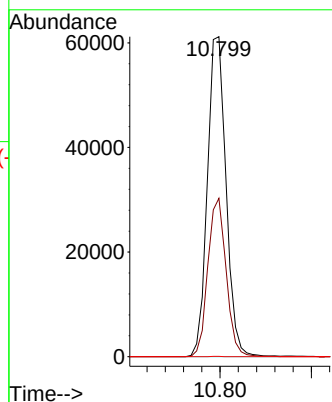
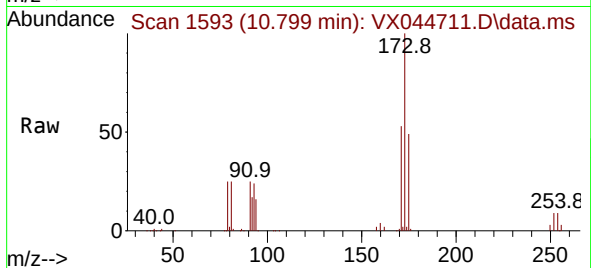
Tgt Ion:173 Resp: 86906

Ion Ratio Lower Upper

173 100

175 48.5 23.6 70.8

254 0.1 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

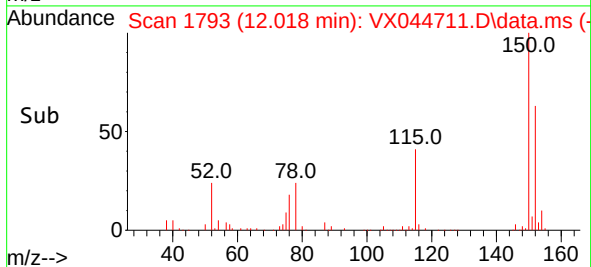
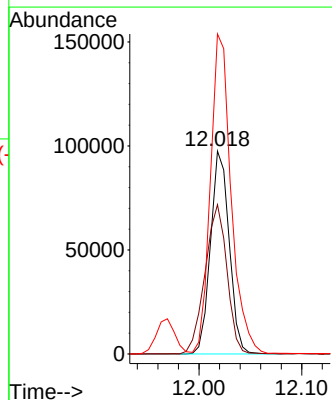
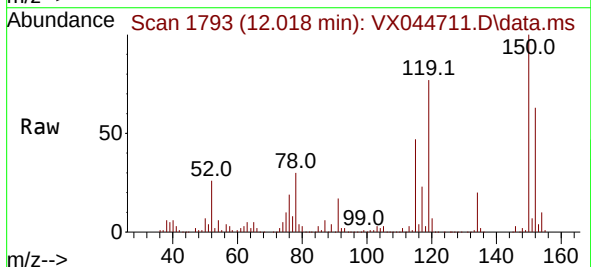
Tgt Ion:152 Resp: 123095

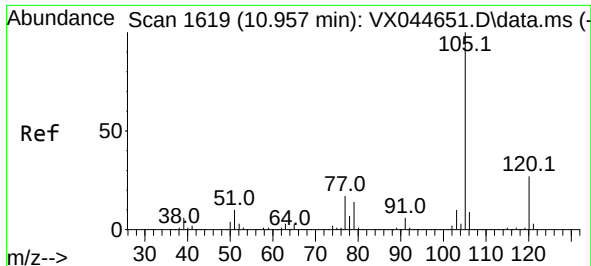
Ion Ratio Lower Upper

152 100

115 86.6 43.8 131.4

150 175.6 0.0 347.8

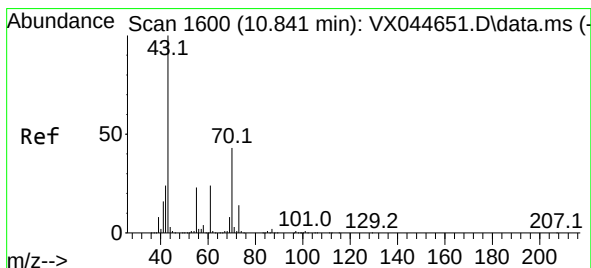
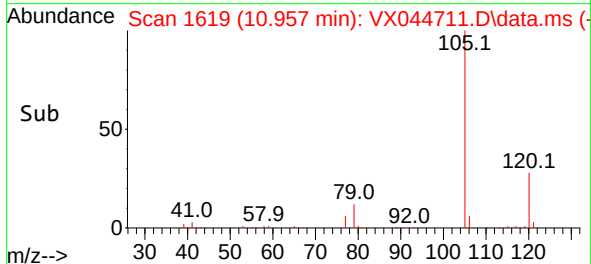
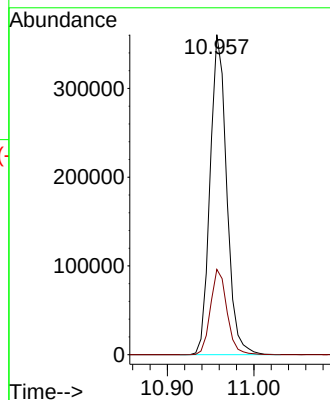
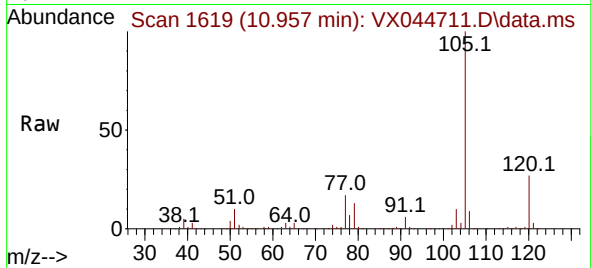




#73
Isopropylbenzene
Concen: 47.772 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

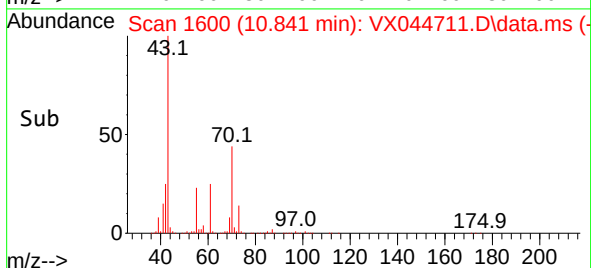
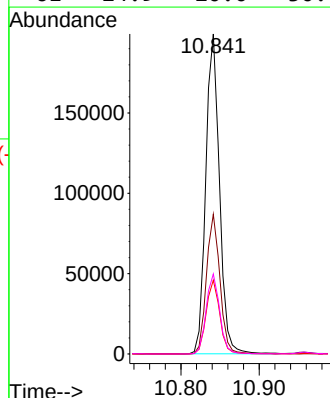
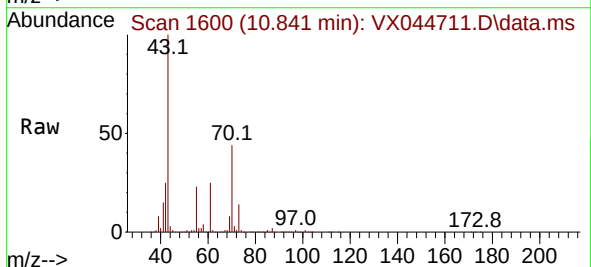
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

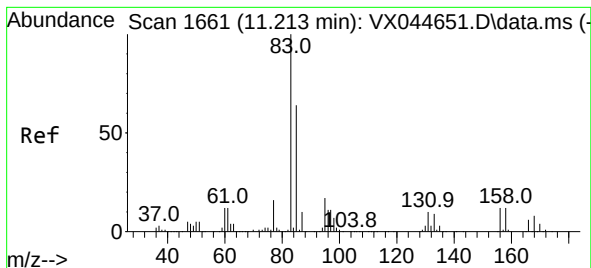
Tgt Ion:105 Resp: 480397
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.6



#74
N-ethyl acetate
Concen: 48.507 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 43 Resp: 240430
Ion Ratio Lower Upper
43 100
70 43.2 35.2 52.8
55 23.0 19.0 28.4
61 24.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.822 ug/l

RT: 11.207 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

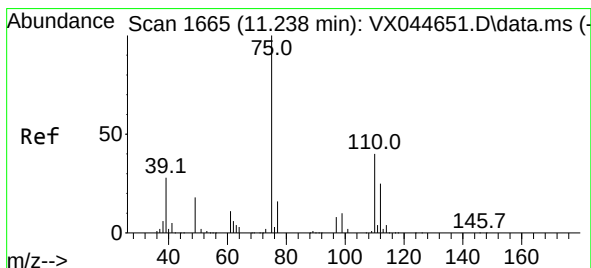
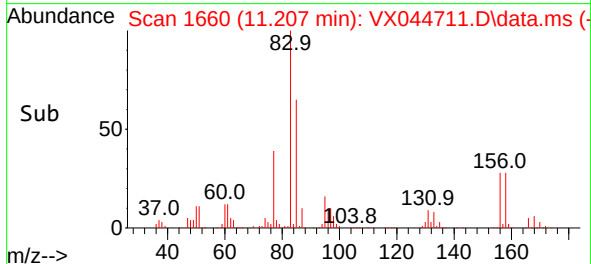
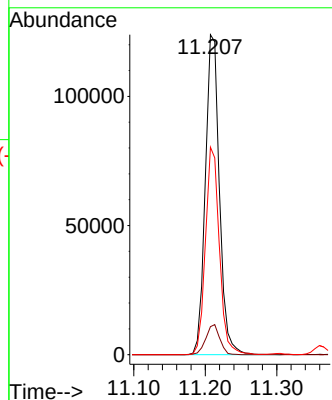
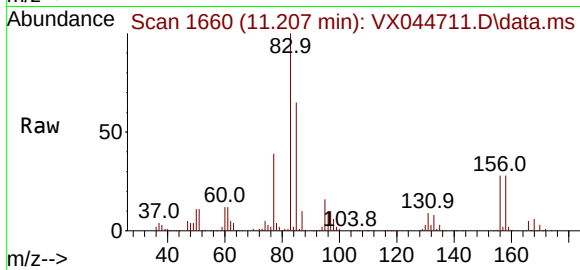
Tgt Ion: 83 Resp: 169562

Ion Ratio Lower Upper

83 100

131 9.3 5.0 14.9

85 64.2 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 64.877 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX044711.D

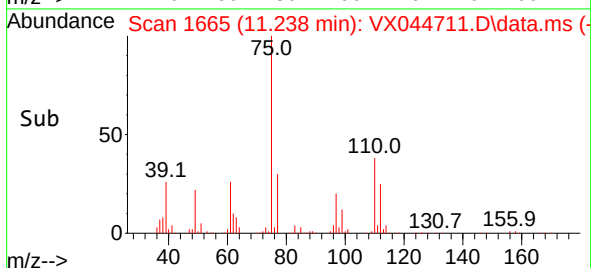
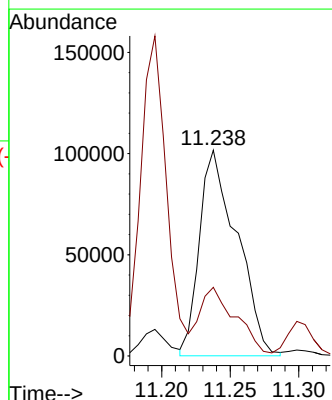
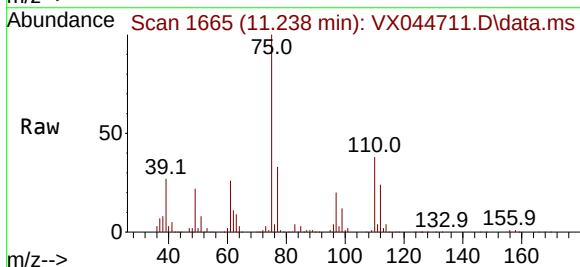
Acq: 27 Jan 2025 10:08

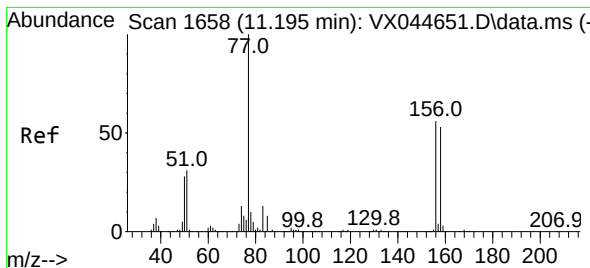
Tgt Ion: 75 Resp: 193809

Ion Ratio Lower Upper

75 100

77 32.2 23.4 70.2





#77

Bromobenzene

Concen: 49.729 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

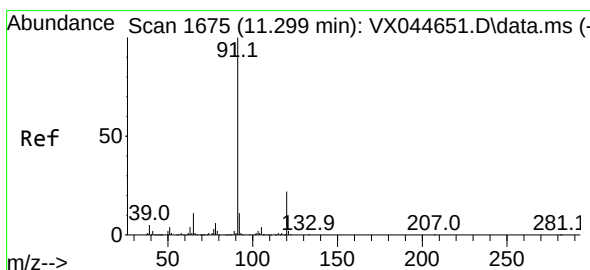
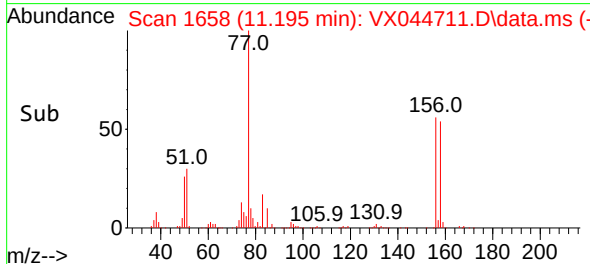
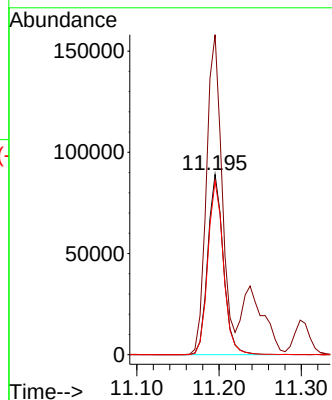
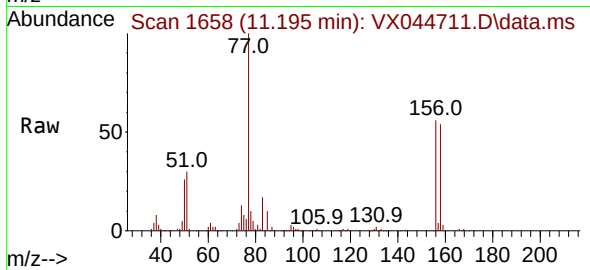
Tgt Ion:156 Resp: 116886

Ion Ratio Lower Upper

156 100

77 178.6 90.3 271.0

158 96.7 48.4 145.3



#78

n-propylbenzene

Concen: 50.743 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. -0.000 min

Lab File: VX044711.D

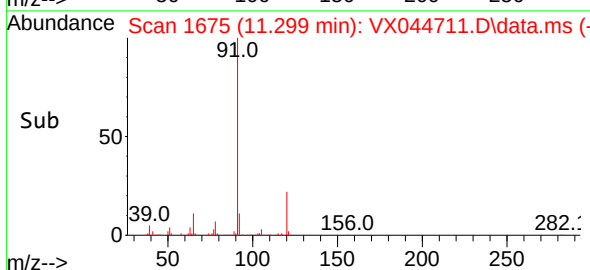
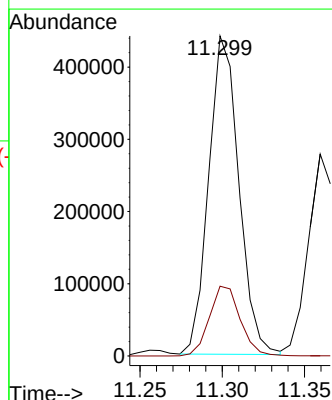
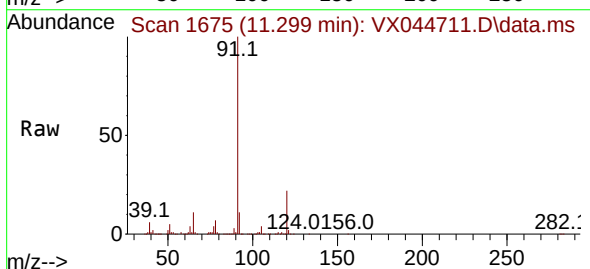
Acq: 27 Jan 2025 10:08

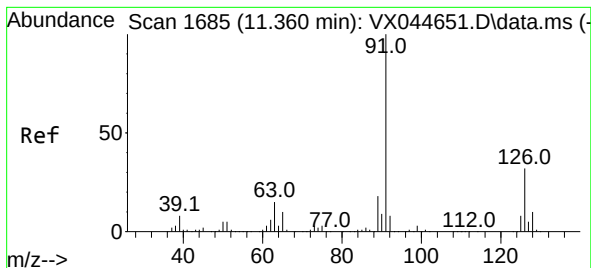
Tgt Ion: 91 Resp: 562742

Ion Ratio Lower Upper

91 100

120 22.5 11.4 34.1

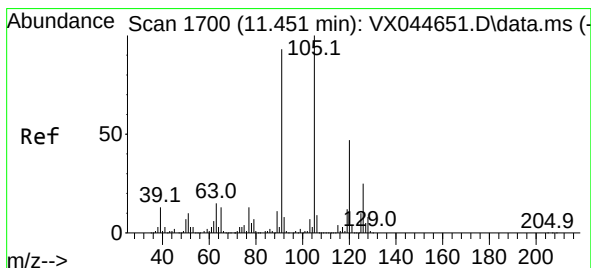
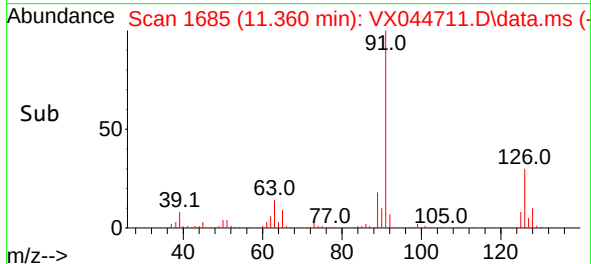
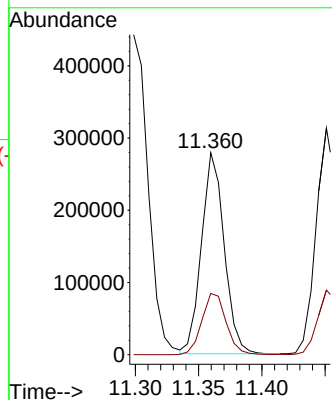
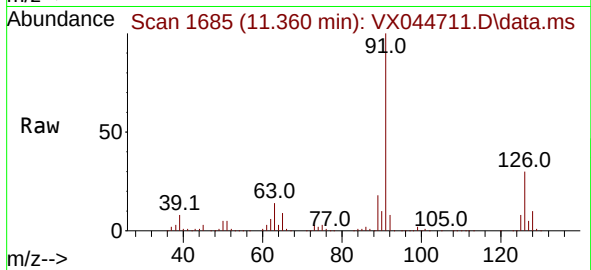




#79
2-Chlorotoluene
Concen: 48.661 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

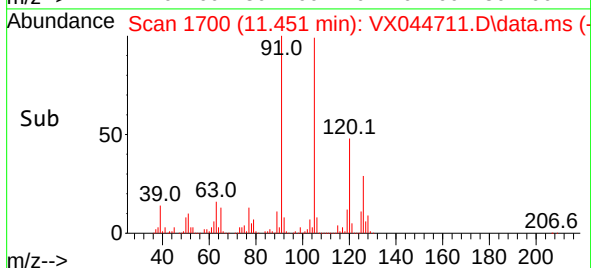
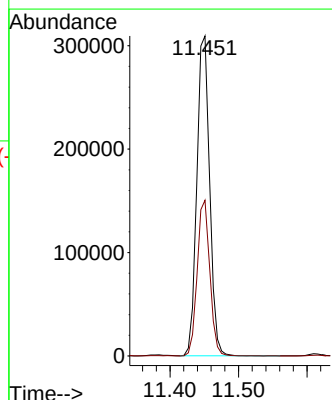
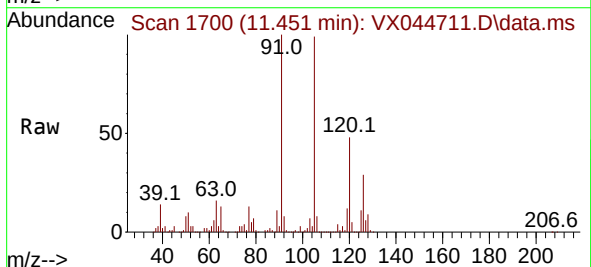
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

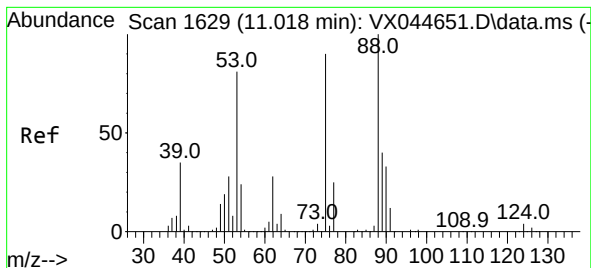
Tgt Ion: 91 Resp: 348599
Ion Ratio Lower Upper
91 100
126 32.6 16.2 48.5



#80
1,3,5-Trimethylbenzene
Concen: 49.198 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 105 Resp: 402748
Ion Ratio Lower Upper
105 100
120 48.0 23.7 71.1

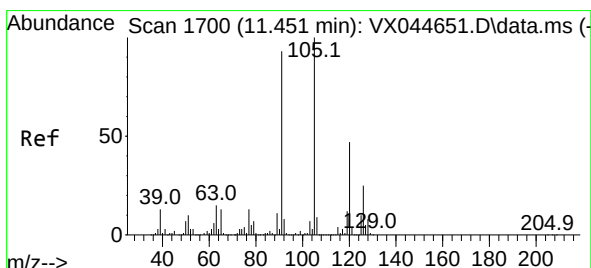
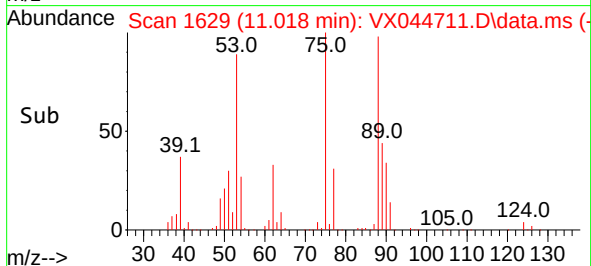
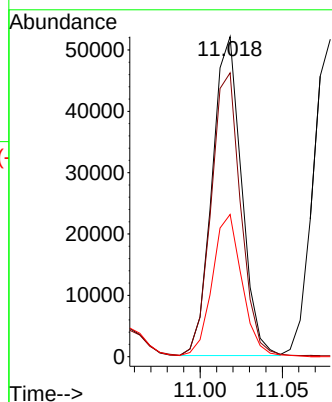
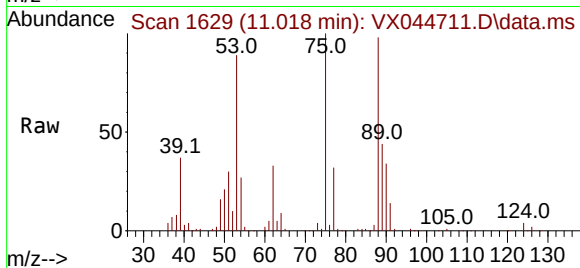




#81
trans-1,4-Dichloro-2-butene
Concen: 49.439 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

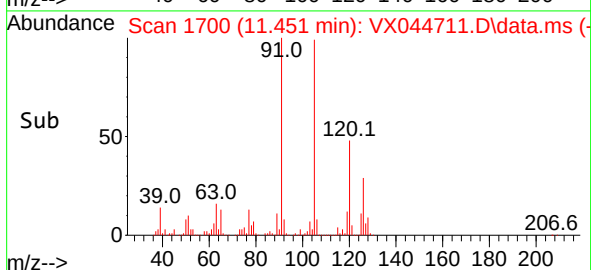
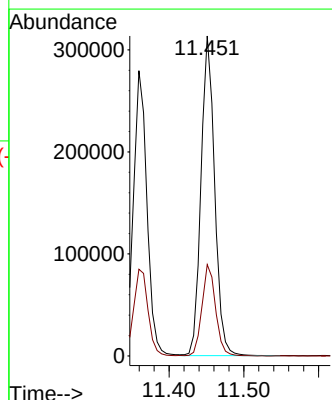
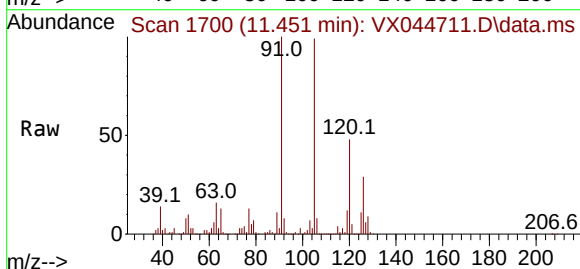
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

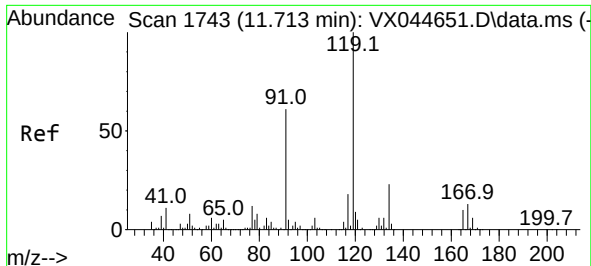
Tgt Ion: 75 Resp: 64582
Ion Ratio Lower Upper
75 100
53 90.9 74.3 111.5
89 45.4 37.4 56.0



#82
4-Chlorotoluene
Concen: 50.588 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 91 Resp: 396992
Ion Ratio Lower Upper
91 100
126 28.5 13.9 41.7

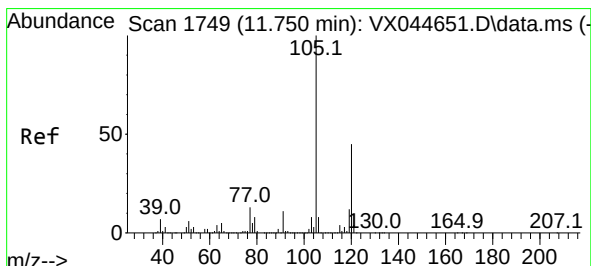
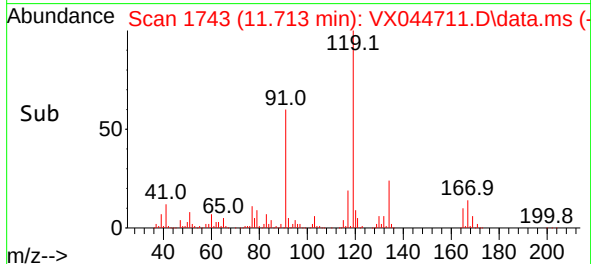
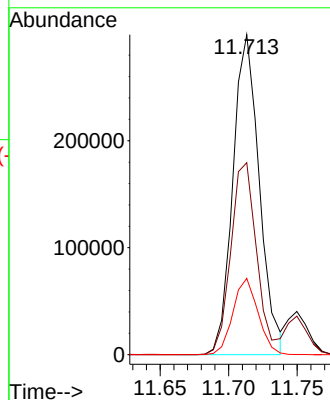
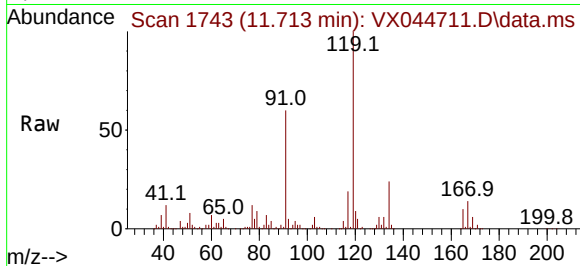




#83
tert-Butylbenzene
Concen: 46.992 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

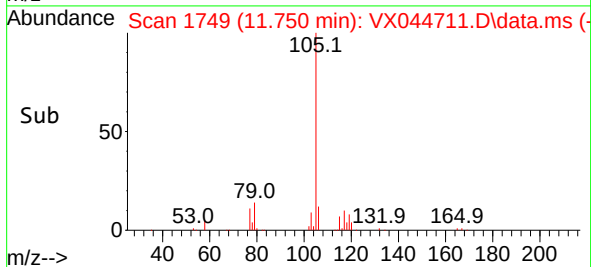
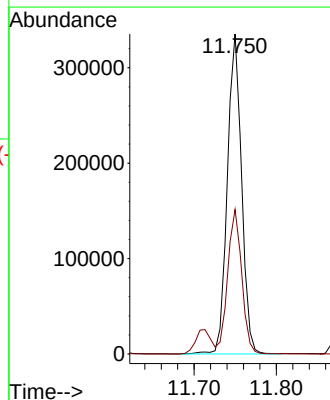
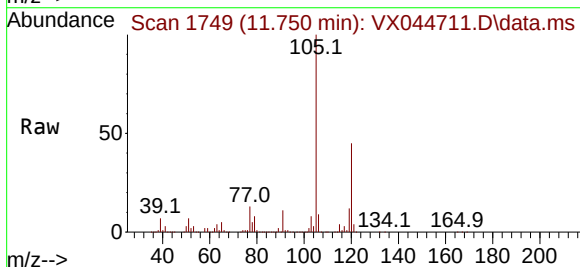
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

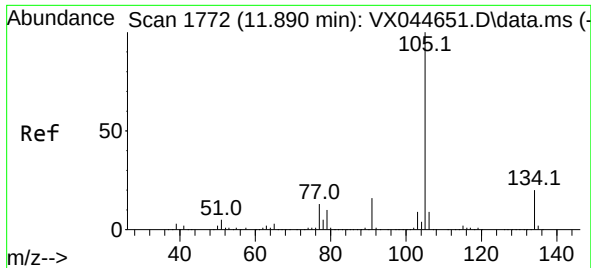
Tgt Ion:119 Resp: 402232
Ion Ratio Lower Upper
119 100
91 57.8 30.0 90.0
134 22.8 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 48.633 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:105 Resp: 404571
Ion Ratio Lower Upper
105 100
120 44.8 22.2 66.6

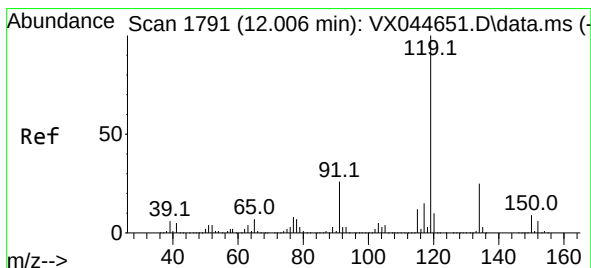
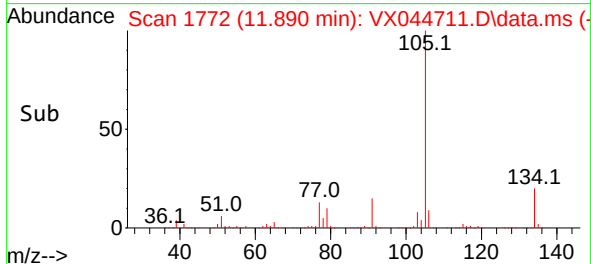
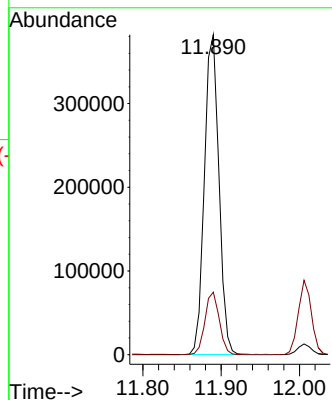
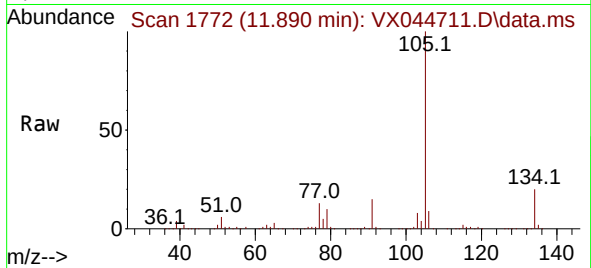




#85
 sec-Butylbenzene
 Concen: 49.309 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX044711.D
 Acq: 27 Jan 2025 10:08

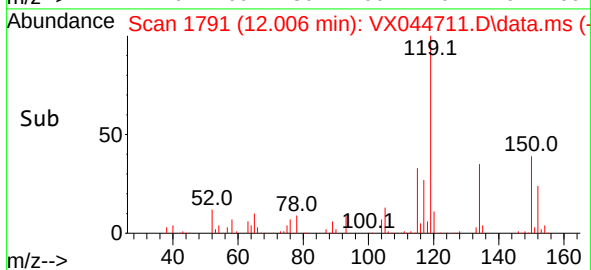
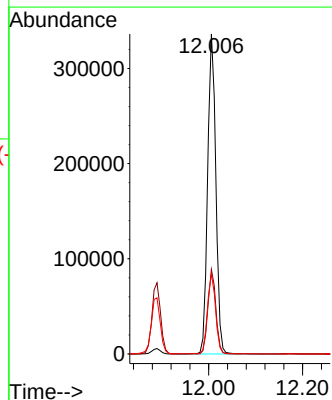
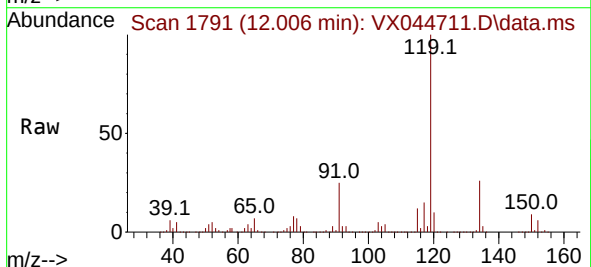
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

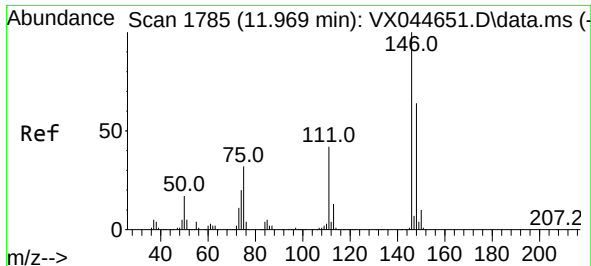
Tgt Ion:105 Resp: 491434
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 49.439 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX044711.D
 Acq: 27 Jan 2025 10:08

Tgt Ion:119 Resp: 404929
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.4
 91 24.7 12.7 38.1

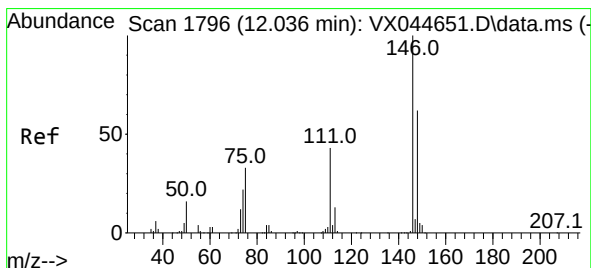
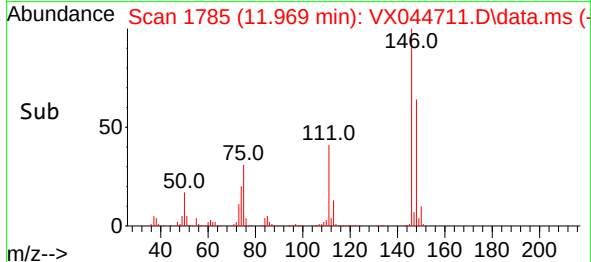
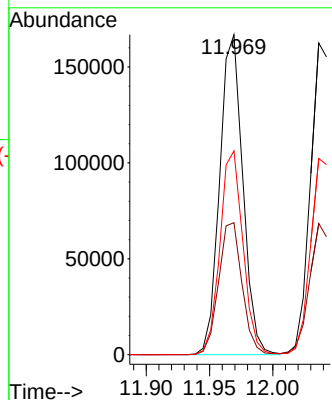
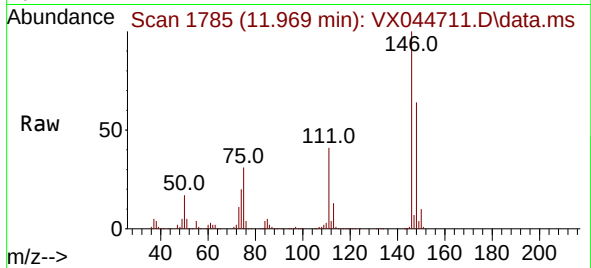




#87
1,3-Dichlorobenzene
Concen: 52.016 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

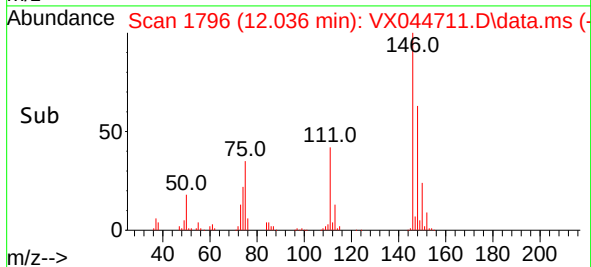
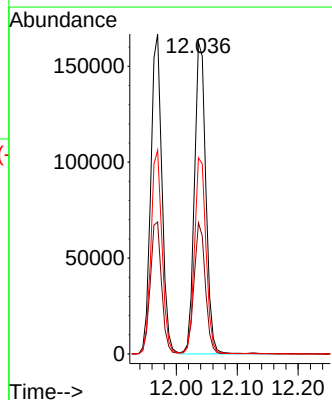
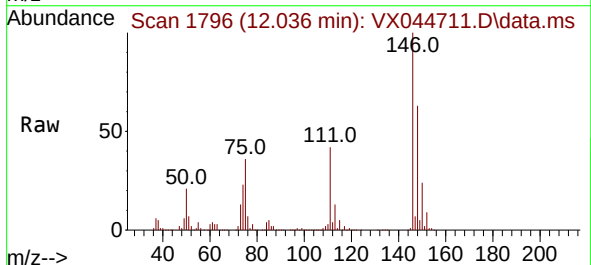
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

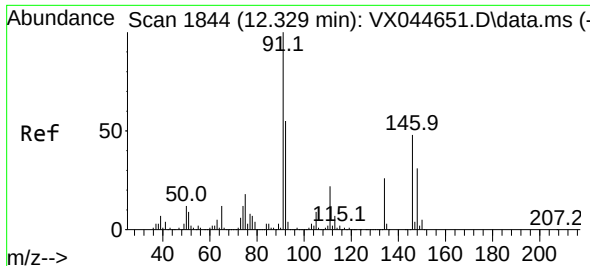
Tgt Ion:146 Resp: 212027
Ion Ratio Lower Upper
146 100
111 42.0 21.9 65.7
148 63.3 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 51.247 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:146 Resp: 211171
Ion Ratio Lower Upper
146 100
111 41.6 21.5 64.5
148 63.1 32.1 96.5

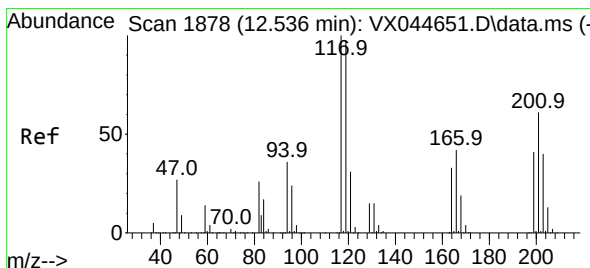
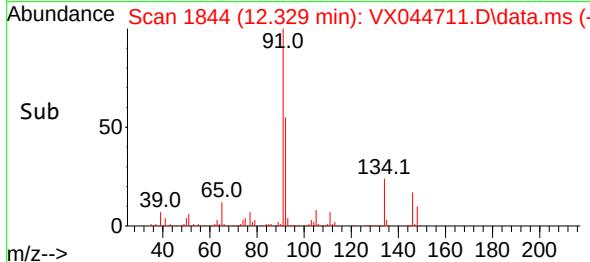
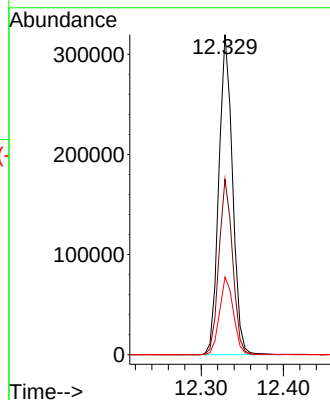
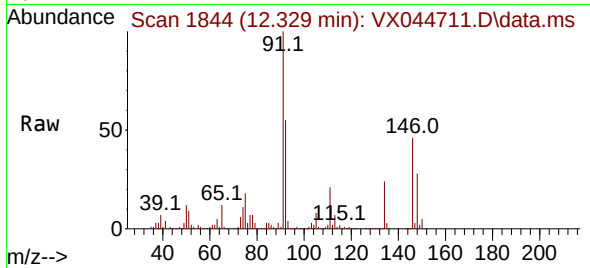




#89
n-Butylbenzene
Concen: 52.602 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

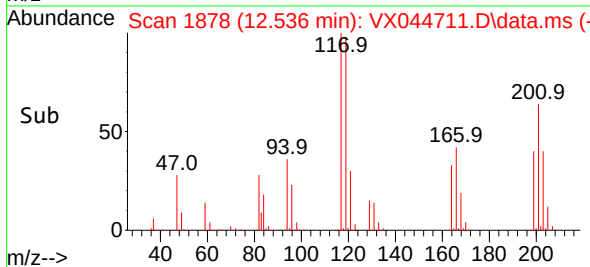
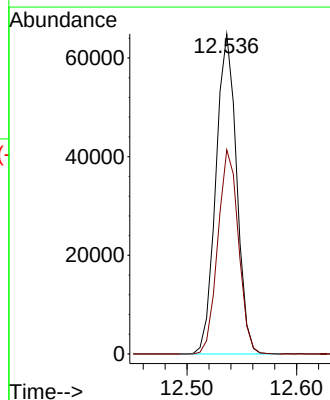
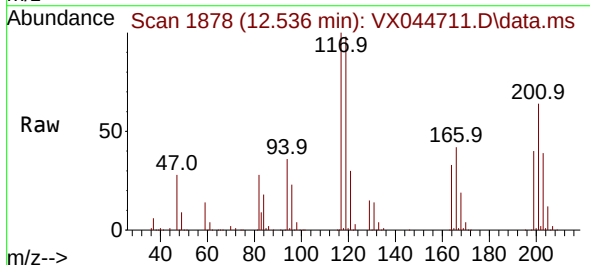
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

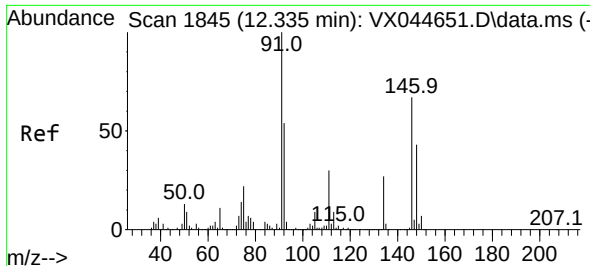
Tgt Ion: 91 Resp: 370043
Ion Ratio Lower Upper
91 100
92 54.7 27.4 82.0
134 24.6 12.8 38.3



#90
Hexachloroethane
Concen: 45.956 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 117 Resp: 85234
Ion Ratio Lower Upper
117 100
201 63.5 32.3 96.8

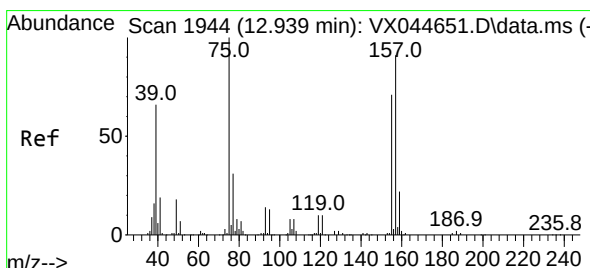
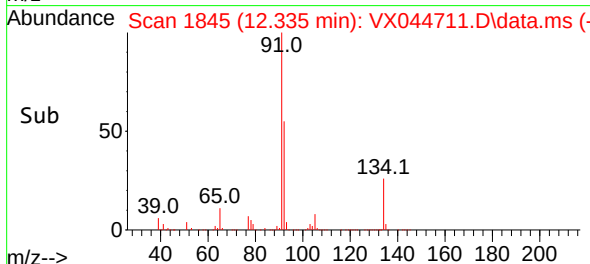
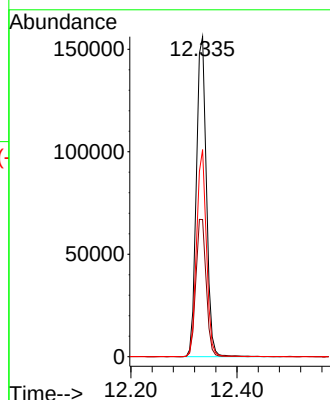
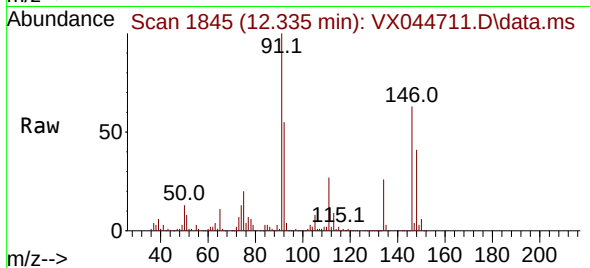




#91
 1,2-Dichlorobenzene
 Concen: 48.972 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. -0.000 min
 Lab File: VX044711.D
 Acq: 27 Jan 2025 10:08

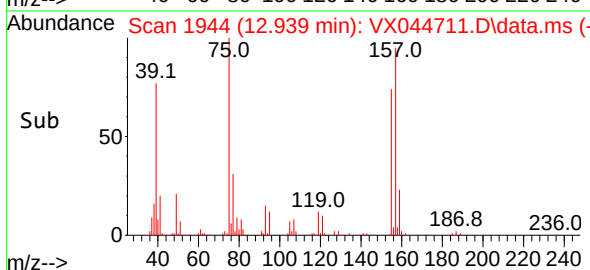
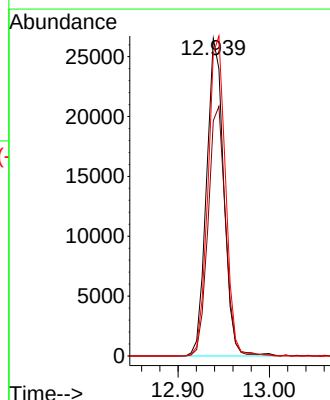
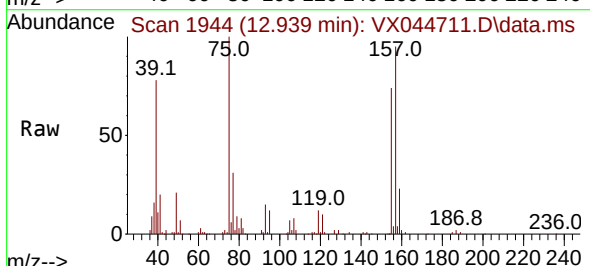
Instrument :
 MSVOA_X
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 VSTDCCC050

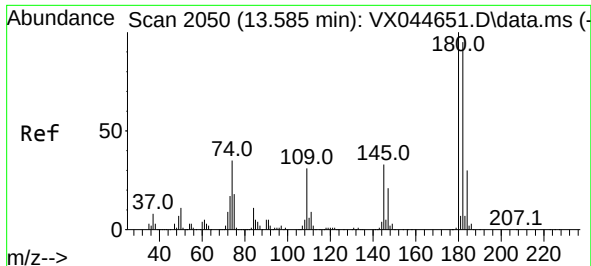
Tgt Ion:146 Resp: 205003
 Ion Ratio Lower Upper
 146 100
 111 44.1 22.4 67.2
 148 63.4 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.823 ug/l
 RT: 12.939 min Scan# 1944
 Delta R.T. -0.000 min
 Lab File: VX044711.D
 Acq: 27 Jan 2025 10:08

Tgt Ion: 75 Resp: 34674
 Ion Ratio Lower Upper
 75 100
 155 79.1 39.0 116.9
 157 101.9 49.9 149.7

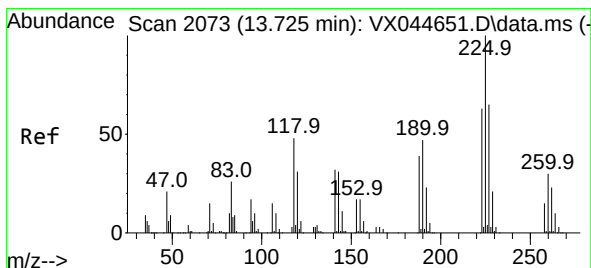
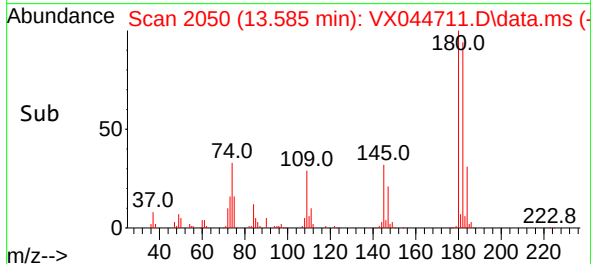
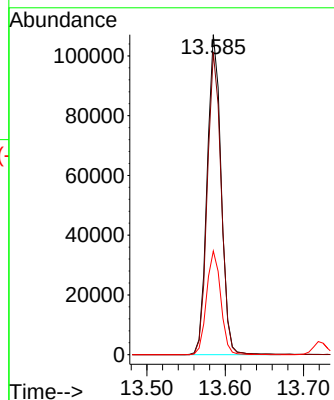
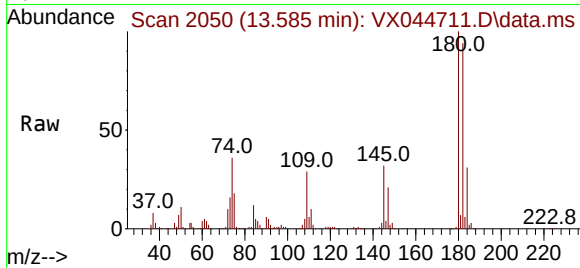




#93
1,2,4-Trichlorobenzene
Concen: 52.765 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

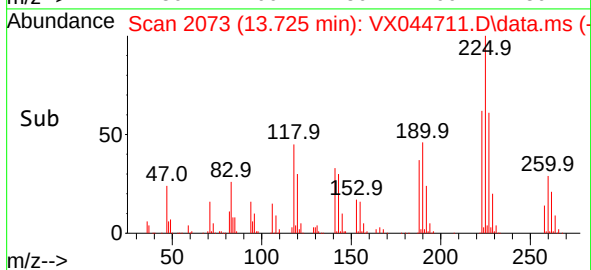
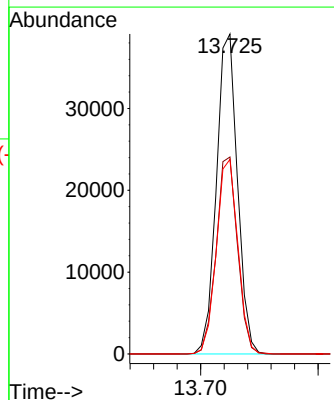
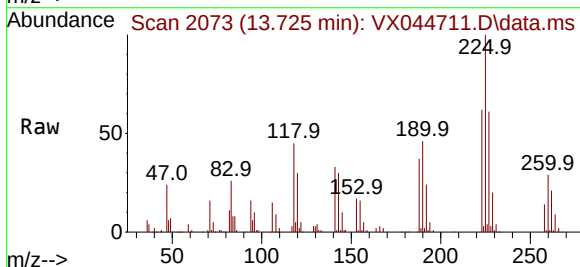
Instrument :
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ClientSampleId :
VSTDCCC050

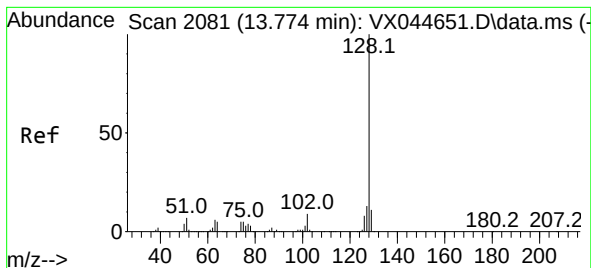
Tgt Ion:180 Resp: 132044
Ion Ratio Lower Upper
180 100
182 93.9 47.4 142.2
145 33.0 16.7 50.1



#94
Hexachlorobutadiene
Concen: 49.450 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:225 Resp: 48609
Ion Ratio Lower Upper
225 100
223 62.5 31.9 95.7
227 62.1 31.8 95.4





#95

Naphthalene

Concen: 50.197 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

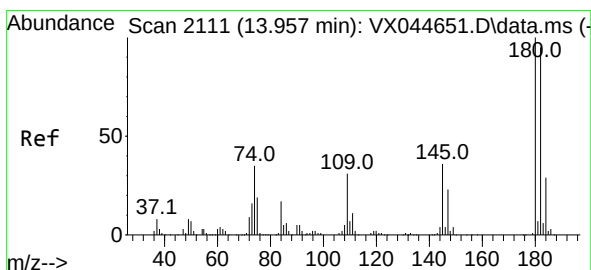
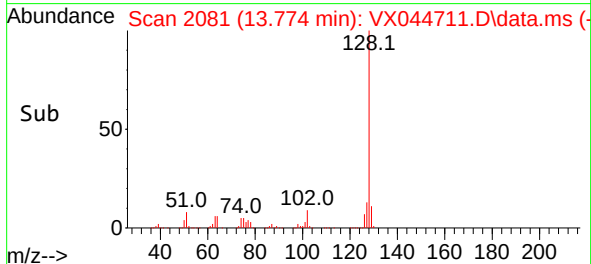
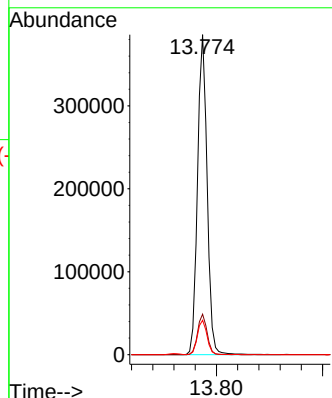
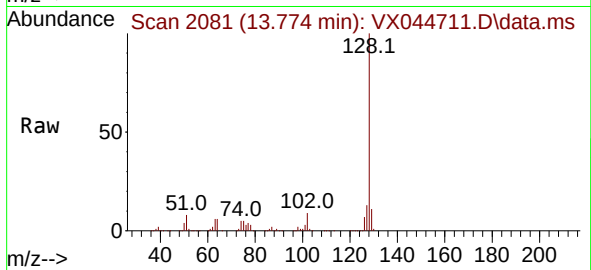
Tgt Ion:128 Resp: 484495

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.8 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 51.628 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.000 min

Lab File: VX044711.D

Acq: 27 Jan 2025 10:08

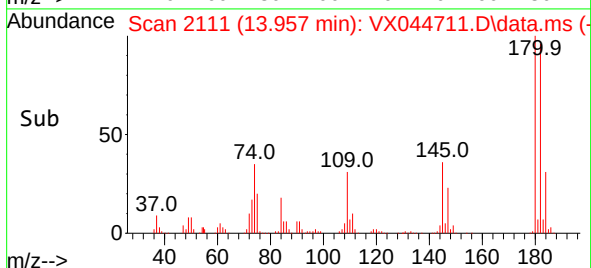
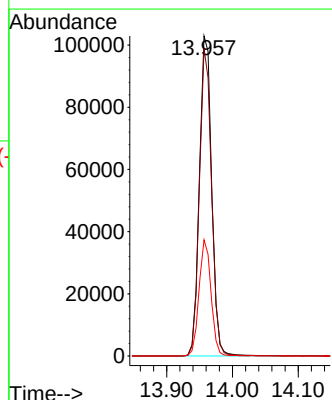
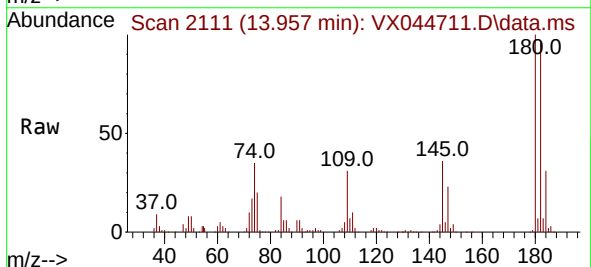
Tgt Ion:180 Resp: 133922

Ion Ratio Lower Upper

180 100

182 94.8 47.2 141.6

145 35.4 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044714.D
 Acq On : 27 Jan 2025 11:24
 Operator : JC/MD
 Sample : VX0127WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBS01

Quant Time: Jan 28 04:08:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	194501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	349402	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	294902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	132232	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	122056	41.574	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.140%
35) Dibromofluoromethane	5.379	113	101687	45.811	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.620%
50) Toluene-d8	8.640	98	374408	48.375	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.760%
62) 4-Bromofluorobenzene	11.079	95	134911	46.759	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.520%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	44749	17.097	ug/l	97
3) Chloromethane	1.300	50	53678	18.965	ug/l	98
4) Vinyl Chloride	1.373	62	48425	17.316	ug/l	98
5) Bromomethane	1.593	94	12630	18.914	ug/l	98
6) Chloroethane	1.666	64	19537	38.097	ug/l	98
7) Trichlorofluoromethane	1.873	101	51664	16.716	ug/l	100
8) Diethyl Ether	2.129	74	17567	14.084	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.318	101	42834	18.436	ug/l	97
10) Methyl Iodide	2.446	142	52896	16.675	ug/l	98
11) Tert butyl alcohol	2.977	59	51998	79.447	ug/l #	84
12) 1,1-Dichloroethene	2.312	96	42270	18.561	ug/l	97
13) Acrolein	2.233	56	21403	69.491	ug/l	99
14) Allyl chloride	2.660	41	77088	17.385	ug/l	98
15) Acrylonitrile	3.062	53	116149	90.479	ug/l	100
16) Acetone	2.379	43	93908	80.848	ug/l	99
17) Carbon Disulfide	2.501	76	114283	18.390	ug/l	99
18) Methyl Acetate	2.703	43	64807	18.085	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	141970	17.211	ug/l	98
20) Methylene Chloride	2.782	84	47323	17.495	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	41613	17.501	ug/l	98
22) Diisopropyl ether	3.757	45	145799	18.916	ug/l	95
23) Vinyl Acetate	3.715	43	610713	90.524	ug/l	99
24) 1,1-Dichloroethane	3.605	63	82157	17.974	ug/l	100
25) 2-Butanone	4.556	43	155565	90.078	ug/l	99
26) 2,2-Dichloropropane	4.464	77	70010	15.804	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	52012	17.390	ug/l	98
28) Bromochloromethane	4.891	49	39674	18.575	ug/l	95
29) Tetrahydrofuran	5.001	42	100494	90.213	ug/l	98
30) Chloroform	5.086	83	79982	17.339	ug/l	99
31) Cyclohexane	5.464	56	74004	20.018	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	68369	16.122	ug/l	99
36) 1,1-Dichloropropene	5.690	75	54103	17.510	ug/l	99
37) Ethyl Acetate	4.714	43	59455	18.069	ug/l	98
38) Carbon Tetrachloride	5.672	117	58196	16.744	ug/l	99
39) Methylcyclohexane	7.372	83	75160	18.324	ug/l	100
40) Benzene	6.031	78	177558	18.544	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044714.D
 Acq On : 27 Jan 2025 11:24
 Operator : JC/MD
 Sample : VX0127WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBS01

Quant Time: Jan 28 04:08:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	33769	17.612	ug/l	99
42) 1,2-Dichloroethane	6.080	62	56940	16.294	ug/l	99
43) Isopropyl Acetate	6.336	43	106960	17.670	ug/l	99
44) Trichloroethene	7.122	130	40285	17.501	ug/l	97
45) 1,2-Dichloropropane	7.421	63	44906	18.632	ug/l	99
46) Dibromomethane	7.580	93	31751	17.306	ug/l	98
47) Bromodichloromethane	7.817	83	64021	17.015	ug/l	99
48) Methyl methacrylate	7.689	41	50455	17.957	ug/l	98
49) 1,4-Dioxane	7.659	88	22357	381.373	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	320897	95.928	ug/l	99
52) Toluene	8.714	92	107306	18.310	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	66983	17.231	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	73698	17.484	ug/l	99
55) 1,1,2-Trichloroethane	9.146	97	43335	18.277	ug/l	98
56) Ethyl methacrylate	9.116	69	73260	17.970	ug/l	99
57) 1,3-Dichloropropane	9.305	76	73374	18.173	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	155542	77.714	ug/l	98
59) 2-Hexanone	9.427	43	235185	95.563	ug/l	100
60) Dibromochloromethane	9.518	129	47865	17.200	ug/l	98
61) 1,2-Dibromoethane	9.604	107	43546	17.525	ug/l	99
64) Tetrachloroethene	9.268	164	34603	18.686	ug/l	96
65) Chlorobenzene	10.073	112	116677	18.627	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	39444	17.327	ug/l	98
67) Ethyl Benzene	10.189	91	203496	18.619	ug/l	99
68) m/p-Xylenes	10.299	106	154315	38.048	ug/l	97
69) o-Xylene	10.640	106	76225	18.584	ug/l	100
70) Styrene	10.652	104	127161	19.202	ug/l	98
71) Bromoform	10.799	173	32859	17.735	ug/l #	100
73) Isopropylbenzene	10.957	105	192068	17.780	ug/l	100
74) N-amyl acetate	10.841	43	92250	17.326	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	67283	18.034	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	72333	22.540	ug/l	82
77) Bromobenzene	11.195	156	44539	17.640	ug/l	97
78) n-propylbenzene	11.299	91	218400	18.333	ug/l	100
79) 2-Chlorotoluene	11.360	91	137301	17.842	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	158002	17.967	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	23991	17.096	ug/l	95
82) 4-Chlorotoluene	11.451	91	153401	18.197	ug/l	97
83) tert-Butylbenzene	11.713	119	162534	17.676	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	159915	17.895	ug/l	99
85) sec-Butylbenzene	11.890	105	197899	18.485	ug/l	99
86) p-Isopropyltoluene	12.006	119	159273	18.102	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	80761	18.444	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	80443	18.173	ug/l	100
89) n-Butylbenzene	12.329	91	140139	18.544	ug/l	99
90) Hexachloroethane	12.536	117	33393	16.760	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	81242	18.066	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	13195	14.461	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	47294	17.593	ug/l	99
94) Hexachlorobutadiene	13.725	225	18173	17.210	ug/l	97
95) Naphthalene	13.774	128	184203	17.766	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	49087	17.616	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044714.D
Acq On : 27 Jan 2025 11:24
Operator : JC/MD
Sample : VX0127WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

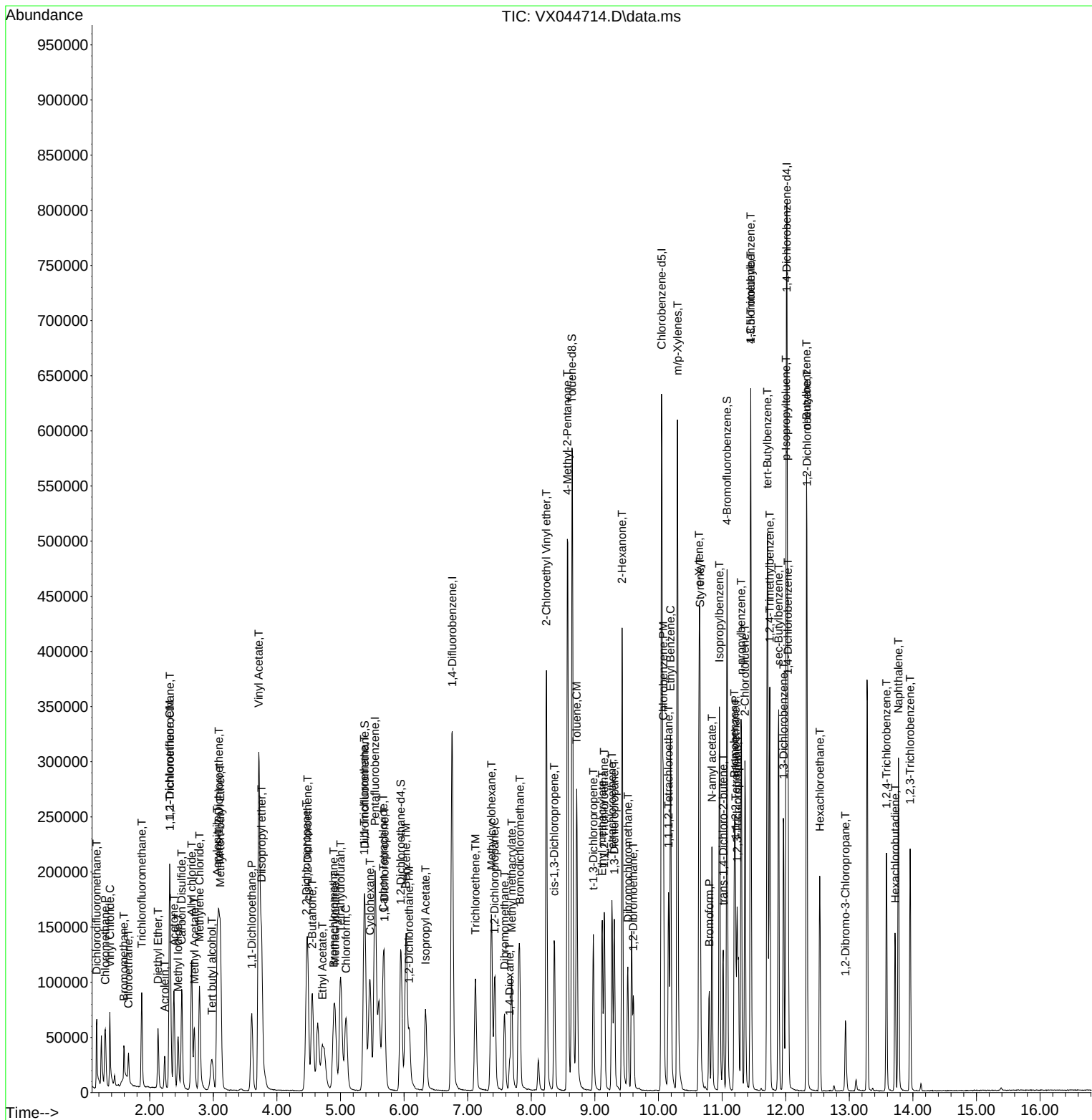
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MSVOA_X
ClientSampleId :
VX0127WBS01

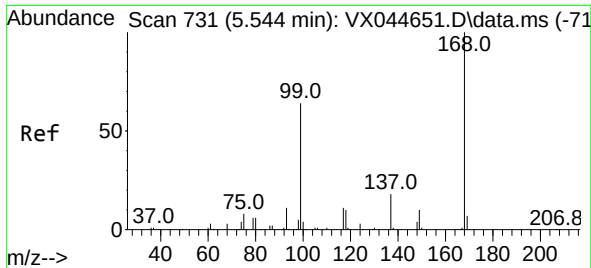
Quant Time: Jan 28 04:08:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

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

Quant Time: Jan 28 04:08:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

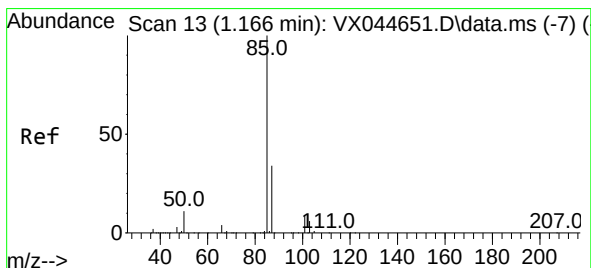
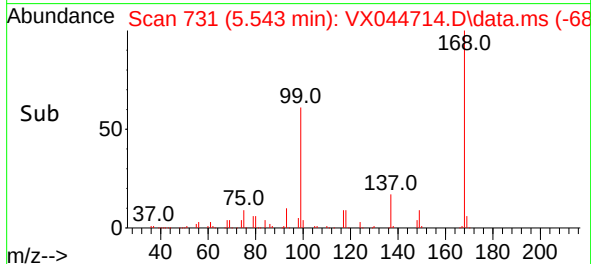
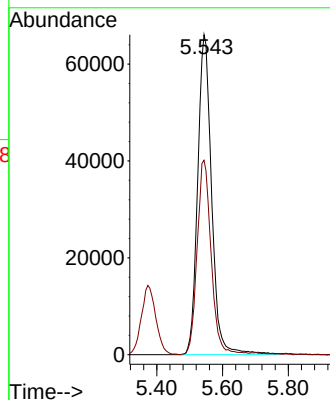
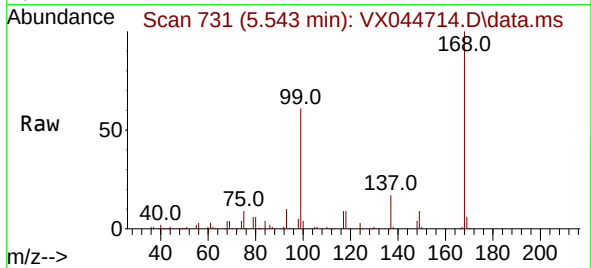




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

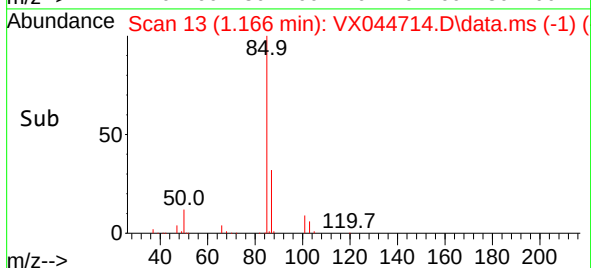
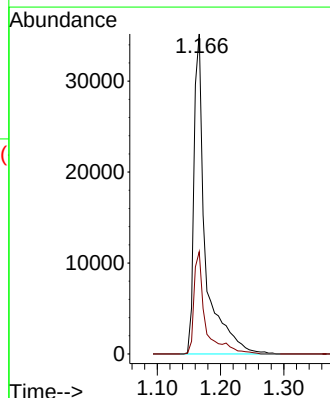
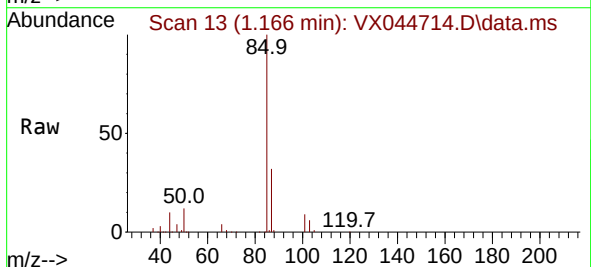
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

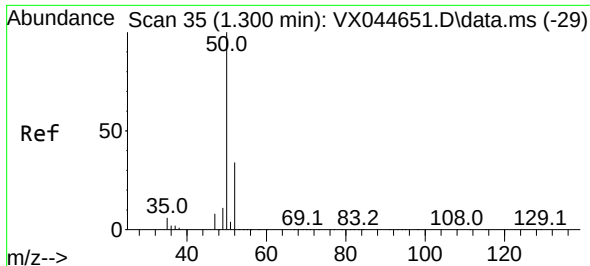
Tgt Ion:168 Resp: 194501
Ion Ratio Lower Upper
168 100
99 60.8 51.1 76.7



#2
Dichlorodifluoromethane
Concen: 17.097 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 85 Resp: 44749
Ion Ratio Lower Upper
85 100
87 32.0 16.8 50.4

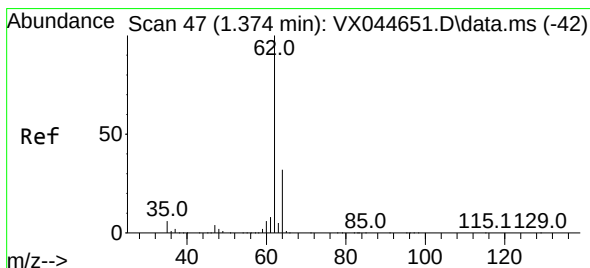
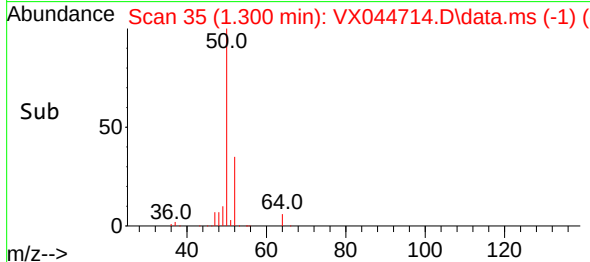
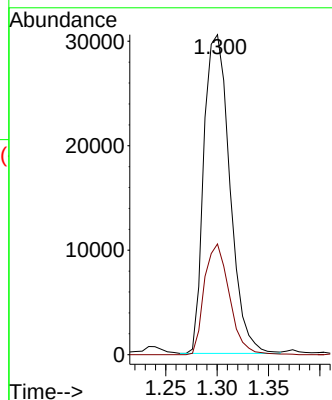
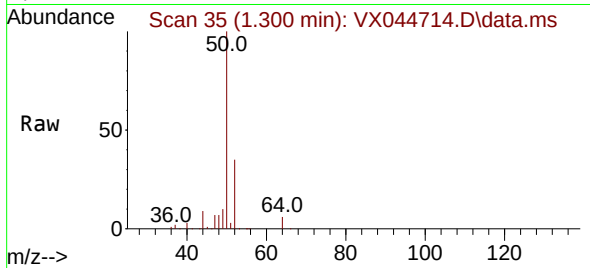




#3
Chloromethane
Concen: 18.965 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

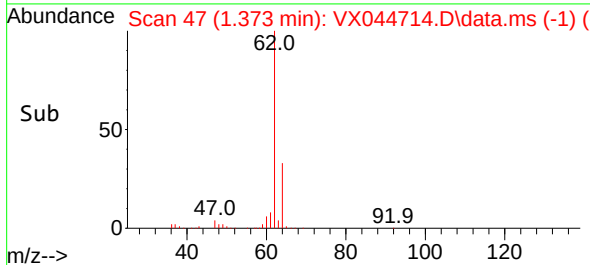
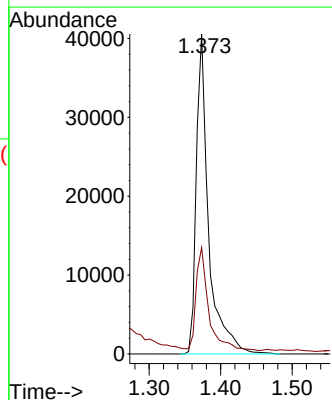
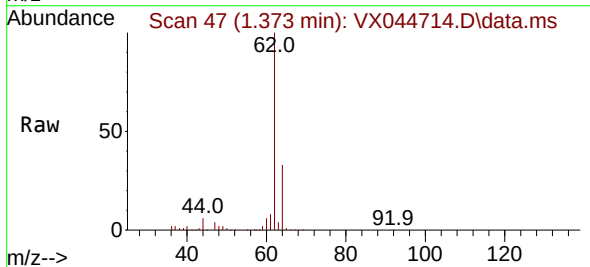
Instrument :
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ClientSampleId :
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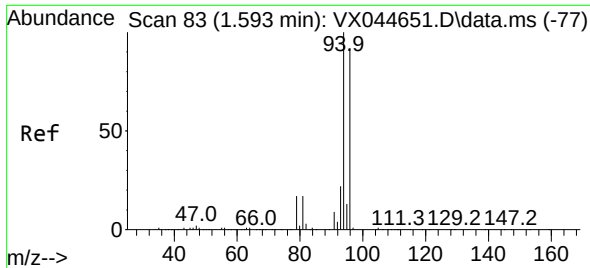
Tgt Ion: 50 Resp: 53678
Ion Ratio Lower Upper
50 100
52 34.7 27.0 40.4



#4
Vinyl Chloride
Concen: 17.316 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 62 Resp: 48425
Ion Ratio Lower Upper
62 100
64 32.0 26.6 39.8

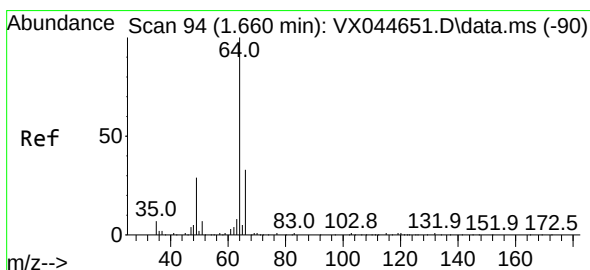
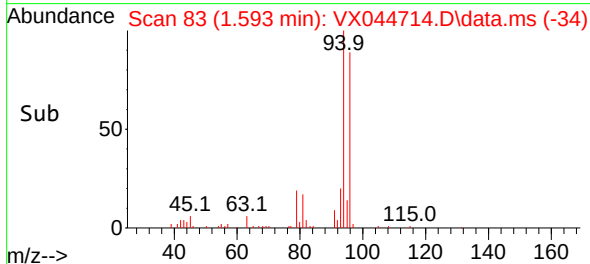
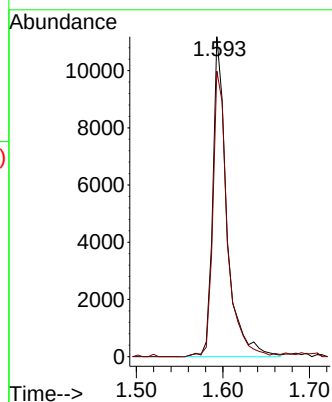
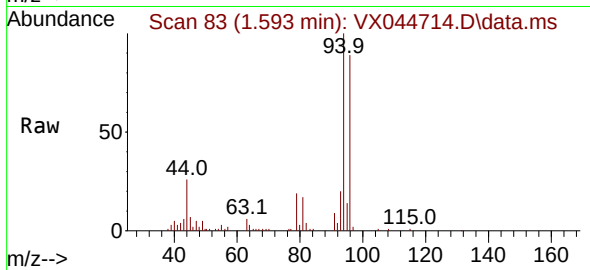




#5
Bromomethane
Concen: 18.914 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

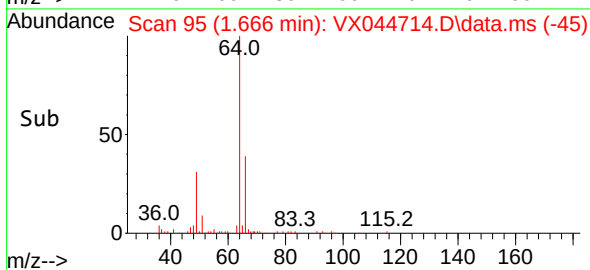
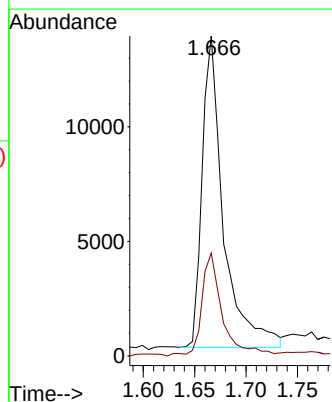
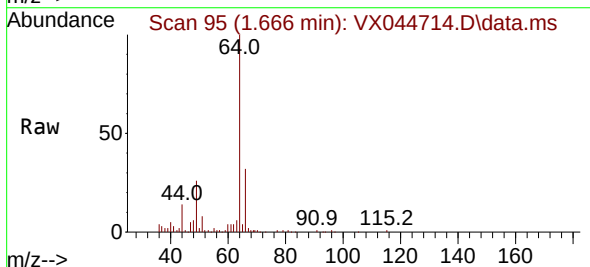
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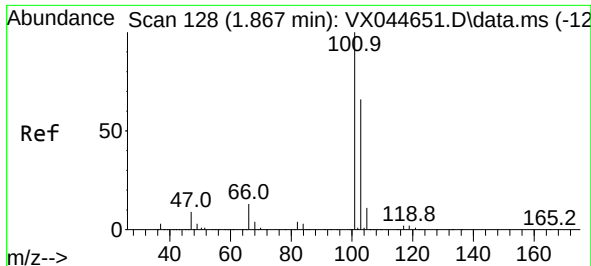
Tgt Ion: 94 Resp: 12630
Ion Ratio Lower Upper
94 100
96 89.3 72.8 109.2



#6
Chloroethane
Concen: 38.097 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 64 Resp: 19537
Ion Ratio Lower Upper
64 100
66 32.3 26.6 39.8

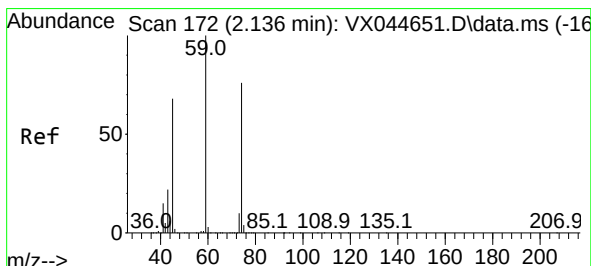
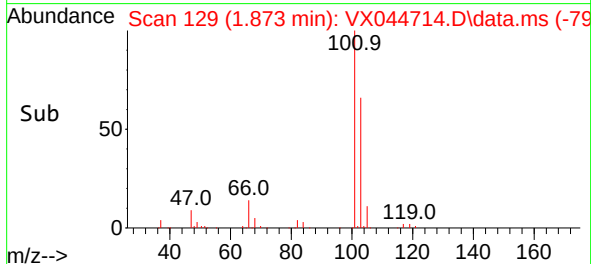
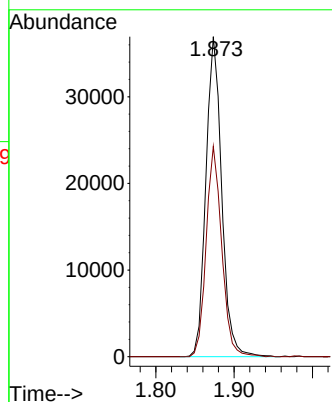
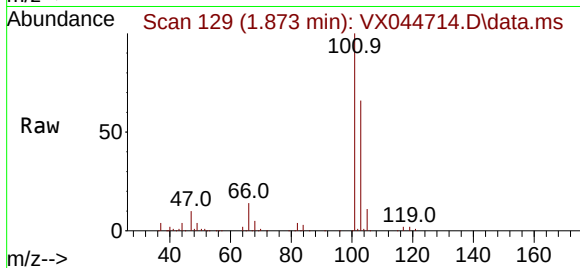




#7
Trichlorofluoromethane
Concen: 16.716 ug/l
RT: 1.873 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

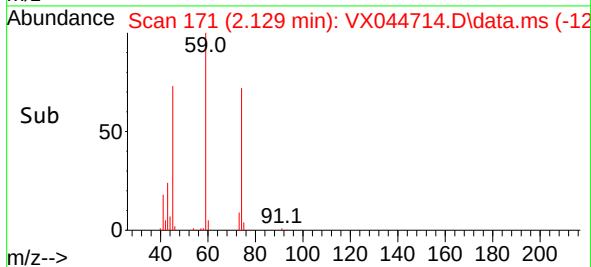
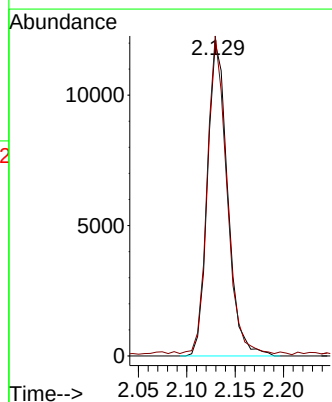
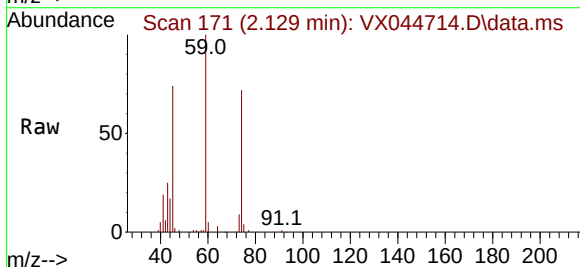
Instrument :
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ClientSampleId :
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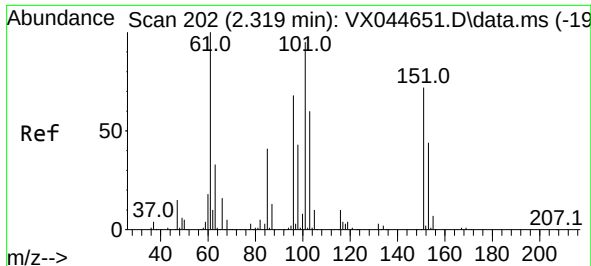
Tgt Ion:101 Resp: 51664
Ion Ratio Lower Upper
101 100
103 65.7 52.5 78.7



#8
Diethyl Ether
Concen: 14.084 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 74 Resp: 17567
Ion Ratio Lower Upper
74 100
45 98.8 47.1 141.3

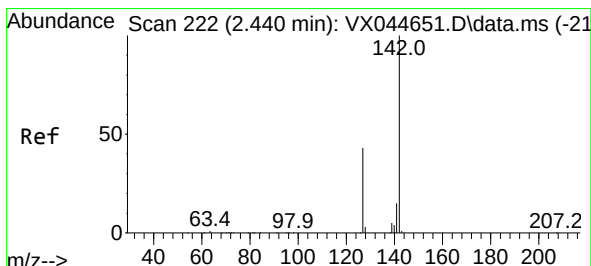
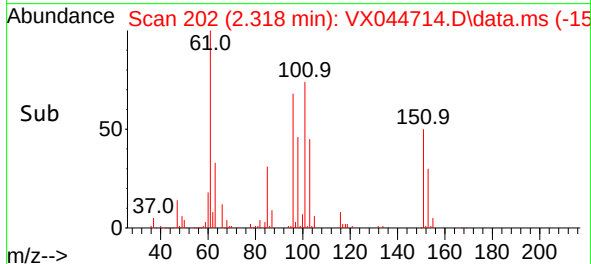
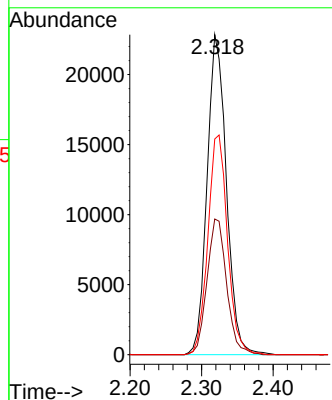
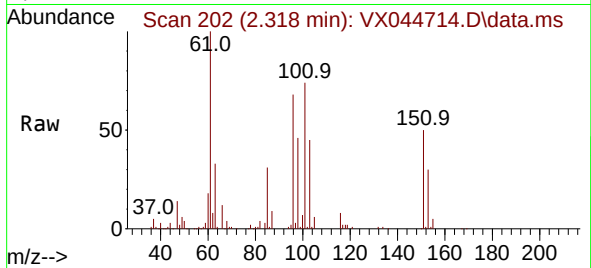




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.436 ug/l
RT: 2.318 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

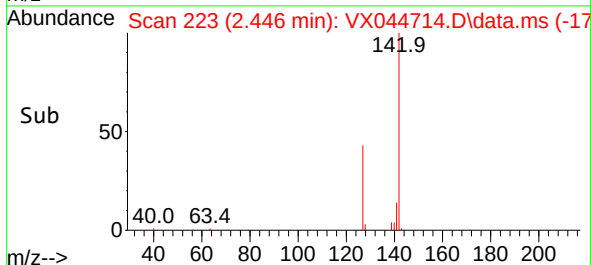
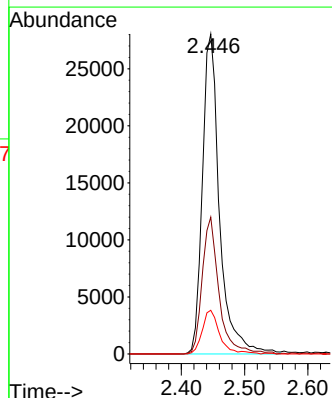
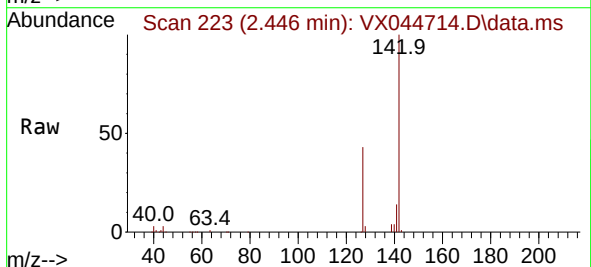
Instrument :
MSVOA_X
ClientSampleId :
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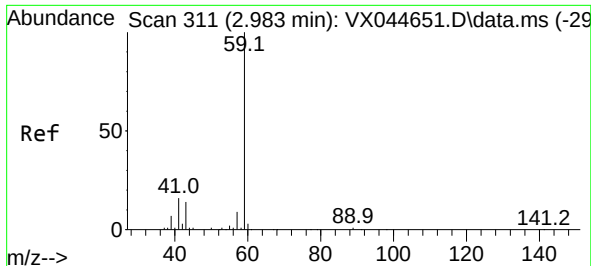
Tgt Ion:101 Resp: 42834
Ion Ratio Lower Upper
101 100
85 43.2 35.3 52.9
151 69.9 58.2 87.4



#10
Methyl Iodide
Concen: 16.675 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:142 Resp: 52896
Ion Ratio Lower Upper
142 100
127 42.0 35.0 52.4
141 13.9 11.7 17.5

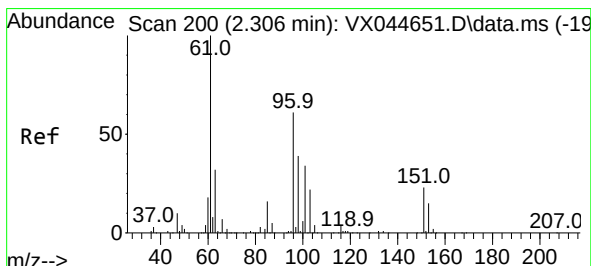
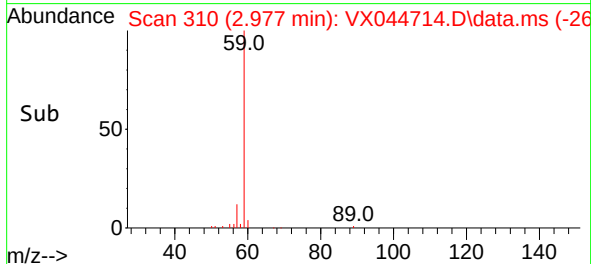
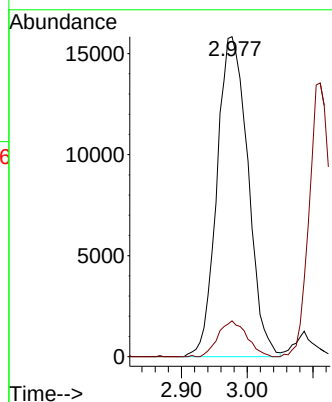
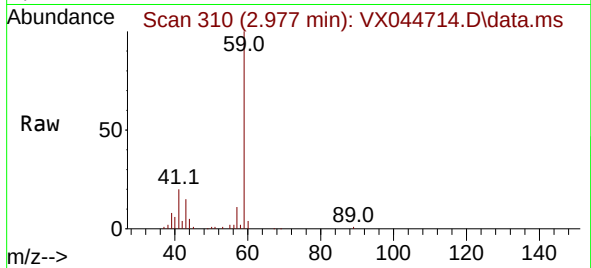




