

DATA PACKAGE VOLATILE ORGANICS

PROJECT NAME : NWIRP BETHPAGE 112G08005-WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : Q3165

ATTENTION : Ernie Wu



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3165

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number

Q3165-01
Q3165-02
Q3165-03
Q3165-04
Q3165-05
Q3165-06
Q3165-07
Q3165-08
Q3165-09
Q3165-10

Client Sample Number

BP-VPB-184-TB-20250919
VPB184-HYD-20250919
BP-VPB-184-GW-240-242
BP-VPB-184-GW-260-262
BP-VPB-184-GW-280-282
BP-VPB-184-DUP-20250922
BP-VPB-184-GW-300-302
BP-VPB-184-GW-320-322
BP-VPB-184-GW-320-322MS
BP-VPB-184-GW-320-322MSD

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

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:26 am, Oct 06, 2025

Date: 9/30/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: NWIRP Bethpage 112G08005-WE13

Project Manager: Ernie Wu

Order ID # Q3165

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

10 Water samples were received on 09/22/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for BP-VPB-184-GW-320-322MSD [1,2-Dichloroethane-d4 - 124%] but original sample and MS passing for surrogate therefore no corrective action taken.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

The MSD {Q3165-10MSD} with File ID: VX047822.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[153%], 1,1,2-Trichloroethane[129%], 1,1-Dichloroethane[130%], 1,2-Dibromo-3-Chloropropane[137%], 1,2-Dibromoethane[127%], 2-Butanone[144%], 4-Methyl-2-Pentanone[140%], Bromochloromethane[133%], Carbon Tetrachloride[71%], Chloroform[139%], cis-1,2-Dichloroethene[127%], Methyl tert-butyl Ether[136%], Methylcyclohexane[54%] and Methylene Chloride[134%] due to matrix interference.

The sample # BP-VPB-184-GW-320-322MS and BP-VPB-184-GW-320-322MSD is failing for some compounds and the original sample(BP-VPB-184-GW-320-322) is reported with M flag for these compounds.

The RPD for {Q3165-10MSD} with File ID: VX047822.D met criteria except for 1,1,2,2-Tetrachloroethane[45%], 1,1,2-Trichloroethane[23%], 1,2-Dibromo-3-Chloropropane[39%], 1,2-Dichlorobenzene[23%], 1,2-Dichloroethane[21%], 2-Butanone[29%], 2-Hexanone[27%], 4-Methyl-2-Pentanone[22%], Acetone[23%], Bromomethane[23%], Carbon Tetrachloride[26%], Chloroethane[22%], Chloroform[25%], Chloromethane[24%], Cyclohexane[22%], Methyl Acetate[30%], Methyl tert-butyl Ether[26%], Methylcyclohexane[39%] and Methylene Chloride[24%] due to difference in results of MS-MSD.

The Blank Spike met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration File ID VX047795.D met the requirements except for Dichlorodifluoromethane and Methyl Acetate failing high but no positive hit in associated samples therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:

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

The Sample #BP-VPB-184-GW-260-262 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

The not QT review data is reported in the Miscellaneous.

F. Manual Integration Comments:

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

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

Signature_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:27 am, Oct 06, 2025



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

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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

ORDER ID: Q3165

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 VX047795.D met the requirements except for Dichlorodifluoromethane and Methyl Acetate 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. The Surrogate recoveries were met for all analysis except for BP-VPB-184-GW-320- 322MSD [1,2-Dichloroethane-d4 - 124%] but original sample and MS passing for surrogate therefore no corrective action taken.		✓	

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

	NA	NO	YES
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The MS recoveries met the requirements for all compounds.			
The MSD {Q3165-10MSD} with File ID: VX047822.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[153%], 1,1,2-Trichloroethane[129%], 1,1-Dichloroethane[130%], 1,2-Dibromo-3-Chloropropane[137%], 1,2-Dibromoethane[127%], 2-Butanone[144%], 4-Methyl-2-Pentanone[140%], Bromochloromethane[133%], Carbon Tetrachloride[71%], Chloroform[139%], cis-1,2-Dichloroethene[127%], Methyl tert-butyl Ether[136%], Methylcyclohexane[54%] and Methylene Chloride[134%] due to matrix interference.			
The sample # BP-VPB-184-GW-320-322MS and BP-VPB-184-GW-320-322MSD is failing for some compounds and the original sample(BP-VPB-184-GW-320-322) is reported with M flag for these compounds.			
The RPD for {Q3165-10MSD} with File ID: VX047822.D met criteria except for 1,1,2,2-Tetrachloroethane[45%], 1,1,2-Trichloroethane[23%], 1,2-Dibromo-3-Chloropropane[39%], 1,2-Dichlorobenzene[23%], 1,2-Dichloroethane[21%], 2-Butanone[29%], 2-Hexanone[27%], 4-Methyl-2-Pentanone[22%], Acetone[23%], Bromomethane[23%], Carbon Tetrachloride[26%], Chloroethane[22%], Chloroform[25%], Chloromethane[24%], Cyclohexane[22%], Methyl Acetate[30%], Methyl tert-butyl Ether[26%], Methylcyclohexane[39%] and Methylene Chloride[24%] due to difference in results of MS-MSD.			
9. Internal Standard Area/Retention Time Shift Meet Criteria			✓
Comments:			
10. Analysis Holding Time Met			✓
If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

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

The Sample #BP-VPB-184-GW-260-262 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

The not QT review data is reported in the Miscellaneous.

REVIEWED

By Sohil Jodhani, QA/QC Director at 10:20 am, Oct 06, 2025

QA REVIEW

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3165

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: 09/30/2025

LAB CHRONICLE

OrderID:	Q3165	OrderDate:	9/22/2025 4:07:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	J43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3165-01	BP-VPB-184-TB-2025 0919	Water			09/19/25			09/22/25
			VOC-TCLVOA-10	8260-Low			09/25/25	
Q3165-02	VPB184-HYD-202509 19	Water			09/19/25			09/22/25
			VOC-TCLVOA-10	8260-Low			09/25/25	
Q3165-03	BP-VPB-184-GW-240- 242	Water			09/19/25			09/22/25
			VOC-TCLVOA-10	8260-Low			09/25/25	
Q3165-04	BP-VPB-184-GW-260- 262	Water			09/19/25			09/22/25
			VOC-TCLVOA-10	8260-Low			09/25/25	
Q3165-05	BP-VPB-184-GW-280- 282	Water			09/22/25			09/22/25
			VOC-TCLVOA-10	8260-Low			09/25/25	
Q3165-06	BP-VPB-184-DUP-202 50922	Water			09/22/25			09/22/25
			VOC-TCLVOA-10	8260-Low			09/25/25	
Q3165-07	BP-VPB-184-GW-300- 302	Water			09/22/25			09/22/25
			VOC-TCLVOA-10	8260-Low			09/25/25	
Q3165-08	BP-VPB-184-GW-320- 322	Water			09/22/25			09/22/25
			VOC-TCLVOA-10	8260-Low			09/25/25	

Hit Summary Sheet
SW-846

SDG No.: Q3165
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	BP-VPB-184-GW-240-242								
Q3165-03	BP-VPB-184-GW-2 Water		Chloromethane	0.67	J	0.32	0.50	1.00	ug/L
Q3165-03	BP-VPB-184-GW-2 Water		Acetone	10.8		1.50	3.80	5.00	ug/L
Q3165-03	BP-VPB-184-GW-2 Water		Carbon Disulfide	0.60	J	0.21	0.75	1.00	ug/L
			Total Voc :	12.1					
			Total Concentration:	12.1					
Client ID:	BP-VPB-184-GW-260-262								
Q3165-04	BP-VPB-184-GW-2 Water		Acetone	8.30		1.50	3.80	5.00	ug/L
Q3165-04	BP-VPB-184-GW-2 Water		Carbon Disulfide	0.33	J	0.21	0.75	1.00	ug/L
			Total Voc :	8.63					
			Total Concentration:	8.63					
Client ID:	BP-VPB-184-GW-280-282								
Q3165-05	BP-VPB-184-GW-2 Water		Chloromethane	0.57	J	0.32	0.50	1.00	ug/L
Q3165-05	BP-VPB-184-GW-2 Water		Acetone	9.40		1.50	3.80	5.00	ug/L
Q3165-05	BP-VPB-184-GW-2 Water		Carbon Disulfide	0.74	J	0.21	0.75	1.00	ug/L
Q3165-05	BP-VPB-184-GW-2 Water		2-Butanone	2.00	J	0.98	2.50	5.00	ug/L
			Total Voc :	12.7					
			Total Concentration:	12.7					
Client ID:	BP-VPB-184-DUP-20250922								
Q3165-06	BP-VPB-184-DUP- Water		Chloromethane	0.63	J	0.32	0.50	1.00	ug/L
Q3165-06	BP-VPB-184-DUP- Water		Acetone	9.50		1.50	3.80	5.00	ug/L
Q3165-06	BP-VPB-184-DUP- Water		Carbon Disulfide	0.80	J	0.21	0.75	1.00	ug/L
			Total Voc :	10.9					
			Total Concentration:	10.9					
Client ID:	BP-VPB-184-GW-300-302								
Q3165-07	BP-VPB-184-GW-3 Water		Chloromethane	0.74	J	0.32	0.50	1.00	ug/L
Q3165-07	BP-VPB-184-GW-3 Water		Acetone	16.2		1.50	3.80	5.00	ug/L
Q3165-07	BP-VPB-184-GW-3 Water		Carbon Disulfide	0.71	J	0.21	0.75	1.00	ug/L
Q3165-07	BP-VPB-184-GW-3 Water		2-Butanone	3.50	J	0.98	2.50	5.00	ug/L
			Total Voc :	21.1					
			Total Concentration:	21.1					
Client ID:	BP-VPB-184-GW-320-322								
Q3165-08	BP-VPB-184-GW-3 Water		Chloromethane	0.46	J	0.32	0.50	1.00	ug/L
Q3165-08	BP-VPB-184-GW-3 Water		Acetone	8.70		1.50	3.80	5.00	ug/L
Q3165-08	BP-VPB-184-GW-3 Water		Carbon Disulfide	0.40	J	0.21	0.75	1.00	ug/L
			Total Voc :	9.56					
			Total Concentration:	9.56					



QC SUMMARY

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Surrogate Summary

SDG No.: **Q3165**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3165-01	BP-VPB-184-TB-20250919	1,2-Dichloroethane-d4	50	50.5	101		81	118
		Dibromofluoromethane	50	47.1	94		80	119
		Toluene-d8	50	47.9	96		89	112
		4-Bromofluorobenzene	50	52.4	105		85	114
Q3165-02	VPB184-HYD-20250919	1,2-Dichloroethane-d4	50	49.7	99		81	118
		Dibromofluoromethane	50	47.1	94		80	119
		Toluene-d8	50	47.8	96		89	112
		4-Bromofluorobenzene	50	52.8	106		85	114
Q3165-03	BP-VPB-184-GW-240-242	1,2-Dichloroethane-d4	50	49.8	100		81	118
		Dibromofluoromethane	50	47.1	94		80	119
		Toluene-d8	50	47.4	95		89	112
		4-Bromofluorobenzene	50	51.6	103		85	114
Q3165-04	BP-VPB-184-GW-260-262	1,2-Dichloroethane-d4	50	54.7	109		81	118
		Dibromofluoromethane	50	49.8	100		80	119
		Toluene-d8	50	48.7	97		89	112
		4-Bromofluorobenzene	50	56.7	113		85	114
Q3165-05	BP-VPB-184-GW-280-282	1,2-Dichloroethane-d4	50	51.7	103		81	118
		Dibromofluoromethane	50	48.6	97		80	119
		Toluene-d8	50	48.2	96		89	112
		4-Bromofluorobenzene	50	54.3	109		85	114
Q3165-06	BP-VPB-184-DUP-20250922	1,2-Dichloroethane-d4	50	54.4	109		81	118
		Dibromofluoromethane	50	49.9	100		80	119
		Toluene-d8	50	49.2	98		89	112
		4-Bromofluorobenzene	50	55.5	111		85	114
Q3165-07	BP-VPB-184-GW-300-302	1,2-Dichloroethane-d4	50	52.9	106		81	118
		Dibromofluoromethane	50	49.7	99		80	119
		Toluene-d8	50	49.6	99		89	112
		4-Bromofluorobenzene	50	54.3	109		85	114
Q3165-08	BP-VPB-184-GW-320-322	1,2-Dichloroethane-d4	50	53.9	108		81	118
		Dibromofluoromethane	50	50.4	101		80	119
		Toluene-d8	50	49.5	99		89	112
		4-Bromofluorobenzene	50	55.6	111		85	114
Q3165-09MS	BP-VPB-184-GW-320-322MS	1,2-Dichloroethane-d4	50	57.0	114		81	118
		Dibromofluoromethane	50	53.2	106		80	119
		Toluene-d8	50	50.7	101		89	112
		4-Bromofluorobenzene	50	53.3	107		85	114
Q3165-10MSD	BP-VPB-184-GW-320-322MSD	1,2-Dichloroethane-d4	50	61.8	124	*	81	118
		Dibromofluoromethane	50	56.6	113		80	119
		Toluene-d8	50	49.9	100		89	112
		4-Bromofluorobenzene	50	46.0	92		85	114
VX0925WBL01	VX0925WBL01	1,2-Dichloroethane-d4	50	51.1	102		81	118
		Dibromofluoromethane	50	48.4	97		80	119
		Toluene-d8	50	48.3	97		89	112
		4-Bromofluorobenzene	50	53.3	107		85	114
VX0925WBS01	VX0925WBS01	1,2-Dichloroethane-d4	50	53.3	107		81	118
		Dibromofluoromethane	50	52.0	104		80	119
		Toluene-d8	50	50.2	100		89	112
		4-Bromofluorobenzene	50	53.1	106		85	114

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3165

Analytical Method:

SW8260-Low

Client: Tetra Tech NUS, Inc.

Datafile :

VX047821.D

		Sample				Rec	RPD		Limits		
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	Q3165-09MS	Client Sample ID :	BP-VPB-184-GW-320-322MS								
Dichlorodifluoromethane	50	0	54.6	ug/L	109				32	152	
Chloromethane	50	0.46	53.5	ug/L	106				50	139	
Vinyl chloride	50	0	54.3	ug/L	109				58	137	
Bromomethane	50	0	51.5	ug/L	103				53	141	
Chloroethane	50	0	52.9	ug/L	106				60	138	
Trichlorofluoromethane	50	0	51.7	ug/L	103				65	141	
1,1,2-Trichlorotrifluoroethane	50	0	48.6	ug/L	97				70	136	
1,1-Dichloroethene	50	0	51.8	ug/L	104				71	131	
Acetone	250	8.70	240	ug/L	93				39	160	
Carbon disulfide	50	0.40	51.7	ug/L	103				64	133	
Methyl tert-butyl Ether	50	0	52.5	ug/L	105				71	124	
Methyl Acetate	50	0	41.6	ug/L	83				56	136	
Methylene Chloride	50	0	52.6	ug/L	105				74	124	
trans-1,2-Dichloroethene	50	0	53.5	ug/L	107				75	124	
1,1-Dichloroethane	50	0	53.4	ug/L	107				77	125	
Cyclohexane	50	0	46.7	ug/L	93				71	130	
2-Butanone	250	0	270	ug/L	108				56	143	
Carbon Tetrachloride	50	0	46.4	ug/L	93				72	136	
cis-1,2-Dichloroethene	50	0	52.3	ug/L	105				78	123	
Bromochloromethane	50	0	56.6	ug/L	113				78	123	
Chloroform	50	0	53.8	ug/L	108				79	124	
1,1,1-Trichloroethane	50	0	50.8	ug/L	102				74	131	
Methylcyclohexane	50	0	40.4	ug/L	81				72	132	
Benzene	50	0	49.7	ug/L	99				79	120	
1,2-Dichloroethane	50	0	48.4	ug/L	97				73	128	
Trichloroethene	50	0	48.2	ug/L	96				79	123	
1,2-Dichloropropane	50	0	50.2	ug/L	100				78	122	
Bromodichloromethane	50	0	50.0	ug/L	100				79	125	
4-Methyl-2-Pentanone	250	0	280	ug/L	112				67	130	
Toluene	50	0	48.9	ug/L	98				80	121	
t-1,3-Dichloropropene	50	0	40.7	ug/L	81				73	127	
cis-1,3-Dichloropropene	50	0	41.0	ug/L	82				75	124	
1,1,2-Trichloroethane	50	0	51.5	ug/L	103				80	119	
2-Hexanone	250	0	260	ug/L	104				57	139	
Dibromochloromethane	50	0	51.3	ug/L	103				74	126	
1,2-Dibromoethane	50	0	53.0	ug/L	106				77	121	
Tetrachloroethene	50	0	42.4	ug/L	85				74	129	
Chlorobenzene	50	0	45.7	ug/L	91				82	118	
Ethyl Benzene	50	0	44.9	ug/L	90				79	121	
m/p-Xylenes	100	0	90.5	ug/L	91				80	121	
o-Xylene	50	0	45.5	ug/L	91				78	122	
Styrene	50	0	42.5	ug/L	85				78	123	
Bromoform	50	0	47.8	ug/L	96				66	130	
Isopropylbenzene	50	0	42.3	ug/L	85				72	131	
1,1,2,2-Tetrachloroethane	50	0	48.3	ug/L	97				71	121	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3165

Analytical Method: SW8260-Low

Client: Tetra Tech NUS, Inc.

Datafile : VX047821.D

Parameter	Spike	Sample	Result	Units	Rec			RPD	Limits		
		Result			Qual	RPD	Qual	Low	High	RPD	
1,3-Dichlorobenzene	50	0	42.3	ug/L	85				80	119	
1,4-Dichlorobenzene	50	0	42.3	ug/L	85				79	118	
1,2-Dichlorobenzene	50	0	44.3	ug/L	89				80	119	
1,2-Dibromo-3-Chloropropane	50	0	46.4	ug/L	93				62	128	
1,2,4-Trichlorobenzene	50	0	39.1	ug/L	78				69	130	
1,2,3-Trichlorobenzene	50	0	41.1	ug/L	82				69	129	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3165

Analytical Method:

SW8260-Low

Client: Tetra Tech NUS, Inc.