#11
Tert butyl alcohol
Concen: 79.447 ug/l
RT: 2.977 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

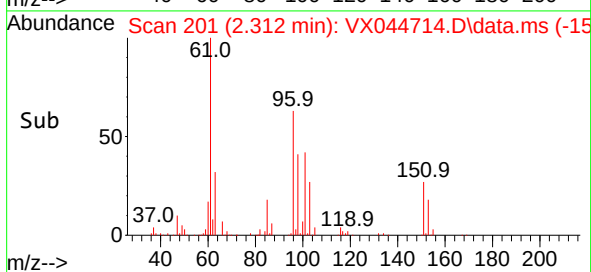
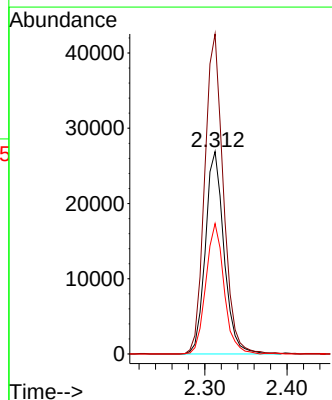
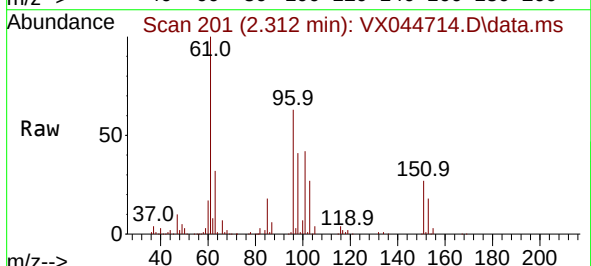
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

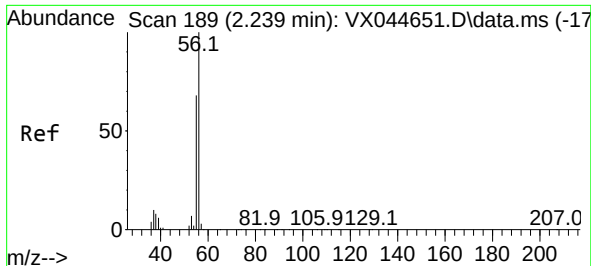
Tgt Ion: 59 Resp: 51998
Ion Ratio Lower Upper
59 100
57 10.3 3.9 5.9#



#12
1,1-Dichloroethene
Concen: 18.561 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 96 Resp: 42270
Ion Ratio Lower Upper
96 100
61 158.1 131.1 196.7
98 64.5 51.2 76.8

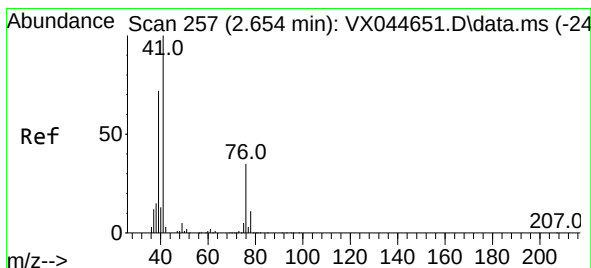
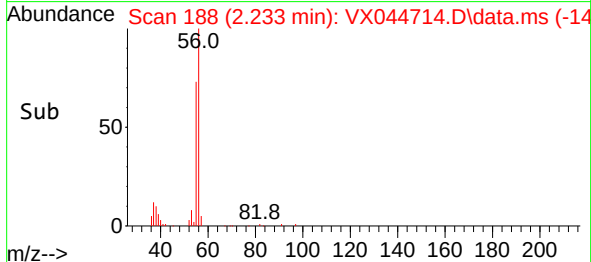
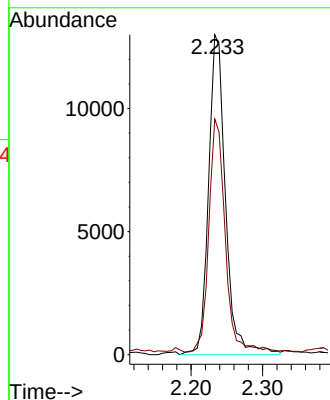
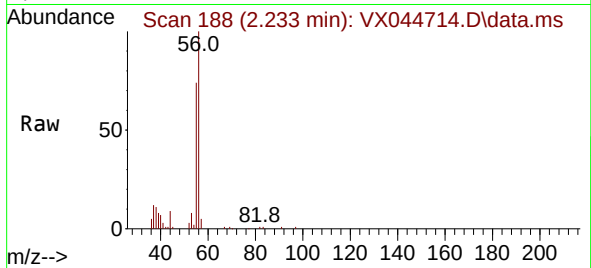




#13
Acrolein
Concen: 69.491 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

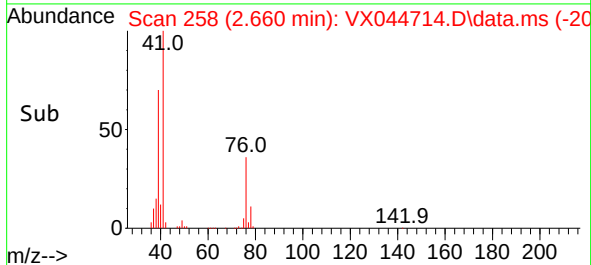
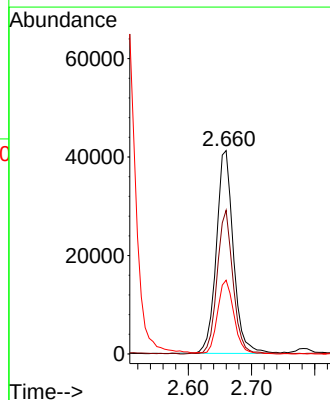
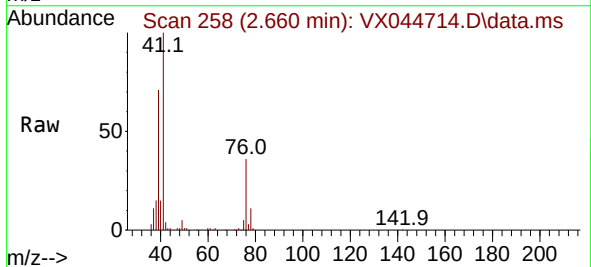
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

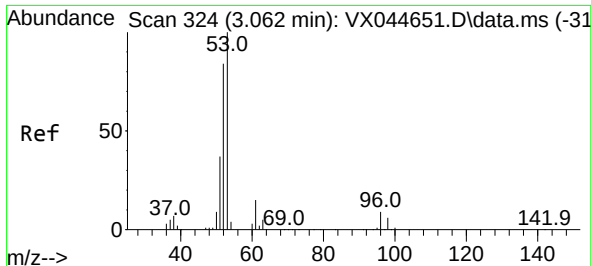
Tgt Ion: 56 Resp: 21403
Ion Ratio Lower Upper
56 100
55 69.7 55.1 82.7



#14
Allyl chloride
Concen: 17.385 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 41 Resp: 77088
Ion Ratio Lower Upper
41 100
39 66.4 54.9 82.3
76 35.1 28.4 42.6

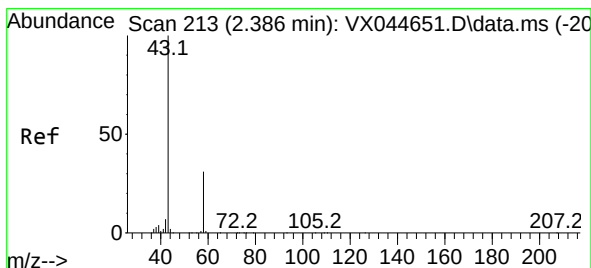
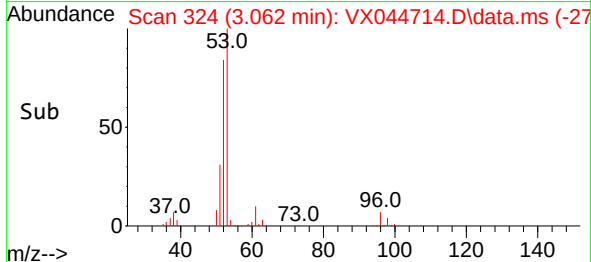
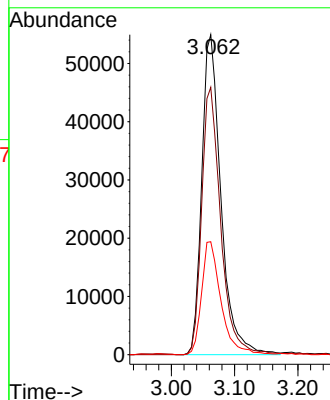
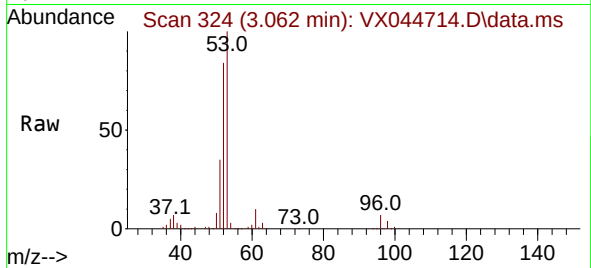




#15
Acrylonitrile
Concen: 90.479 ug/l
RT: 3.062 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

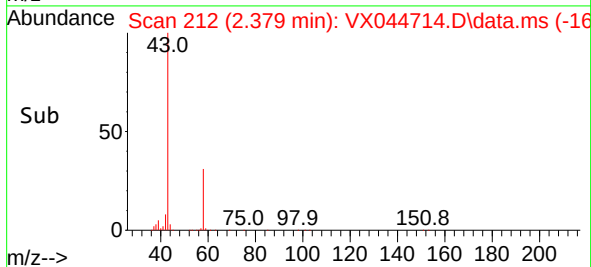
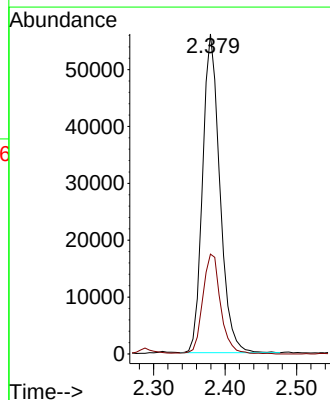
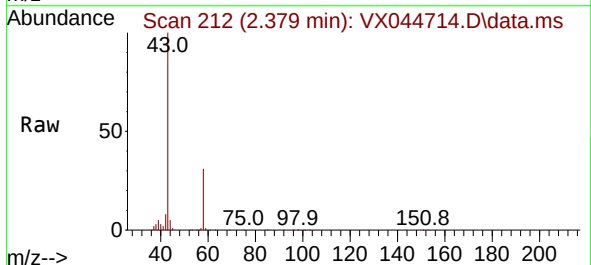
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

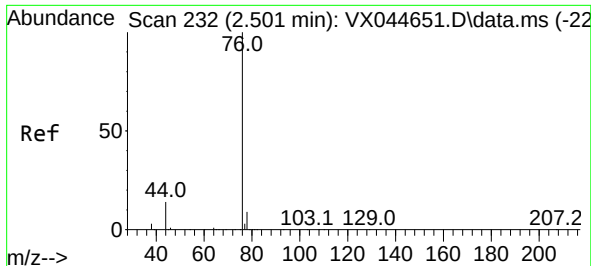
Tgt Ion: 53 Resp: 116149
Ion Ratio Lower Upper
53 100
52 82.8 66.0 99.0
51 35.7 28.9 43.3



#16
Acetone
Concen: 80.848 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 43 Resp: 93908
Ion Ratio Lower Upper
43 100
58 31.3 24.6 37.0

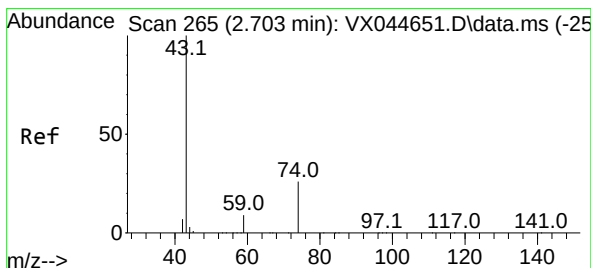
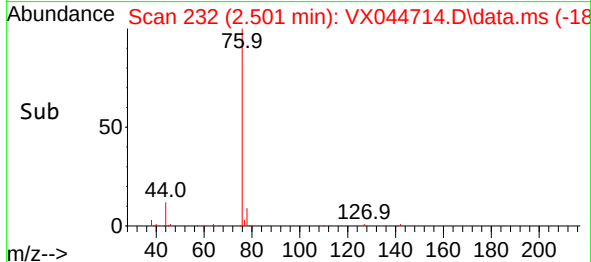
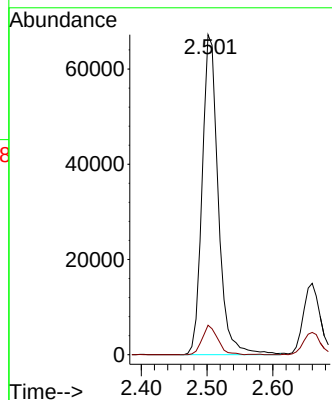
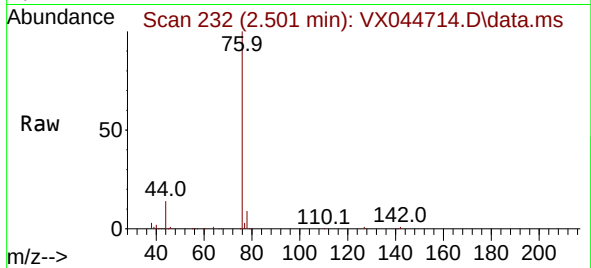




#17
Carbon Disulfide
Concen: 18.390 ug/l
RT: 2.501 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

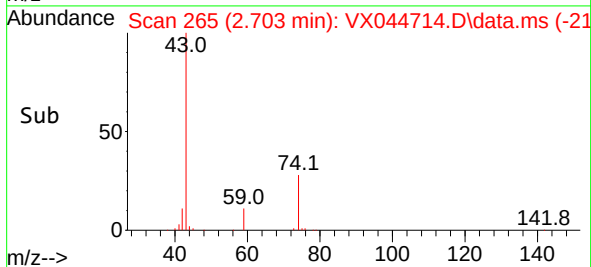
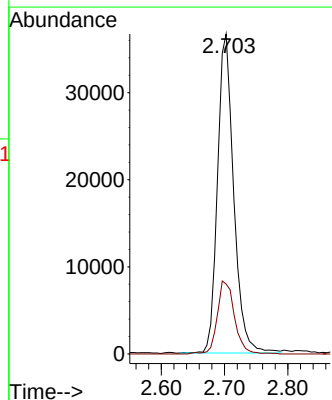
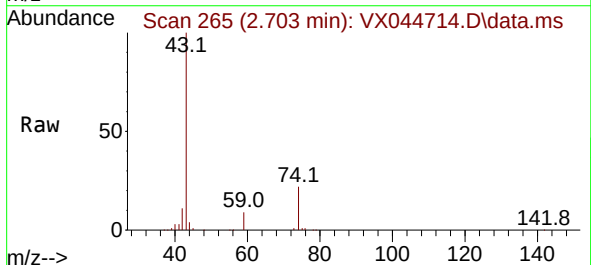
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

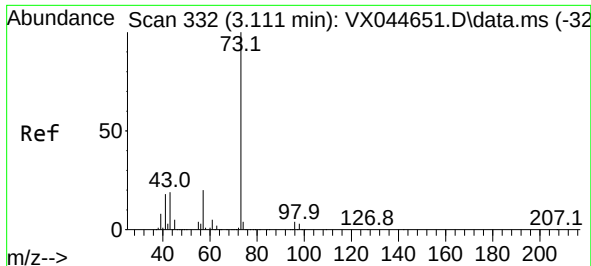
Tgt Ion: 76 Resp: 114283
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 18.085 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 43 Resp: 64807
Ion Ratio Lower Upper
43 100
74 24.4 19.8 29.8

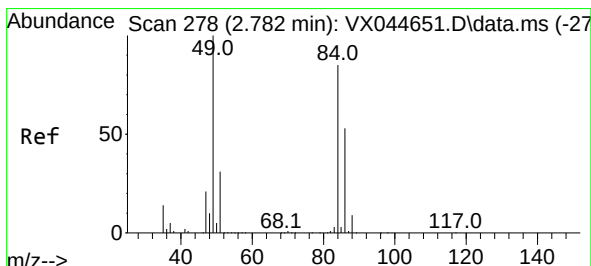
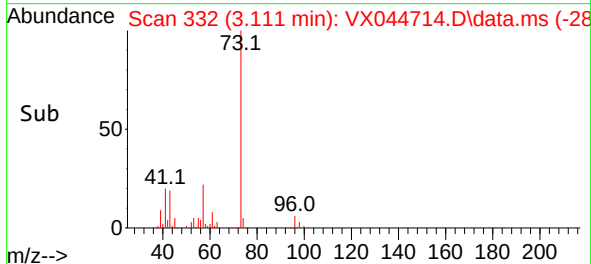
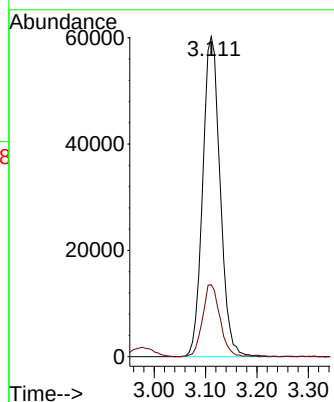
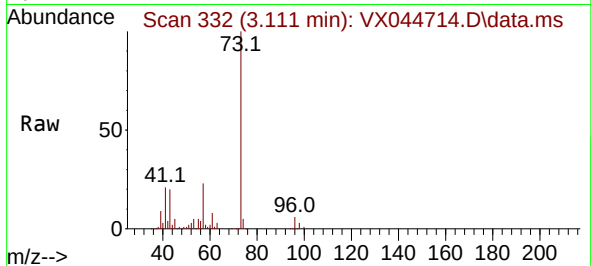




#19
Methyl tert-butyl Ether
Concen: 17.211 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

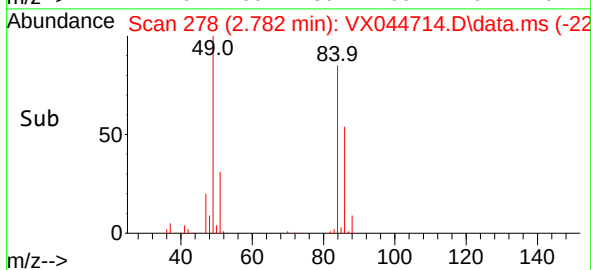
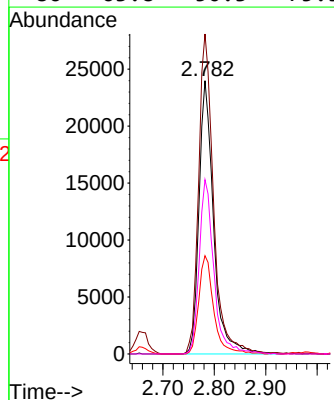
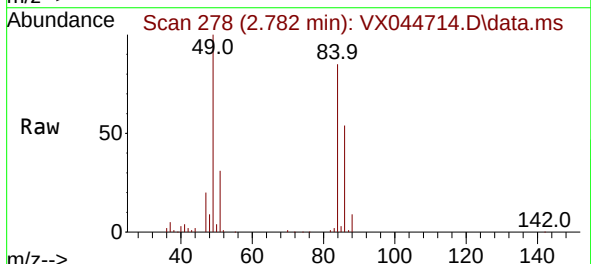
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

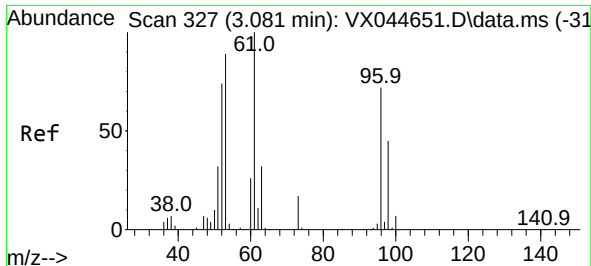
Tgt Ion: 73 Resp: 141970
Ion Ratio Lower Upper
73 100
57 22.5 17.4 26.0



#20
Methylene Chloride
Concen: 17.495 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 84 Resp: 47323
Ion Ratio Lower Upper
84 100
49 117.1 94.2 141.4
51 36.0 28.8 43.2
86 63.8 50.3 75.5

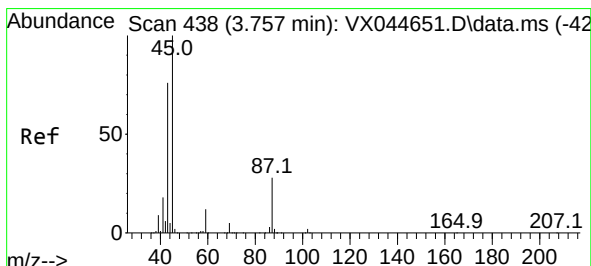
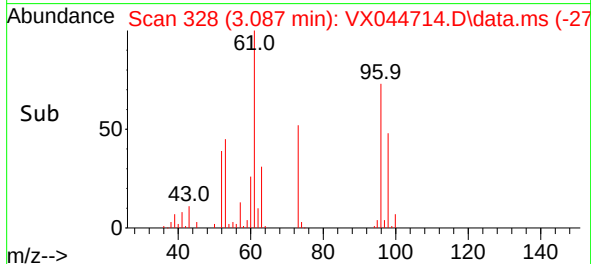
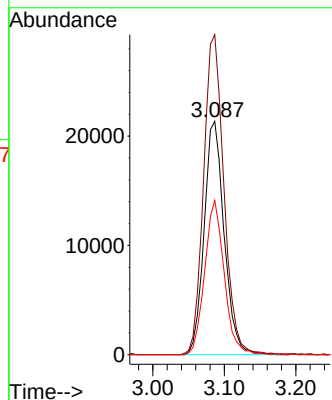
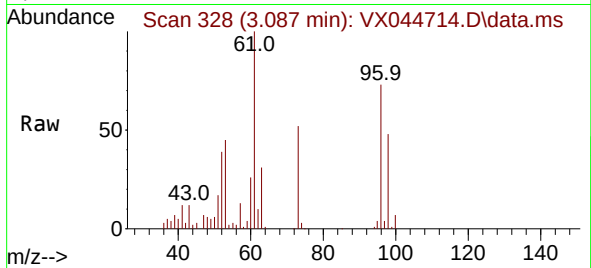




#21
trans-1,2-Dichloroethene
Concen: 17.501 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

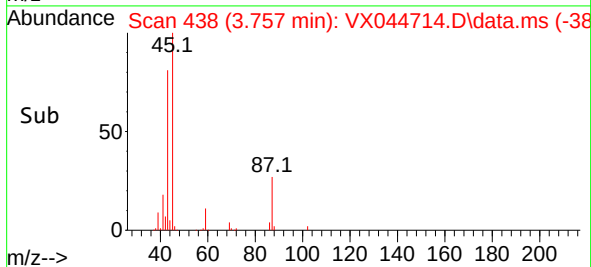
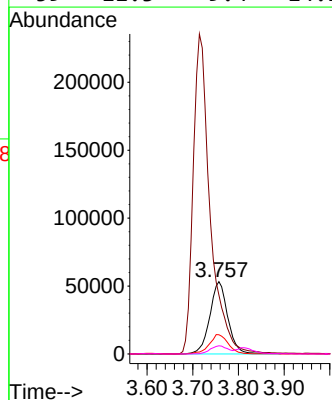
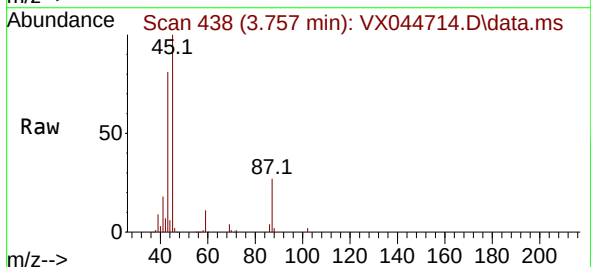
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

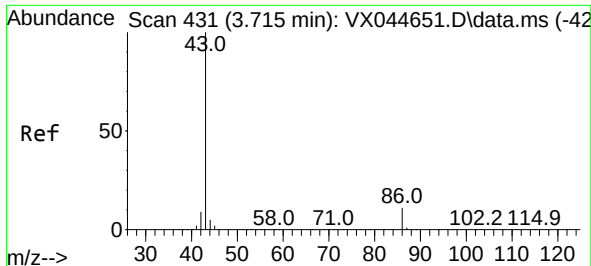
Tgt Ion: 96 Resp: 41613
Ion Ratio Lower Upper
96 100
61 137.2 111.0 166.6
98 66.2 50.2 75.2



#22
Diisopropyl ether
Concen: 18.916 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 45 Resp: 145799
Ion Ratio Lower Upper
45 100
43 81.0 61.0 91.6
87 26.6 22.7 34.1
59 11.3 9.4 14.2

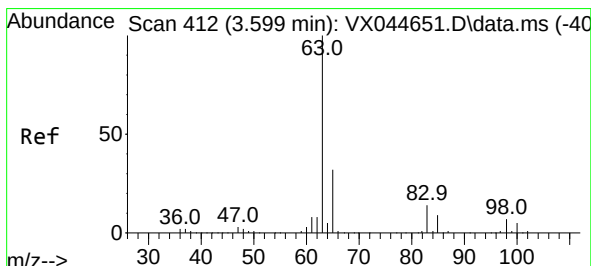
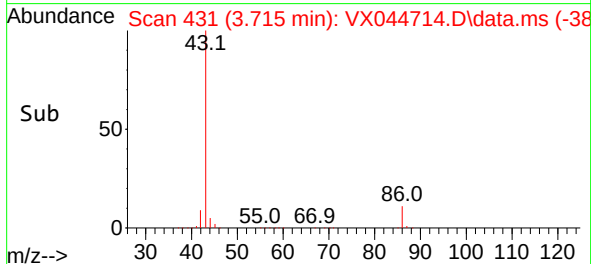
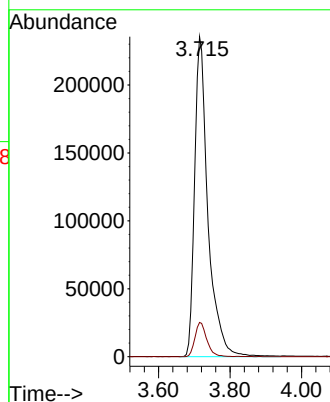
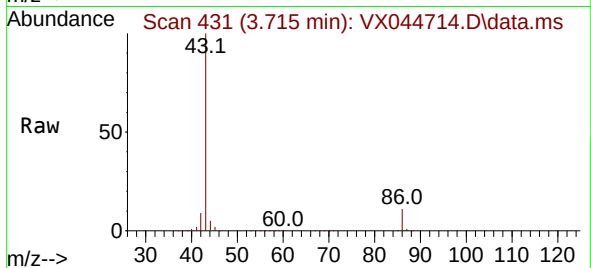




#23
 Vinyl Acetate
 Concen: 90.524 ug/l
 RT: 3.715 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX044714.D
 Acq: 27 Jan 2025 11:24

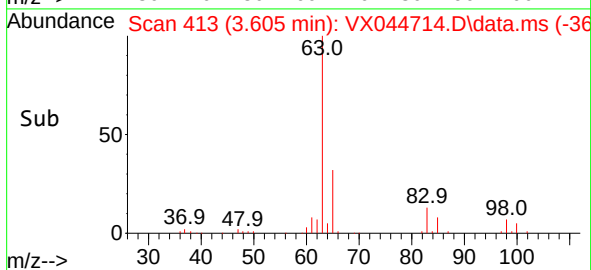
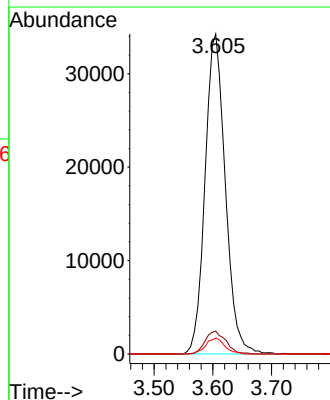
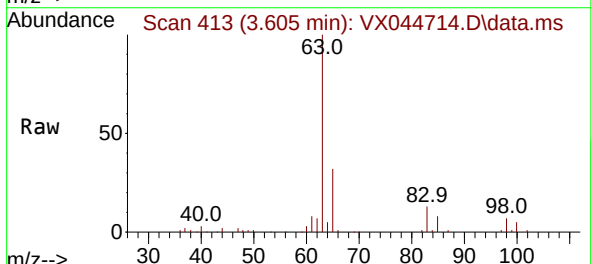
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBS01

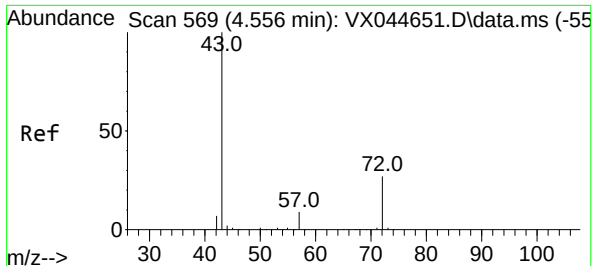
Tgt Ion: 43 Resp: 610713
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 17.974 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX044714.D
 Acq: 27 Jan 2025 11:24

Tgt Ion: 63 Resp: 82157
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.6 10.9
 100 4.9 2.5 7.5

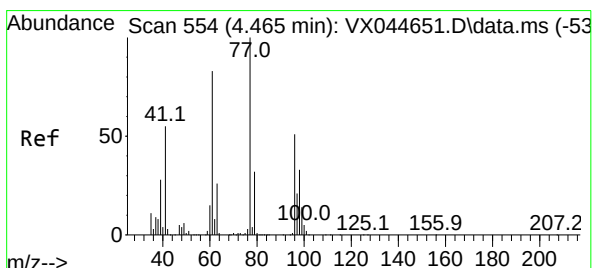
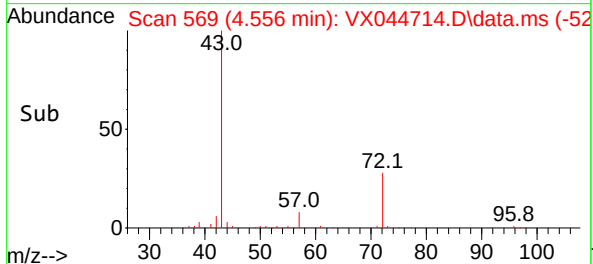
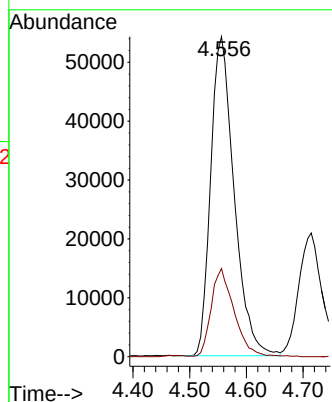
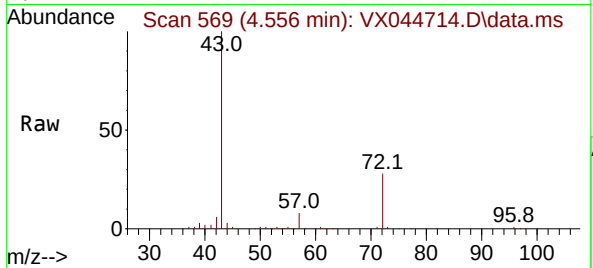




#25
2-Butanone
Concen: 90.078 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

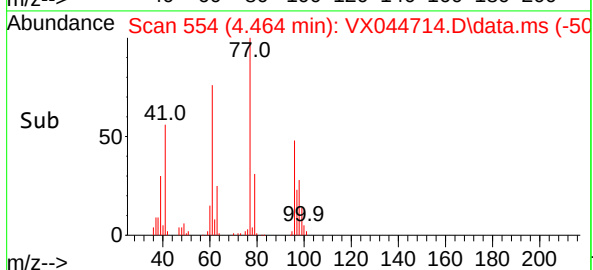
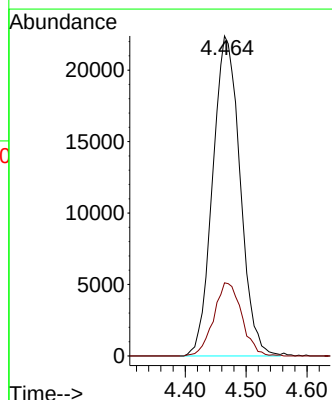
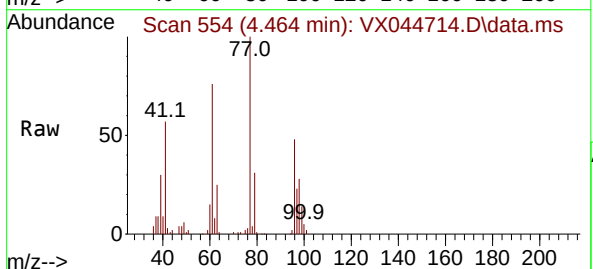
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

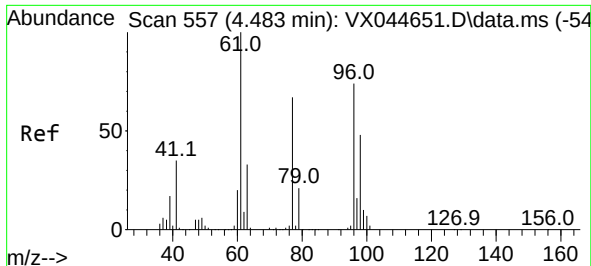
Tgt Ion: 43 Resp: 155565
Ion Ratio Lower Upper
43 100
72 27.4 21.7 32.5



#26
2,2-Dichloropropane
Concen: 15.804 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 77 Resp: 70010
Ion Ratio Lower Upper
77 100
97 23.4 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 17.390 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

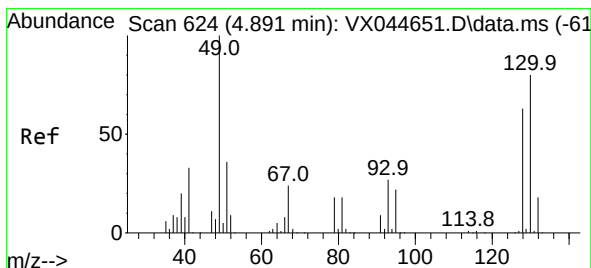
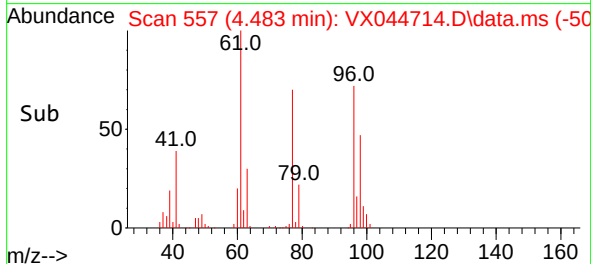
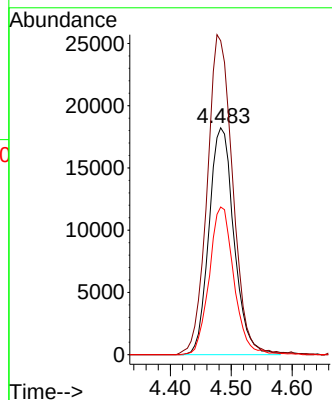
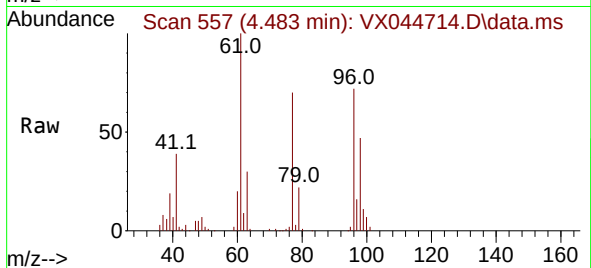
Tgt Ion: 96 Resp: 52012

Ion Ratio Lower Upper

96 100

61 144.6 0.0 296.0

98 64.3 0.0 130.0



#28

Bromochloromethane

Concen: 18.575 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

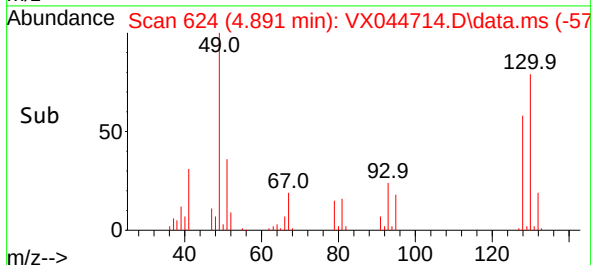
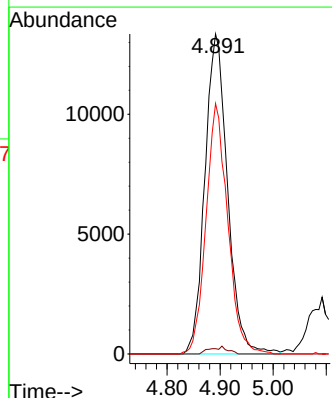
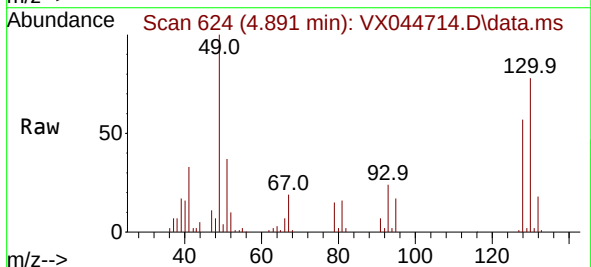
Tgt Ion: 49 Resp: 39674

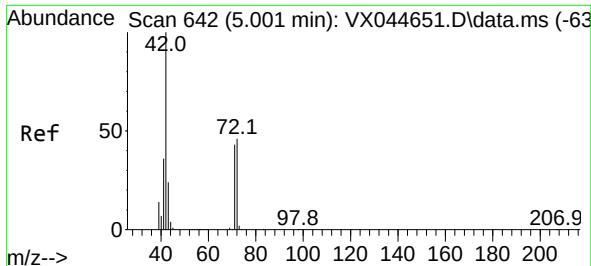
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.4

130 74.9 63.4 95.2





#29

Tetrahydrofuran

Concen: 90.213 ug/l

RT: 5.001 min Scan# 642

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

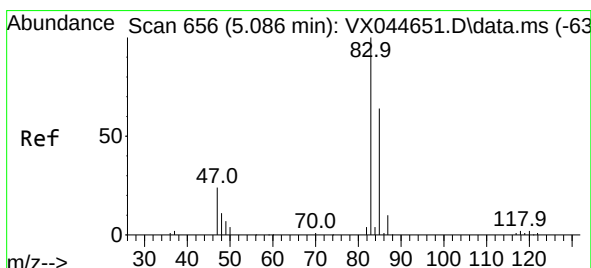
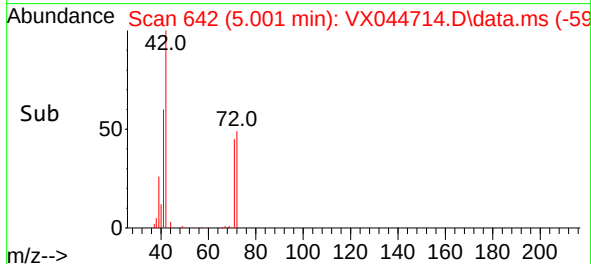
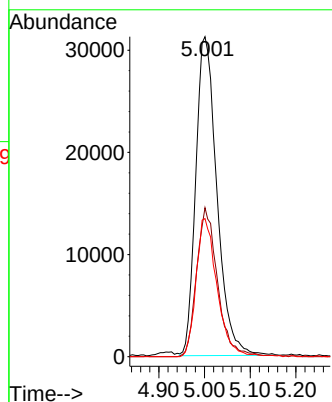
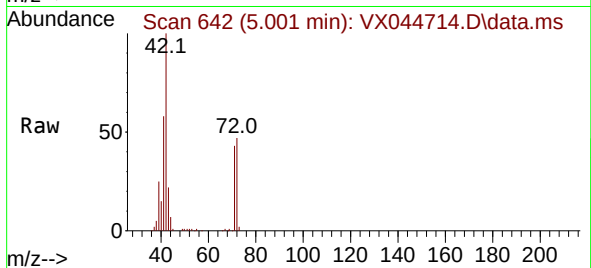
Tgt Ion: 42 Resp: 100494

Ion Ratio Lower Upper

42 100

72 46.0 38.2 57.4

71 42.8 35.3 52.9



#30

Chloroform

Concen: 17.339 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX044714.D

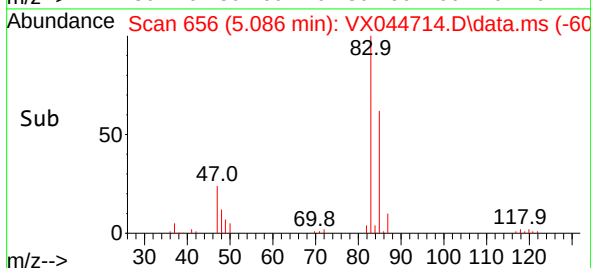
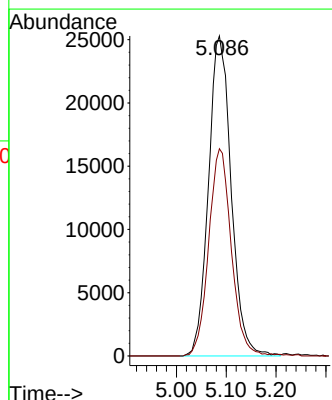
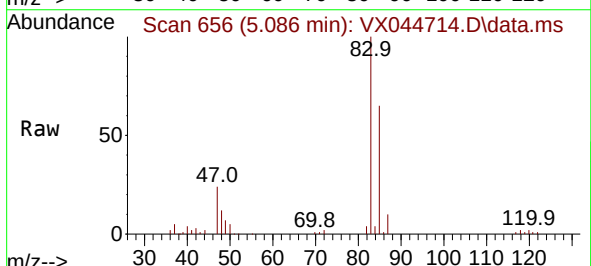
Acq: 27 Jan 2025 11:24

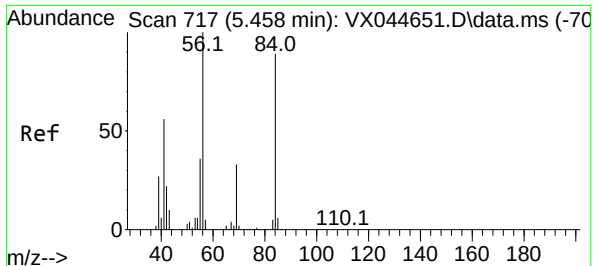
Tgt Ion: 83 Resp: 79982

Ion Ratio Lower Upper

83 100

85 64.8 51.2 76.8

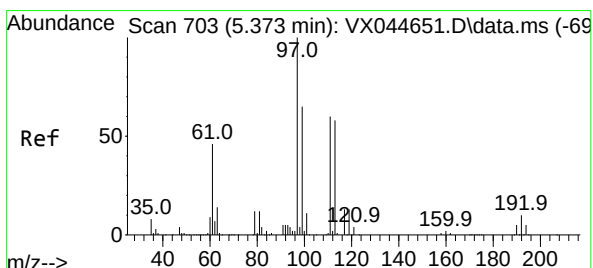
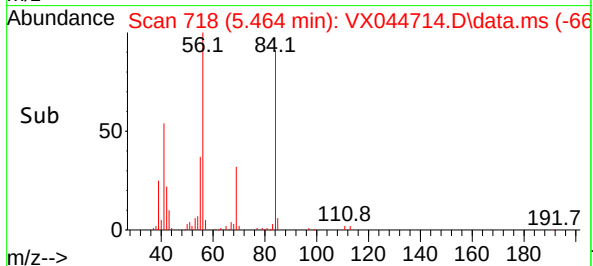
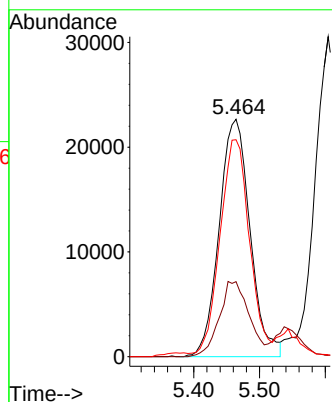
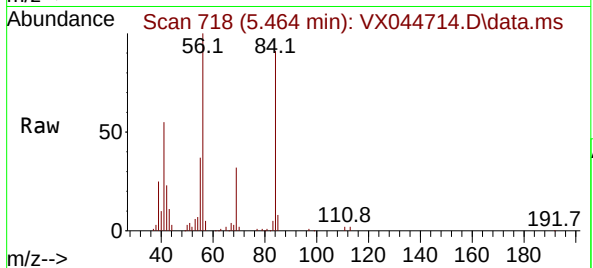




#31
Cyclohexane
Concen: 20.018 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

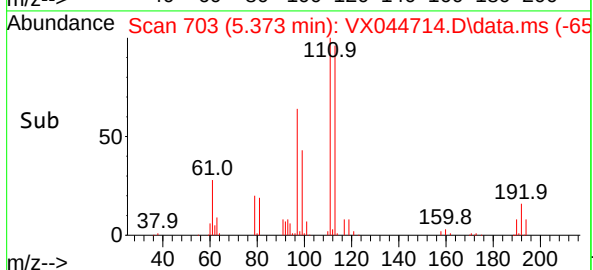
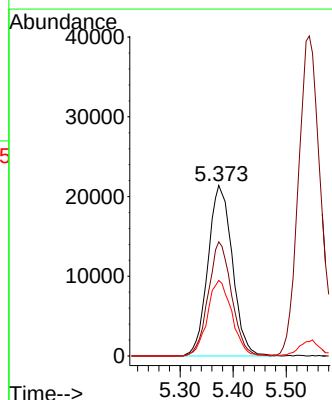
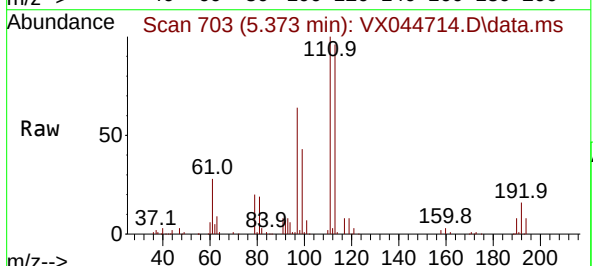
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

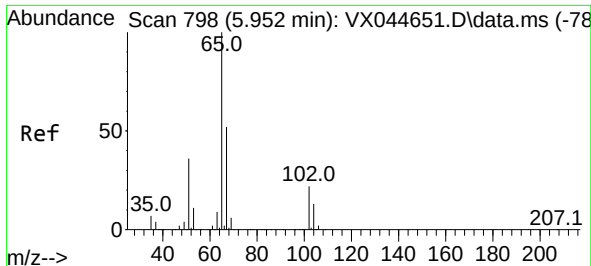
Tgt Ion: 56 Resp: 74004
Ion Ratio Lower Upper
56 100
69 31.6 26.8 40.2
84 89.8 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 16.122 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 97 Resp: 68369
Ion Ratio Lower Upper
97 100
99 63.9 51.6 77.4
61 44.4 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 41.574 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

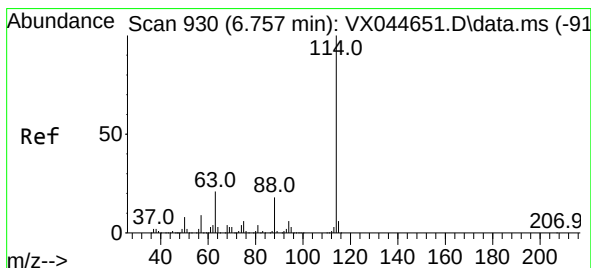
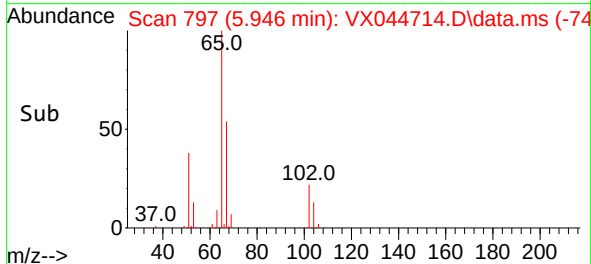
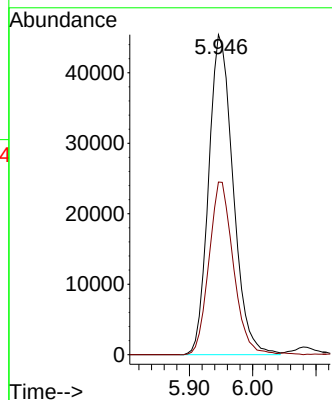
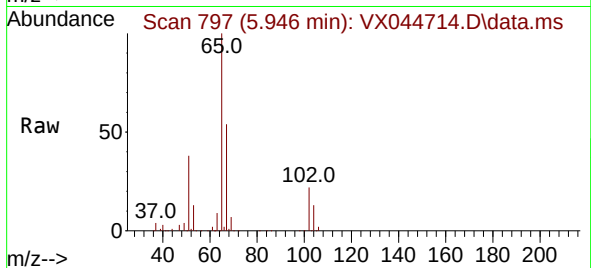
VX0127WBS01

Tgt Ion: 65 Resp: 122056

Ion Ratio Lower Upper

65 100

67 53.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

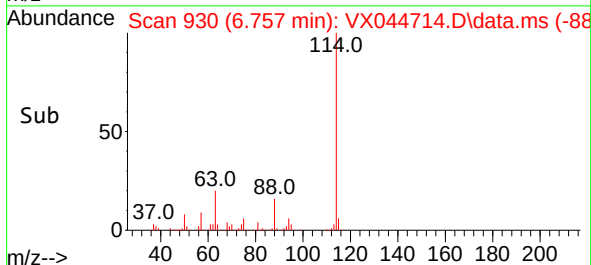
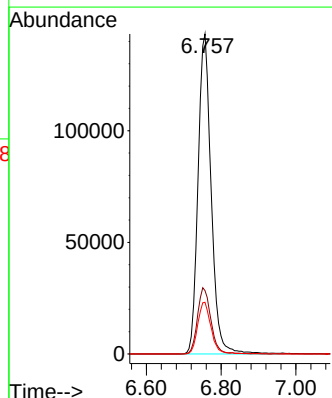
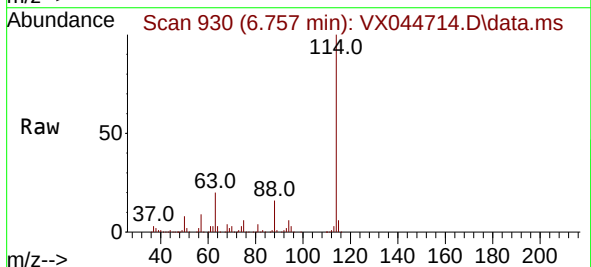
Tgt Ion: 114 Resp: 349402

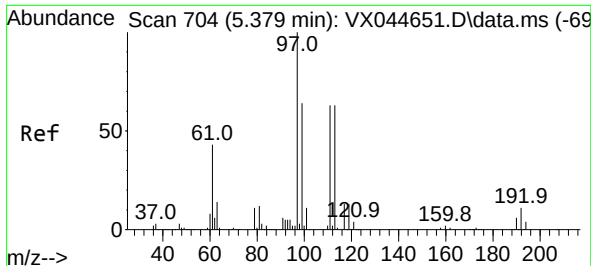
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.0

88 16.2 0.0 35.4

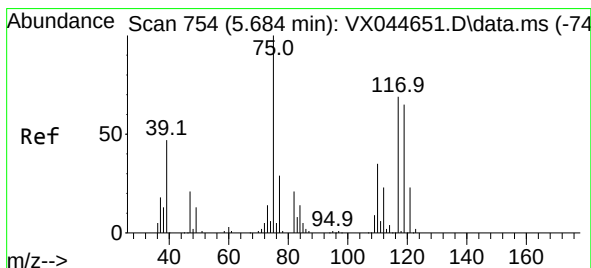
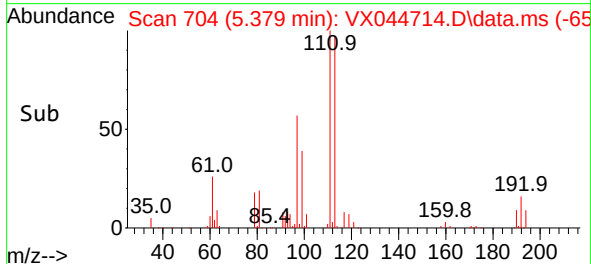
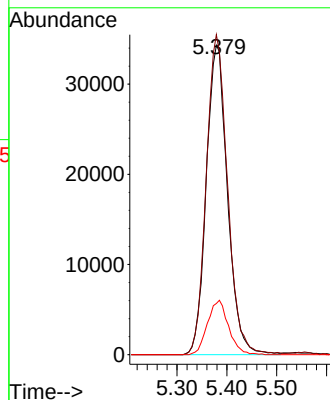
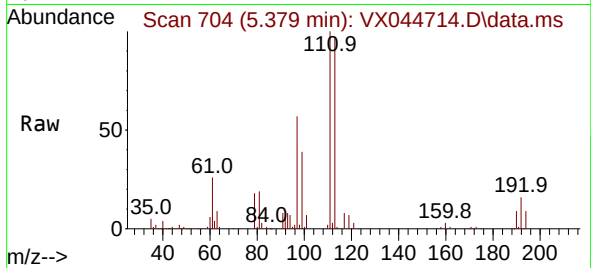




#35
Dibromofluoromethane
Concen: 45.811 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

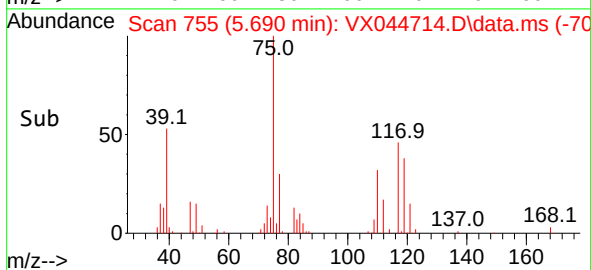
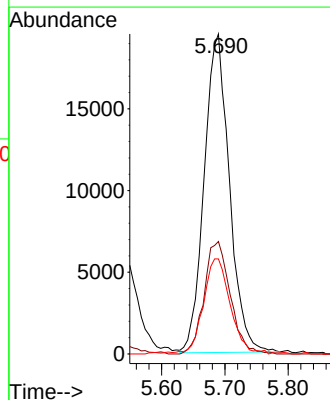
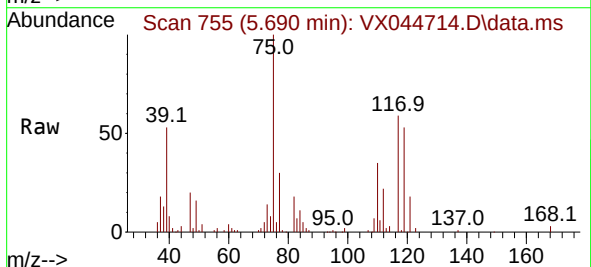
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

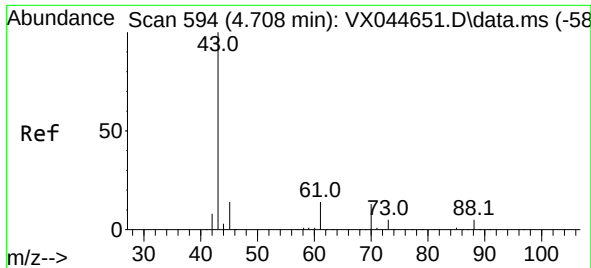
Tgt Ion:113 Resp: 101687
Ion Ratio Lower Upper
113 100
111 103.5 81.6 122.4
192 17.4 14.4 21.6



#36
1,1-Dichloropropene
Concen: 17.510 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 75 Resp: 54103
Ion Ratio Lower Upper
75 100
110 36.5 17.9 53.8
77 31.0 24.5 36.7





#37

Ethyl Acetate

Concen: 18.069 ug/l

RT: 4.714 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

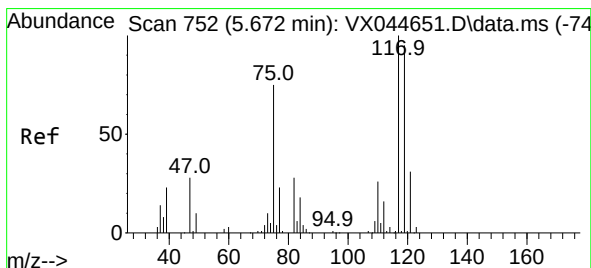
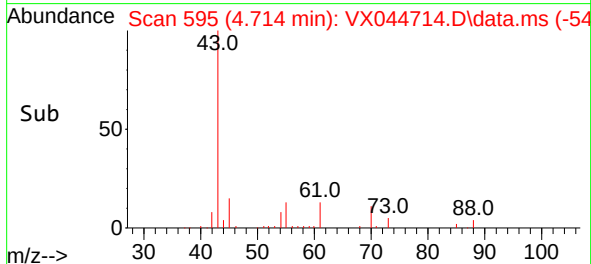
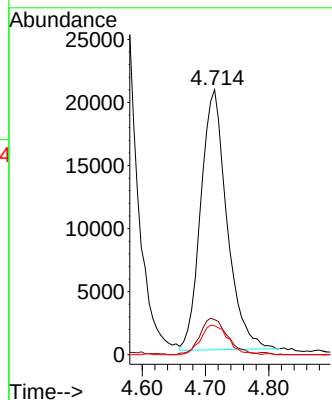
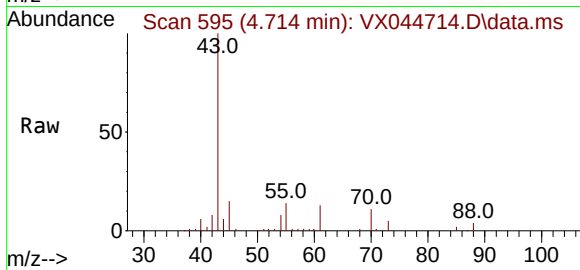
Tgt Ion: 43 Resp: 59455

Ion Ratio Lower Upper

43 100

61 14.6 10.9 16.3

70 11.9 10.1 15.1



#38

Carbon Tetrachloride

Concen: 16.744 ug/l

RT: 5.672 min Scan# 752

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

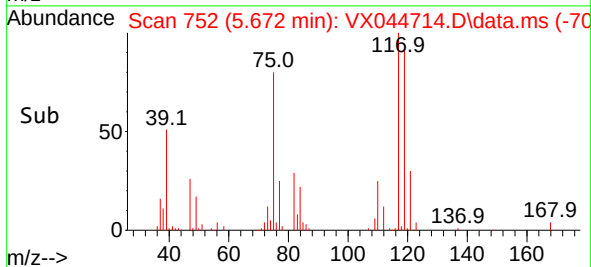
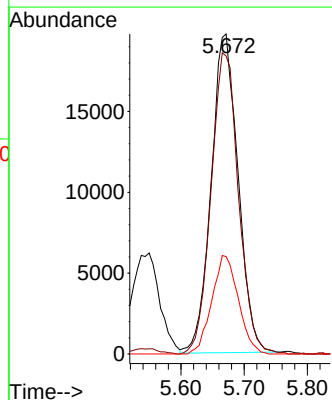
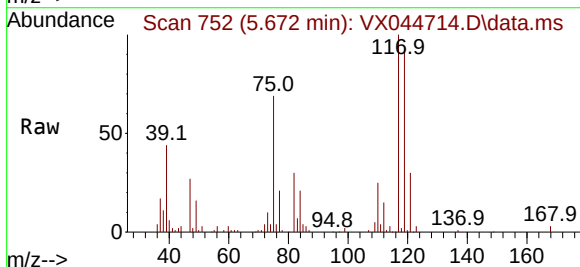
Tgt Ion: 117 Resp: 58196

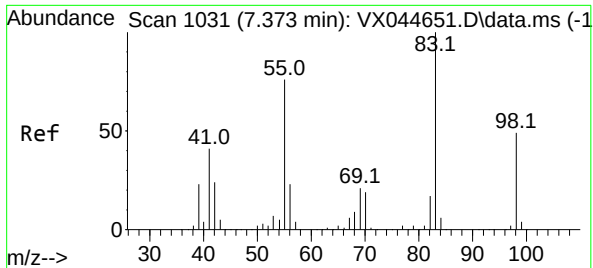
Ion Ratio Lower Upper

117 100

119 93.6 76.0 114.0

121 30.6 24.6 36.8

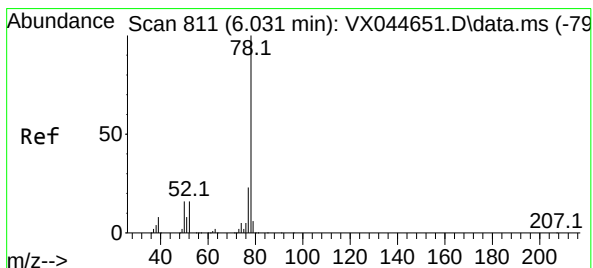
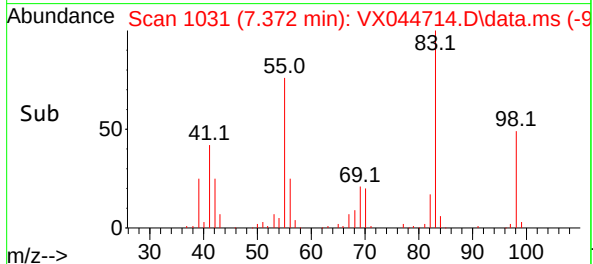
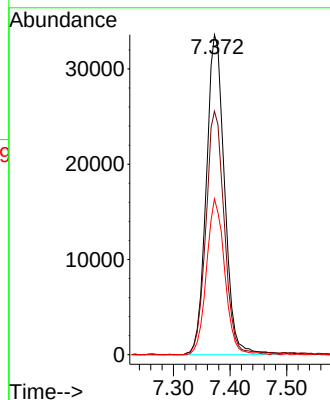
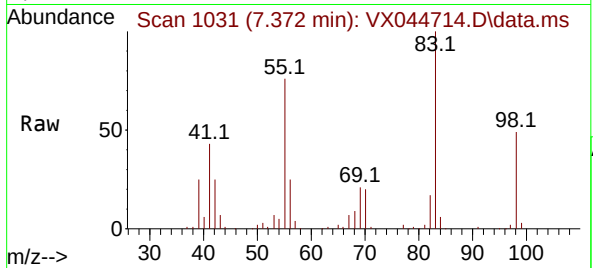




#39
Methylcyclohexane
Concen: 18.324 ug/l
RT: 7.372 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

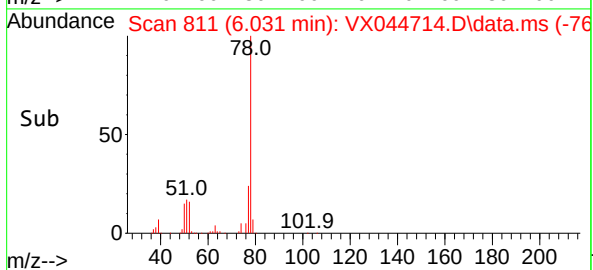
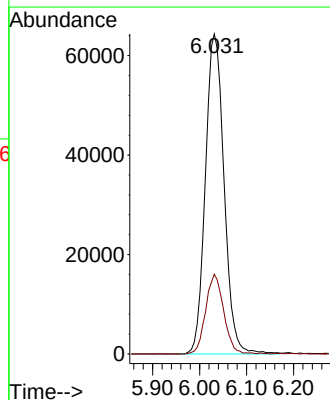
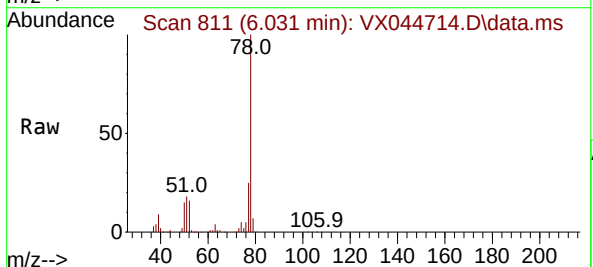
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

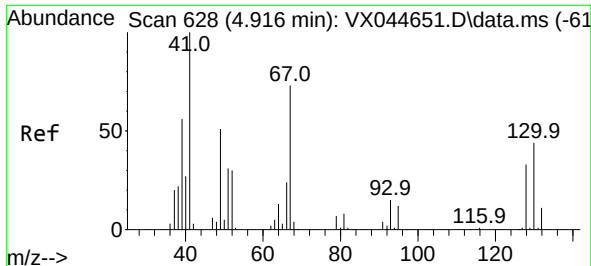
Tgt Ion: 83 Resp: 75160
Ion Ratio Lower Upper
83 100
55 76.1 60.5 90.7
98 48.7 39.0 58.4



#40
Benzene
Concen: 18.544 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 78 Resp: 177558
Ion Ratio Lower Upper
78 100
77 25.0 18.7 28.1

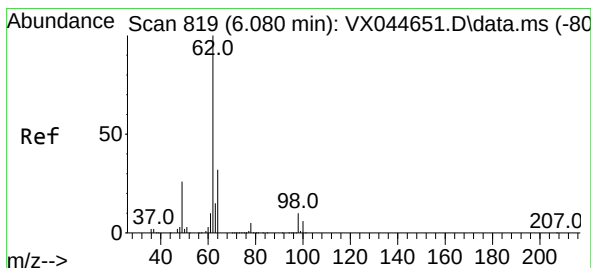
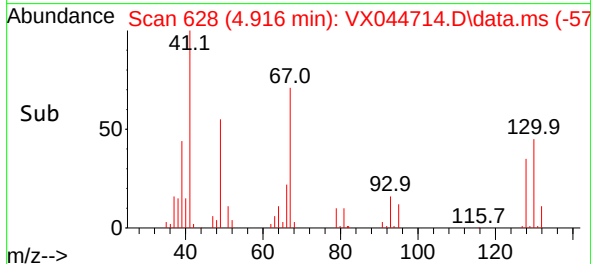
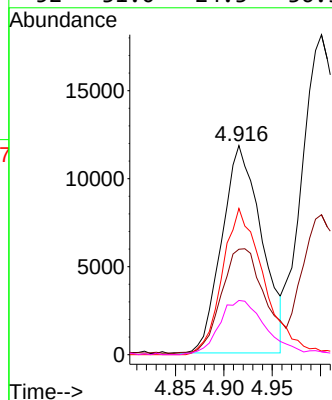
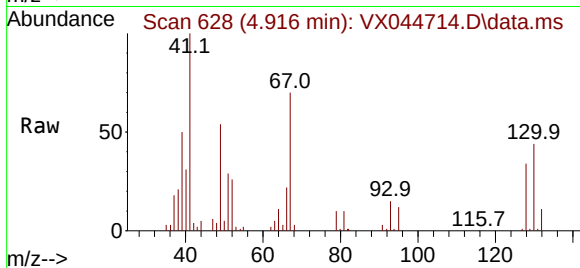




#41
Methacrylonitrile
Concen: 17.612 ug/l
RT: 4.916 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

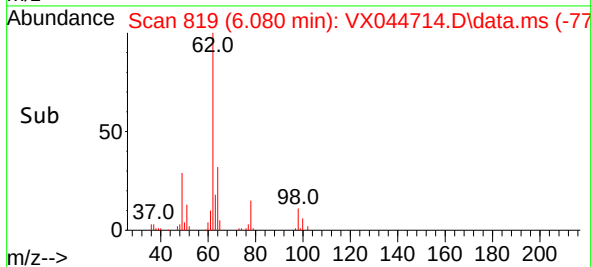
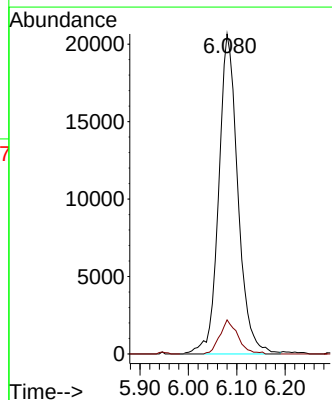
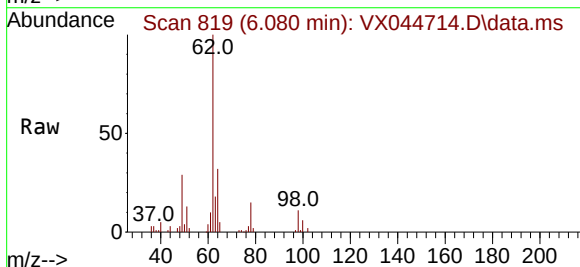
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

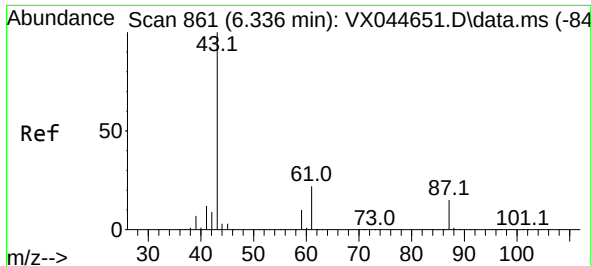
Tgt Ion:	41	Resp:	33769
Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.4	66.6
67	74.5	60.6	90.8
52	31.0	24.3	36.5



#42
1,2-Dichloroethane
Concen: 16.294 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:	62	Resp:	56940
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4

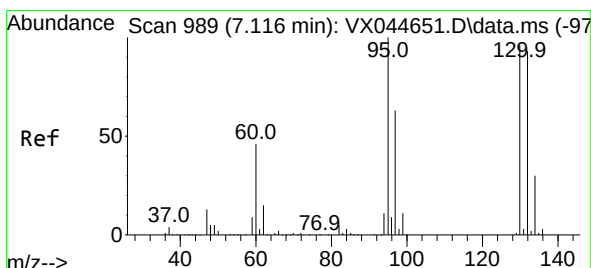
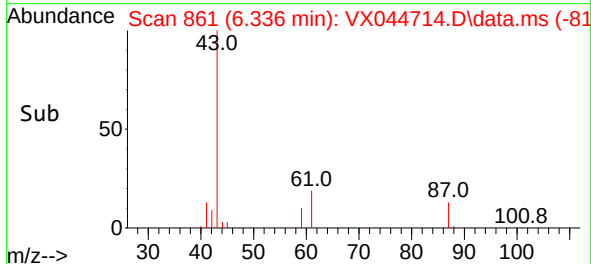
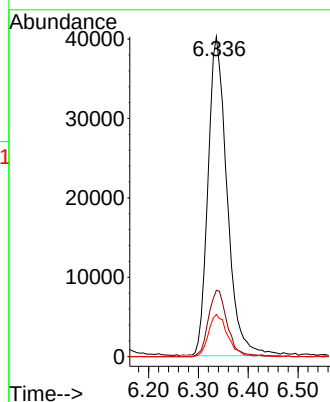
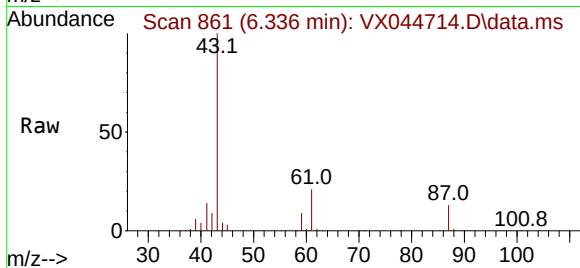




#43
Isopropyl Acetate
Concen: 17.670 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

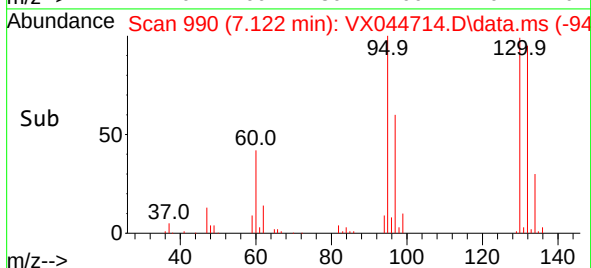
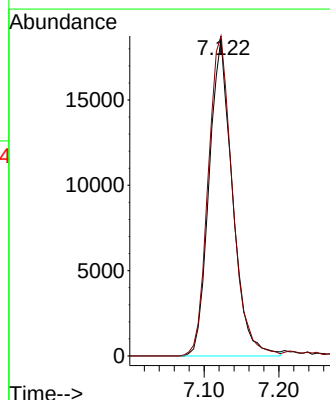
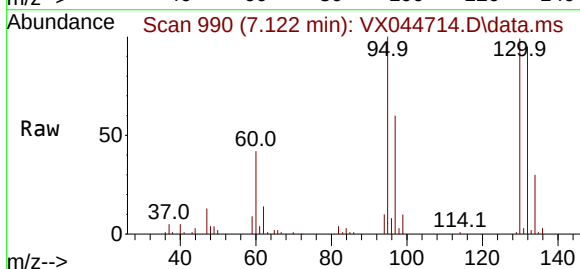
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

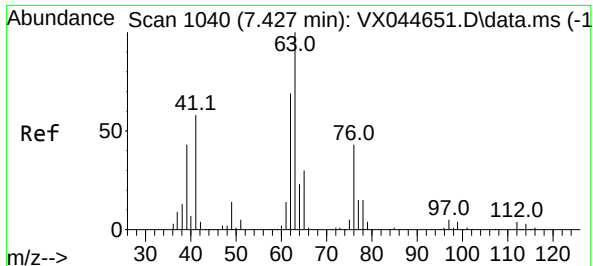
Tgt Ion: 43 Resp: 106960
Ion Ratio Lower Upper
43 100
61 20.9 16.6 24.8
87 13.2 11.0 16.6



#44
Trichloroethene
Concen: 17.501 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:130 Resp: 40285
Ion Ratio Lower Upper
130 100
95 100.8 0.0 208.2





#45

1,2-Dichloropropane

Concen: 18.632 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

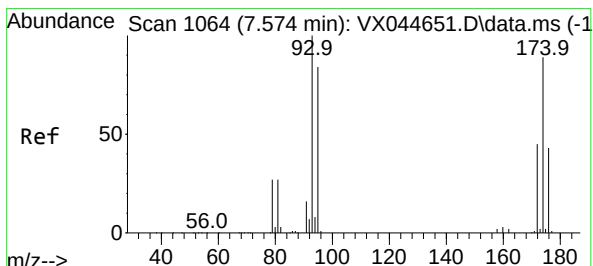
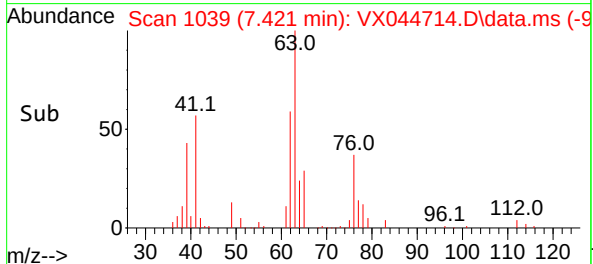
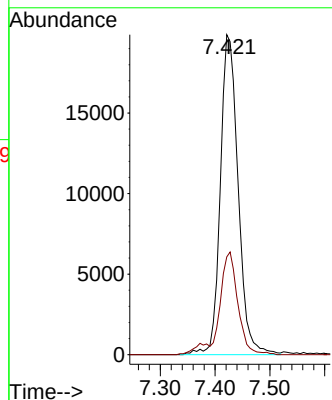
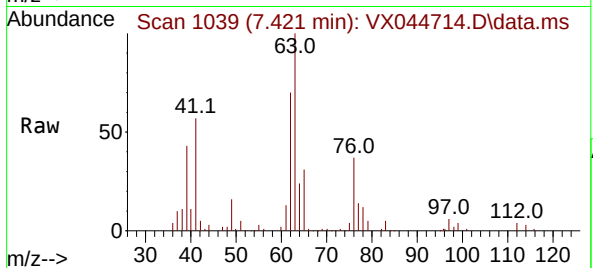
VX0127WBS01

Tgt Ion: 63 Resp: 44906

Ion Ratio Lower Upper

63 100

65 30.6 24.2 36.2



#46

Dibromomethane

Concen: 17.306 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

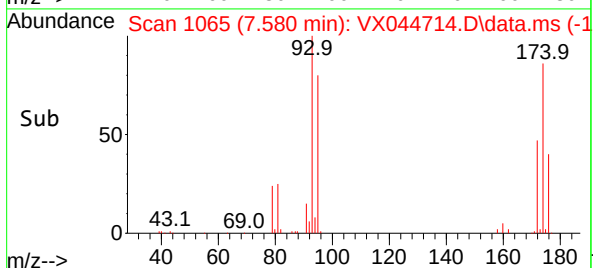
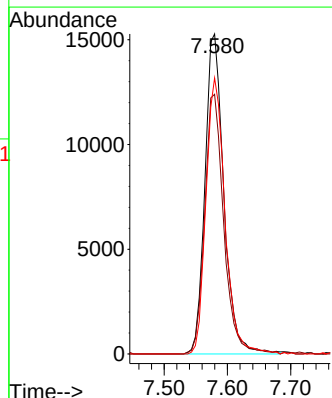
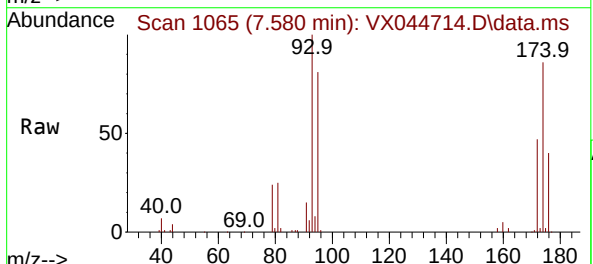
Tgt Ion: 93 Resp: 31751

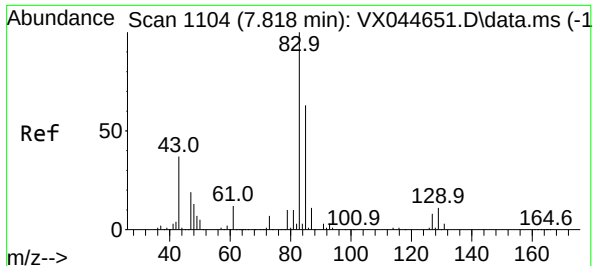
Ion Ratio Lower Upper

93 100

95 82.1 66.4 99.6

174 86.9 72.0 108.0

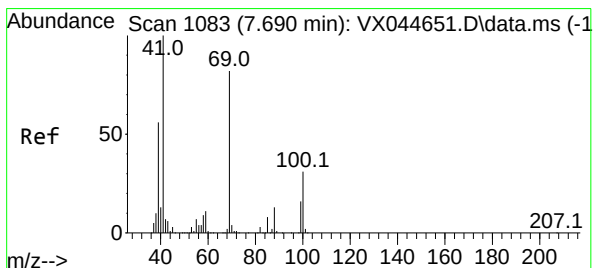
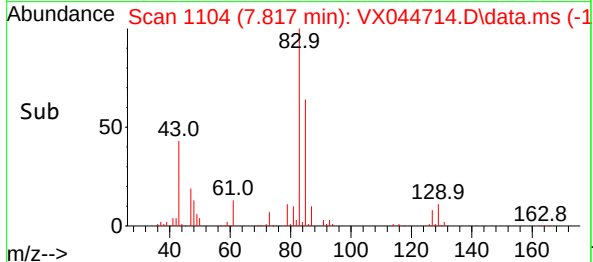
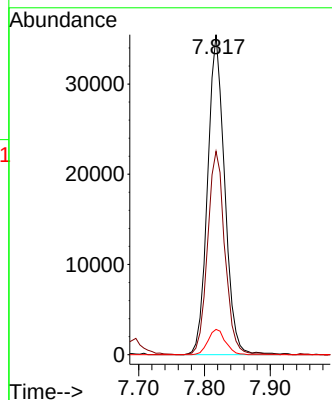
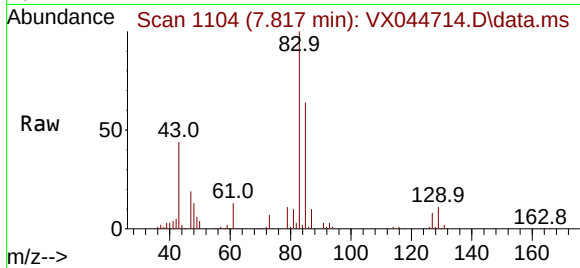




#47
Bromodichloromethane
Concen: 17.015 ug/l
RT: 7.817 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

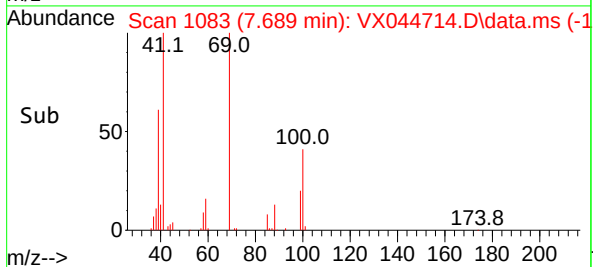
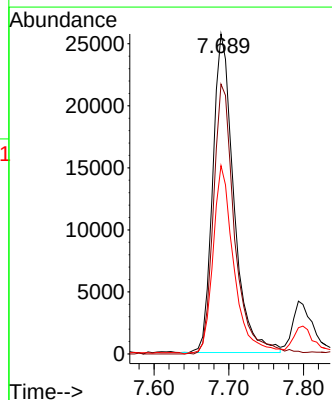
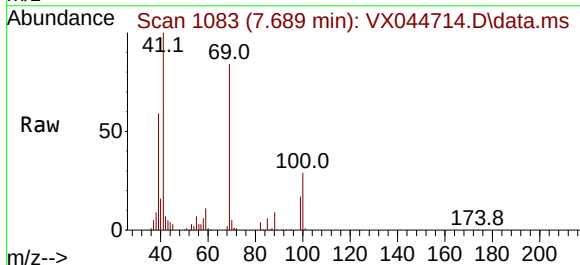
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

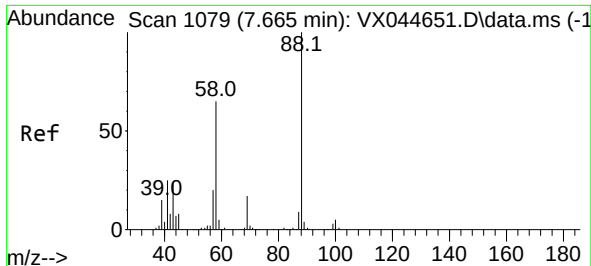
Tgt Ion: 83 Resp: 64021
Ion Ratio Lower Upper
83 100
85 63.6 50.1 75.1
127 7.9 6.5 9.7



#48
Methyl methacrylate
Concen: 17.957 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 41 Resp: 50455
Ion Ratio Lower Upper
41 100
69 85.4 66.8 100.2
39 58.3 47.4 71.0





#49

1,4-Dioxane

Concen: 381.373 ug/l

RT: 7.659 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

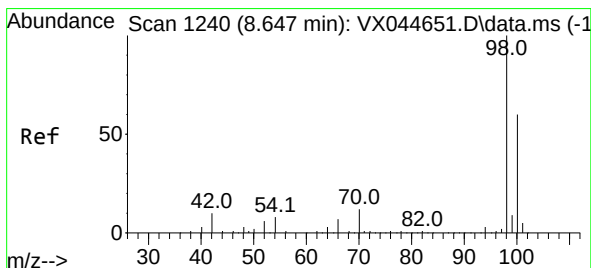
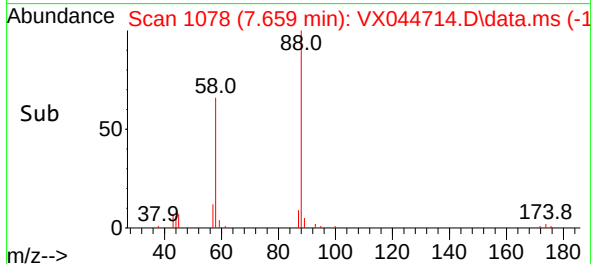
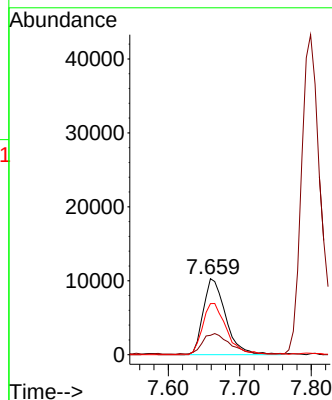
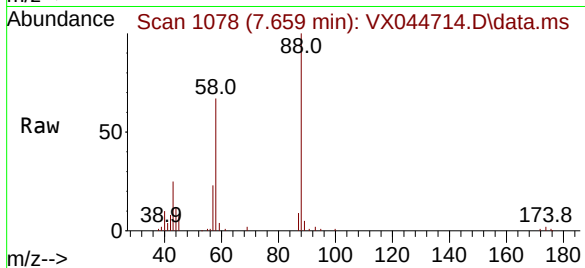
Tgt Ion: 88 Resp: 22357

Ion Ratio Lower Upper

88 100

43 32.9 27.0 40.4

58 71.3 55.8 83.8



#50

Toluene-d8

Concen: 48.375 ug/l

RT: 8.640 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX044714.D

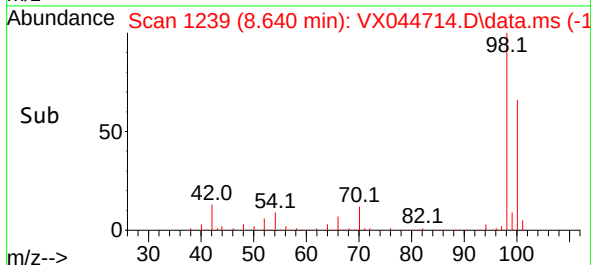
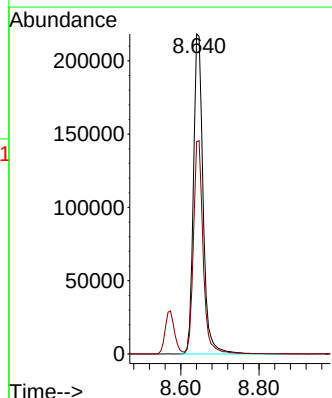
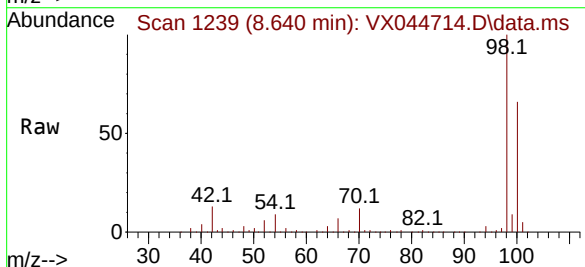
Acq: 27 Jan 2025 11:24

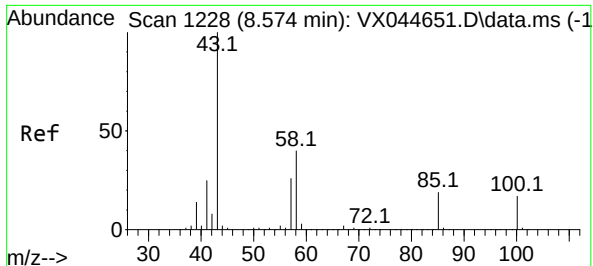
Tgt Ion: 98 Resp: 374408

Ion Ratio Lower Upper

98 100

100 66.4 53.2 79.8

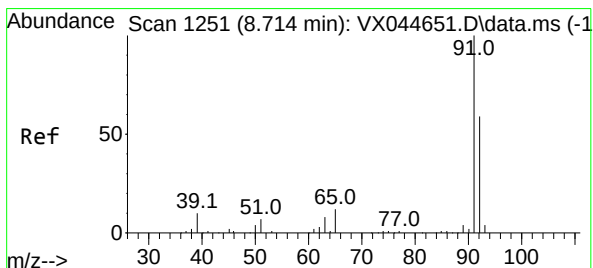
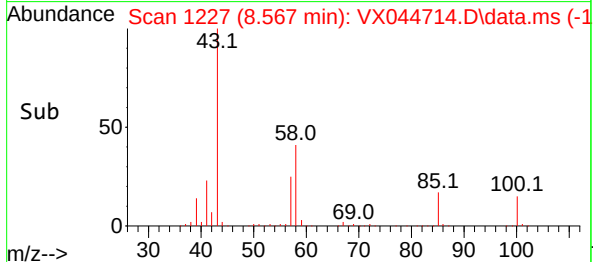
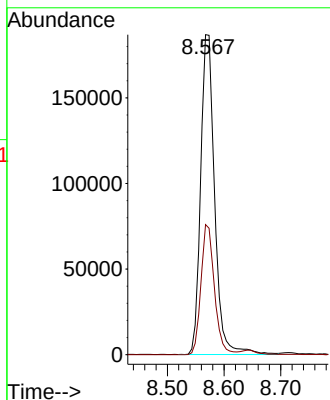
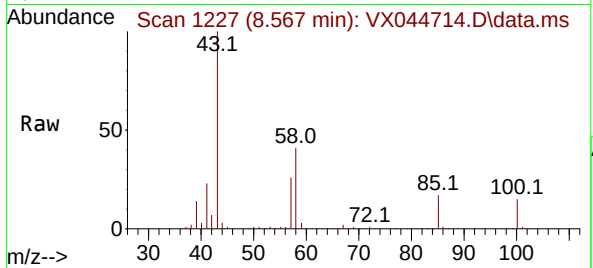




#51
4-Methyl-2-Pentanone
Concen: 95.928 ug/l
RT: 8.567 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