Datafile :

VX047822.D

		Sample				Rec	RPD		Limits		
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	Q3165-10MSD	Client Sample ID :	BP-VPB-184-GW-320-322MSD								
Dichlorodifluoromethane	50	0	53.8	ug/L	108		1		32	152	20
Chloromethane	50	0.46	68.2	ug/L	135		24	*	50	139	20
Vinyl chloride	50	0	63.8	ug/L	128		16		58	137	20
Bromomethane	50	0	65.0	ug/L	130		23	*	53	141	20
Chloroethane	50	0	66.2	ug/L	132		22	*	60	138	20
Trichlorofluoromethane	50	0	52.9	ug/L	106		2		65	141	20
1,1,2-Trichlorotrifluoroethane	50	0	41.7	ug/L	83		15		70	136	20
1,1-Dichloroethene	50	0	61.8	ug/L	124		18		71	131	20
Acetone	250	8.70	300	ug/L	117		23	*	39	160	20
Carbon disulfide	50	0.40	44.3	ug/L	88		16		64	133	20
Methyl tert-butyl Ether	50	0	68.1	ug/L	136	*	26	*	71	124	20
Methyl Acetate	50	0	56.1	ug/L	112		30	*	56	136	20
Methylene Chloride	50	0	67.0	ug/L	134	*	24	*	74	124	20
trans-1,2-Dichloroethene	50	0	57.7	ug/L	115		8		75	124	20
1,1-Dichloroethane	50	0	65.2	ug/L	130	*	20		77	125	20
Cyclohexane	50	0	37.5	ug/L	75		22	*	71	130	20
2-Butanone	250	0	360	ug/L	144	*	29	*	56	143	20
Carbon Tetrachloride	50	0	35.6	ug/L	71	*	26	*	72	136	20
cis-1,2-Dichloroethene	50	0	63.6	ug/L	127	*	19		78	123	20
Bromochloromethane	50	0	66.6	ug/L	133	*	16		78	123	20
Chloroform	50	0	69.3	ug/L	139	*	25	*	79	124	20
1,1,1-Trichloroethane	50	0	58.7	ug/L	117		14		74	131	20
Methylcyclohexane	50	0	27.2	ug/L	54	*	39	*	72	132	20
Benzene	50	0	58.2	ug/L	116		16		79	120	20
1,2-Dichloroethane	50	0	59.7	ug/L	119		21	*	73	128	20
Trichloroethene	50	0	56.2	ug/L	112		15		79	123	20
1,2-Dichloropropane	50	0	61.1	ug/L	122		20		78	122	20
Bromodichloromethane	50	0	44.8	ug/L	90		11		79	125	20
4-Methyl-2-Pentanone	250	0	350	ug/L	140	*	22	*	67	130	20
Toluene	50	0	53.2	ug/L	106		8		80	121	20
t-1,3-Dichloropropene	50	0	42.1	ug/L	84		3		73	127	20
cis-1,3-Dichloropropene	50	0	42.4	ug/L	85		3		75	124	20
1,1,2-Trichloroethane	50	0	64.7	ug/L	129	*	23	*	80	119	20
2-Hexanone	250	0	340	ug/L	136		27	*	57	139	20
Dibromochloromethane	50	0	44.0	ug/L	88		15		74	126	20
1,2-Dibromoethane	50	0	63.4	ug/L	127	*	18		77	121	20
Tetrachloroethene	50	0	49.7	ug/L	99		16		74	129	20
Chlorobenzene	50	0	53.9	ug/L	108		16		82	118	20
Ethyl Benzene	50	0	49.0	ug/L	98		9		79	121	20
m/p-Xylenes	100	0	97.5	ug/L	98		7		80	121	20
o-Xylene	50	0	51.7	ug/L	103		13		78	122	20
Styrene	50	0	42.3	ug/L	85		0		78	123	20
Bromoform	50	0	43.1	ug/L	86		10		66	130	20
Isopropylbenzene	50	0	50.2	ug/L	100		17		72	131	20
1,1,2,2-Tetrachloroethane	50	0	76.6	ug/L	153	*	45	*	71	121	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3165

Analytical Method: SW8260-Low

Client: Tetra Tech NUS, Inc.

Datafile : VX047822.D

Parameter	Spike	Sample Result	Result	Units	Rec		RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High	
1,3-Dichlorobenzene	50	0	51.1	ug/L	102		19		80	119	20
1,4-Dichlorobenzene	50	0	50.8	ug/L	102		18		79	118	20
1,2-Dichlorobenzene	50	0	55.9	ug/L	112		23	*	80	119	20
1,2-Dibromo-3-Chloropropane	50	0	68.7	ug/L	137	*	39	*	62	128	20
1,2,4-Trichlorobenzene	50	0	42.8	ug/L	86		9		69	130	20
1,2,3-Trichlorobenzene	50	0	48.3	ug/L	97		16		69	129	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3165	SW-846	Analytical Method:	SW8260-Low
Client:	Tetra Tech NUS, Inc.	Datafile :	VX047798.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0925WBS01	Dichlorodifluoromethane	20	22.1	ug/L	111			32	152	
	Chloromethane	20	20.6	ug/L	103			50	139	
	Vinyl chloride	20	20.6	ug/L	103			58	137	
	Bromomethane	20	20.8	ug/L	104			53	141	
	Chloroethane	20	20.2	ug/L	101			60	138	
	Trichlorofluoromethane	20	19.8	ug/L	99			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.3	ug/L	102			70	136	
	1,1-Dichloroethene	20	19.3	ug/L	97			71	131	
	Acetone	100	96.4	ug/L	96			39	160	
	Carbon disulfide	20	19.6	ug/L	98			64	133	
	Methyl tert-butyl Ether	20	20.0	ug/L	100			71	124	
	Methyl Acetate	20	22.6	ug/L	113			56	136	
	Methylene Chloride	20	20.6	ug/L	103			74	124	
	trans-1,2-Dichloroethene	20	20.2	ug/L	101			75	124	
	1,1-Dichloroethane	20	20.4	ug/L	102			77	125	
	Cyclohexane	20	19.2	ug/L	96			71	130	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	18.2	ug/L	91			72	136	
	cis-1,2-Dichloroethene	20	20.3	ug/L	102			78	123	
	Bromochloromethane	20	20.0	ug/L	100			78	123	
	Chloroform	20	20.7	ug/L	104			79	124	
	1,1,1-Trichloroethane	20	19.8	ug/L	99			74	131	
	Methylcyclohexane	20	17.8	ug/L	89			72	132	
	Benzene	20	19.9	ug/L	100			79	120	
	1,2-Dichloroethane	20	19.5	ug/L	98			73	128	
	Trichloroethene	20	19.7	ug/L	99			79	123	
	1,2-Dichloropropane	20	20.1	ug/L	101			78	122	
	Bromodichloromethane	20	19.5	ug/L	98			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.0	ug/L	100			80	121	
	t-1,3-Dichloropropene	20	18.9	ug/L	95			73	127	
	cis-1,3-Dichloropropene	20	19.3	ug/L	97			75	124	
	1,1,2-Trichloroethane	20	21.0	ug/L	105			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	20.5	ug/L	103			74	126	
	1,2-Dibromoethane	20	20.8	ug/L	104			77	121	
	Tetrachloroethene	20	18.7	ug/L	94			74	129	
	Chlorobenzene	20	19.0	ug/L	95			82	118	
	Ethyl Benzene	20	18.1	ug/L	91			79	121	
	m/p-Xylenes	40	37.6	ug/L	94			80	121	
	o-Xylene	20	18.5	ug/L	93			78	122	
	Styrene	20	18.9	ug/L	95			78	123	
	Bromoform	20	19.6	ug/L	98			66	130	
	Isopropylbenzene	20	16.8	ug/L	84			72	131	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/L	95			71	121	
	1,3-Dichlorobenzene	20	17.5	ug/L	88			80	119	
	1,4-Dichlorobenzene	20	17.8	ug/L	89			79	118	
	1,2-Dichlorobenzene	20	17.8	ug/L	89			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3165</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VX047798.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0925WBS01	1,2-Dibromo-3-Chloropropane	20	17.6	ug/L	88			62	128	
	1,2,4-Trichlorobenzene	20	16.2	ug/L	81			69	130	
	1,2,3-Trichlorobenzene	20	16.9	ug/L	85			69	129	

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0925WBL01

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3165

Lab File ID: VX047797.D

Lab Sample ID: VX0925WBL01

Date Analyzed: 09/25/2025

Time Analyzed: 09:46

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0925WBS01	VX0925WBS01	VX047798.D	09/25/2025
VPB184-HYD-20250919	Q3165-02	VX047800.D	09/25/2025
BP-VPB-184-TB-20250919	Q3165-01	VX047801.D	09/25/2025
BP-VPB-184-GW-240-242	Q3165-03	VX047802.D	09/25/2025
BP-VPB-184-GW-260-262	Q3165-04	VX047803.D	09/25/2025
BP-VPB-184-GW-280-282	Q3165-05	VX047804.D	09/25/2025
BP-VPB-184-DUP-20250922	Q3165-06	VX047805.D	09/25/2025
BP-VPB-184-GW-300-302	Q3165-07	VX047806.D	09/25/2025
BP-VPB-184-GW-320-322	Q3165-08	VX047820.D	09/25/2025
BP-VPB-184-GW-320-322MS	Q3165-09MS	VX047821.D	09/25/2025
BP-VPB-184-GW-320-322MSD	Q3165-10MSD	VX047822.D	09/25/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)
Lab Name: AllianceContract: TETR06Lab Code: ACESDG NO.: Q3165Lab File ID: VX047584.DBFB Injection Date: 09/16/2025Instrument ID: MSVOA_XBFB Injection Time: 08:56GC Column: DB-624UI ID: 0.18 (mm)Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	67.3
175	5.0 - 9.0% of mass 174	5.4 (8.1) 1
176	95.0 - 101.0% of mass 174	66.3 (98.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX047585.D	09/16/2025	09:23
VSTDIC005	VSTDIC005	VX047586.D	09/16/2025	10:16
VSTDIC020	VSTDIC020	VX047587.D	09/16/2025	10:37
VSTDIC050	VSTDIC050	VX047588.D	09/16/2025	10:58
VSTDIC100	VSTDIC100	VX047589.D	09/16/2025	11:40
VSTDIC150	VSTDIC150	VX047590.D	09/16/2025	12:01

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

 Lab Name: Alliance
 Lab Code: ACE
 Lab File ID: VX047794.D
 Instrument ID: MSVOA_X
 GC Column: DB-624UI ID: 0.18 (mm)

 Contract: TETR06
 SDG NO.: Q3165
 BFB Injection Date: 09/25/2025
 BFB Injection Time: 08:24
 Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 60.0% of mass 95	52
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	69.9
175	5.0 - 9.0% of mass 174	5.4 (7.8) 1
176	95.0 - 101.0% of mass 174	67 (95.7) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047795.D	09/25/2025	08:56
VX0925WBL01	VX0925WBL01	VX047797.D	09/25/2025	09:46
VX0925WBS01	VX0925WBS01	VX047798.D	09/25/2025	10:13
VPB184-HYD-20250919	Q3165-02	VX047800.D	09/25/2025	11:03
BP-VPB-184-TB-20250919	Q3165-01	VX047801.D	09/25/2025	11:24
BP-VPB-184-GW-240-242	Q3165-03	VX047802.D	09/25/2025	11:46
BP-VPB-184-GW-260-262	Q3165-04	VX047803.D	09/25/2025	12:07
BP-VPB-184-GW-280-282	Q3165-05	VX047804.D	09/25/2025	12:28
BP-VPB-184-DUP-20250922	Q3165-06	VX047805.D	09/25/2025	12:49
BP-VPB-184-GW-300-302	Q3165-07	VX047806.D	09/25/2025	13:10
BP-VPB-184-GW-320-322	Q3165-08	VX047820.D	09/25/2025	18:06
BP-VPB-184-GW-320-322MS	Q3165-09MS	VX047821.D	09/25/2025	18:27
BP-VPB-184-GW-320-322MSD	Q3165-10MSD	VX047822.D	09/25/2025	18:48
VSTDCCC050EC	VSTDCCC050	VX047823.D	09/25/2025	19:09

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06
Lab Code: ACE SDG NO.: Q3165
Lab File ID: VX047795.D Date Analyzed: 09/25/2025
Instrument ID: MSVOA_X Time Analyzed: 08:56
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	136107	5.53	245940	6.75	220262	10.04
UPPER LIMIT	272214	6.032	491880	7.245	440524	10.537
LOWER LIMIT	68053.5	5.032	122970	6.245	110131	9.537
EPA SAMPLE NO.						
BP-VPB-184-TB-20250919	119517	5.54	255275	6.75	257309	10.04
VPB184-HYD-20250919	120300	5.54	251100	6.75	252620	10.04
BP-VPB-184-GW-240-242	123778	5.54	260434	6.75	265025	10.04
BP-VPB-184-GW-260-262	129350	5.54	276238	6.75	289210	10.04
BP-VPB-184-GW-280-282	122004	5.54	260982	6.75	266894	10.04
BP-VPB-184-DUP-20250922	118043	5.54	252631	6.74	261796	10.04
BP-VPB-184-GW-300-302	119390	5.54	254220	6.75	261705	10.04
BP-VPB-184-GW-320-322	130467	5.54	276215	6.75	285610	10.04
BP-VPB-184-GW-320-322MS	135494	5.54	257414	6.75	243581	10.04
BP-VPB-184-GW-320-322MSD	107908	5.54	210706	6.75	179962	10.04
VX0925WBL01	117291	5.54	245721	6.75	251657	10.04
VX0925WBS01	146604	5.54	268605	6.75	252515	10.04

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: Alliance Contract: TETR06
Lab Code: ACE SDG NO.: Q3165
Lab File ID: VX047795.D Date Analyzed: 09/25/2025
Instrument ID: MSVOA_X Time Analyzed: 08:56
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	107538	12.00€				
UPPER LIMIT	215076	12.50€				
LOWER LIMIT	53769	11.50€				
EPA SAMPLE NO.						
BP-VPB-184-TB-20250919	127824	12.01				
VPB184-HYD-20250919	124631	12.01				
BP-VPB-184-GW-240-242	130114	12.01				
BP-VPB-184-GW-260-262	151799	12.01				
BP-VPB-184-GW-280-282	134705	12.01				
BP-VPB-184-DUP-20250922	135087	12.01				
BP-VPB-184-GW-300-302	127218	12.01				
BP-VPB-184-GW-320-322	145772	12.01				
BP-VPB-184-GW-320-322MS	121955	12.01				
BP-VPB-184-GW-320-322MSD	77374	12.01				
VX0925WBL01	126490	12.01				
VX0925WBS01	131521	12.01				

IS4 = 1,4-Dichlorobenzene-d4

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

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



SAMPLE DATA

1
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Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/19/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-TB-20250919		SDG No.:	Q3165	
Lab Sample ID:	Q3165-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047801.D	1	09/25/25 11:24	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	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	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	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	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	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	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/19/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-TB-20250919		SDG No.:	Q3165	
Lab Sample ID:	Q3165-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047801.D	1	09/25/25 11:24	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	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	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.5		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	47.9		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	120000	5.544				
540-36-3	1,4-Difluorobenzene	255000	6.745				
3114-55-4	Chlorobenzene-d5	257000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	128000	12.006				

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/19/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-TB-20250919		SDG No.:	Q3165
Lab Sample ID:	Q3165-01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047801.D	1	09/25/25 11:24	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

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\VX092525\
Data File : VX047801.D
Acq On : 25 Sep 2025 11:24
Operator : JC/MD
Sample : Q3165-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250919

Quant Time: Sep 26 01:24:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	119517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	255275	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	257309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127824	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	96089	50.509	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.020%
35) Dibromofluoromethane	5.373	113	80603	47.081	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.160%
50) Toluene-d8	8.635	98	283499	47.857	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.720%
62) 4-Bromofluorobenzene	11.067	95	117859	52.423	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.840%

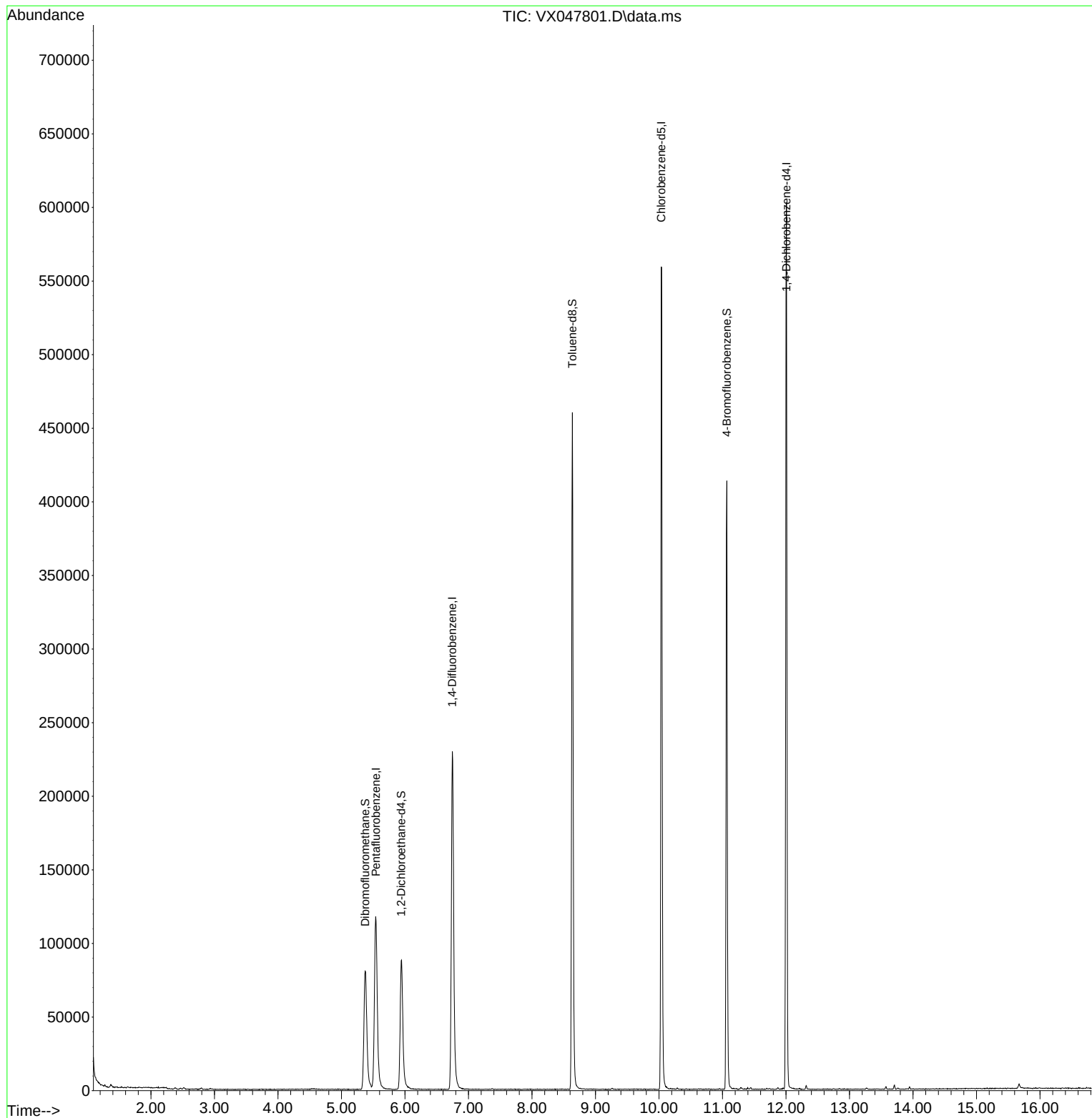
Target Compounds	Qvalue
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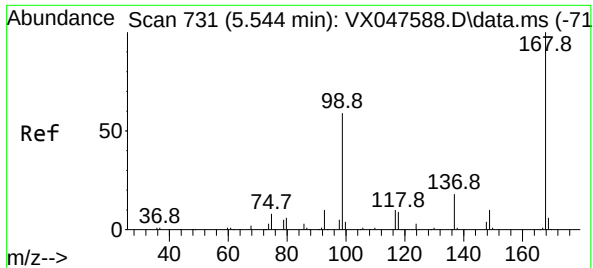
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047801.D
Acq On : 25 Sep 2025 11:24
Operator : JC/MD
Sample : Q3165-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250919