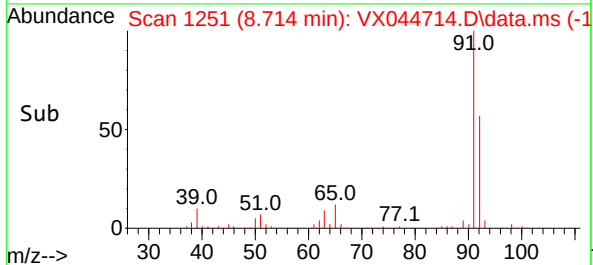
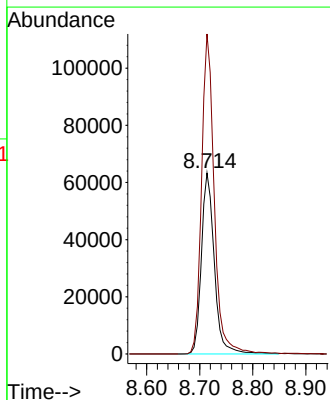
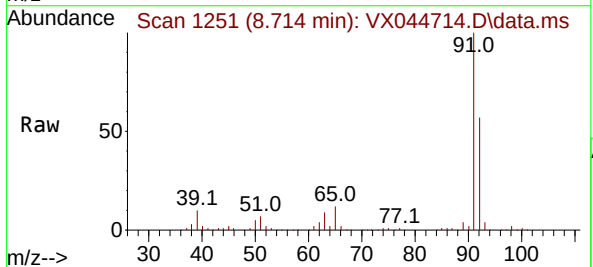
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

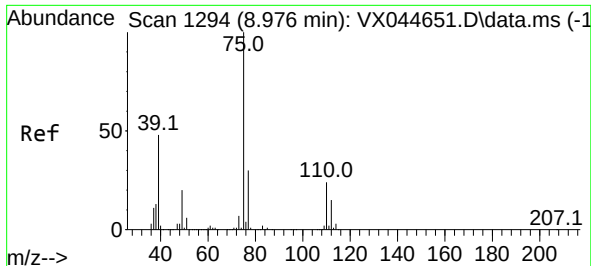
Tgt Ion: 43 Resp: 320897
Ion Ratio Lower Upper
43 100
58 39.1 31.9 47.9



#52
Toluene
Concen: 18.310 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 92 Resp: 107306
Ion Ratio Lower Upper
92 100
91 173.3 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 17.231 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

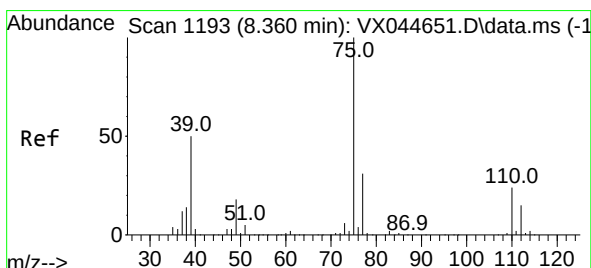
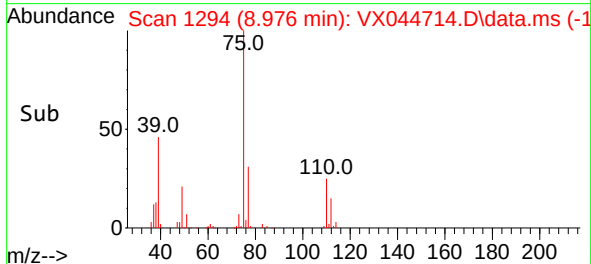
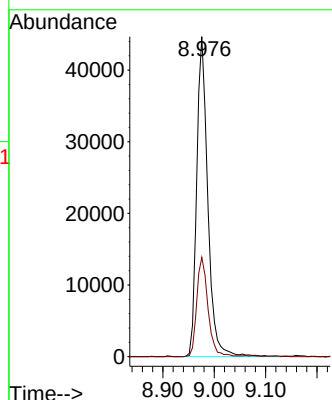
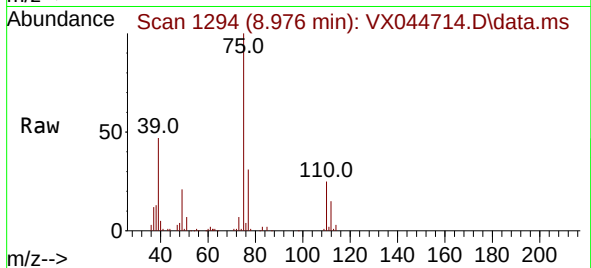
VX0127WBS01

Tgt Ion: 75 Resp: 66983

Ion Ratio Lower Upper

75 100

77 31.1 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 17.484 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

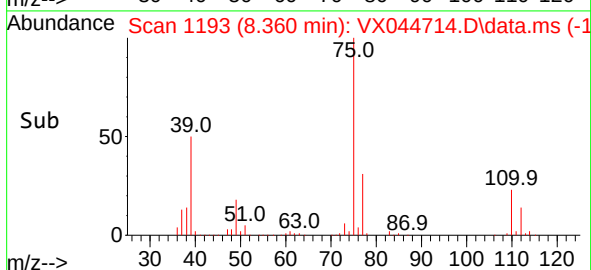
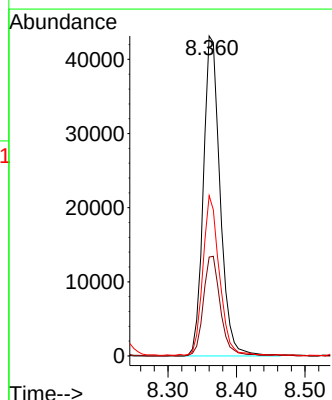
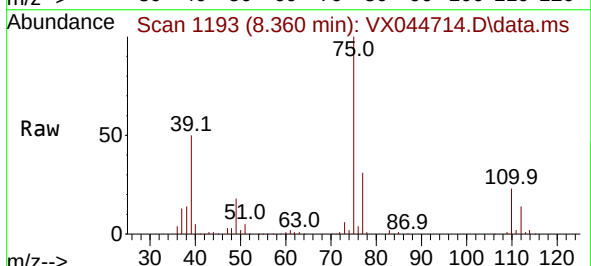
Tgt Ion: 75 Resp: 73698

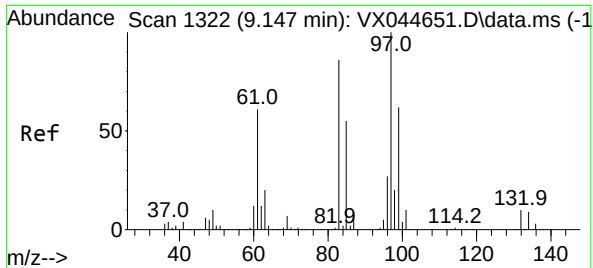
Ion Ratio Lower Upper

75 100

77 30.9 25.1 37.7

39 49.7 40.3 60.5

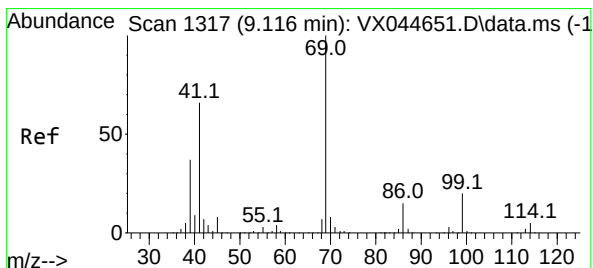
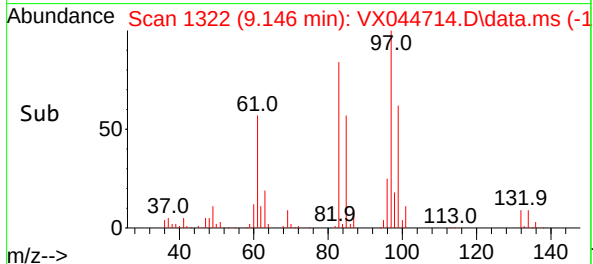
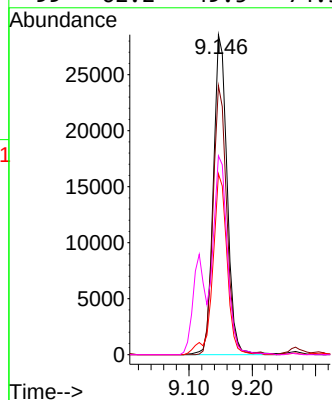
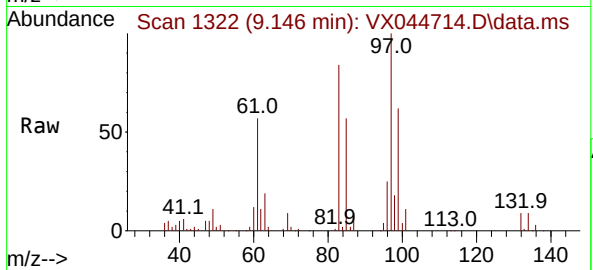




#55
1,1,2-Trichloroethane
Concen: 18.277 ug/l
RT: 9.146 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

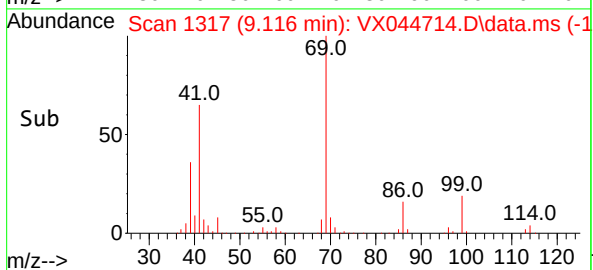
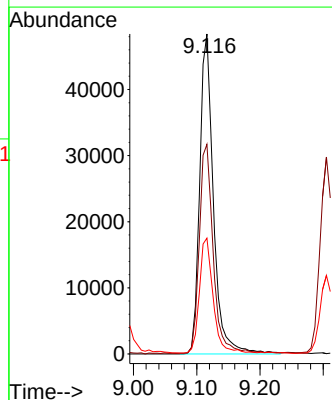
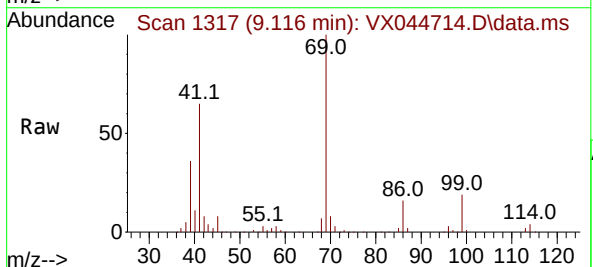
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

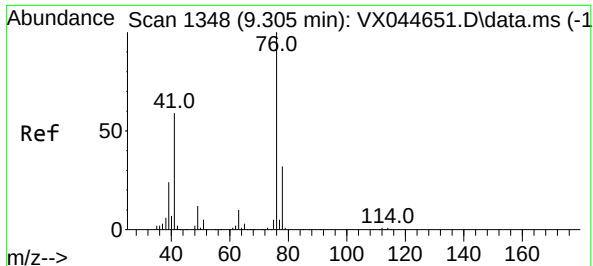
Tgt Ion:	97	Resp:	43335
Ion	Ratio	Lower	Upper
97	100		
83	84.1	68.8	103.2
85	56.5	43.7	65.5
99	62.2	49.5	74.3



#56
Ethyl methacrylate
Concen: 17.970 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:	69	Resp:	73260
Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.2	79.8
39	35.9	30.2	45.2





#57

1,3-Dichloropropane

Concen: 18.173 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

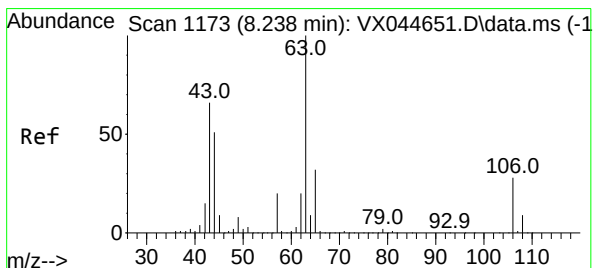
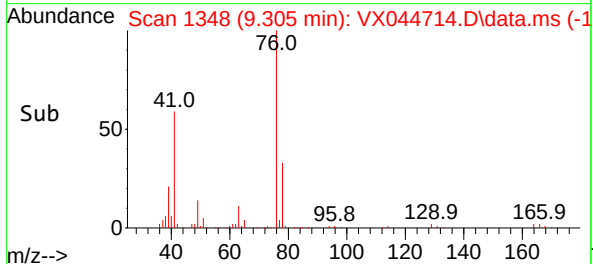
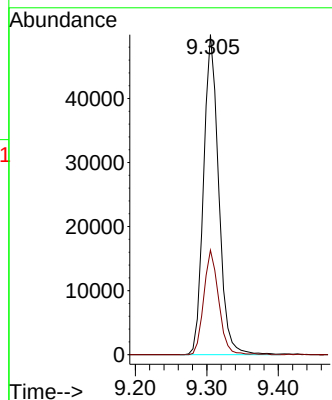
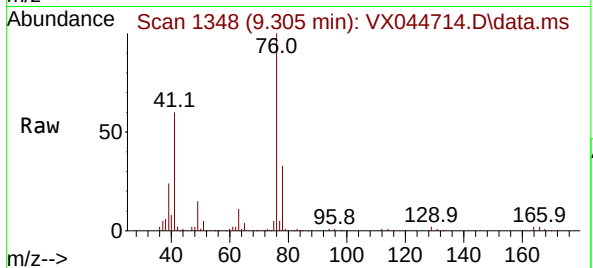
VX0127WBS01

Tgt Ion: 76 Resp: 73374

Ion Ratio Lower Upper

76 100

78 32.2 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 77.714 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX044714.D

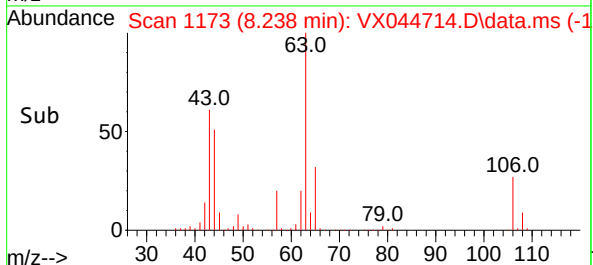
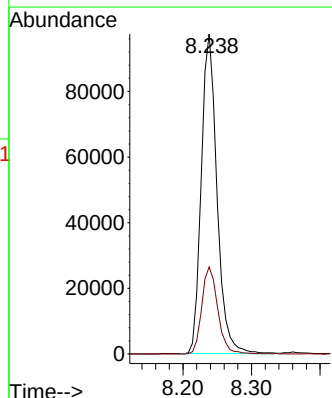
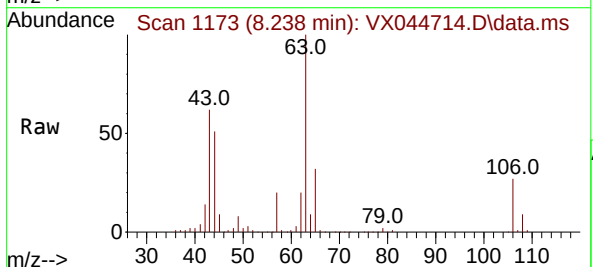
Acq: 27 Jan 2025 11:24

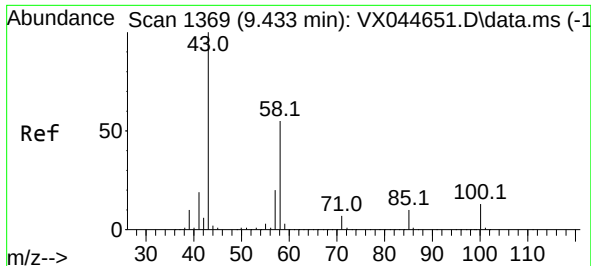
Tgt Ion: 63 Resp: 155542

Ion Ratio Lower Upper

63 100

106 27.6 23.0 34.6

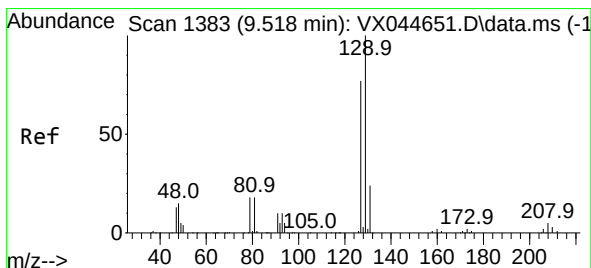
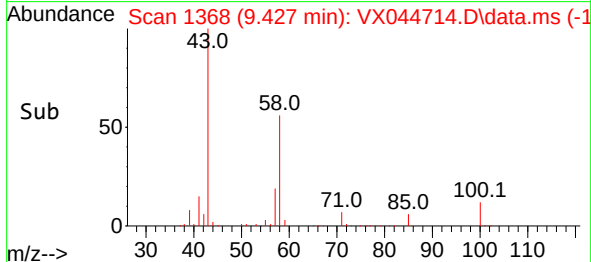
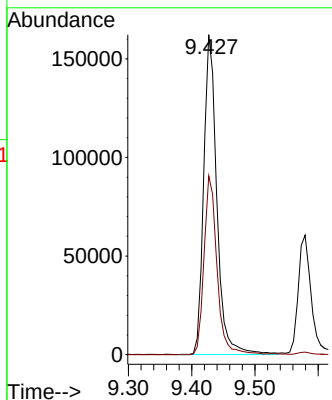
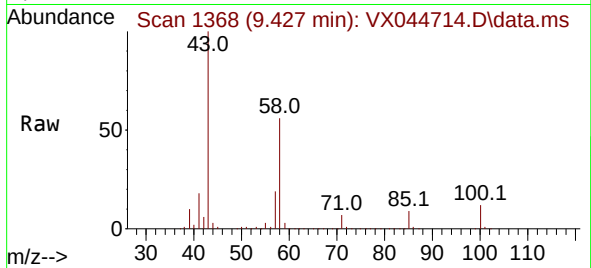




#59
2-Hexanone
Concen: 95.563 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

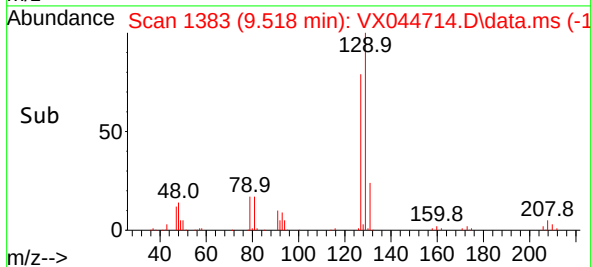
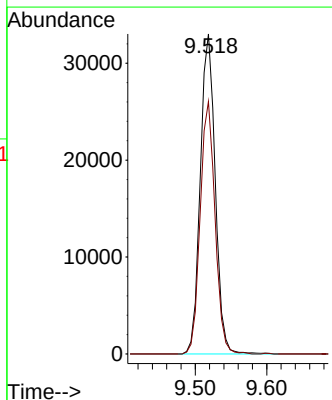
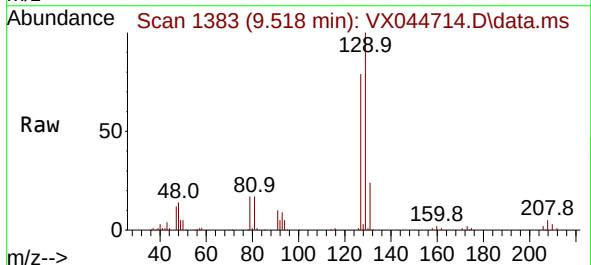
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

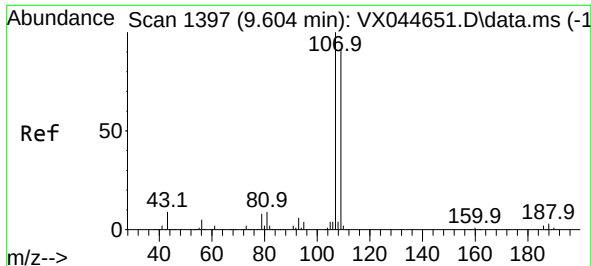
Tgt Ion: 43 Resp: 235185
Ion Ratio Lower Upper
43 100
58 55.3 27.8 83.3



#60
Dibromochloromethane
Concen: 17.200 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 129 Resp: 47865
Ion Ratio Lower Upper
129 100
127 78.6 38.5 115.5

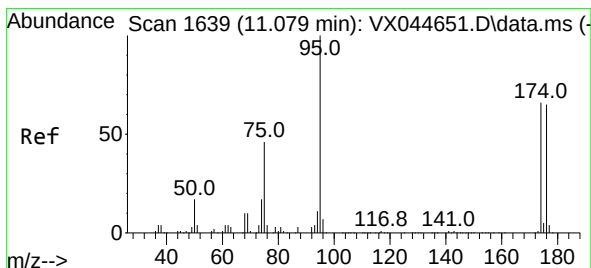
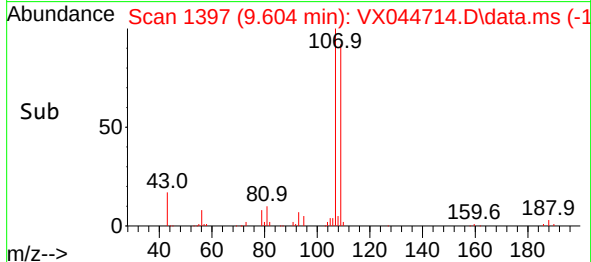
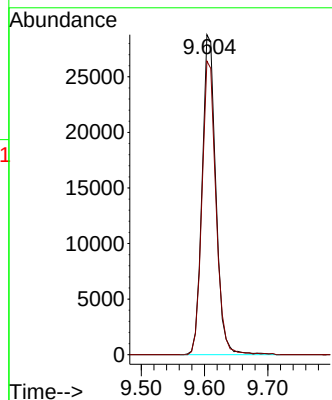
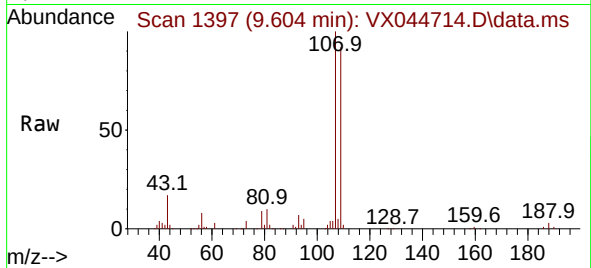




#61
1,2-Dibromoethane
Concen: 17.525 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

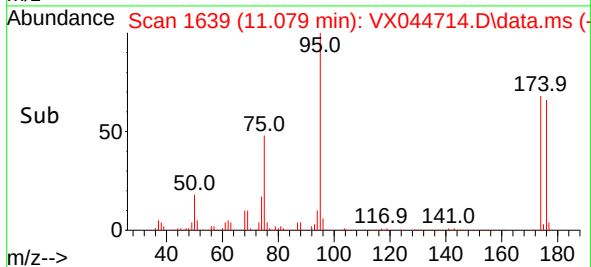
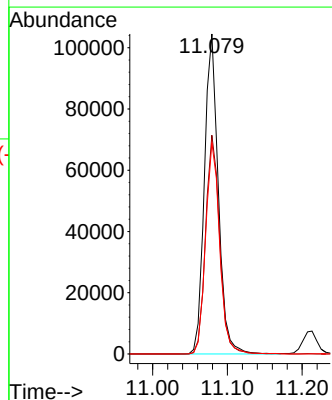
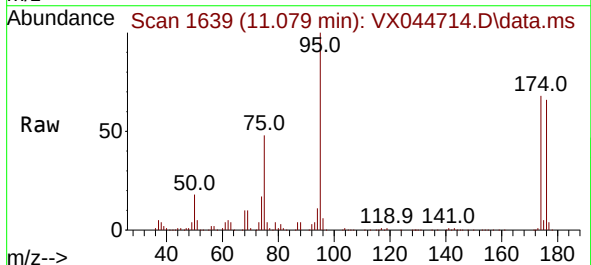
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

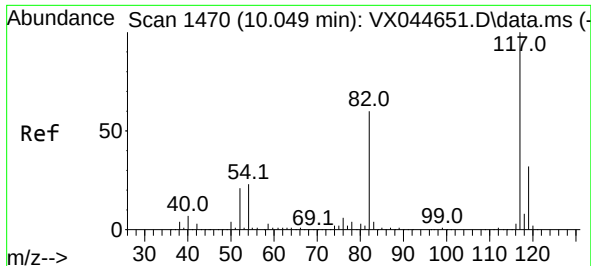
Tgt Ion:107 Resp: 43546
Ion Ratio Lower Upper
107 100
109 93.6 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 46.759 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 95 Resp: 134911
Ion Ratio Lower Upper
95 100
174 69.5 0.0 133.0
176 66.7 0.0 129.4

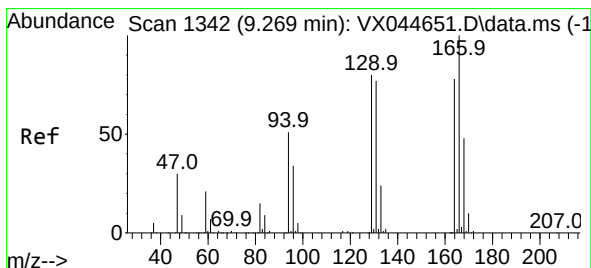
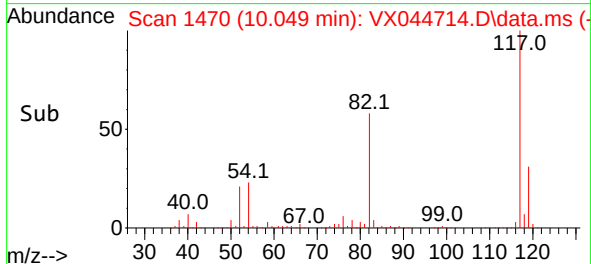
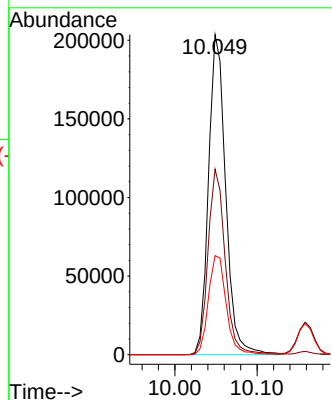
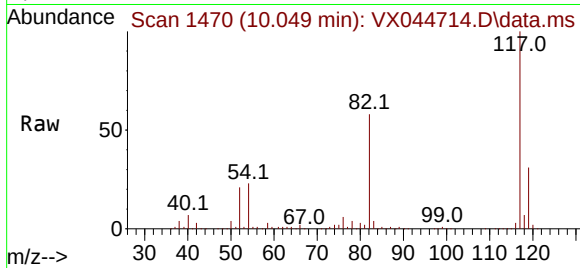




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

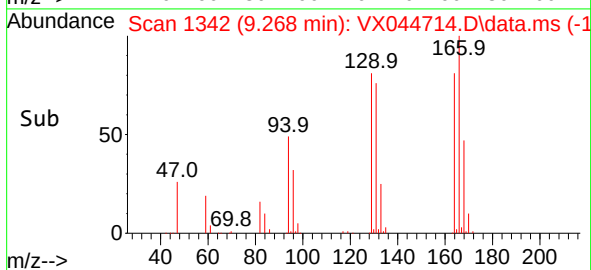
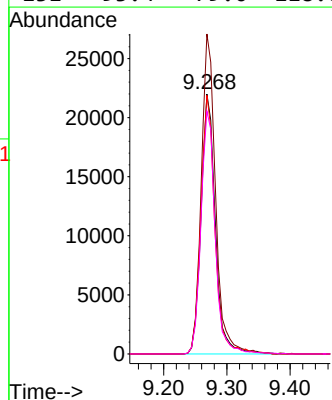
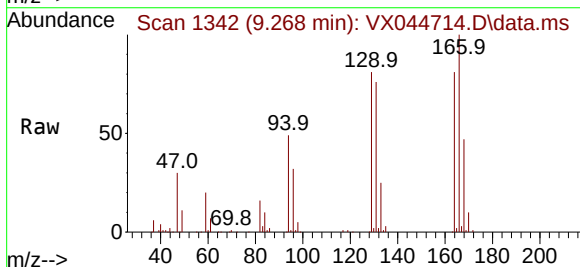
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

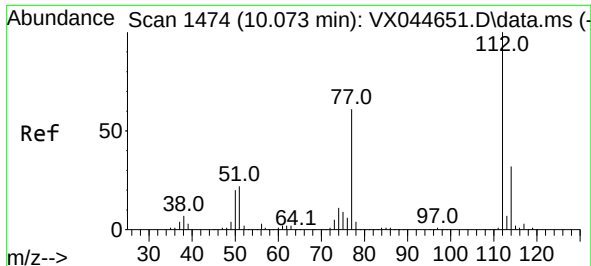
Tgt Ion:117 Resp: 294902
Ion Ratio Lower Upper
117 100
82 57.9 47.6 71.4
119 31.0 25.4 38.2



#64
Tetrachloroethene
Concen: 18.686 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:164 Resp: 34603
Ion Ratio Lower Upper
164 100
166 123.1 102.0 153.0
129 99.5 81.1 121.7
131 93.4 79.0 118.6

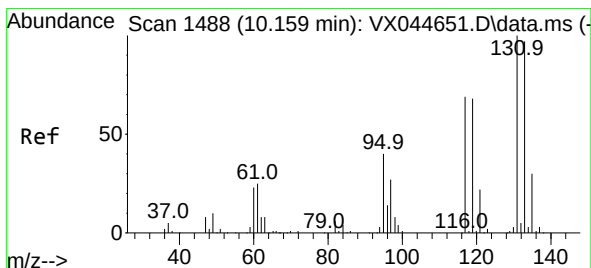
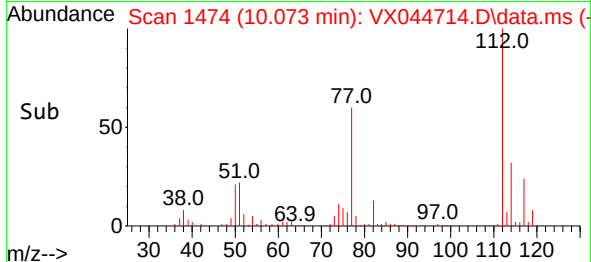
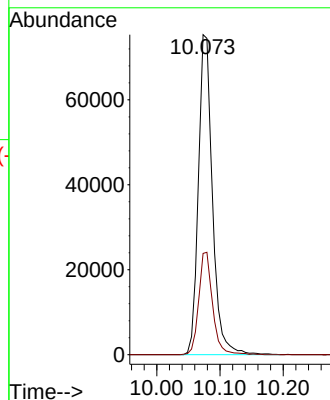
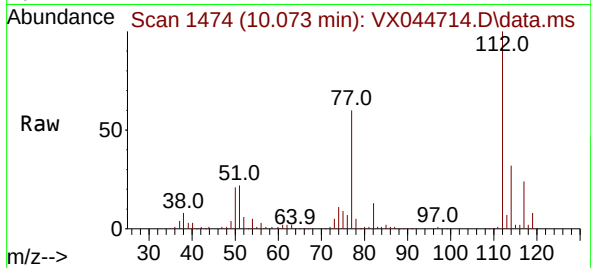




#65
Chlorobenzene
Concen: 18.627 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

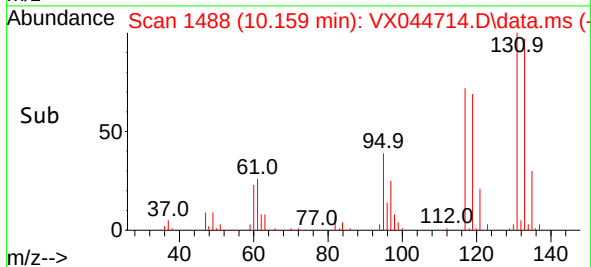
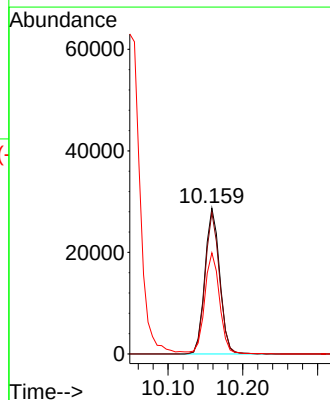
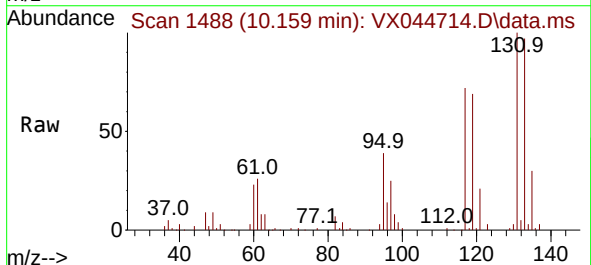
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

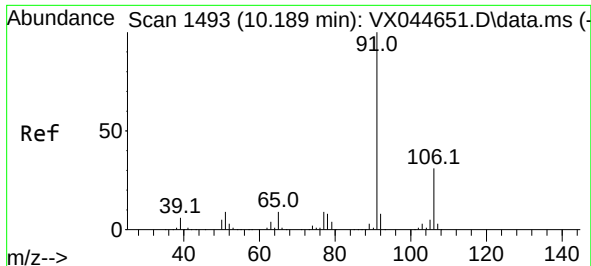
Tgt Ion:112 Resp: 116677
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 17.327 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:131 Resp: 39444
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.3
119 69.8 33.4 100.2





#67

Ethyl Benzene

Concen: 18.619 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

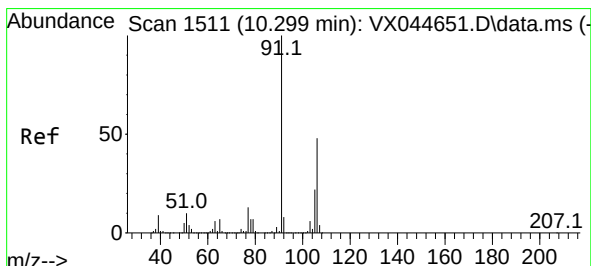
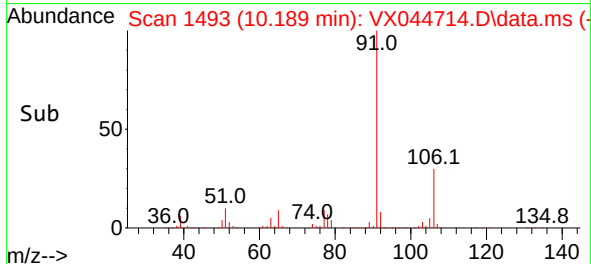
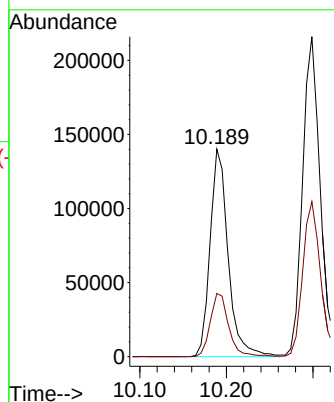
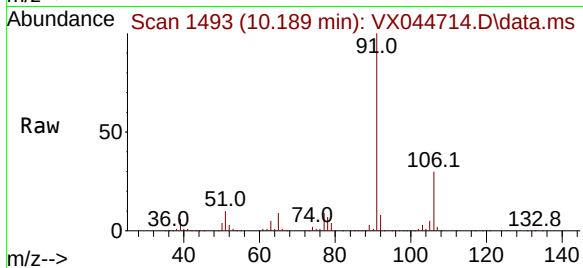
VX0127WBS01

Tgt Ion: 91 Resp: 203496

Ion Ratio Lower Upper

91 100

106 30.5 25.0 37.6



#68

m/p-Xylenes

Concen: 38.048 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044714.D

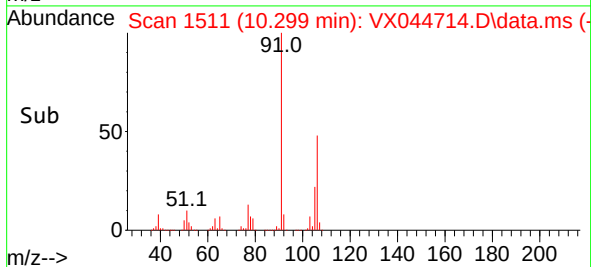
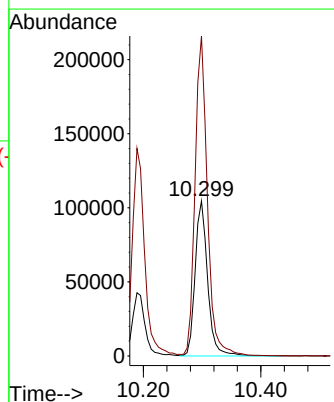
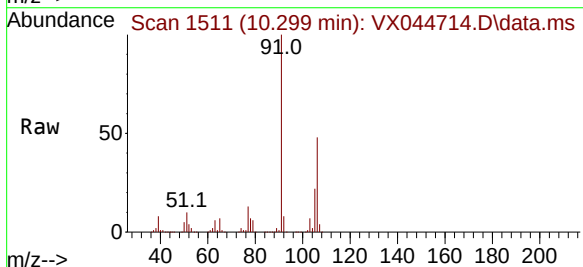
Acq: 27 Jan 2025 11:24

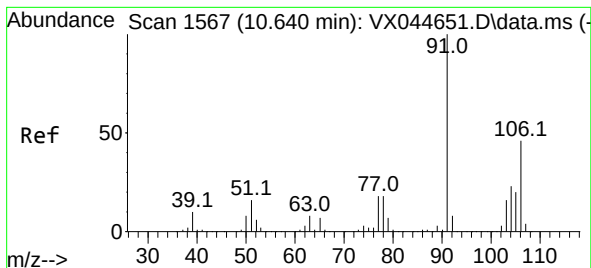
Tgt Ion:106 Resp: 154315

Ion Ratio Lower Upper

106 100

91 204.0 166.4 249.6

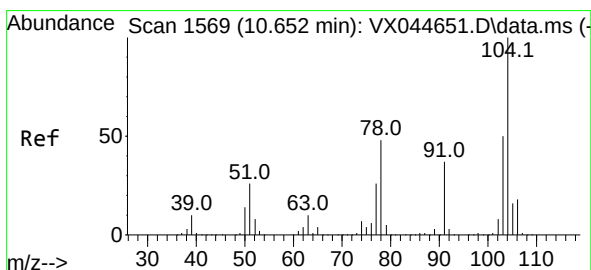
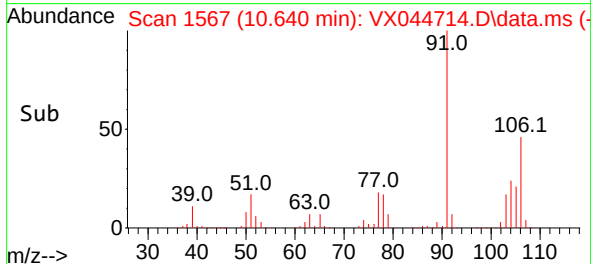
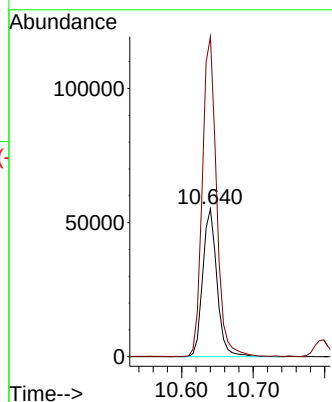
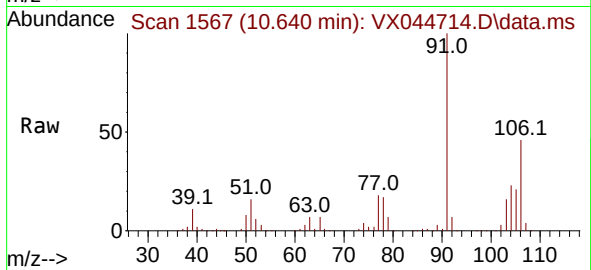




#69
o-Xylene
Concen: 18.584 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

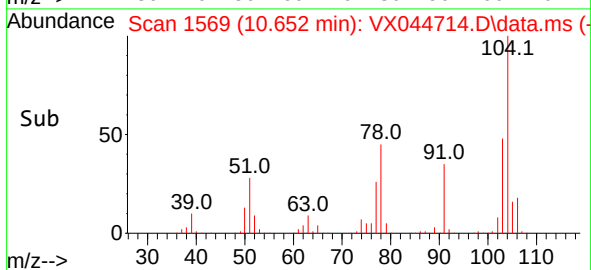
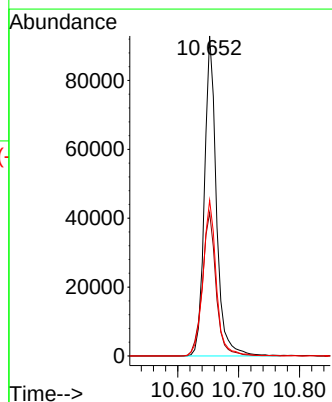
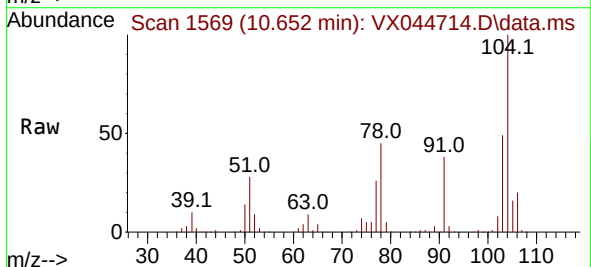
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

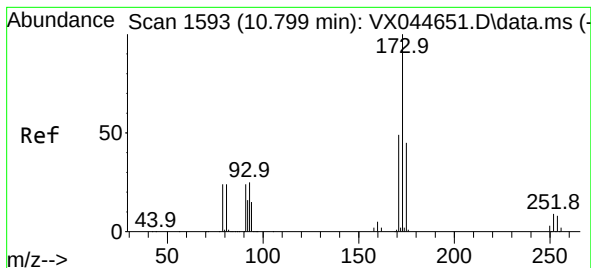
Tgt Ion:106 Resp: 76225
Ion Ratio Lower Upper
106 100
91 216.8 108.7 326.3



#70
Styrene
Concen: 19.202 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:104 Resp: 127161
Ion Ratio Lower Upper
104 100
78 51.1 43.0 64.6
103 54.0 43.4 65.2





#71

Bromoform

Concen: 17.735 ug/l

RT: 10.799 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

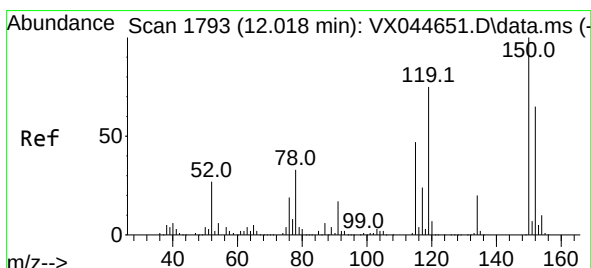
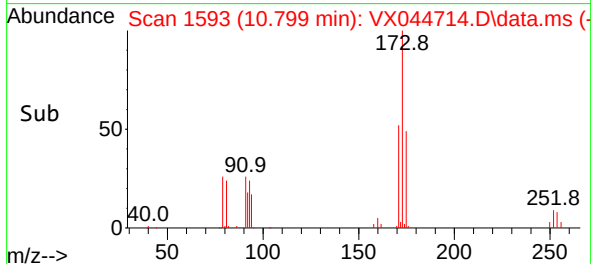
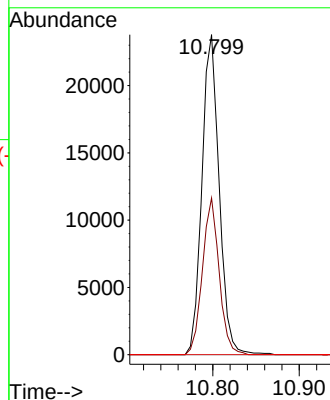
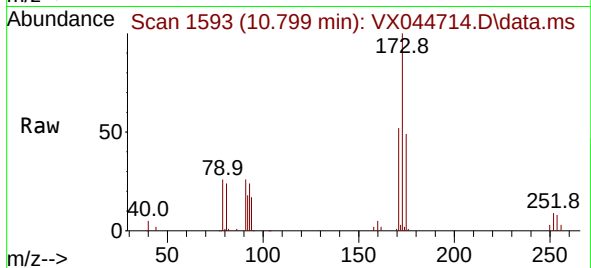
Tgt Ion:173 Resp: 32859

Ion Ratio Lower Upper

173 100

175 47.4 23.6 70.8

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

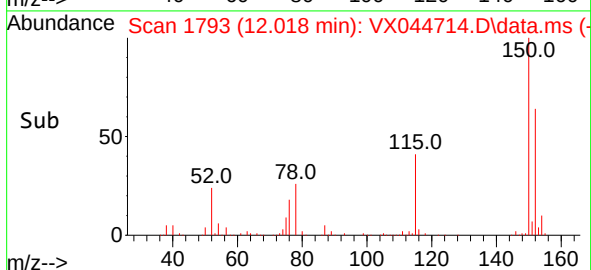
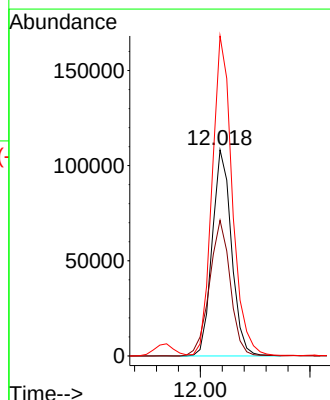
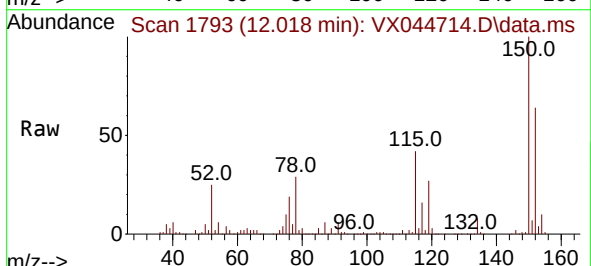
Tgt Ion:152 Resp: 132232

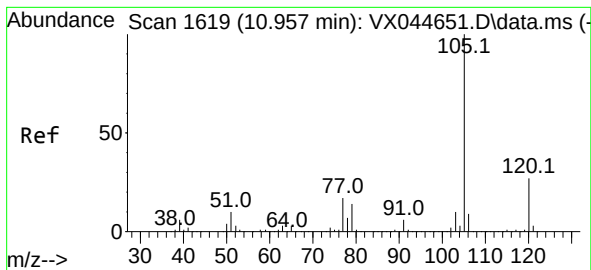
Ion Ratio Lower Upper

152 100

115 71.0 43.8 131.4

150 161.9 0.0 347.8





#73

Isopropylbenzene

Concen: 17.780 ug/l

RT: 10.957 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

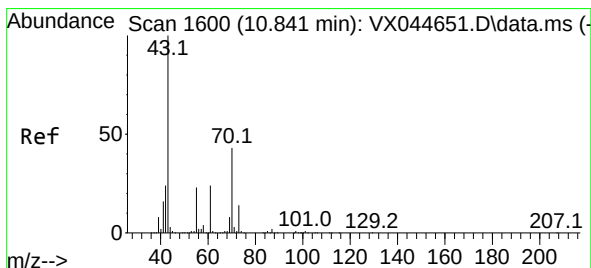
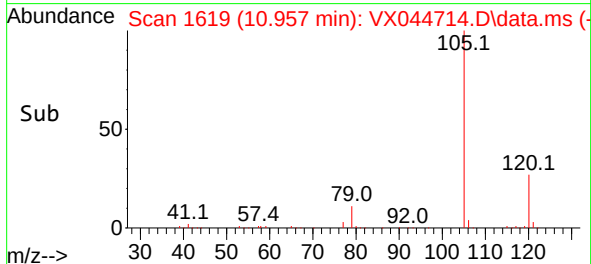
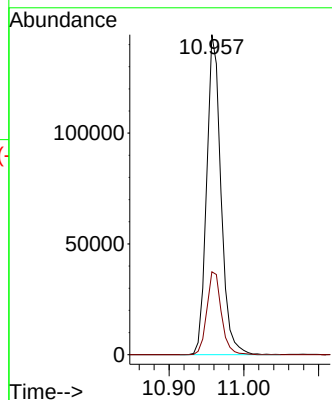
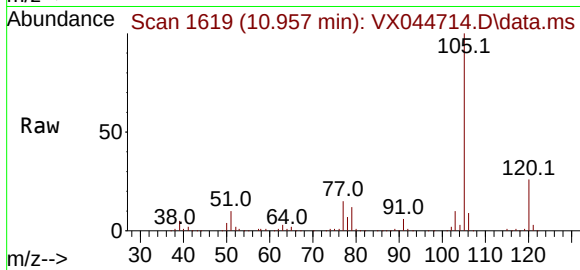
VX0127WBS01

Tgt Ion:105 Resp: 192068

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



#74

N-ethyl acetate

Concen: 17.326 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Tgt Ion: 43 Resp: 92250

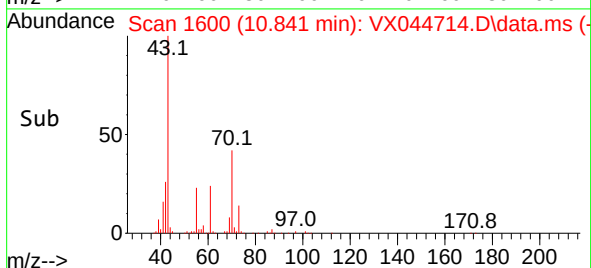
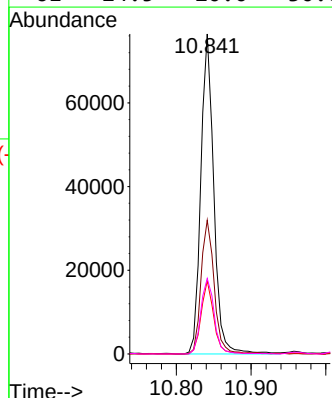
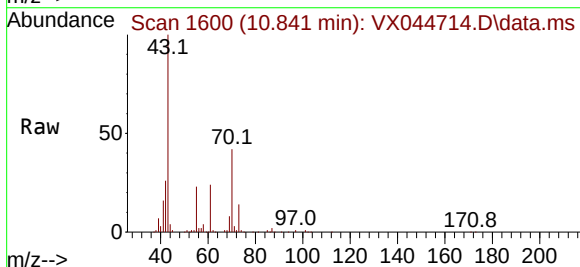
Ion Ratio Lower Upper

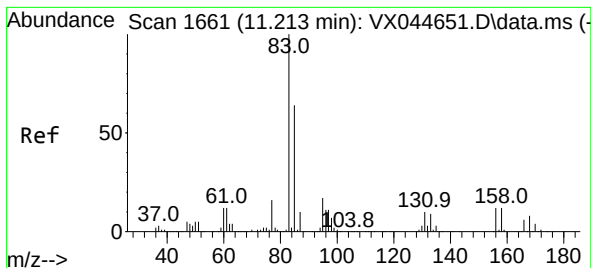
43 100

70 42.5 35.2 52.8

55 22.5 19.0 28.4

61 24.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.034 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

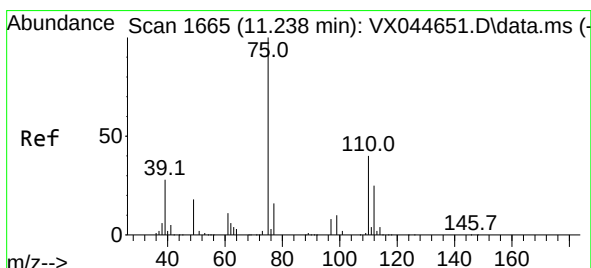
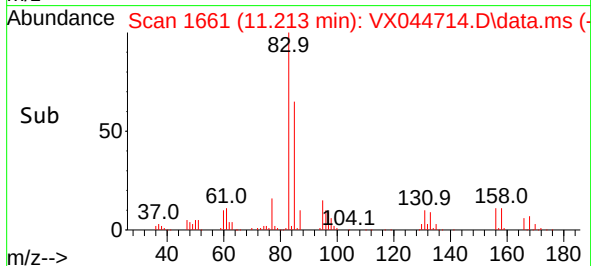
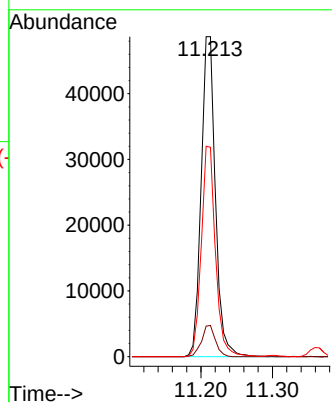
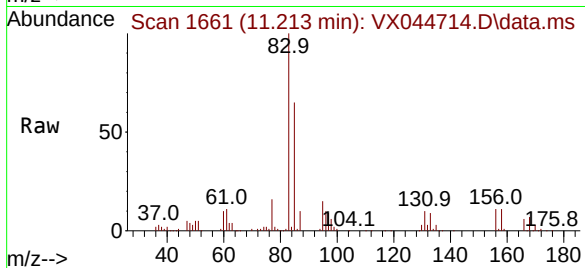
Tgt Ion: 83 Resp: 67283

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

85 65.2 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 22.540 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX044714.D

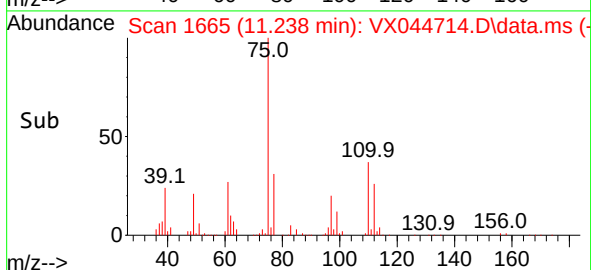
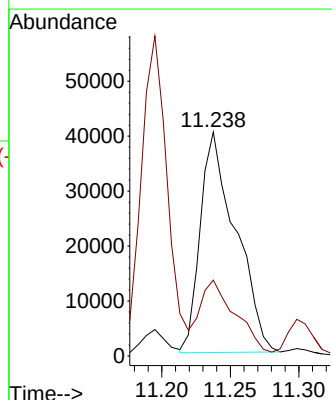
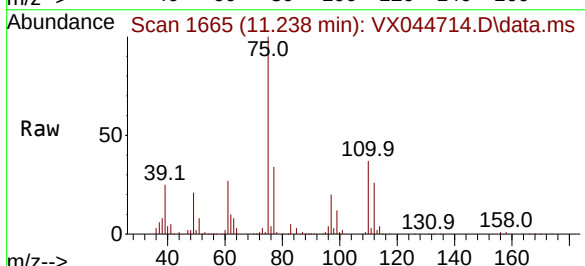
Acq: 27 Jan 2025 11:24

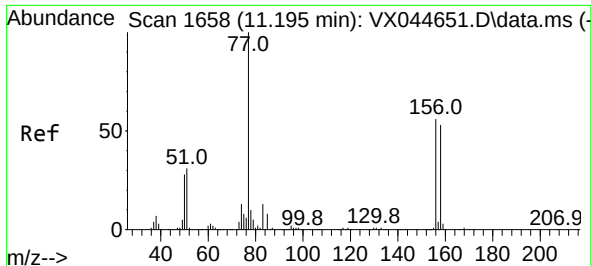
Tgt Ion: 75 Resp: 72333

Ion Ratio Lower Upper

75 100

77 35.1 23.4 70.2

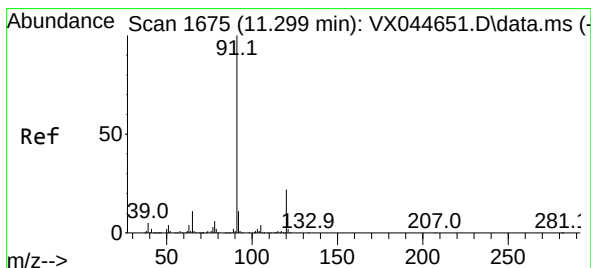
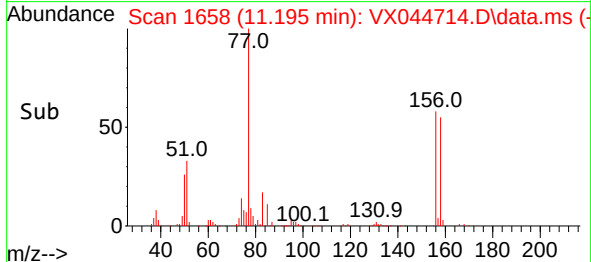
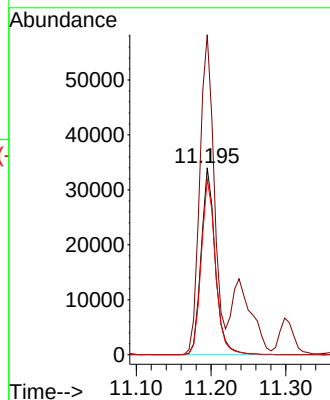
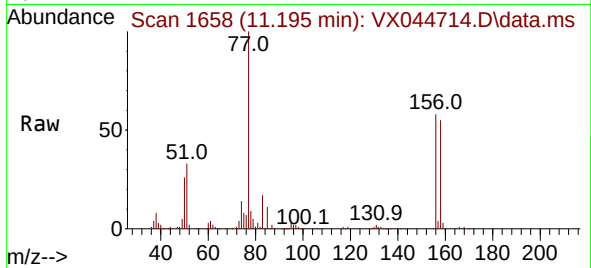




#77
Bromobenzene
Concen: 17.640 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

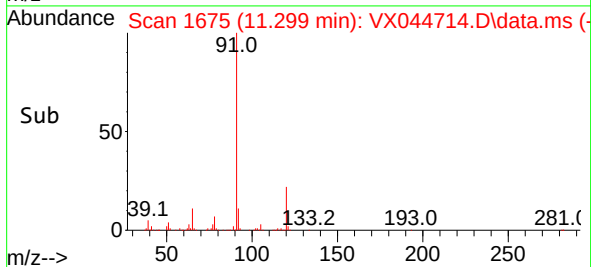
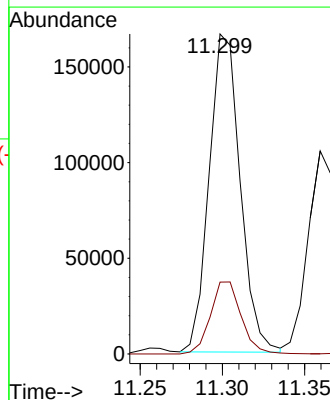
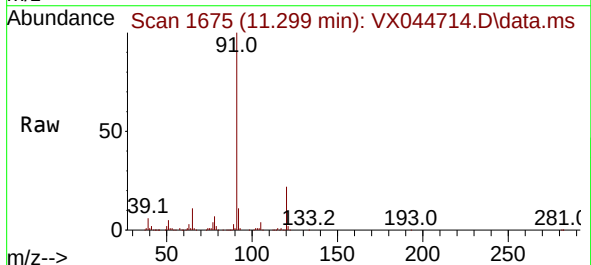
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

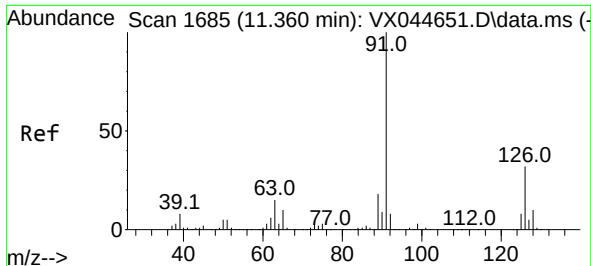
Tgt Ion:156 Resp: 44539
Ion Ratio Lower Upper
156 100
77 175.2 90.3 271.0
158 95.0 48.4 145.3



#78
n-propylbenzene
Concen: 18.333 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 91 Resp: 218400
Ion Ratio Lower Upper
91 100
120 22.5 11.4 34.1

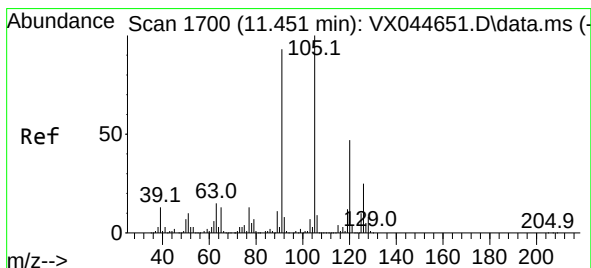
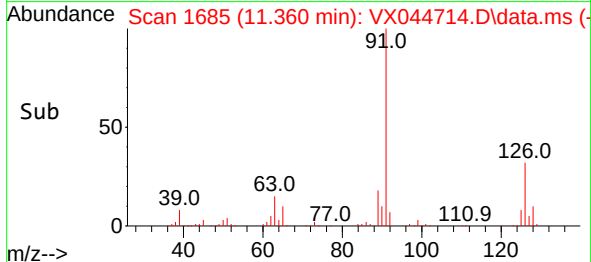
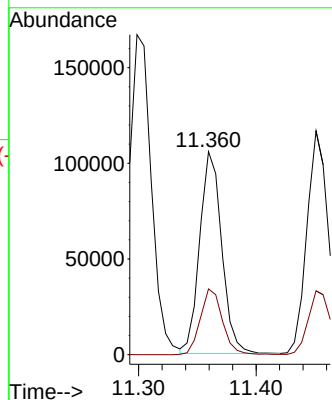
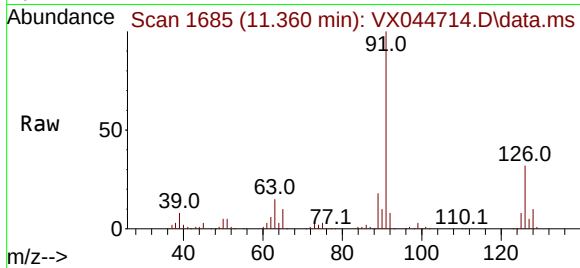




#79
2-Chlorotoluene
Concen: 17.842 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

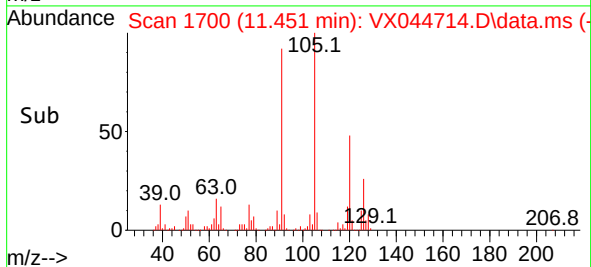
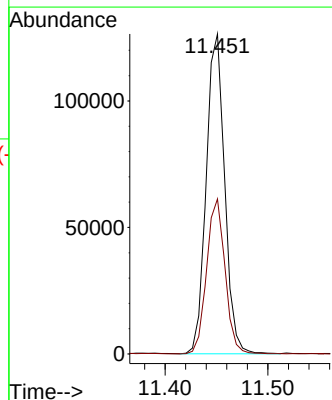
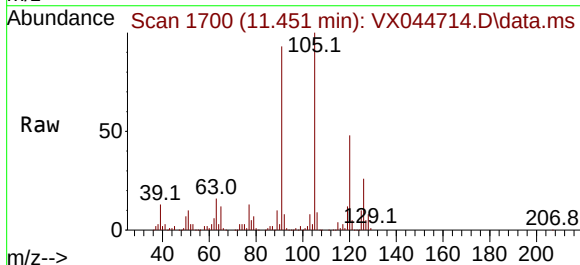
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

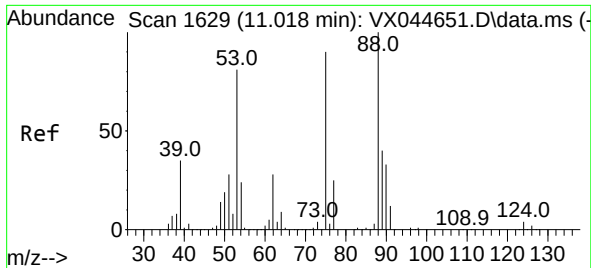
Tgt Ion: 91 Resp: 137301
Ion Ratio Lower Upper
91 100
126 32.7 16.2 48.5



#80
1,3,5-Trimethylbenzene
Concen: 17.967 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 105 Resp: 158002
Ion Ratio Lower Upper
105 100
120 48.3 23.7 71.1

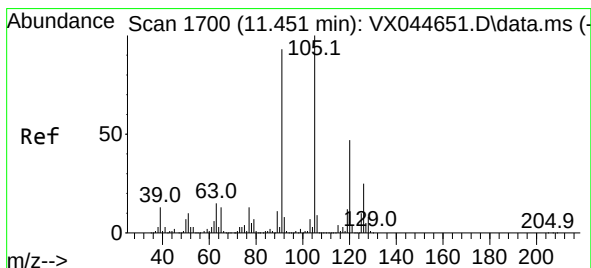
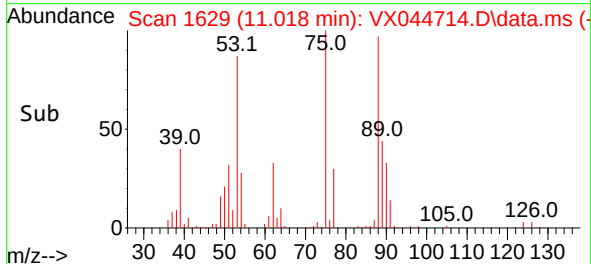
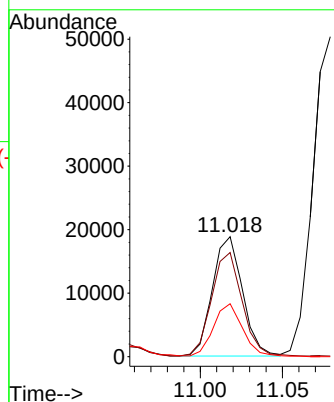
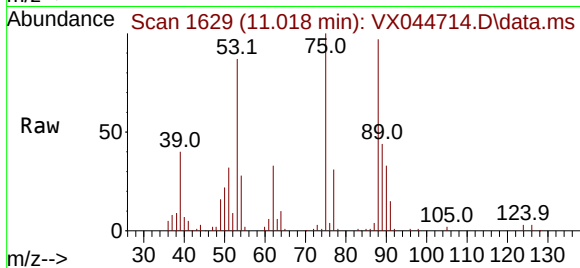




#81
trans-1,4-Dichloro-2-butene
Concen: 17.096 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

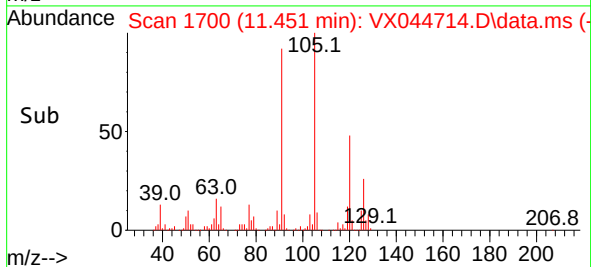
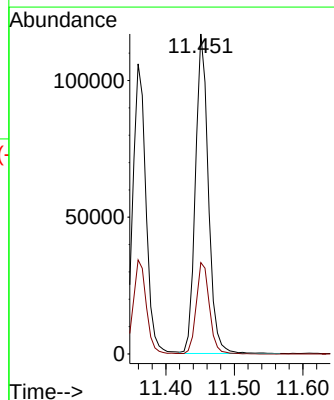
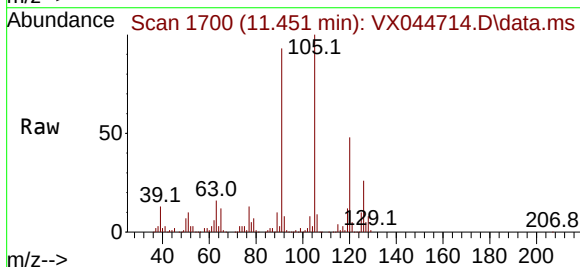
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

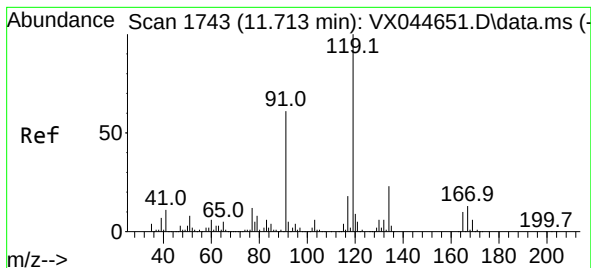
Tgt Ion: 75 Resp: 23991
Ion Ratio Lower Upper
75 100
53 88.3 74.3 111.5
89 43.5 37.4 56.0



#82
4-Chlorotoluene
Concen: 18.197 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 91 Resp: 153401
Ion Ratio Lower Upper
91 100
126 29.3 13.9 41.7





#83

tert-Butylbenzene

Concen: 17.676 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

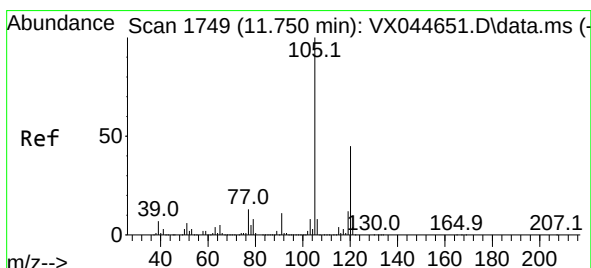
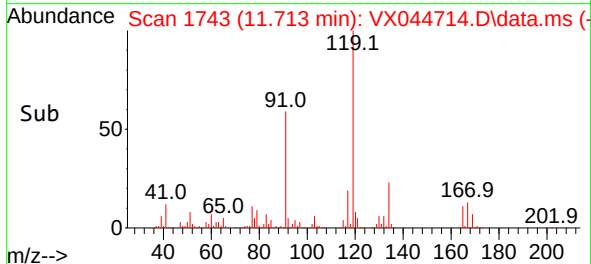
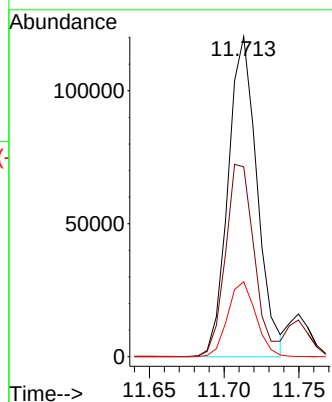
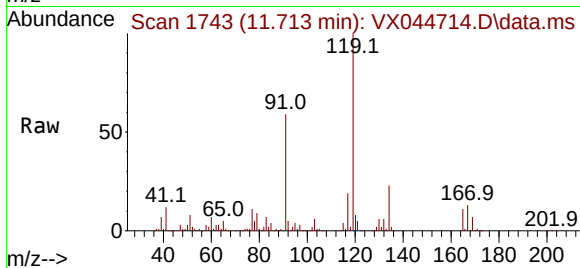
Tgt Ion:119 Resp: 162534

Ion Ratio Lower Upper

119 100

91 58.7 30.0 90.0

134 22.7 11.2 33.5



#84

1,2,4-Trimethylbenzene

Concen: 17.895 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044714.D

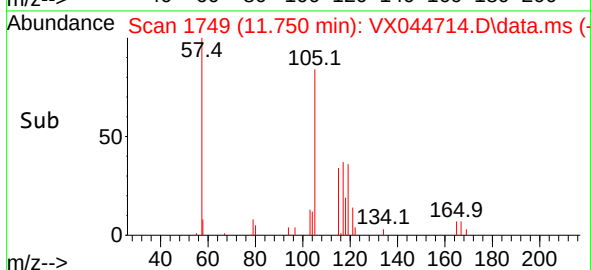
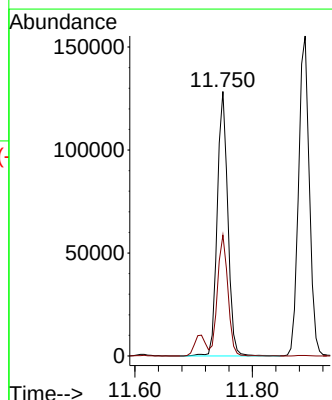
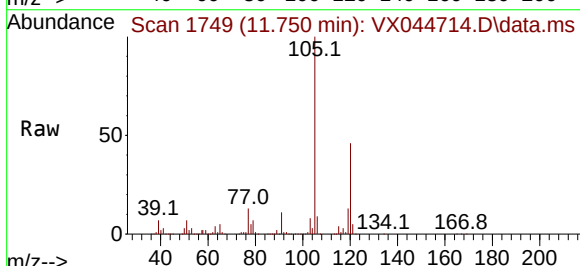
Acq: 27 Jan 2025 11:24

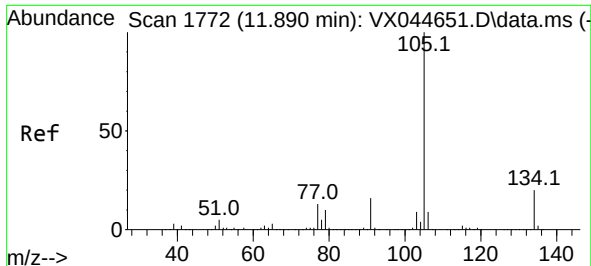
Tgt Ion:105 Resp: 159915

Ion Ratio Lower Upper

105 100

120 45.2 22.2 66.6

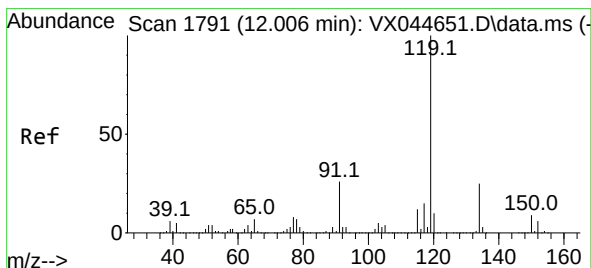
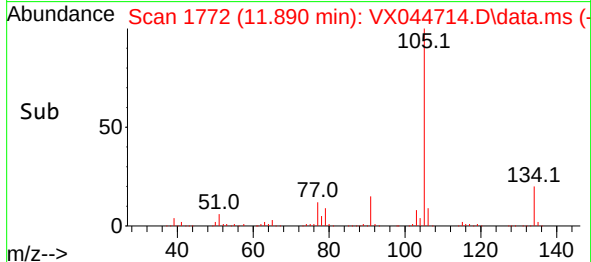
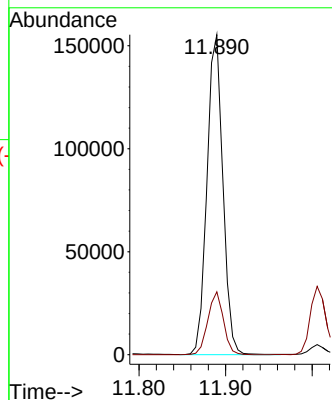
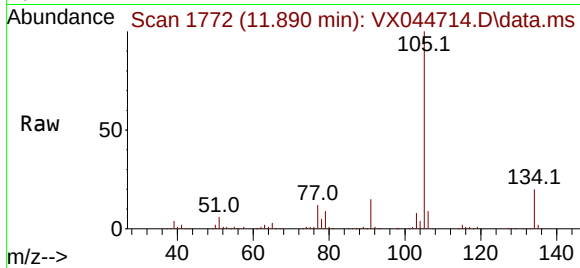




#85
 sec-Butylbenzene
 Concen: 18.485 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX044714.D
 Acq: 27 Jan 2025 11:24

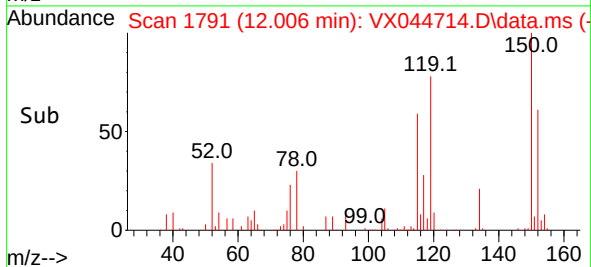
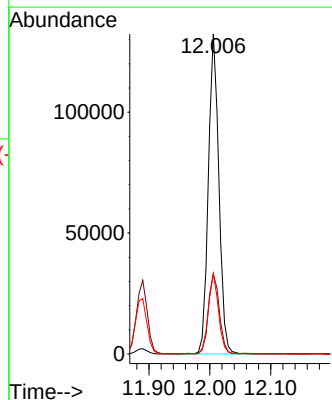
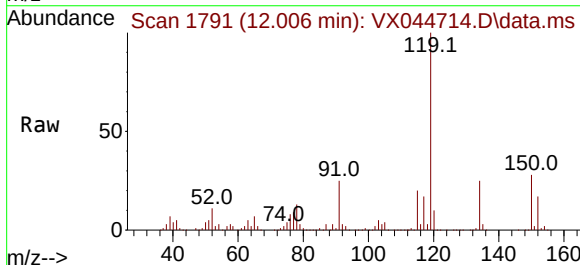
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBS01

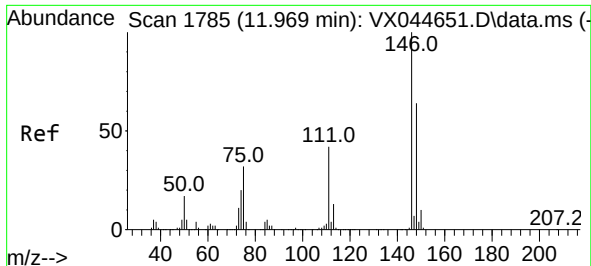
Tgt Ion:105 Resp: 197899
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 18.102 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX044714.D
 Acq: 27 Jan 2025 11:24

Tgt Ion:119 Resp: 159273
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.4
 91 24.2 12.7 38.1

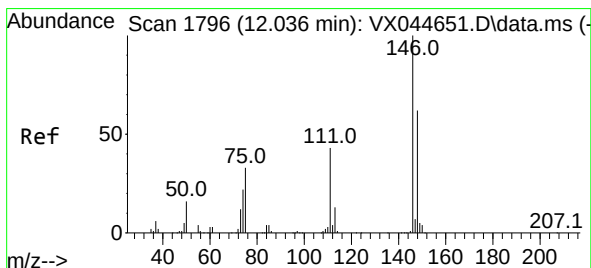
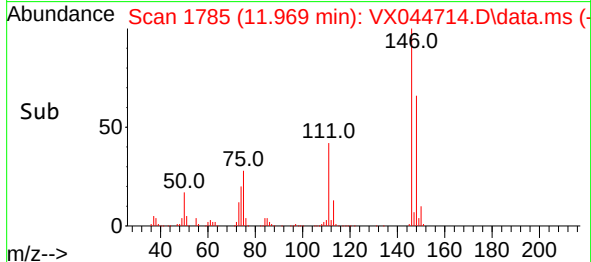
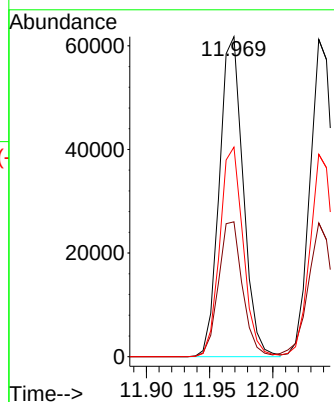
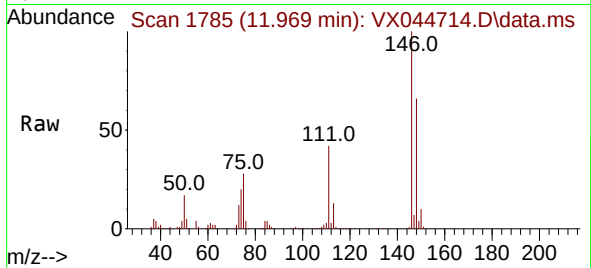




#87
1,3-Dichlorobenzene
Concen: 18.444 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

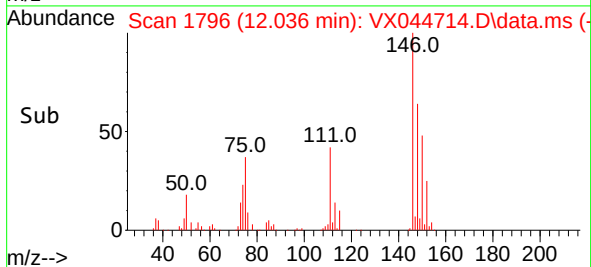
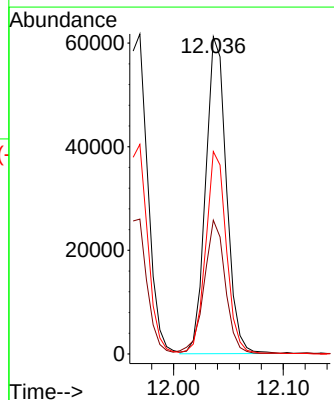
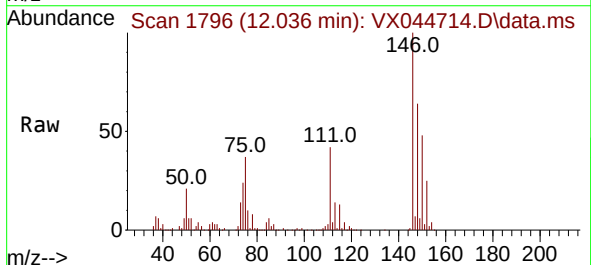
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

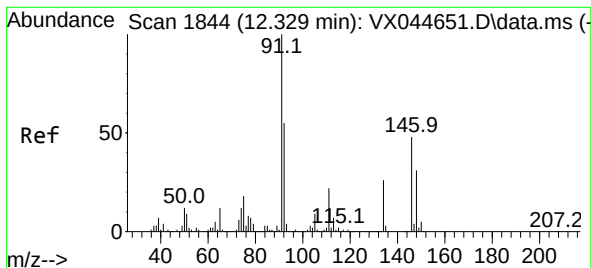
Tgt Ion:146 Resp: 80761
Ion Ratio Lower Upper
146 100
111 42.4 21.9 65.7
148 64.4 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 18.173 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:146 Resp: 80443
Ion Ratio Lower Upper
146 100
111 42.8 21.5 64.5
148 64.0 32.1 96.5





#89

n-Butylbenzene

Concen: 18.544 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

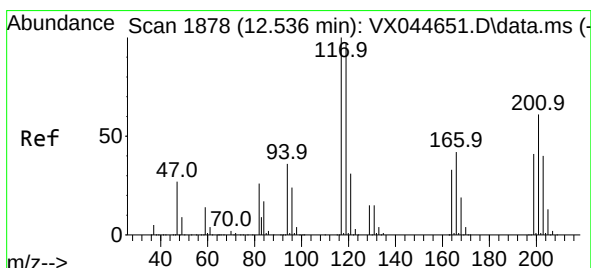
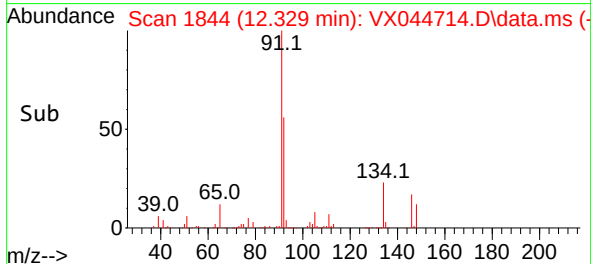
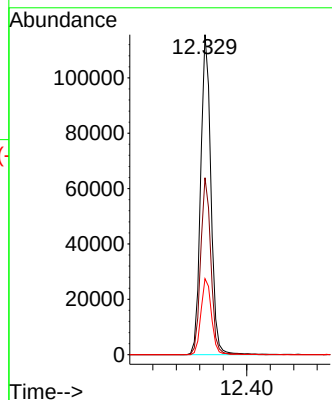
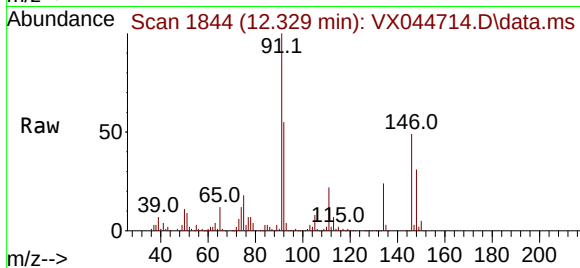
Tgt Ion: 91 Resp: 140139

Ion Ratio Lower Upper

91 100

92 55.3 27.4 82.0

134 24.3 12.8 38.3



#90

Hexachloroethane

Concen: 16.760 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044714.D

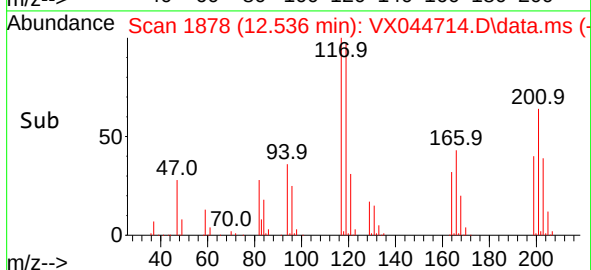
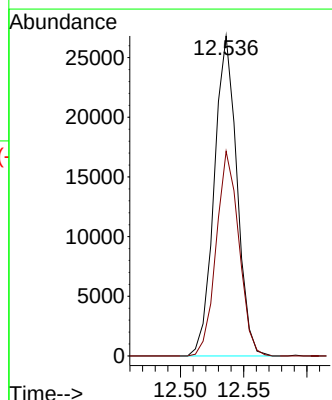
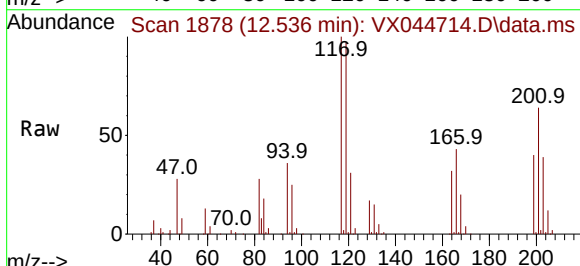
Acq: 27 Jan 2025 11:24

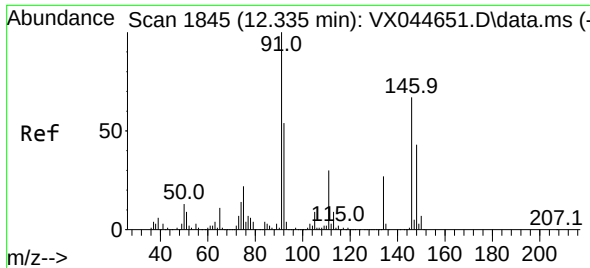
Tgt Ion: 117 Resp: 33393

Ion Ratio Lower Upper

117 100

201 64.0 32.3 96.8

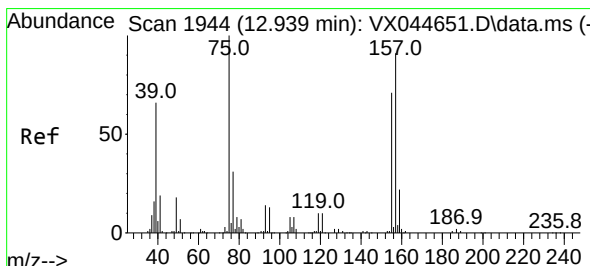
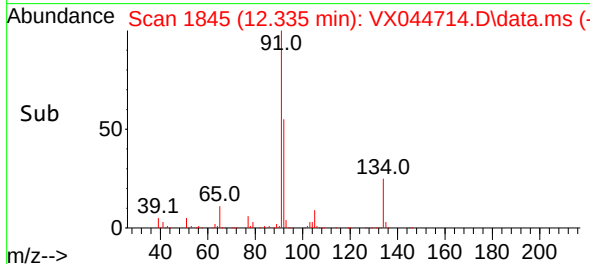
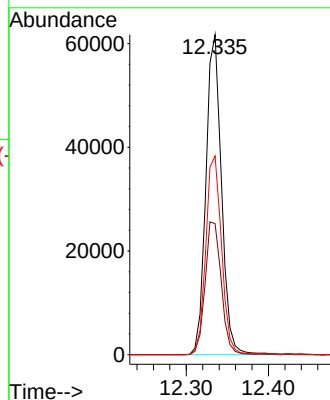
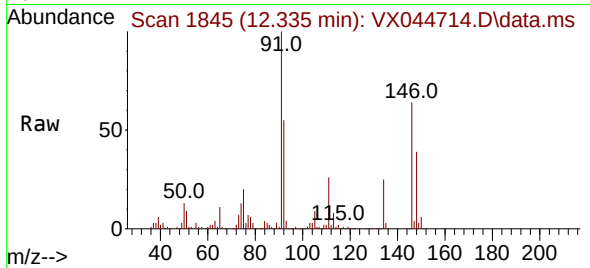




#91
 1,2-Dichlorobenzene
 Concen: 18.066 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. -0.000 min
 Lab File: VX044714.D
 Acq: 27 Jan 2025 11:24

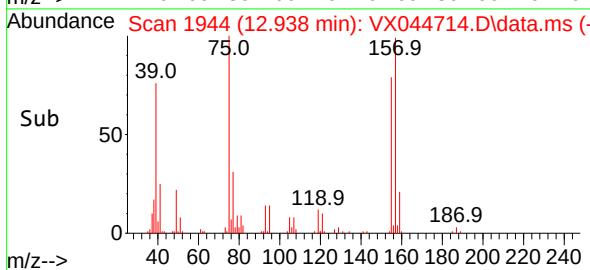
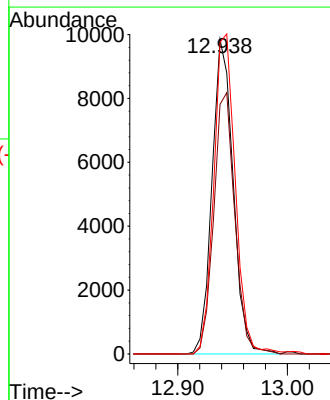
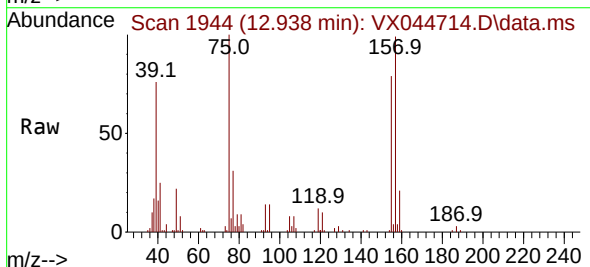
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBS01

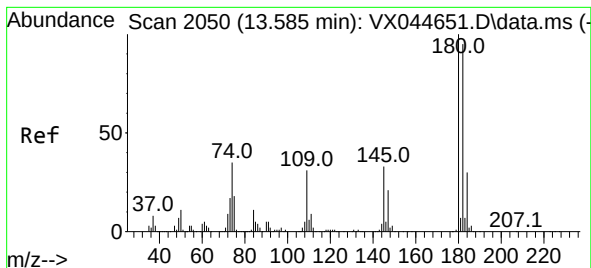
Tgt Ion:146 Resp: 81242
 Ion Ratio Lower Upper
 146 100
 111 43.0 22.4 67.2
 148 62.7 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.461 ug/l
 RT: 12.938 min Scan# 1944
 Delta R.T. -0.000 min
 Lab File: VX044714.D
 Acq: 27 Jan 2025 11:24