Quant Time: Sep 26 01:24:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

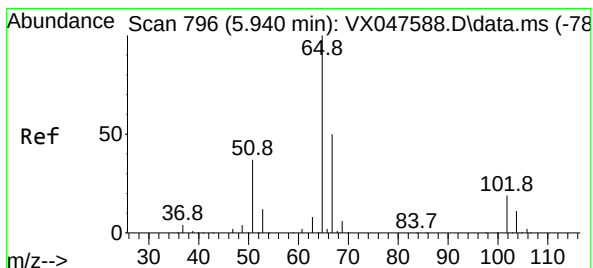
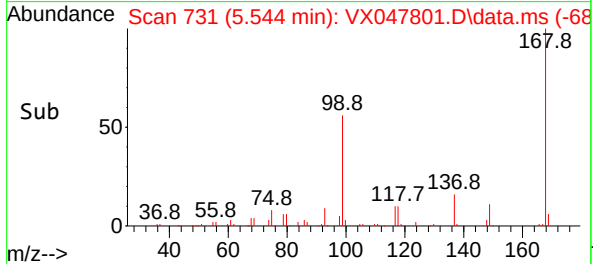
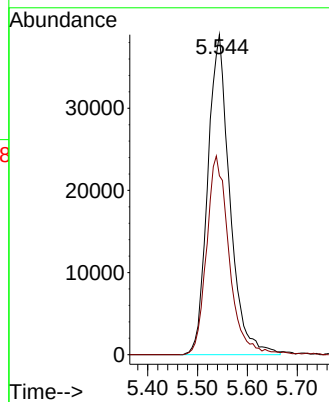
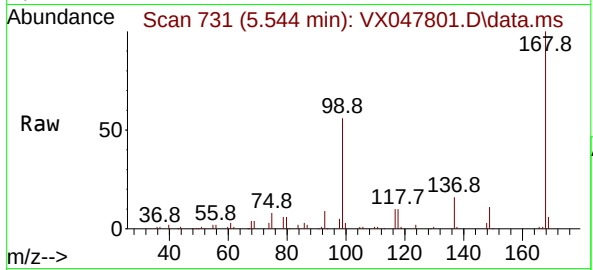




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

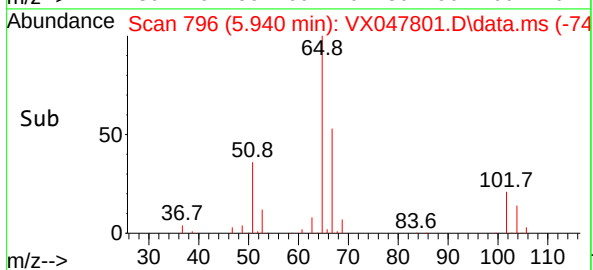
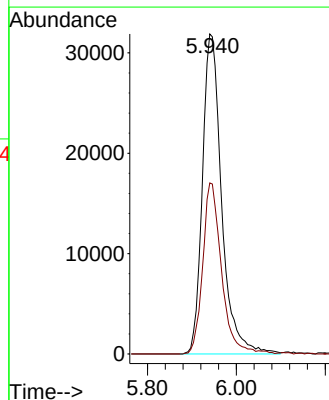
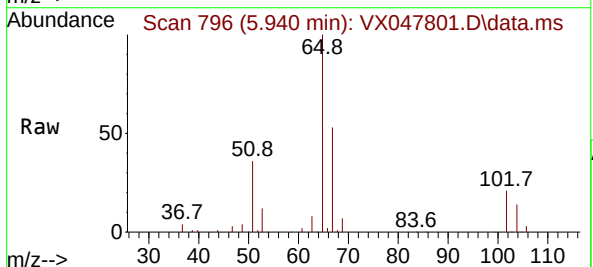
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250919

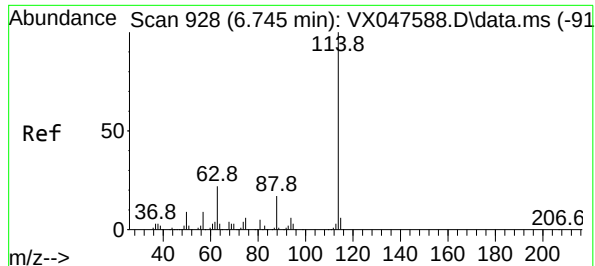
Tgt Ion:168 Resp: 119517
Ion Ratio Lower Upper
168 100
99 55.9 48.8 73.2



#33
1,2-Dichloroethane-d4
Concen: 50.509 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

Tgt Ion: 65 Resp: 96089
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX047801.D

Acq: 25 Sep 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-TB-20250919

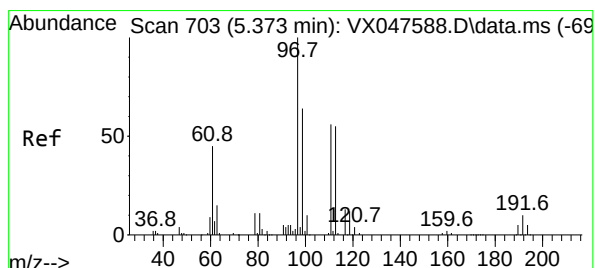
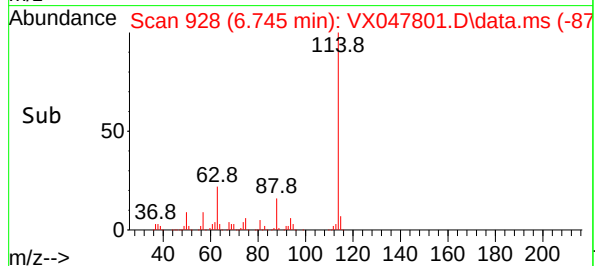
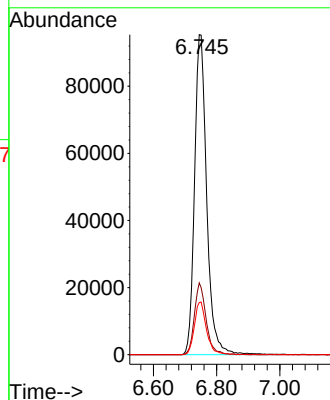
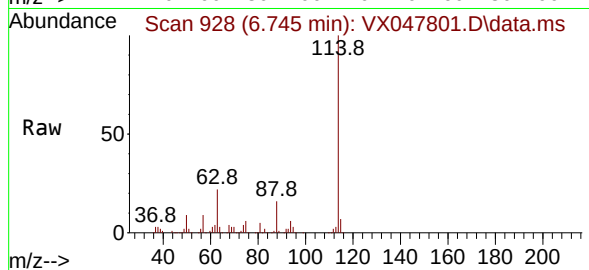
Tgt Ion:114 Resp: 255275

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.0

88 16.3 0.0 34.2



#35

Dibromofluoromethane

Concen: 47.081 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX047801.D

Acq: 25 Sep 2025 11:24

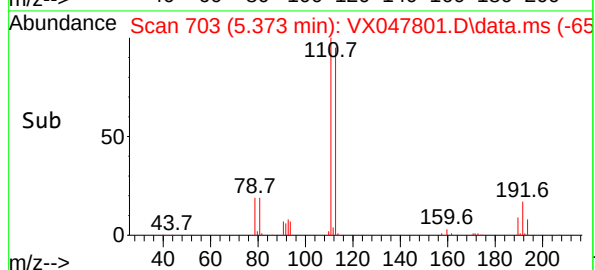
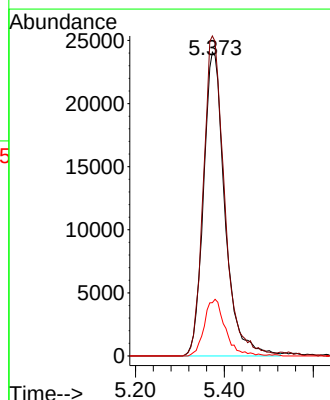
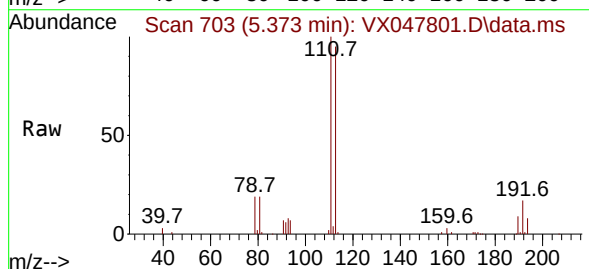
Tgt Ion:113 Resp: 80603

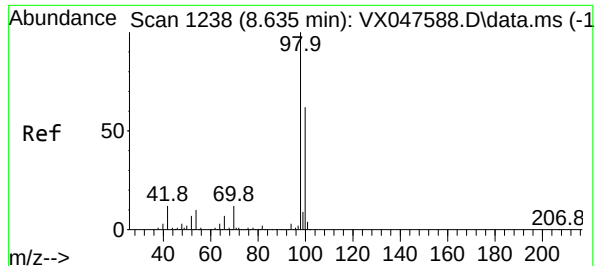
Ion Ratio Lower Upper

113 100

111 104.2 80.9 121.3

192 18.3 14.2 21.4





#50

Toluene-d8

Concen: 47.857 ug/l

RT: 8.635 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047801.D

Acq: 25 Sep 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

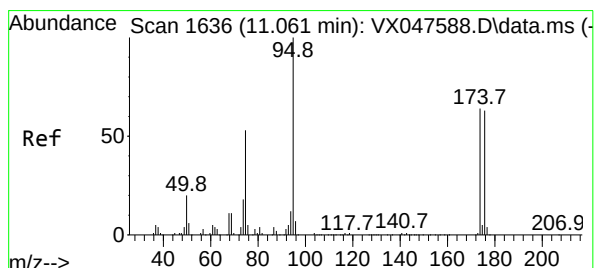
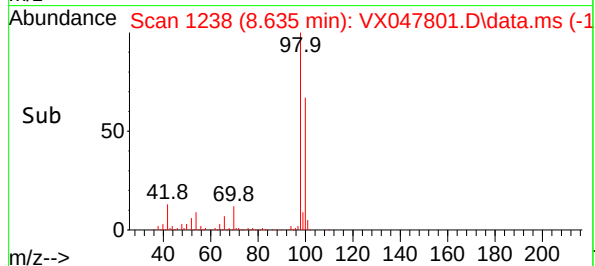
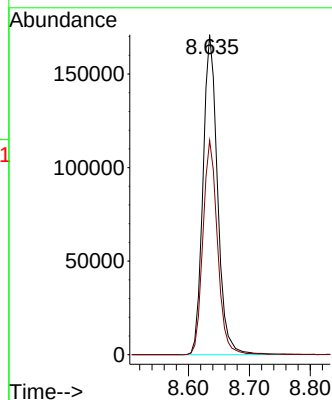
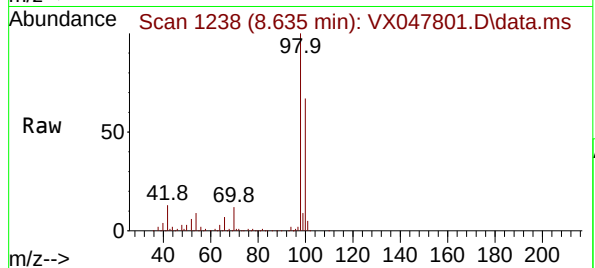
BP-VPB-184-TB-20250919

Tgt Ion: 98 Resp: 283499

Ion Ratio Lower Upper

98 100

100 67.0 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 52.423 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. 0.006 min

Lab File: VX047801.D

Acq: 25 Sep 2025 11:24

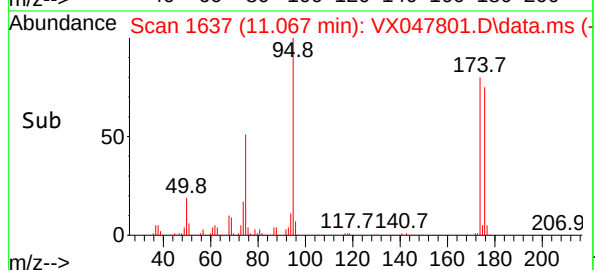
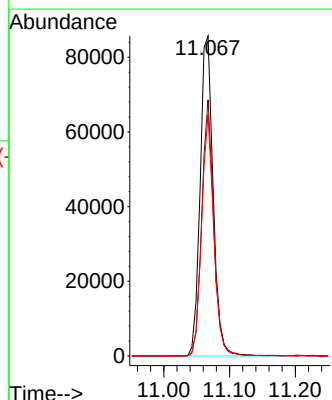
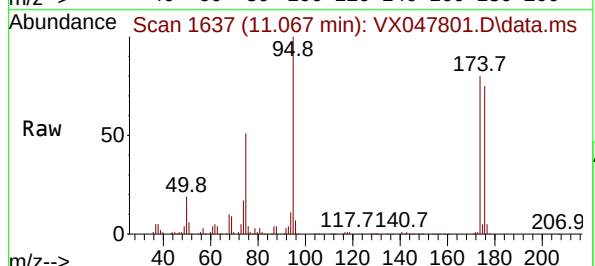
Tgt Ion: 95 Resp: 117859

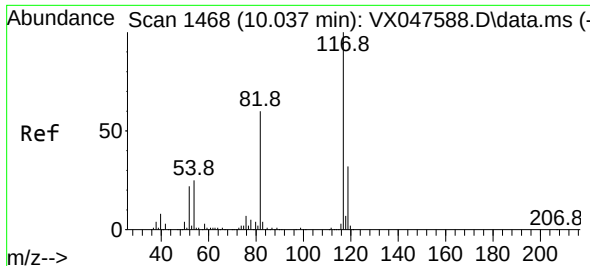
Ion Ratio Lower Upper

95 100

174 73.8 0.0 141.6

176 70.4 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX047801.D

Acq: 25 Sep 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-TB-20250919

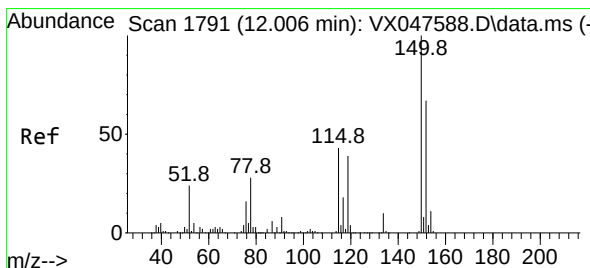
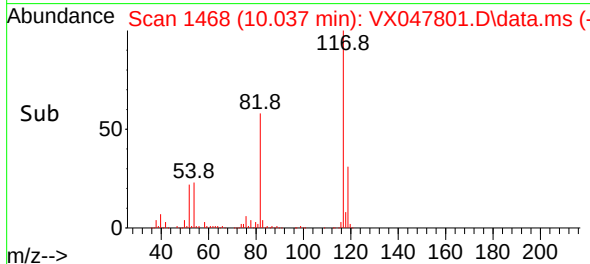
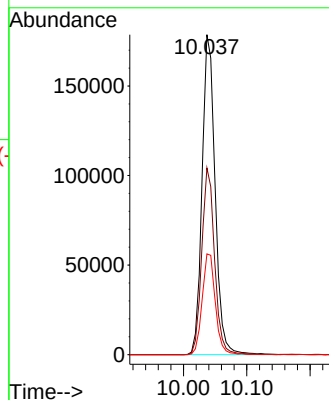
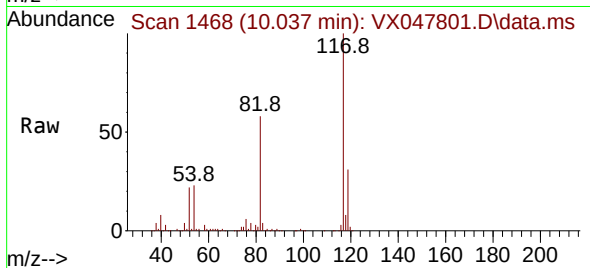
Tgt Ion:117 Resp: 257309

Ion Ratio Lower Upper

117 100

82 58.4 47.8 71.6

119 31.5 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX047801.D

Acq: 25 Sep 2025 11:24

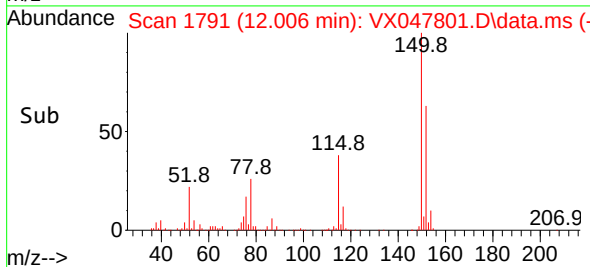
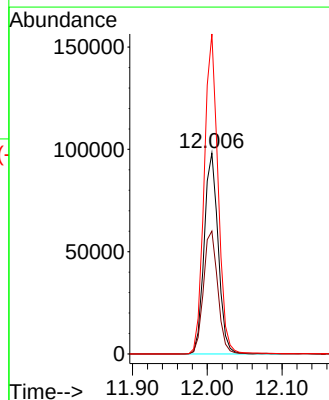
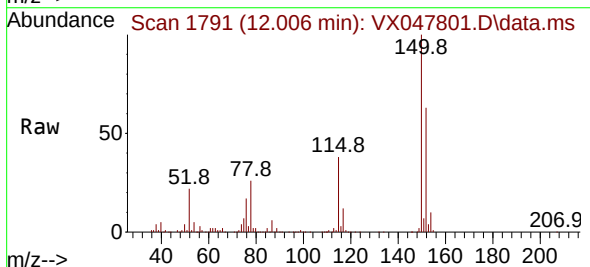
Tgt Ion:152 Resp: 127824

Ion Ratio Lower Upper

152 100

115 62.4 44.9 134.5

150 157.8 0.0 352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047801.D
Acq On : 25 Sep 2025 11:24
Operator : JC/MD
Sample : Q3165-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250919