Tgt Ion: 75 Resp: 13195
 Ion Ratio Lower Upper
 75 100
 155 82.9 39.0 116.9
 157 104.2 49.9 149.7





#93

1,2,4-Trichlorobenzene

Concen: 17.593 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBS01

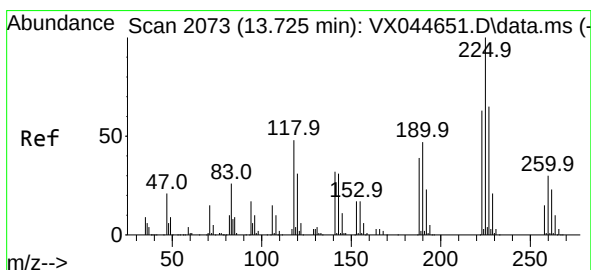
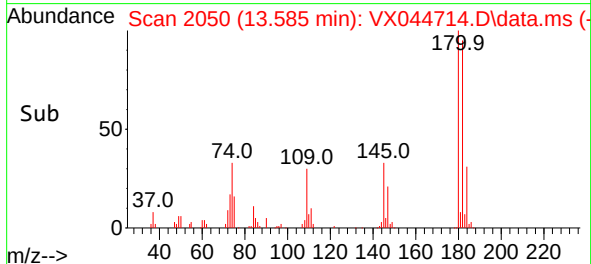
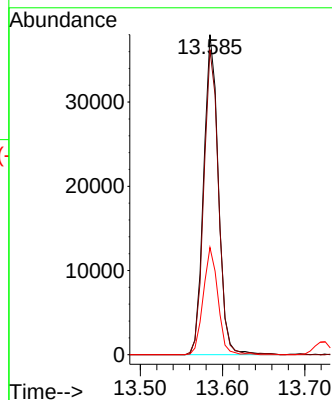
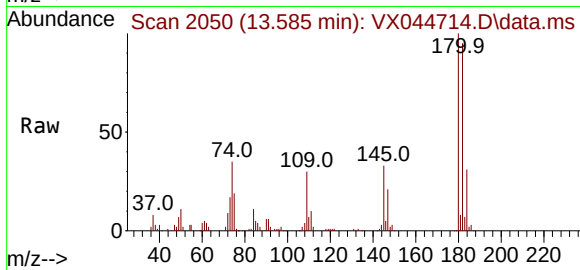
Tgt Ion:180 Resp: 47294

Ion Ratio Lower Upper

180 100

182 95.5 47.4 142.2

145 33.3 16.7 50.1



#94

Hexachlorobutadiene

Concen: 17.210 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX044714.D

Acq: 27 Jan 2025 11:24

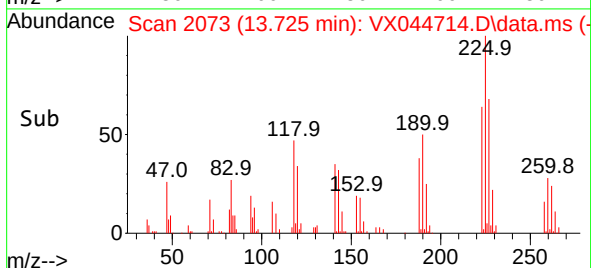
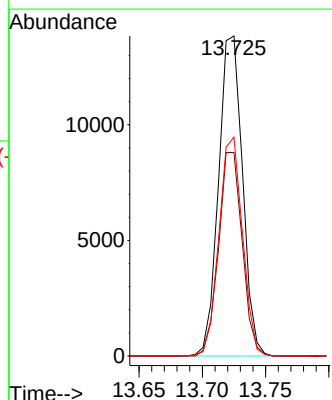
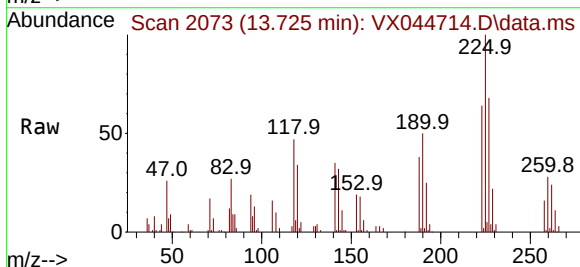
Tgt Ion:225 Resp: 18173

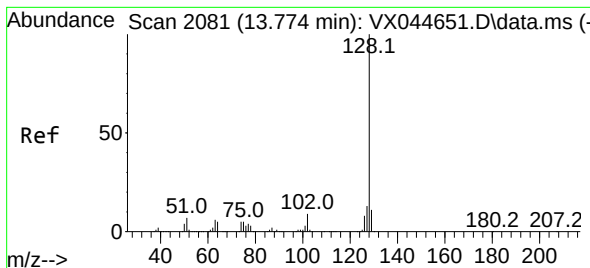
Ion Ratio Lower Upper

225 100

223 62.9 31.9 95.7

227 67.2 31.8 95.4

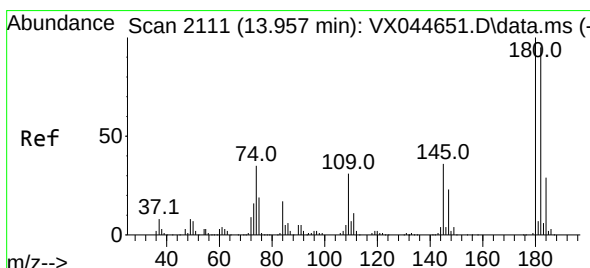
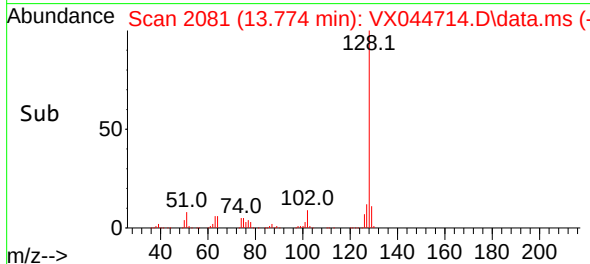
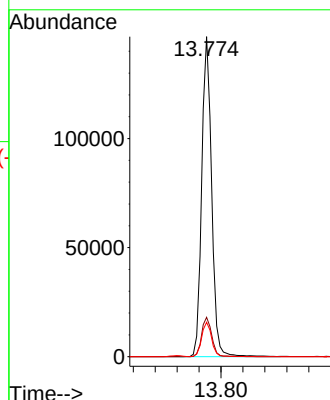
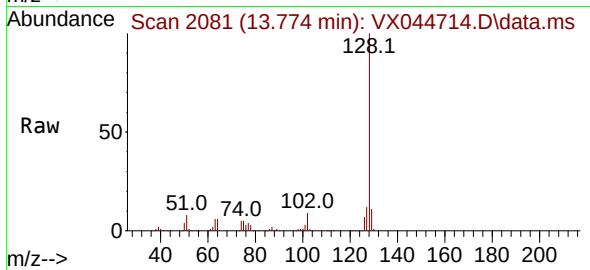




#95
Naphthalene
Concen: 17.766 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

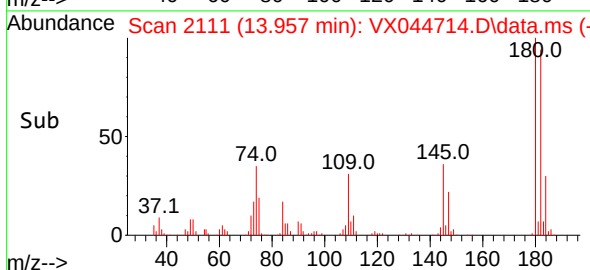
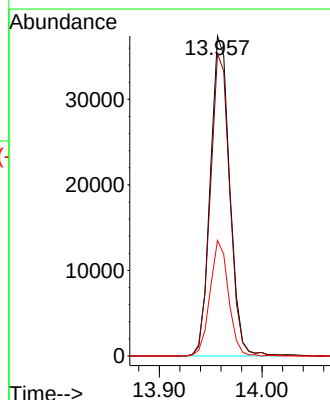
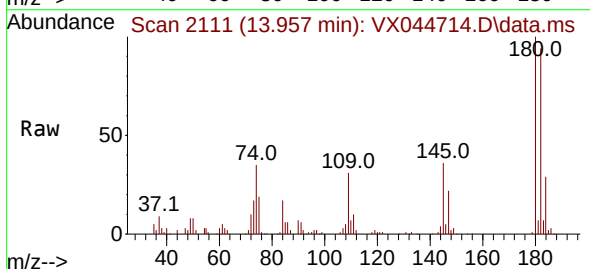
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:128 Resp: 184203
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 17.616 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:180 Resp: 49087
Ion Ratio Lower Upper
180 100
182 94.8 47.2 141.6
145 34.4 17.5 52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044715.D
 Acq On : 27 Jan 2025 11:52
 Operator : JC/MD
 Sample : VX0127WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBSD01

Quant Time: Jan 28 04:09:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	181106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	329948	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	287428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	125692	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	115109	42.108	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.220%
35) Dibromofluoromethane	5.379	113	94586	45.125	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.240%
50) Toluene-d8	8.646	98	351325	48.069	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.140%
62) 4-Bromofluorobenzene	11.079	95	127855	46.926	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.860%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	42531	17.452	ug/l	97
3) Chloromethane	1.300	50	50371	19.113	ug/l	98
4) Vinyl Chloride	1.373	62	46045	17.683	ug/l	97
5) Bromomethane	1.593	94	12365	19.887	ug/l	98
6) Chloroethane	1.666	64	19570	40.984	ug/l	92
7) Trichlorofluoromethane	1.873	101	50717	17.623	ug/l	97
8) Diethyl Ether	2.129	74	15983	13.762	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.318	101	41192	19.041	ug/l	99
10) Methyl Iodide	2.446	142	51850	17.555	ug/l	98
11) Tert butyl alcohol	2.971	59	52572	86.265	ug/l #	84
12) 1,1-Dichloroethene	2.312	96	40671	19.179	ug/l	98
13) Acrolein	2.233	56	19607	68.368	ug/l	100
14) Allyl chloride	2.654	41	75257	18.227	ug/l	96
15) Acrylonitrile	3.056	53	118706	99.311	ug/l	99
16) Acetone	2.379	43	94951	87.792	ug/l	95
17) Carbon Disulfide	2.501	76	111388	19.250	ug/l	99
18) Methyl Acetate	2.696	43	66037	19.791	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	138618	18.047	ug/l	97
20) Methylene Chloride	2.782	84	45743	18.162	ug/l	97
21) trans-1,2-Dichloroethene	3.086	96	40658	18.364	ug/l	98
22) Diisopropyl ether	3.757	45	141633	19.734	ug/l	97
23) Vinyl Acetate	3.714	43	602846	95.967	ug/l	99
24) 1,1-Dichloroethane	3.599	63	78982	18.558	ug/l	100
25) 2-Butanone	4.550	43	157607	98.011	ug/l	99
26) 2,2-Dichloropropane	4.464	77	67624	16.394	ug/l	95
27) cis-1,2-Dichloroethene	4.476	96	50234	18.038	ug/l	98
28) Bromochloromethane	4.891	49	39174	19.697	ug/l	95
29) Tetrahydrofuran	5.001	42	102301	98.627	ug/l	98
30) Chloroform	5.080	83	77159	17.964	ug/l	97
31) Cyclohexane	5.464	56	71276	20.706	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	65982	16.710	ug/l	99
36) 1,1-Dichloropropene	5.684	75	53609	18.373	ug/l	99
37) Ethyl Acetate	4.708	43	61115	19.668	ug/l	97
38) Carbon Tetrachloride	5.665	117	56337	17.165	ug/l	98
39) Methylcyclohexane	7.372	83	75204	19.415	ug/l	97
40) Benzene	6.031	78	173290	19.166	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044715.D
 Acq On : 27 Jan 2025 11:52
 Operator : JC/MD
 Sample : VX0127WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBSD01

Quant Time: Jan 28 04:09:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	34872	19.259	ug/l	98
42) 1,2-Dichloroethane	6.080	62	57405	17.395	ug/l	99
43) Isopropyl Acetate	6.336	43	107342	18.779	ug/l	99
44) Trichloroethene	7.122	130	40128	18.461	ug/l	95
45) 1,2-Dichloropropane	7.427	63	43371	19.056	ug/l	96
46) Dibromomethane	7.573	93	30193	17.427	ug/l	99
47) Bromodichloromethane	7.817	83	61842	17.405	ug/l	96
48) Methyl methacrylate	7.689	41	50212	18.924	ug/l	99
49) 1,4-Dioxane	7.659	88	20996	379.274	ug/l	96
51) 4-Methyl-2-Pentanone	8.567	43	319737	101.217	ug/l	98
52) Toluene	8.713	92	106487	19.242	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	65922	17.958	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	73264	18.406	ug/l	96
55) 1,1,2-Trichloroethane	9.146	97	42407	18.940	ug/l	94
56) Ethyl methacrylate	9.116	69	73137	18.998	ug/l	98
57) 1,3-Dichloropropane	9.305	76	73209	19.201	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	157160	83.152	ug/l	98
59) 2-Hexanone	9.427	43	231694	99.695	ug/l	99
60) Dibromochloromethane	9.518	129	47950	18.246	ug/l	100
61) 1,2-Dibromoethane	9.604	107	44437	18.938	ug/l	98
64) Tetrachloroethene	9.268	164	33701	18.672	ug/l	99
65) Chlorobenzene	10.073	112	114176	18.702	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	39214	17.674	ug/l	98
67) Ethyl Benzene	10.189	91	199900	18.765	ug/l	98
68) m/p-Xylenes	10.299	106	150751	38.135	ug/l	98
69) o-Xylene	10.640	106	75639	18.921	ug/l	99
70) Styrene	10.652	104	126504	19.600	ug/l	97
71) Bromoform	10.799	173	32141	17.798	ug/l #	98
73) Isopropylbenzene	10.957	105	189275	18.433	ug/l	99
74) N-amyl acetate	10.841	43	89318	17.648	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	64877	18.294	ug/l	98
76) 1,2,3-Trichloropropane	11.237	75	74243	24.339	ug/l	80
77) Bromobenzene	11.195	156	44492	18.538	ug/l	94
78) n-propylbenzene	11.298	91	217748	19.229	ug/l	100
79) 2-Chlorotoluene	11.359	91	134830	18.432	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	158844	19.003	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	23711	17.776	ug/l	94
82) 4-Chlorotoluene	11.451	91	150487	18.780	ug/l	98
83) tert-Butylbenzene	11.713	119	160244	18.334	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	158646	18.677	ug/l	100
85) sec-Butylbenzene	11.890	105	196136	19.273	ug/l	99
86) p-Isopropyltoluene	12.006	119	159144	19.029	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	78221	18.793	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	78858	18.742	ug/l	99
89) n-Butylbenzene	12.329	91	142284	19.808	ug/l	99
90) Hexachloroethane	12.536	117	33238	17.551	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	79447	18.586	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	12965	14.949	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	48749	19.078	ug/l	97
94) Hexachlorobutadiene	13.725	225	18012	17.945	ug/l	98
95) Naphthalene	13.774	128	182044	18.471	ug/l	99
96) 1,2,3-Trichlorobenzene	13.956	180	48973	18.489	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044715.D
Acq On : 27 Jan 2025 11:52
Operator : JC/MD
Sample : VX0127WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Quant Time: Jan 28 04:09:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

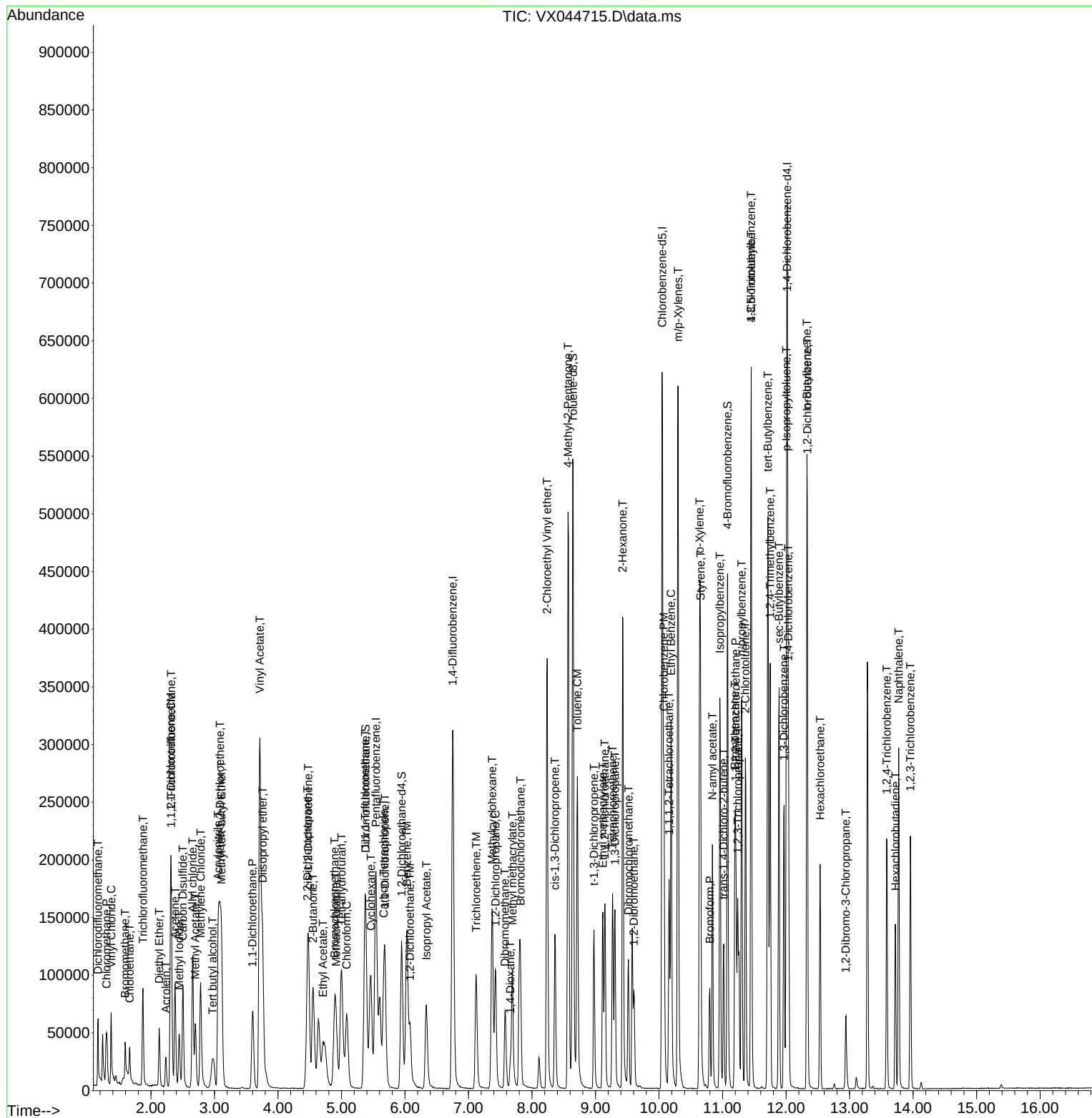
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

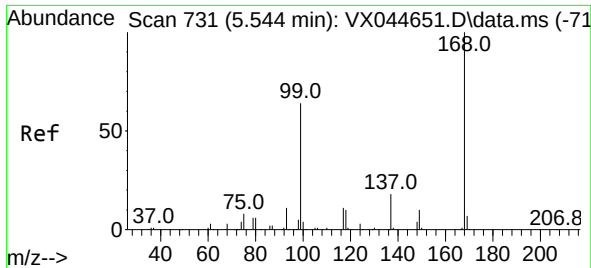
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
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Acq On : 27 Jan 2025 11:52
Operator : JC/MD
Sample : VX0127WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Quant Time: Jan 28 04:09:21 2025
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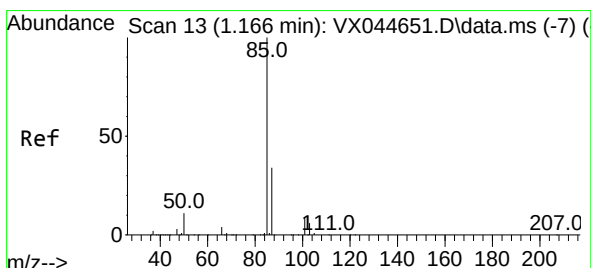
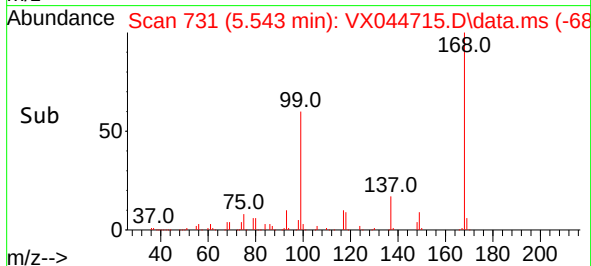
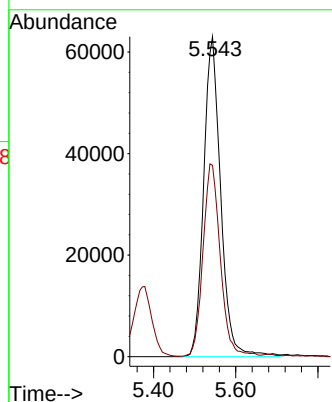
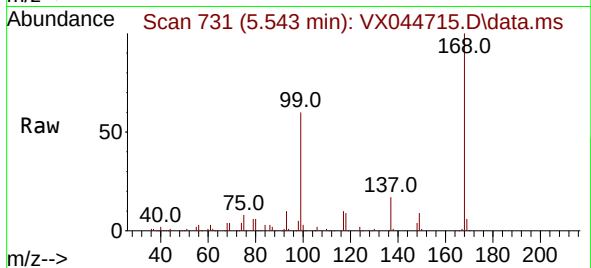




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

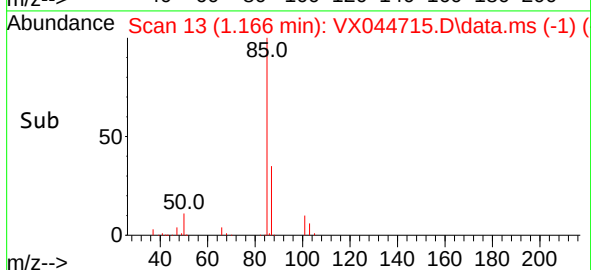
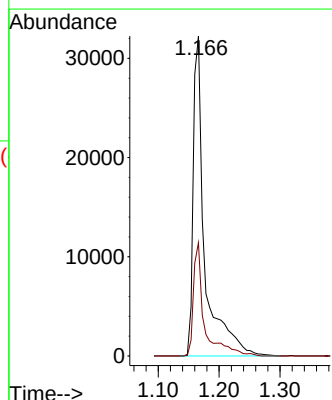
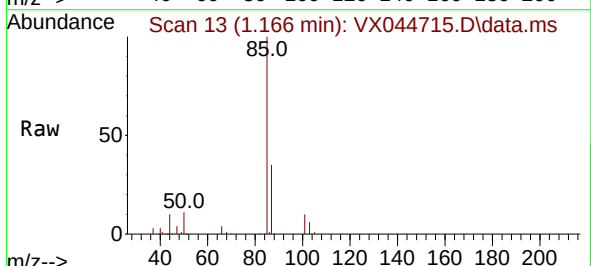
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

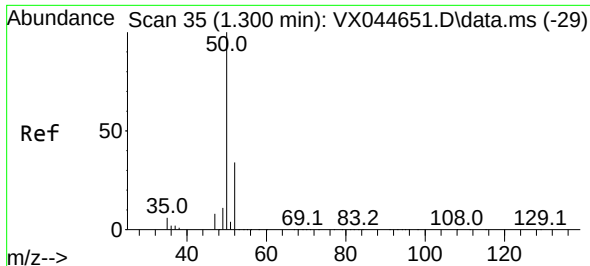
Tgt Ion:168 Resp: 181106
Ion Ratio Lower Upper
168 100
99 59.7 51.1 76.7



#2
Dichlorodifluoromethane
Concen: 17.452 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 85 Resp: 42531
Ion Ratio Lower Upper
85 100
87 35.4 16.8 50.4

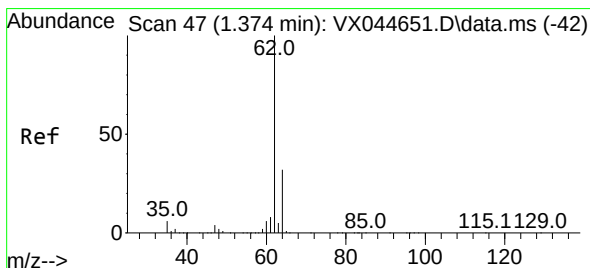
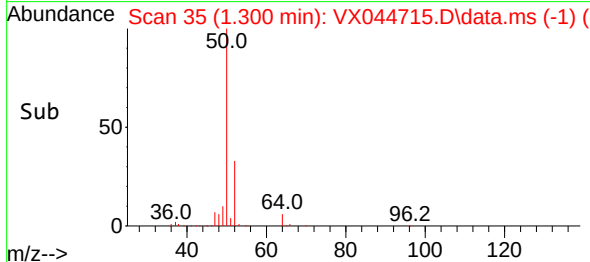
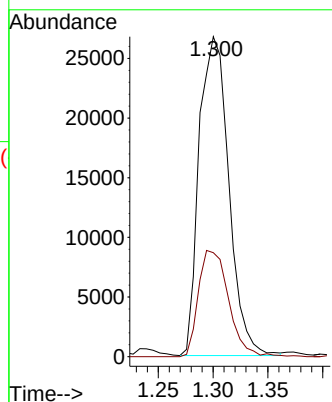
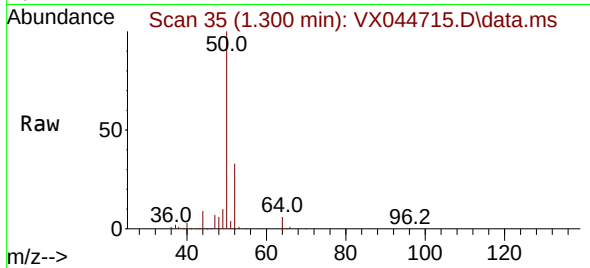




#3
Chloromethane
Concen: 19.113 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

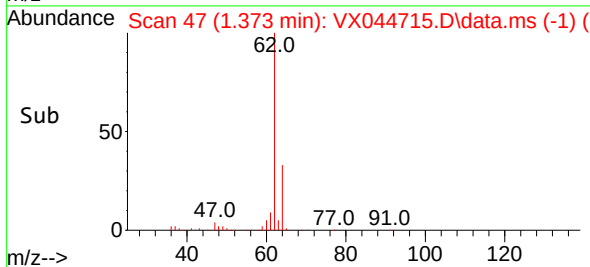
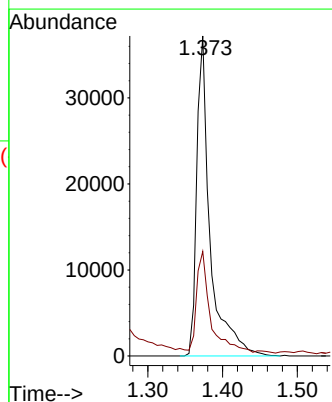
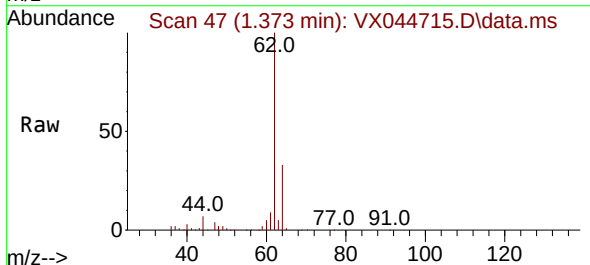
Instrument :
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ClientSampleId :
VX0127WBSD01

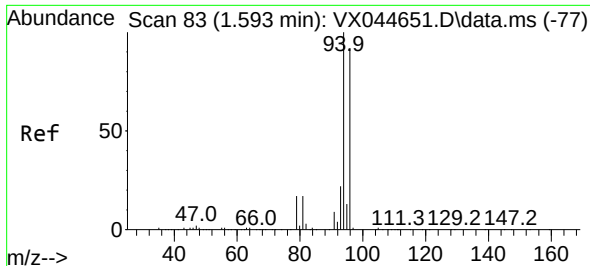
Tgt Ion: 50 Resp: 50371
Ion Ratio Lower Upper
50 100
52 32.6 27.0 40.4



#4
Vinyl Chloride
Concen: 17.683 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 62 Resp: 46045
Ion Ratio Lower Upper
62 100
64 31.4 26.6 39.8

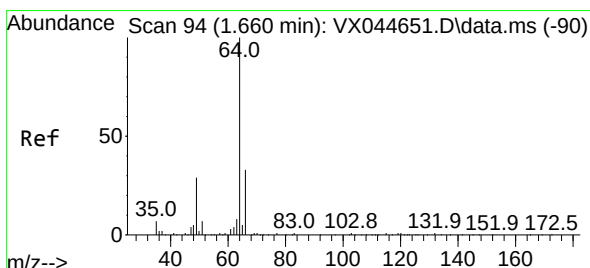
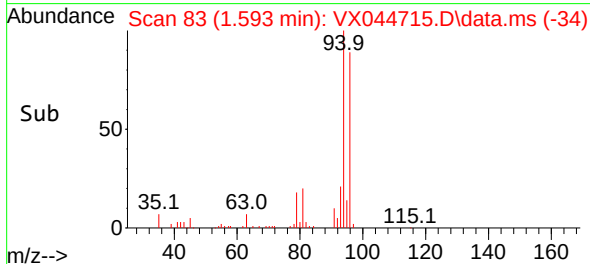
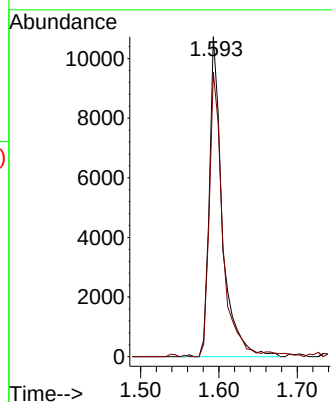
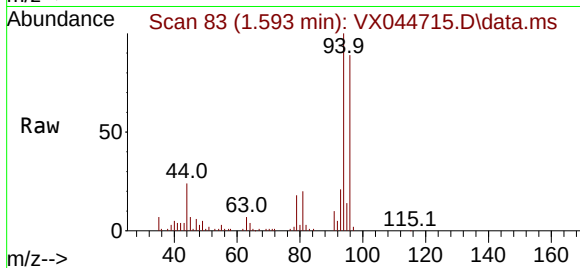




#5
Bromomethane
Concen: 19.887 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

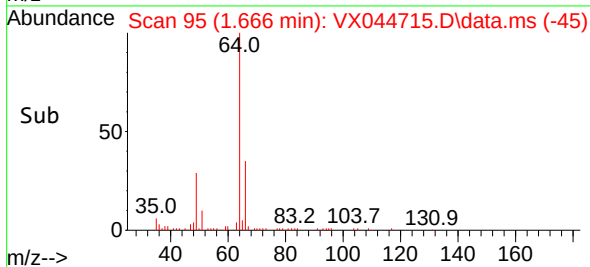
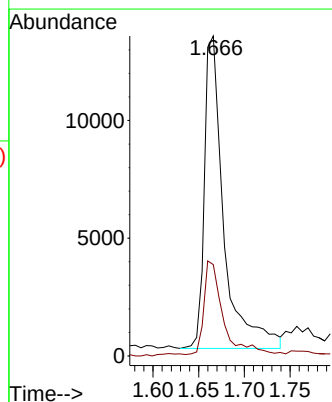
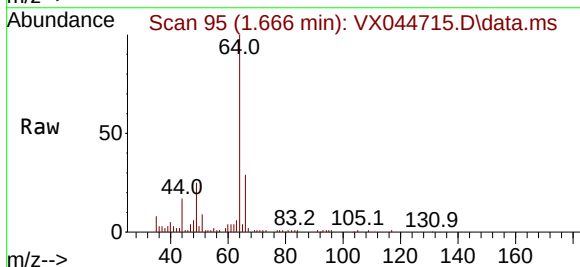
Instrument :
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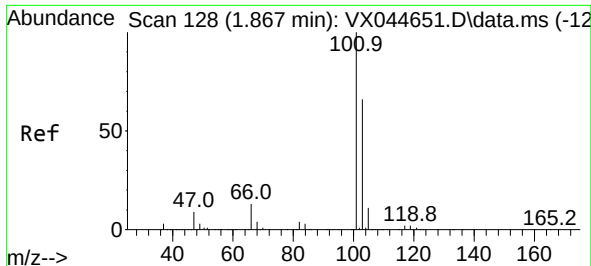
Tgt Ion: 94 Resp: 12365
Ion Ratio Lower Upper
94 100
96 88.8 72.8 109.2



#6
Chloroethane
Concen: 40.984 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 64 Resp: 19570
Ion Ratio Lower Upper
64 100
66 28.6 26.6 39.8

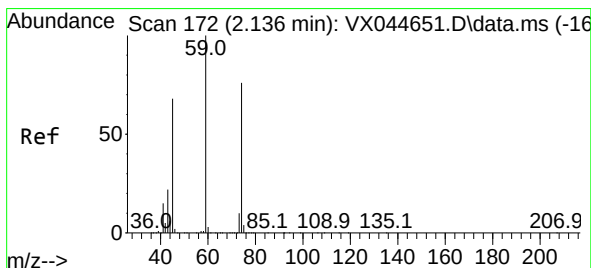
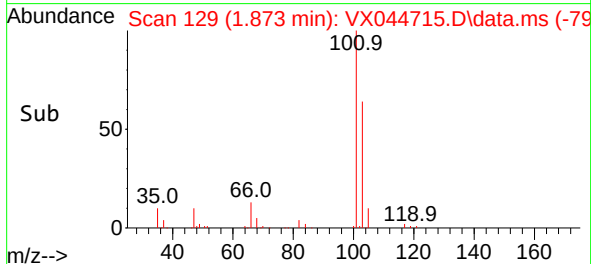
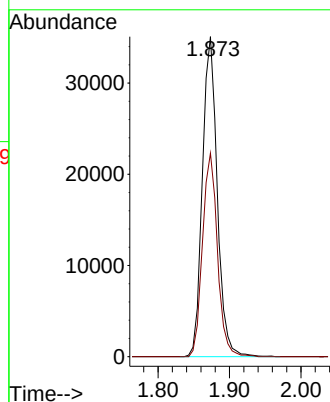
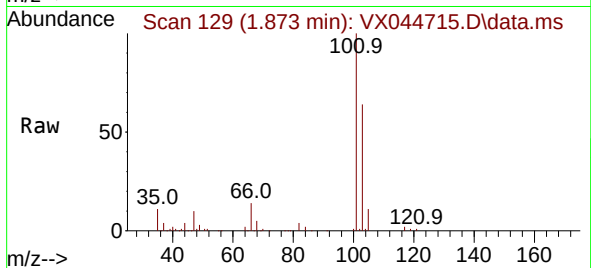




#7
Trichlorofluoromethane
Concen: 17.623 ug/l
RT: 1.873 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

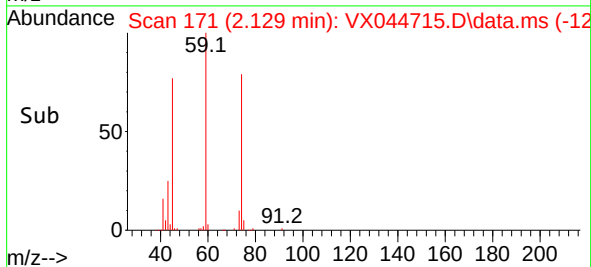
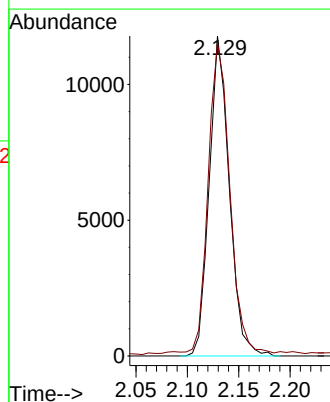
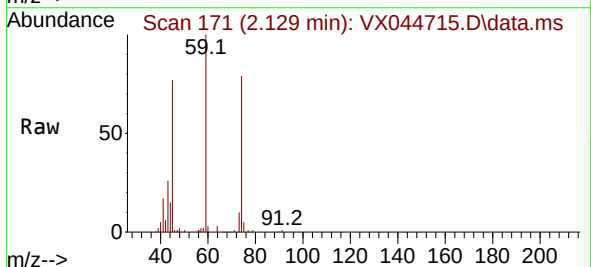
Instrument :
MSVOA_X
ClientSampleId :
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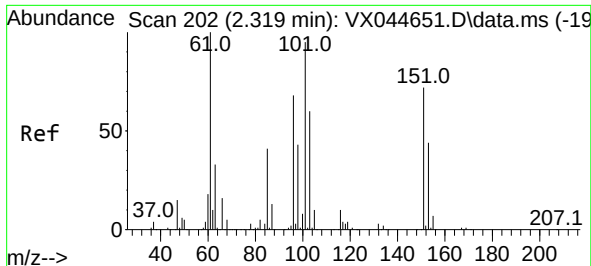
Tgt Ion:101 Resp: 50717
Ion Ratio Lower Upper
101 100
103 63.6 52.5 78.7



#8
Diethyl Ether
Concen: 13.762 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 74 Resp: 15983
Ion Ratio Lower Upper
74 100
45 106.3 47.1 141.3

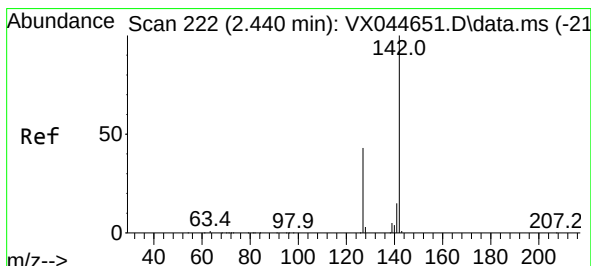
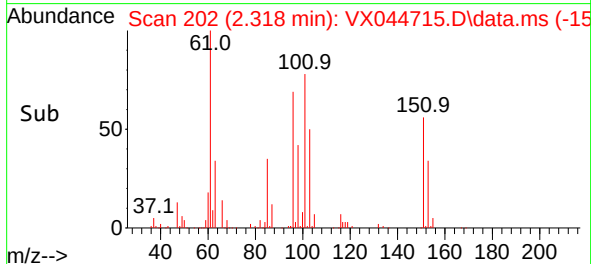
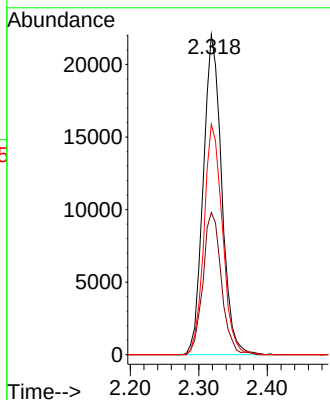
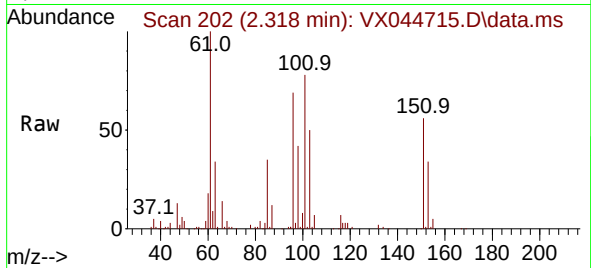




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.041 ug/l
RT: 2.318 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

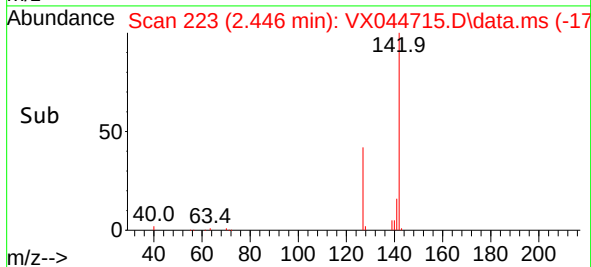
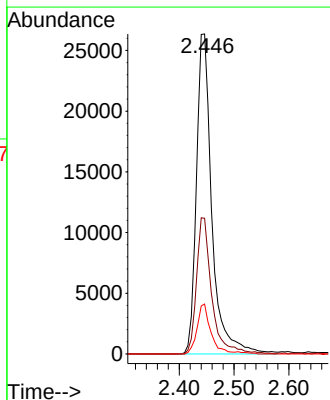
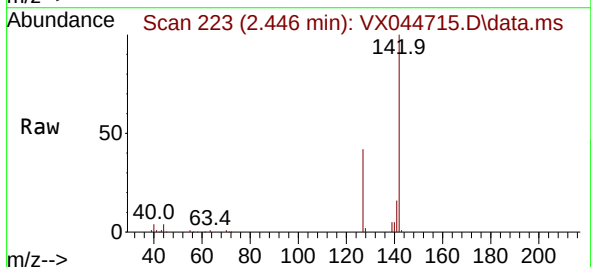
Instrument :
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ClientSampleId :
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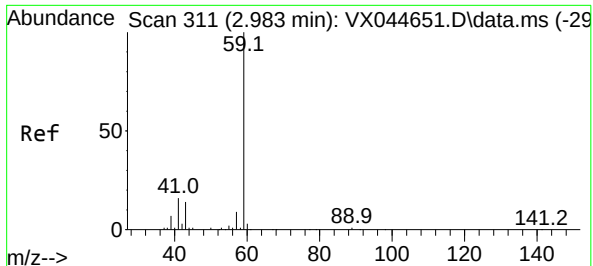
Tgt Ion:101 Resp: 41192
Ion Ratio Lower Upper
101 100
85 44.4 35.3 52.9
151 72.0 58.2 87.4



#10
Methyl Iodide
Concen: 17.555 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:142 Resp: 51850
Ion Ratio Lower Upper
142 100
127 42.0 35.0 52.4
141 14.3 11.7 17.5

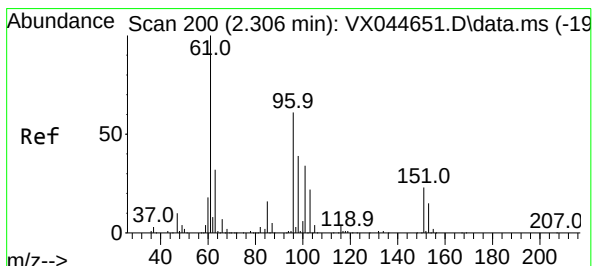
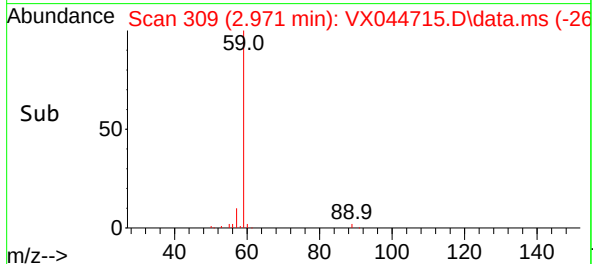
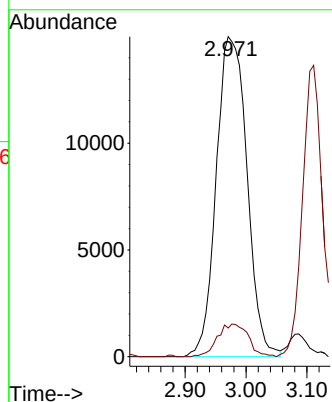
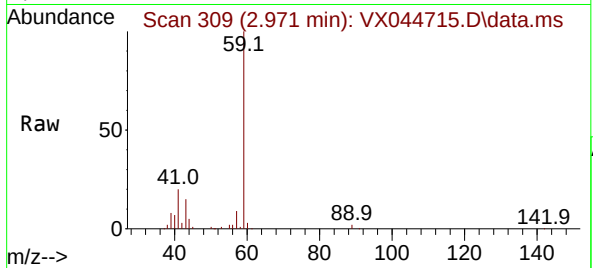




#11
Tert butyl alcohol
Concen: 86.265 ug/l
RT: 2.971 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

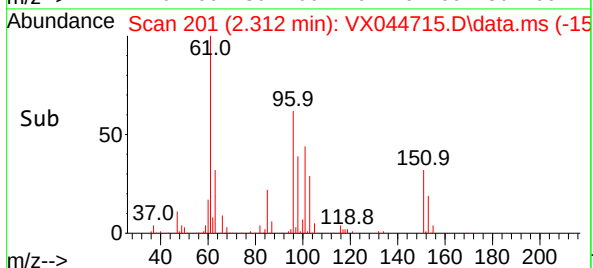
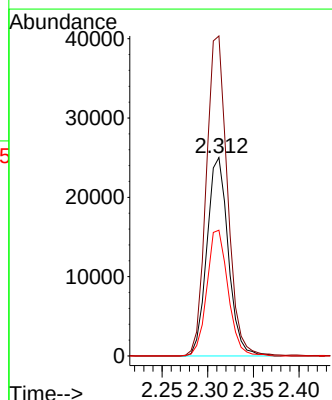
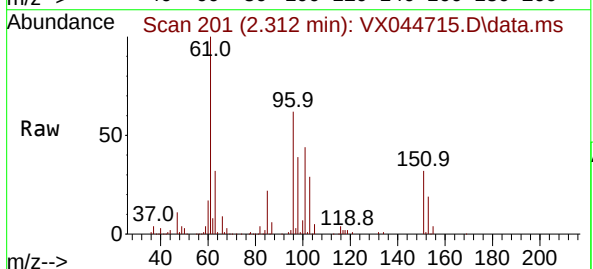
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

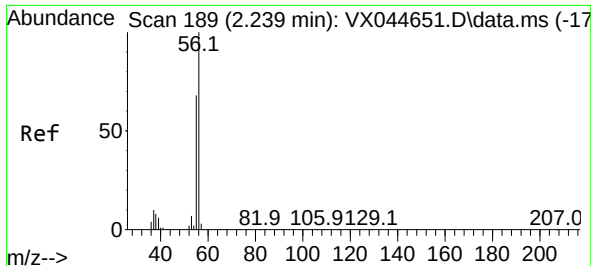
Tgt Ion: 59 Resp: 52572
Ion Ratio Lower Upper
59 100
57 10.2 3.9 5.9#



#12
1,1-Dichloroethene
Concen: 19.179 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 96 Resp: 40671
Ion Ratio Lower Upper
96 100
61 161.2 131.1 196.7
98 63.3 51.2 76.8

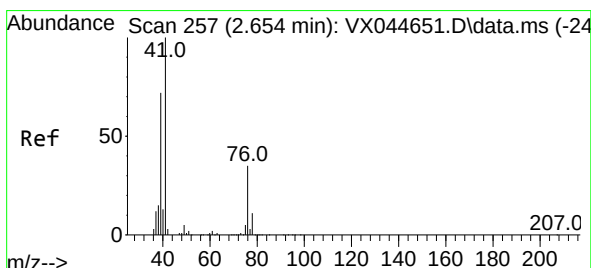
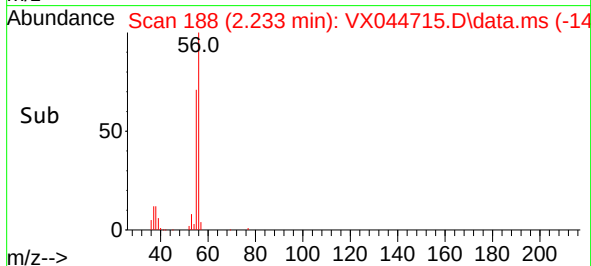
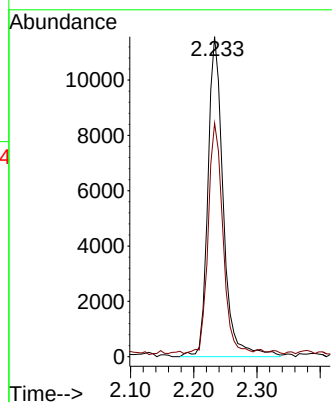
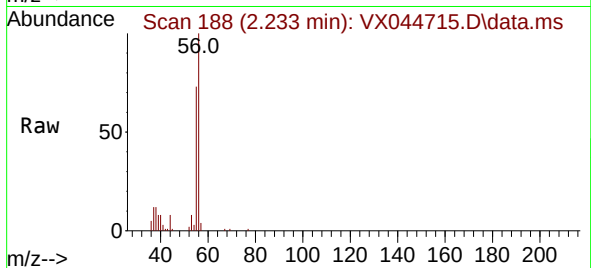




#13
Acrolein
Concen: 68.368 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

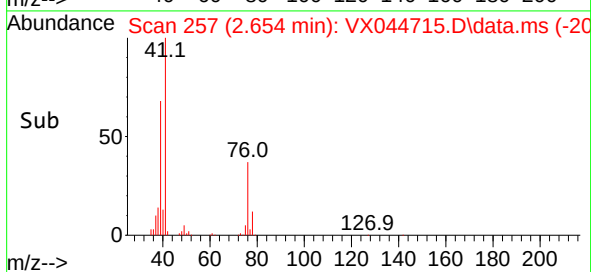
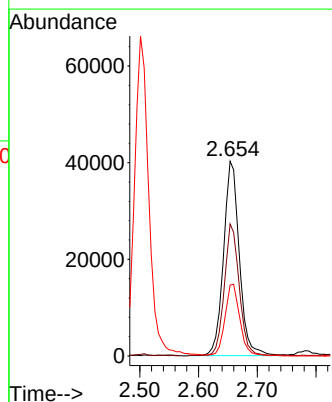
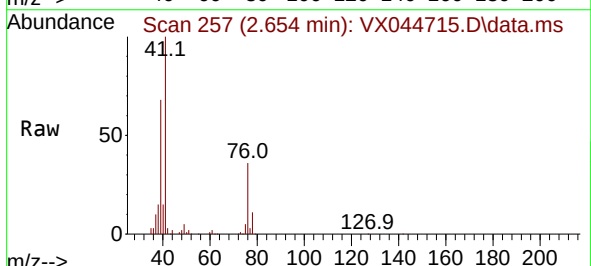
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

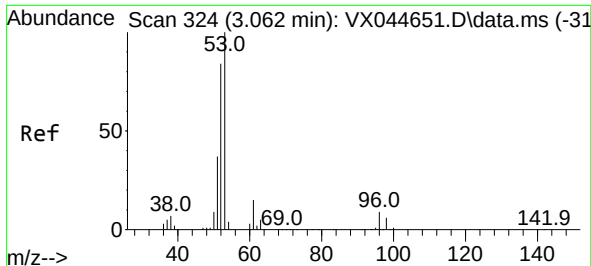
Tgt Ion: 56 Resp: 19607
Ion Ratio Lower Upper
56 100
55 68.6 55.1 82.7



#14
Allyl chloride
Concen: 18.227 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 41 Resp: 75257
Ion Ratio Lower Upper
41 100
39 64.4 54.9 82.3
76 34.9 28.4 42.6

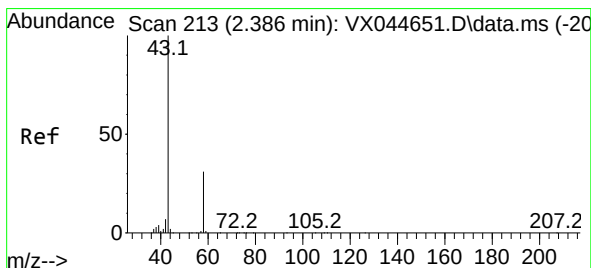
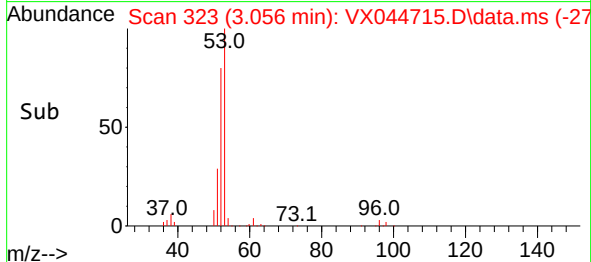
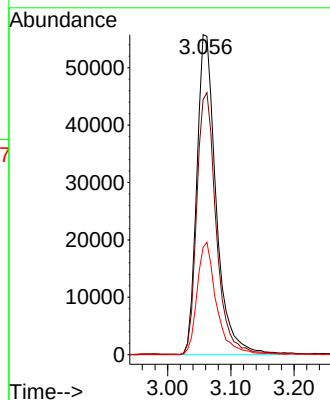
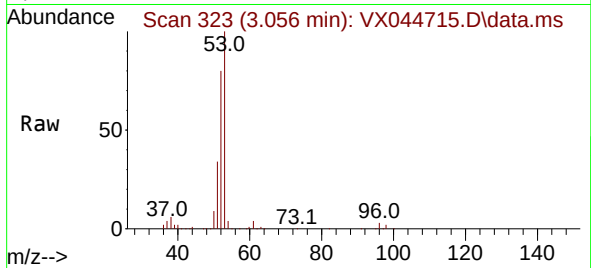




#15
Acrylonitrile
Concen: 99.311 ug/l
RT: 3.056 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

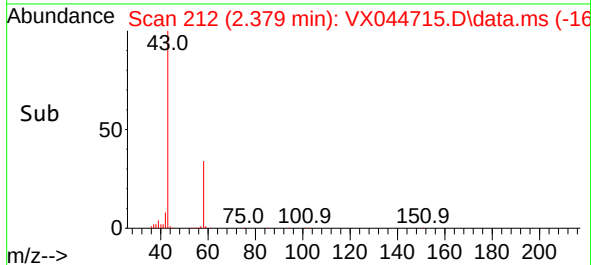
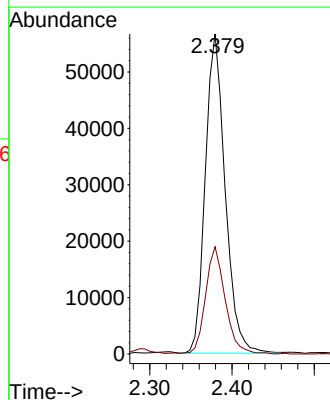
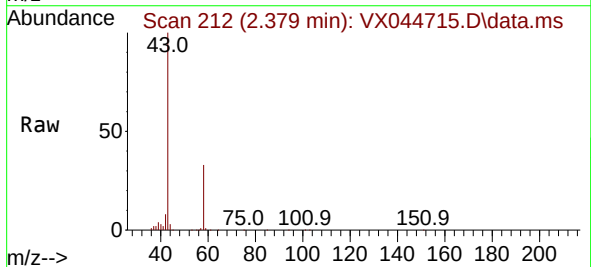
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

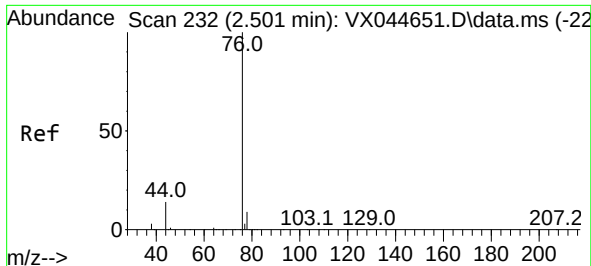
Tgt Ion: 53 Resp: 118706
Ion Ratio Lower Upper
53 100
52 83.0 66.0 99.0
51 34.8 28.9 43.3



#16
Acetone
Concen: 87.792 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 43 Resp: 94951
Ion Ratio Lower Upper
43 100
58 33.4 24.6 37.0

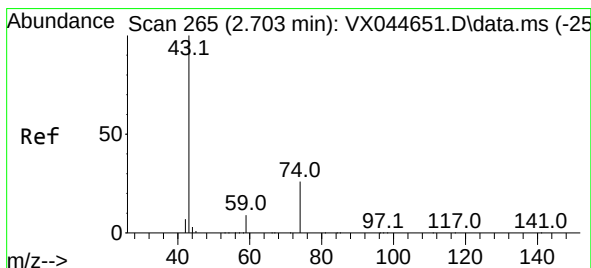
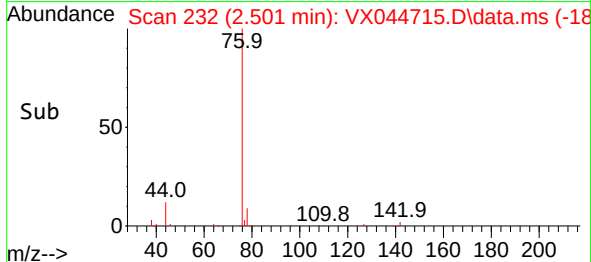
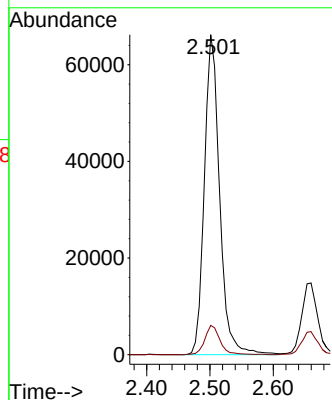
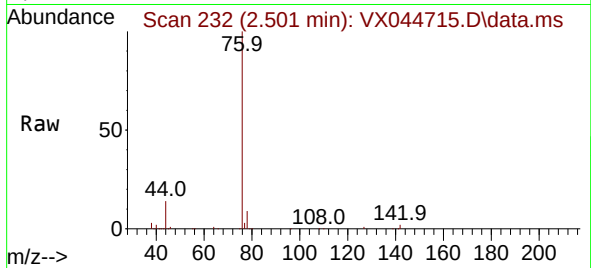




#17
Carbon Disulfide
Concen: 19.250 ug/l
RT: 2.501 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

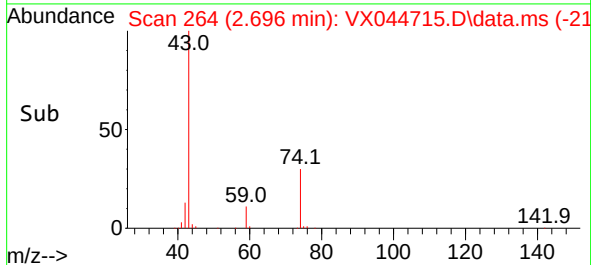
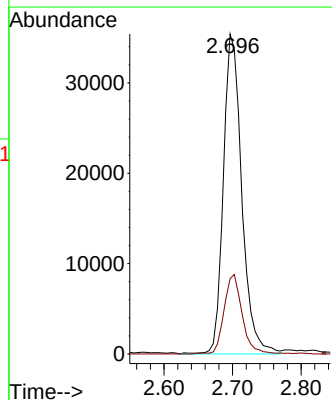
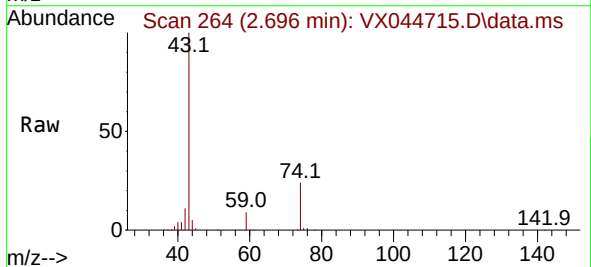
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

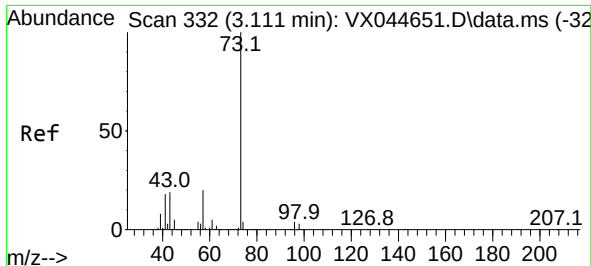
Tgt Ion: 76 Resp: 111388
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 19.791 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 43 Resp: 66037
Ion Ratio Lower Upper
43 100
74 24.4 19.8 29.8

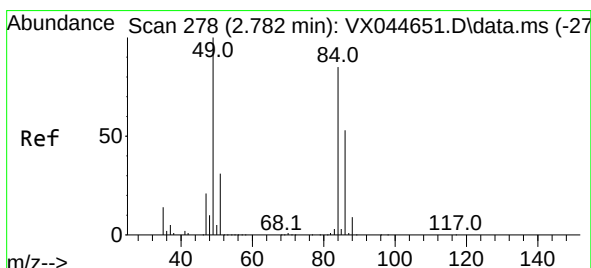
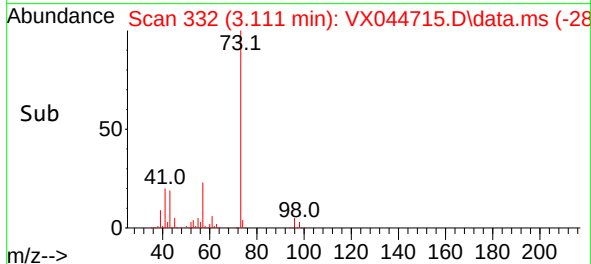
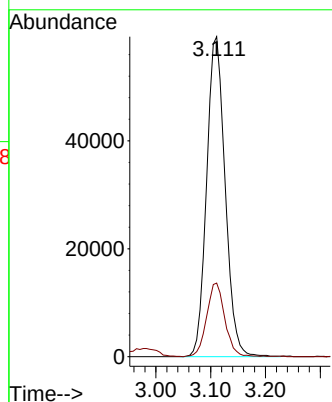
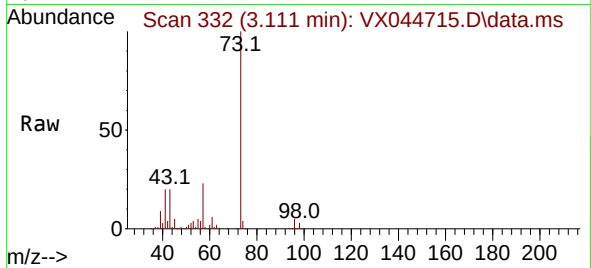




#19
Methyl tert-butyl Ether
Concen: 18.047 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

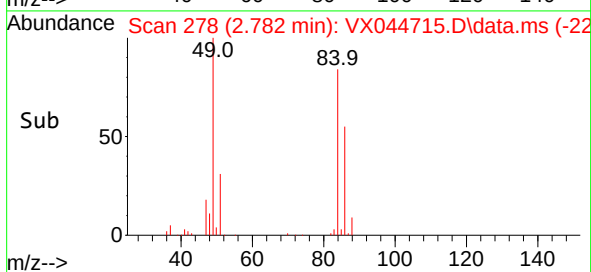
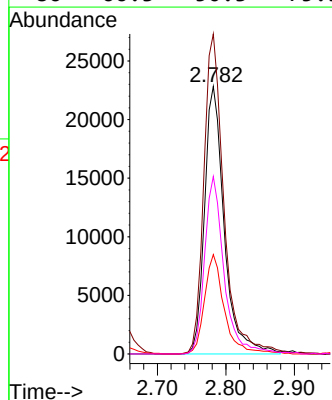
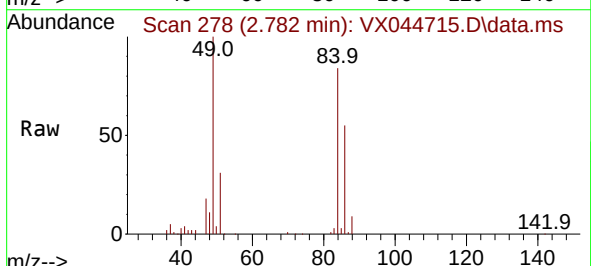
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

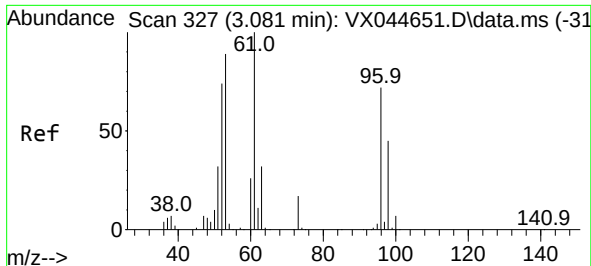
Tgt Ion: 73 Resp: 138618
Ion Ratio Lower Upper
73 100
57 22.9 17.4 26.0



#20
Methylene Chloride
Concen: 18.162 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 84 Resp: 45743
Ion Ratio Lower Upper
84 100
49 119.6 94.2 141.4
51 37.1 28.8 43.2
86 66.3 50.3 75.5

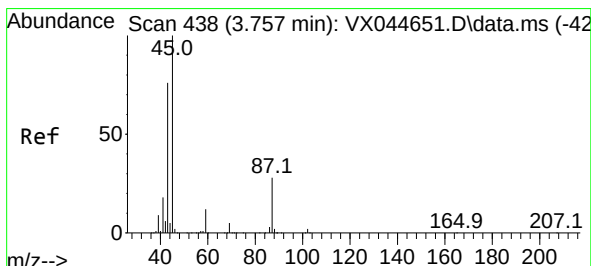
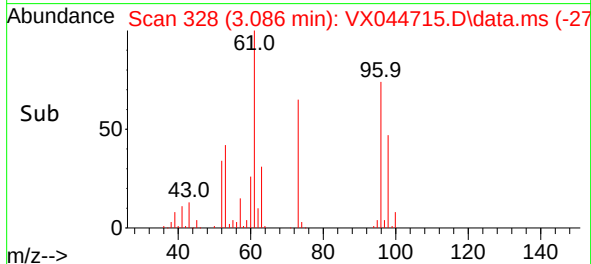
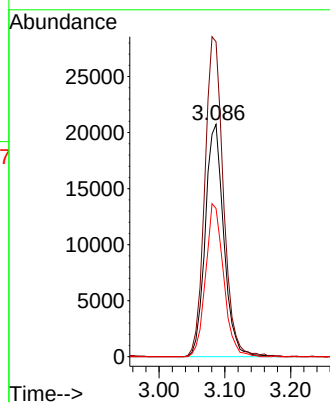
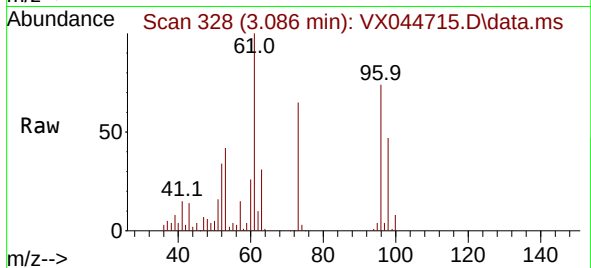




#21
trans-1,2-Dichloroethene
Concen: 18.364 ug/l
RT: 3.086 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

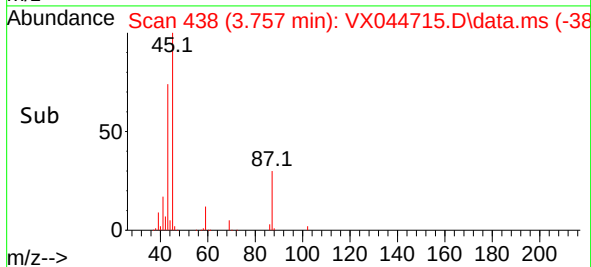
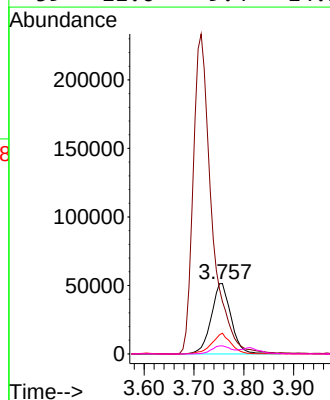
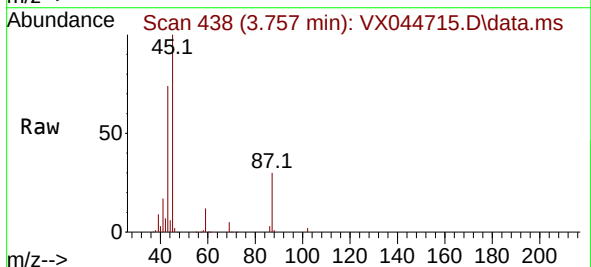
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

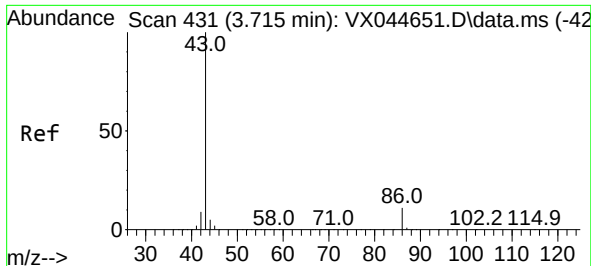
Tgt Ion: 96 Resp: 40658
Ion Ratio Lower Upper
96 100
61 135.6 111.0 166.6
98 63.8 50.2 75.2



#22
Diisopropyl ether
Concen: 19.734 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 45 Resp: 141633
Ion Ratio Lower Upper
45 100
43 73.2 61.0 91.6
87 29.6 22.7 34.1
59 11.6 9.4 14.2

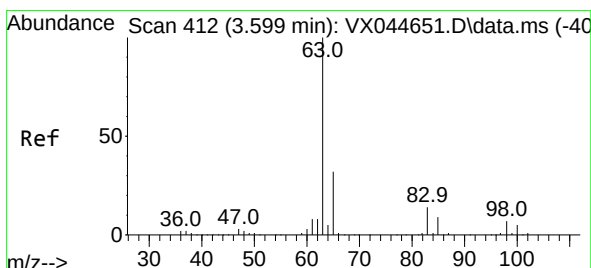
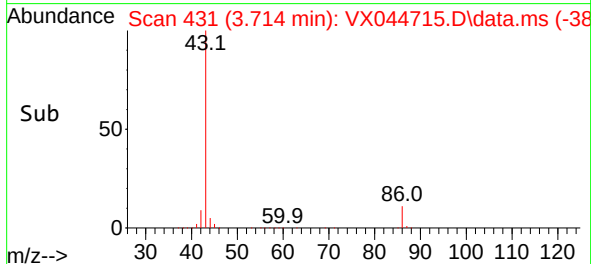
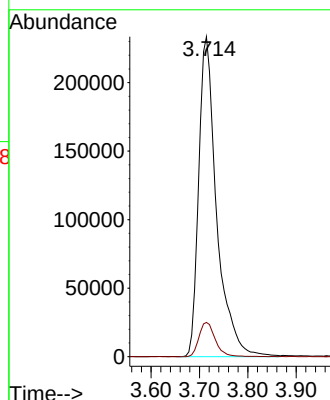
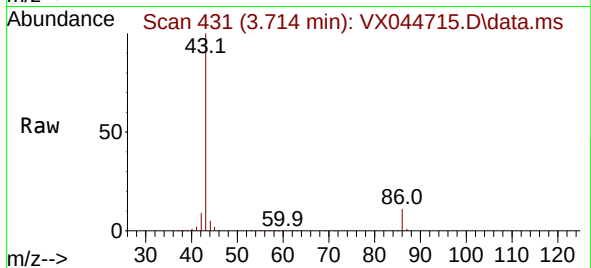




#23
 Vinyl Acetate
 Concen: 95.967 ug/l
 RT: 3.714 min Scan# 411
 Delta R.T. -0.000 min
 Lab File: VX044715.D
 Acq: 27 Jan 2025 11:52

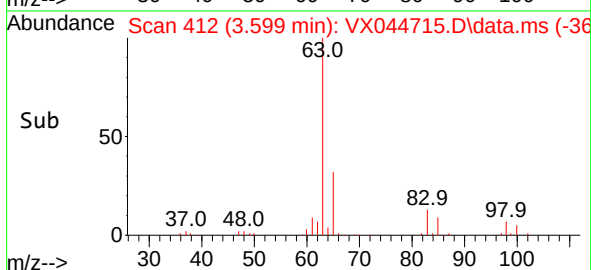
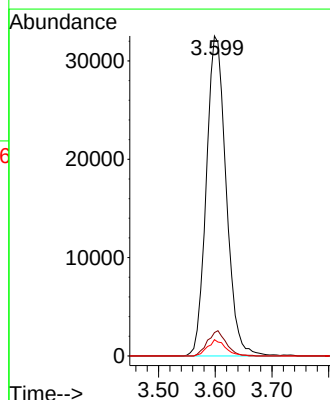
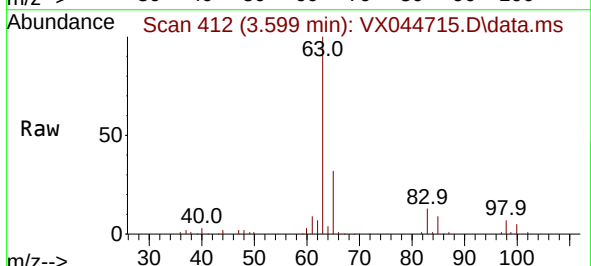
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBSD01

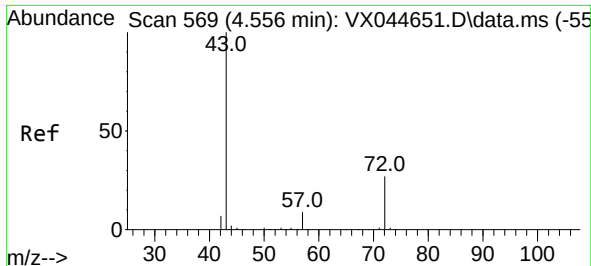
Tgt Ion: 43 Resp: 602846
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 18.558 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.000 min
 Lab File: VX044715.D
 Acq: 27 Jan 2025 11:52

Tgt Ion: 63 Resp: 78982
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.6 10.9
 100 5.1 2.5 7.5

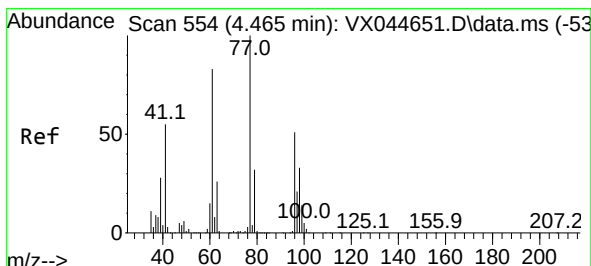
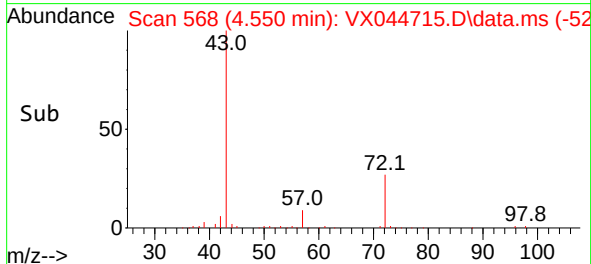
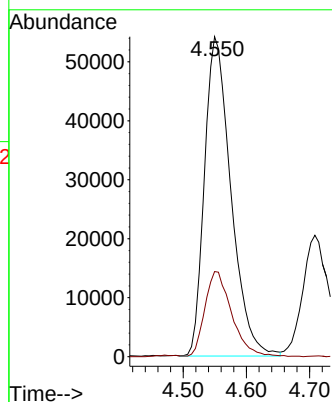
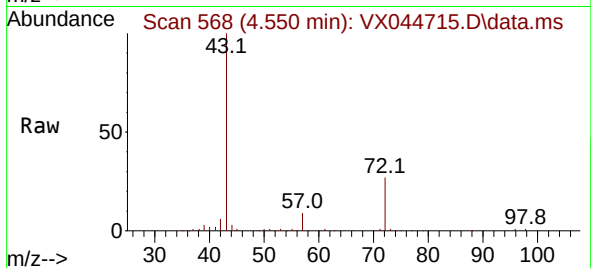




#25
2-Butanone
Concen: 98.011 ug/l
RT: 4.550 min Scan# 569
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

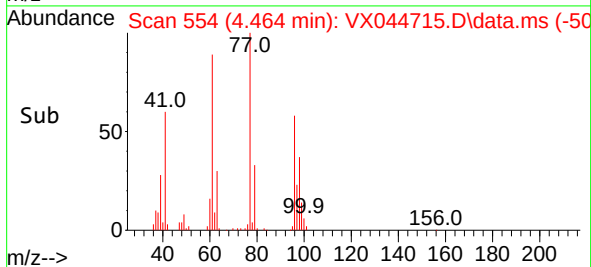
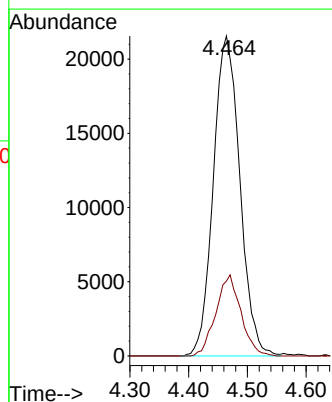
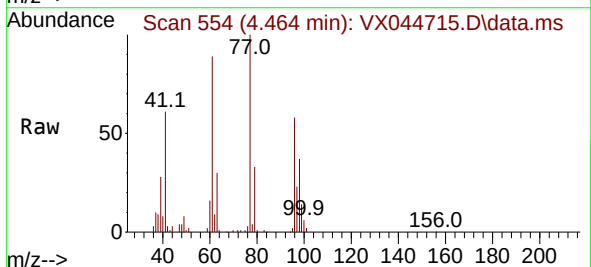
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

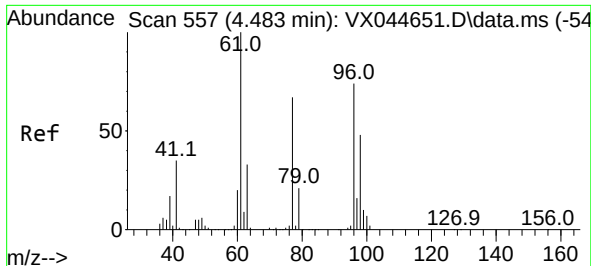
Tgt Ion: 43 Resp: 157607
Ion Ratio Lower Upper
43 100
72 26.4 21.7 32.5



#26
2,2-Dichloropropane
Concen: 16.394 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 77 Resp: 67624
Ion Ratio Lower Upper
77 100
97 24.0 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 18.038 ug/l

RT: 4.476 min Scan# 556

Delta R.T. -0.006 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

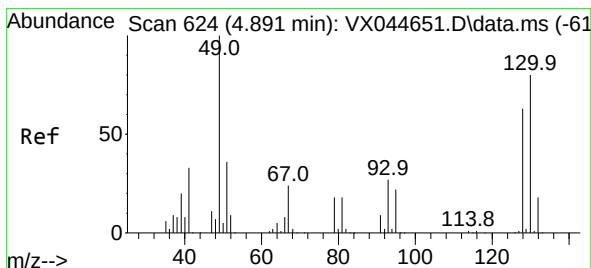
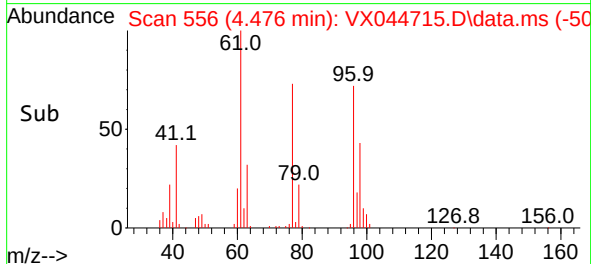
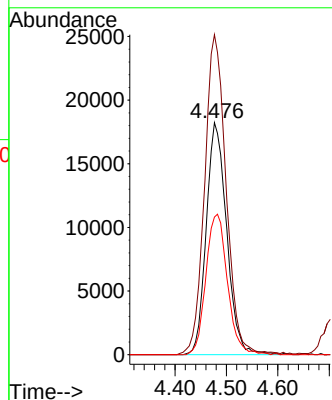
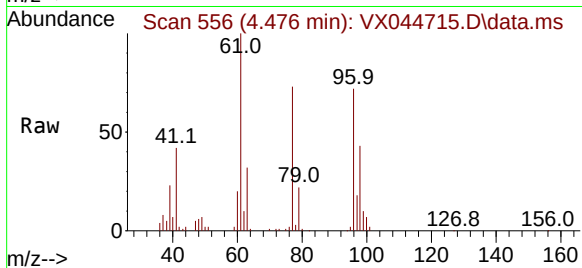
Tgt Ion: 96 Resp: 50234

Ion Ratio Lower Upper

96 100

61 144.6 0.0 296.0

98 64.0 0.0 130.0



#28

Bromochloromethane

Concen: 19.697 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

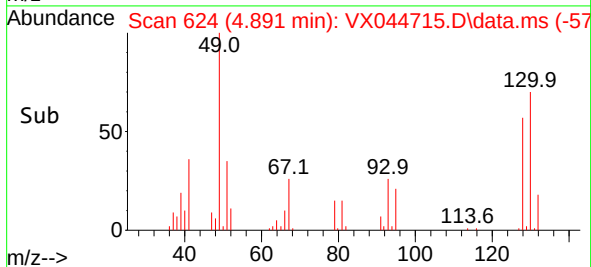
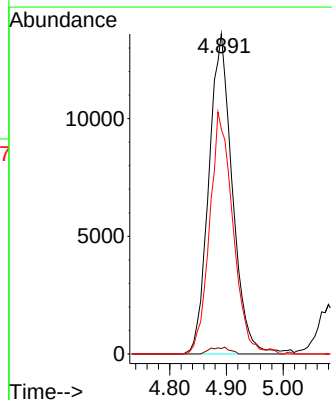
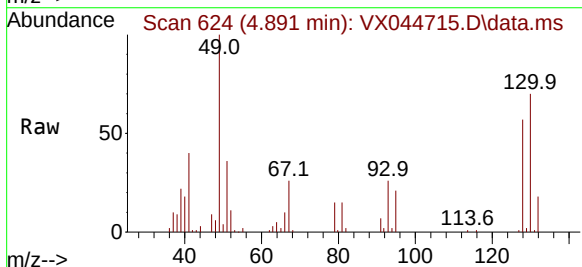
Tgt Ion: 49 Resp: 39174

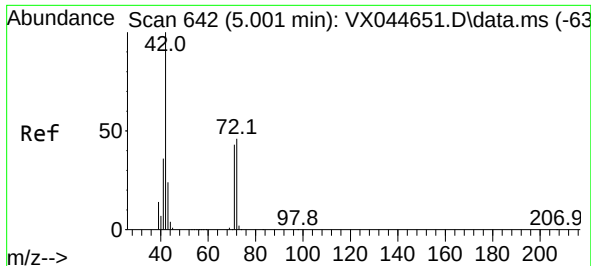
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.4

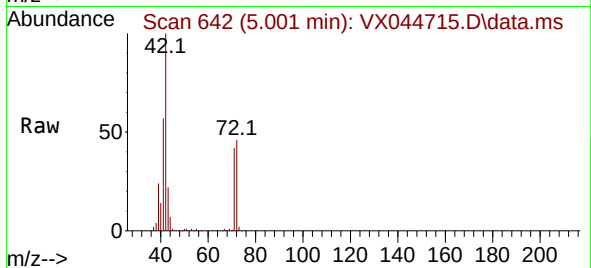
130 74.4 63.4 95.2



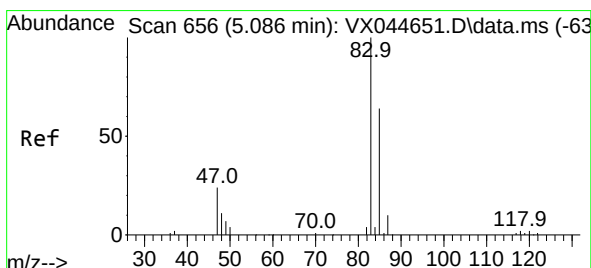
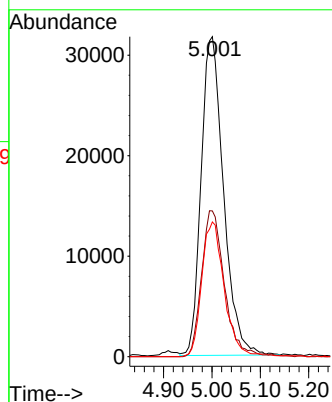
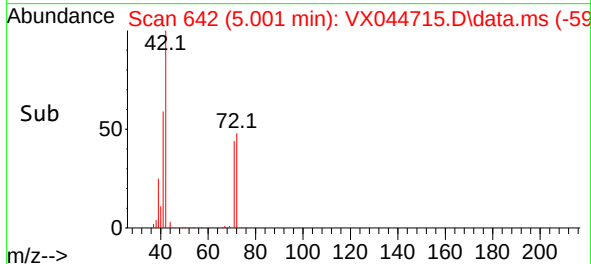


#29
Tetrahydrofuran
Concen: 98.627 ug/l
RT: 5.001 min Scan# 642
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

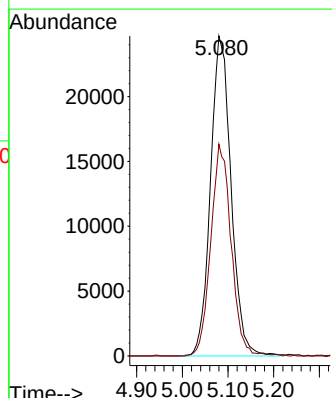
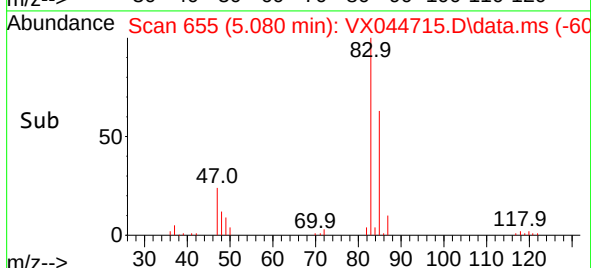
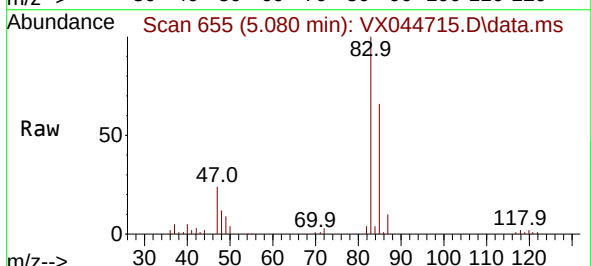


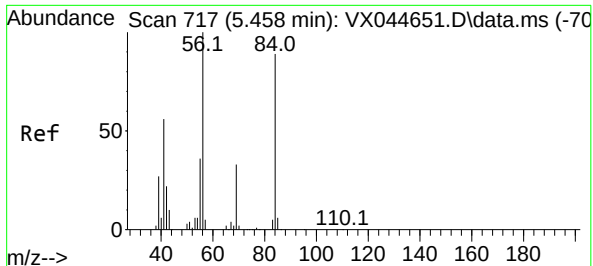
Tgt Ion: 42 Resp: 102301
Ion Ratio Lower Upper
42 100
72 46.8 38.2 57.4
71 42.5 35.3 52.9



#30
Chloroform
Concen: 17.964 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 83 Resp: 77159
Ion Ratio Lower Upper
83 100
85 66.1 51.2 76.8

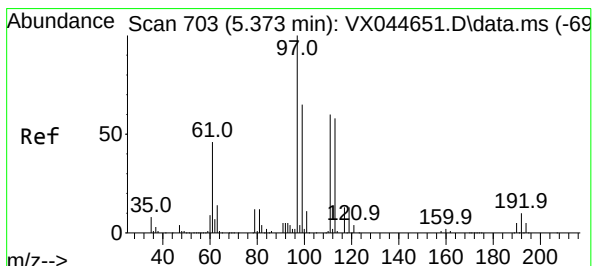
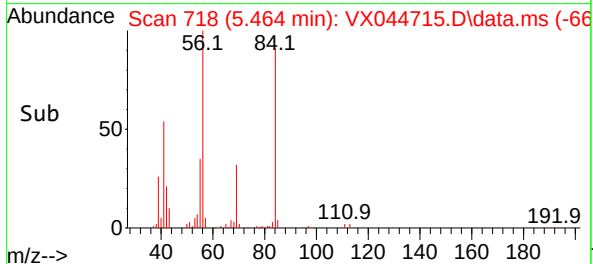
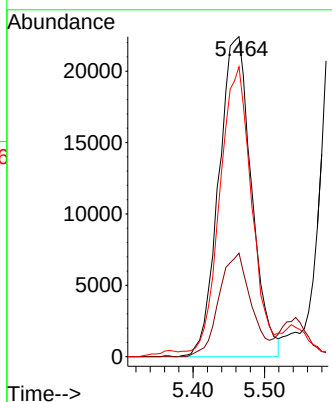
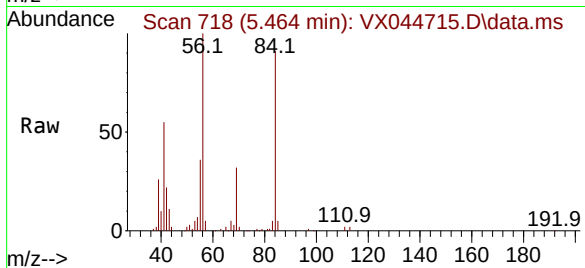




#31
Cyclohexane
Concen: 20.706 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

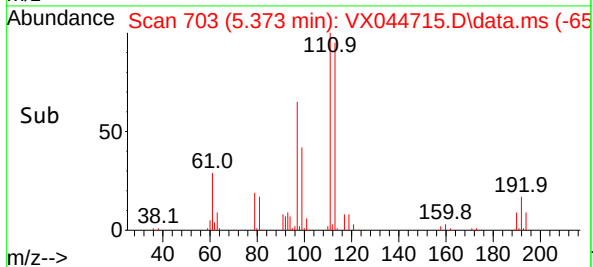
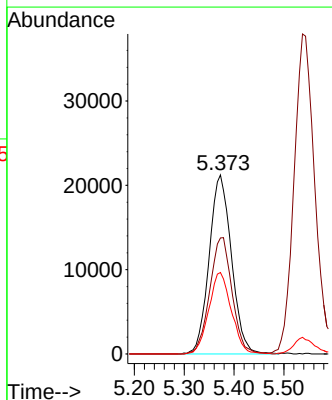
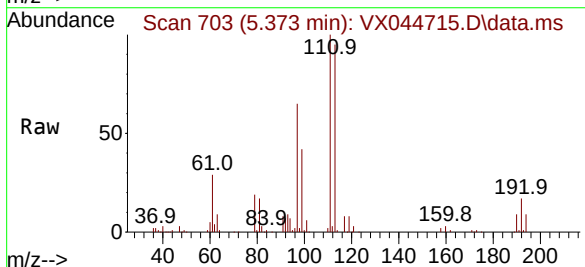
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

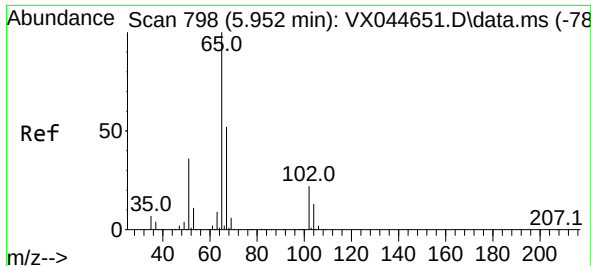
Tgt Ion: 56 Resp: 71276
Ion Ratio Lower Upper
56 100
69 32.4 26.8 40.2
84 89.1 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 16.710 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 97 Resp: 65982
Ion Ratio Lower Upper
97 100
99 65.0 51.6 77.4
61 46.1 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 42.108 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

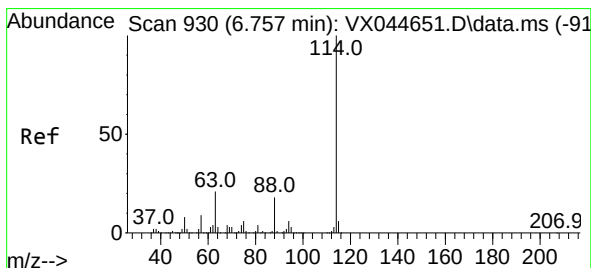
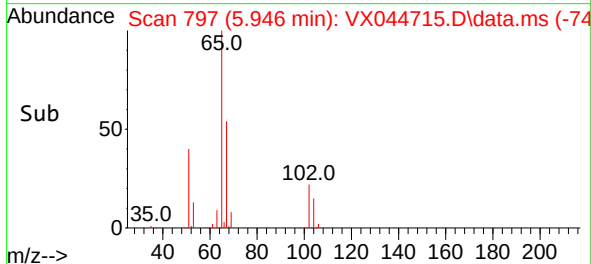
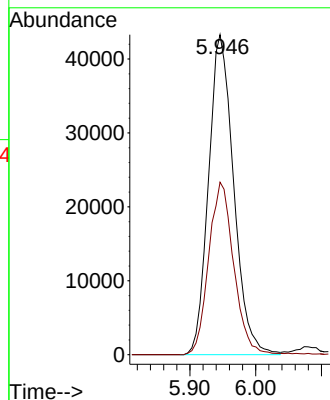
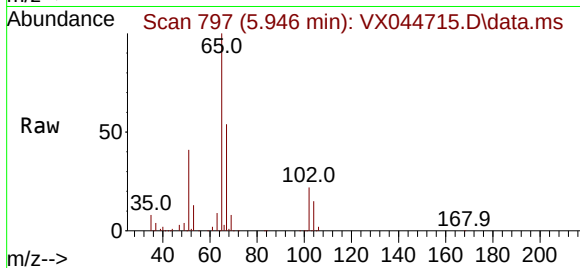
VX0127WBSD01

Tgt Ion: 65 Resp: 115109

Ion Ratio Lower Upper

65 100

67 54.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.750 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

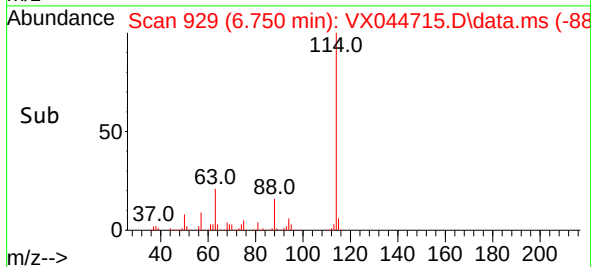
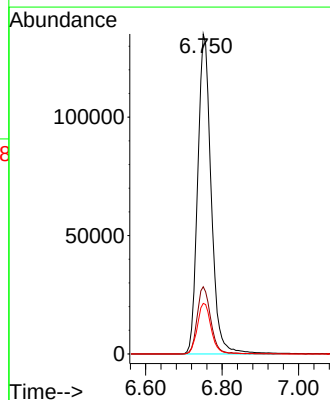
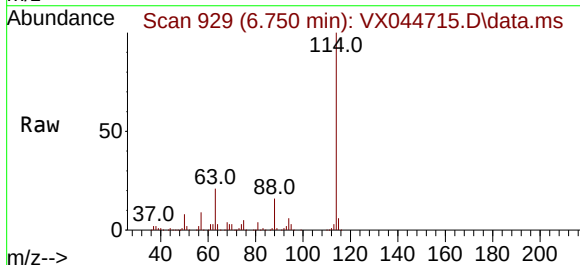
Tgt Ion: 114 Resp: 329948

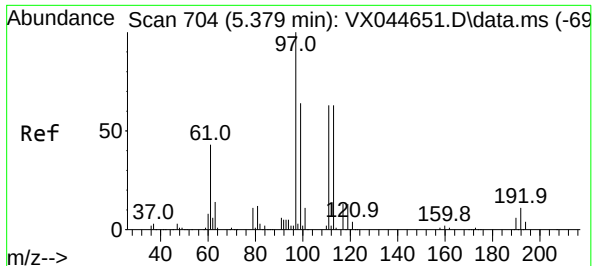
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.0

88 15.8 0.0 35.4

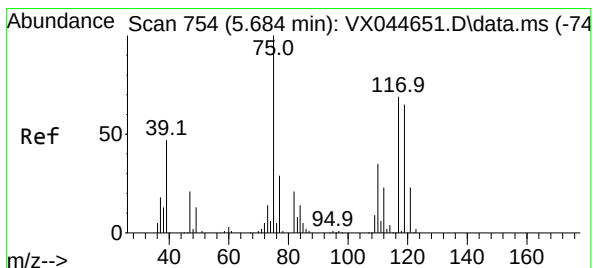
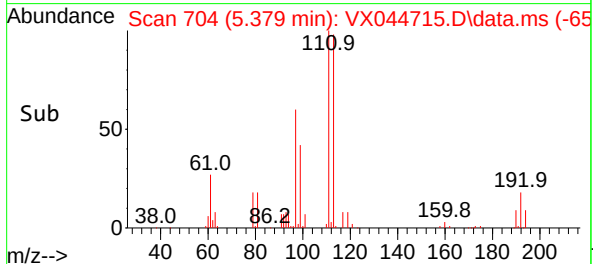
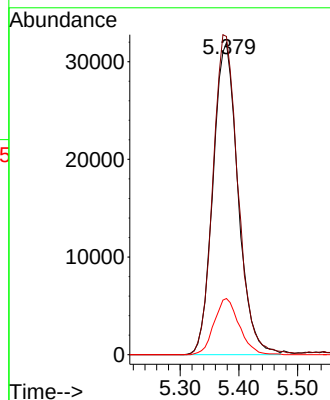
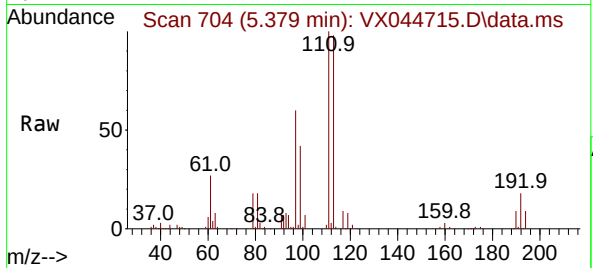




#35
Dibromofluoromethane
Concen: 45.125 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

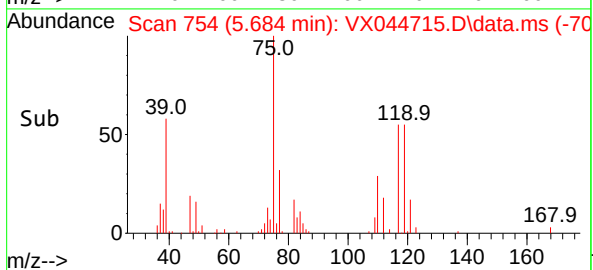
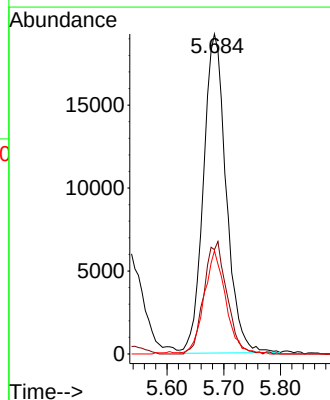
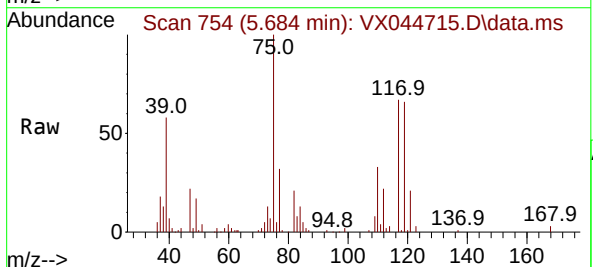
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

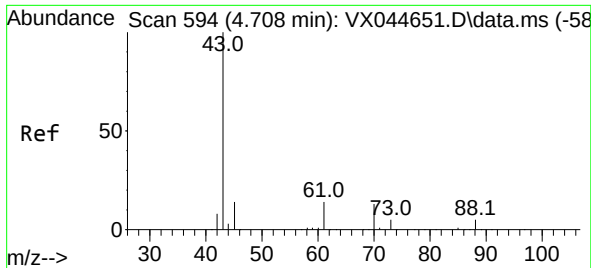
Tgt Ion:113 Resp: 94586
Ion Ratio Lower Upper
113 100
111 102.9 81.6 122.4
192 18.1 14.4 21.6



#36
1,1-Dichloropropene
Concen: 18.373 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 75 Resp: 53609
Ion Ratio Lower Upper
75 100
110 35.5 17.9 53.8
77 31.1 24.5 36.7

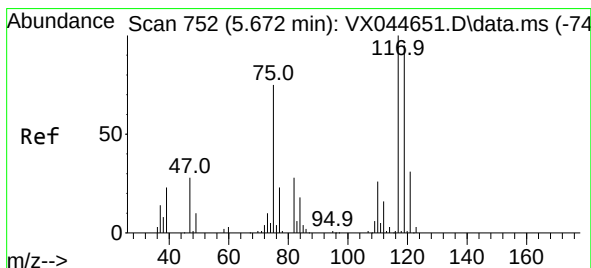
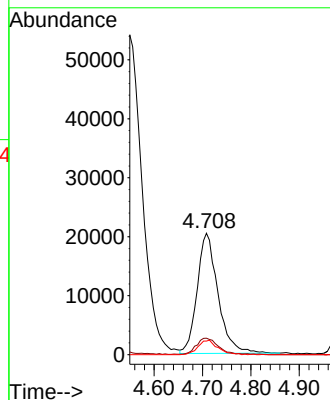
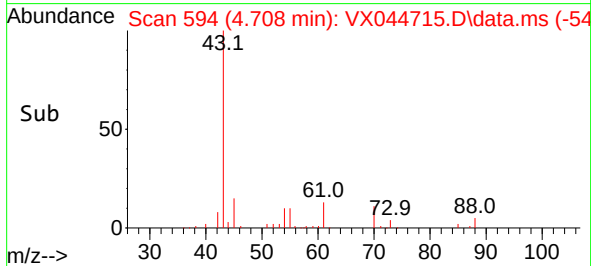
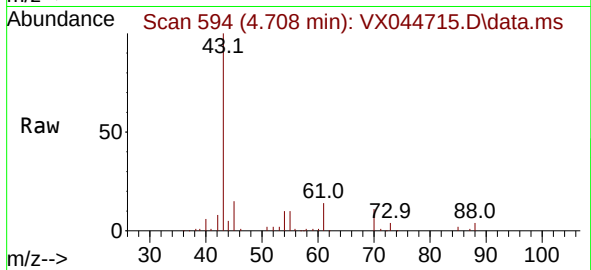




#37
Ethyl Acetate
Concen: 19.668 ug/l
RT: 4.708 min Scan# 594
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

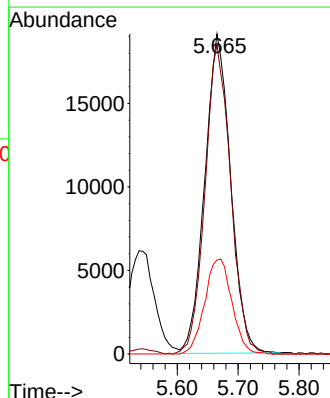
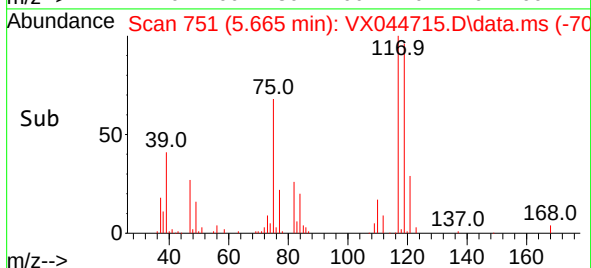
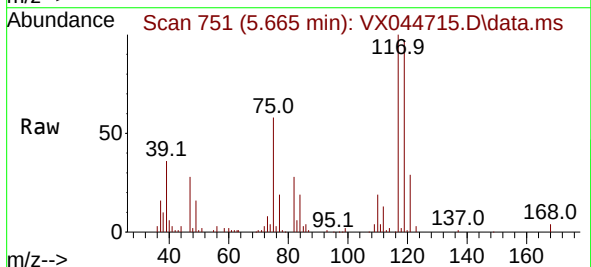
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

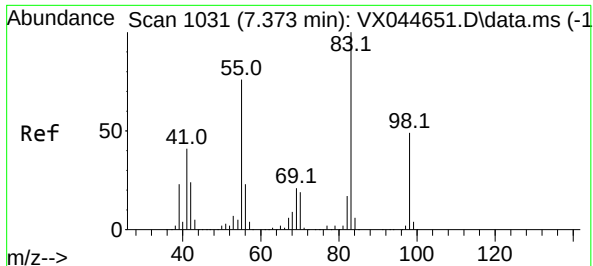
Tgt Ion:	43	Resp:	61115
Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.9	16.3
70	11.4	10.1	15.1



#38
Carbon Tetrachloride
Concen: 17.165 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:	117	Resp:	56337
Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.0	114.0
121	29.5	24.6	36.8





#39

Methylcyclohexane

Concen: 19.415 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

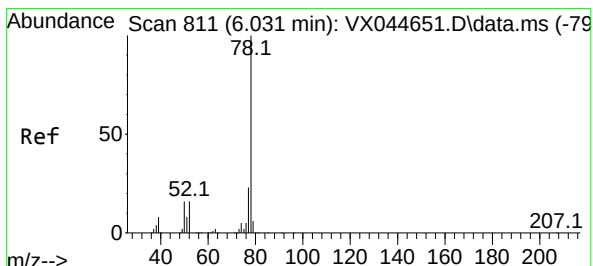
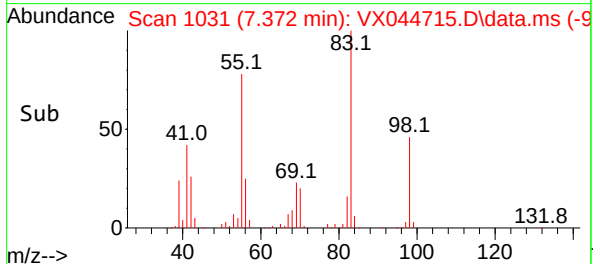
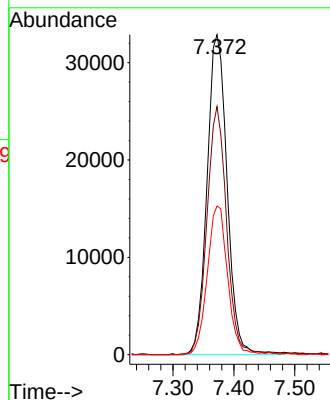
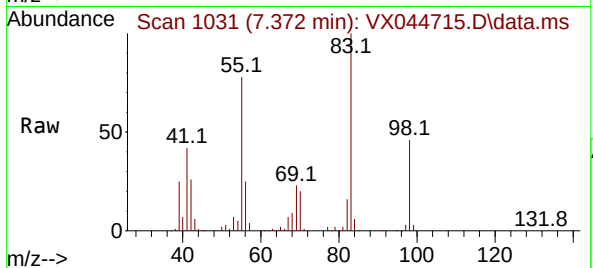
Tgt Ion: 83 Resp: 75204

Ion Ratio Lower Upper

83 100

55 77.3 60.5 90.7

98 46.5 39.0 58.4



#40

Benzene

Concen: 19.166 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX044715.D

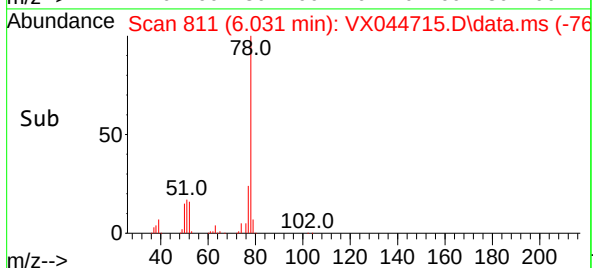
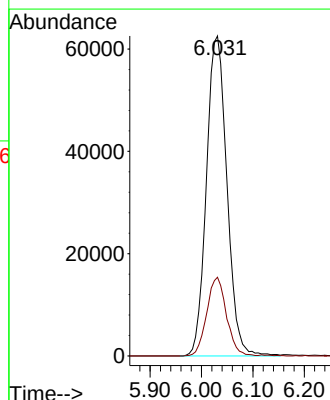
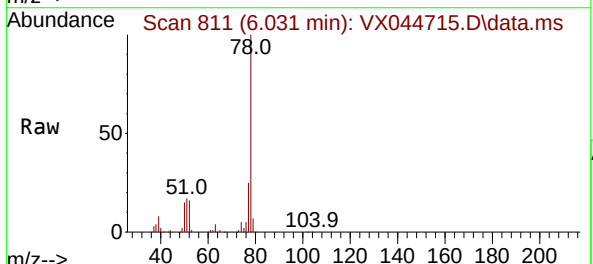
Acq: 27 Jan 2025 11:52

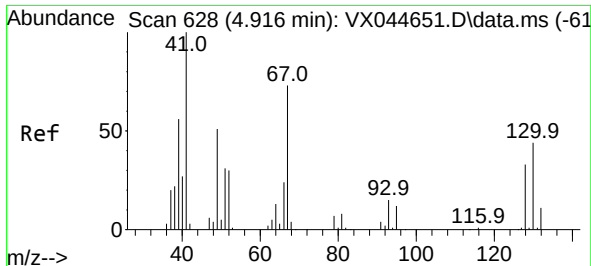
Tgt Ion: 78 Resp: 173290

Ion Ratio Lower Upper

78 100

77 24.6 18.7 28.1

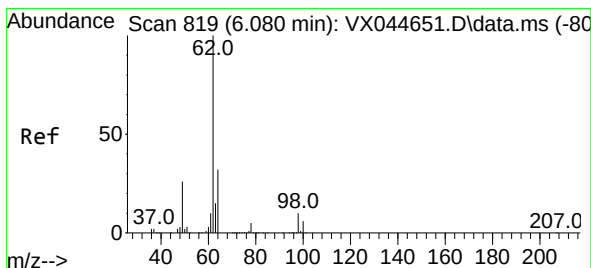
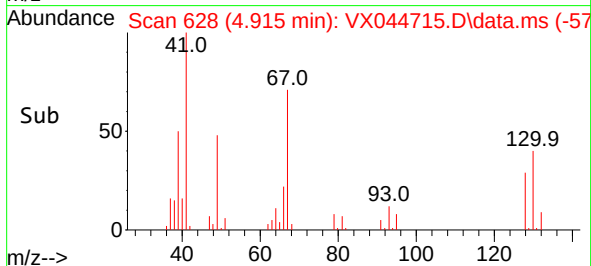
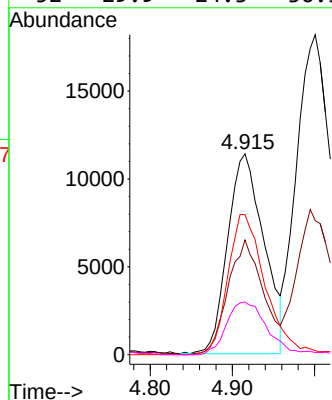
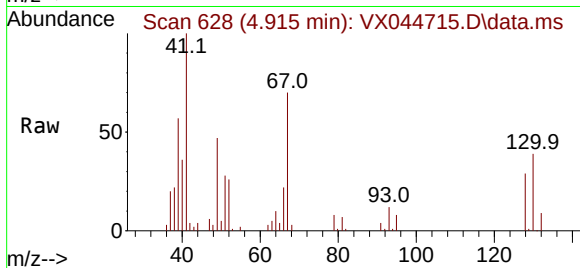




#41
Methacrylonitrile
Concen: 19.259 ug/l
RT: 4.915 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

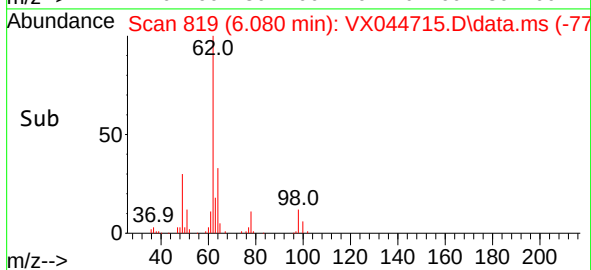
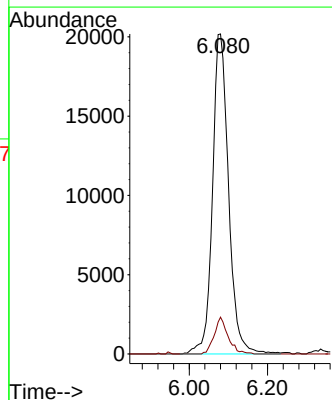
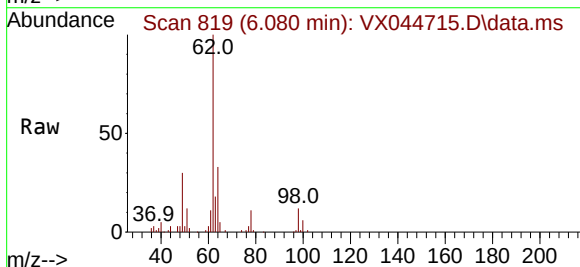
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

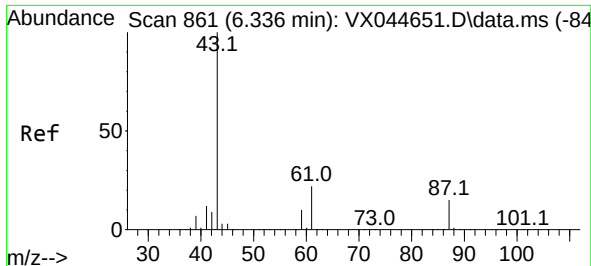
Tgt Ion: 41	Resp: 34872
Ion Ratio	Lower Upper
41 100	
39 55.7	44.4 66.6
67 72.3	60.6 90.8
52 29.9	24.3 36.5



#42
1,2-Dichloroethane
Concen: 17.395 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 62	Resp: 57405
Ion Ratio	Lower Upper
62 100	
98 9.9	0.0 19.4

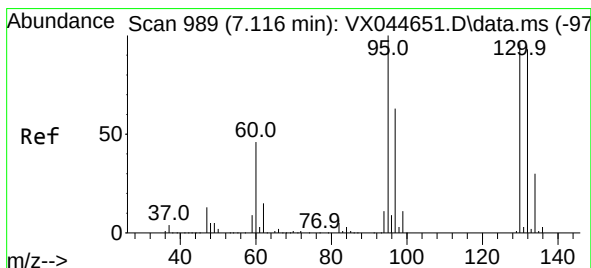
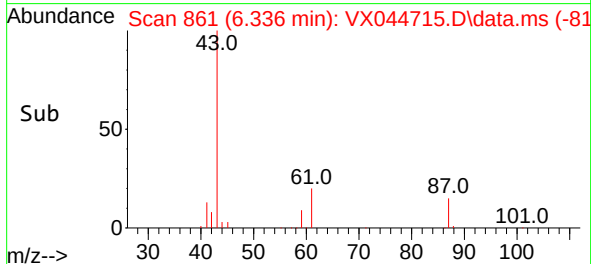
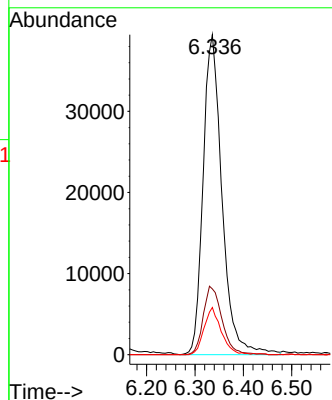
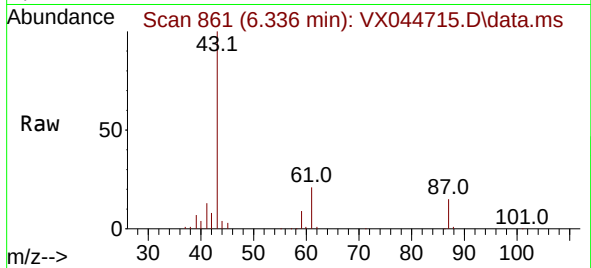




#43
Isopropyl Acetate
Concen: 18.779 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

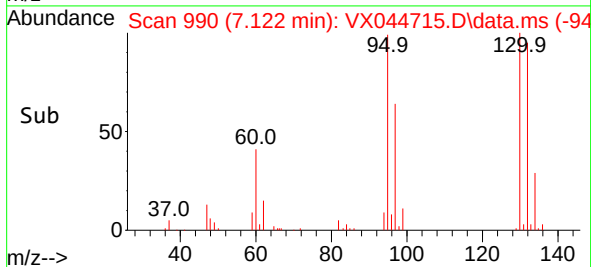
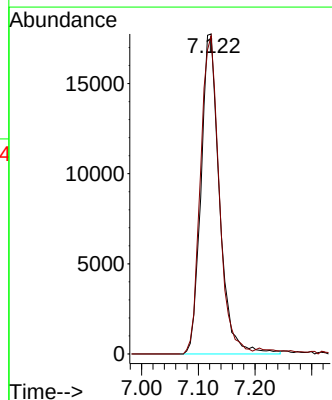
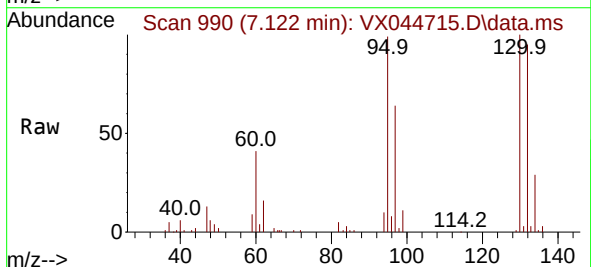
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

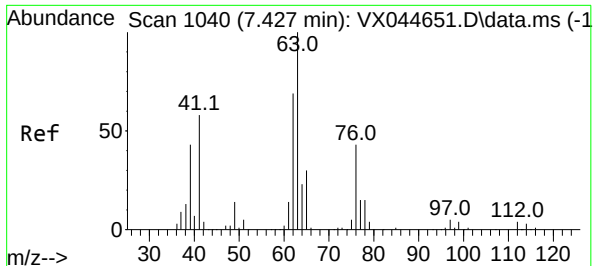
Tgt Ion: 43 Resp: 107342
Ion Ratio Lower Upper
43 100
61 21.3 16.6 24.8
87 13.3 11.0 16.6



#44
Trichloroethene
Concen: 18.461 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:130 Resp: 40128
Ion Ratio Lower Upper
130 100
95 99.4 0.0 208.2





#45

1,2-Dichloropropane

Concen: 19.056 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

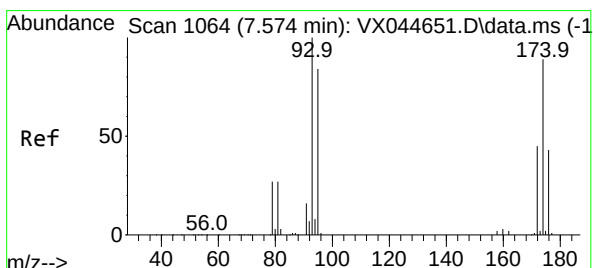
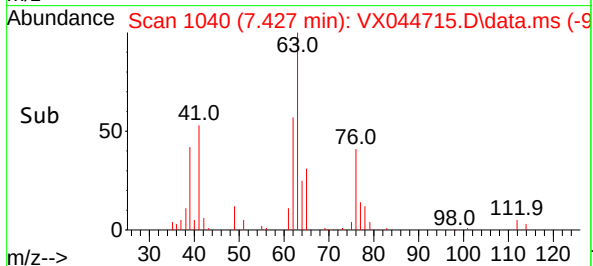
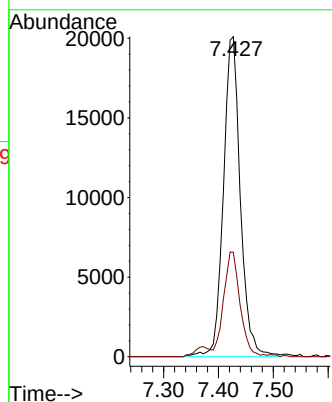
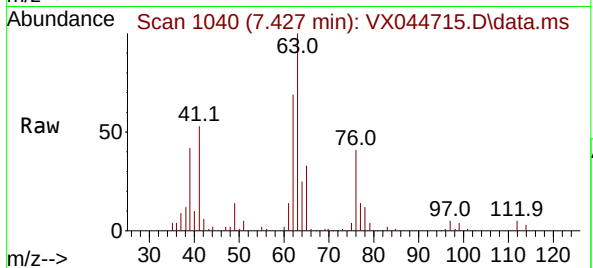
VX0127WBSD01

Tgt Ion: 63 Resp: 43371

Ion Ratio Lower Upper

63 100

65 32.6 24.2 36.2



#46

Dibromomethane

Concen: 17.427 ug/l

RT: 7.573 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

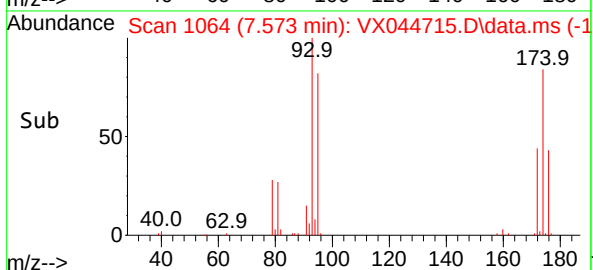
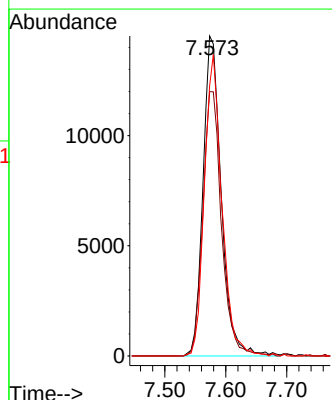
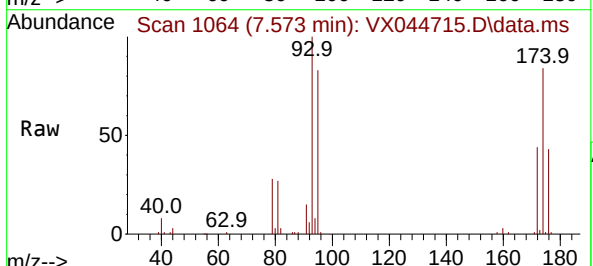
Tgt Ion: 93 Resp: 30193

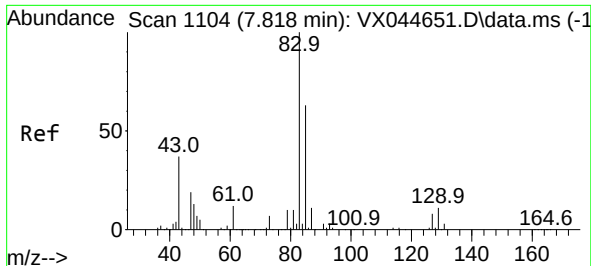
Ion Ratio Lower Upper

93 100

95 84.6 66.4 99.6

174 90.9 72.0 108.0

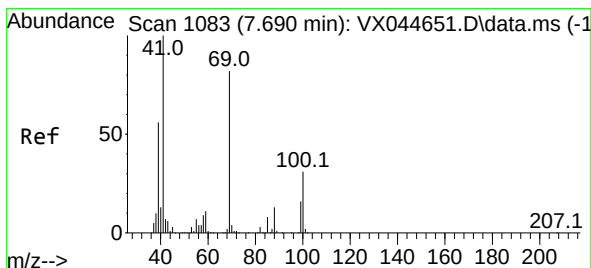
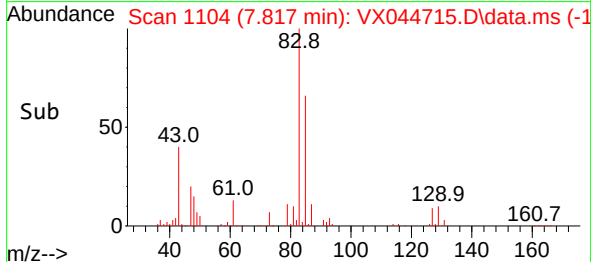
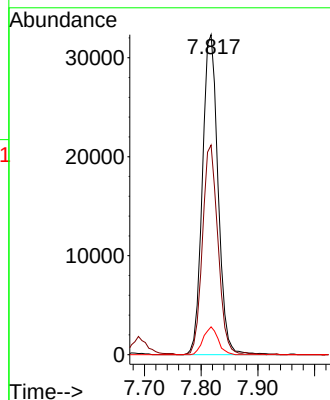
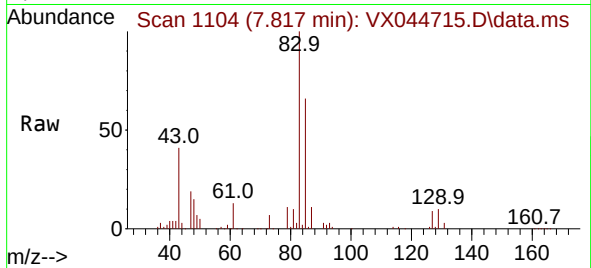




#47
Bromodichloromethane
Concen: 17.405 ug/l
RT: 7.817 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

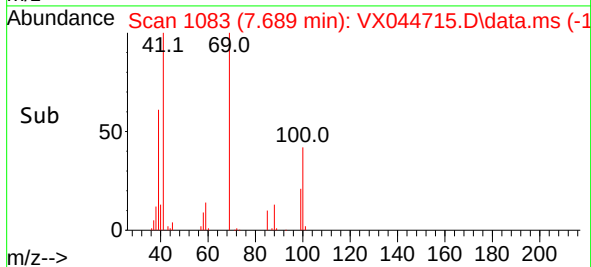
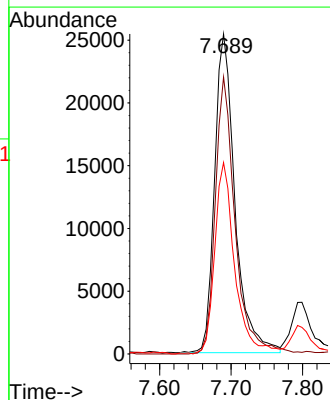
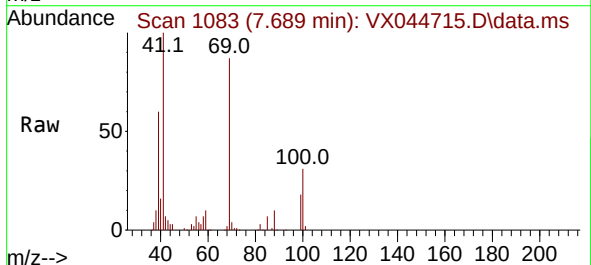
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

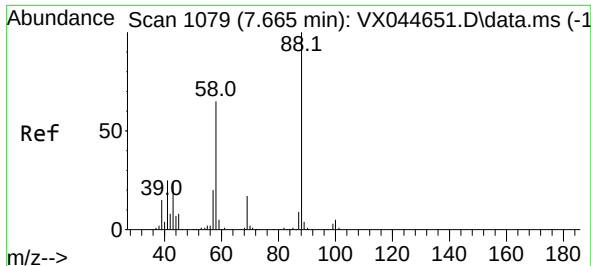
Tgt Ion: 83 Resp: 61842
Ion Ratio Lower Upper
83 100
85 65.5 50.1 75.1
127 8.7 6.5 9.7



#48
Methyl methacrylate
Concen: 18.924 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 41 Resp: 50212
Ion Ratio Lower Upper
41 100
69 84.8 66.8 100.2
39 59.1 47.4 71.0

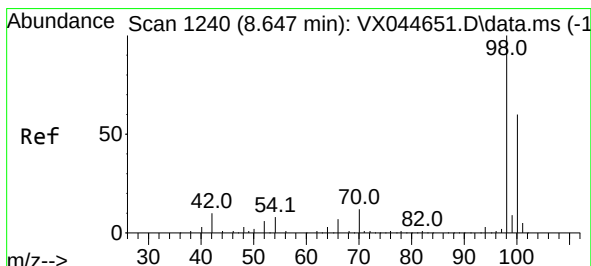
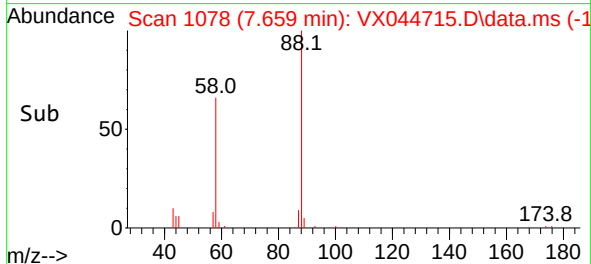
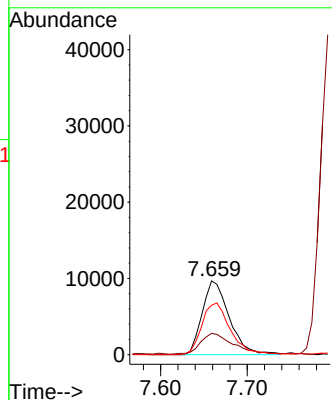
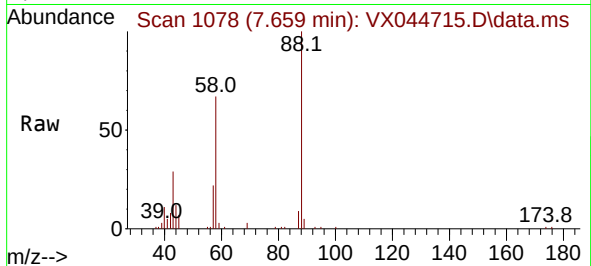




#49
1,4-Dioxane
Concen: 379.274 ug/l
RT: 7.659 min Scan# 1079
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

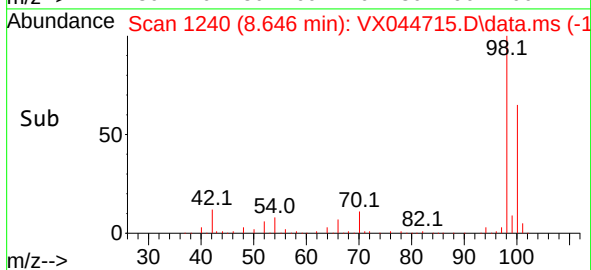
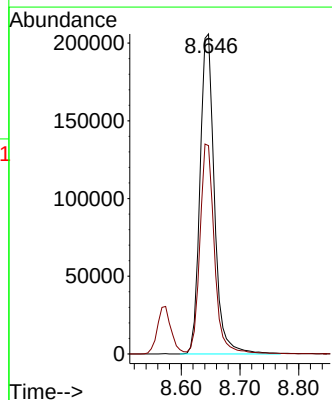
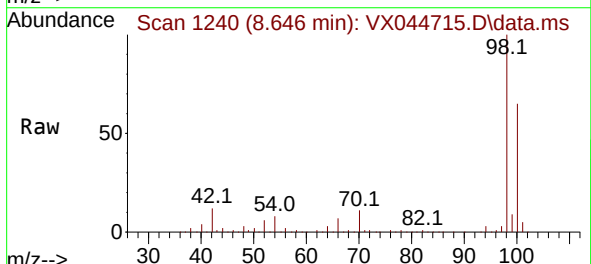
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

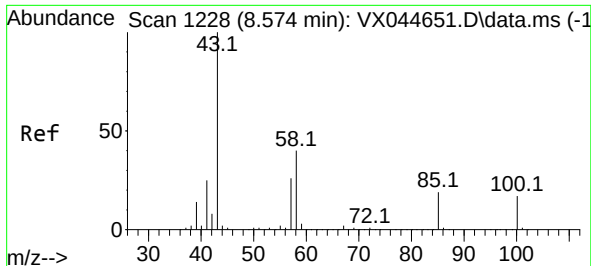
Tgt Ion	88	43	58
Resp:	20996		
Ion Ratio	100	34.5	74.0
Lower		27.0	55.8
Upper		40.4	83.8



#50
Toluene-d8
Concen: 48.069 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion	98	100
Resp:	351325	
Ion Ratio	100	65.9
Lower		53.2
Upper		79.8

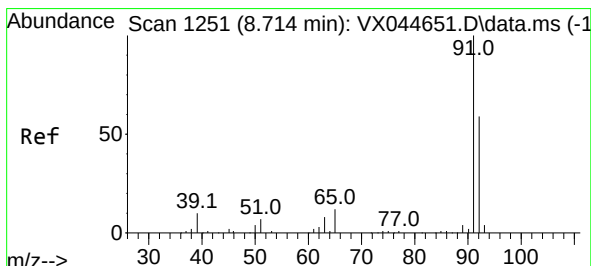
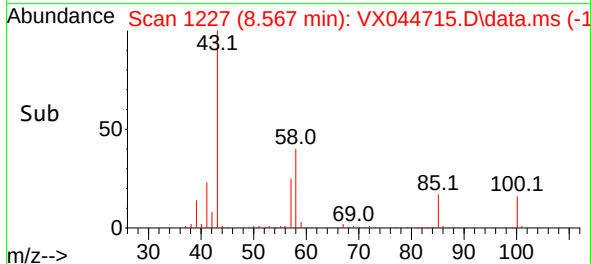
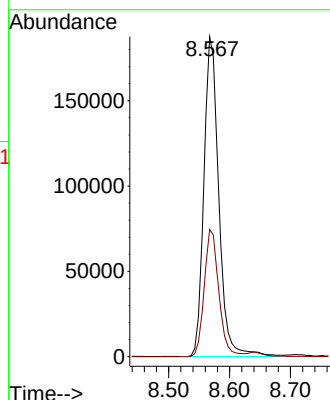
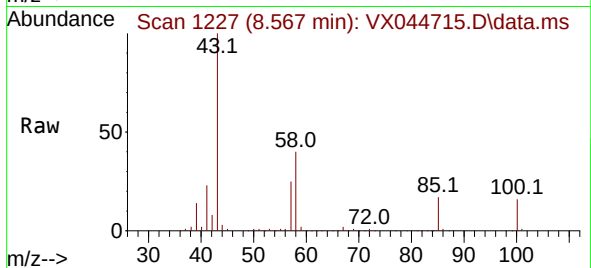




#51
4-Methyl-2-Pentanone
Concen: 101.217 ug/l
RT: 8.567 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

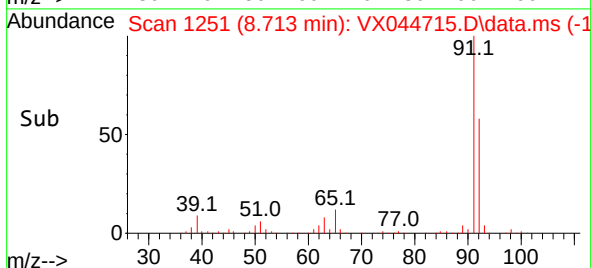
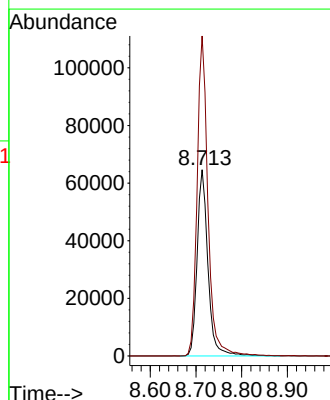
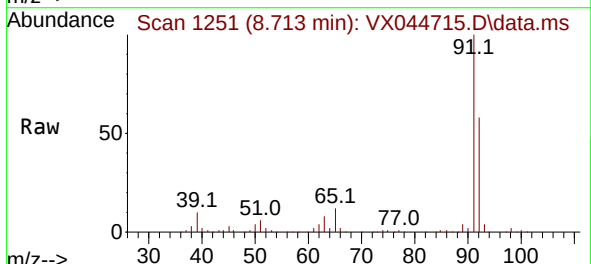
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

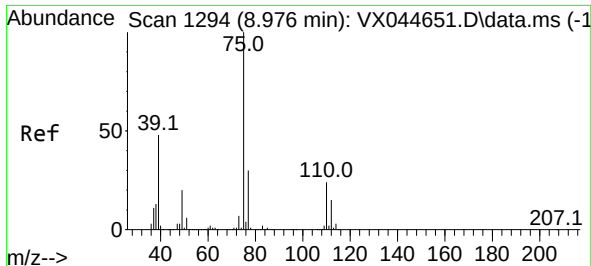
Tgt Ion: 43 Resp: 319737
Ion Ratio Lower Upper
43 100
58 38.9 31.9 47.9



#52
Toluene
Concen: 19.242 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 92 Resp: 106487
Ion Ratio Lower Upper
92 100
91 171.6 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 17.958 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

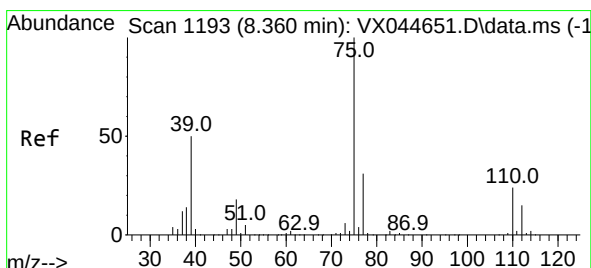
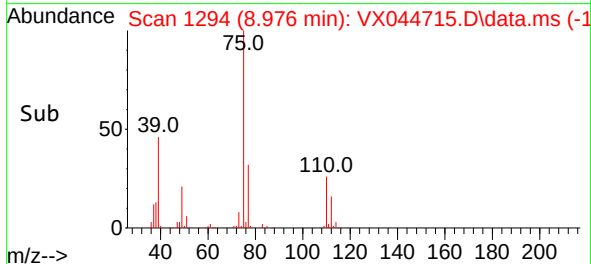
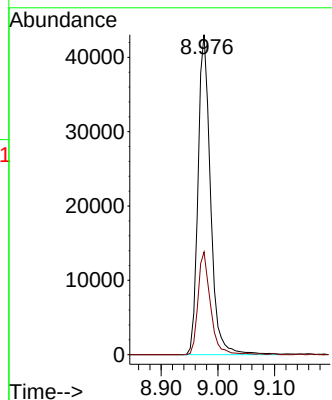
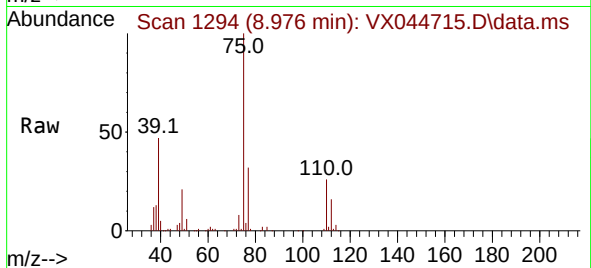
VX0127WBSD01

Tgt Ion: 75 Resp: 65922

Ion Ratio Lower Upper

75 100

77 32.1 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 18.406 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

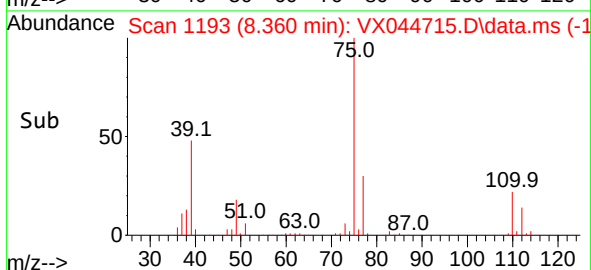
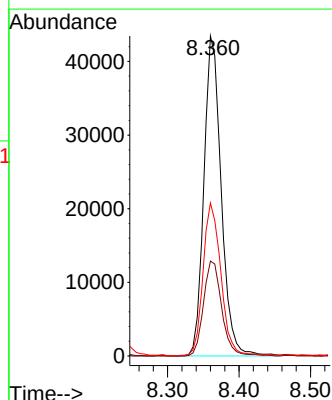
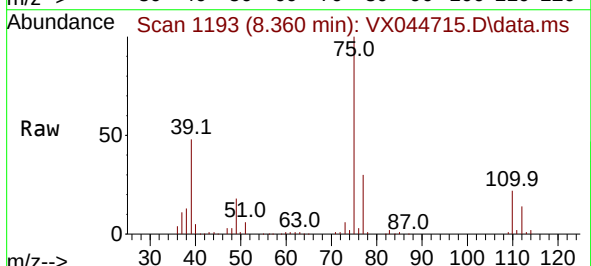
Tgt Ion: 75 Resp: 73264

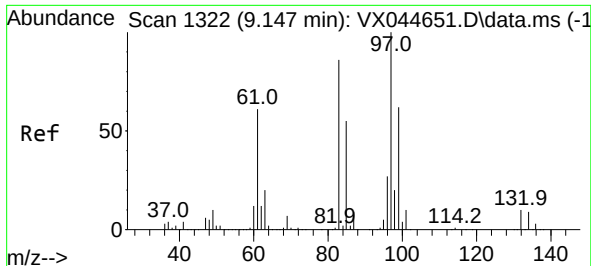
Ion Ratio Lower Upper

75 100

77 29.7 25.1 37.7

39 47.6 40.3 60.5

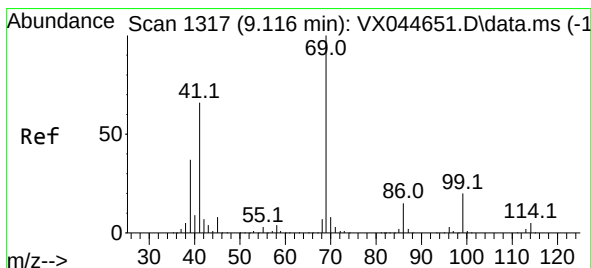
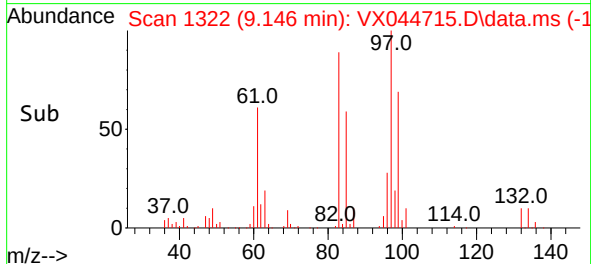
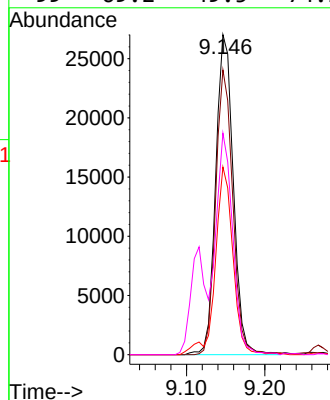
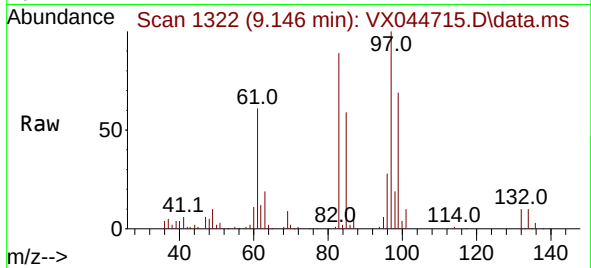




#55
 1,1,2-Trichloroethane
 Concen: 18.940 ug/l
 RT: 9.146 min Scan# 1322
 Delta R.T. -0.000 min
 Lab File: VX044715.D
 Acq: 27 Jan 2025 11:52

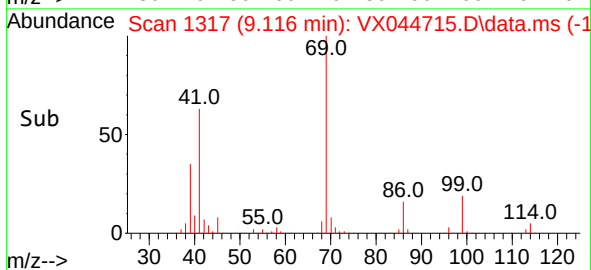
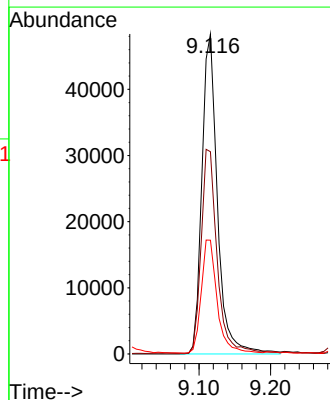
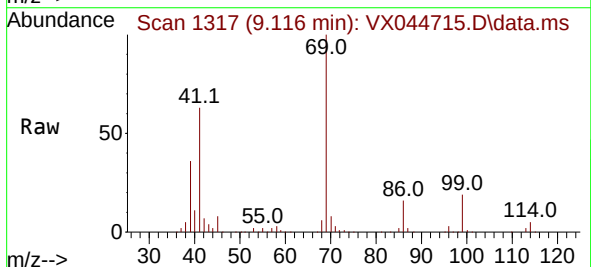
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBSD01

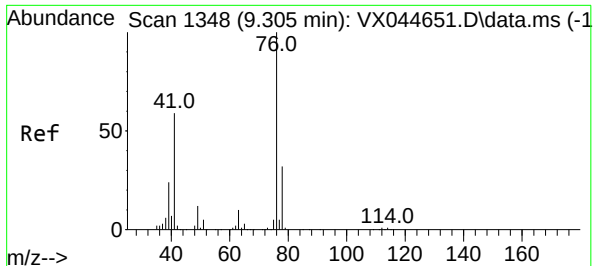
Tgt Ion:	97	Resp:	42407
Ion	Ratio	Lower	Upper
97	100		
83	89.0	68.8	103.2
85	58.7	43.7	65.5
99	69.2	49.5	74.3



#56
 Ethyl methacrylate
 Concen: 18.998 ug/l
 RT: 9.116 min Scan# 1317
 Delta R.T. -0.000 min
 Lab File: VX044715.D
 Acq: 27 Jan 2025 11:52

Tgt Ion:	69	Resp:	73137
Ion	Ratio	Lower	Upper
69	100		
41	65.7	53.2	79.8
39	35.9	30.2	45.2





#57

1,3-Dichloropropane

Concen: 19.201 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

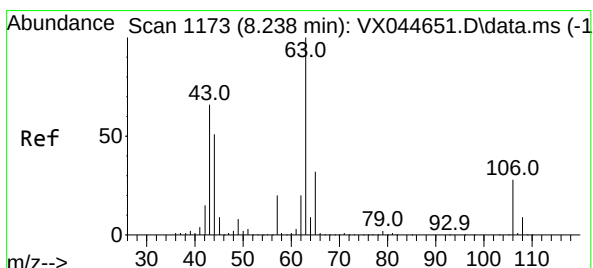
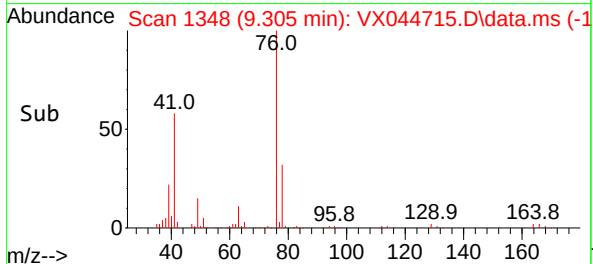
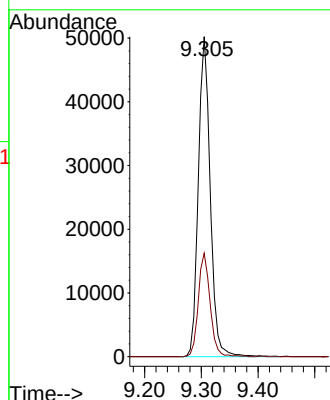
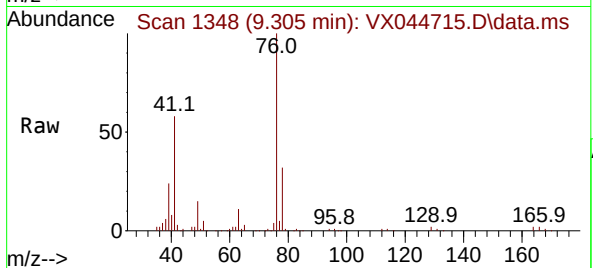
VX0127WBSD01

Tgt Ion: 76 Resp: 73209

Ion Ratio Lower Upper

76 100

78 32.0 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 83.152 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX044715.D

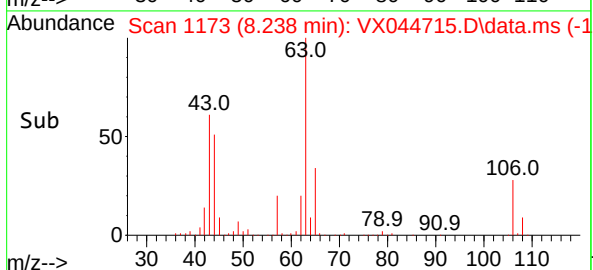
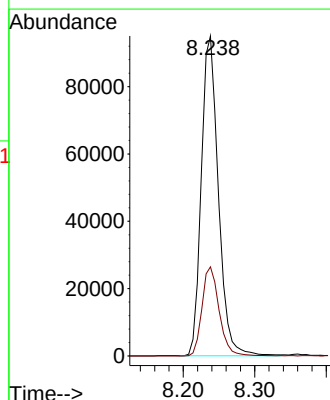
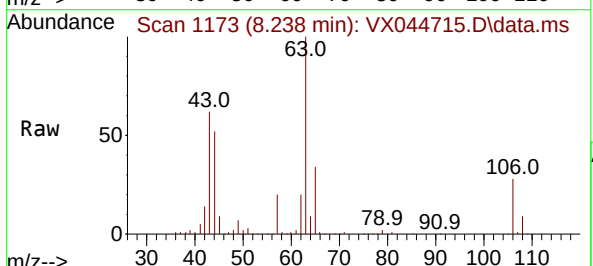
Acq: 27 Jan 2025 11:52

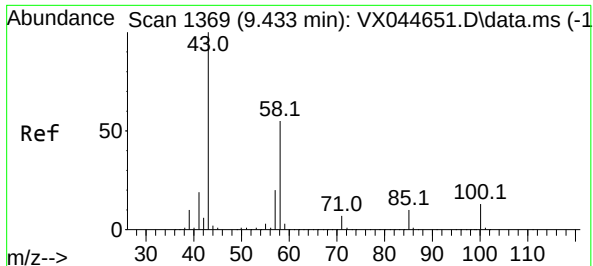
Tgt Ion: 63 Resp: 157160

Ion Ratio Lower Upper

63 100

106 28.0 23.0 34.6

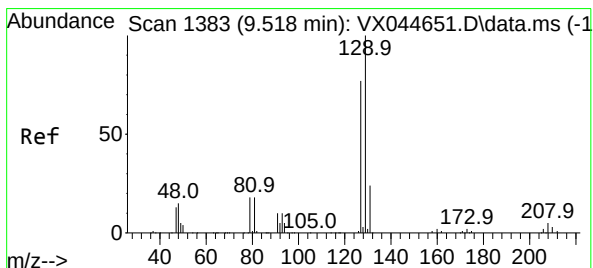
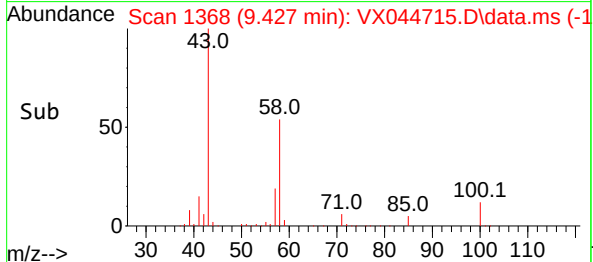
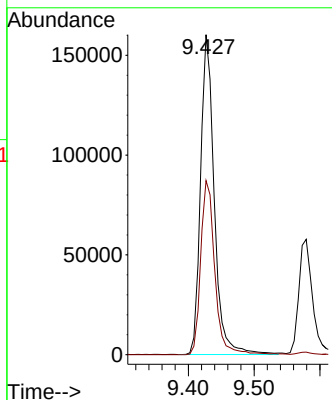
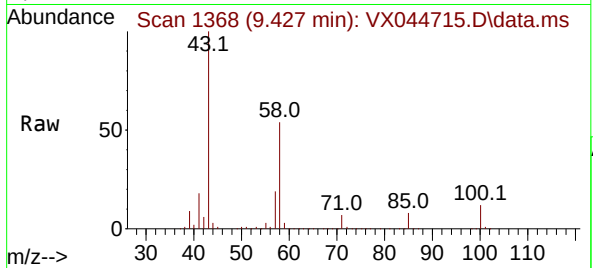




#59
2-Hexanone
Concen: 99.695 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

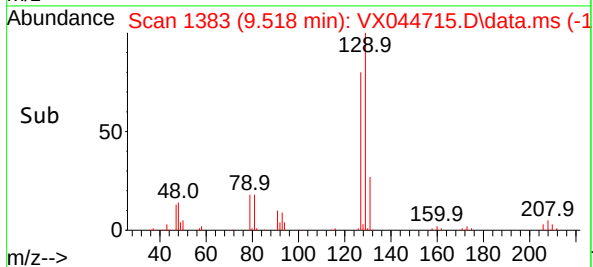
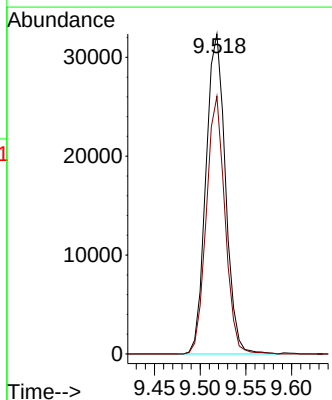
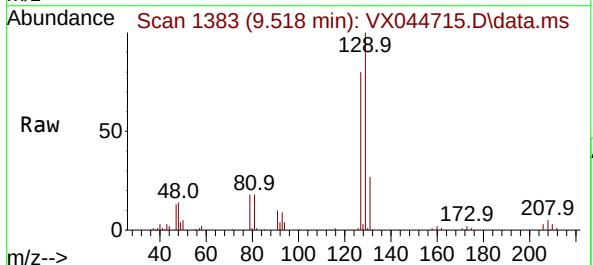
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

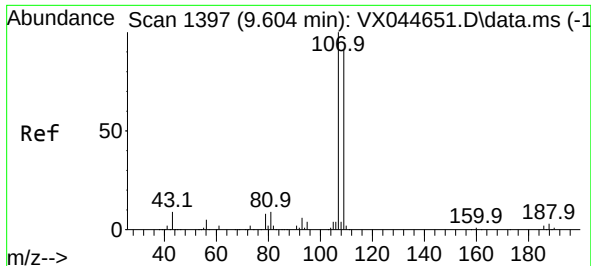
Tgt Ion: 43 Resp: 231694
Ion Ratio Lower Upper
43 100
58 56.2 27.8 83.3



#60
Dibromochloromethane
Concen: 18.246 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 129 Resp: 47950
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5

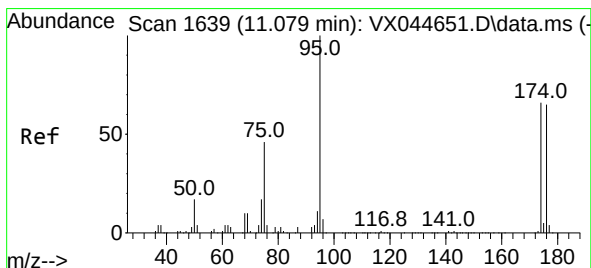
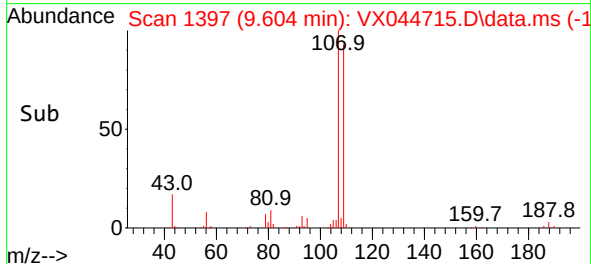
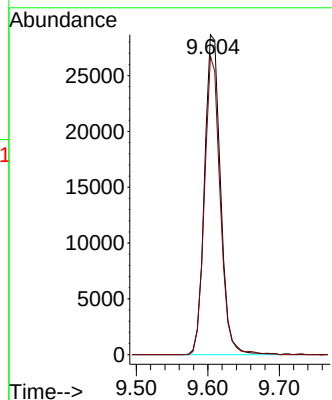
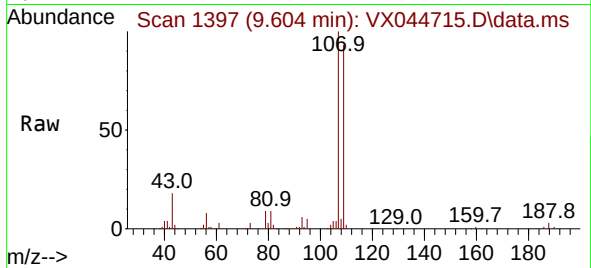




#61
1,2-Dibromoethane
Concen: 18.938 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

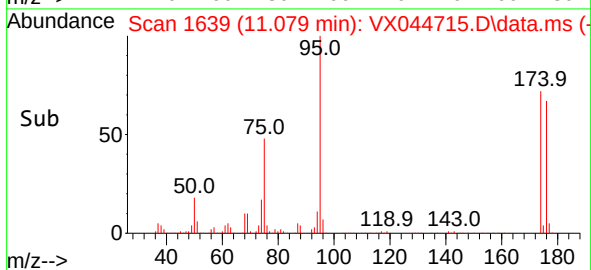
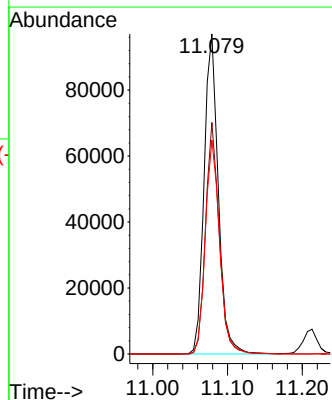
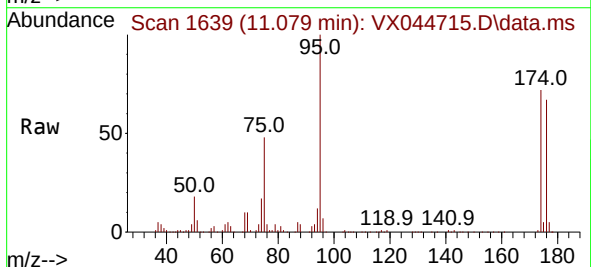
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

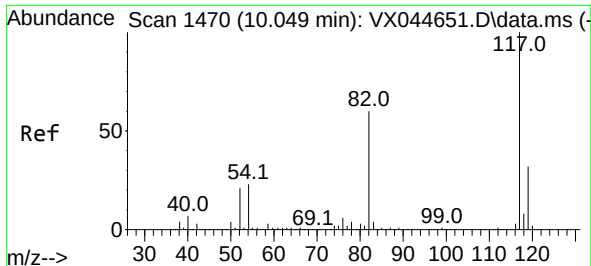
Tgt Ion:107 Resp: 44437
Ion Ratio Lower Upper
107 100
109 91.8 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 46.926 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 95 Resp: 127855
Ion Ratio Lower Upper
95 100
174 69.9 0.0 133.0
176 67.3 0.0 129.4

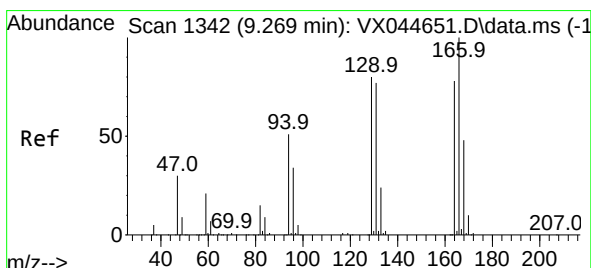
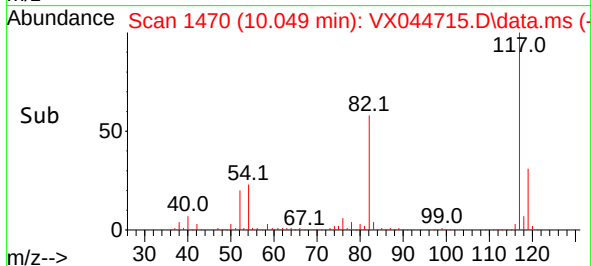
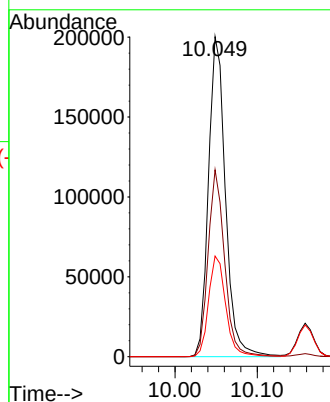
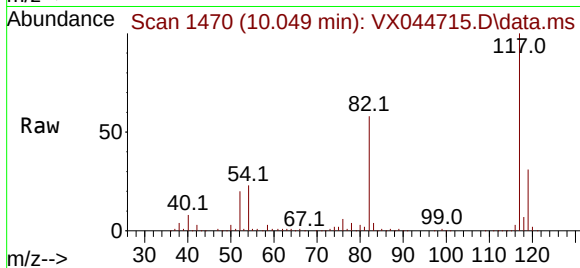




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

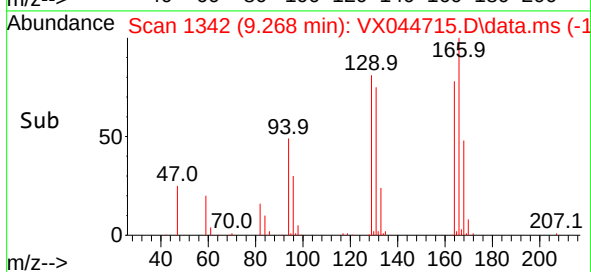
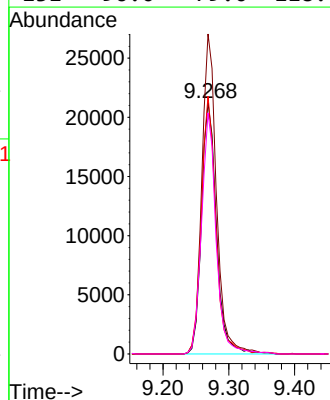
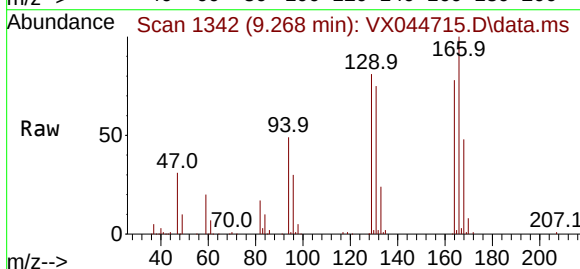
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

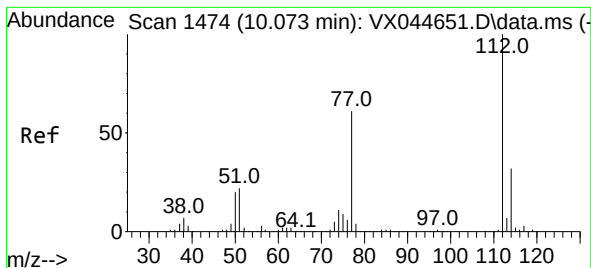
Tgt Ion:117 Resp: 287428
Ion Ratio Lower Upper
117 100
82 58.4 47.6 71.4
119 31.4 25.4 38.2



#64
Tetrachloroethene
Concen: 18.672 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:164 Resp: 33701
Ion Ratio Lower Upper
164 100
166 127.4 102.0 153.0
129 102.6 81.1 121.7
131 96.0 79.0 118.6

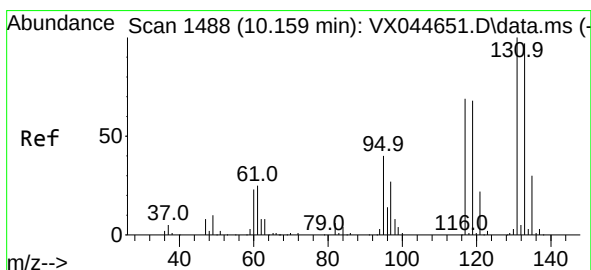
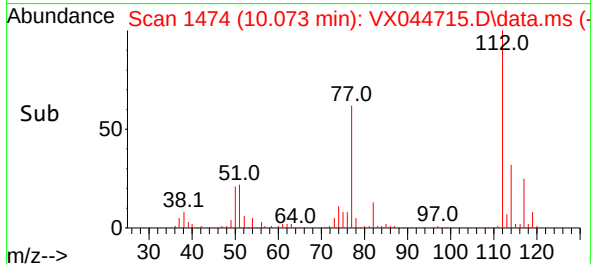
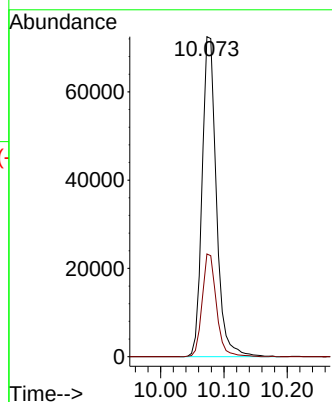
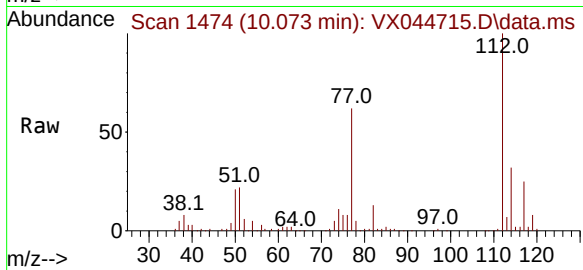




#65
Chlorobenzene
Concen: 18.702 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

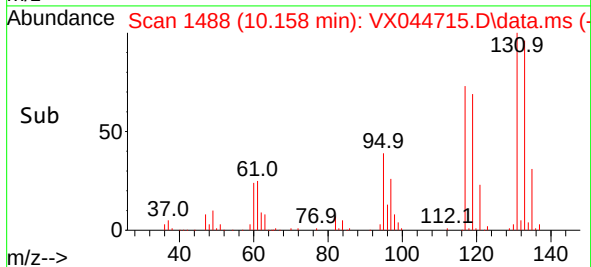
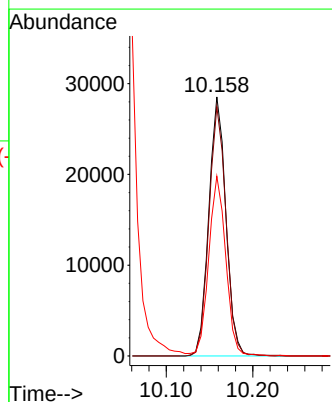
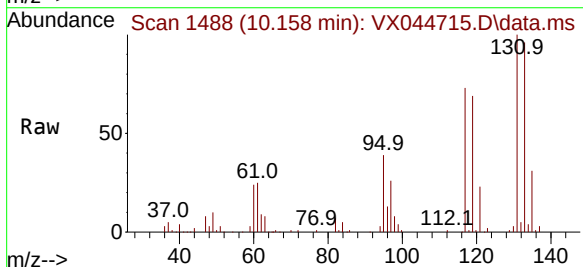
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

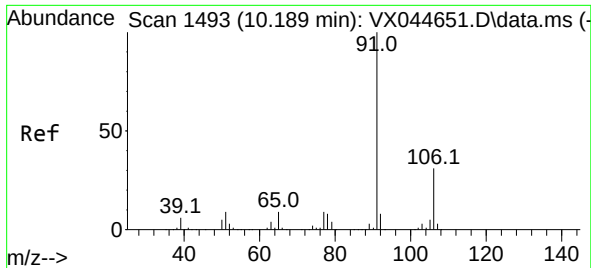
Tgt Ion:112 Resp: 114176
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 17.674 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:131 Resp: 39214
Ion Ratio Lower Upper
131 100
133 96.3 47.8 143.3
119 69.4 33.4 100.2

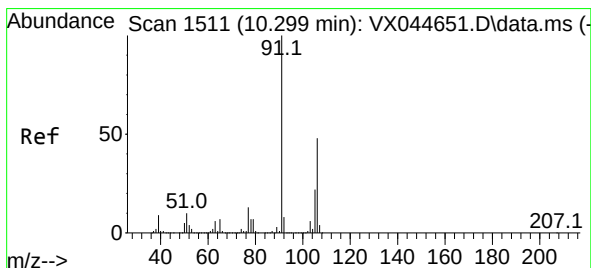
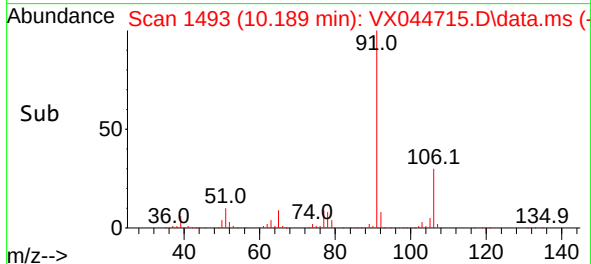
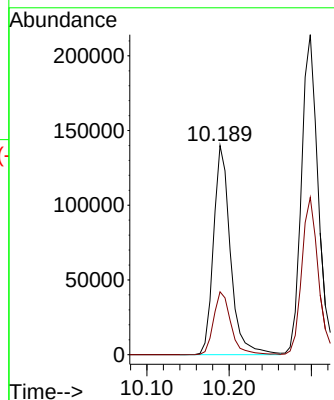
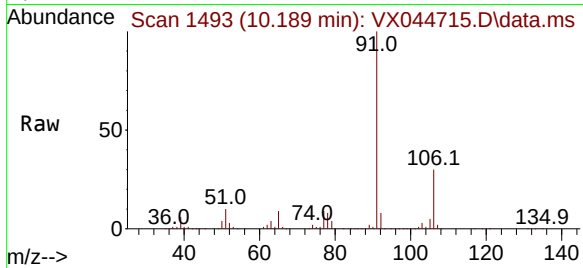




#67
Ethyl Benzene
Concen: 18.765 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

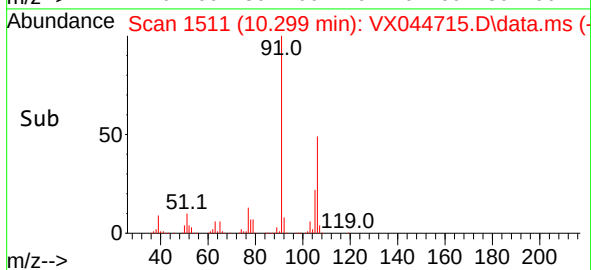
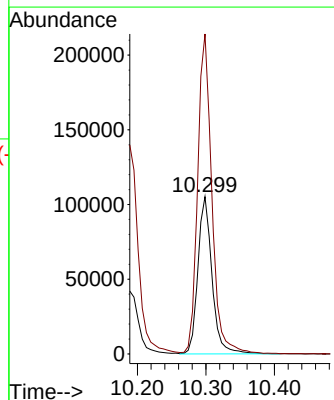
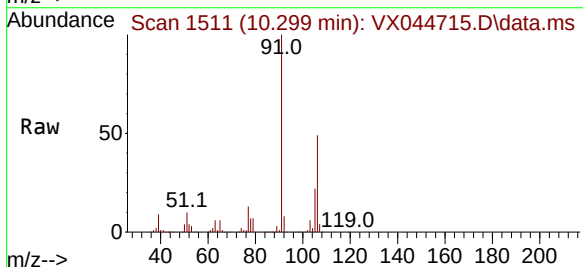
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

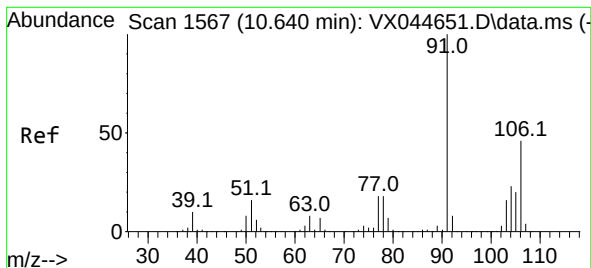
Tgt Ion: 91 Resp: 199900
Ion Ratio Lower Upper
91 100
106 30.1 25.0 37.6



#68
m/p-Xylenes
Concen: 38.135 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 106 Resp: 150751
Ion Ratio Lower Upper
106 100
91 204.8 166.4 249.6





#69

o-Xylene

Concen: 18.921 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

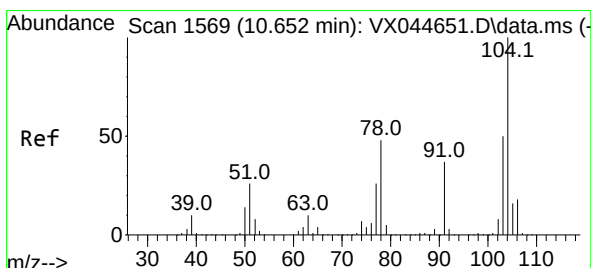
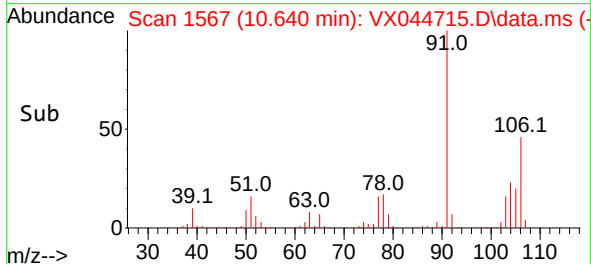
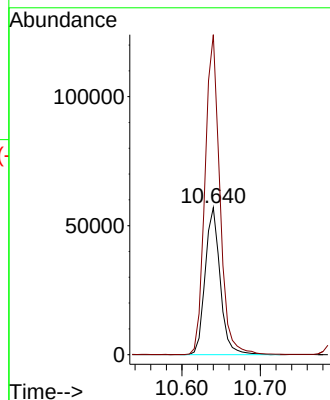
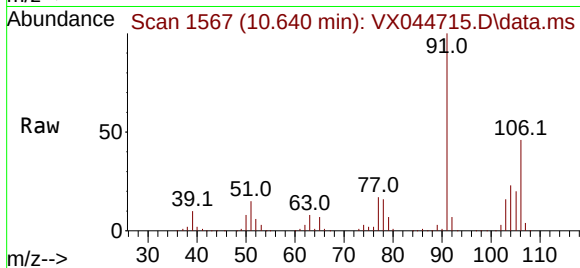
VX0127WBSD01

Tgt Ion:106 Resp: 75639

Ion Ratio Lower Upper

106 100

91 216.1 108.7 326.3



#70

Styrene

Concen: 19.600 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

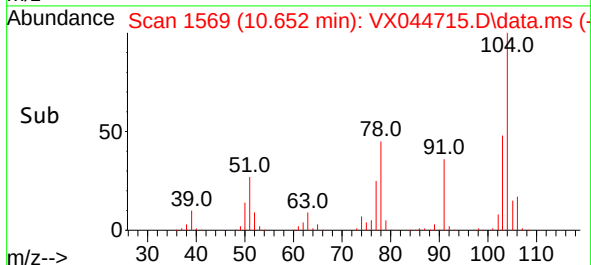
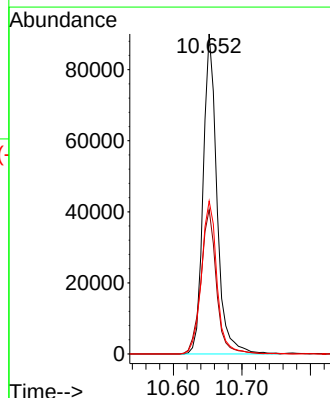
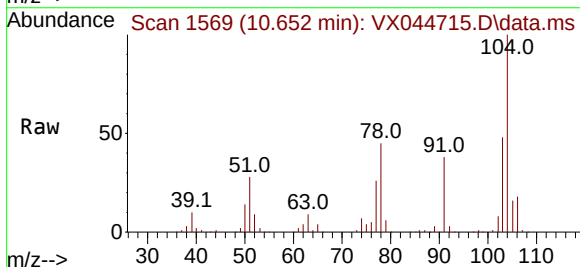
Tgt Ion:104 Resp: 126504

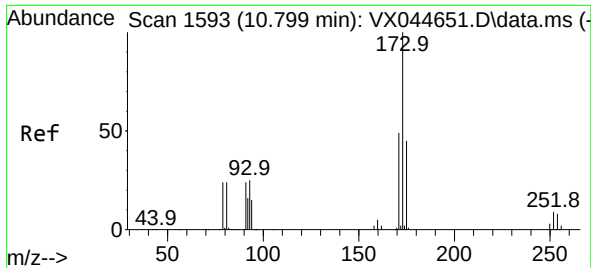
Ion Ratio Lower Upper

104 100

78 50.2 43.0 64.6

103 53.7 43.4 65.2

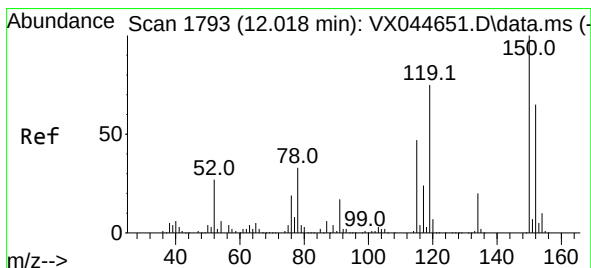
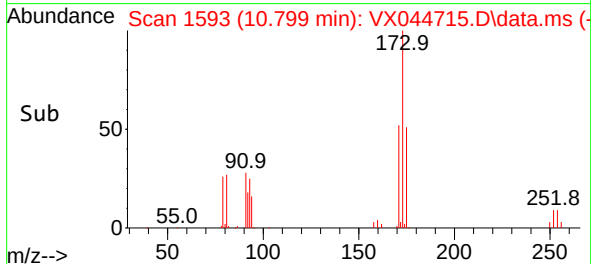
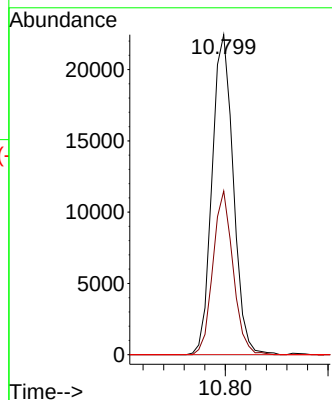
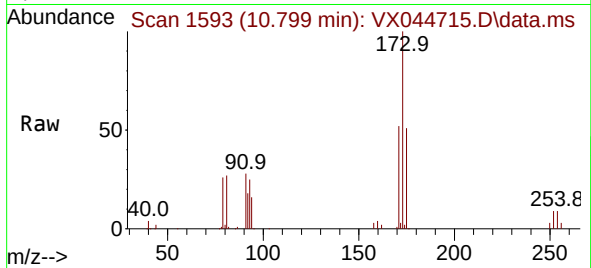




#71
Bromoform
Concen: 17.798 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

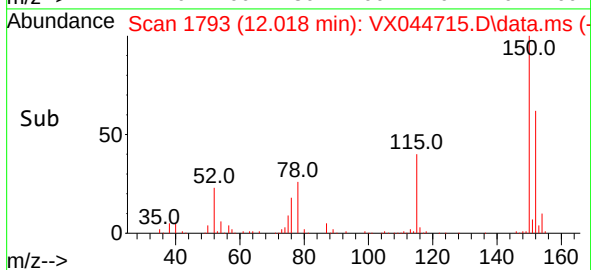
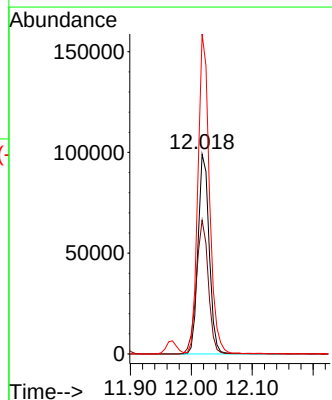
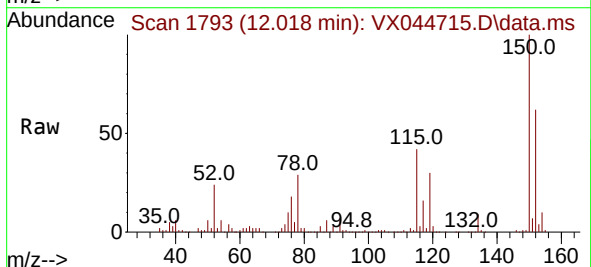
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

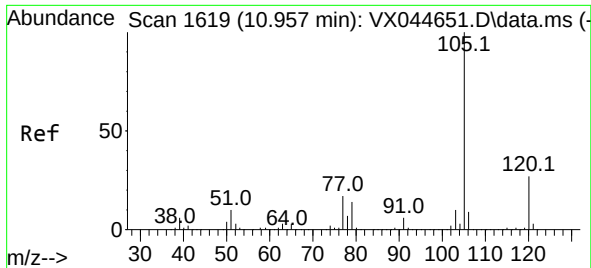
Tgt Ion:173 Resp: 32141
Ion Ratio Lower Upper
173 100
175 48.5 23.6 70.8
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:152 Resp: 125692
Ion Ratio Lower Upper
152 100
115 72.2 43.8 131.4
150 164.2 0.0 347.8