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\82X091625W.M

Title : SW846 8260

Signal : TIC: VX047801.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.373	692	703	719	rBV3	80427	264216	32.89%	5.974%
2	5.538	719	730	751	rVB2	116832	369417	45.98%	8.352%
3	5.946	785	797	813	rBV	87840	260994	32.49%	5.901%
4	6.745	918	928	946	rBV	229521	601437	74.86%	13.598%
5	8.635	1231	1238	1256	rBV	459931	766899	95.45%	17.339%
6	10.037	1461	1468	1487	rBV	558921	803417	100.00%	18.164%
7	11.067	1631	1637	1651	rBV	413304	558810	69.55%	12.634%
8	12.006	1785	1791	1806	rBV	602113	797854	99.31%	18.039%

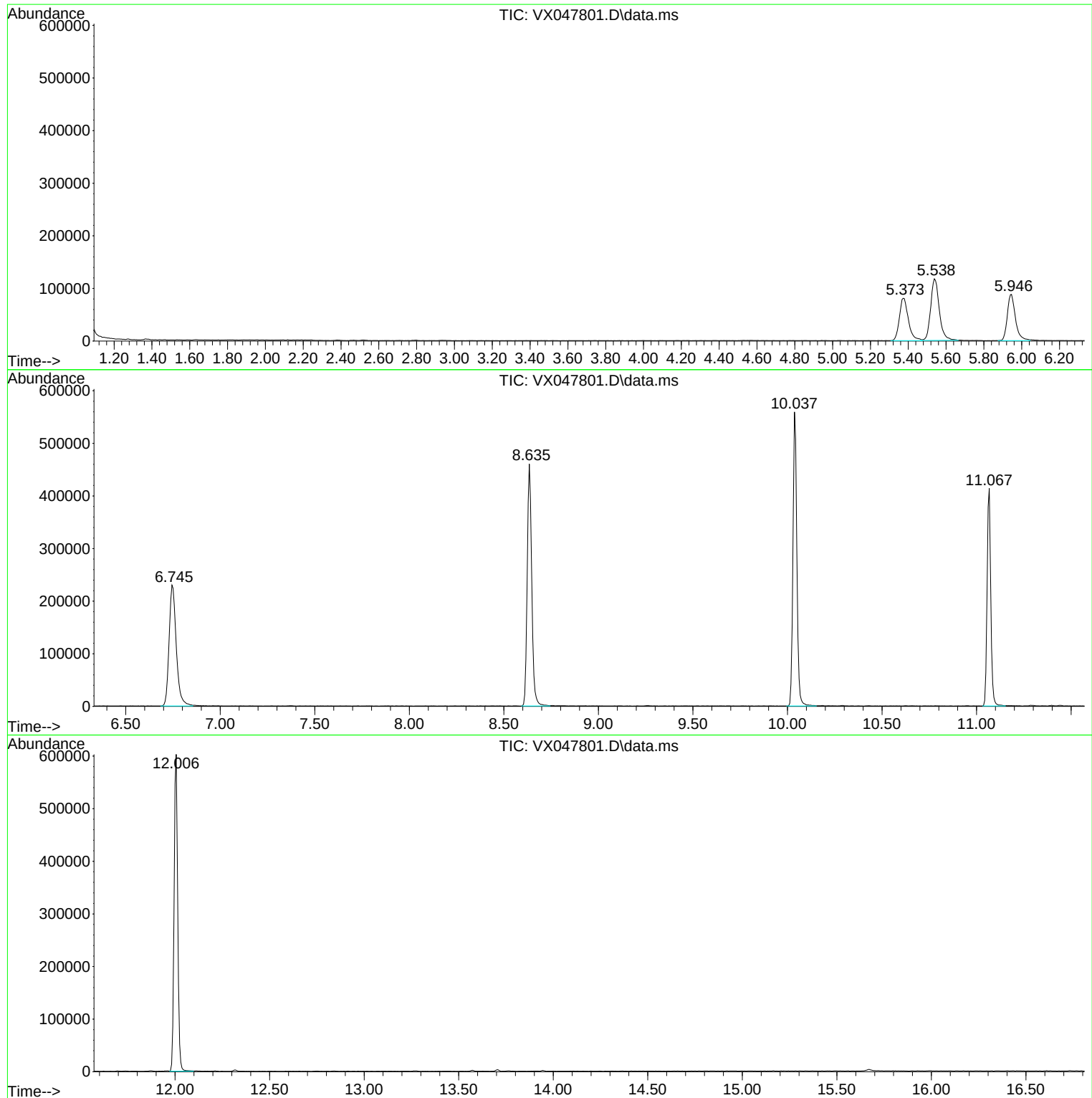
Sum of corrected areas: 4423044

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047801.D
Acq On : 25 Sep 2025 11:24
Operator : JC/MD
Sample : Q3165-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250919

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047801.D
Acq On : 25 Sep 2025 11:24
Operator : JC/MD
Sample : Q3165-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250919

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX092525\
Data File : VX047801.D
Acq On : 25 Sep 2025 11:24
Operator : JC/MD
Sample : Q3165-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250919

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	09/19/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25
Client Sample ID:	VPB184-HYD-20250919		SDG No.:	Q3165
Lab Sample ID:	Q3165-02		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047800.D	1	09/25/25 11:03	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	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	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	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	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	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	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/19/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	VPB184-HYD-20250919		SDG No.:	Q3165	
Lab Sample ID:	Q3165-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047800.D	1	09/25/25 11:03	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	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	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.7		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	47.8		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	120000	5.537				
540-36-3	1,4-Difluorobenzene	251000	6.745				
3114-55-4	Chlorobenzene-d5	253000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	125000	12.006				

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	09/19/25	
Project:	NWIRP Bethpage 112G08005-WE13			Date Received:	09/22/25	
Client Sample ID:	VPB184-HYD-20250919			SDG No.:	Q3165	
Lab Sample ID:	Q3165-02			Matrix:	Water	
Analytical Method:	8260D			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047800.D	1	09/25/25 11:03	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

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\VX092525\
Data File : VX047800.D
Acq On : 25 Sep 2025 11:03
Operator : JC/MD
Sample : Q3165-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250919

Quant Time: Sep 26 01:24:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	120300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	251100	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	252620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	124631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	95225	49.729	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	99.460%	
35) Dibromofluoromethane	5.373	113	79370	47.131	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.260%	
50) Toluene-d8	8.634	98	278502	47.795	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	95.580%	
62) 4-Bromofluorobenzene	11.061	95	116832	52.830	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	105.660%	

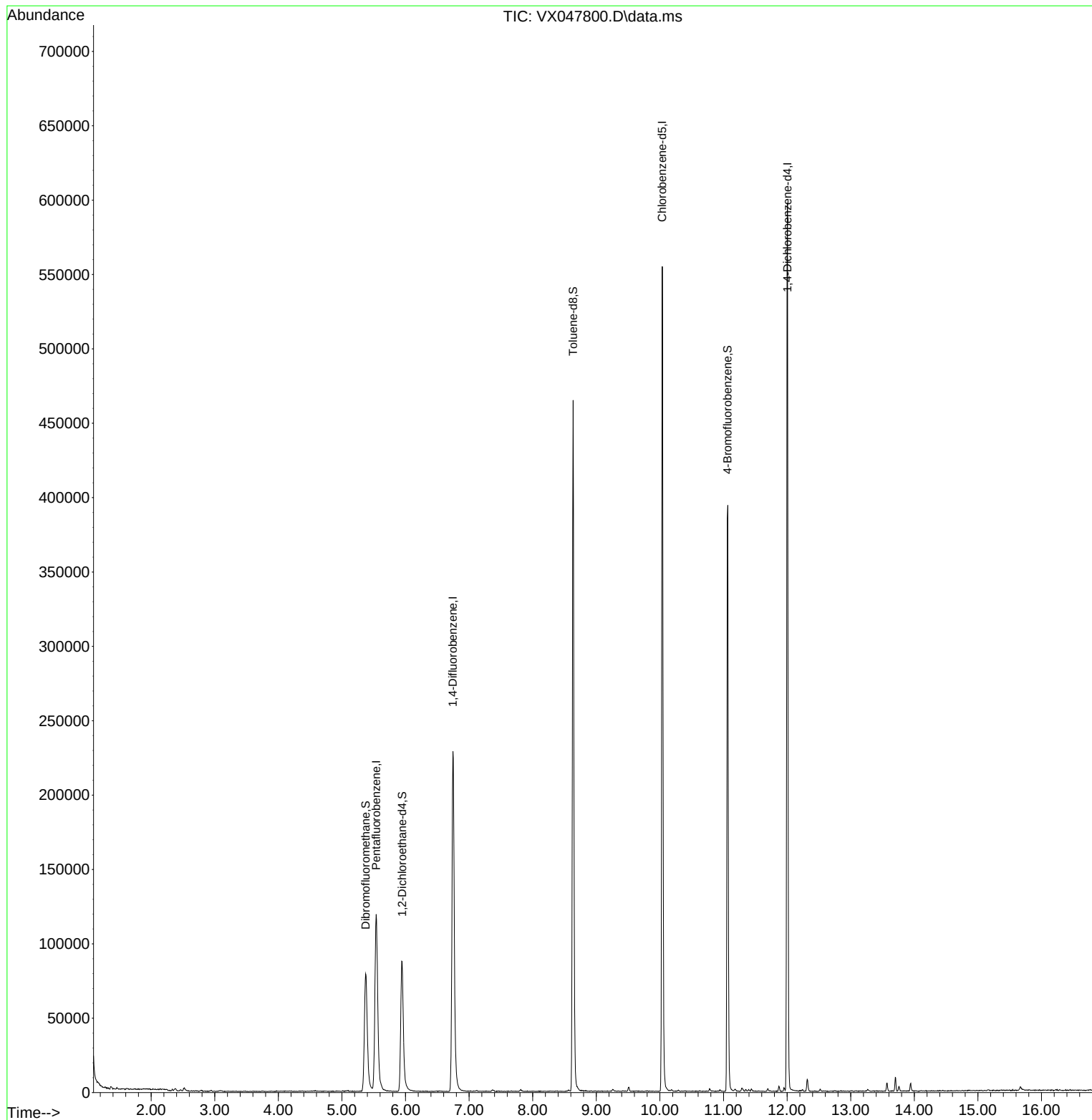
Target Compounds	Qvalue
------------------	--------

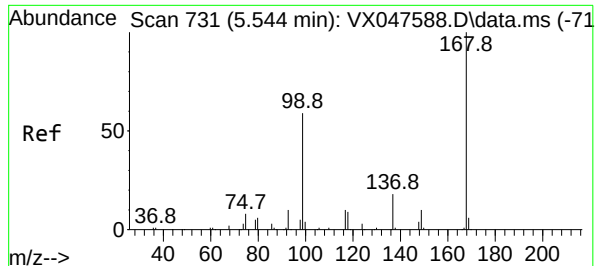
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047800.D
Acq On : 25 Sep 2025 11:03
Operator : JC/MD
Sample : Q3165-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250919

Quant Time: Sep 26 01:24:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

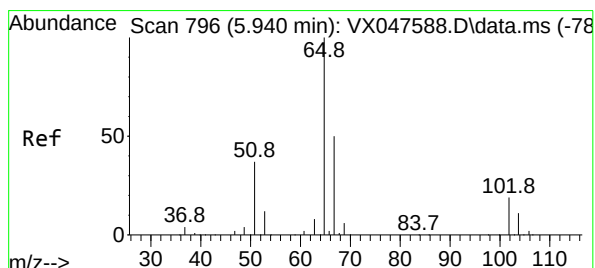
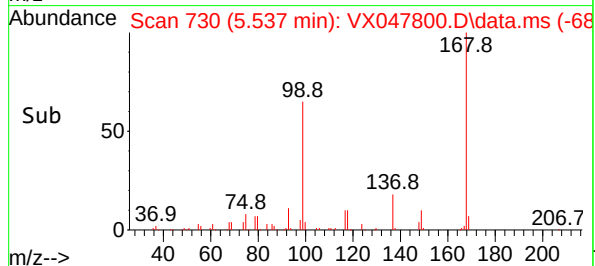
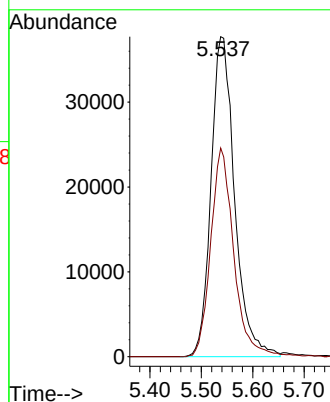
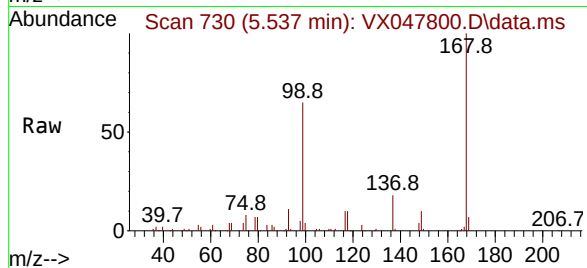




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX047800.D
Acq: 25 Sep 2025 11:03

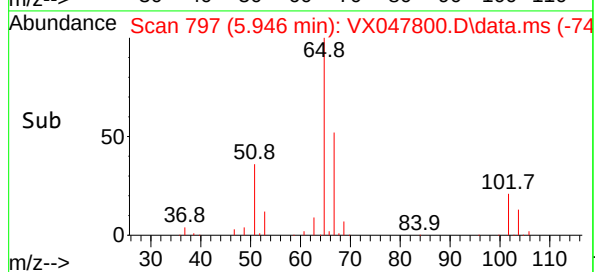
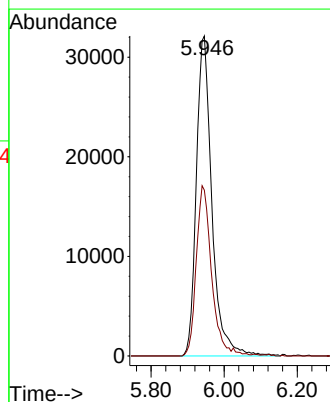
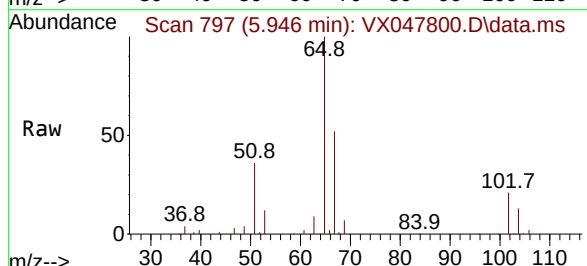
Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250919

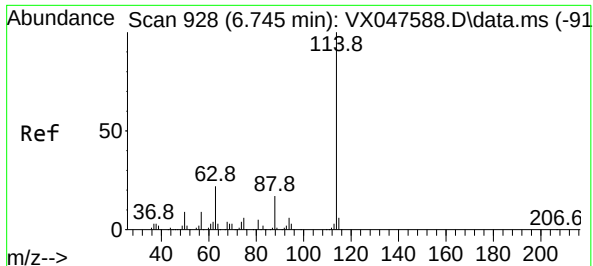
Tgt Ion:168 Resp: 120300
Ion Ratio Lower Upper
168 100
99 65.2 48.8 73.2



#33
1,2-Dichloroethane-d4
Concen: 49.729 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047800.D
Acq: 25 Sep 2025 11:03

Tgt Ion: 65 Resp: 95225
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX047800.D

Acq: 25 Sep 2025 11:03

Instrument :

MSVOA_X

ClientSampleId :

VPB184-HYD-20250919

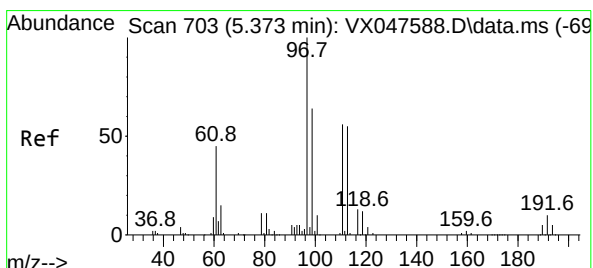
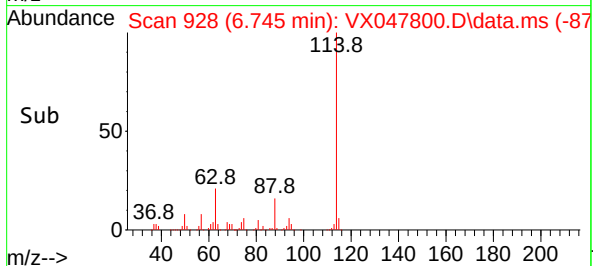
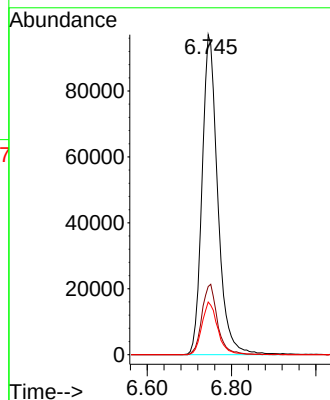
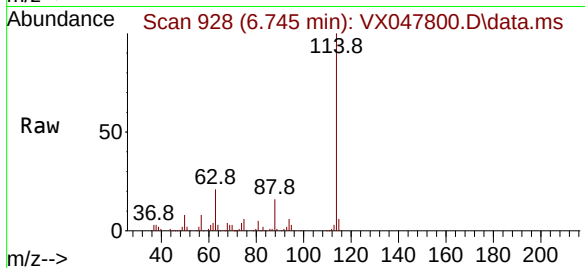
Tgt Ion:114 Resp: 251100

Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.0

88 16.5 0.0 34.2



#35

Dibromofluoromethane

Concen: 47.131 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047800.D

Acq: 25 Sep 2025 11:03

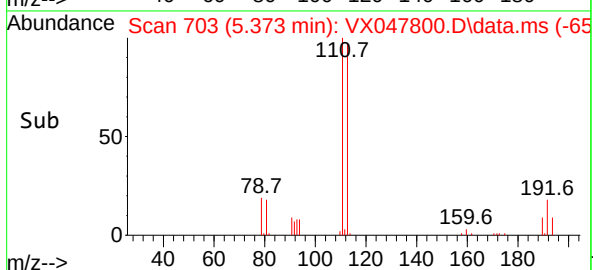
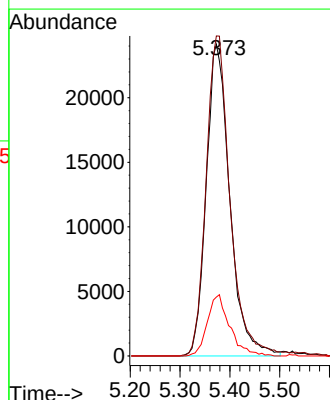
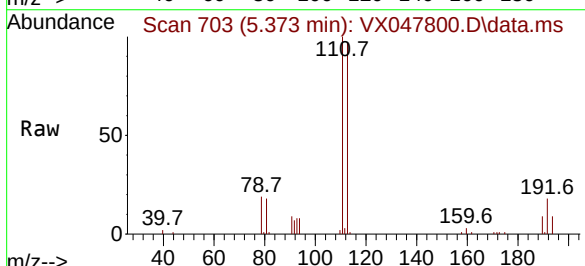
Tgt Ion:113 Resp: 79370