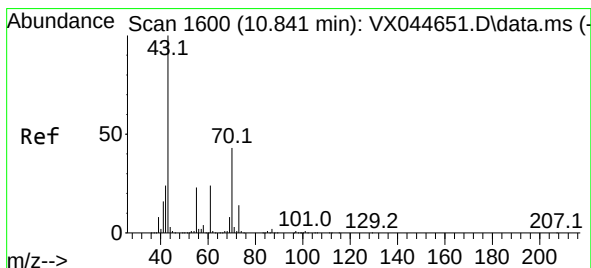
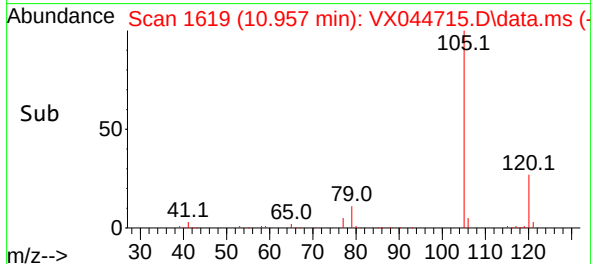
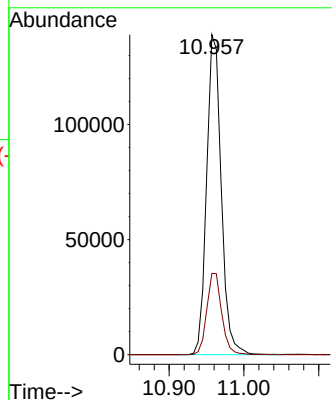
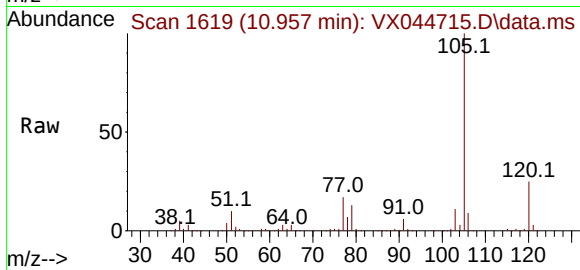




#73
Isopropylbenzene
Concen: 18.433 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

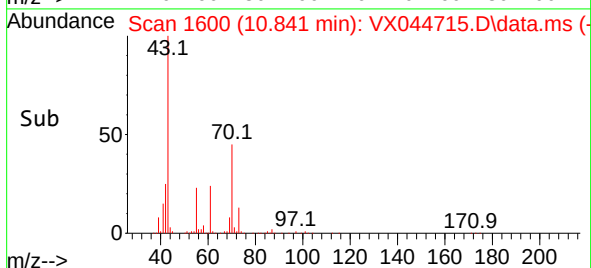
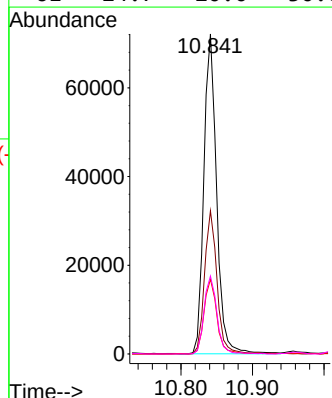
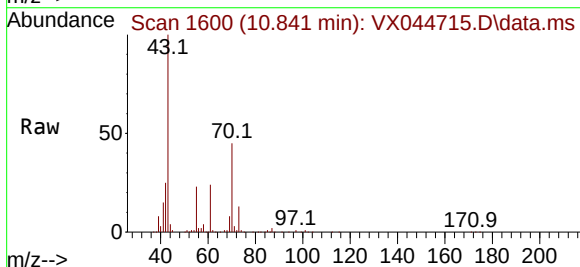
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

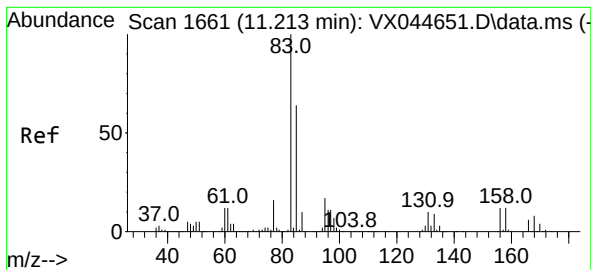
Tgt Ion:105 Resp: 189275
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.6



#74
N-ethyl acetate
Concen: 17.648 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 43 Resp: 89318
Ion Ratio Lower Upper
43 100
70 44.1 35.2 52.8
55 23.5 19.0 28.4
61 24.7 20.0 30.0

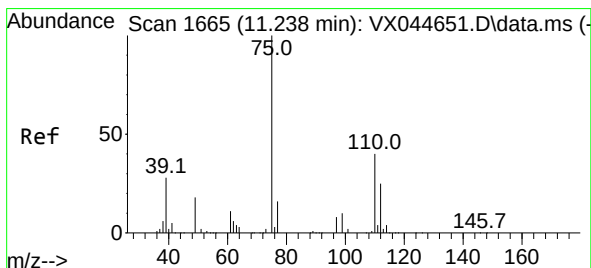
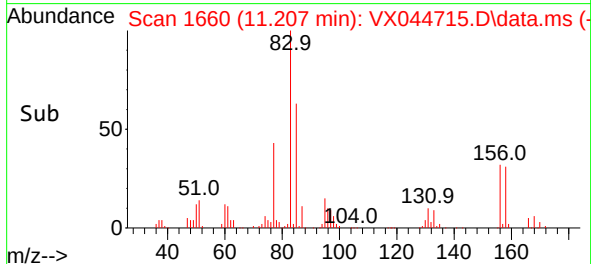
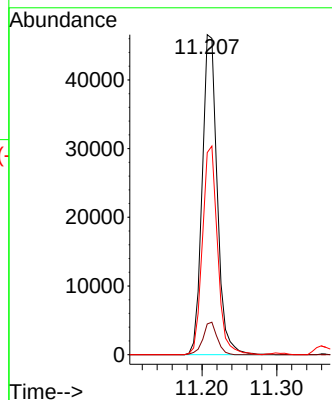
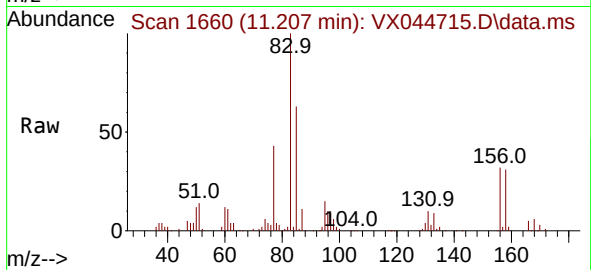




#75
1,1,2,2-Tetrachloroethane
Concen: 18.294 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

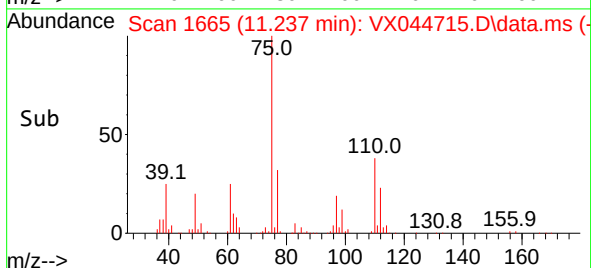
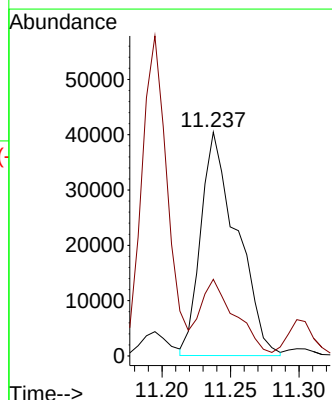
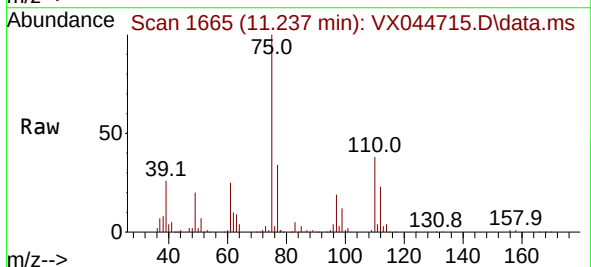
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

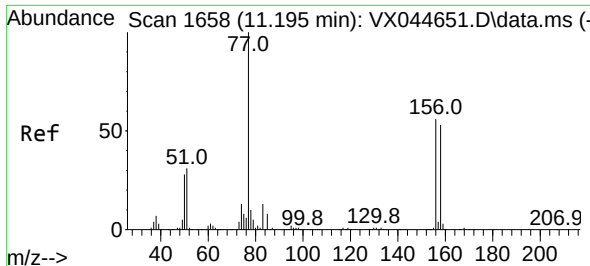
Tgt Ion: 83 Resp: 64877
Ion Ratio Lower Upper
83 100
131 9.6 5.0 14.9
85 65.7 32.0 96.2



#76
1,2,3-Trichloropropane
Concen: 24.339 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 75 Resp: 74243
Ion Ratio Lower Upper
75 100
77 33.4 23.4 70.2

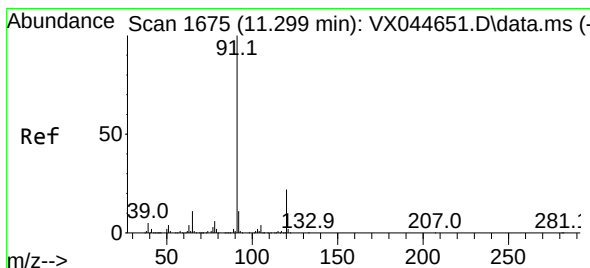
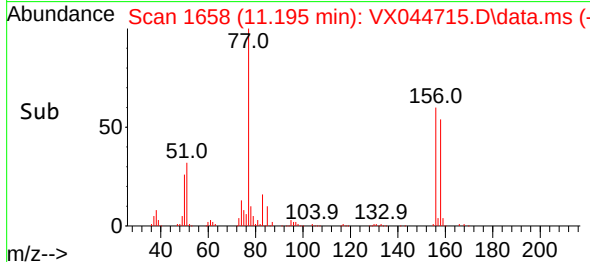
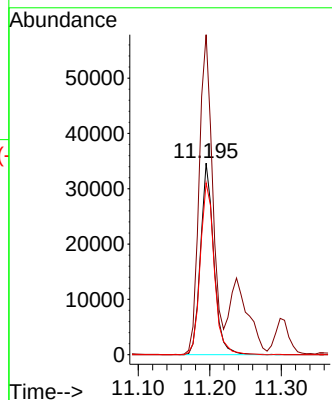
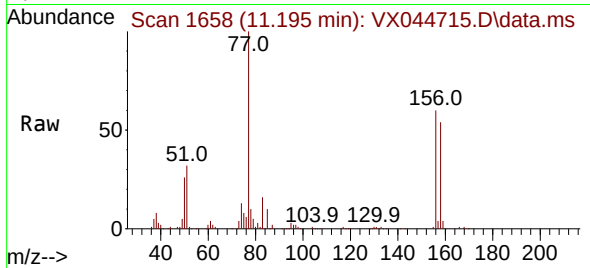




#77
Bromobenzene
Concen: 18.538 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

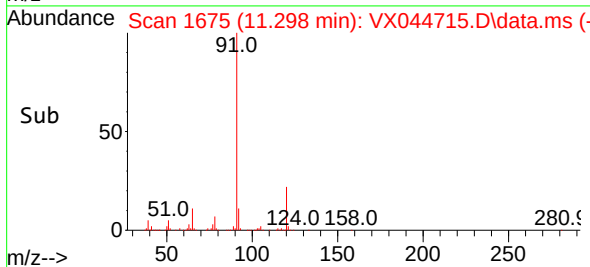
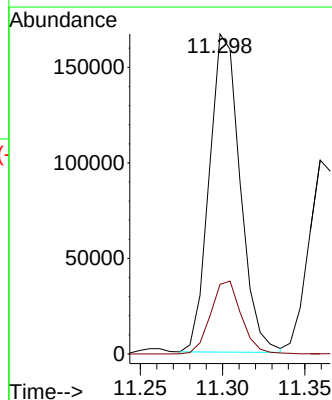
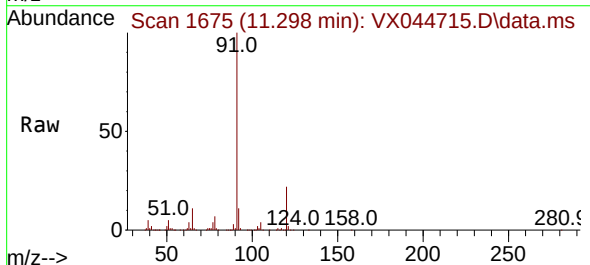
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

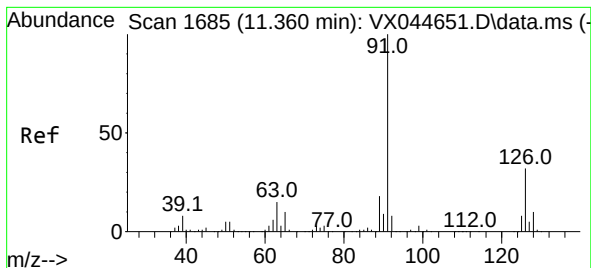
Tgt Ion:156 Resp: 44492
Ion Ratio Lower Upper
156 100
77 169.8 90.3 271.0
158 94.8 48.4 145.3



#78
n-propylbenzene
Concen: 19.229 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 91 Resp: 217748
Ion Ratio Lower Upper
91 100
120 22.8 11.4 34.1

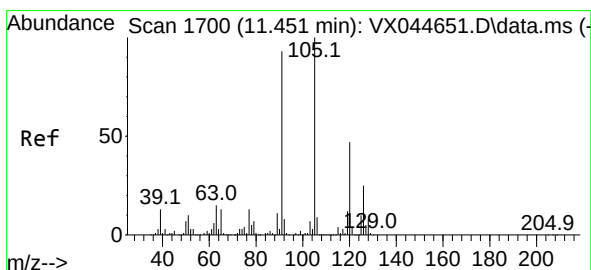
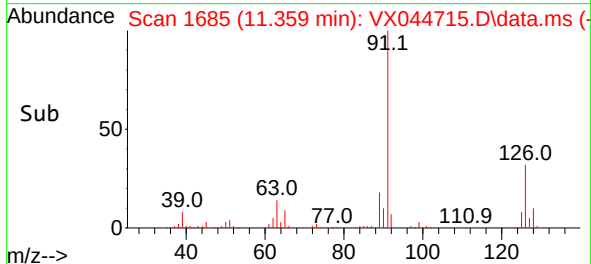
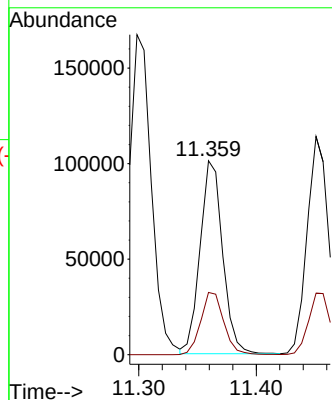
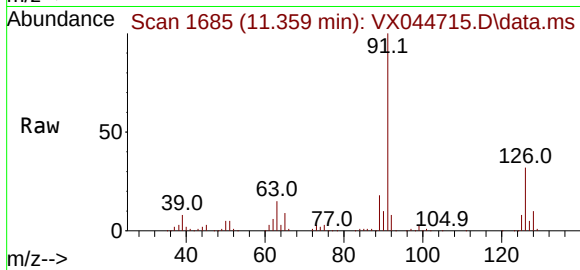




#79
2-Chlorotoluene
Concen: 18.432 ug/l
RT: 11.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

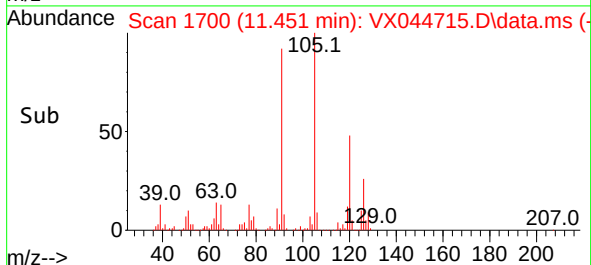
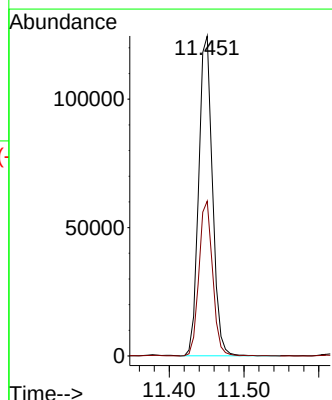
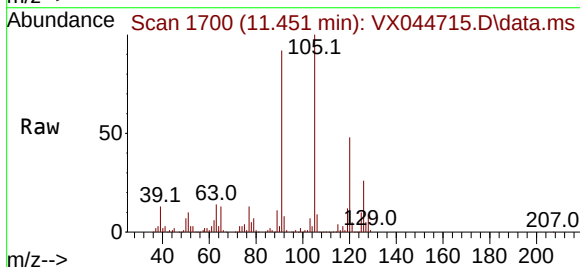
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

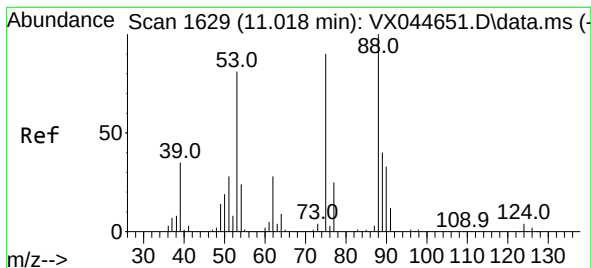
Tgt Ion: 91 Resp: 134830
Ion Ratio Lower Upper
91 100
126 33.0 16.2 48.5



#80
1,3,5-Trimethylbenzene
Concen: 19.003 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 105 Resp: 158844
Ion Ratio Lower Upper
105 100
120 48.3 23.7 71.1

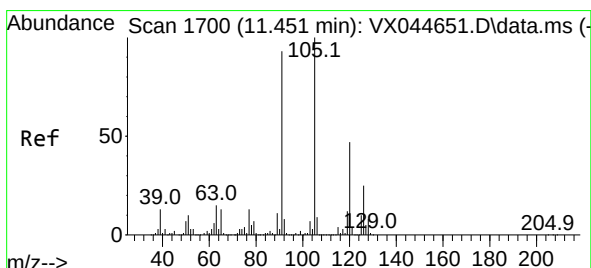
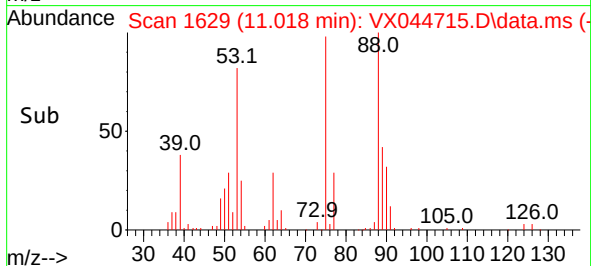
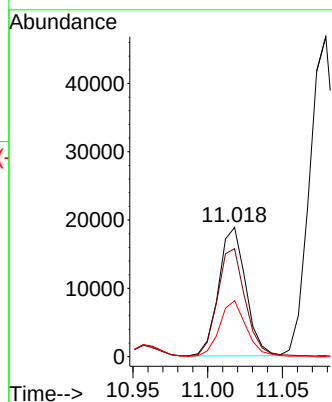
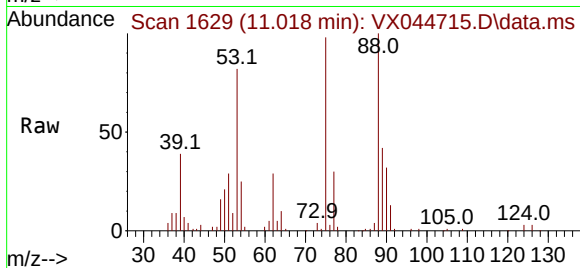




#81
trans-1,4-Dichloro-2-butene
Concen: 17.776 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

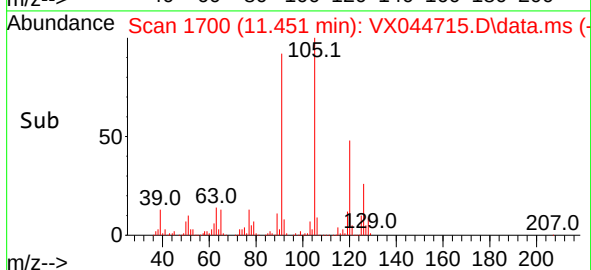
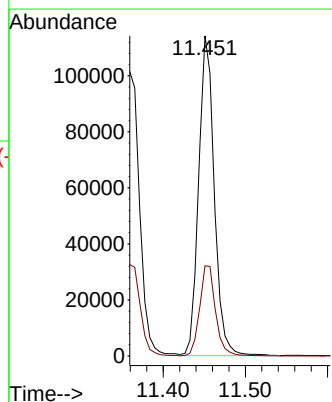
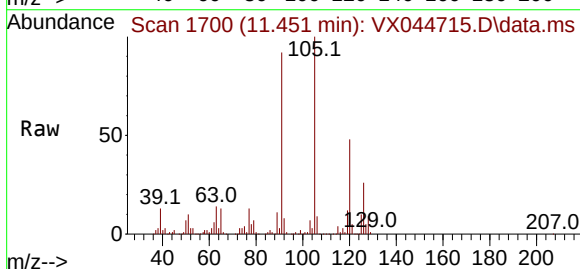
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

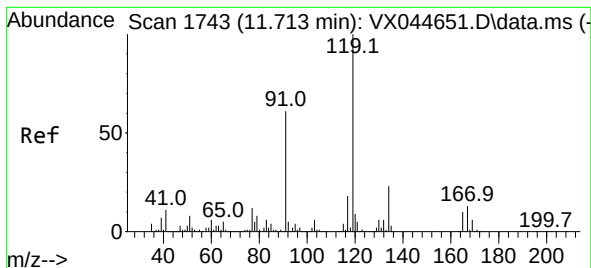
Tgt Ion: 75 Resp: 23711
Ion Ratio Lower Upper
75 100
53 86.3 74.3 111.5
89 43.5 37.4 56.0



#82
4-Chlorotoluene
Concen: 18.780 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 91 Resp: 150487
Ion Ratio Lower Upper
91 100
126 28.8 13.9 41.7





#83

tert-Butylbenzene

Concen: 18.334 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044715.D

Acq: 27 Jan 2025 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0127WBSD01

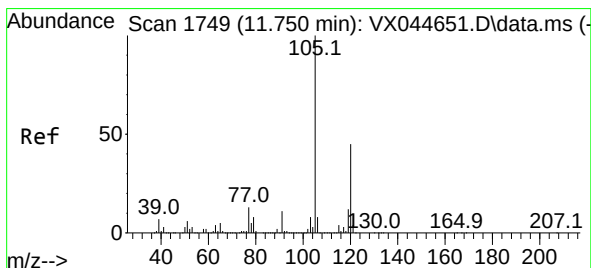
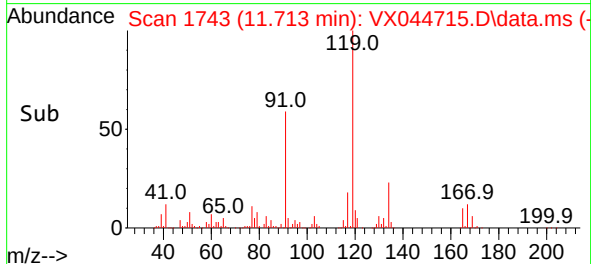
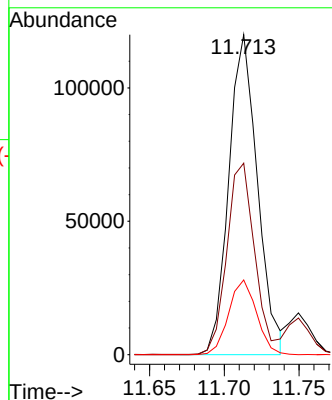
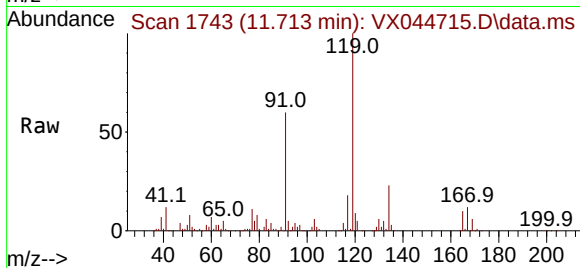
Tgt Ion:119 Resp: 160244

Ion Ratio Lower Upper

119 100

91 58.6 30.0 90.0

134 22.7 11.2 33.5



#84

1,2,4-Trimethylbenzene

Concen: 18.677 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044715.D

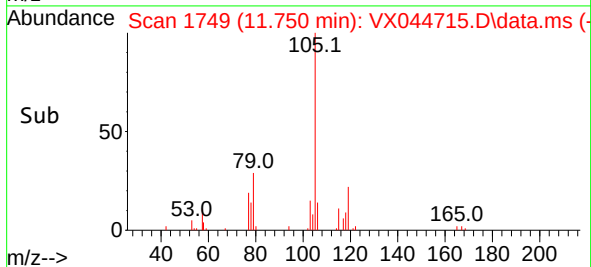
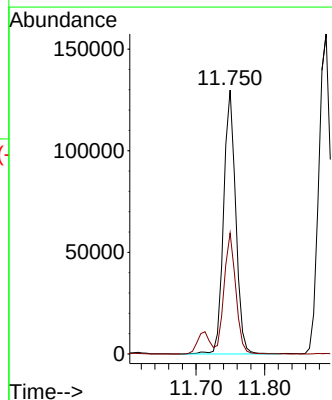
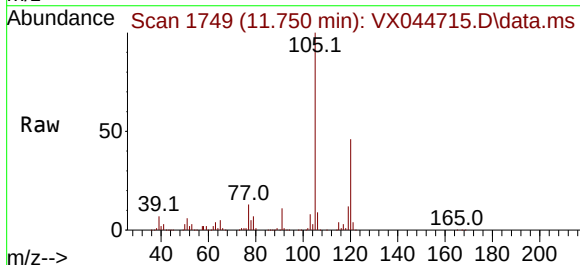
Acq: 27 Jan 2025 11:52

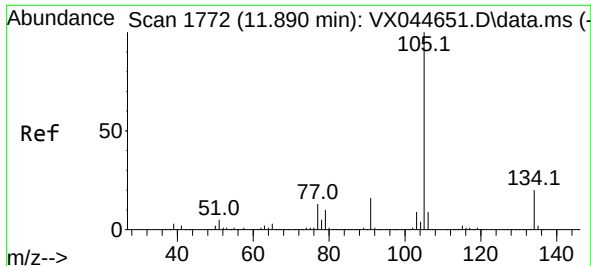
Tgt Ion:105 Resp: 158646

Ion Ratio Lower Upper

105 100

120 44.3 22.2 66.6

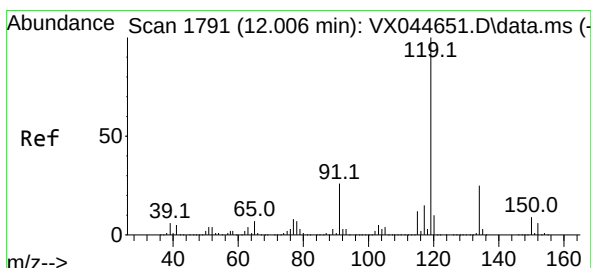
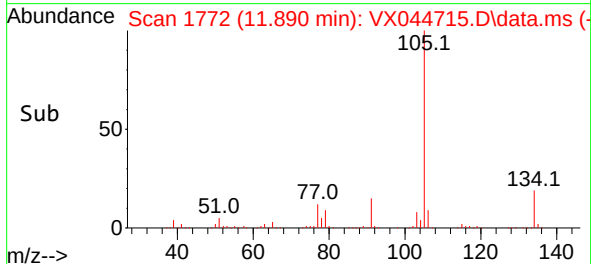
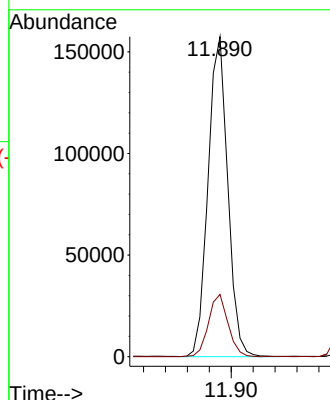
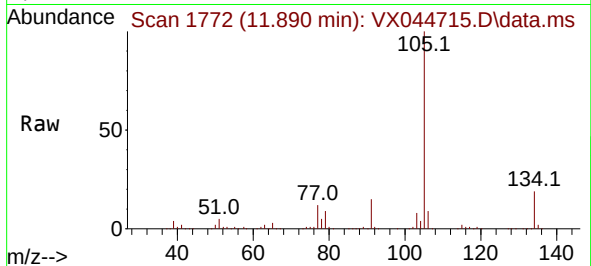




#85
 sec-Butylbenzene
 Concen: 19.273 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX044715.D
 Acq: 27 Jan 2025 11:52

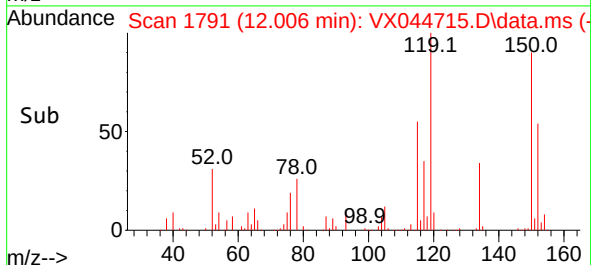
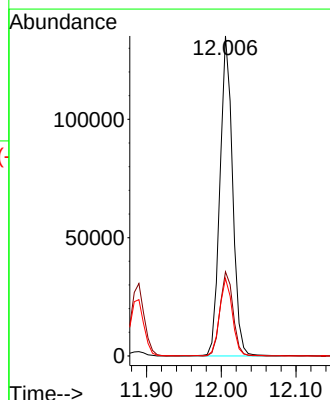
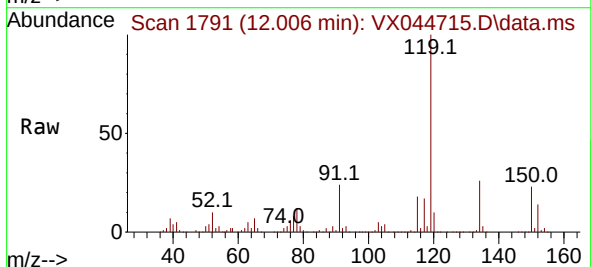
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBSD01

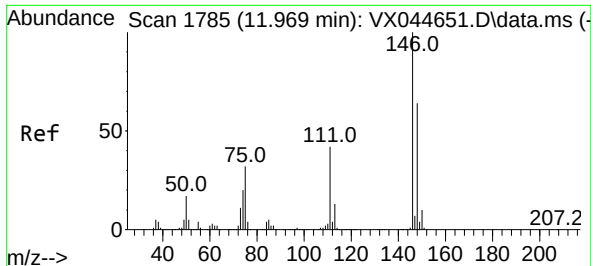
Tgt Ion:105 Resp: 196136
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 19.029 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX044715.D
 Acq: 27 Jan 2025 11:52

Tgt Ion:119 Resp: 159144
 Ion Ratio Lower Upper
 119 100
 134 27.1 12.8 38.4
 91 24.4 12.7 38.1

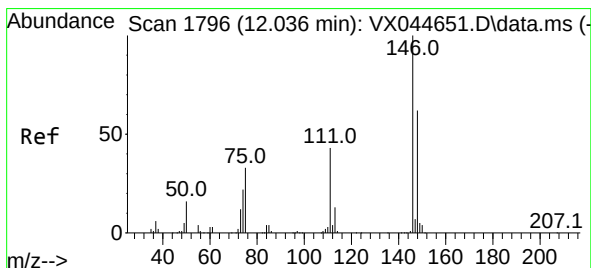
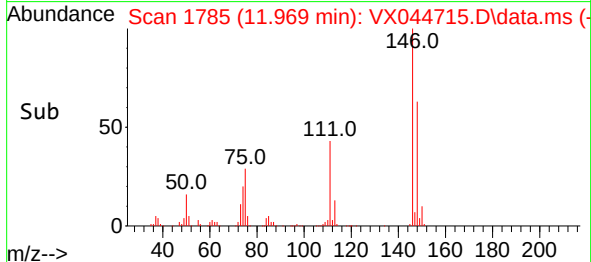
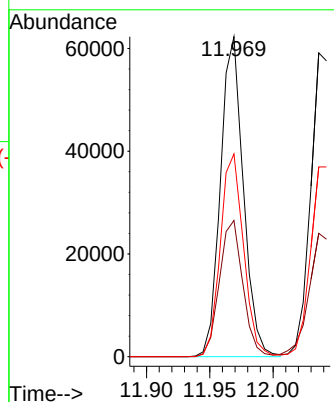
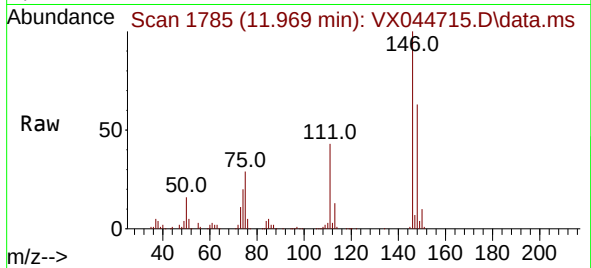




#87
 1,3-Dichlorobenzene
 Concen: 18.793 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. -0.000 min
 Lab File: VX044715.D
 Acq: 27 Jan 2025 11:52

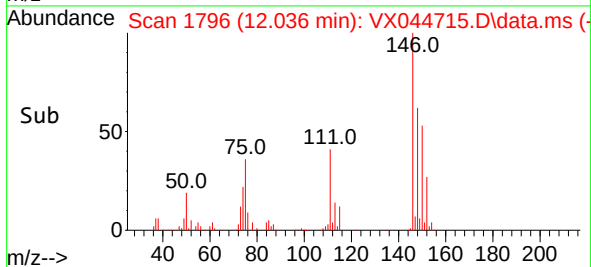
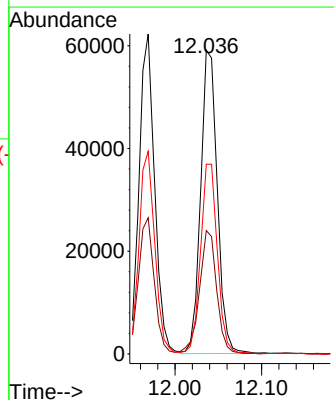
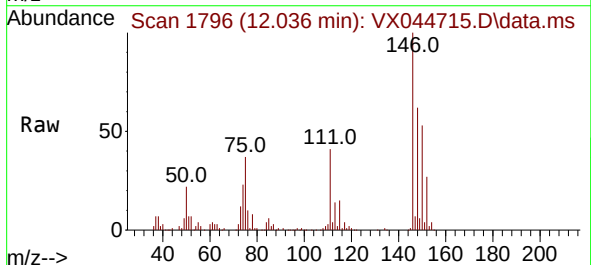
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBSD01

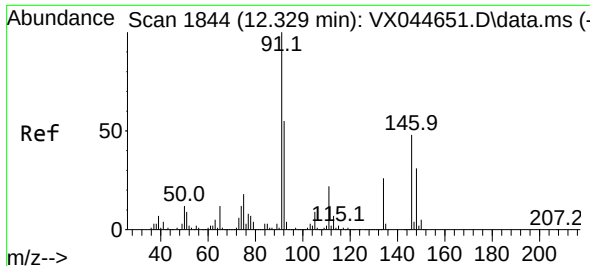
Tgt Ion:146 Resp: 78221
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.9 65.7
 148 64.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.742 ug/l
 RT: 12.036 min Scan# 1796
 Delta R.T. -0.000 min
 Lab File: VX044715.D
 Acq: 27 Jan 2025 11:52

Tgt Ion:146 Resp: 78858
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.5 64.5
 148 63.7 32.1 96.5

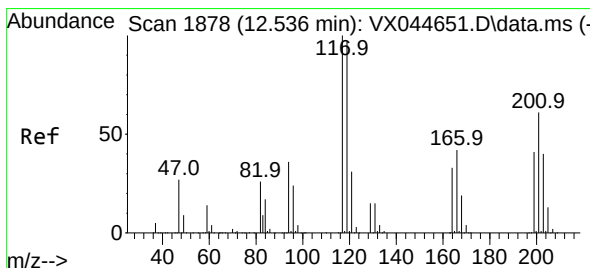
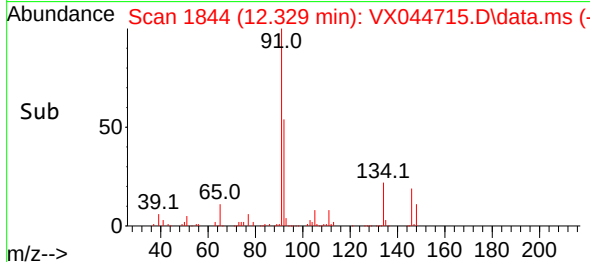
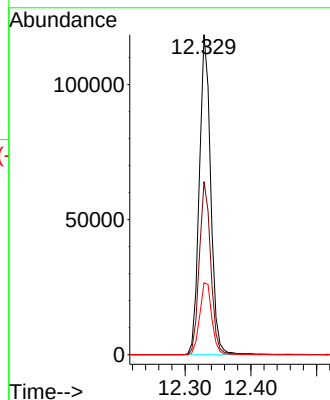
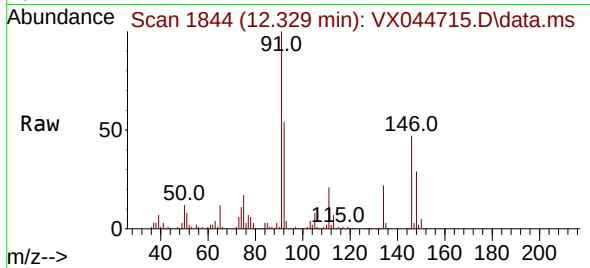




#89
n-Butylbenzene
Concen: 19.808 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

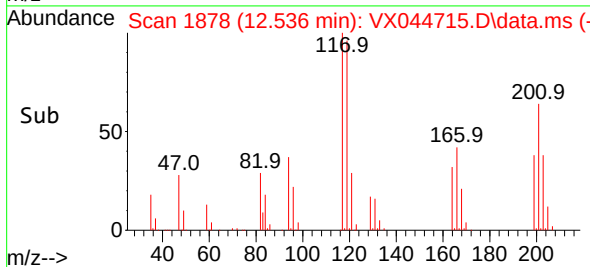
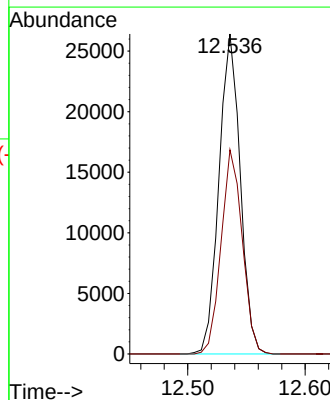
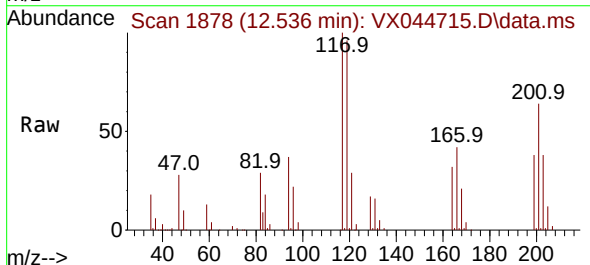
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

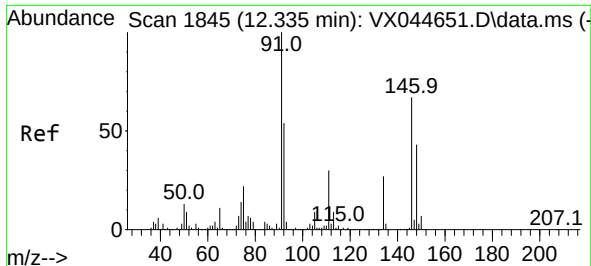
Tgt Ion: 91 Resp: 142284
Ion Ratio Lower Upper
91 100
92 54.4 27.4 82.0
134 24.0 12.8 38.3



#90
Hexachloroethane
Concen: 17.551 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 117 Resp: 33238
Ion Ratio Lower Upper
117 100
201 63.6 32.3 96.8

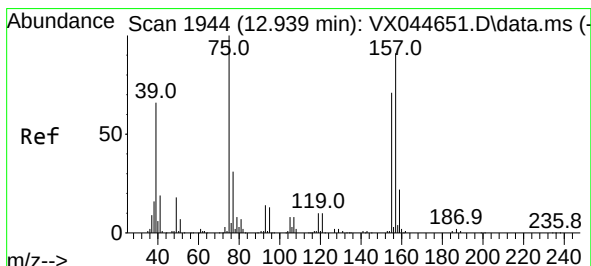
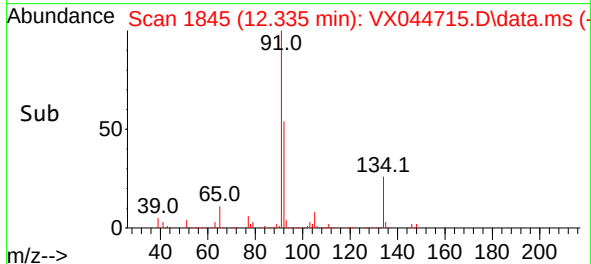
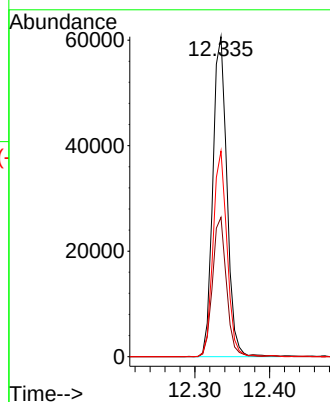
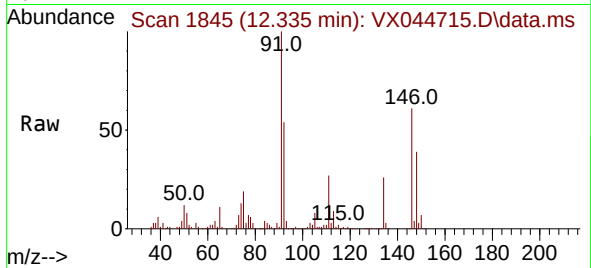




#91
1,2-Dichlorobenzene
Concen: 18.586 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

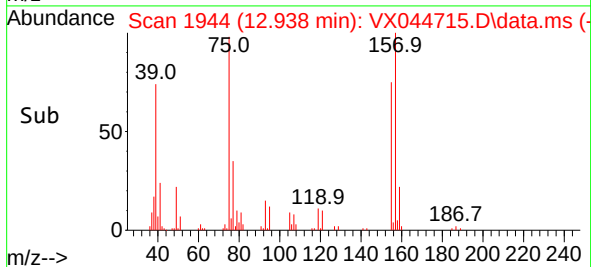
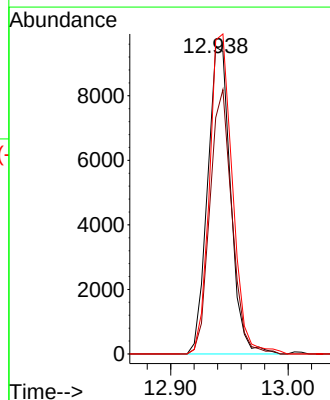
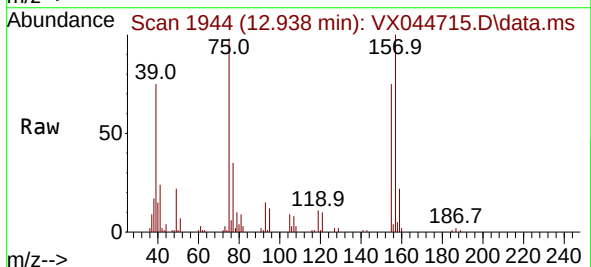
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

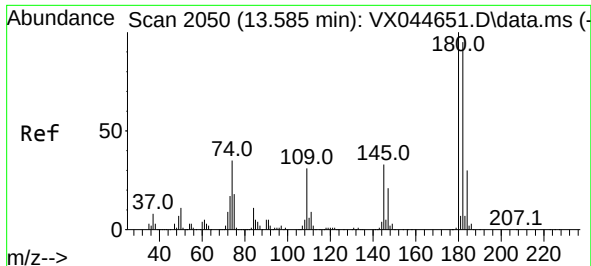
Tgt Ion:	146	Resp:	79447
Ion Ratio	Lower	Upper	
146	100		
111	43.0	22.4	67.2
148	63.5	31.6	94.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 14.949 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:	75	Resp:	12965
Ion Ratio	Lower	Upper	
75	100		
155	82.6	39.0	116.9
157	104.0	49.9	149.7

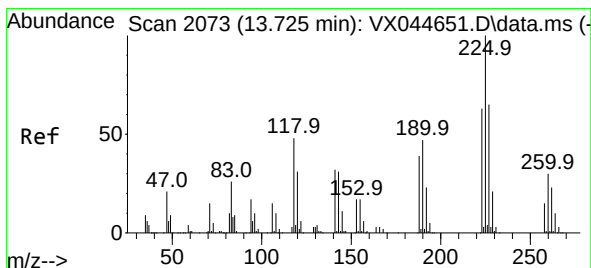
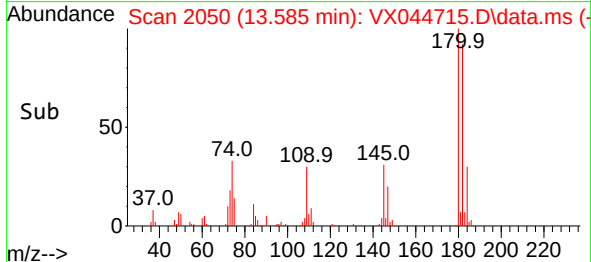
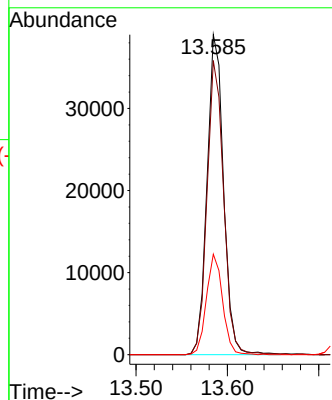
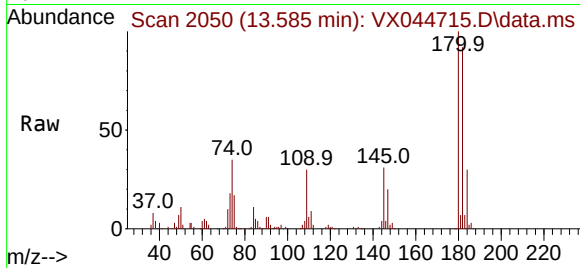




#93
 1,2,4-Trichlorobenzene
 Concen: 19.078 ug/l
 RT: 13.585 min Scan# 2050
 Delta R.T. -0.000 min
 Lab File: VX044715.D
 Acq: 27 Jan 2025 11:52

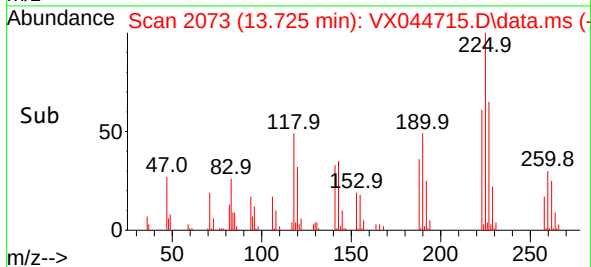
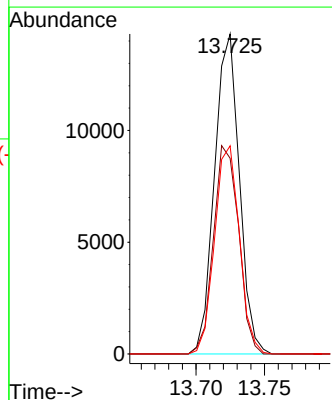
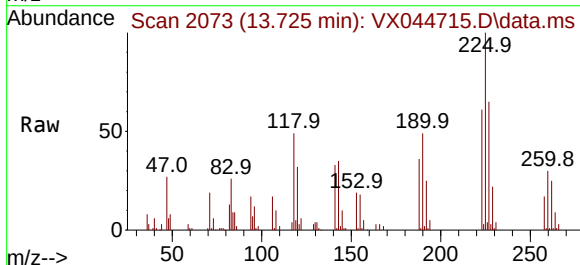
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBSD01

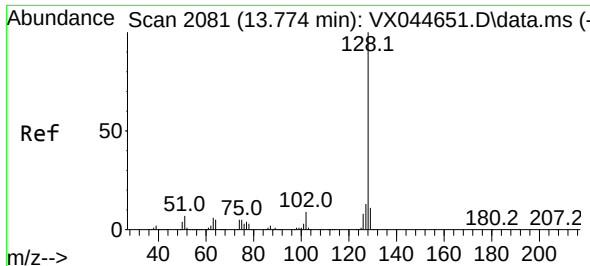
Tgt Ion:180 Resp: 48749
 Ion Ratio Lower Upper
 180 100
 182 92.5 47.4 142.2
 145 30.8 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 17.945 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. -0.000 min
 Lab File: VX044715.D
 Acq: 27 Jan 2025 11:52

Tgt Ion:225 Resp: 18012
 Ion Ratio Lower Upper
 225 100
 223 65.9 31.9 95.7
 227 65.1 31.8 95.4

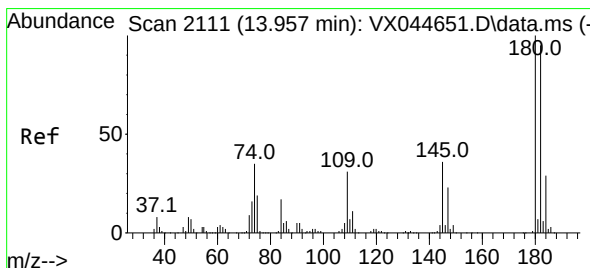
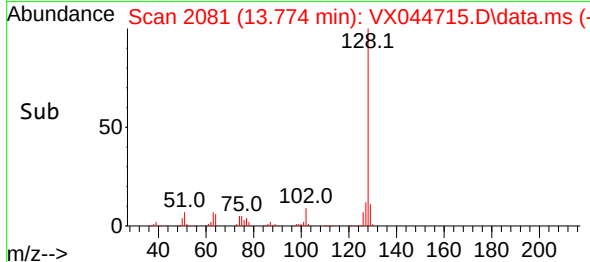
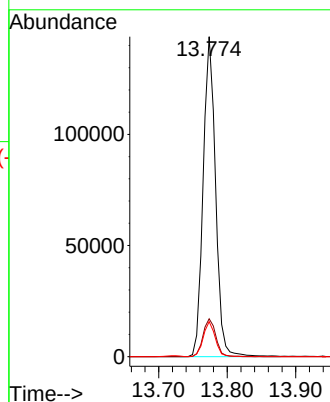
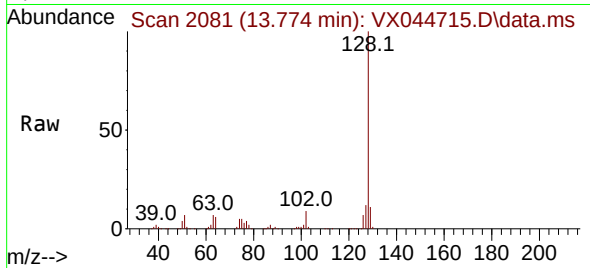




#95
Naphthalene
Concen: 18.471 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

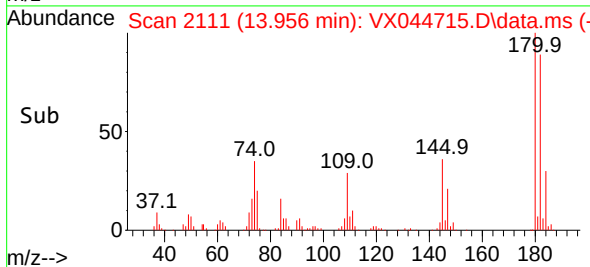
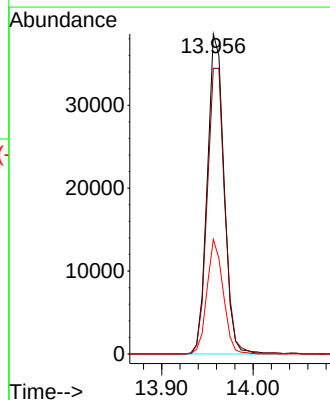
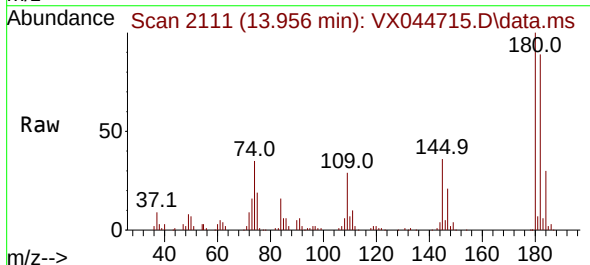
Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:	128	Resp:	182044
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.3	15.5
129	10.6	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 18.489 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:	180	Resp:	48973
Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.2	141.6
145	34.6	17.5	52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044734.D
 Acq On : 27 Jan 2025 19:09
 Operator : JC/MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0050EC

Quant Time: Jan 28 04:17:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	172951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	325756	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	269229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	123215	47.199	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.400%
35) Dibromofluoromethane	5.379	113	104400	50.447	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.900%
50) Toluene-d8	8.647	98	374057	51.838	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.680%
62) 4-Bromofluorobenzene	11.079	95	125660	46.714	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	111723	48.005	ug/l	99
3) Chloromethane	1.307	50	128721	51.146	ug/l	98
4) Vinyl Chloride	1.374	62	132495	53.282	ug/l	98
5) Bromomethane	1.593	94	32222	54.267	ug/l	97
6) Chloroethane	1.660	64	35587	78.041	ug/l	96
7) Trichlorofluoromethane	1.867	101	160029	58.228	ug/l	98
8) Diethyl Ether	2.136	74	57882	52.188	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	108656	52.594	ug/l	98
10) Methyl Iodide	2.447	142	146080	51.790	ug/l	97
11) Tert butyl alcohol	2.989	59	133813	229.927	ug/l #	85
12) 1,1-Dichloroethene	2.306	96	111815	55.215	ug/l	96
13) Acrolein	2.239	56	90124	329.074	ug/l	99
14) Allyl chloride	2.654	41	200564	50.867	ug/l	97
15) Acrylonitrile	3.062	53	318594	279.107	ug/l	99
16) Acetone	2.386	43	259537	251.283	ug/l	96
17) Carbon Disulfide	2.501	76	295781	53.527	ug/l	99
18) Methyl Acetate	2.703	43	186114	58.407	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	371345	50.627	ug/l	98
20) Methylene Chloride	2.782	84	123457	51.328	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	110052	52.052	ug/l	98
22) Diisopropyl ether	3.757	45	381220	55.621	ug/l	98
23) Vinyl Acetate	3.721	43	1606823	267.851	ug/l	100
24) 1,1-Dichloroethane	3.605	63	217085	53.411	ug/l	99
25) 2-Butanone	4.556	43	423266	275.626	ug/l	100
26) 2,2-Dichloropropane	4.471	77	166555	42.282	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	135627	50.998	ug/l	97
28) Bromochloromethane	4.891	49	103327	54.405	ug/l	95
29) Tetrahydrofuran	5.001	42	277269	279.917	ug/l	97
30) Chloroform	5.086	83	207669	50.629	ug/l	98
31) Cyclohexane	5.464	56	185760	56.510	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	177763	47.142	ug/l	99
36) 1,1-Dichloropropene	5.684	75	142861	49.591	ug/l	99
37) Ethyl Acetate	4.714	43	168109	54.798	ug/l	98
38) Carbon Tetrachloride	5.666	117	150574	46.468	ug/l	97
39) Methylcyclohexane	7.373	83	191661	50.118	ug/l	98
40) Benzene	6.031	78	464502	52.035	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044734.D
 Acq On : 27 Jan 2025 19:09
 Operator : JC/MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0050EC

Quant Time: Jan 28 04:17:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	93115	52.088	ug/l	99
42) 1,2-Dichloroethane	6.080	62	149994	46.037	ug/l	100
43) Isopropyl Acetate	6.336	43	280126	49.636	ug/l	99
44) Trichloroethene	7.123	130	107262	49.981	ug/l	95
45) 1,2-Dichloropropane	7.427	63	117332	52.217	ug/l	98
46) Dibromomethane	7.574	93	82056	47.970	ug/l	99
47) Bromodichloromethane	7.818	83	164495	46.892	ug/l	99
48) Methyl methacrylate	7.690	41	133656	51.021	ug/l	98
49) 1,4-Dioxane	7.665	88	52370	958.191	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	804760	258.036	ug/l	100
52) Toluene	8.714	92	275818	50.481	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	168742	46.558	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	187397	47.685	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	108031	48.870	ug/l	97
56) Ethyl methacrylate	9.116	69	185430	48.786	ug/l	100
57) 1,3-Dichloropropane	9.305	76	185086	49.168	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	417955	223.982	ug/l	98
59) 2-Hexanone	9.427	43	589548	256.939	ug/l	100
60) Dibromochloromethane	9.518	129	120124	46.299	ug/l	100
61) 1,2-Dibromoethane	9.604	107	110375	47.644	ug/l	100
64) Tetrachloroethene	9.269	164	82704	48.921	ug/l	99
65) Chlorobenzene	10.073	112	285275	49.886	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	98702	47.492	ug/l	99
67) Ethyl Benzene	10.189	91	508128	50.924	ug/l	100
68) m/p-Xylenes	10.299	106	375897	101.518	ug/l	98
69) o-Xylene	10.640	106	186721	49.864	ug/l	99
70) Styrene	10.652	104	306315	50.666	ug/l	98
71) Bromoform	10.799	173	78698	46.525	ug/l #	98
73) Isopropylbenzene	10.957	105	467702	49.995	ug/l	99
74) N-amyl acetate	10.841	43	230784	50.050	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	162476	50.287	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	183144	65.900	ug/l	79
77) Bromobenzene	11.195	156	105832	48.400	ug/l	97
78) n-propylbenzene	11.299	91	537719	52.120	ug/l	98
79) 2-Chlorotoluene	11.360	91	324771	48.732	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	377028	49.507	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	58035	47.755	ug/l	98
82) 4-Chlorotoluene	11.451	91	360773	49.417	ug/l	99
83) tert-Butylbenzene	11.713	119	384493	48.285	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	375017	48.458	ug/l	99
85) sec-Butylbenzene	11.890	105	468207	50.498	ug/l	100
86) p-Isopropyltoluene	12.006	119	384326	50.439	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	191747	50.565	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	186749	48.716	ug/l	99
89) n-Butylbenzene	12.329	91	337088	51.507	ug/l	99
90) Hexachloroethane	12.536	117	81232	47.079	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	191751	49.238	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	33494	42.388	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	116141	49.887	ug/l	99
94) Hexachlorobutadiene	13.725	225	43217	47.259	ug/l	98
95) Naphthalene	13.774	128	446363	49.711	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	118806	49.232	ug/l	99

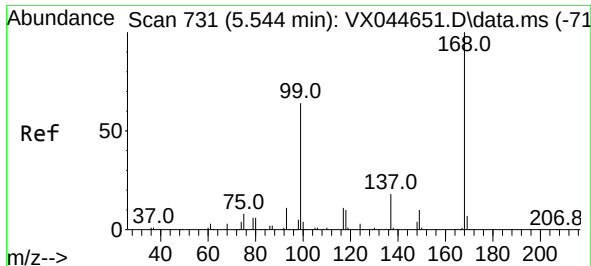
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

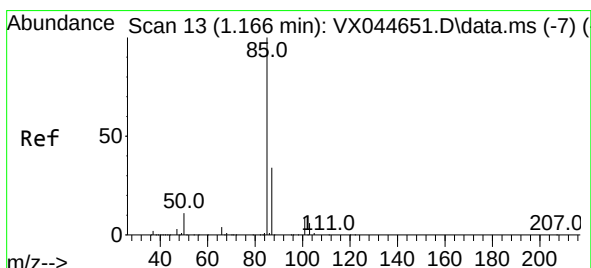
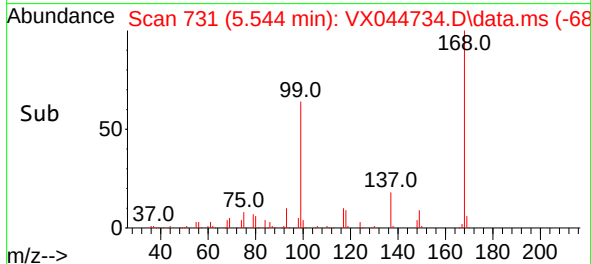
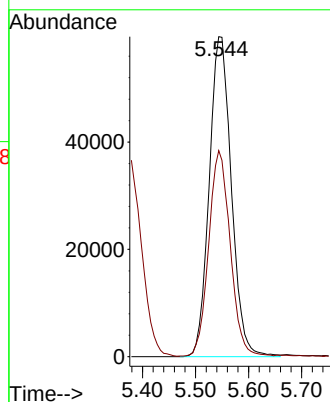
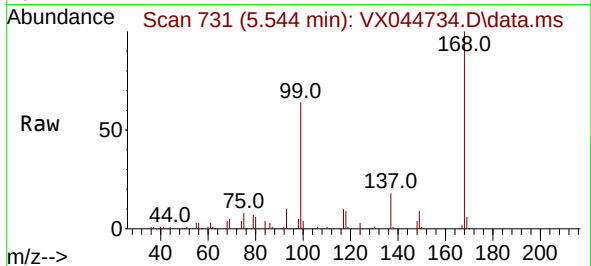
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

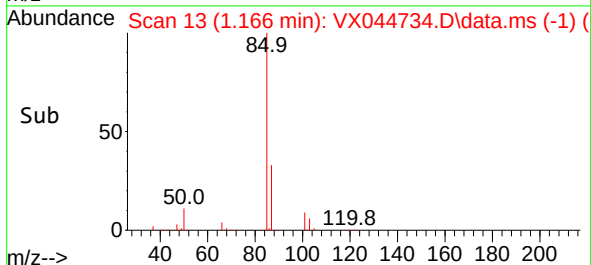
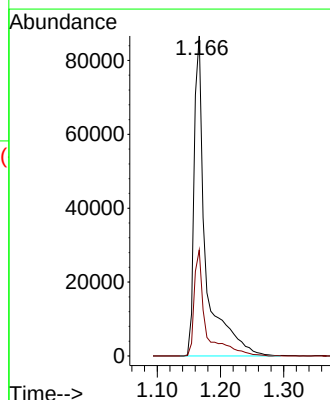
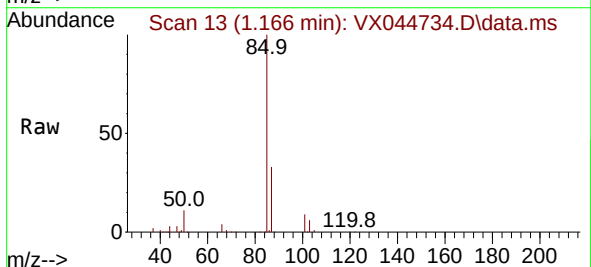
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

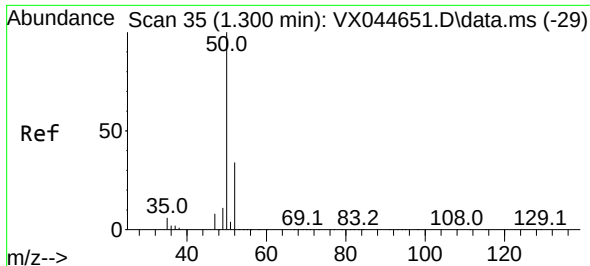
Tgt Ion:168 Resp: 172951
Ion Ratio Lower Upper
168 100
99 64.2 51.1 76.7



#2
Dichlorodifluoromethane
Concen: 48.005 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 85 Resp: 111723
Ion Ratio Lower Upper
85 100
87 33.1 16.8 50.4

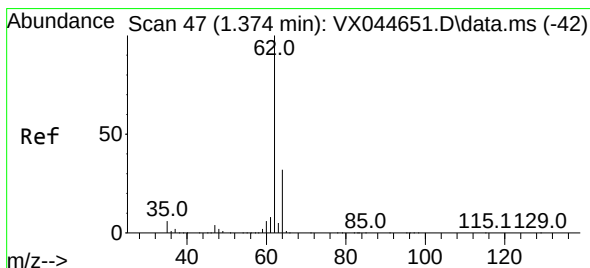
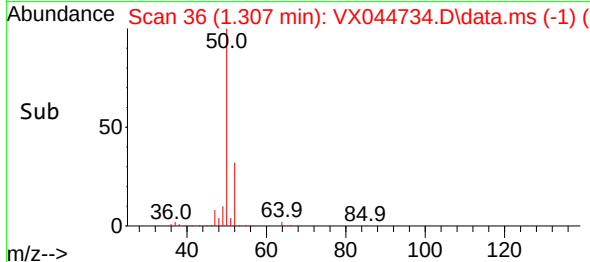
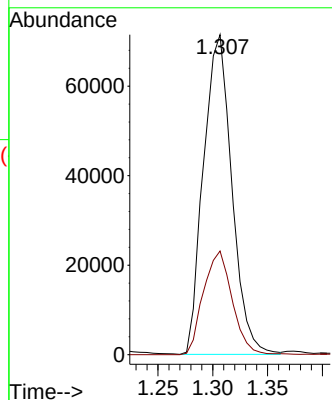
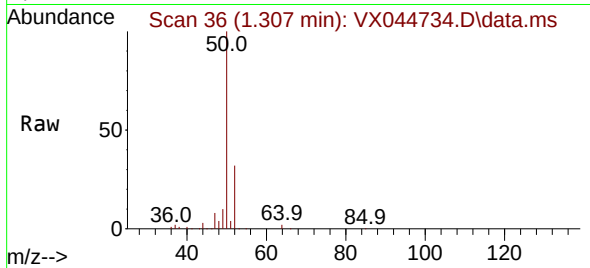




#3
Chloromethane
Concen: 51.146 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

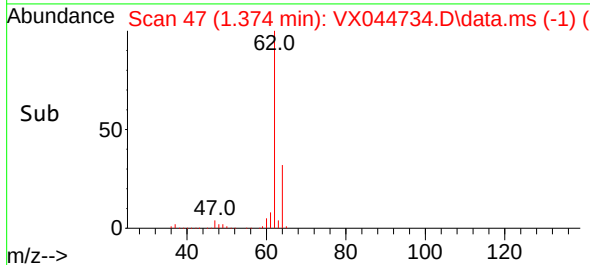
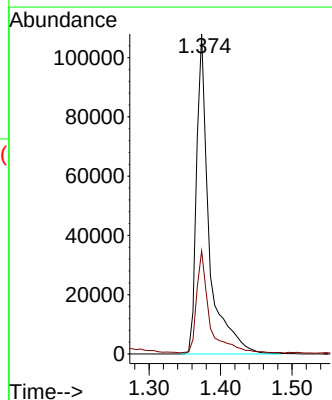
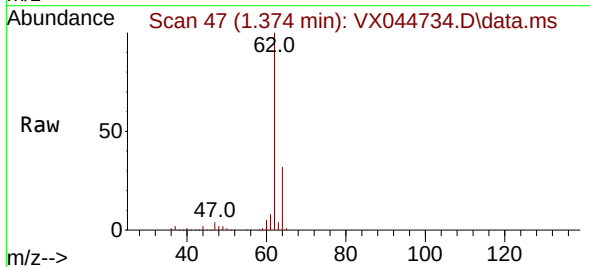
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

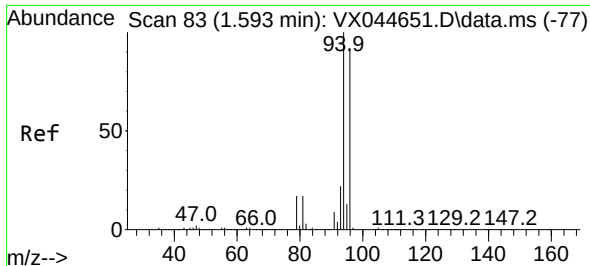
Tgt Ion: 50 Resp: 128721
Ion Ratio Lower Upper
50 100
52 32.4 27.0 40.4



#4
Vinyl Chloride
Concen: 53.282 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 62 Resp: 132495
Ion Ratio Lower Upper
62 100
64 31.8 26.6 39.8

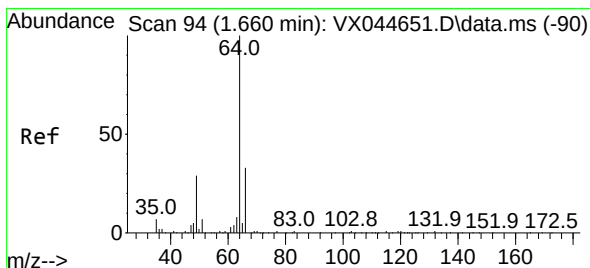
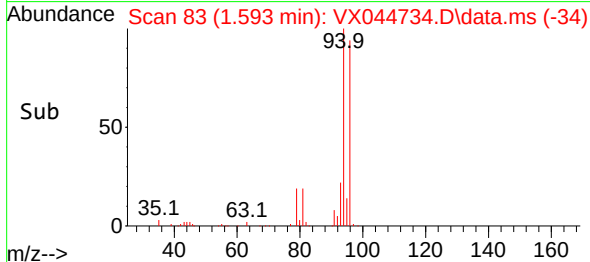
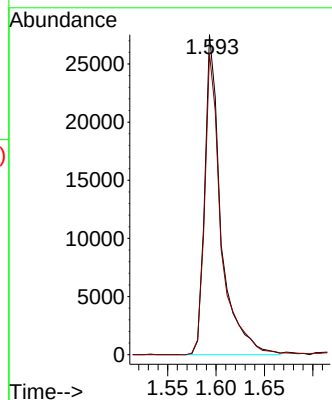
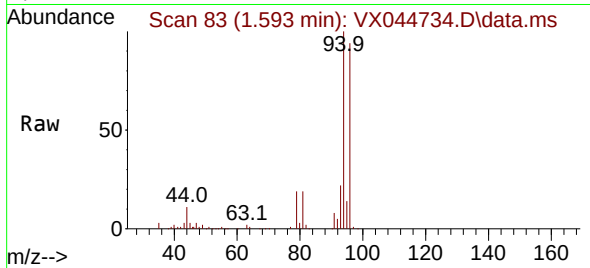




#5
Bromomethane
Concen: 54.267 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

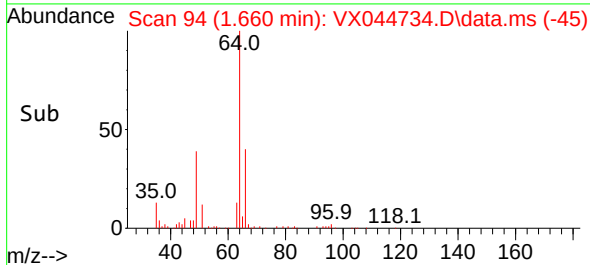
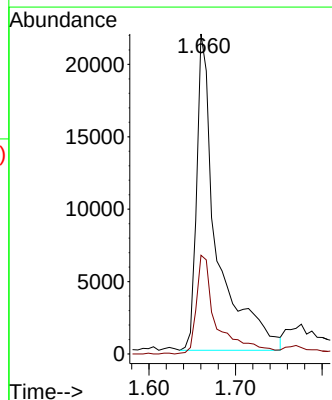
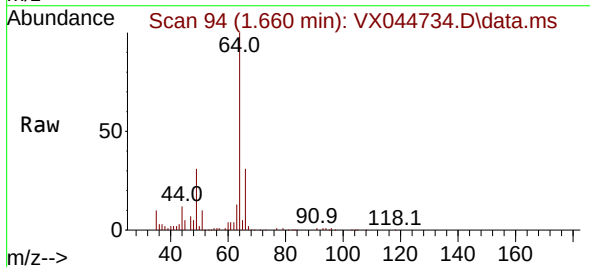
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

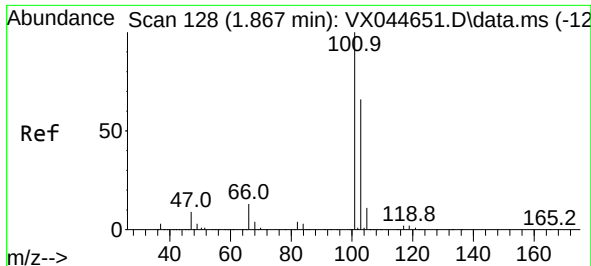
Tgt Ion: 94 Resp: 32222
Ion Ratio Lower Upper
94 100
96 94.2 72.8 109.2



#6
Chloroethane
Concen: 78.041 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 64 Resp: 35587
Ion Ratio Lower Upper
64 100
66 30.9 26.6 39.8

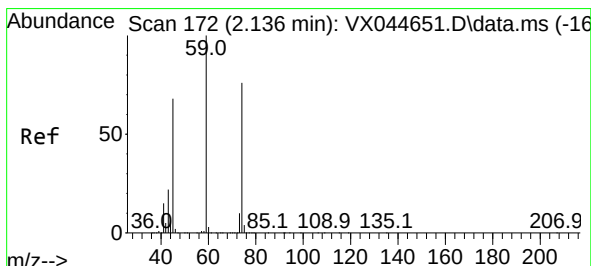
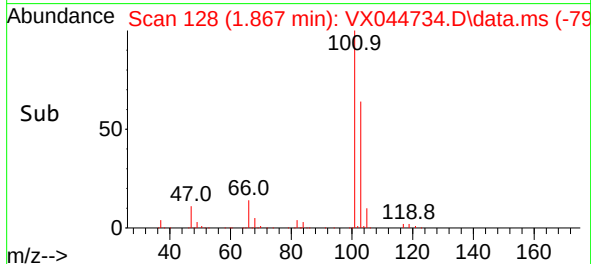
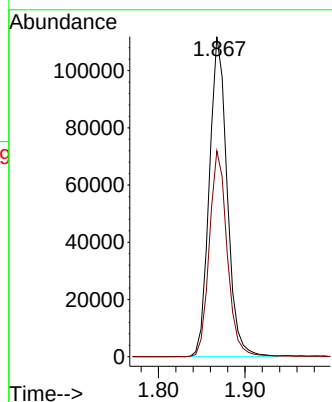
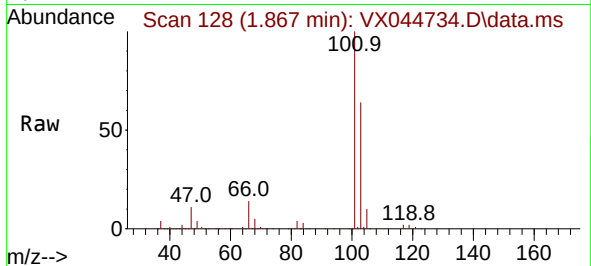




#7
 Trichlorofluoromethane
 Concen: 58.228 ug/l
 RT: 1.867 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044734.D
 Acq: 27 Jan 2025 19:09

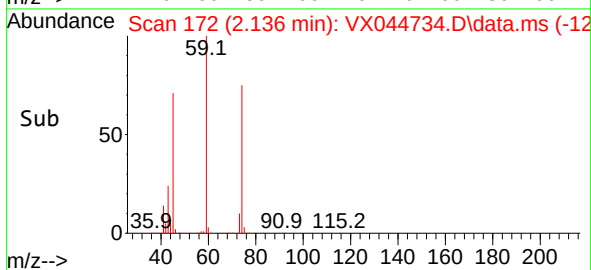
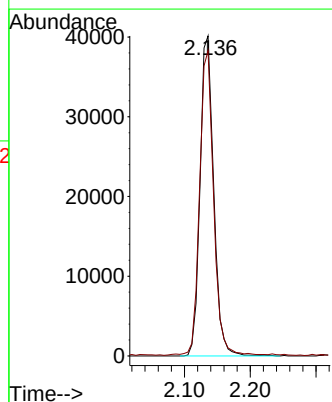
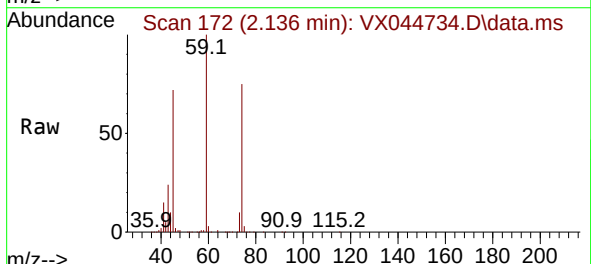
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

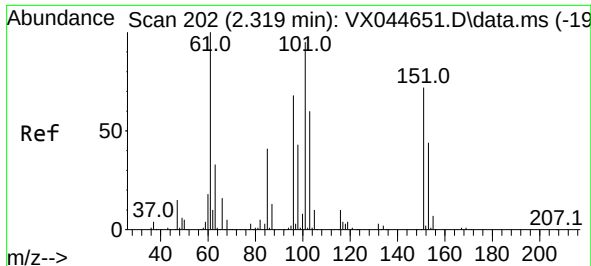
Tgt Ion:101 Resp: 160029
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.5 78.7



#8
 Diethyl Ether
 Concen: 52.188 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. 0.000 min
 Lab File: VX044734.D
 Acq: 27 Jan 2025 19:09

Tgt Ion: 74 Resp: 57882
 Ion Ratio Lower Upper
 74 100
 45 97.7 47.1 141.3

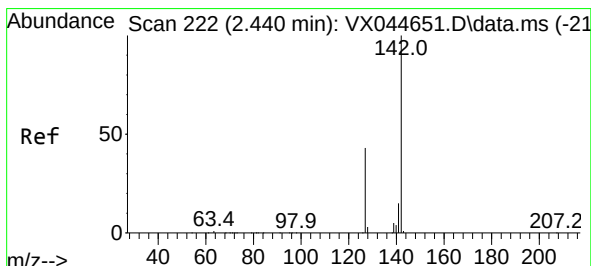
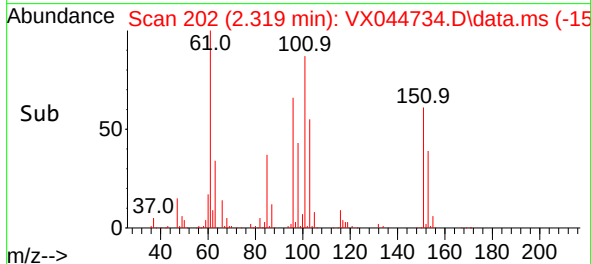
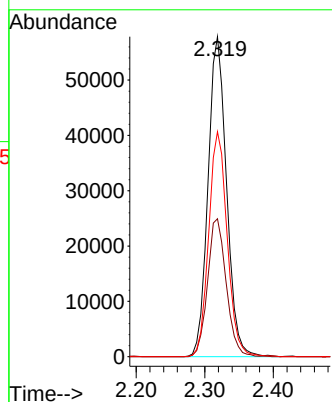
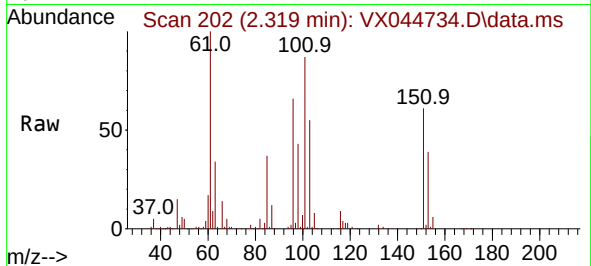




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.594 ug/l
 RT: 2.319 min Scan# 202
 Delta R.T. 0.000 min
 Lab File: VX044734.D
 Acq: 27 Jan 2025 19:09

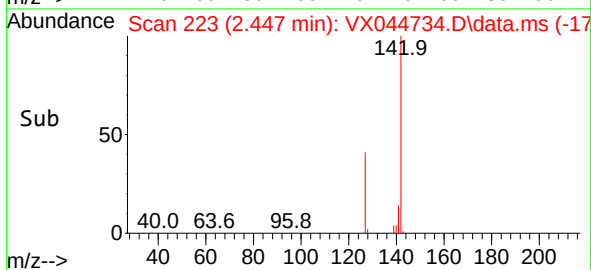
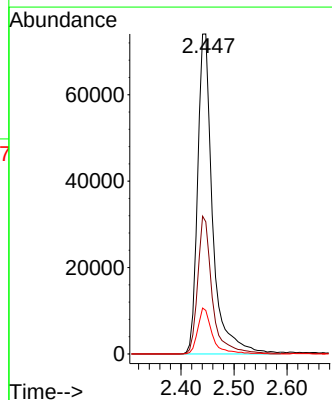
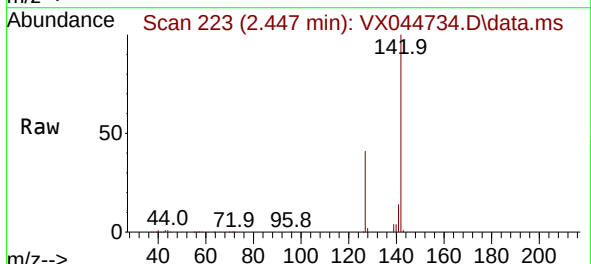
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

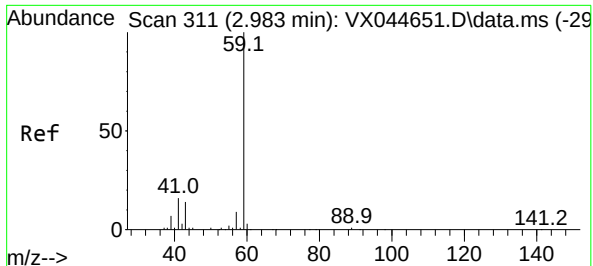
Tgt Ion:101 Resp: 108656
 Ion Ratio Lower Upper
 101 100
 85 43.5 35.3 52.9
 151 70.4 58.2 87.4



#10
 Methyl Iodide
 Concen: 51.790 ug/l
 RT: 2.447 min Scan# 223
 Delta R.T. 0.006 min
 Lab File: VX044734.D
 Acq: 27 Jan 2025 19:09

Tgt Ion:142 Resp: 146080
 Ion Ratio Lower Upper
 142 100
 127 41.8 35.0 52.4
 141 14.0 11.7 17.5





#11

Tert butyl alcohol

Concen: 229.927 ug/l

RT: 2.989 min Scan# 311

Delta R.T. 0.006 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

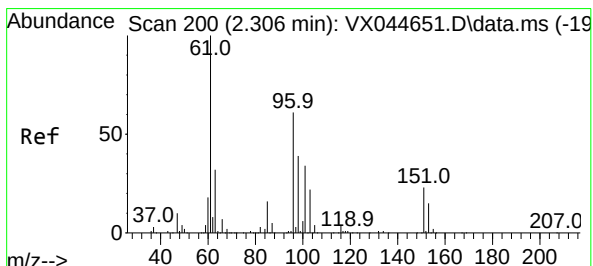
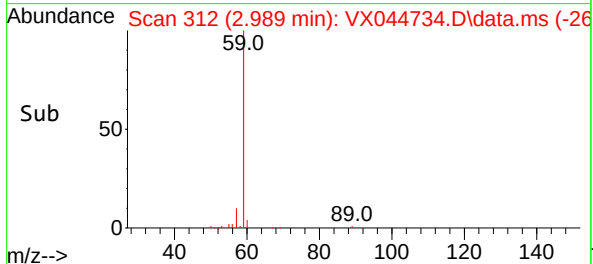
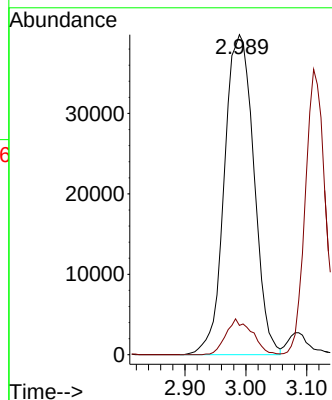
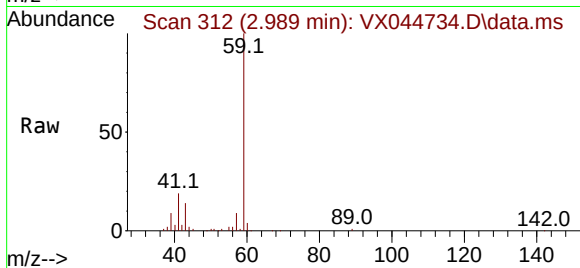
VSTDCCC050EC

Tgt Ion: 59 Resp: 133813

Ion Ratio Lower Upper

59 100

57 10.0 3.9 5.9#



#12

1,1-Dichloroethene

Concen: 55.215 ug/l

RT: 2.306 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

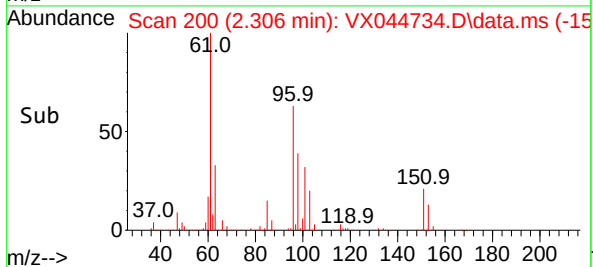
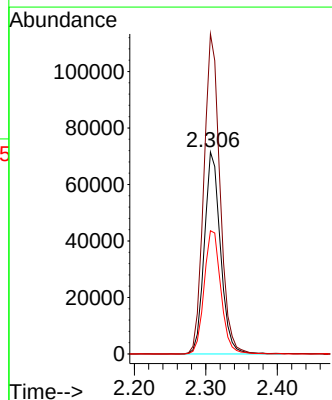
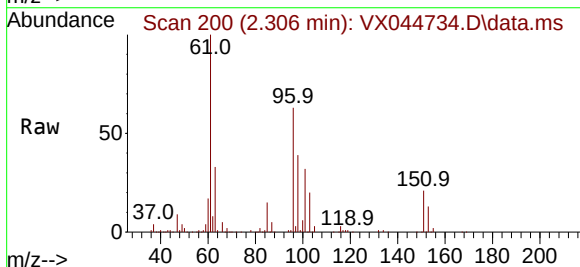
Tgt Ion: 96 Resp: 111815

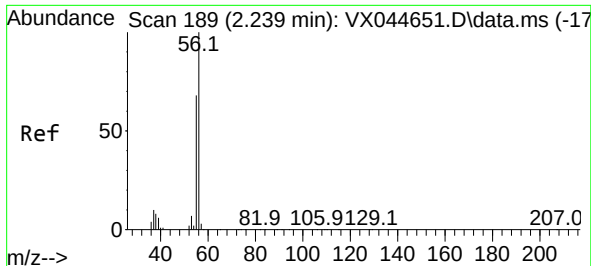
Ion Ratio Lower Upper

96 100

61 158.5 131.1 196.7

98 61.1 51.2 76.8

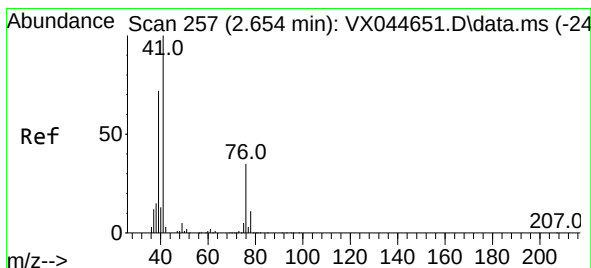
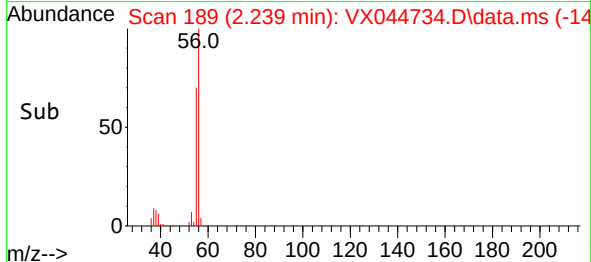
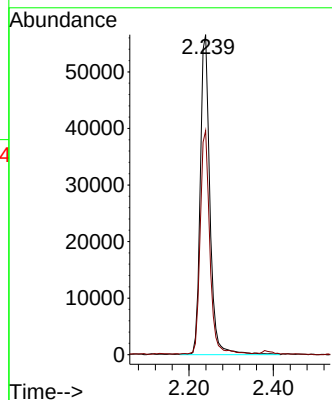
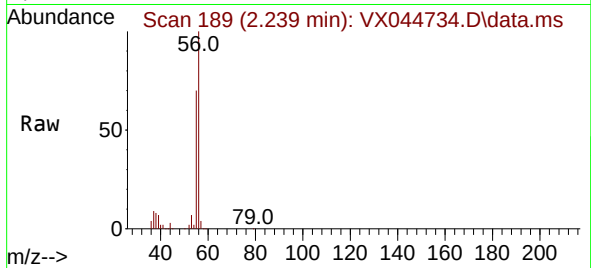




#13
Acrolein
Concen: 329.074 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

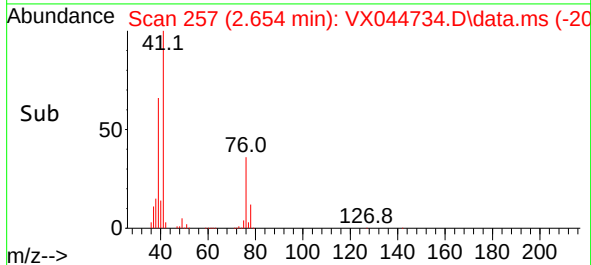
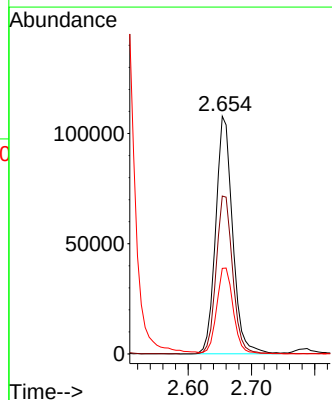
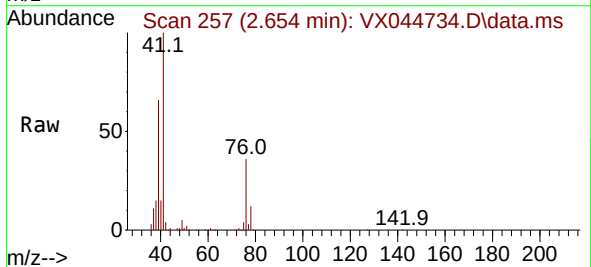
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

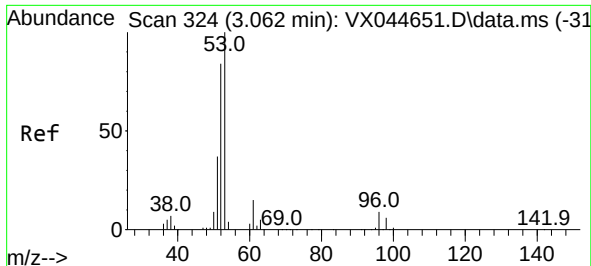
Tgt Ion: 56 Resp: 90124
Ion Ratio Lower Upper
56 100
55 69.4 55.1 82.7