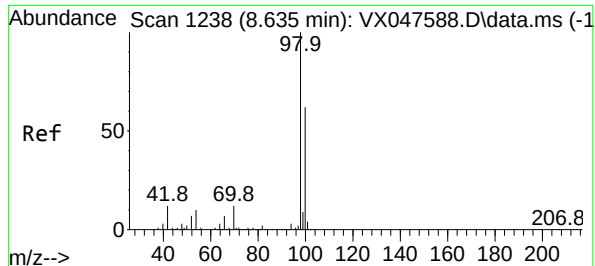
Ion Ratio Lower Upper

113 100

111 104.4 80.9 121.3

192 18.7 14.2 21.4





#50

Toluene-d8

Concen: 47.795 ug/l

RT: 8.634 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047800.D

Acq: 25 Sep 2025 11:03

Instrument :

MSVOA_X

ClientSampleId :

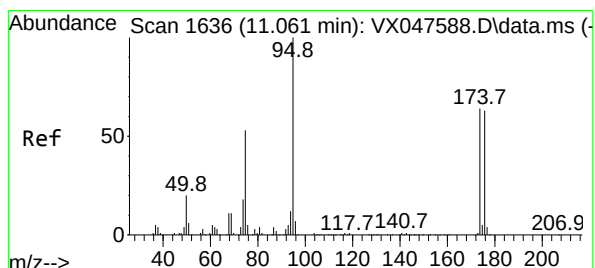
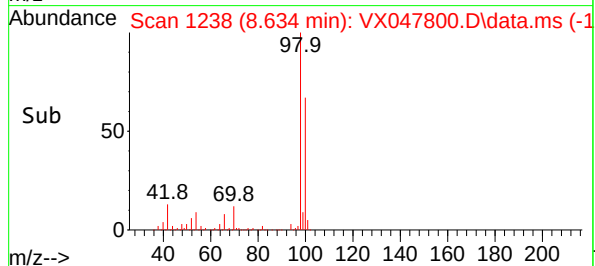
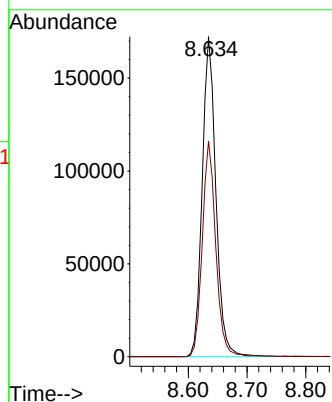
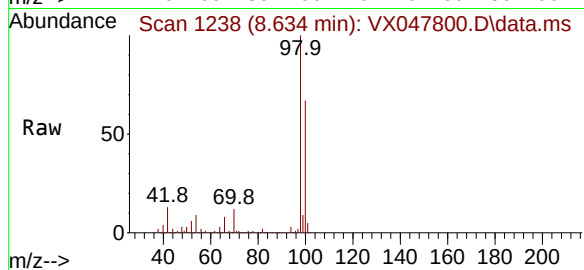
VPB184-HYD-20250919

Tgt Ion: 98 Resp: 278502

Ion Ratio Lower Upper

98 100

100 66.5 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 52.830 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX047800.D

Acq: 25 Sep 2025 11:03

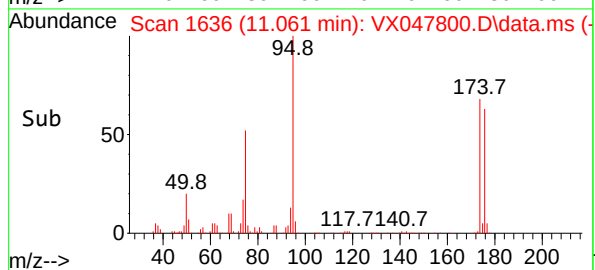
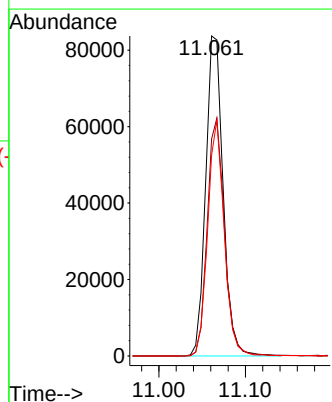
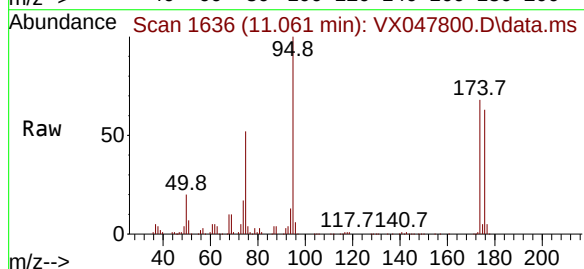
Tgt Ion: 95 Resp: 116832

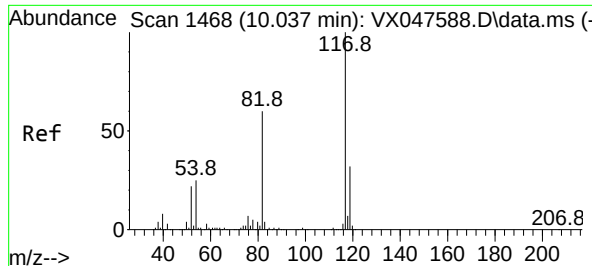
Ion Ratio Lower Upper

95 100

174 73.9 0.0 141.6

176 69.9 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX047800.D

Acq: 25 Sep 2025 11:03

Instrument :

MSVOA_X

ClientSampleId :

VPB184-HYD-20250919

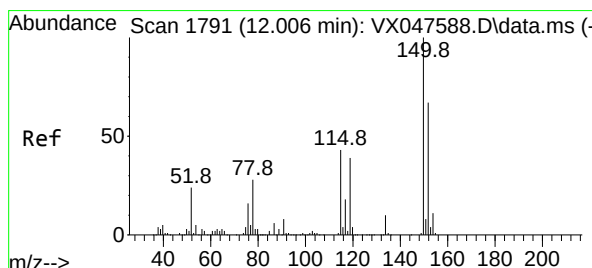
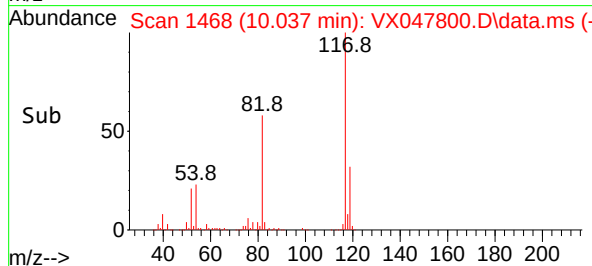
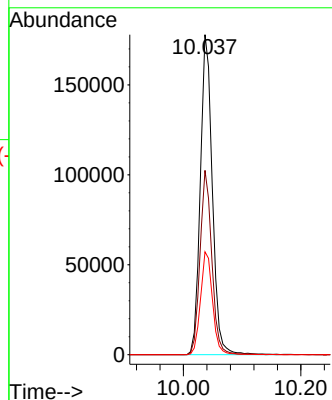
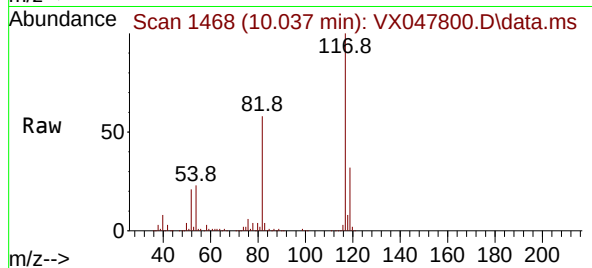
Tgt Ion:117 Resp: 252620

Ion Ratio Lower Upper

117 100

82 57.6 47.8 71.6

119 32.1 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047800.D

Acq: 25 Sep 2025 11:03

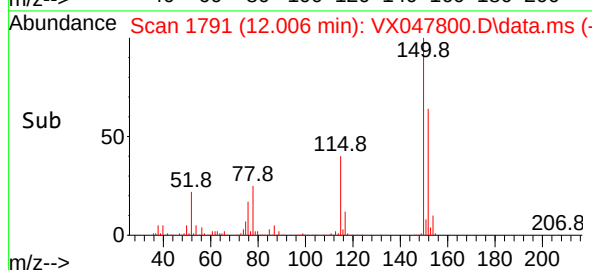
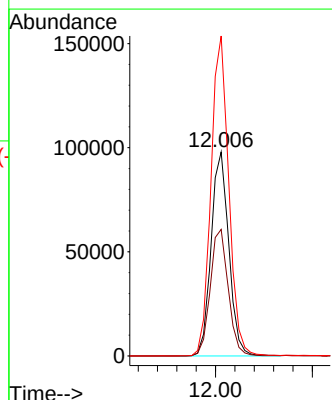
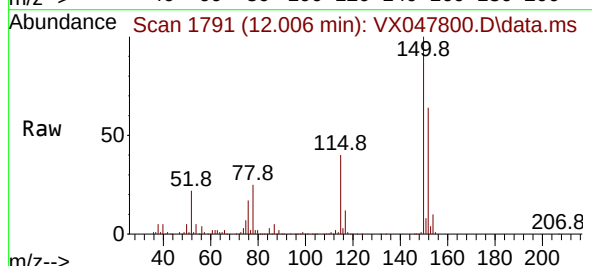
Tgt Ion:152 Resp: 124631

Ion Ratio Lower Upper

152 100

115 63.1 44.9 134.5

150 158.3 0.0 352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047800.D
Acq On : 25 Sep 2025 11:03
Operator : JC/MD
Sample : Q3165-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250919

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\82X091625W.M

Title : SW846 8260

Signal : TIC: VX047800.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.373	691	703	720	rBV4	78938	260726	33.08%	5.938%
2	5.537	720	730	749	rVB	118112	367385	46.62%	8.367%
3	5.940	785	796	820	rBV2	87585	262471	33.31%	5.978%
4	6.745	917	928	951	rBV	228725	598979	76.01%	13.642%
5	8.634	1231	1238	1256	rBV	464564	751827	95.40%	17.123%
6	10.037	1462	1468	1485	rBV	554390	788075	100.00%	17.949%
7	11.067	1631	1637	1650	rBV	393889	552736	70.14%	12.589%
8	12.006	1785	1791	1801	rBV	596589	784767	99.58%	17.874%
9	12.317	1838	1842	1849	rVB3	7964	12159	1.54%	0.277%
10	13.701	2065	2069	2074	rVB5	9242	11532	1.46%	0.263%

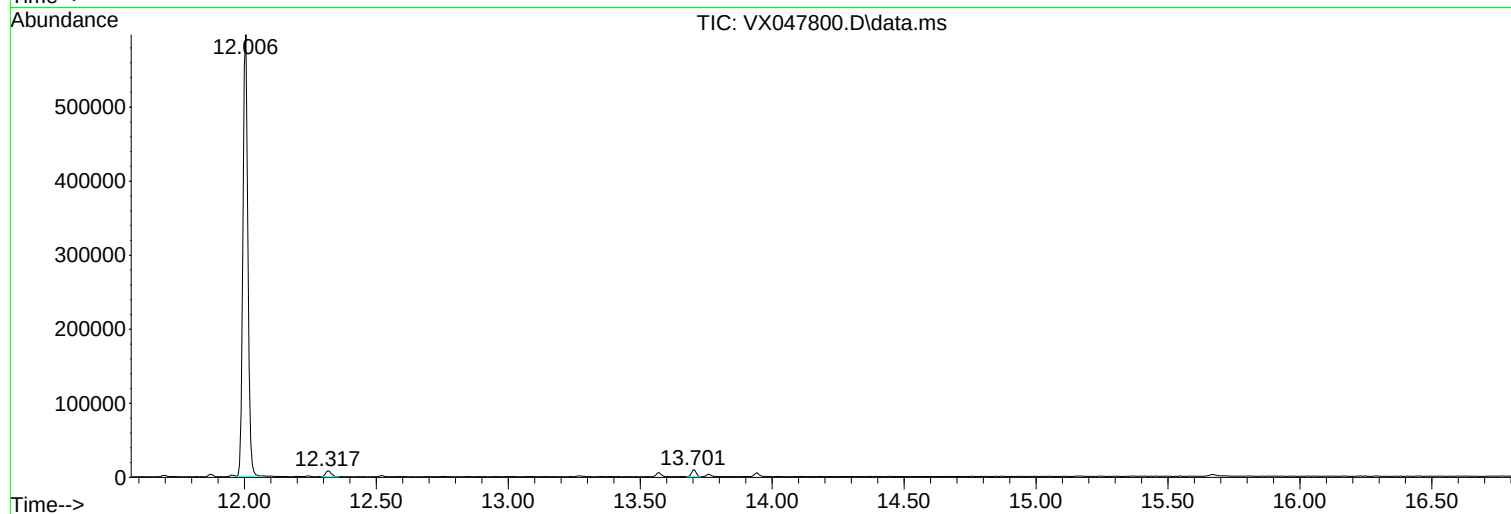
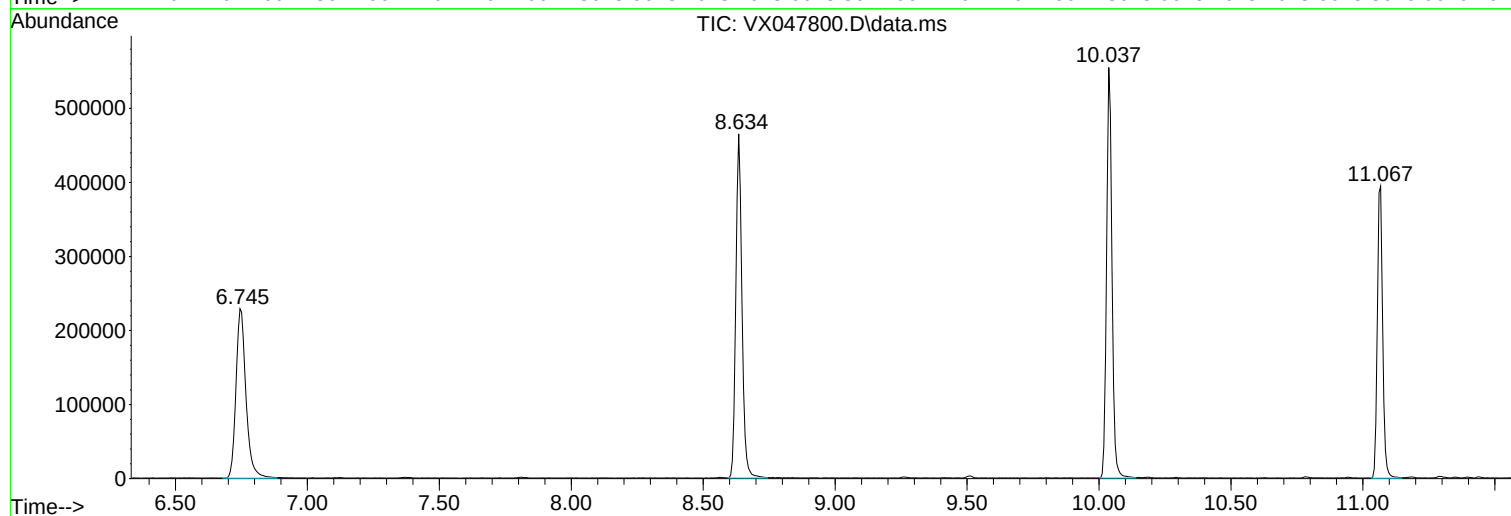
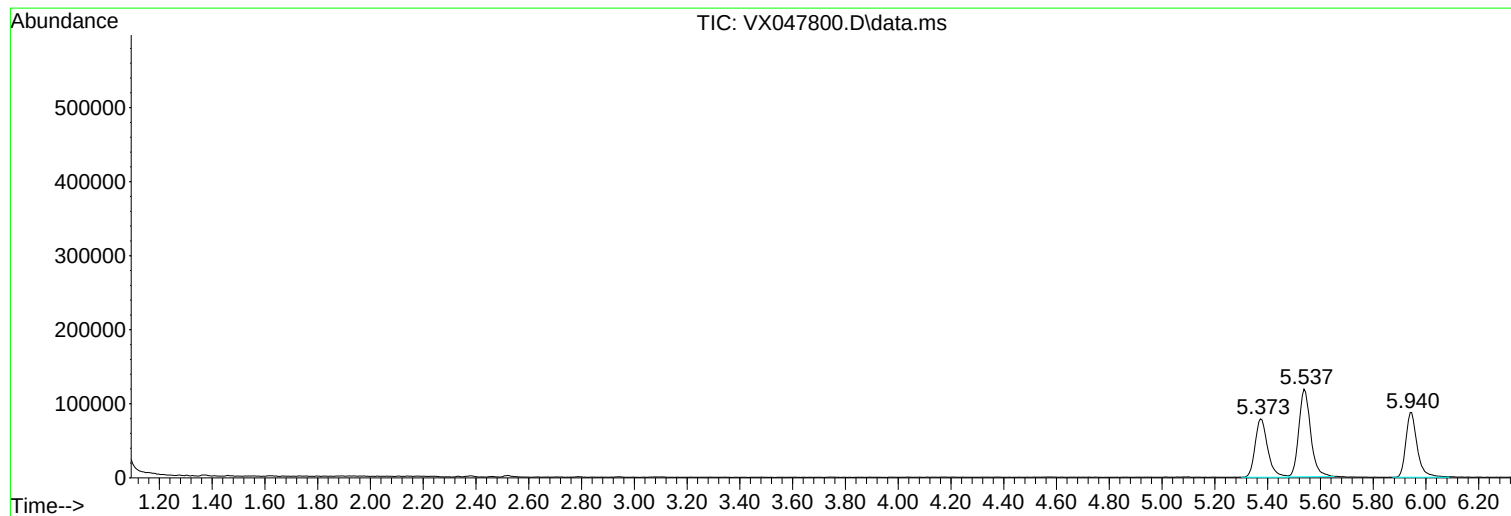
Sum of corrected areas: 4390657

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047800.D
Acq On : 25 Sep 2025 11:03
Operator : JC/MD
Sample : Q3165-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250919

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047800.D
Acq On : 25 Sep 2025 11:03
Operator : JC/MD
Sample : Q3165-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250919

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX092525\
Data File : VX047800.D
Acq On : 25 Sep 2025 11:03
Operator : JC/MD
Sample : Q3165-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250919

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	09/19/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-240-242		SDG No.:	Q3165	
Lab Sample ID:	Q3165-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047802.D	1	09/25/25 11:46	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.67	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	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	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	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	0.23	0.75	1.00	ug/L
67-64-1	Acetone	10.8		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.60	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	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	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/19/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-240-242		SDG No.:	Q3165	
Lab Sample ID:	Q3165-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047802.D	1	09/25/25 11:46	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	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	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.8		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	47.4		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	124000	5.544				
540-36-3	1,4-Difluorobenzene	260000	6.751				
3114-55-4	Chlorobenzene-d5	265000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	130000	12.006				

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/19/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-GW-240-242		SDG No.:	Q3165
Lab Sample ID:	Q3165-03		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047802.D	1	09/25/25 11:46	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

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\VX092525\
Data File : VX047802.D
Acq On : 25 Sep 2025 11:46
Operator : JC/MD
Sample : Q3165-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-240-242

Quant Time: Sep 26 01:25:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

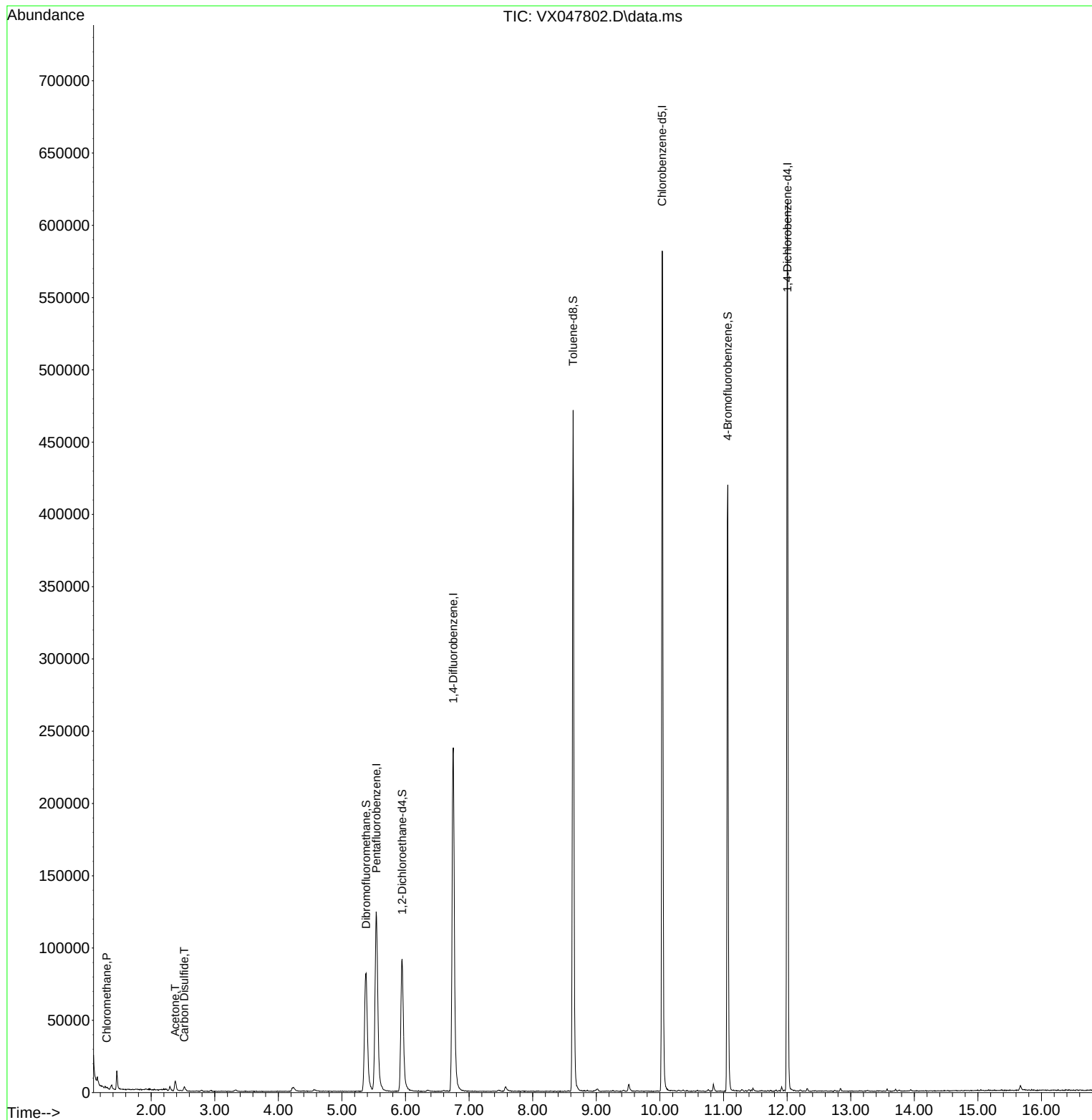
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	123778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	260434	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	265025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	130114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	98189	49.836	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	99.680%	
35) Dibromofluoromethane	5.379	113	82214	47.071	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.140%	
50) Toluene-d8	8.635	98	286170	47.351	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	94.700%	
62) 4-Bromofluorobenzene	11.067	95	118315	51.583	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	103.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	1131	0.671	ug/l #	88
16) Acetone	2.380	43	9289	10.843	ug/l #	87
17) Carbon Disulfide	2.520	76	2412	0.599	ug/l	96

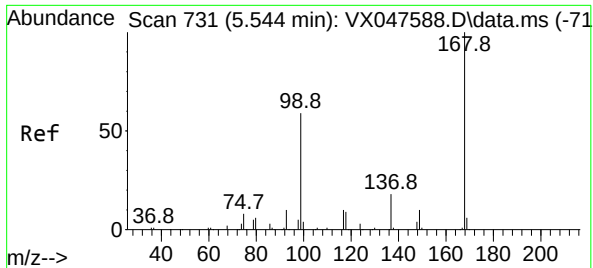
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047802.D
Acq On : 25 Sep 2025 11:46
Operator : JC/MD
Sample : Q3165-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-240-242

Quant Time: Sep 26 01:25:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

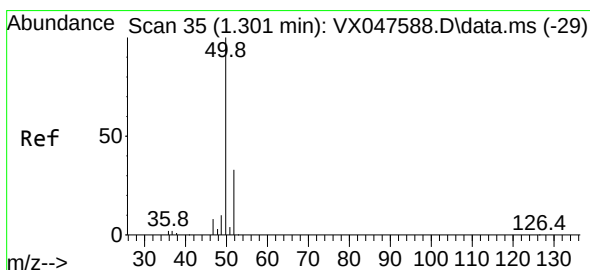
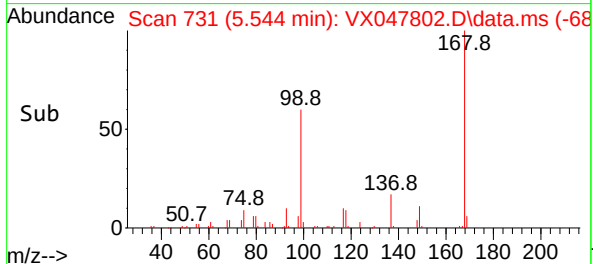
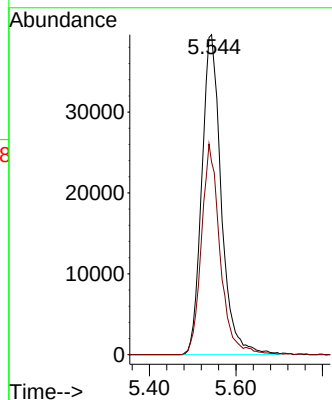
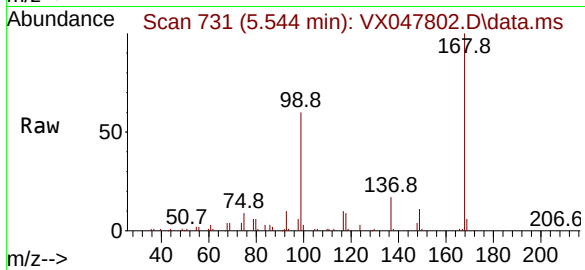




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

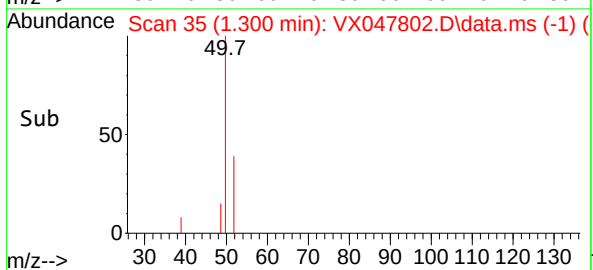
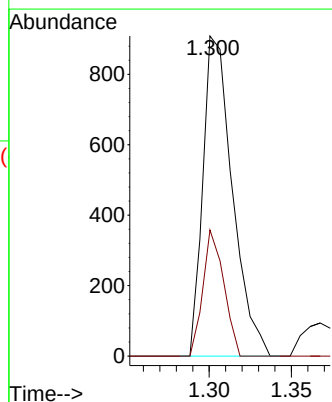
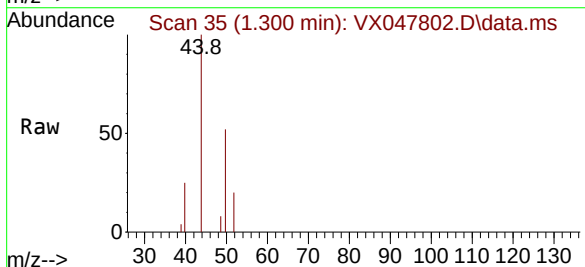
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-240-242

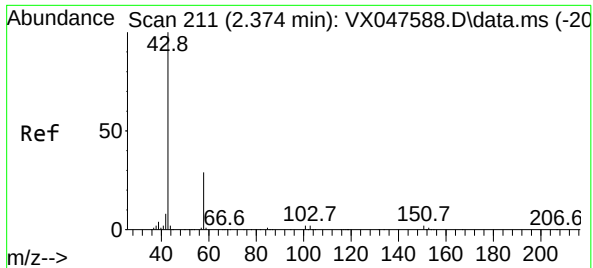
Tgt Ion:168 Resp: 123778
Ion Ratio Lower Upper
168 100
99 60.2 48.8 73.2



#3
Chloromethane
Concen: 0.671 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

Tgt Ion: 50 Resp: 1131
Ion Ratio Lower Upper
50 100
52 39.4 26.1 39.1#

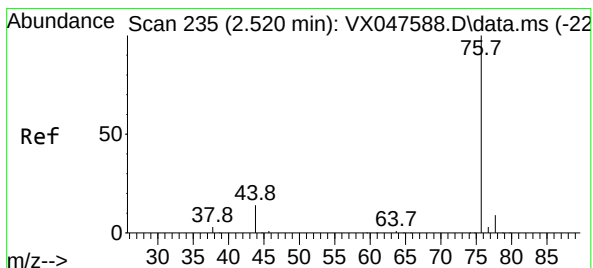
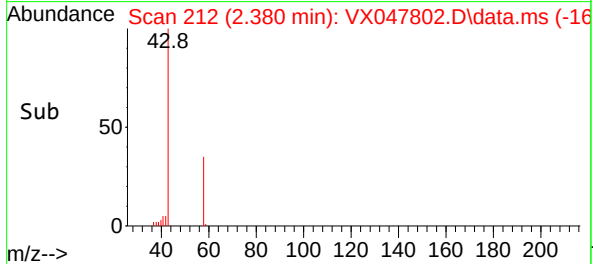
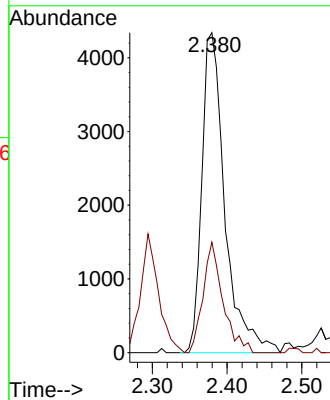
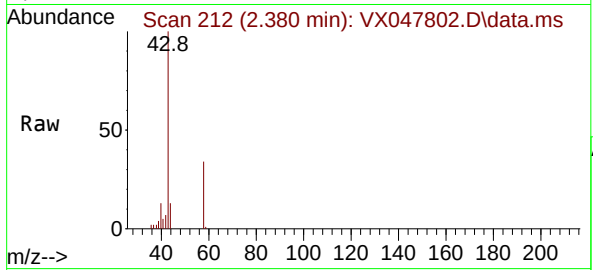




#16
Acetone
Concen: 10.843 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

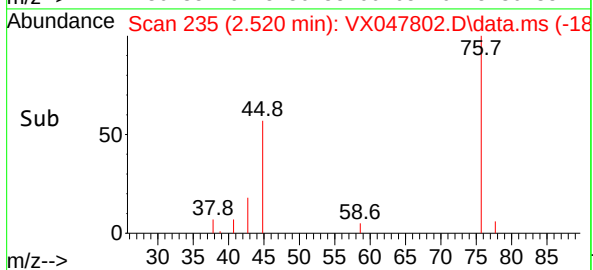
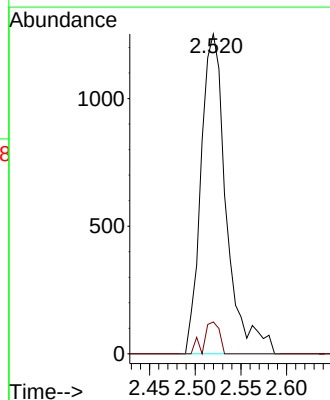
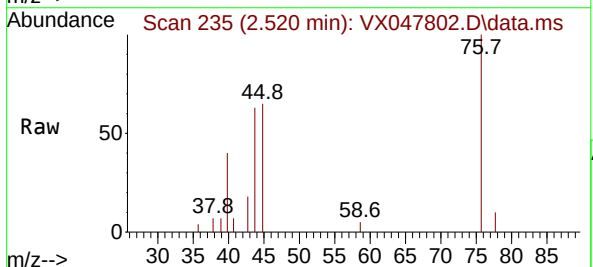
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-240-242

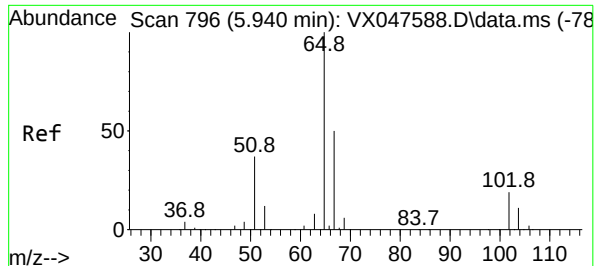
Tgt Ion: 43 Resp: 9289
Ion Ratio Lower Upper
43 100
58 36.0 23.4 35.0#



#17
Carbon Disulfide
Concen: 0.599 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

Tgt Ion: 76 Resp: 2412
Ion Ratio Lower Upper
76 100
78 10.0 6.8 10.2





#33

1,2-Dichloroethane-d4

Concen: 49.836 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047802.D

Acq: 25 Sep 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

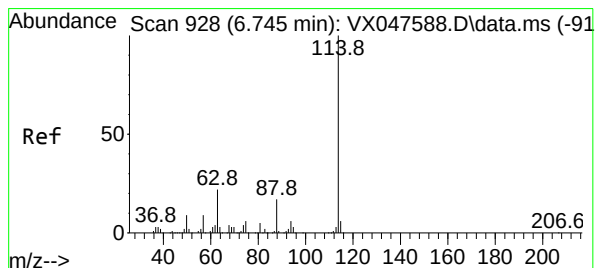
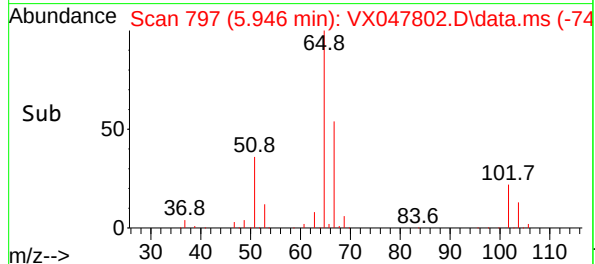
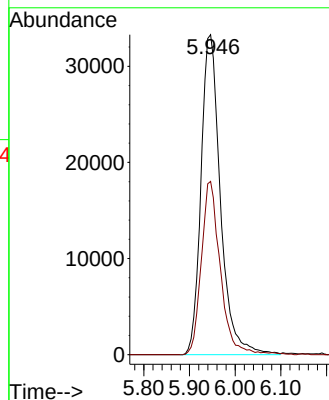
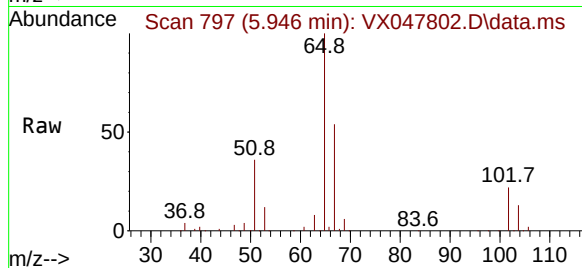
BP-VPB-184-GW-240-242

Tgt Ion: 65 Resp: 98189

Ion Ratio Lower Upper

65 100

67 53.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047802.D

Acq: 25 Sep 2025 11:46

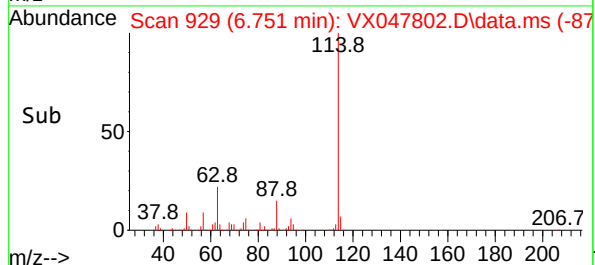
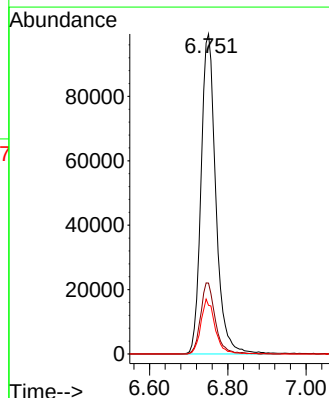
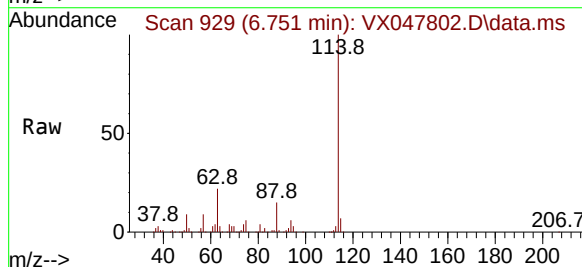
Tgt Ion: 114 Resp: 260434