#14
Allyl chloride
Concen: 50.867 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 41 Resp: 200564
Ion Ratio Lower Upper
41 100
39 64.9 54.9 82.3
76 35.4 28.4 42.6





#15

Acrylonitrile

Concen: 279.107 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

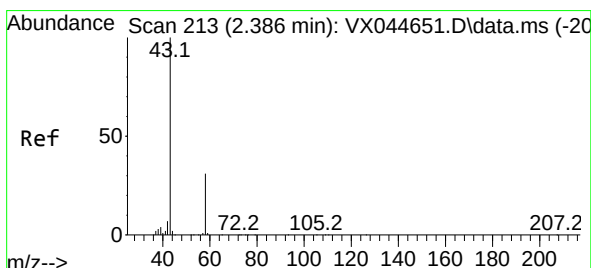
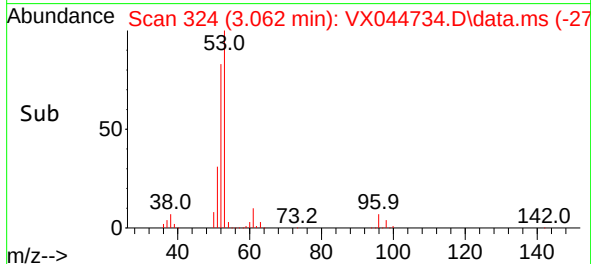
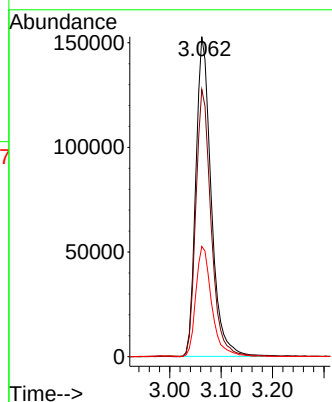
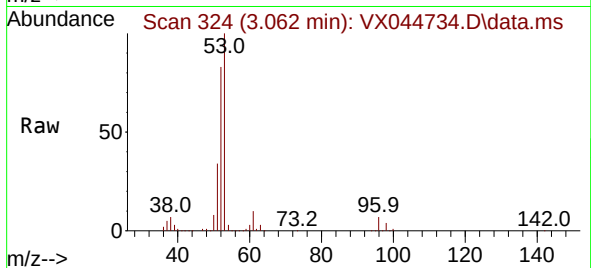
Tgt Ion: 53 Resp: 318594

Ion Ratio Lower Upper

53 100

52 83.3 66.0 99.0

51 35.2 28.9 43.3



#16

Acetone

Concen: 251.283 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX044734.D

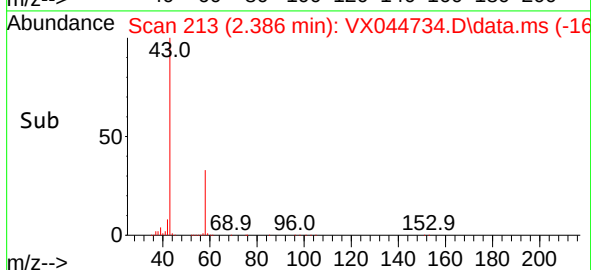
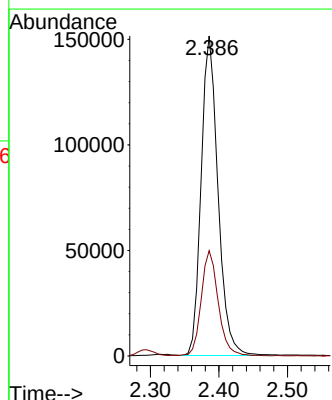
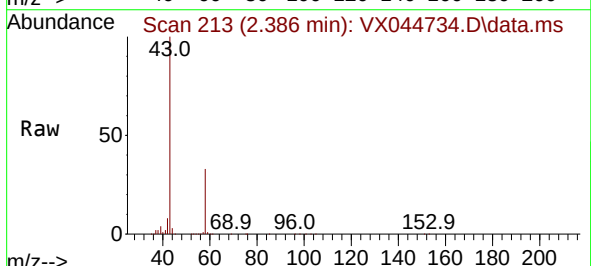
Acq: 27 Jan 2025 19:09

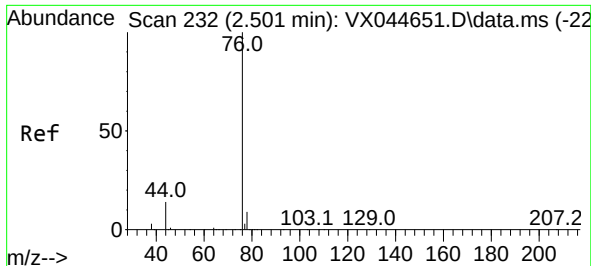
Tgt Ion: 43 Resp: 259537

Ion Ratio Lower Upper

43 100

58 32.8 24.6 37.0

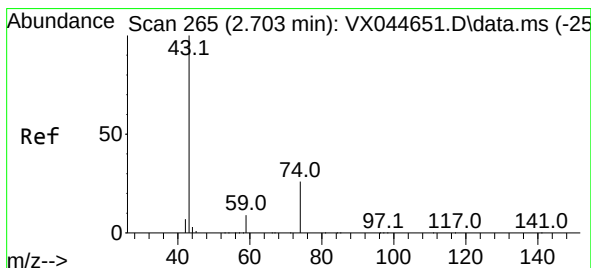
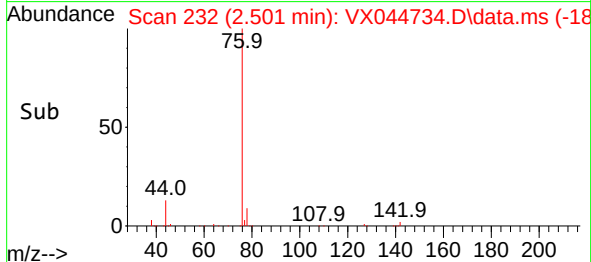
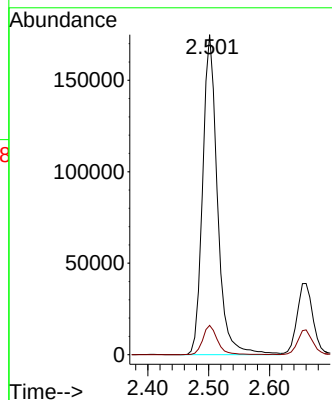
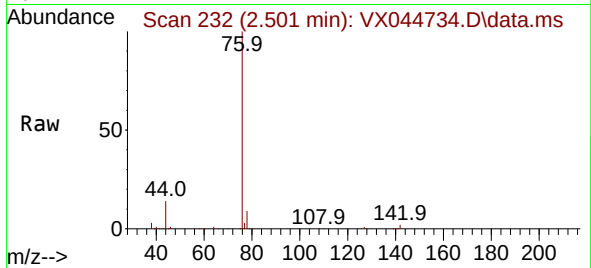




#17
Carbon Disulfide
Concen: 53.527 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

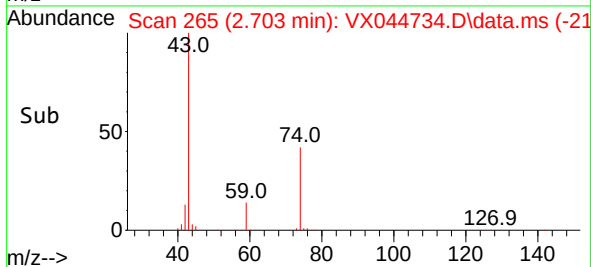
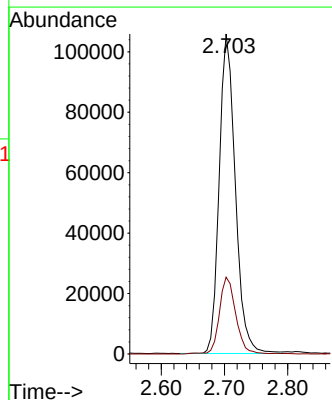
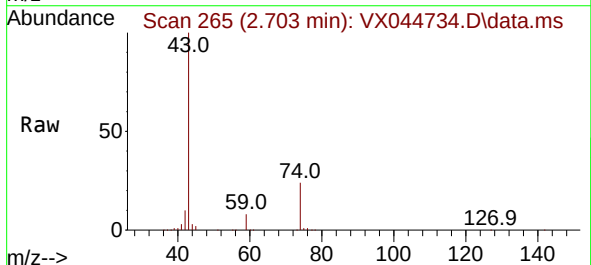
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

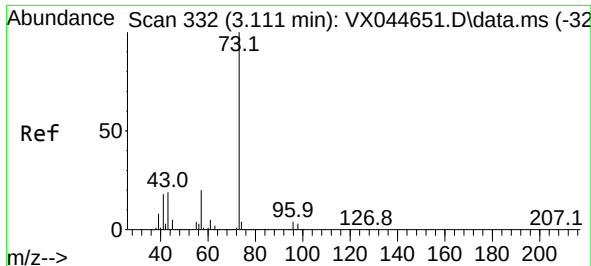
Tgt Ion: 76 Resp: 295781
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 58.407 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 43 Resp: 186114
Ion Ratio Lower Upper
43 100
74 24.4 19.8 29.8

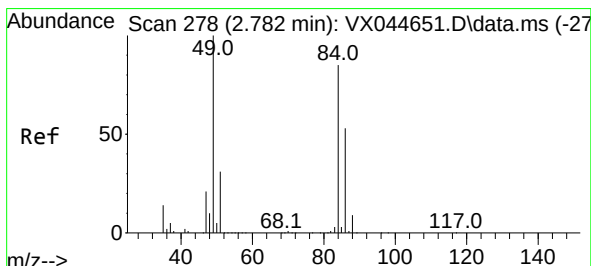
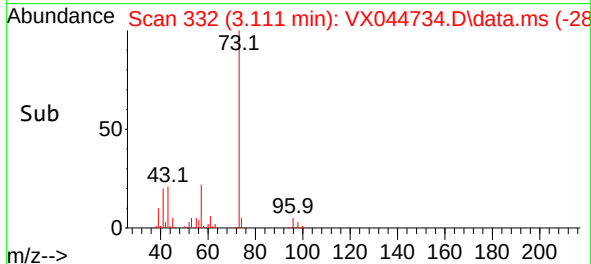
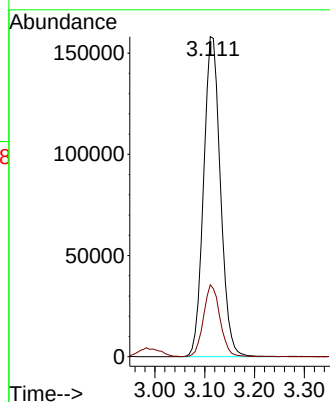
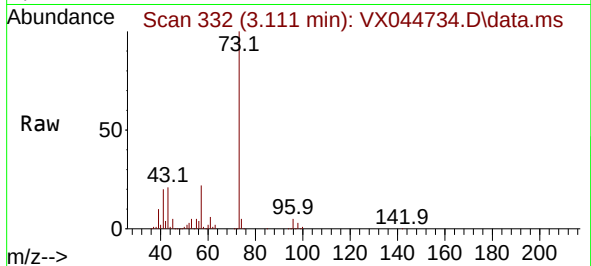




#19
Methyl tert-butyl Ether
Concen: 50.627 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

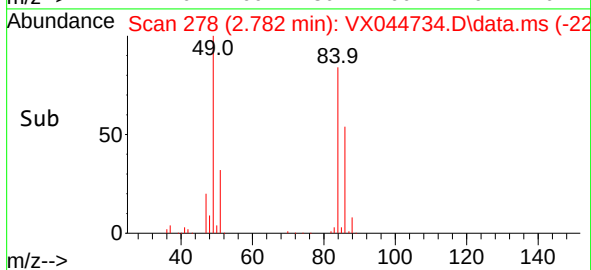
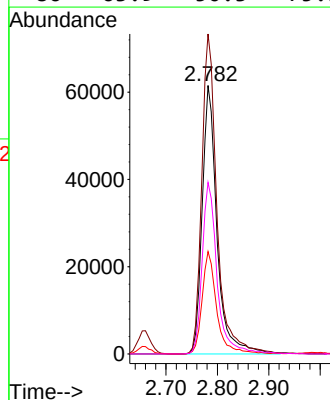
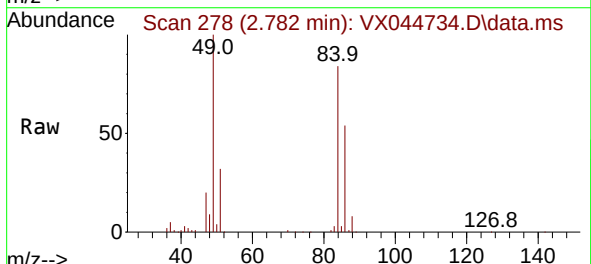
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

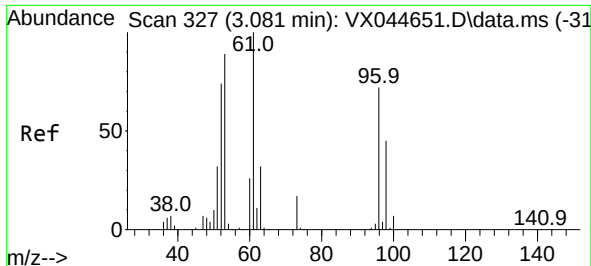
Tgt Ion: 73 Resp: 371345
Ion Ratio Lower Upper
73 100
57 22.4 17.4 26.0



#20
Methylene Chloride
Concen: 51.328 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 84 Resp: 123457
Ion Ratio Lower Upper
84 100
49 119.2 94.2 141.4
51 38.2 28.8 43.2
86 63.9 50.3 75.5

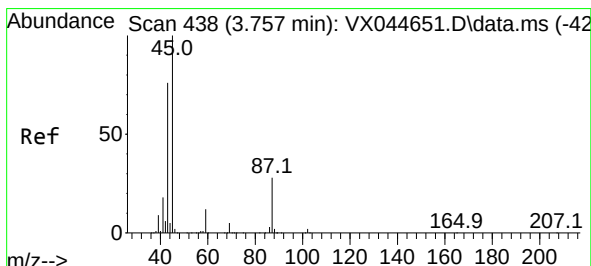
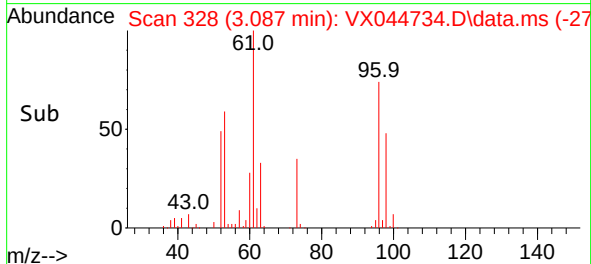
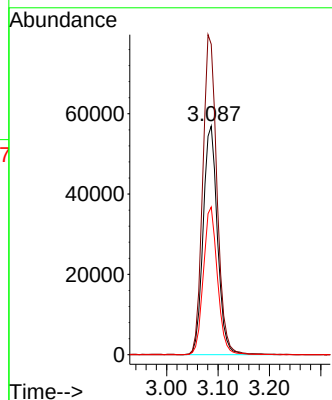
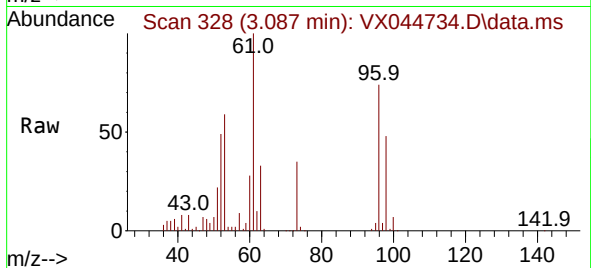




#21
trans-1,2-Dichloroethene
Concen: 52.052 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

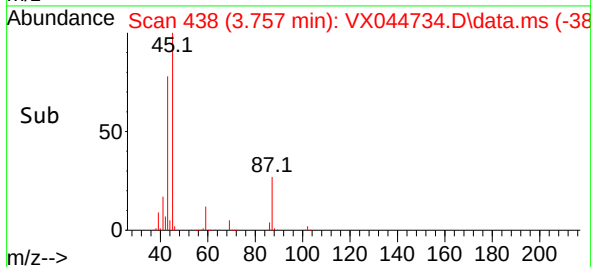
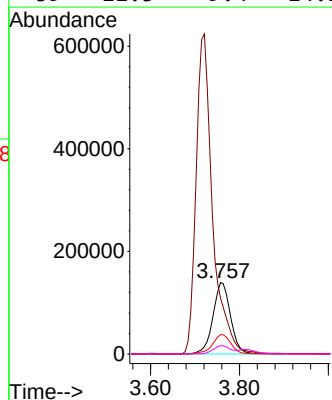
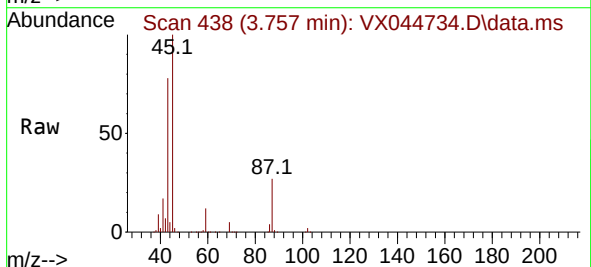
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

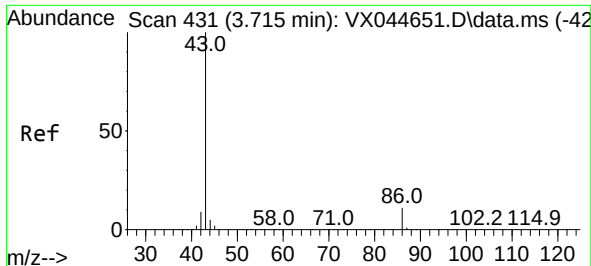
Tgt Ion: 96 Resp: 110052
Ion Ratio Lower Upper
96 100
61 135.8 111.0 166.6
98 64.6 50.2 75.2



#22
Diisopropyl ether
Concen: 55.621 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 45 Resp: 381220
Ion Ratio Lower Upper
45 100
43 78.1 61.0 91.6
87 26.8 22.7 34.1
59 11.5 9.4 14.2

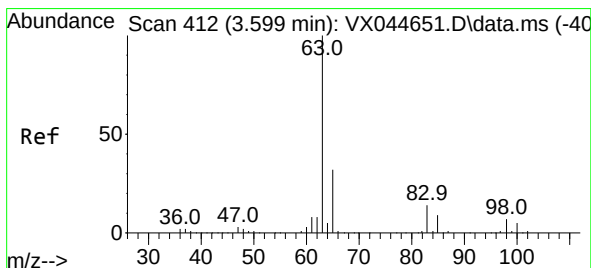
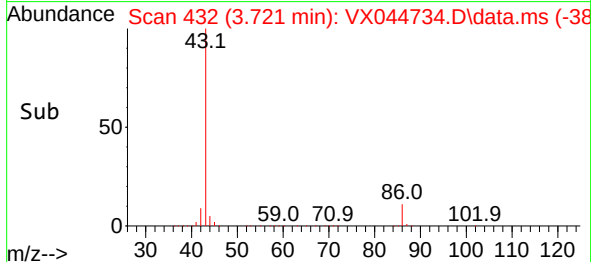
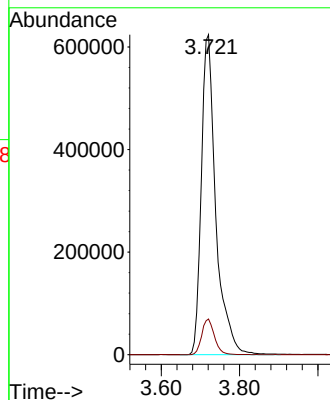
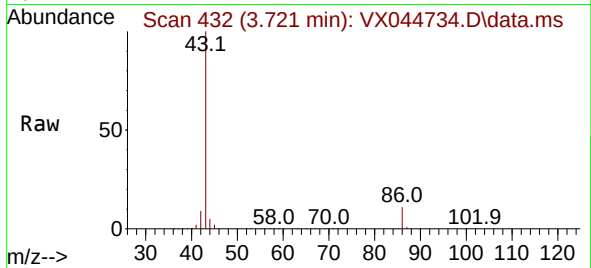




#23
 Vinyl Acetate
 Concen: 267.851 ug/l
 RT: 3.721 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX044734.D
 Acq: 27 Jan 2025 19:09

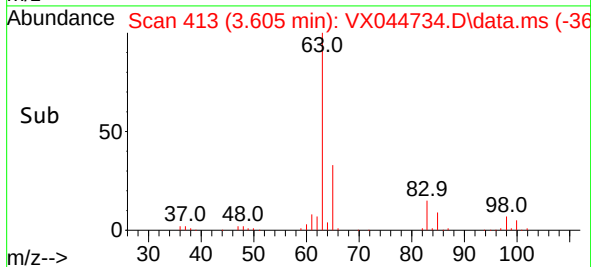
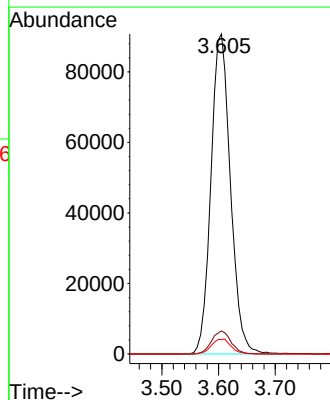
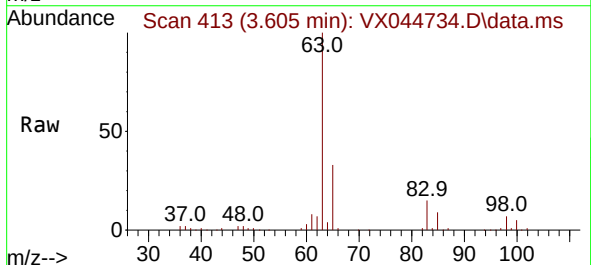
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

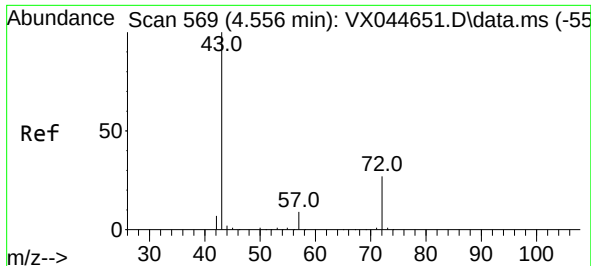
Tgt Ion: 43 Resp: 1606823
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 53.411 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX044734.D
 Acq: 27 Jan 2025 19:09

Tgt Ion: 63 Resp: 217085
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.6 10.9
 100 4.5 2.5 7.5

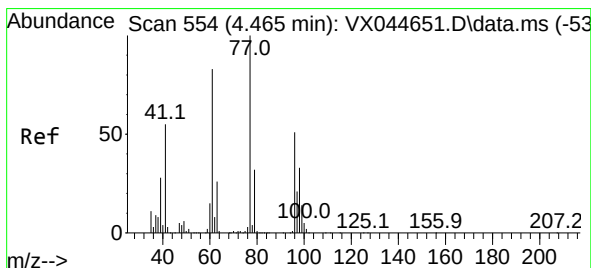
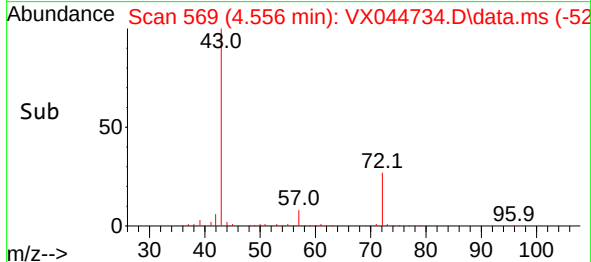
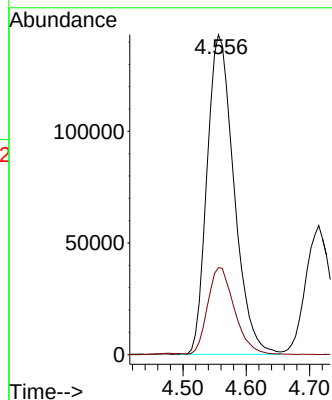
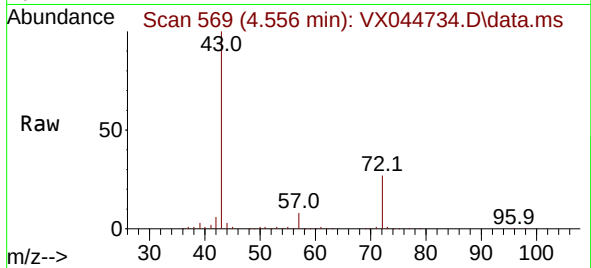




#25
2-Butanone
Concen: 275.626 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

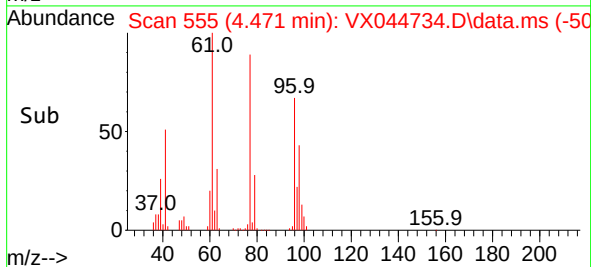
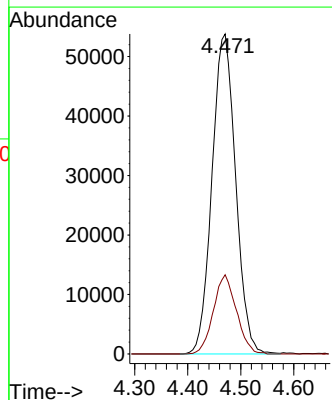
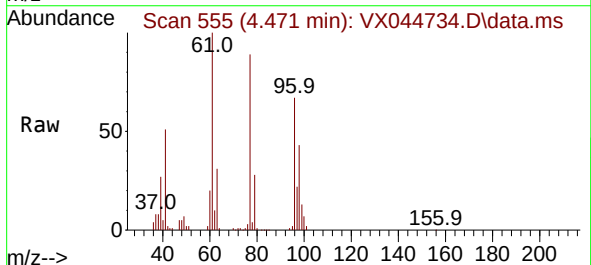
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

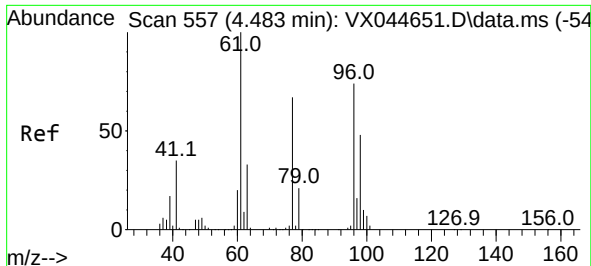
Tgt Ion: 43 Resp: 423266
Ion Ratio Lower Upper
43 100
72 27.0 21.7 32.5



#26
2,2-Dichloropropane
Concen: 42.282 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 77 Resp: 166555
Ion Ratio Lower Upper
77 100
97 24.1 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 50.998 ug/l

RT: 4.483 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

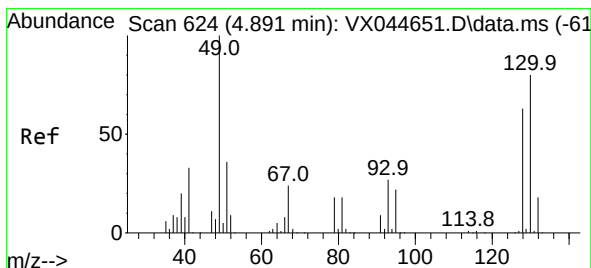
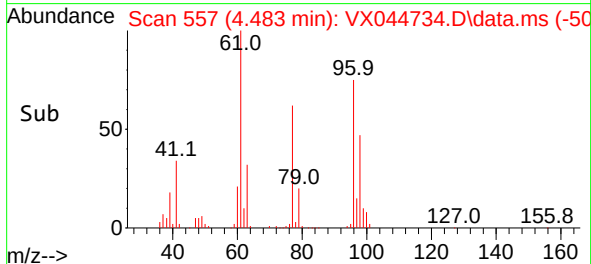
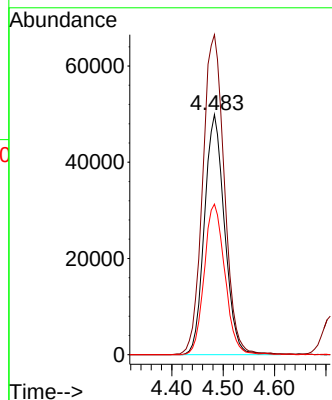
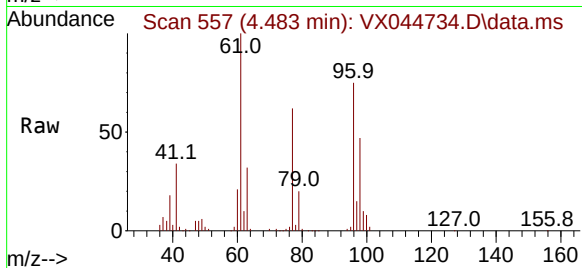
Tgt Ion: 96 Resp: 135627

Ion Ratio Lower Upper

96 100

61 143.5 0.0 296.0

98 64.0 0.0 130.0



#28

Bromochloromethane

Concen: 54.405 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

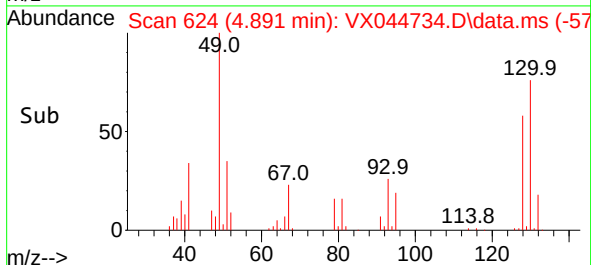
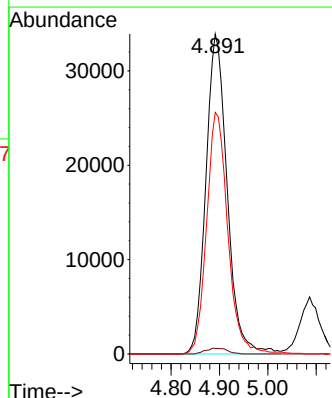
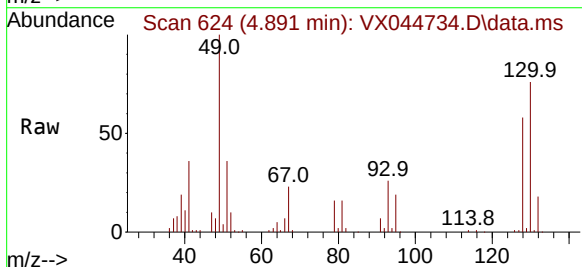
Tgt Ion: 49 Resp: 103327

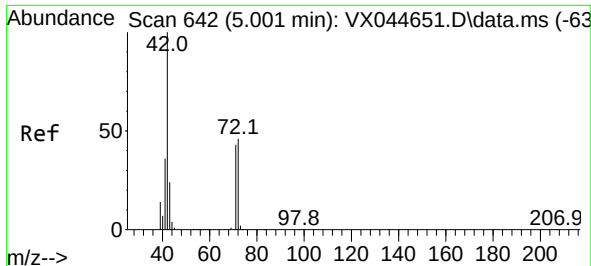
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.4

130 75.1 63.4 95.2





#29

Tetrahydrofuran

Concen: 279.917 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

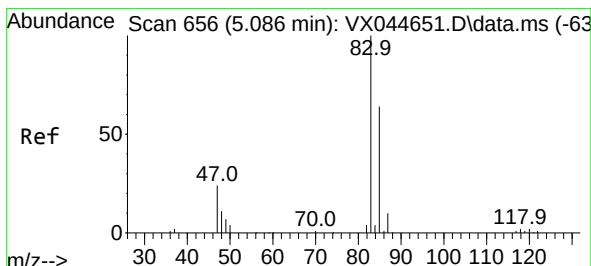
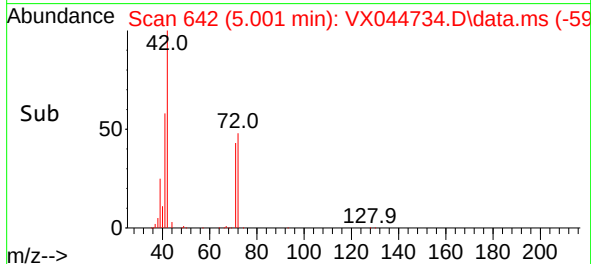
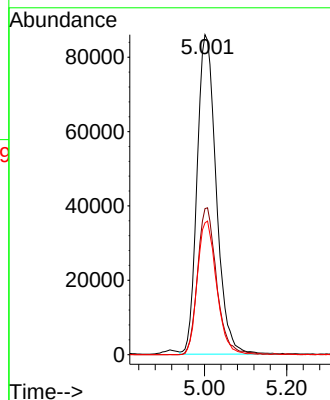
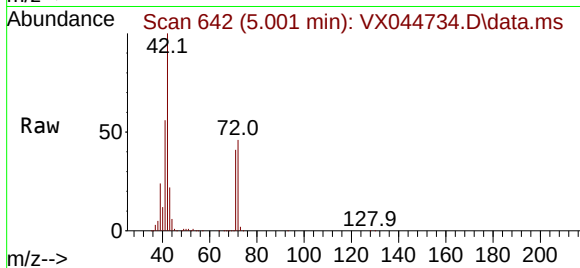
Tgt Ion: 42 Resp: 277269

Ion Ratio Lower Upper

42 100

72 46.0 38.2 57.4

71 42.1 35.3 52.9



#30

Chloroform

Concen: 50.629 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044734.D

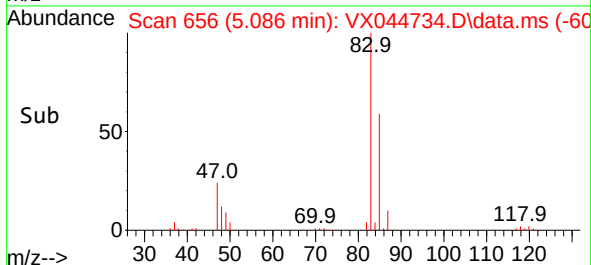
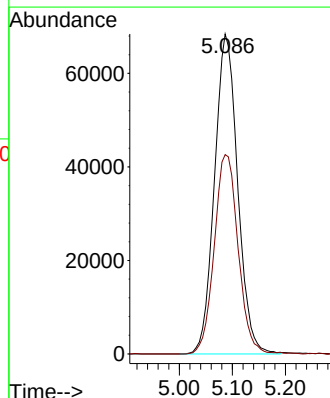
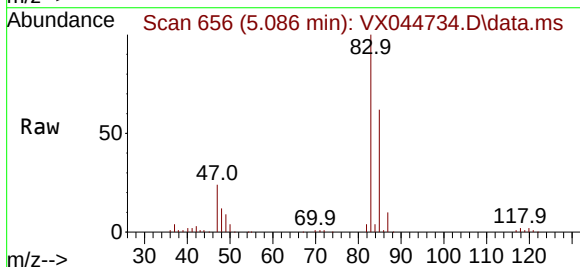
Acq: 27 Jan 2025 19:09

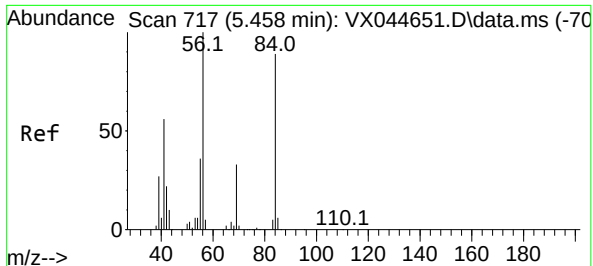
Tgt Ion: 83 Resp: 207669

Ion Ratio Lower Upper

83 100

85 62.3 51.2 76.8

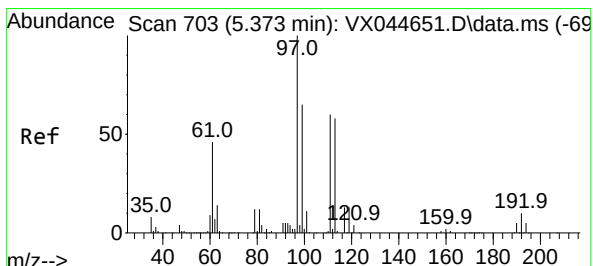
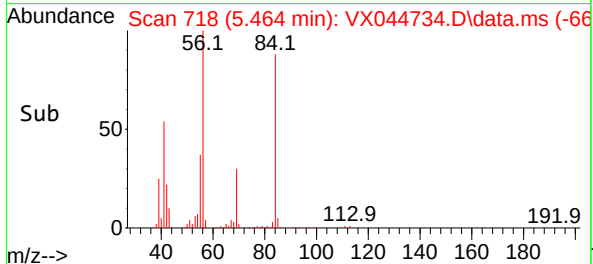
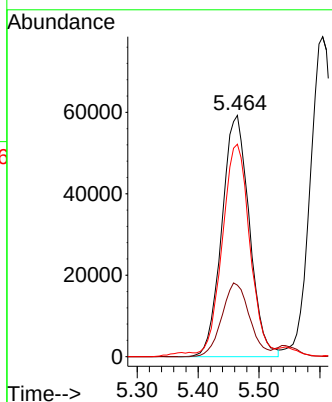
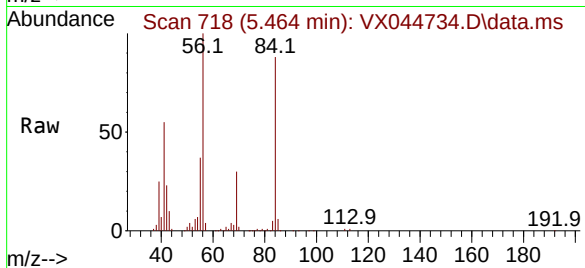




#31
Cyclohexane
Concen: 56.510 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

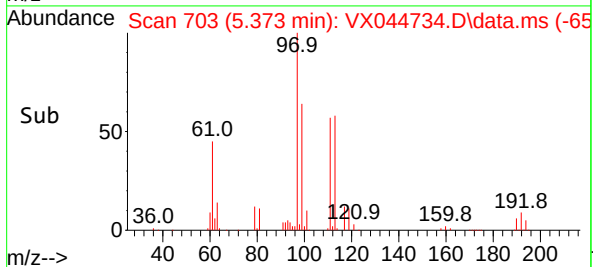
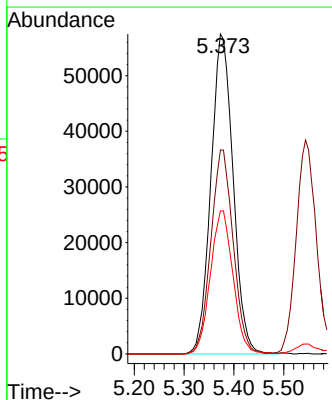
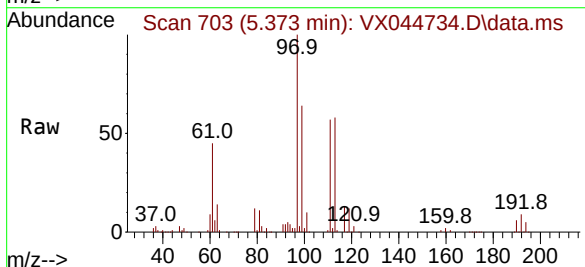
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

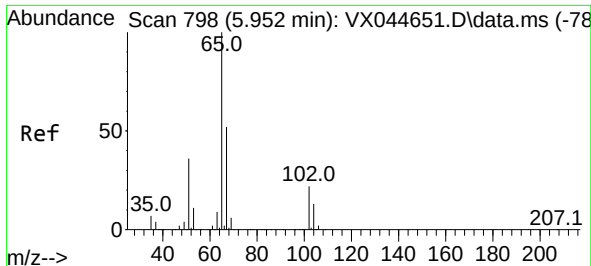
Tgt Ion: 56 Resp: 185760
Ion Ratio Lower Upper
56 100
69 29.6 26.8 40.2
84 86.4 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 47.142 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 97 Resp: 177763
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 45.6 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 47.199 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

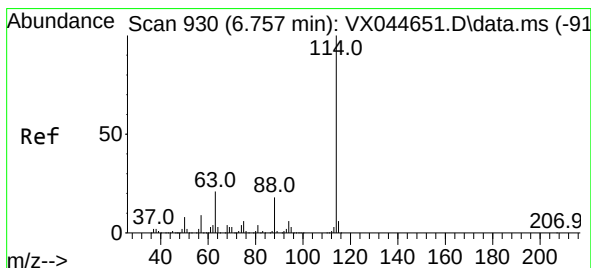
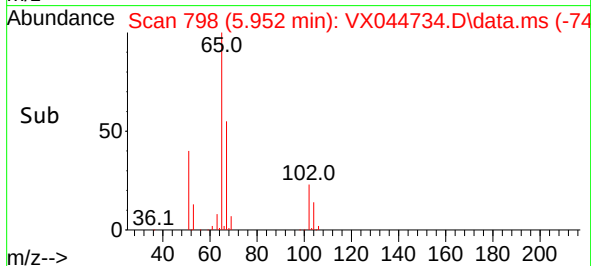
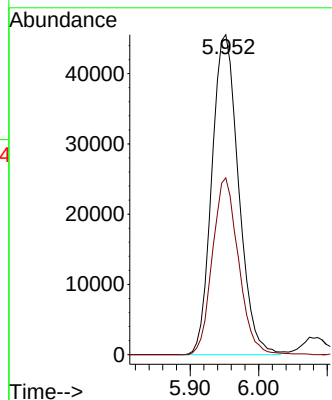
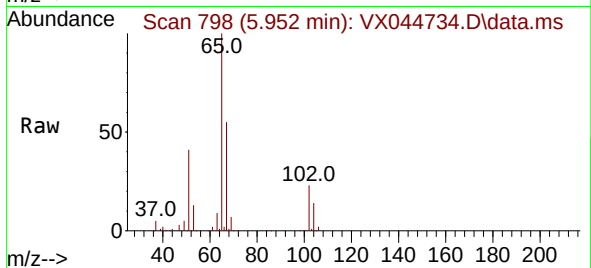
VSTDCCC050EC

Tgt Ion: 65 Resp: 123215

Ion Ratio Lower Upper

65 100

67 54.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

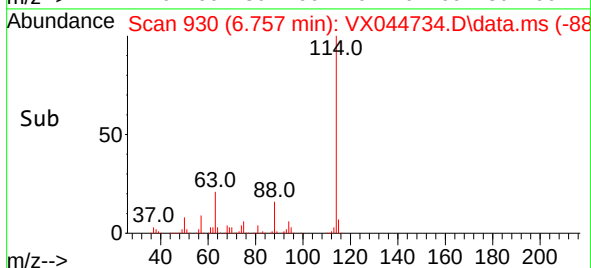
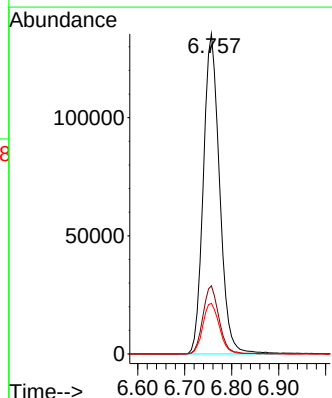
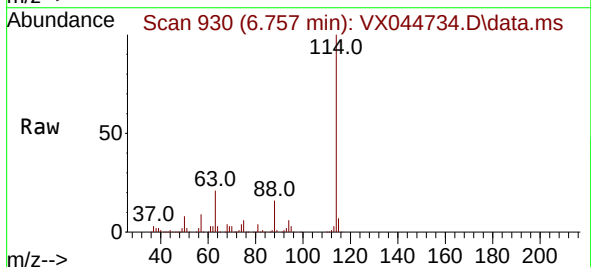
Tgt Ion: 114 Resp: 325756

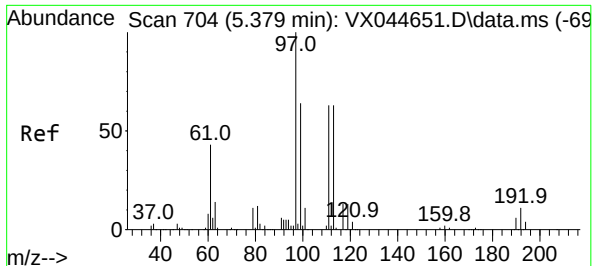
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.0

88 15.8 0.0 35.4

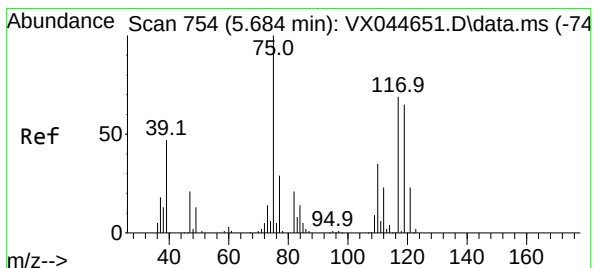
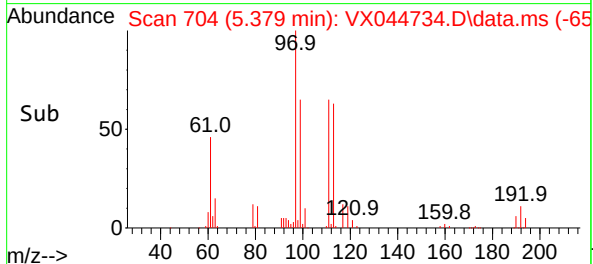
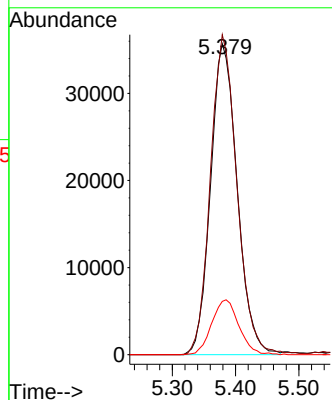
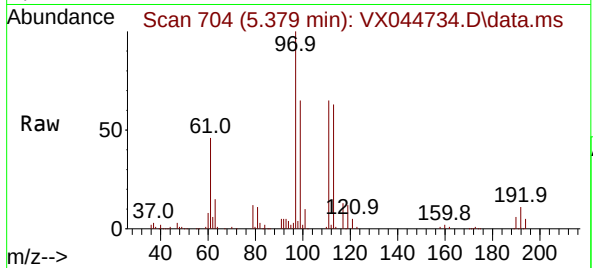




#35
Dibromofluoromethane
Concen: 50.447 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

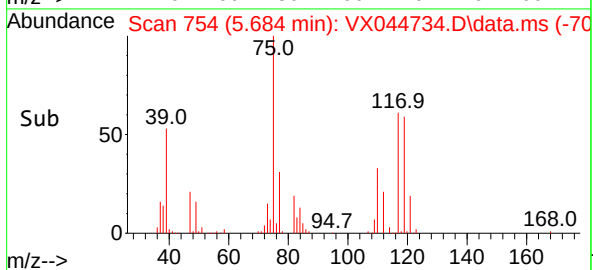
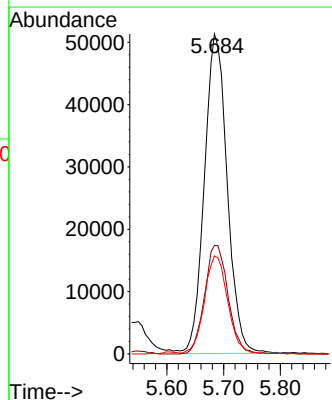
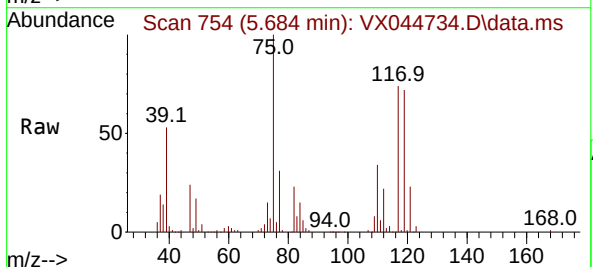
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

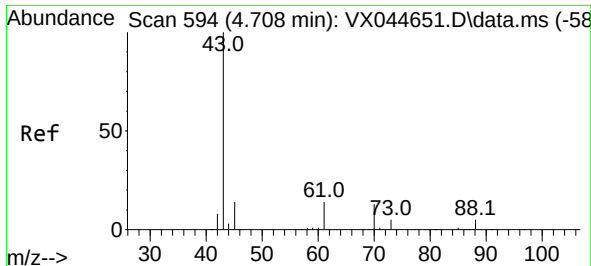
Tgt Ion:113 Resp: 104400
Ion Ratio Lower Upper
113 100
111 102.5 81.6 122.4
192 18.0 14.4 21.6



#36
1,1-Dichloropropene
Concen: 49.591 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 75 Resp: 142861
Ion Ratio Lower Upper
75 100
110 35.1 17.9 53.8
77 31.2 24.5 36.7





#37

Ethyl Acetate

Concen: 54.798 ug/l

RT: 4.714 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

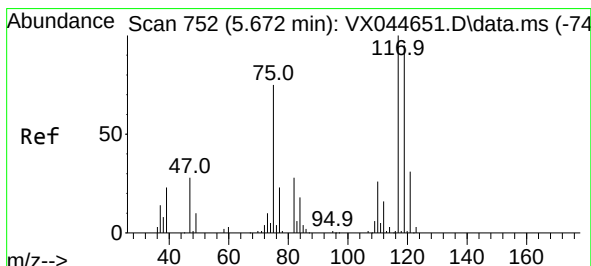
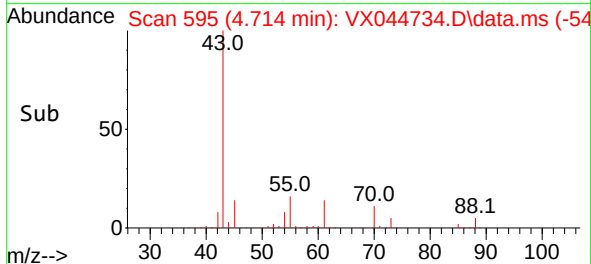
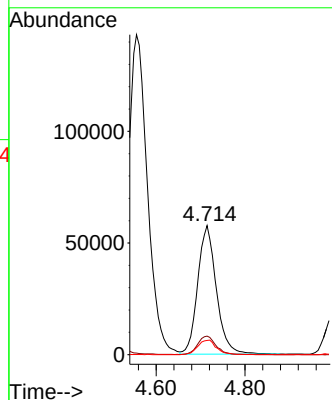
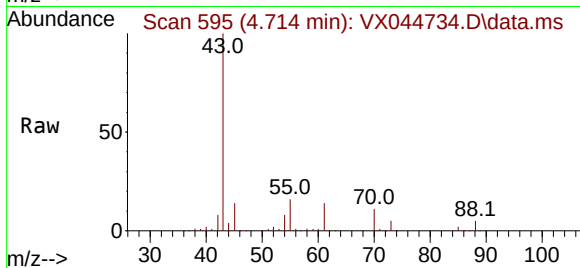
Tgt Ion: 43 Resp: 168109

Ion Ratio Lower Upper

43 100

61 13.7 10.9 16.3

70 11.5 10.1 15.1



#38

Carbon Tetrachloride

Concen: 46.468 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

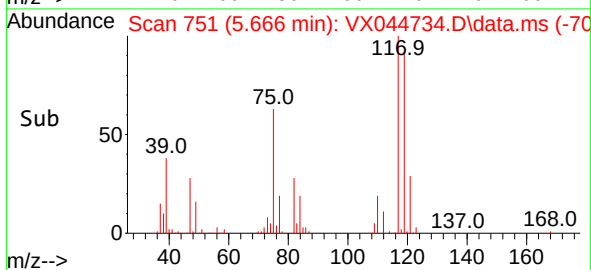
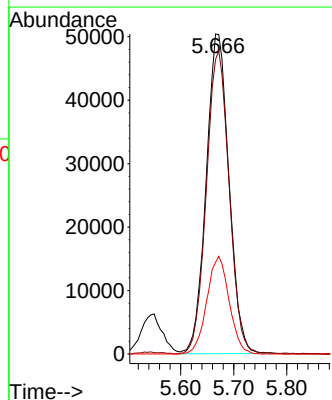
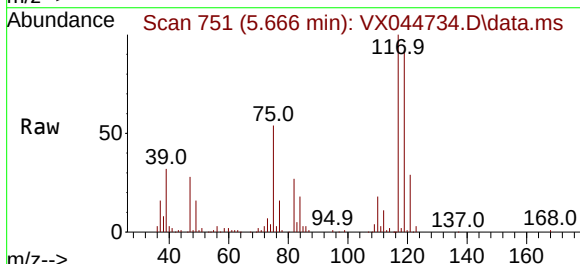
Tgt Ion: 117 Resp: 150574

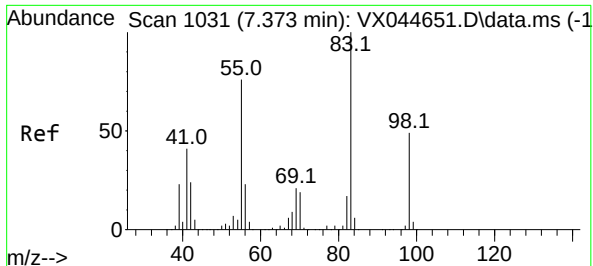
Ion Ratio Lower Upper

117 100

119 92.0 76.0 114.0

121 28.7 24.6 36.8





#39

Methylcyclohexane

Concen: 50.118 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

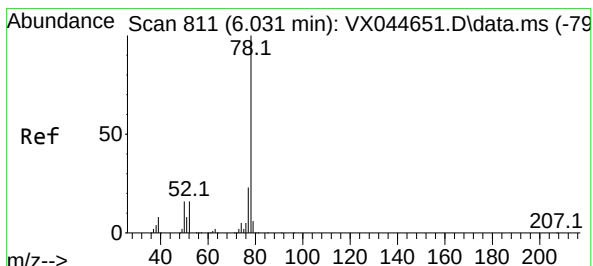
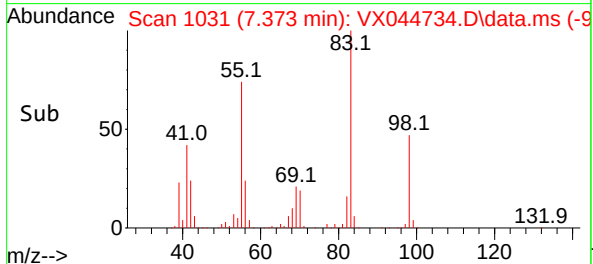
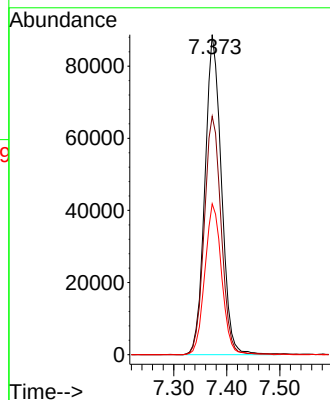
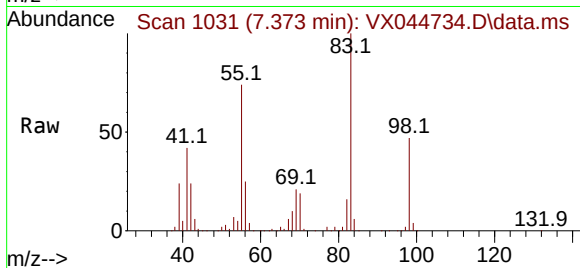
Tgt Ion: 83 Resp: 191661

Ion Ratio Lower Upper

83 100

55 74.5 60.5 90.7

98 47.2 39.0 58.4



#40

Benzene

Concen: 52.035 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044734.D

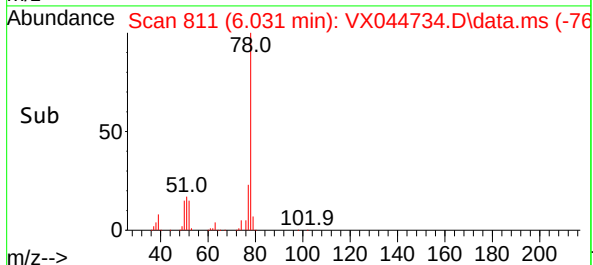
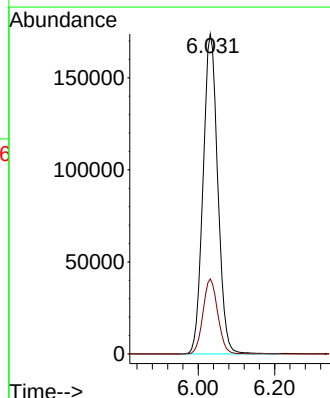
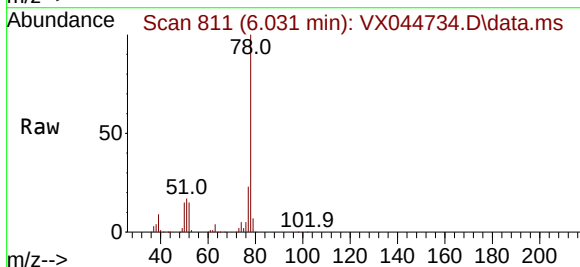
Acq: 27 Jan 2025 19:09

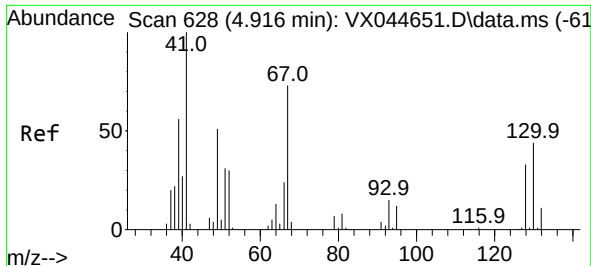
Tgt Ion: 78 Resp: 464502

Ion Ratio Lower Upper

78 100

77 23.4 18.7 28.1

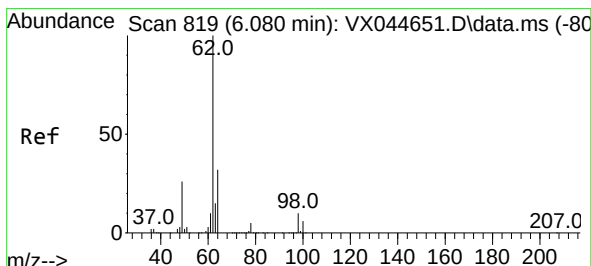
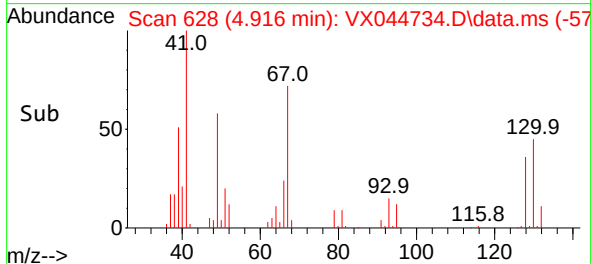
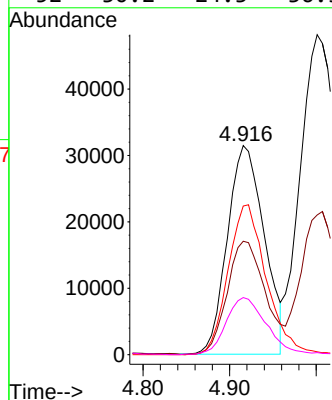
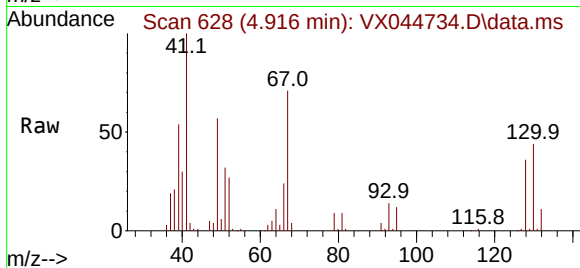




#41
Methacrylonitrile
Concen: 52.088 ug/l
RT: 4.916 min Scan# 611
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

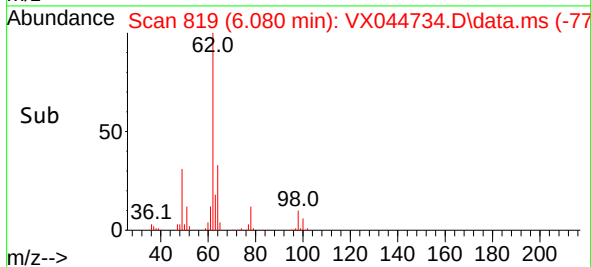
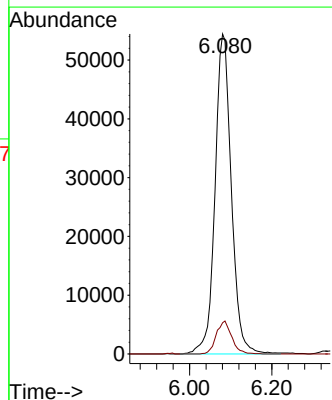
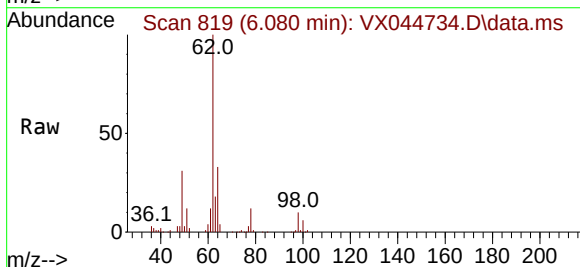
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

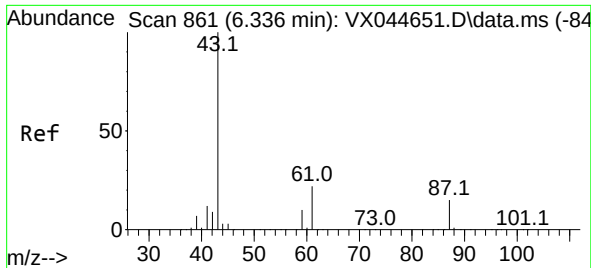
Tgt Ion:	41	Resp:	93115
Ion	Ratio	Lower	Upper
41	100		
39	57.0	44.4	66.6
67	74.6	60.6	90.8
52	30.2	24.3	36.5



#42
1,2-Dichloroethane
Concen: 46.037 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:	62	Resp:	149994
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4

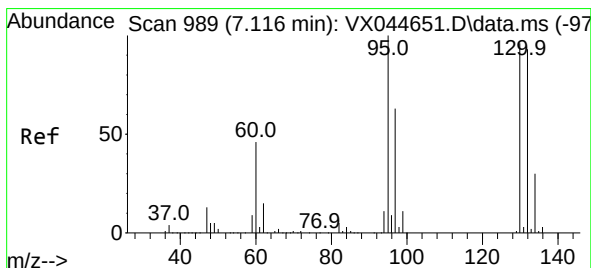
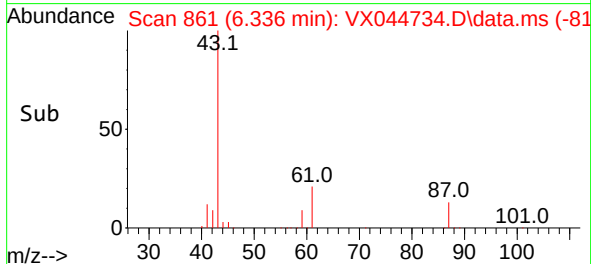
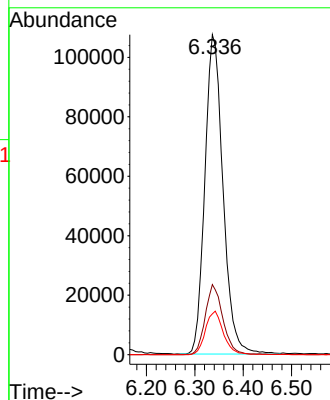
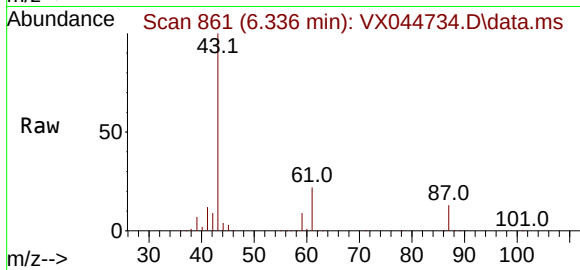




#43
Isopropyl Acetate
Concen: 49.636 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

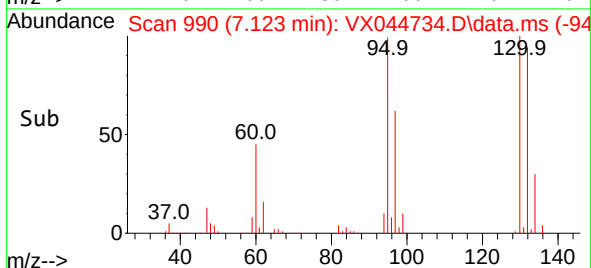
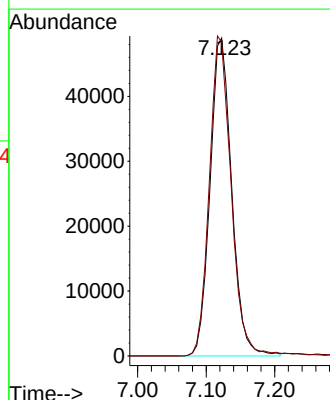
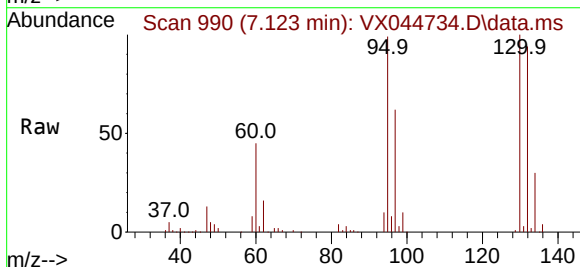
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

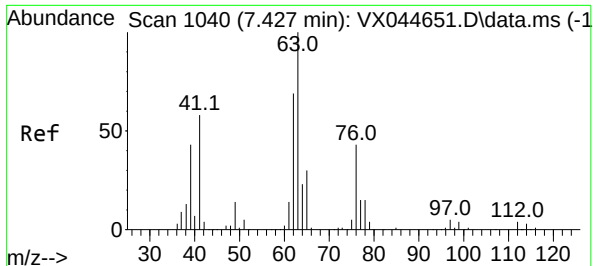
Tgt Ion: 43 Resp: 280126
Ion Ratio Lower Upper
43 100
61 21.4 16.6 24.8
87 13.5 11.0 16.6



#44
Trichloroethene
Concen: 49.981 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:130 Resp: 107262
Ion Ratio Lower Upper
130 100
95 98.7 0.0 208.2





#45

1,2-Dichloropropane

Concen: 52.217 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

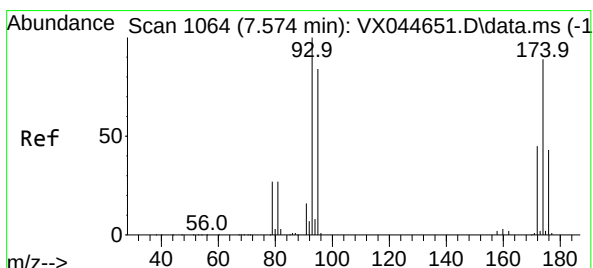
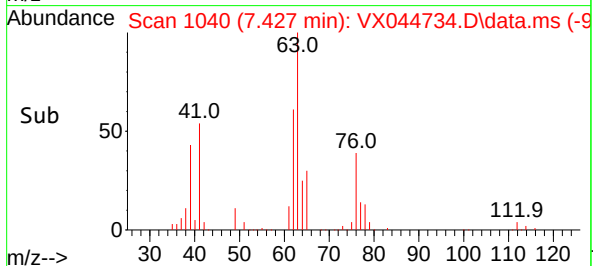
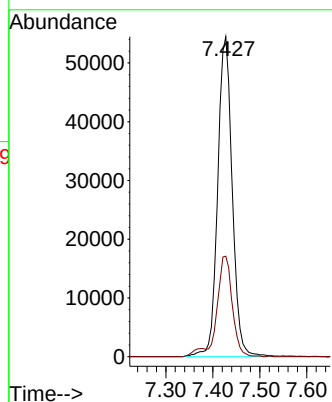
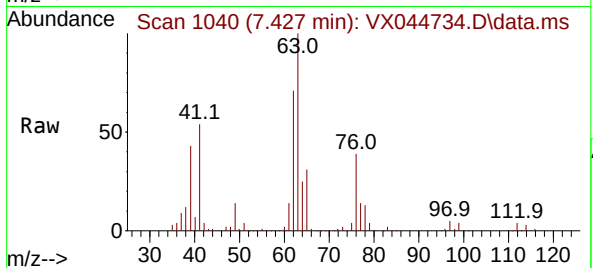
VSTDCCC050EC

Tgt Ion: 63 Resp: 117332

Ion Ratio Lower Upper

63 100

65 31.4 24.2 36.2



#46

Dibromomethane

Concen: 47.970 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

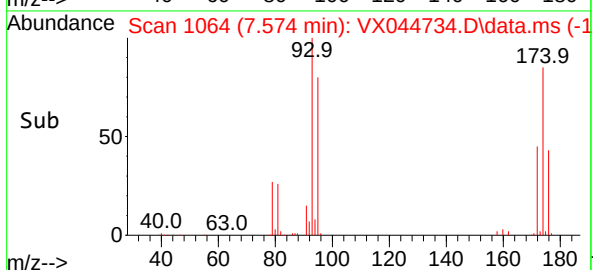
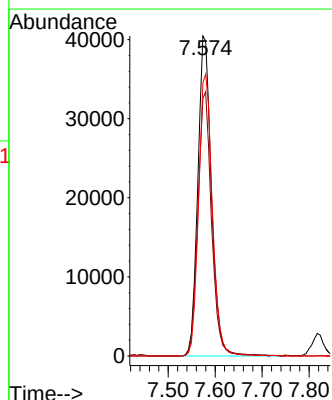
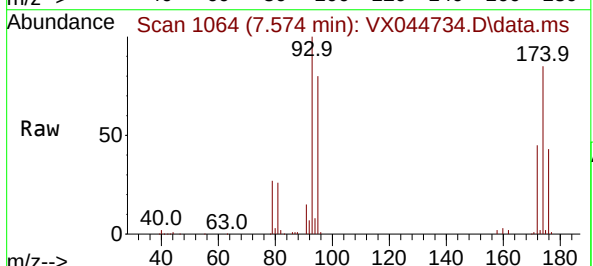
Tgt Ion: 93 Resp: 82056

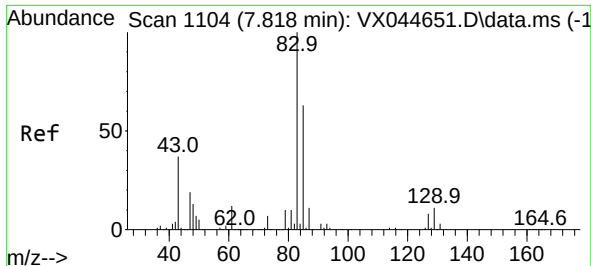
Ion Ratio Lower Upper

93 100

95 82.2 66.4 99.6

174 89.0 72.0 108.0

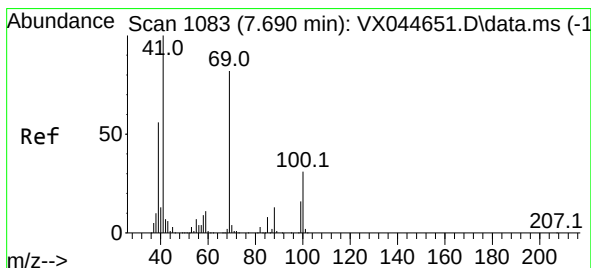
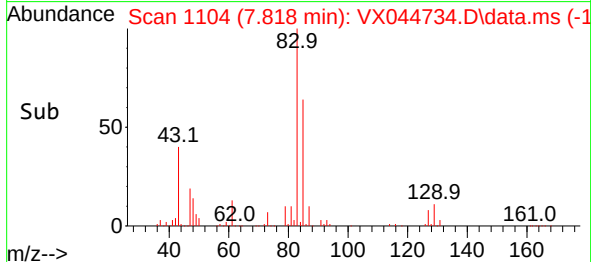
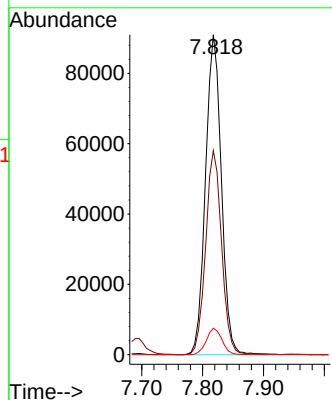
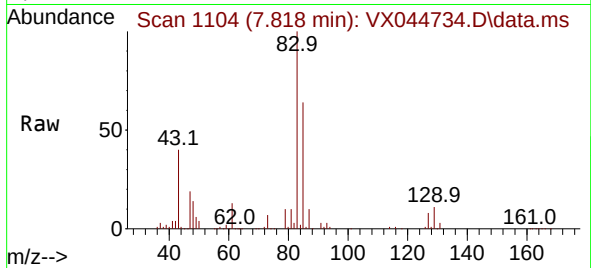




#47
Bromodichloromethane
Concen: 46.892 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

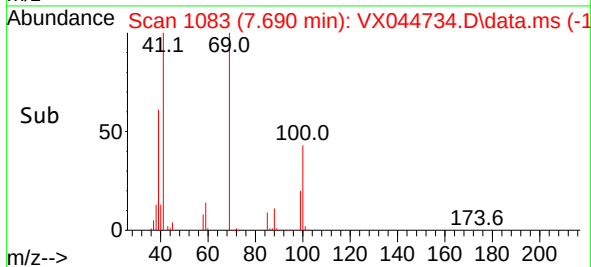
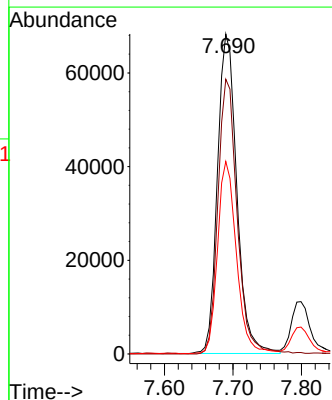
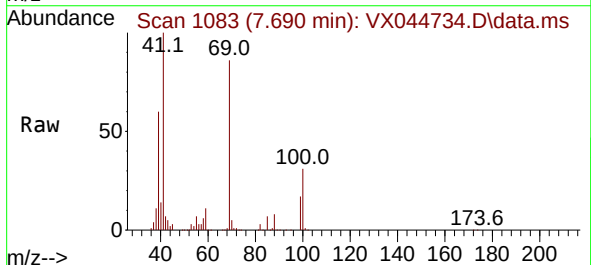
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

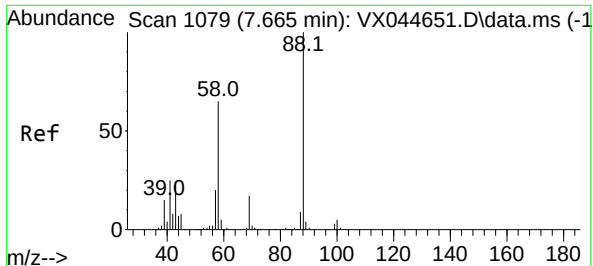
Tgt Ion: 83 Resp: 164495
Ion Ratio Lower Upper
83 100
85 63.8 50.1 75.1
127 8.2 6.5 9.7



#48
Methyl methacrylate
Concen: 51.021 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 41 Resp: 133656
Ion Ratio Lower Upper
41 100
69 85.5 66.8 100.2
39 58.5 47.4 71.0

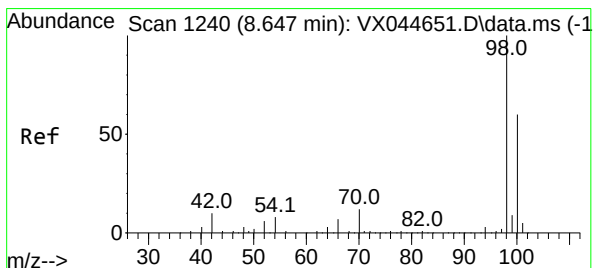
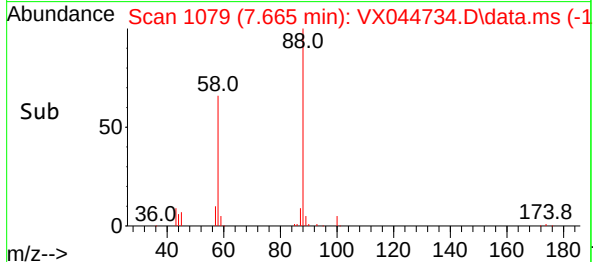
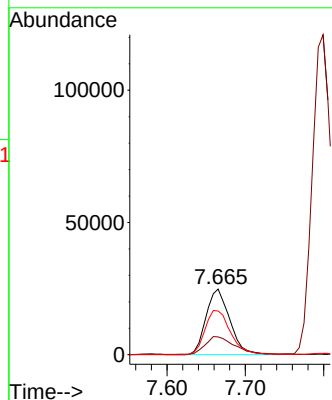
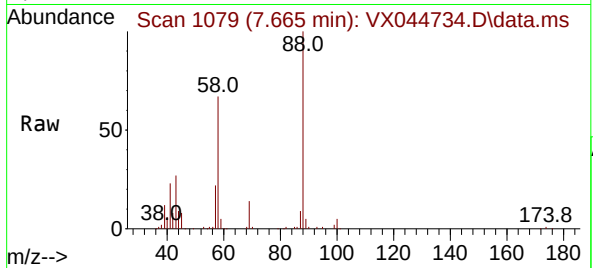




#49
1,4-Dioxane
Concen: 958.191 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

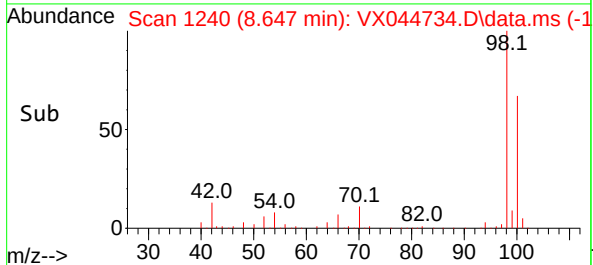
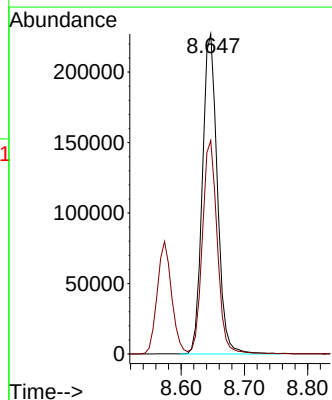
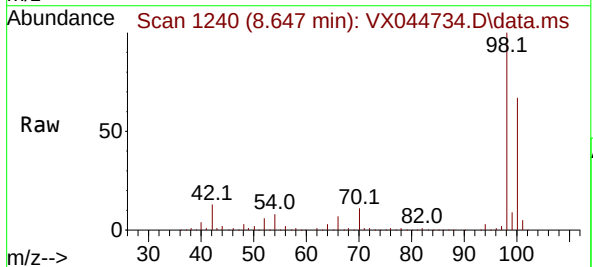
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

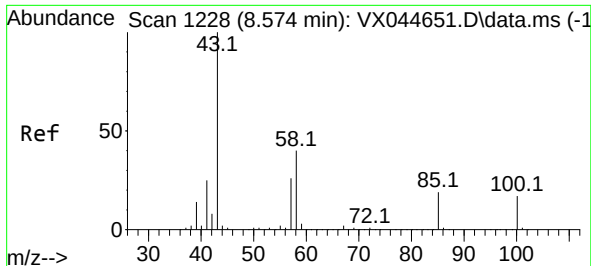
Tgt Ion: 88 Resp: 52370
Ion Ratio Lower Upper
88 100
43 32.8 27.0 40.4
58 72.4 55.8 83.8



#50
Toluene-d8
Concen: 51.838 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 98 Resp: 374057
Ion Ratio Lower Upper
98 100
100 66.3 53.2 79.8

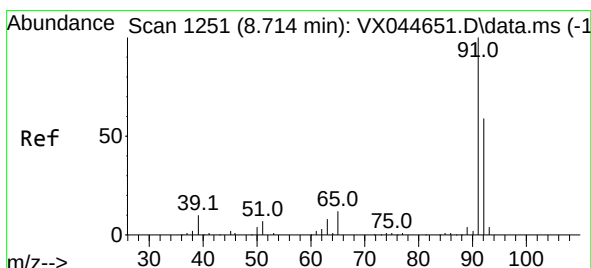
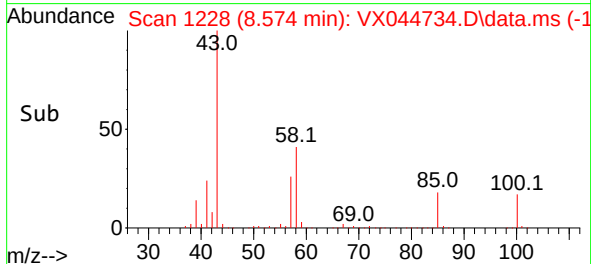
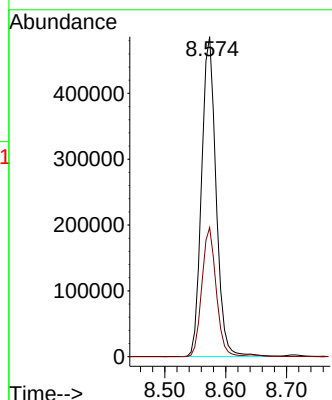
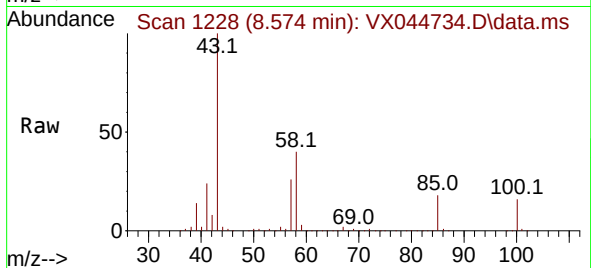




#51
4-Methyl-2-Pentanone
Concen: 258.036 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

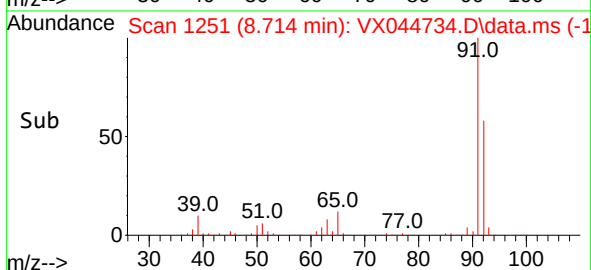
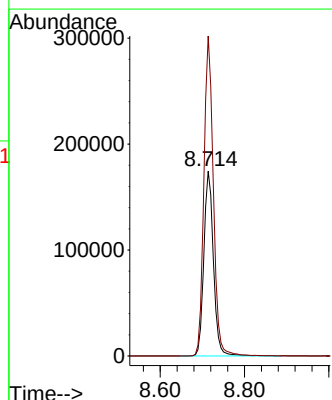
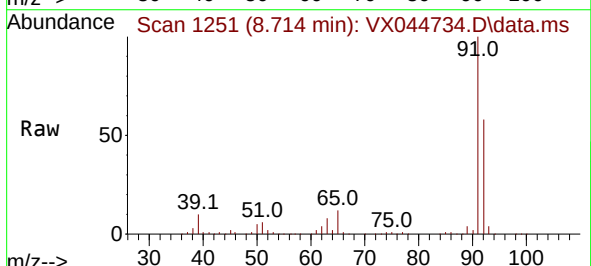
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

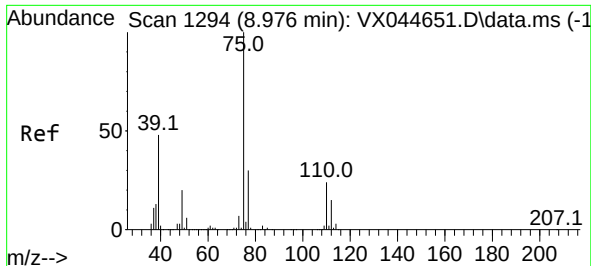
Tgt Ion: 43 Resp: 804760
Ion Ratio Lower Upper
43 100
58 39.6 31.9 47.9



#52
Toluene
Concen: 50.481 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 92 Resp: 275818
Ion Ratio Lower Upper
92 100
91 171.6 135.7 203.5

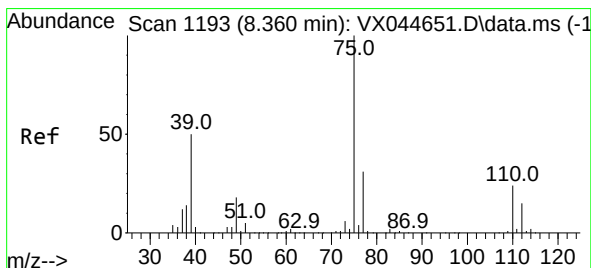
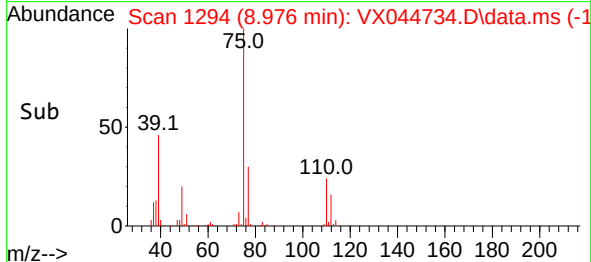
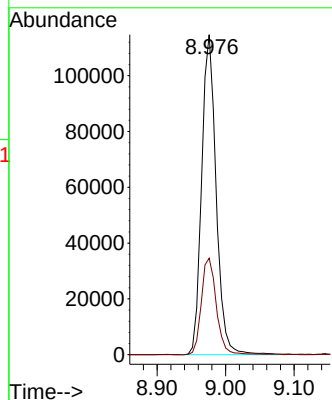
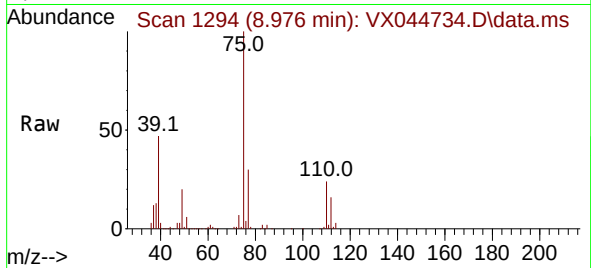




#53
 t-1,3-Dichloropropene
 Concen: 46.558 ug/l
 RT: 8.976 min Scan# 1294
 Delta R.T. 0.000 min
 Lab File: VX044734.D
 Acq: 27 Jan 2025 19:09

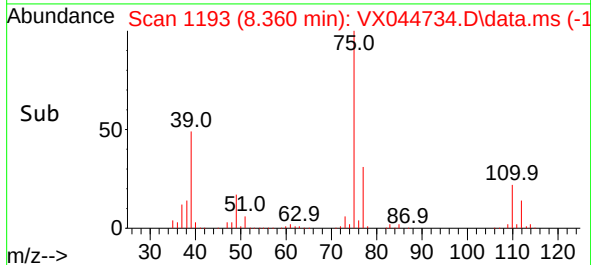
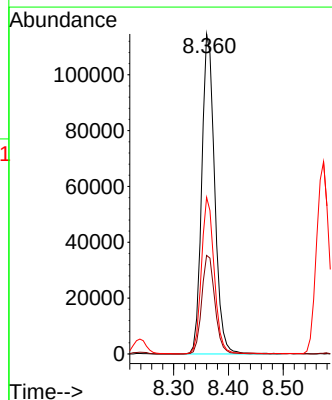
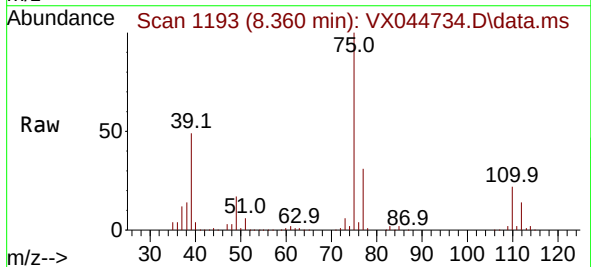
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

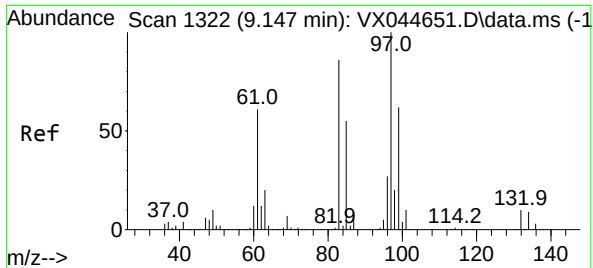
Tgt Ion: 75 Resp: 168742
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.4 36.6



#54
 cis-1,3-Dichloropropene
 Concen: 47.685 ug/l
 RT: 8.360 min Scan# 1193
 Delta R.T. 0.000 min
 Lab File: VX044734.D
 Acq: 27 Jan 2025 19:09

Tgt Ion: 75 Resp: 187397
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.1 37.7
 39 48.9 40.3 60.5

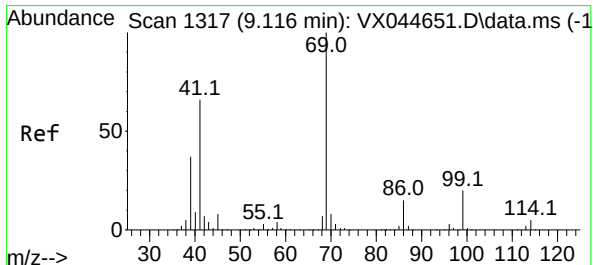
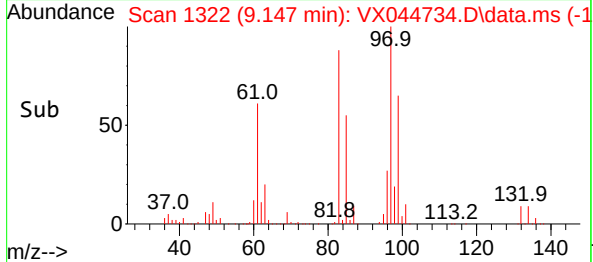
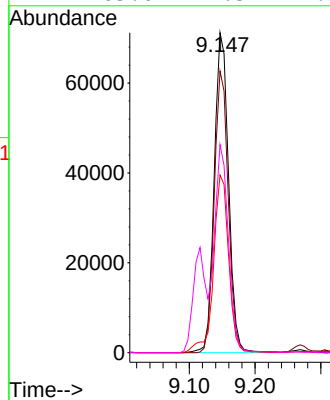
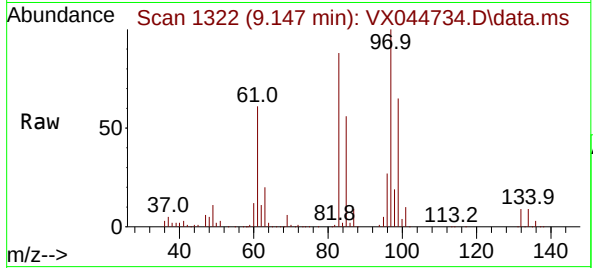




#55
1,1,2-Trichloroethane
Concen: 48.870 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

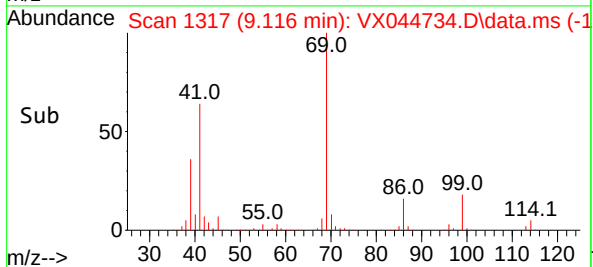
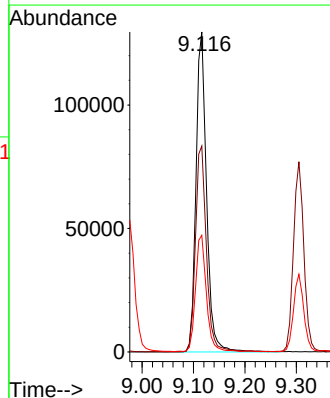
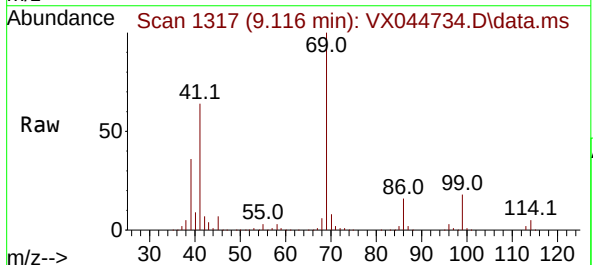
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

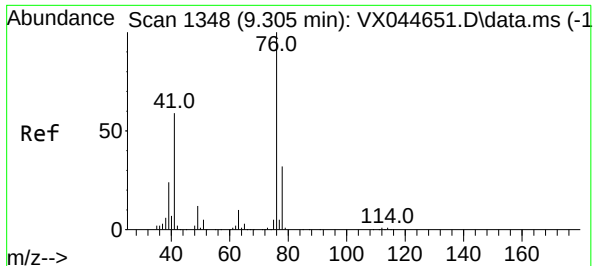
Tgt Ion:	97	Resp:	108031
Ion	Ratio	Lower	Upper
97	100		
83	88.0	68.8	103.2
85	55.6	43.7	65.5
99	65.0	49.5	74.3



#56
Ethyl methacrylate
Concen: 48.786 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:	69	Resp:	185430
Ion	Ratio	Lower	Upper
69	100		
41	66.7	53.2	79.8
39	37.3	30.2	45.2





#57

1,3-Dichloropropane

Concen: 49.168 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

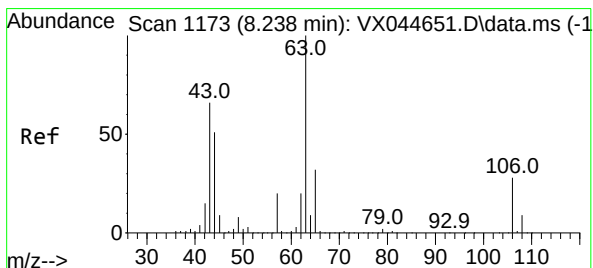
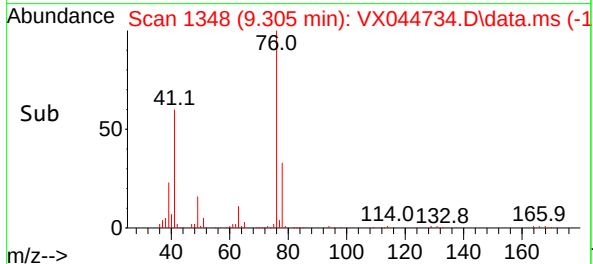
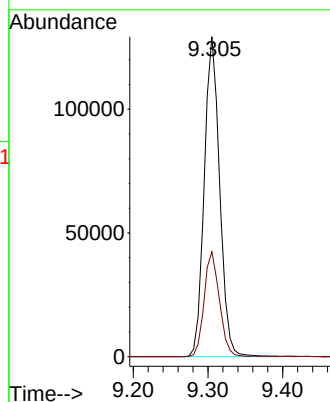
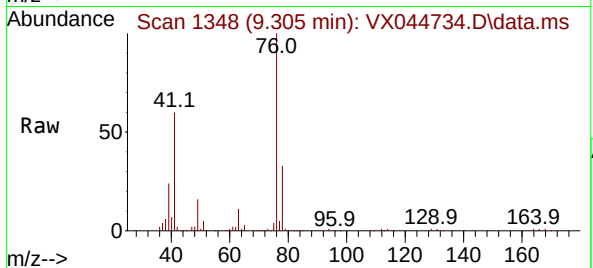
VSTDCCC050EC

Tgt Ion: 76 Resp: 185086

Ion Ratio Lower Upper

76 100

78 32.6 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 223.982 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044734.D

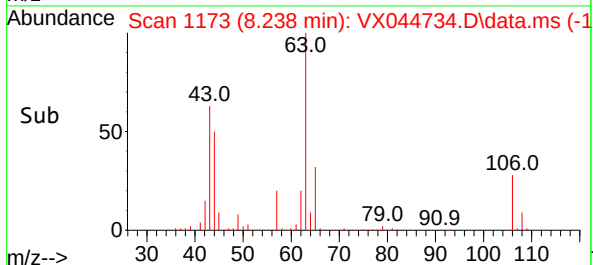
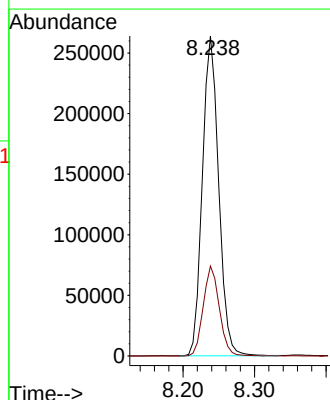
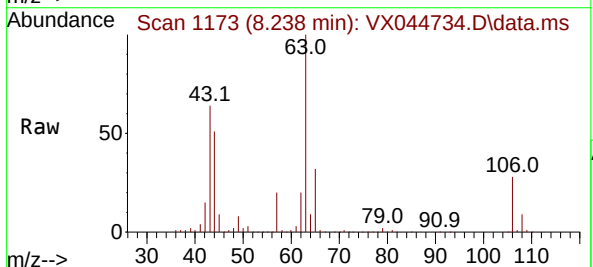
Acq: 27 Jan 2025 19:09

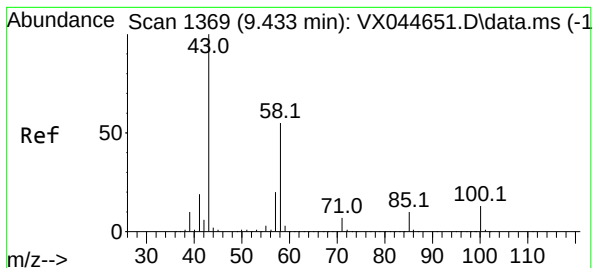
Tgt Ion: 63 Resp: 417955

Ion Ratio Lower Upper

63 100

106 27.7 23.0 34.6





#59

2-Hexanone

Concen: 256.939 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.006 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

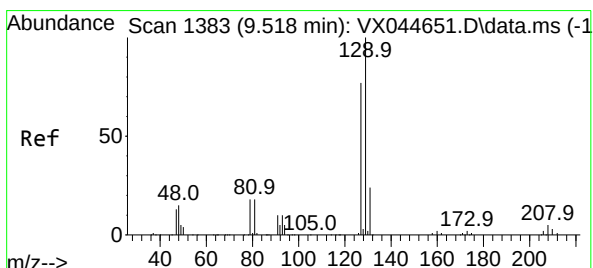
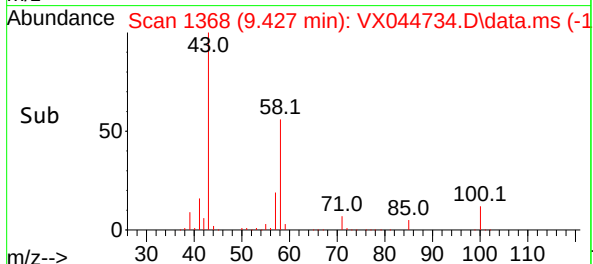
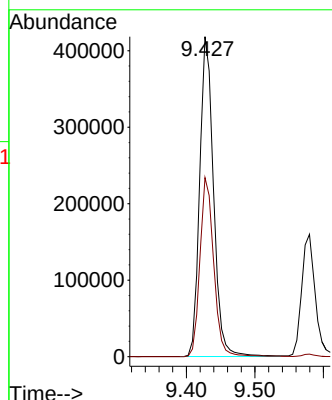
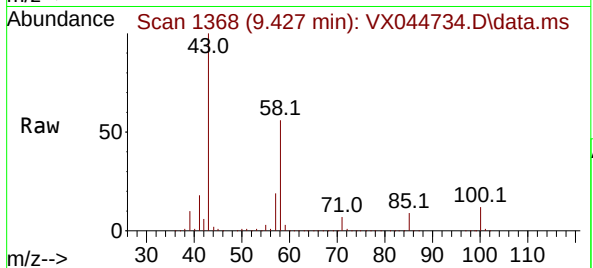
VSTDCCC050EC

Tgt Ion: 43 Resp: 589548

Ion Ratio Lower Upper

43 100

58 55.8 27.8 83.3



#60

Dibromochloromethane

Concen: 46.299 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044734.D

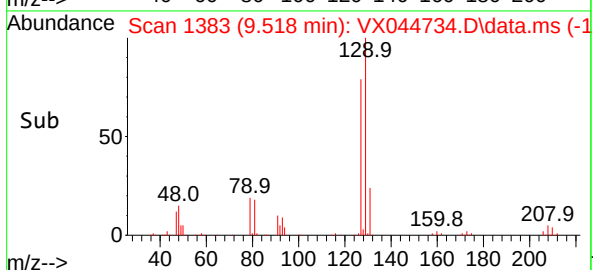
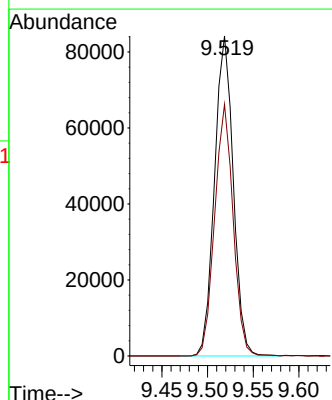
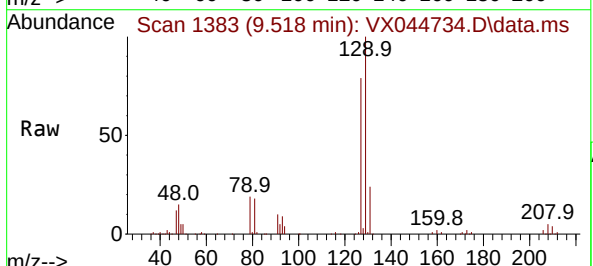
Acq: 27 Jan 2025 19:09

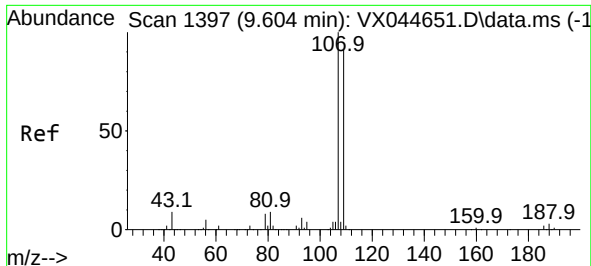
Tgt Ion: 129 Resp: 120124

Ion Ratio Lower Upper

129 100

127 77.4 38.5 115.5

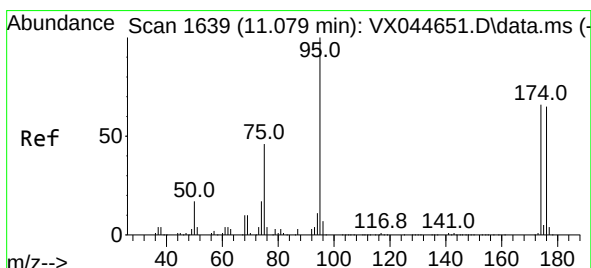
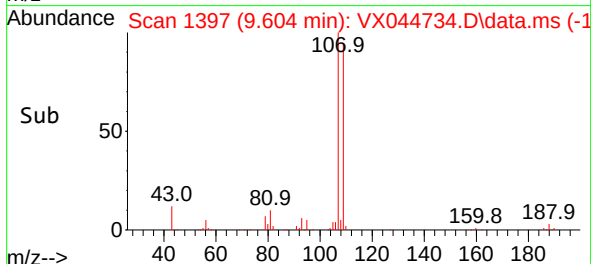
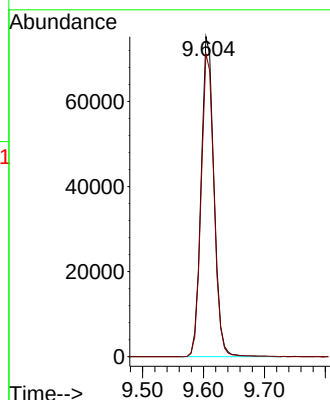
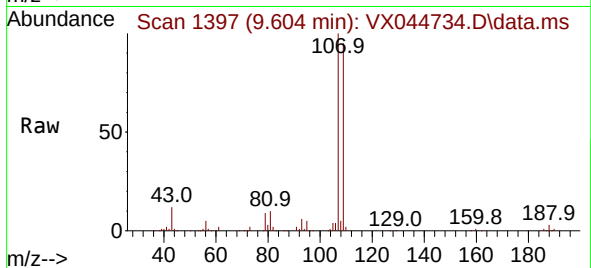




#61
1,2-Dibromoethane
Concen: 47.644 ug/l
RT: 9.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

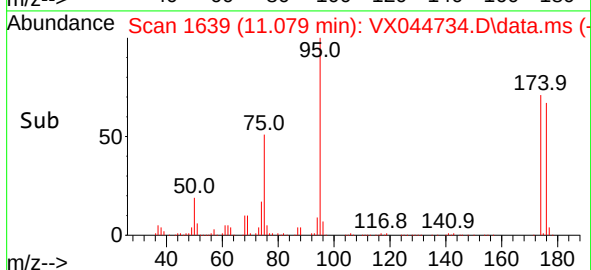
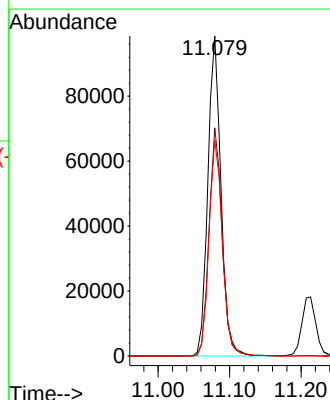
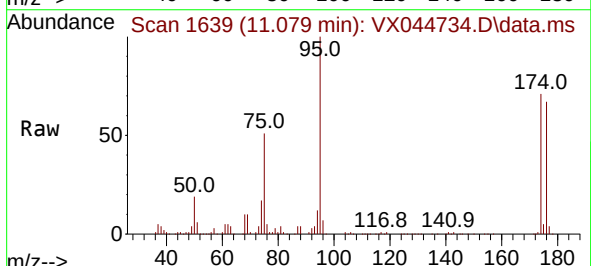
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

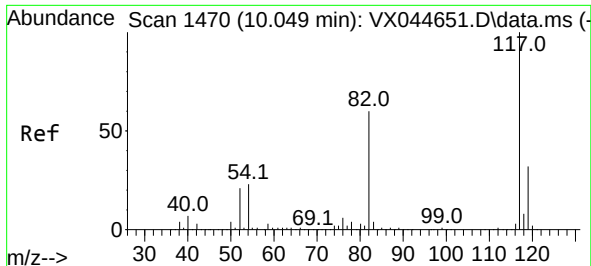
Tgt Ion:107 Resp: 110375
Ion Ratio Lower Upper
107 100
109 94.6 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 46.714 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 95 Resp: 125660
Ion Ratio Lower Upper
95 100
174 71.5 0.0 133.0
176 68.7 0.0 129.4

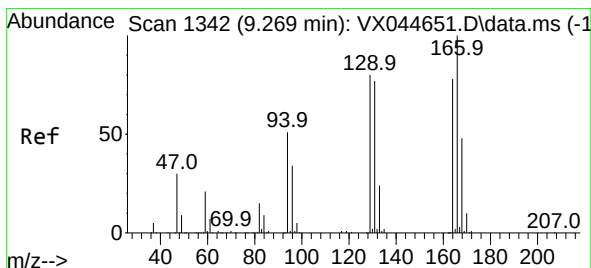
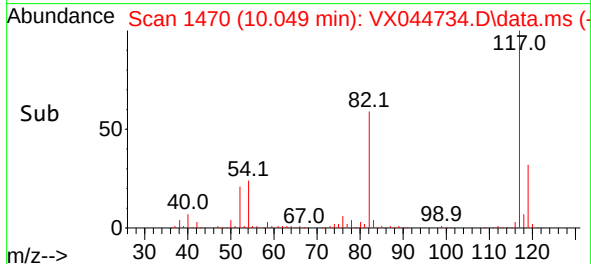
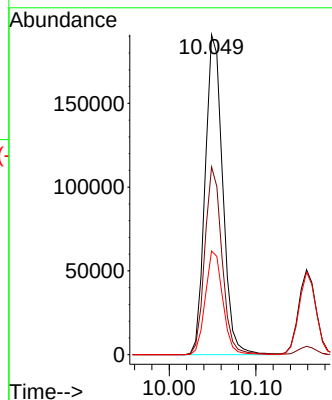
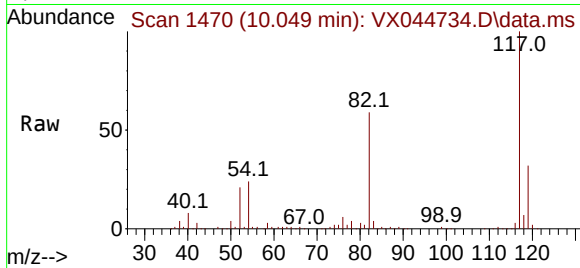




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

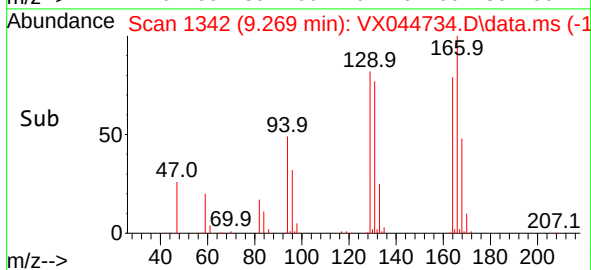
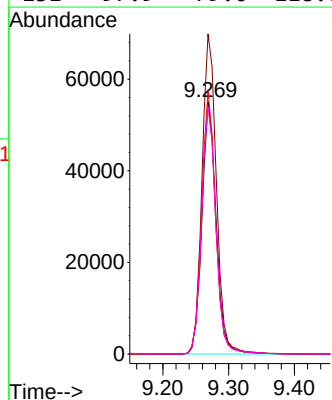
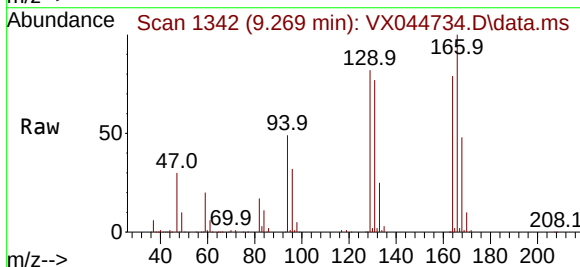
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

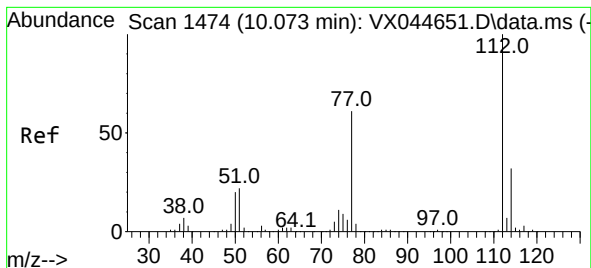
Tgt Ion:117 Resp: 269229
Ion Ratio Lower Upper
117 100
82 58.7 47.6 71.4
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 48.921 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:164 Resp: 82704
Ion Ratio Lower Upper
164 100
166 126.8 102.0 153.0
129 104.0 81.1 121.7
131 97.9 79.0 118.6

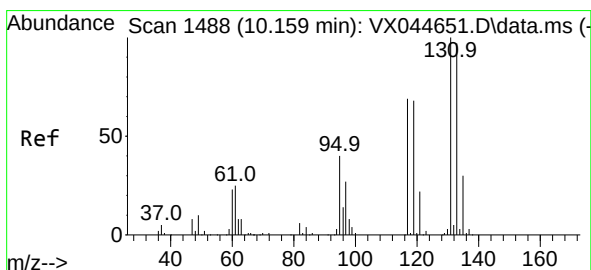
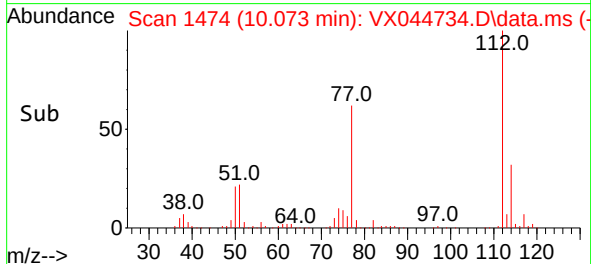
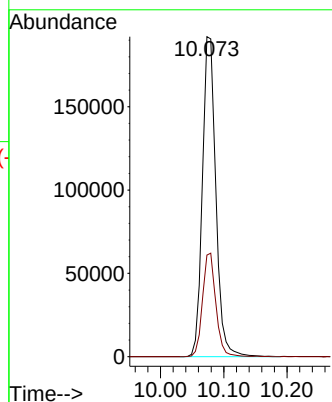
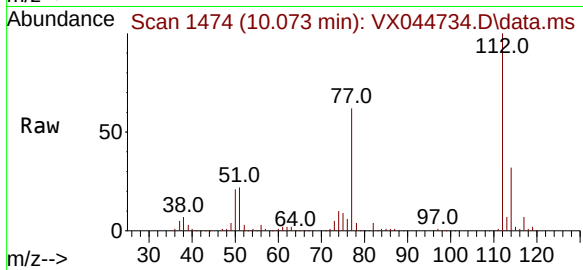




#65
Chlorobenzene
Concen: 49.886 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

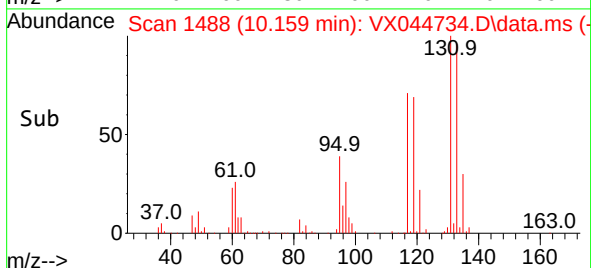
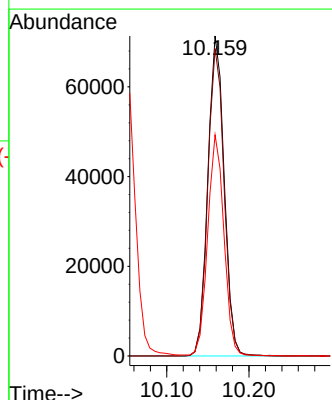
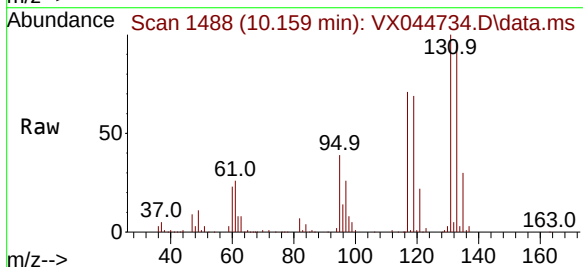
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

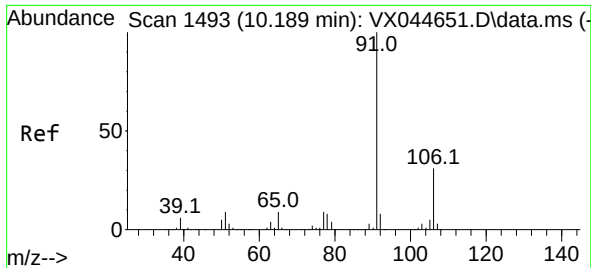
Tgt Ion:112 Resp: 285275
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 47.492 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:131 Resp: 98702
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.3
119 68.7 33.4 100.2





#67

Ethyl Benzene

Concen: 50.924 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

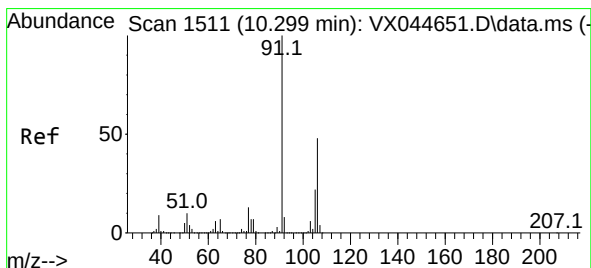
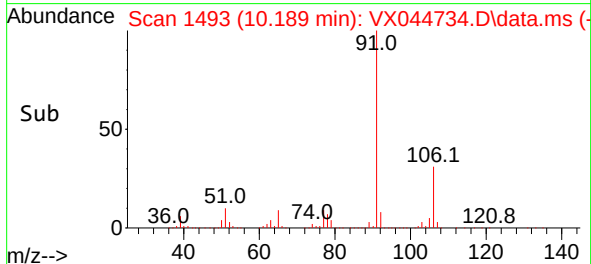
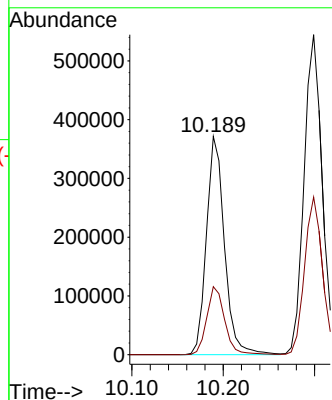
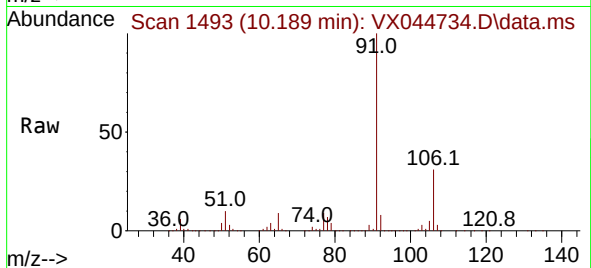
VSTDCCC050EC

Tgt Ion: 91 Resp: 508128

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.6



#68

m/p-Xylenes

Concen: 101.518 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044734.D

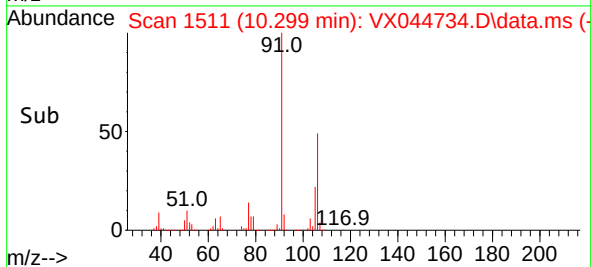
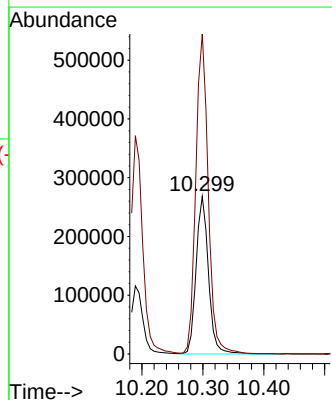
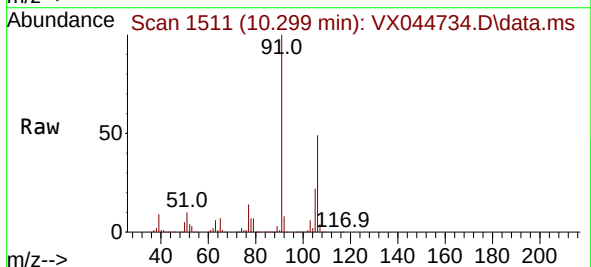
Acq: 27 Jan 2025 19:09

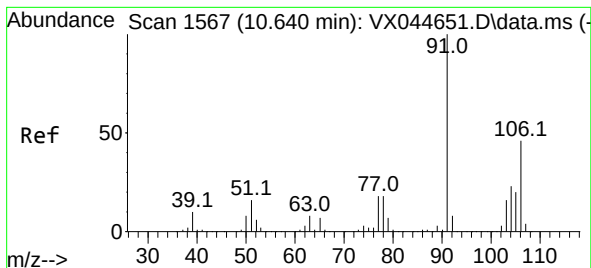
Tgt Ion: 106 Resp: 375897

Ion Ratio Lower Upper

106 100

91 204.5 166.4 249.6





#69

o-Xylene

Concen: 49.864 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

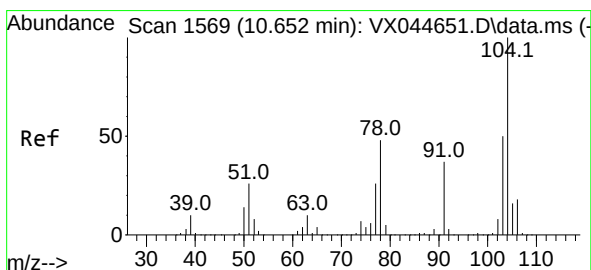
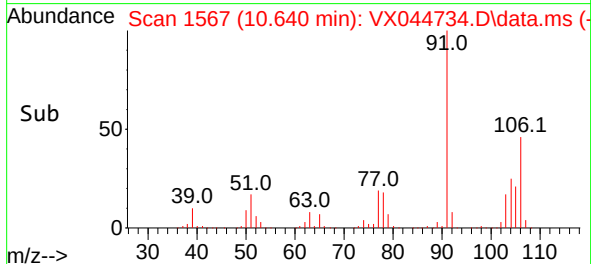
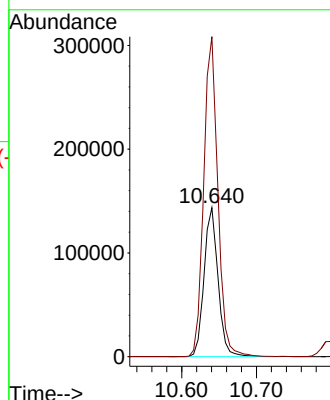
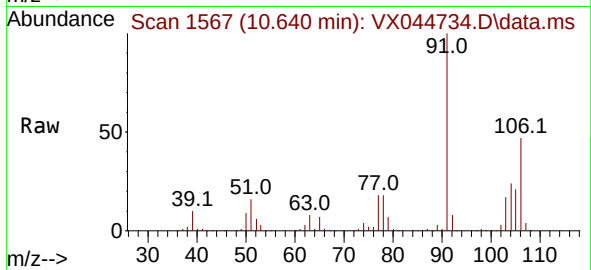
VSTDCCC050EC

Tgt Ion:106 Resp: 186721

Ion Ratio Lower Upper

106 100

91 216.3 108.7 326.3



#70

Styrene

Concen: 50.666 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

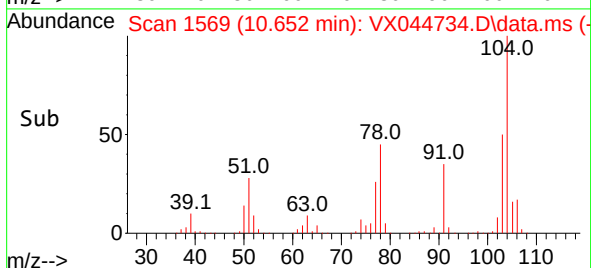
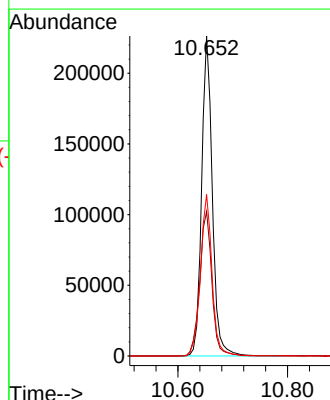
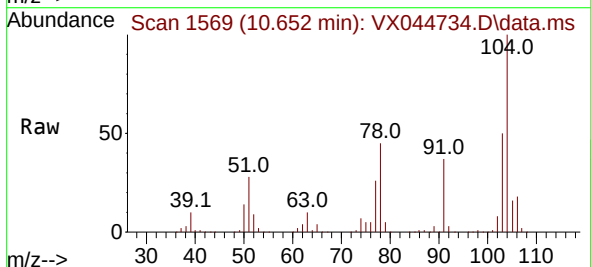
Tgt Ion:104 Resp: 306315

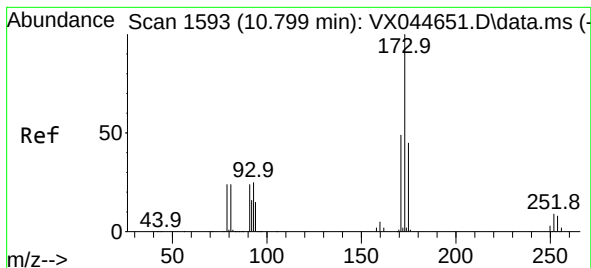
Ion Ratio Lower Upper

104 100

78 51.5 43.0 64.6

103 54.8 43.4 65.2





#71

Bromoform

Concen: 46.525 ug/l

RT: 10.799 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

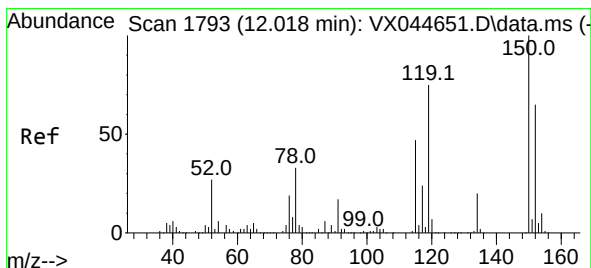
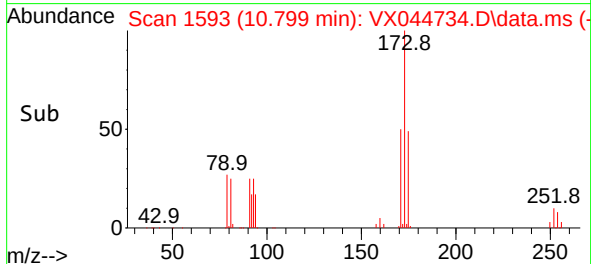
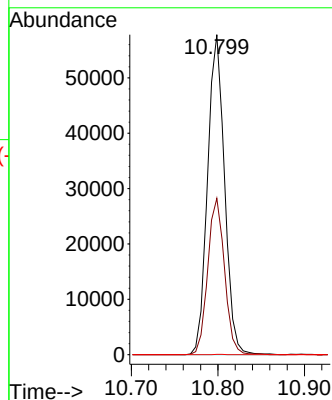
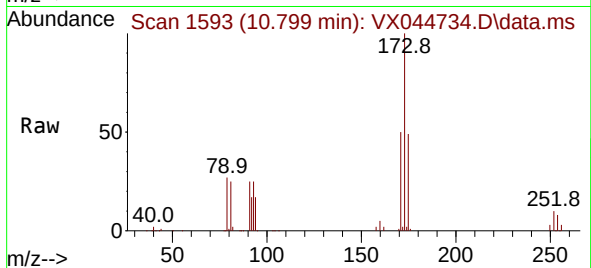
Tgt Ion:173 Resp: 78698

Ion Ratio Lower Upper

173 100

175 48.3 23.6 70.8

254 0.1 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

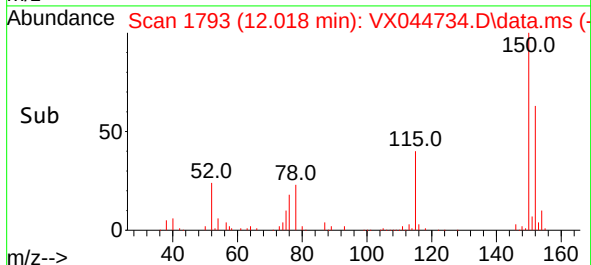
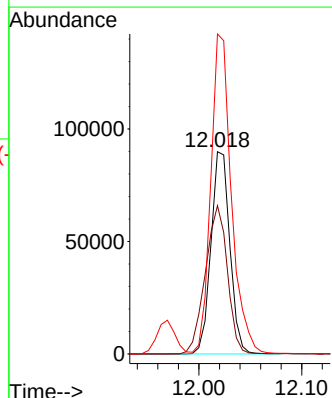
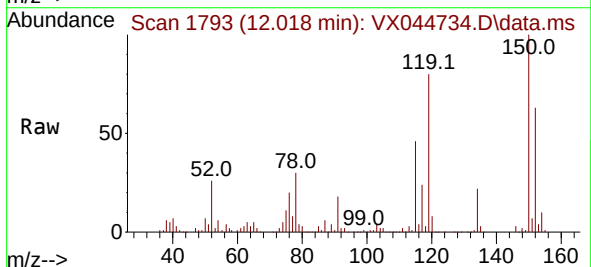
Tgt Ion:152 Resp: 114515

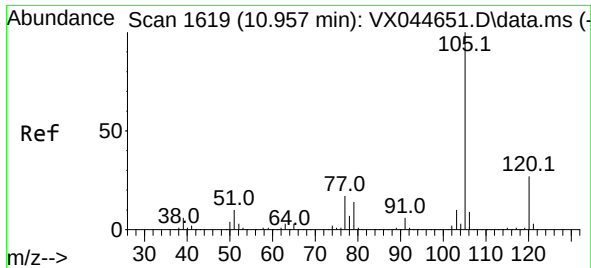
Ion Ratio Lower Upper

152 100

115 85.9 43.8 131.4

150 173.0 0.0 347.8

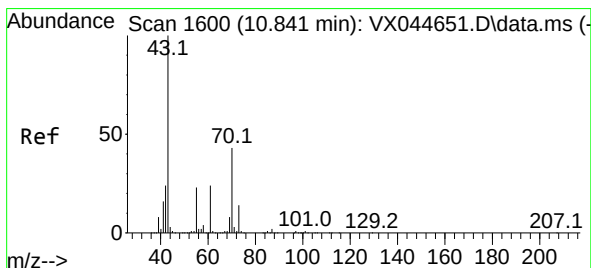
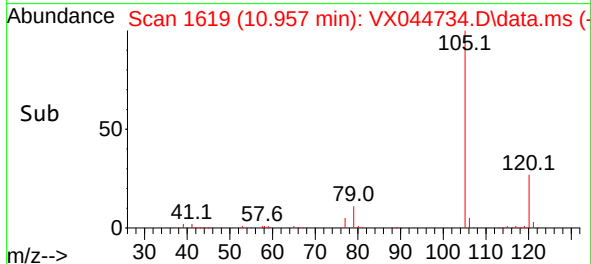
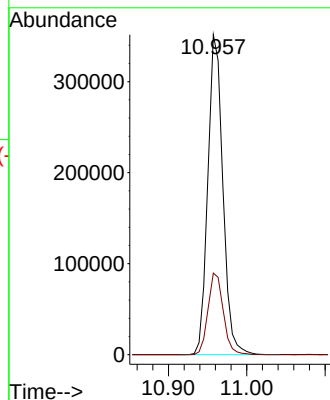
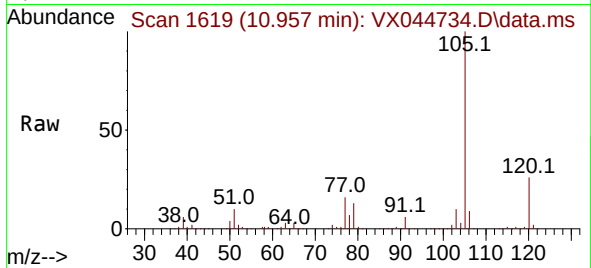




#73
Isopropylbenzene
Concen: 49.995 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

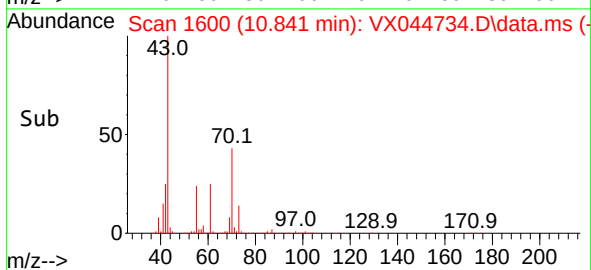
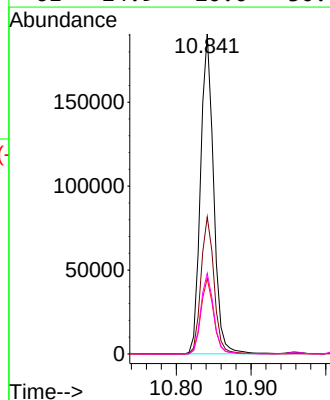
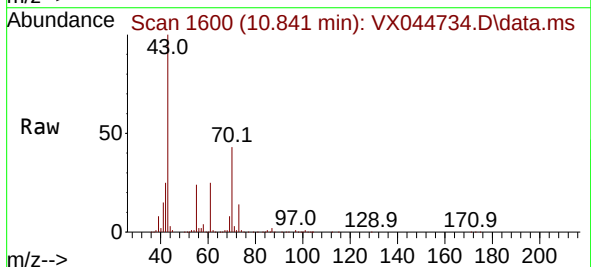
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

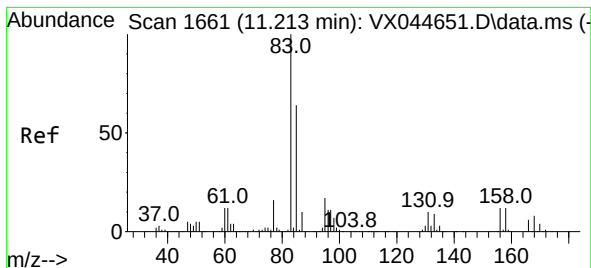
Tgt Ion:105 Resp: 467702
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.6



#74
N-ethyl acetate
Concen: 50.050 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 43 Resp: 230784
Ion Ratio Lower Upper
43 100
70 43.0 35.2 52.8
55 23.3 19.0 28.4
61 24.9 20.0 30.0

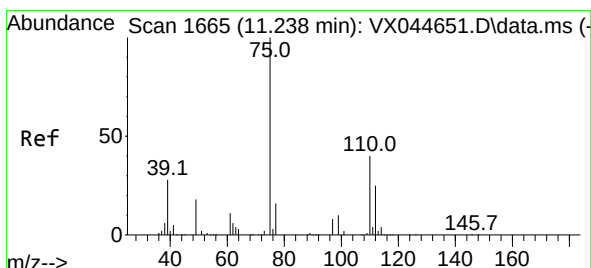
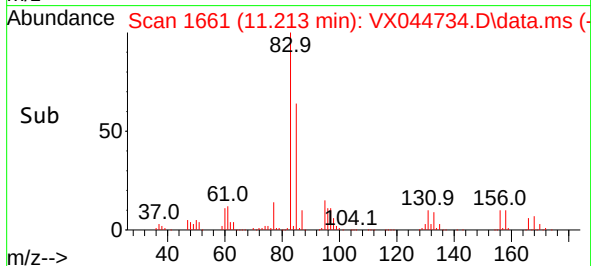
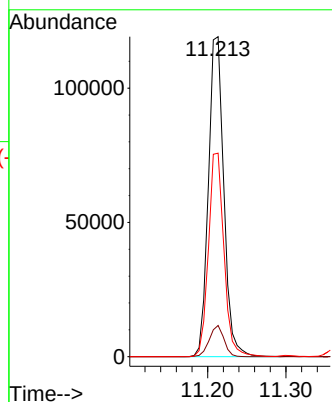
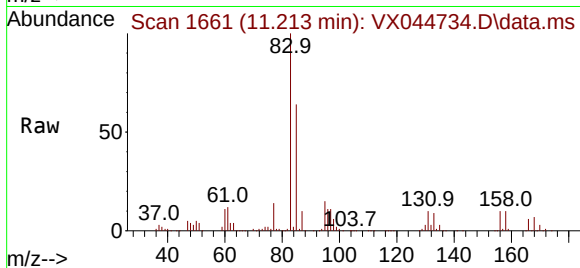




#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.287 ug/l
 RT: 11.213 min Scan# 1661
 Delta R.T. 0.000 min
 Lab File: VX044734.D
 Acq: 27 Jan 2025 19:09

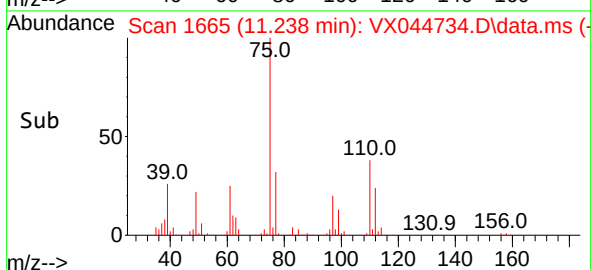
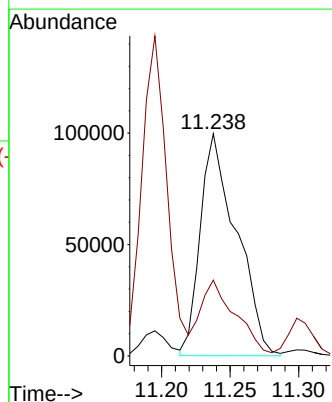
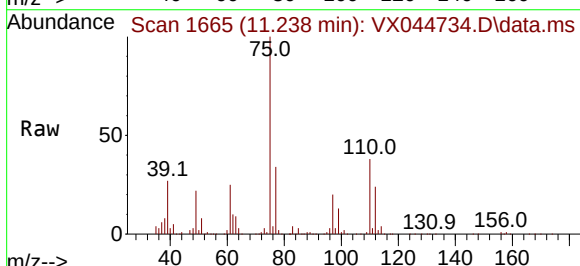
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

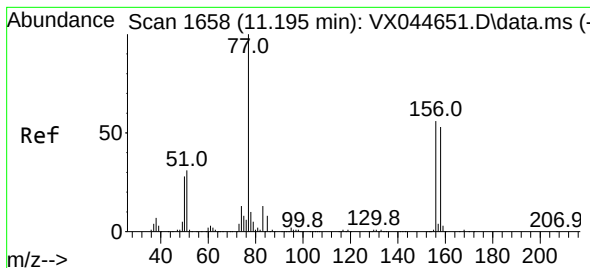
Tgt Ion: 83 Resp: 162476
 Ion Ratio Lower Upper
 83 100
 131 9.3 5.0 14.9
 85 64.0 32.0 96.2



#76
 1,2,3-Trichloropropane
 Concen: 65.900 ug/l
 RT: 11.238 min Scan# 1665
 Delta R.T. 0.000 min
 Lab File: VX044734.D
 Acq: 27 Jan 2025 19:09

Tgt Ion: 75 Resp: 183144
 Ion Ratio Lower Upper
 75 100
 77 33.1 23.4 70.2





#77

Bromobenzene

Concen: 48.400 ug/l

RT: 11.195 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

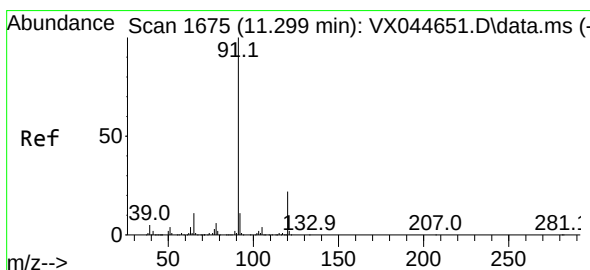
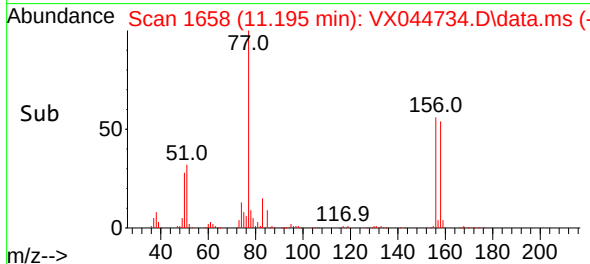
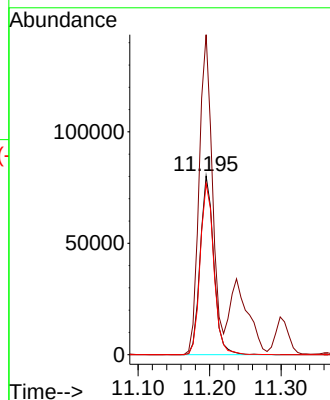
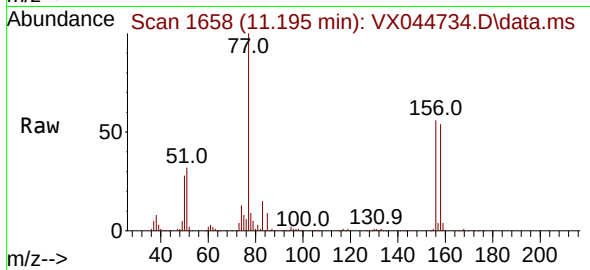
Tgt Ion:156 Resp: 105832

Ion Ratio Lower Upper

156 100

77 174.7 90.3 271.0

158 96.6 48.4 145.3



#78

n-propylbenzene

Concen: 52.120 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VX044734.D

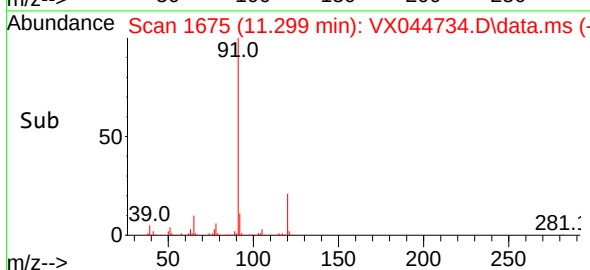
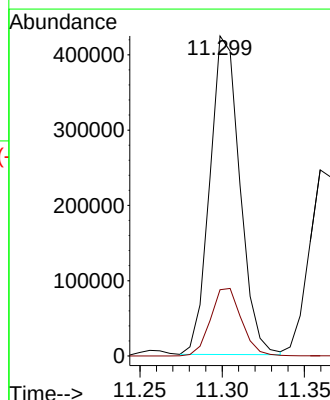
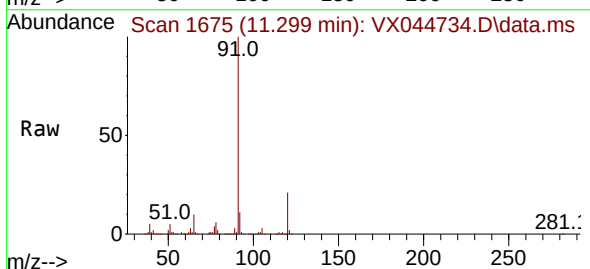
Acq: 27 Jan 2025 19:09

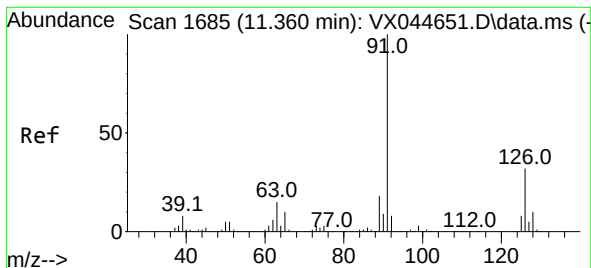
Tgt Ion: 91 Resp: 537719

Ion Ratio Lower Upper

91 100

120 21.9 11.4 34.1





#79

2-Chlorotoluene

Concen: 48.732 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

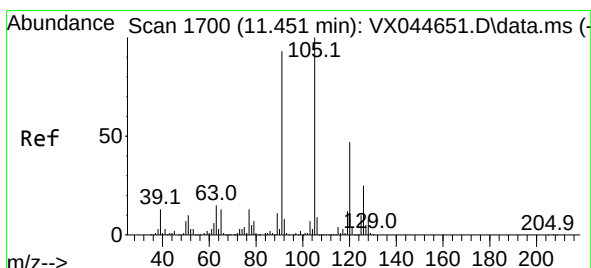
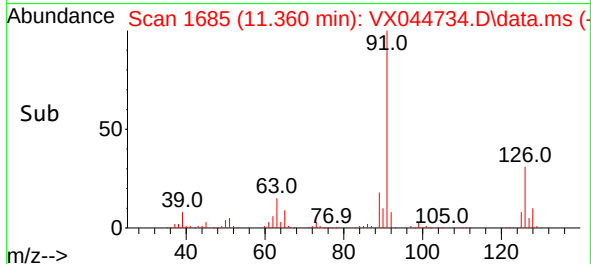
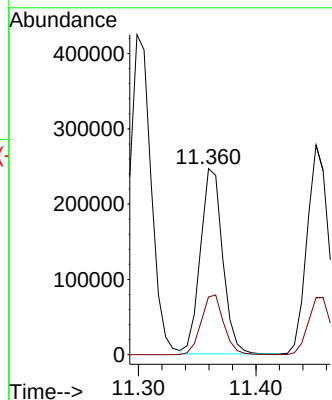
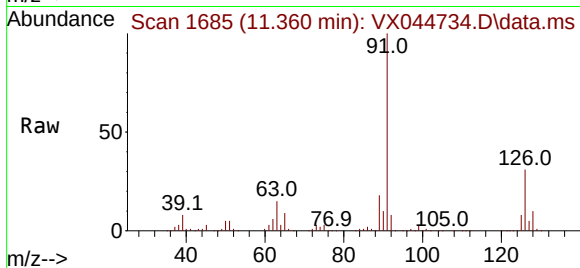
VSTDCCC050EC

Tgt Ion: 91 Resp: 324771

Ion Ratio Lower Upper

91 100

126 32.7 16.2 48.5



#80

1,3,5-Trimethylbenzene

Concen: 49.507 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044734.D

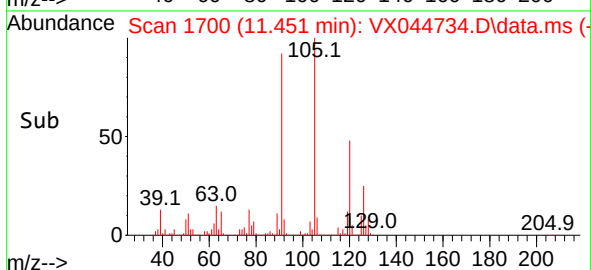
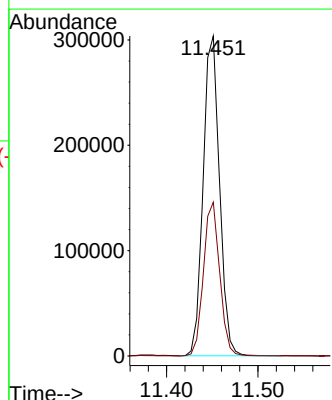
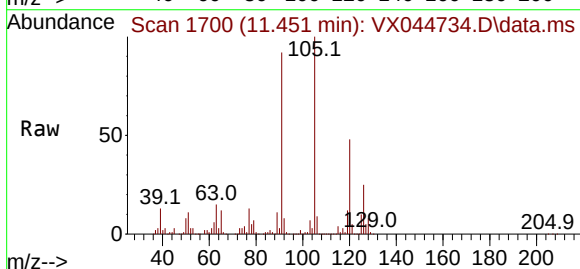
Acq: 27 Jan 2025 19:09

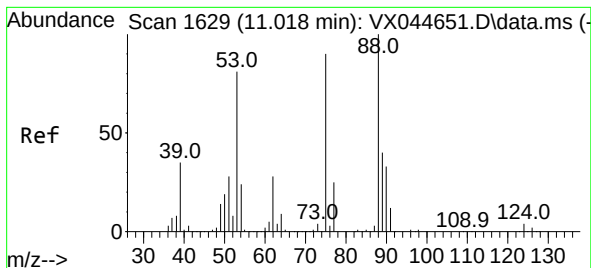
Tgt Ion: 105 Resp: 377028

Ion Ratio Lower Upper

105 100

120 47.7 23.7 71.1

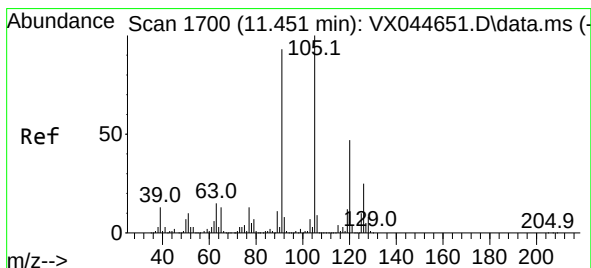
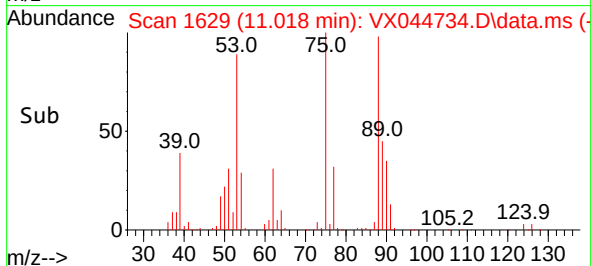
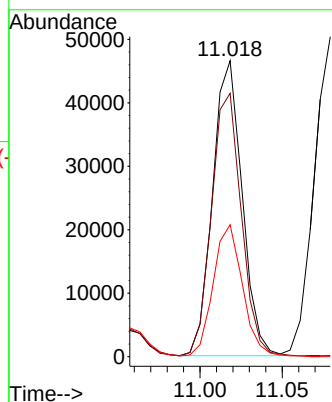
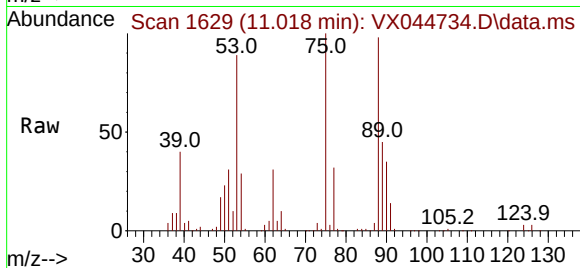




#81
trans-1,4-Dichloro-2-butene
Concen: 47.755 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

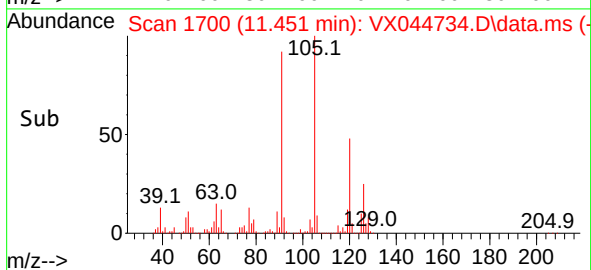
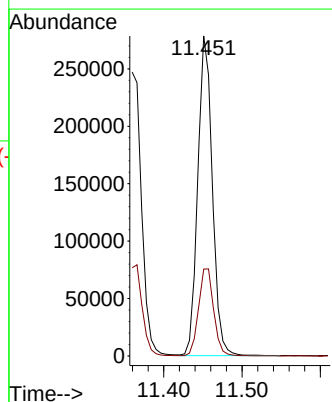
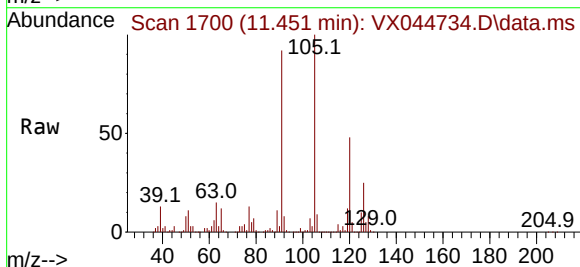
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

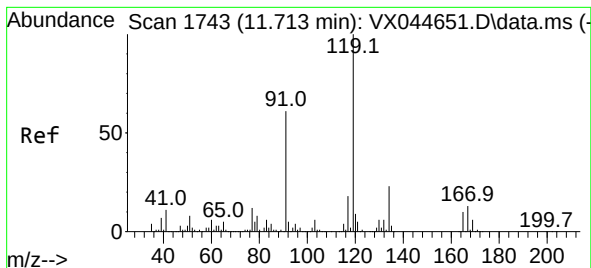
Tgt Ion: 75 Resp: 58035
Ion Ratio Lower Upper
75 100
53 91.5 74.3 111.5
89 44.6 37.4 56.0



#82
4-Chlorotoluene
Concen: 49.417 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 91 Resp: 360773
Ion Ratio Lower Upper
91 100
126 28.4 13.9 41.7

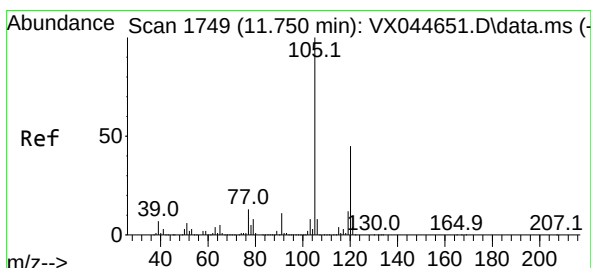
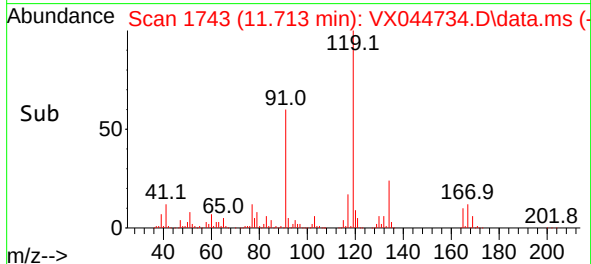
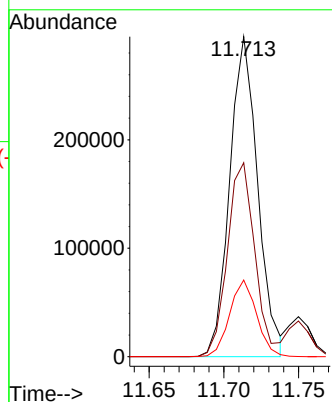
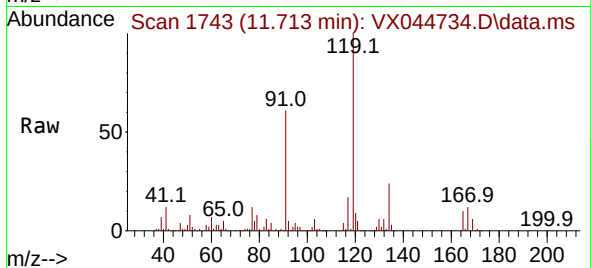




#83
tert-Butylbenzene
Concen: 48.285 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

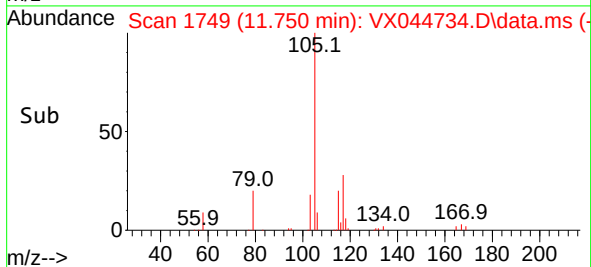
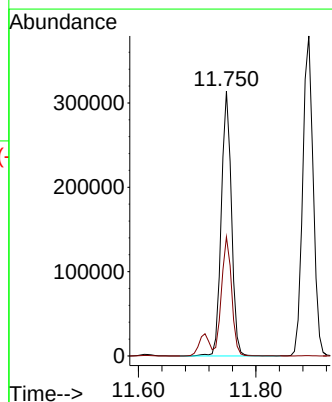
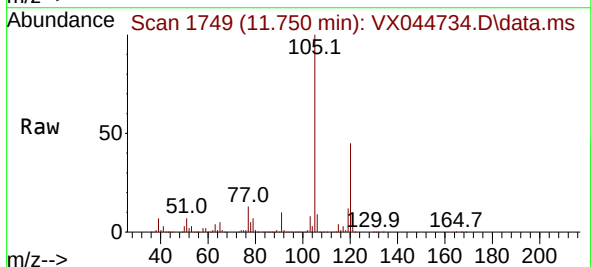
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

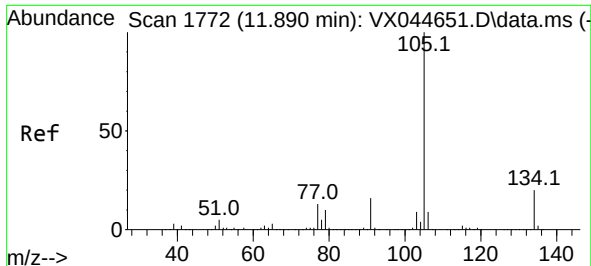
Tgt Ion:119 Resp: 384493
Ion Ratio Lower Upper
119 100
91 59.7 30.0 90.0
134 23.1 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 48.458 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:105 Resp: 375017
Ion Ratio Lower Upper
105 100
120 44.8 22.2 66.6

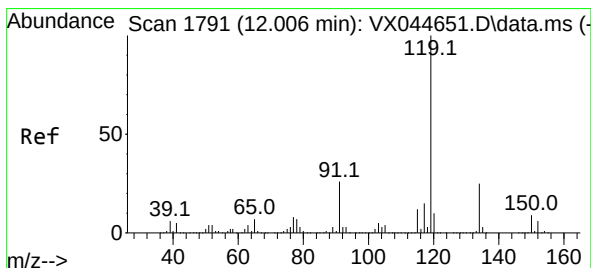
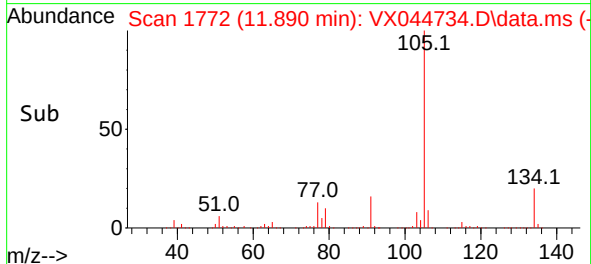
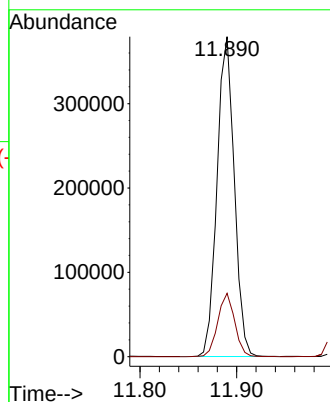
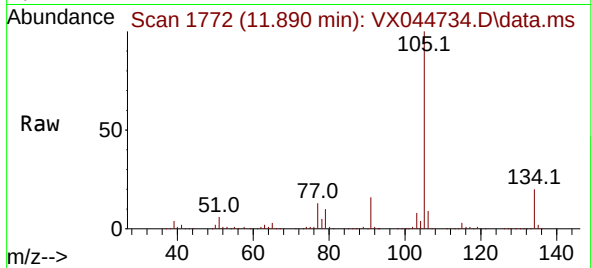




#85
 sec-Butylbenzene
 Concen: 50.498 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044734.D
 Acq: 27 Jan 2025 19:09

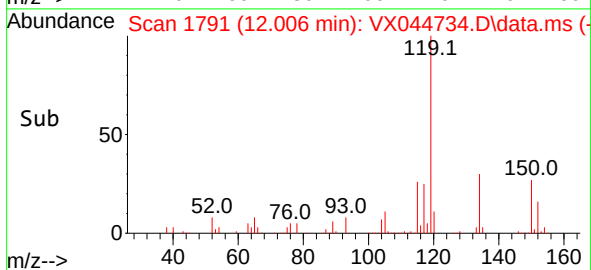
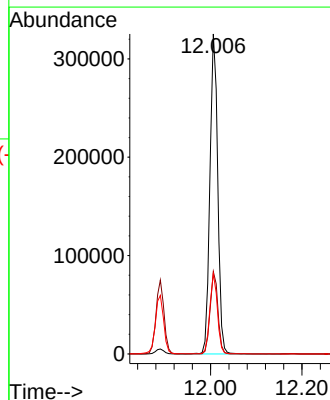
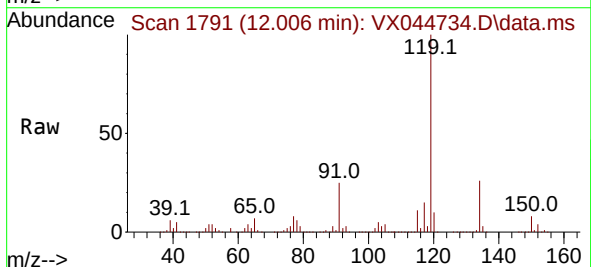
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

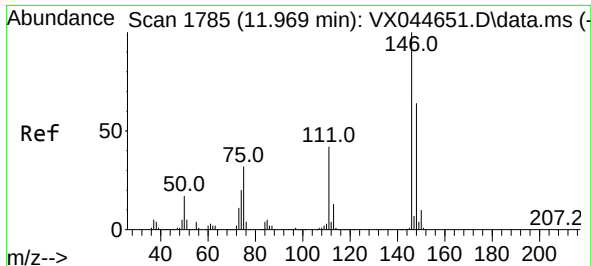
Tgt Ion:105 Resp: 468207
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 50.439 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044734.D
 Acq: 27 Jan 2025 19:09

Tgt Ion:119 Resp: 384326
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.4
 91 24.3 12.7 38.1

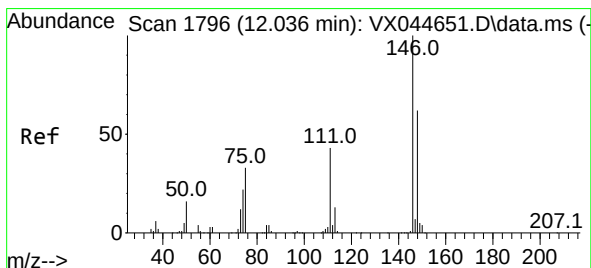
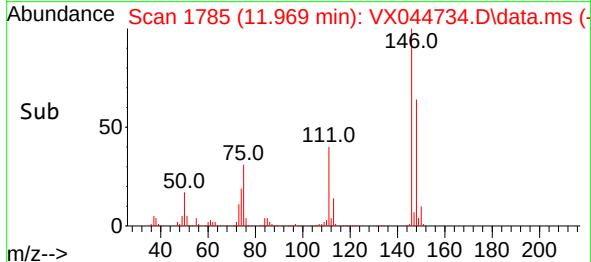
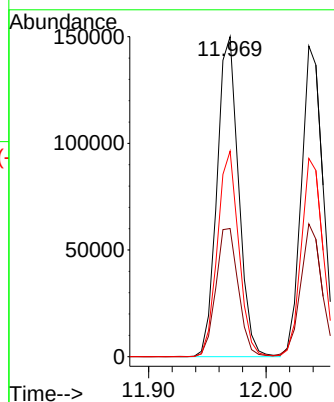
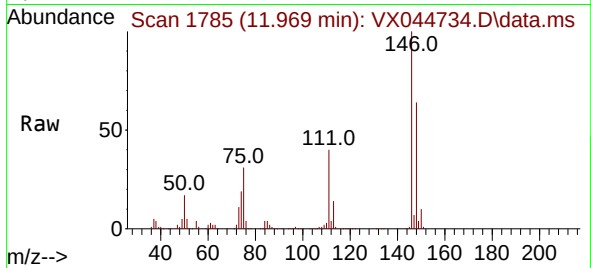




#87
1,3-Dichlorobenzene
Concen: 50.565 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

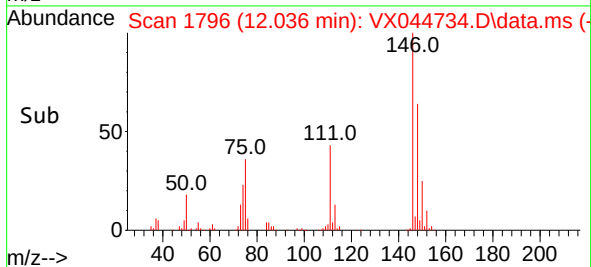
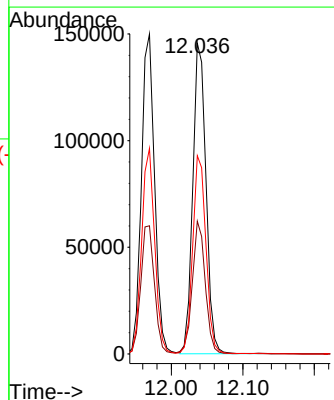
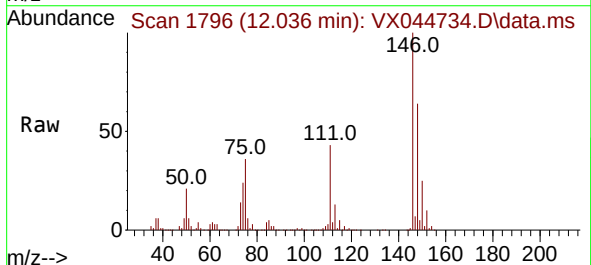
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

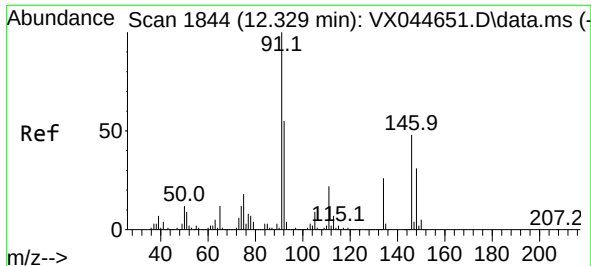
Tgt Ion:146 Resp: 191747
Ion Ratio Lower Upper
146 100
111 41.8 21.9 65.7
148 63.5 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 48.716 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:146 Resp: 186749
Ion Ratio Lower Upper
146 100
111 41.7 21.5 64.5
148 63.7 32.1 96.5





#89

n-Butylbenzene

Concen: 51.507 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044734.D

Acq: 27 Jan 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

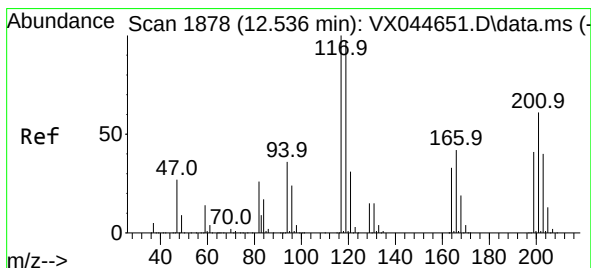
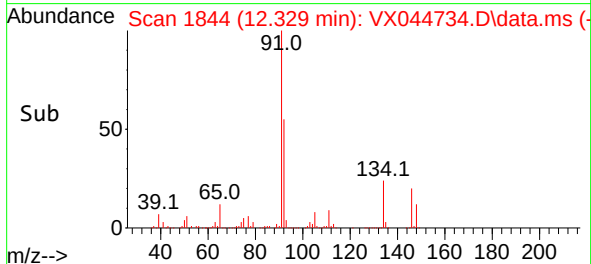
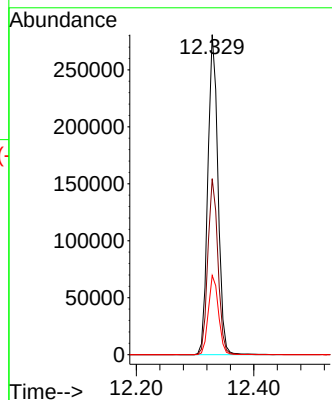
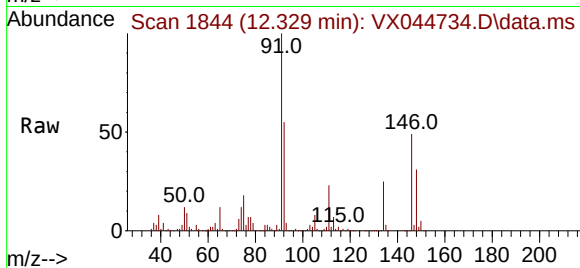
Tgt Ion: 91 Resp: 337088

Ion Ratio Lower Upper

91 100

92 54.9 27.4 82.0

134 24.8 12.8 38.3



#90

Hexachloroethane

Concen: 47.079 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044734.D

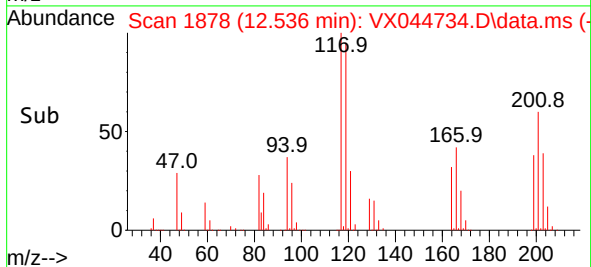
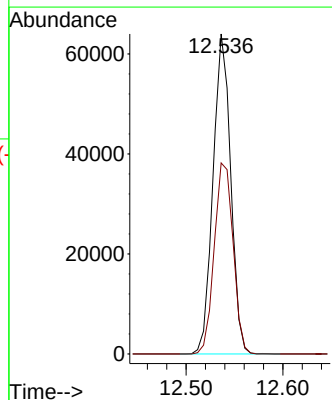
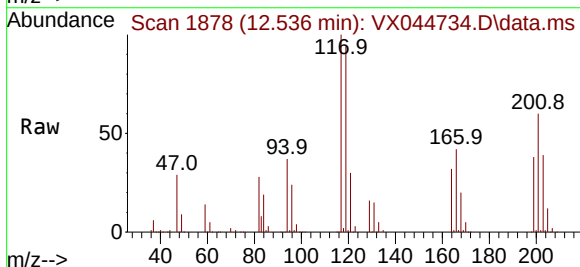
Acq: 27 Jan 2025 19:09

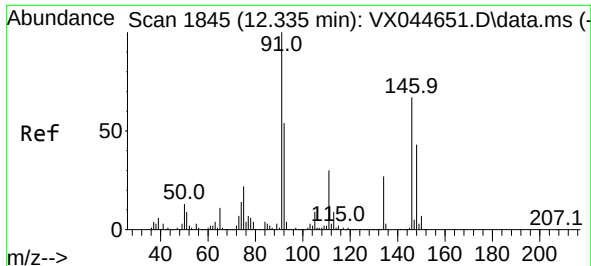
Tgt Ion: 117 Resp: 81232

Ion Ratio Lower Upper

117 100

201 63.6 32.3 96.8

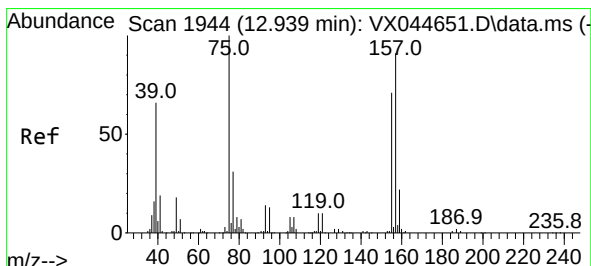
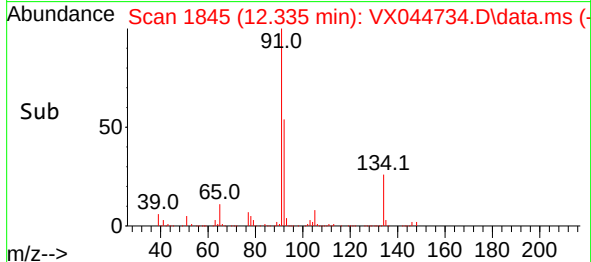
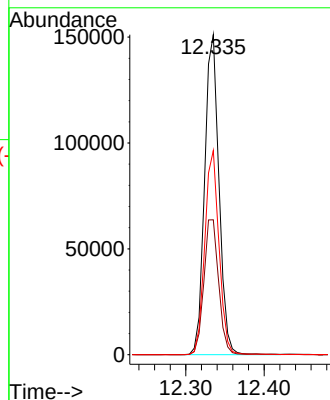
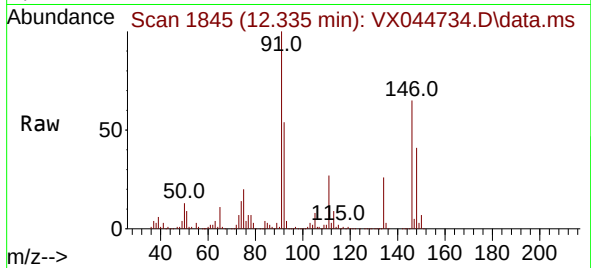




#91
1,2-Dichlorobenzene
Concen: 49.238 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

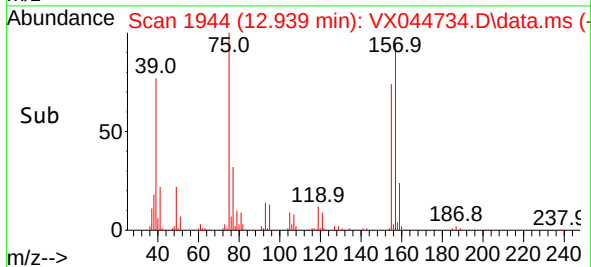
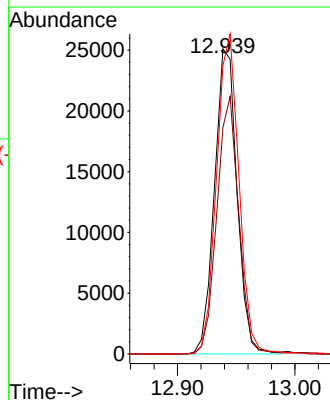
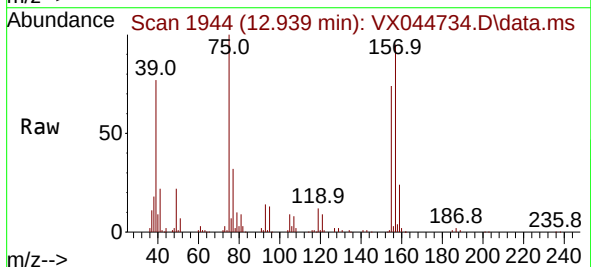
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

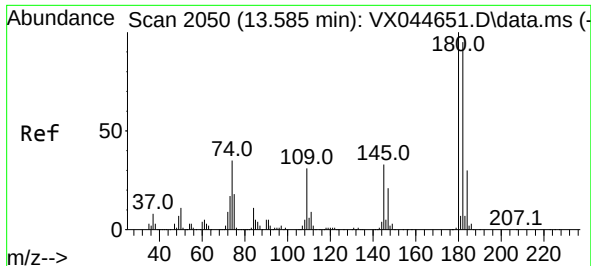
Tgt Ion:146 Resp: 191751
Ion Ratio Lower Upper
146 100
111 43.8 22.4 67.2
148 63.4 31.6 94.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 42.388 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 75 Resp: 33494
Ion Ratio Lower Upper
75 100
155 81.8 39.0 116.9
157 104.4 49.9 149.7

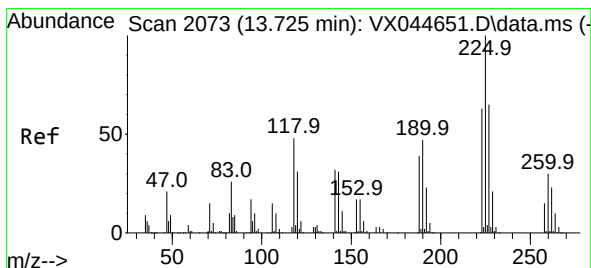
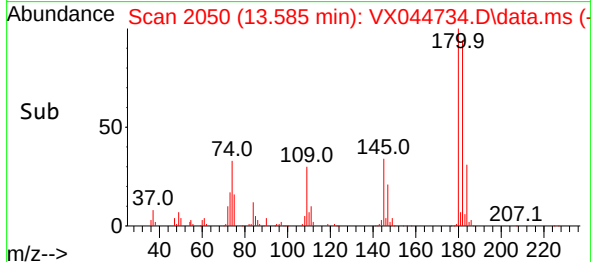
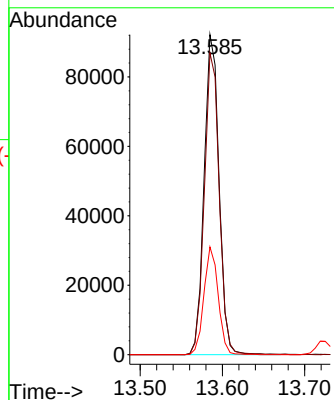
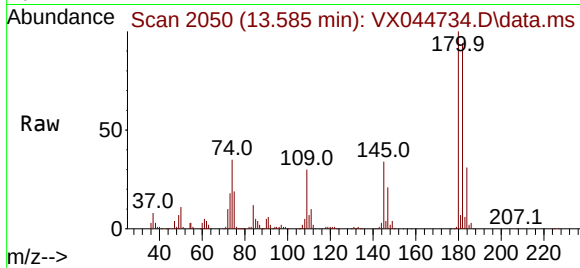




#93
1,2,4-Trichlorobenzene
Concen: 49.887 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

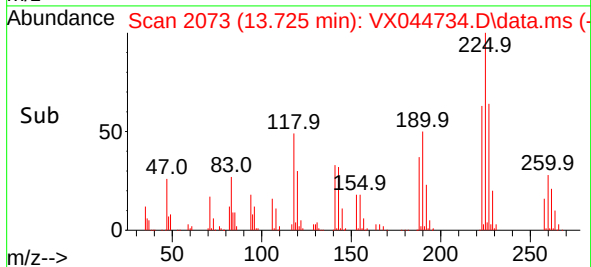
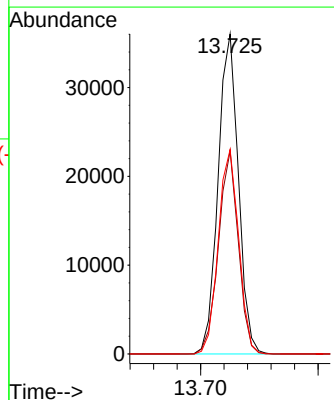
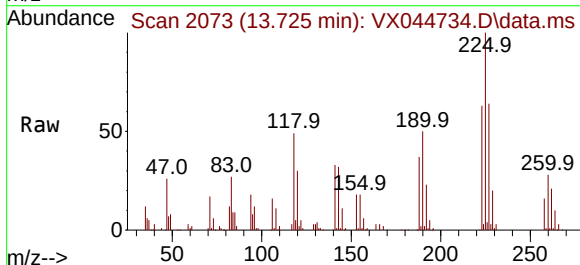
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

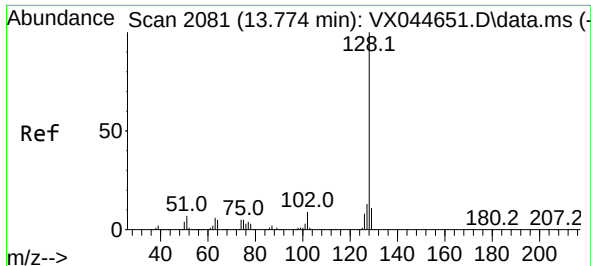
Tgt Ion:180 Resp: 116141
Ion Ratio Lower Upper
180 100
182 93.9 47.4 142.2
145 32.3 16.7 50.1



#94
Hexachlorobutadiene
Concen: 47.259 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:225 Resp: 43217
Ion Ratio Lower Upper
225 100
223 62.0 31.9 95.7
227 64.2 31.8 95.4

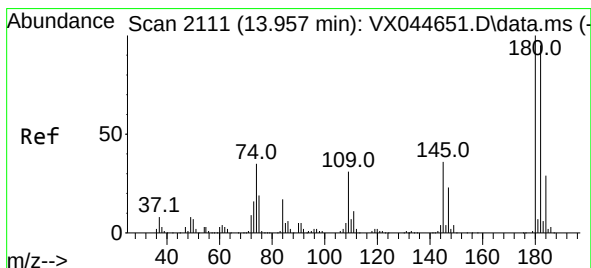
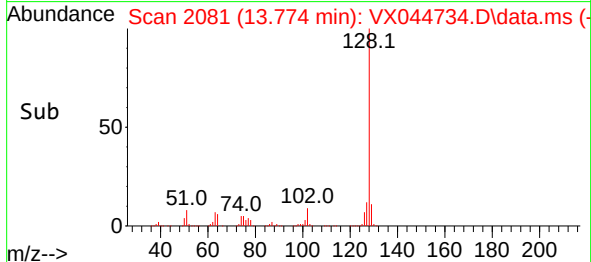
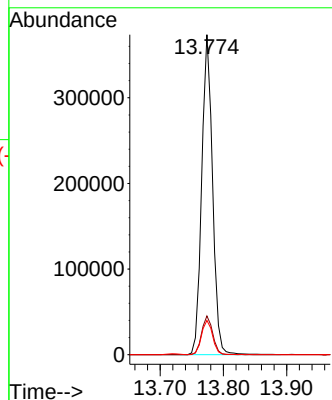
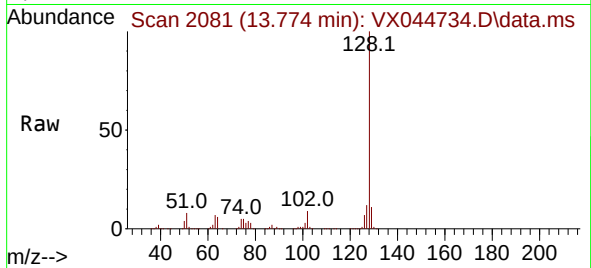




#95
Naphthalene
Concen: 49.711 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 446363
Ion Ratio Lower Upper
128 100
127 12.4 10.3 15.5
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.232 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:180 Resp: 118806
Ion Ratio Lower Upper
180 100
182 95.7 47.2 141.6
145 34.7 17.5 52.6