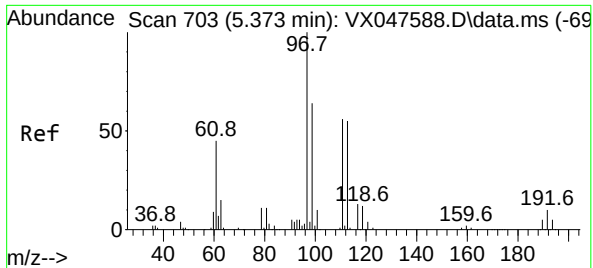
Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.0

88 15.2 0.0 34.2





#35

Dibromofluoromethane

Concen: 47.071 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX047802.D

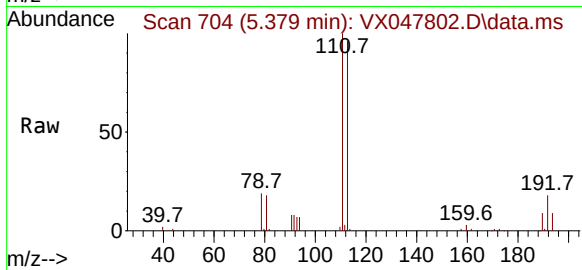
Acq: 25 Sep 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-240-242



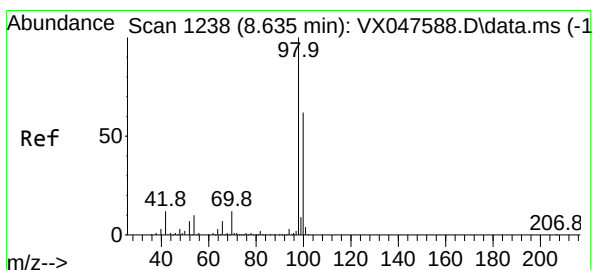
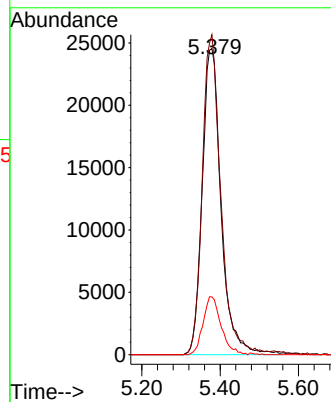
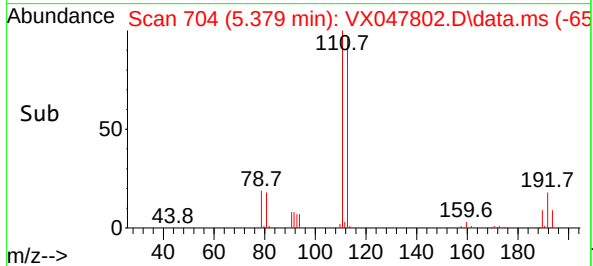
Tgt Ion:113 Resp: 82214

Ion Ratio Lower Upper

113 100

111 102.4 80.9 121.3

192 18.0 14.2 21.4



#50

Toluene-d8

Concen: 47.351 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047802.D

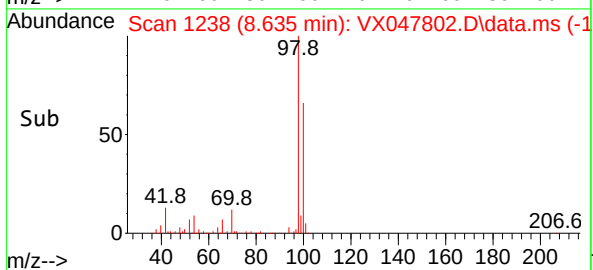
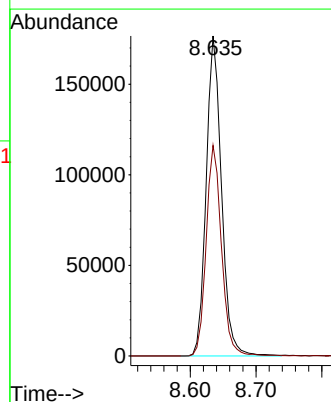
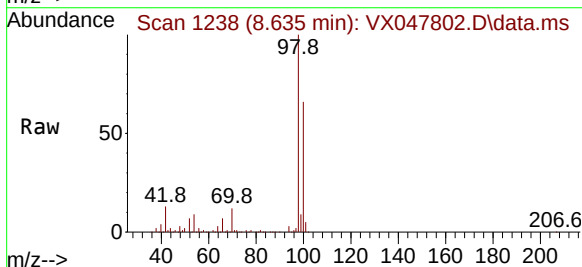
Acq: 25 Sep 2025 11:46

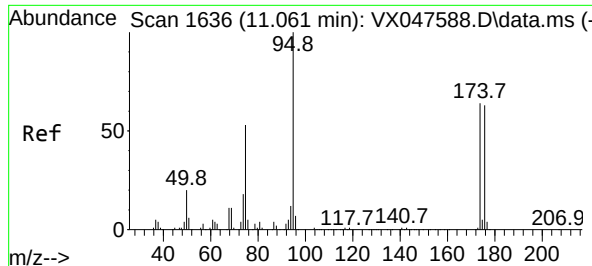
Tgt Ion: 98 Resp: 286170

Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.4





#62

4-Bromofluorobenzene

Concen: 51.583 ug/l

RT: 11.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX047802.D

Acq: 25 Sep 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-240-242

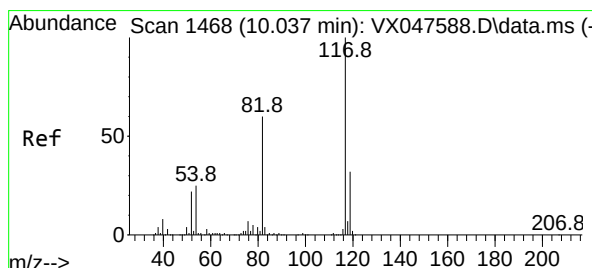
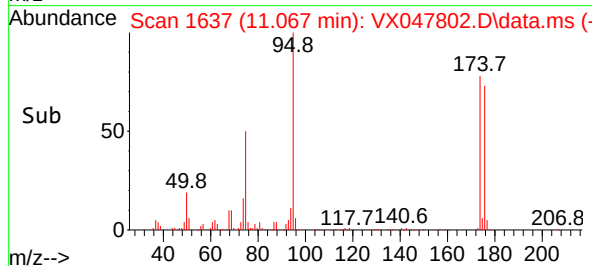
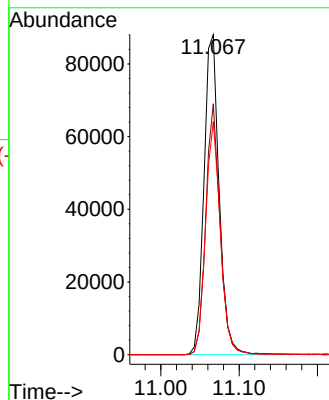
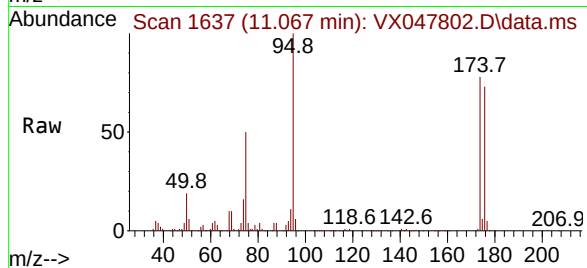
Tgt Ion: 95 Resp: 118315

Ion Ratio Lower Upper

95 100

174 74.2 0.0 141.6

176 71.1 0.0 138.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX047802.D

Acq: 25 Sep 2025 11:46

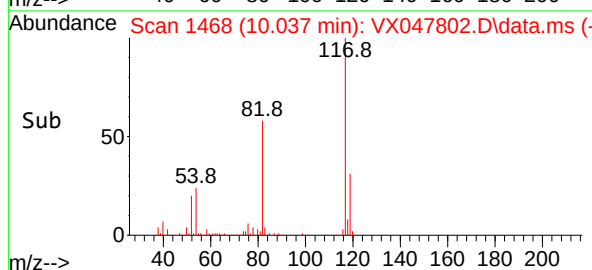
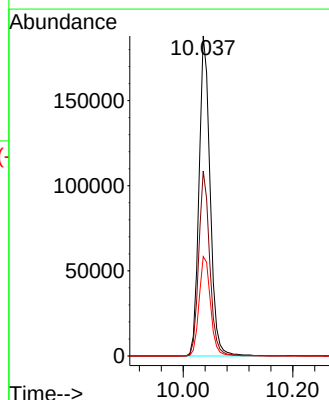
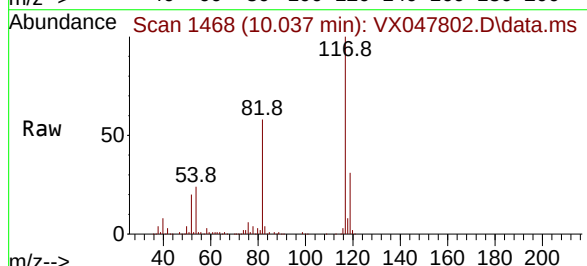
Tgt Ion: 117 Resp: 265025

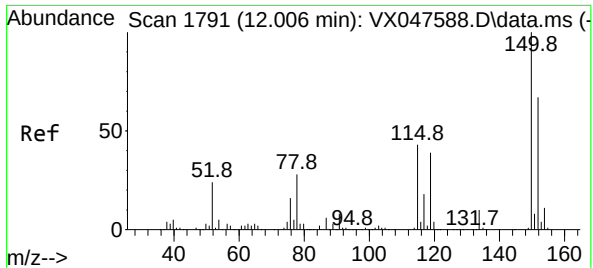
Ion Ratio Lower Upper

117 100

82 57.8 47.8 71.6

119 31.0 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047802.D

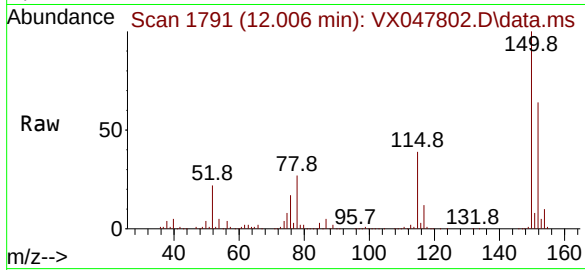
Acq: 25 Sep 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-240-242



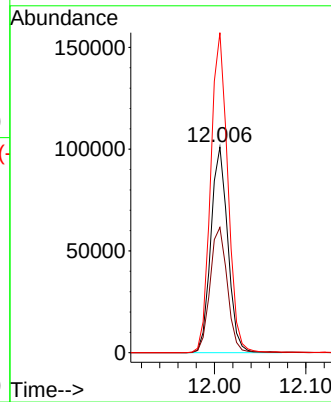
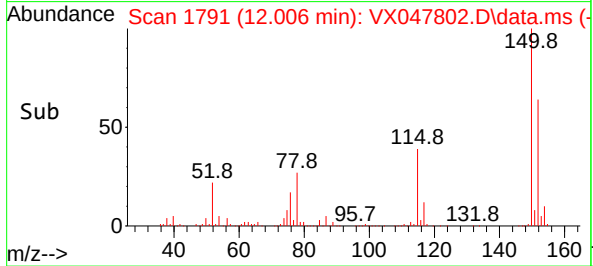
Tgt Ion:152 Resp: 130114

Ion Ratio Lower Upper

152 100

115 62.1 44.9 134.5

150 157.3 0.0 352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047802.D
Acq On : 25 Sep 2025 11:46
Operator : JC/MD
Sample : Q3165-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-240-242

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\82X091625W.M

Title : SW846 8260

Signal : TIC: VX047802.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.154	9	11	21	rVB4	6578	10481	1.27%	0.230%
2	1.459	57	61	68	rBV	13003	17053	2.07%	0.374%
3	2.380	206	212	223	rBV	6835	13996	1.70%	0.307%
4	4.239	510	517	527	rBV4	2661	8499	1.03%	0.186%
5	5.379	691	704	720	rBV5	81738	266956	32.34%	5.847%
6	5.538	720	730	750	rVB	123438	376834	45.66%	8.254%
7	5.946	787	797	813	rBV	91557	266680	32.31%	5.841%
8	6.751	920	929	953	rBV	237504	619179	75.02%	13.562%
9	8.635	1231	1238	1256	rBV	471238	771913	93.53%	16.907%
10	9.512	1376	1382	1390	rVB5	4794	9185	1.11%	0.201%
11	10.037	1462	1468	1483	rBV	581206	825348	100.00%	18.078%
12	11.067	1631	1637	1648	rBV	419621	566696	68.66%	12.412%
13	12.006	1785	1791	1799	rBV	614245	812733	98.47%	17.801%

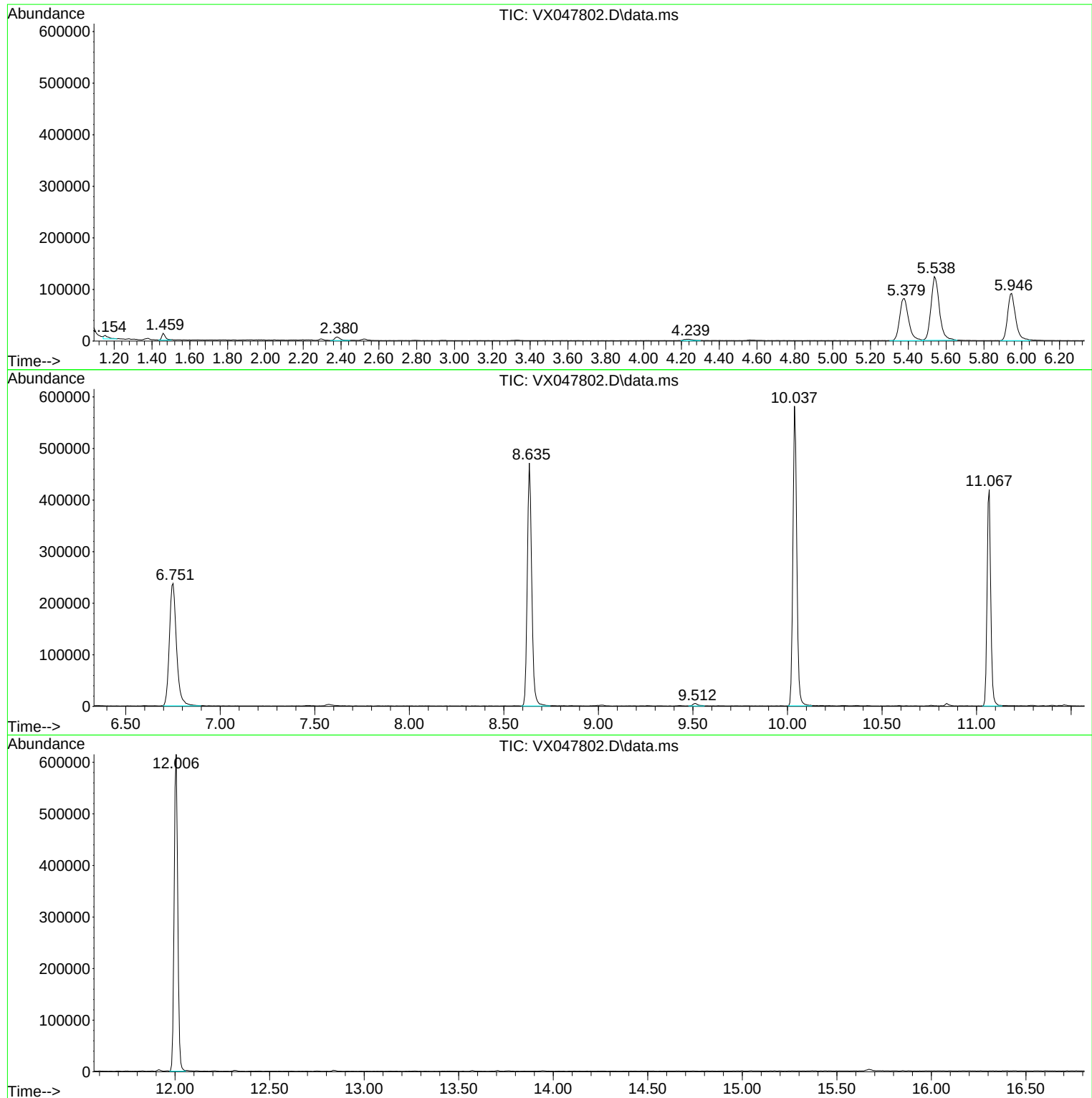
Sum of corrected areas: 4565553

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047802.D
Acq On : 25 Sep 2025 11:46
Operator : JC/MD
Sample : Q3165-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-240-242

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047802.D
Acq On : 25 Sep 2025 11:46
Operator : JC/MD
Sample : Q3165-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-240-242

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX092525\
Data File : VX047802.D
Acq On : 25 Sep 2025 11:46
Operator : JC/MD
Sample : Q3165-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-240-242

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	09/19/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-260-262		SDG No.:	Q3165	
Lab Sample ID:	Q3165-04		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047803.D	1	09/25/25 12:07	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	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	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	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	0.23	0.75	1.00	ug/L
67-64-1	Acetone	8.30		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.33	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	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	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/19/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-260-262		SDG No.:	Q3165	
Lab Sample ID:	Q3165-04		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047803.D	1	09/25/25 12:07	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	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	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.7		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.7		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	129000	5.544				
540-36-3	1,4-Difluorobenzene	276000	6.751				
3114-55-4	Chlorobenzene-d5	289000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	152000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	09/19/25	
Project:	NWIRP Bethpage 112G08005-WE13			Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-260-262			SDG No.:	Q3165	
Lab Sample ID:	Q3165-04			Matrix:	Water	
Analytical Method:	8260D			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047803.D	1	09/25/25 12:07	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

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\VX092525\
Data File : VX047803.D
Acq On : 25 Sep 2025 12:07
Operator : JC/MD
Sample : Q3165-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-260-262

Quant Time: Sep 26 01:25:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

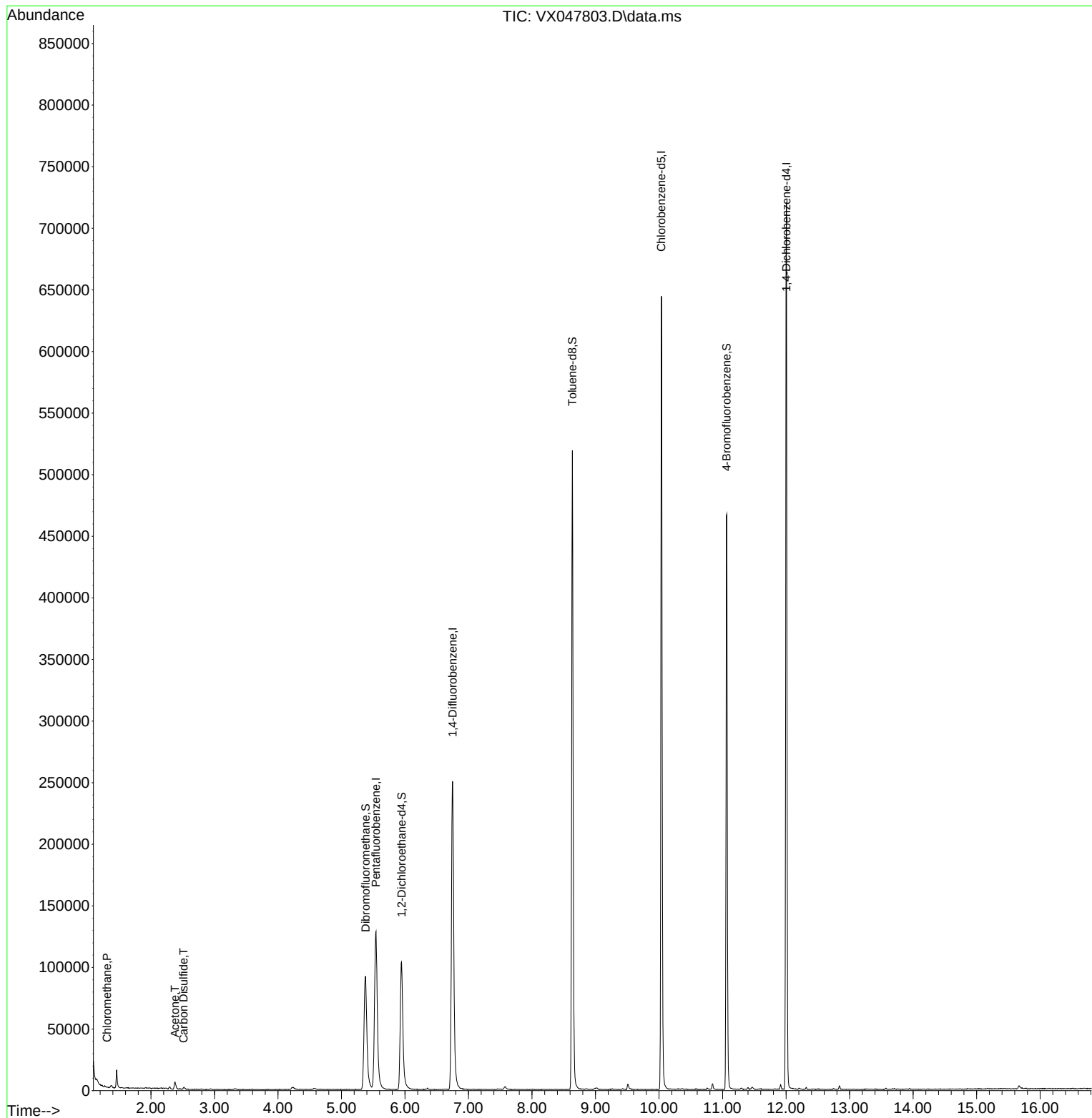
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	276238	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	289210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	112618	54.697	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 109.400%		
35) Dibromofluoromethane	5.379	113	92276	49.809	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 99.620%		
50) Toluene-d8	8.634	98	312248	48.710	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 97.420%		
62) 4-Bromofluorobenzene	11.061	95	137883	56.675	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 113.360%		
Target Compounds						Qvalue
3) Chloromethane	1.307	50	515	0.293	ug/l	89
16) Acetone	2.379	43	7471	8.345	ug/l	94
17) Carbon Disulfide	2.514	76	1366	0.325	ug/l #	89

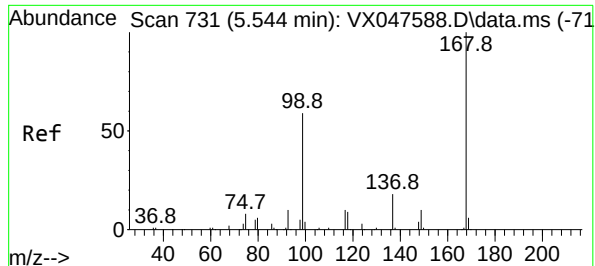
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047803.D
Acq On : 25 Sep 2025 12:07
Operator : JC/MD
Sample : Q3165-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-260-262

Quant Time: Sep 26 01:25:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

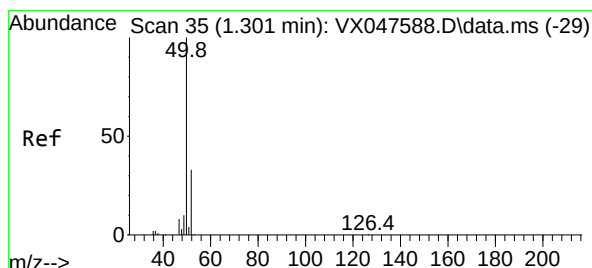
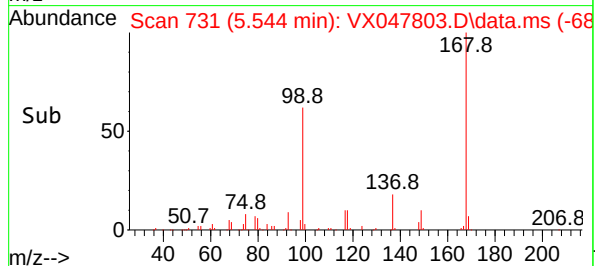
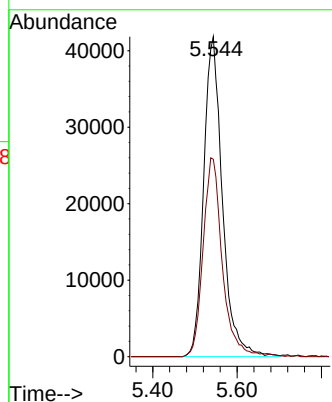
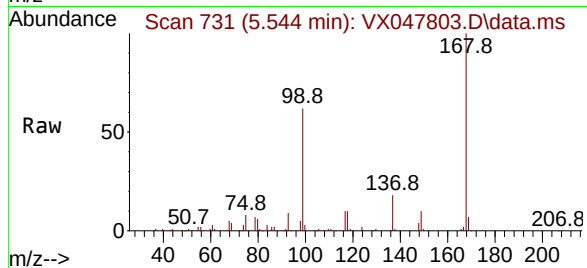




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

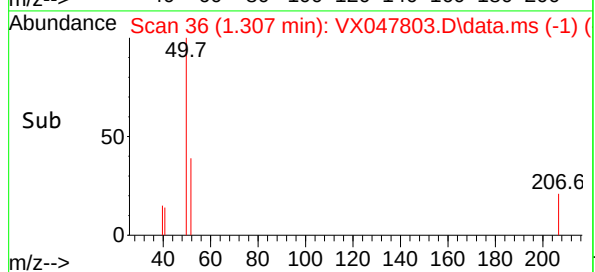
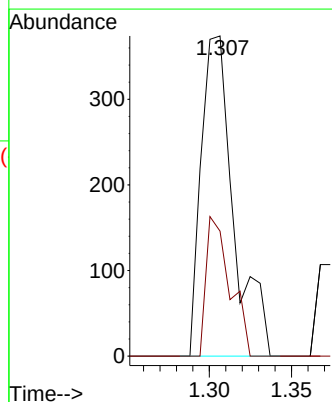
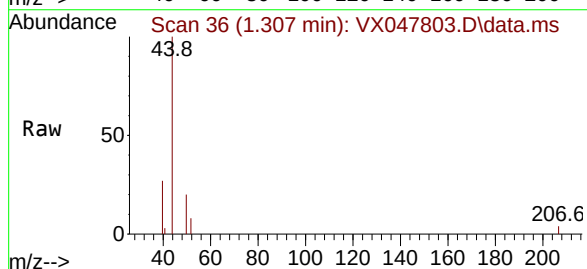
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-260-262

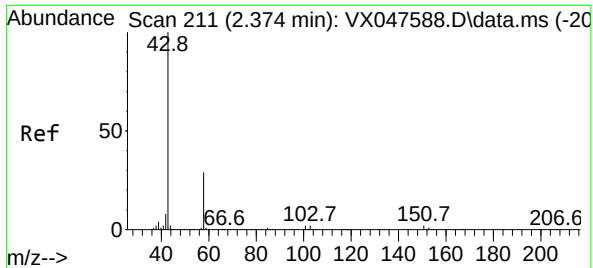
Tgt Ion:168 Resp: 129350
Ion Ratio Lower Upper
168 100
99 61.7 48.8 73.2



#3
Chloromethane
Concen: 0.293 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

Tgt Ion: 50 Resp: 515
Ion Ratio Lower Upper
50 100
52 39.0 26.1 39.1

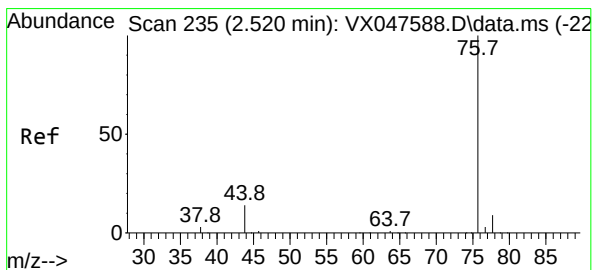
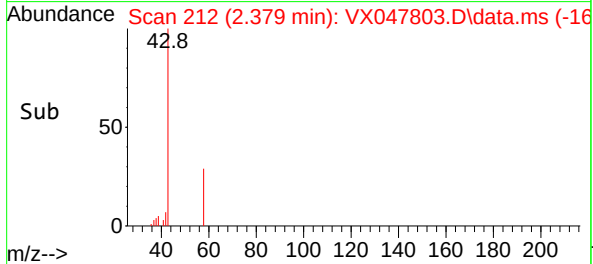
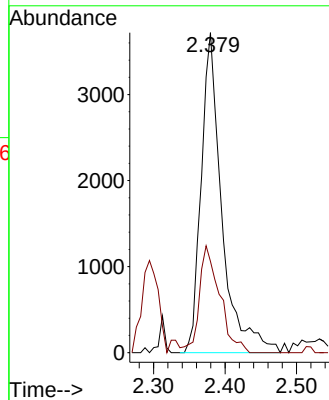
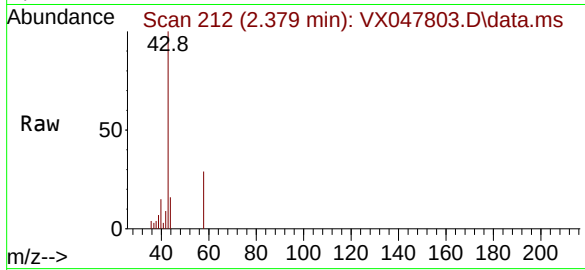




#16
Acetone
Concen: 8.345 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

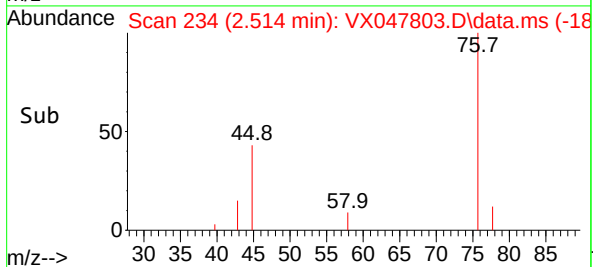
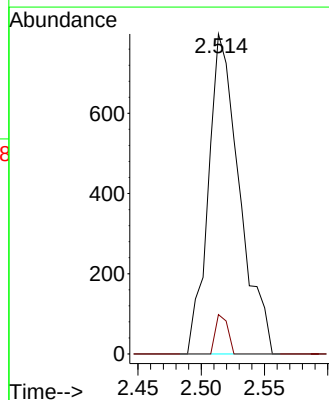
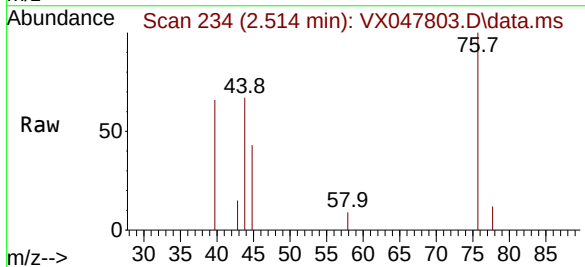
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-260-262

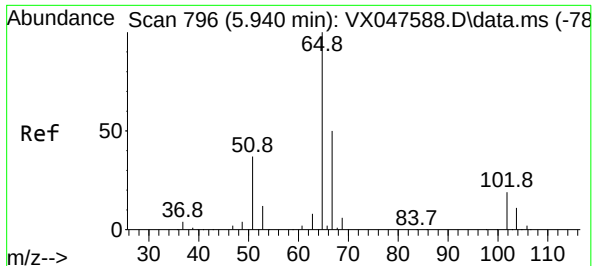
Tgt Ion: 43 Resp: 7471
Ion Ratio Lower Upper
43 100
58 32.6 23.4 35.0



#17
Carbon Disulfide
Concen: 0.325 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.006 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

Tgt Ion: 76 Resp: 1366
Ion Ratio Lower Upper
76 100
78 12.3 6.8 10.2#





#33

1,2-Dichloroethane-d4

Concen: 54.697 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047803.D

Acq: 25 Sep 2025 12:07

Instrument :

MSVOA_X

ClientSampleId :

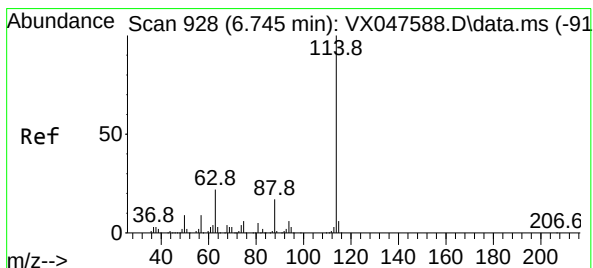
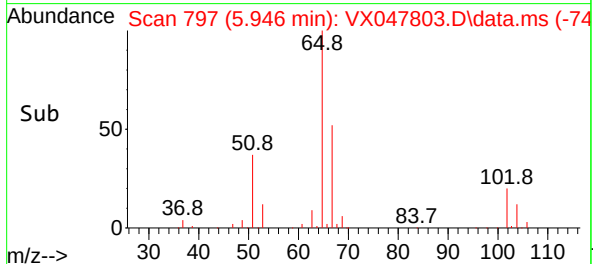
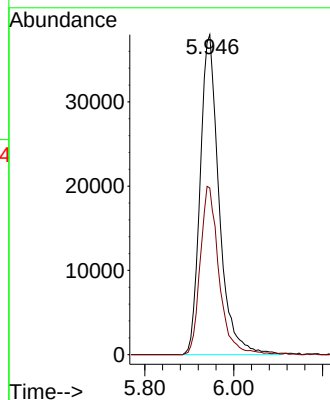
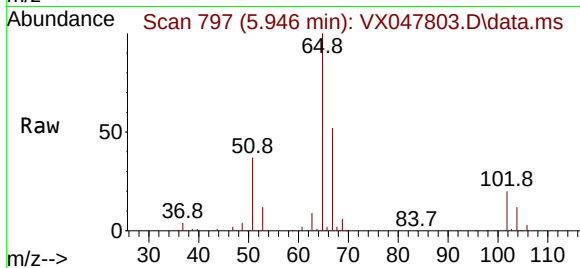
BP-VPB-184-GW-260-262

Tgt Ion: 65 Resp: 112618

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047803.D

Acq: 25 Sep 2025 12:07

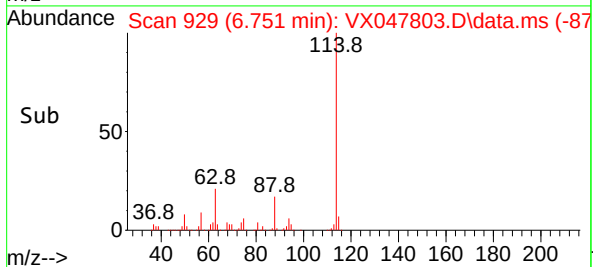
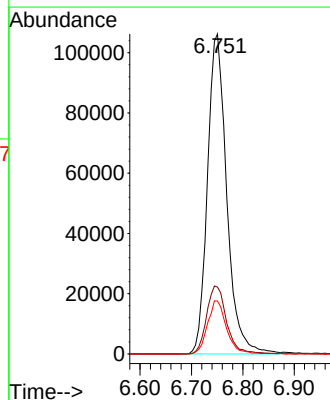
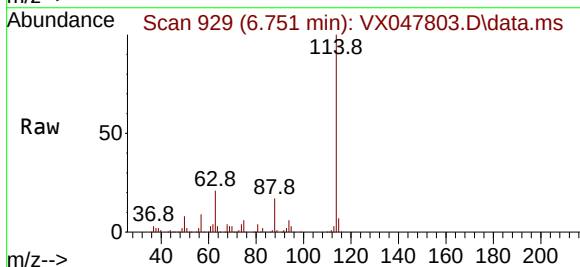
Tgt Ion: 114 Resp: 276238

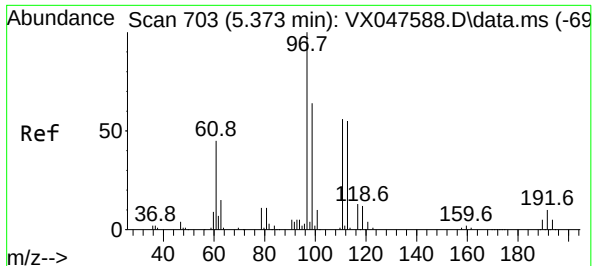
Ion Ratio Lower Upper

114 100

63 23.9 0.0 44.0

88 16.6 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.809 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX047803.D

Acq: 25 Sep 2025 12:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-260-262

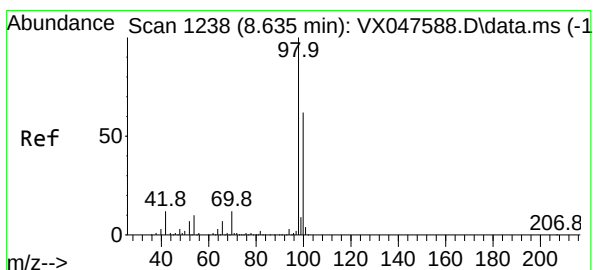
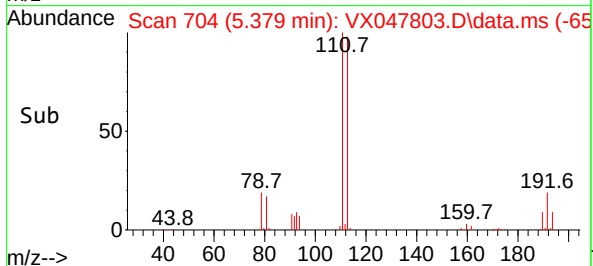
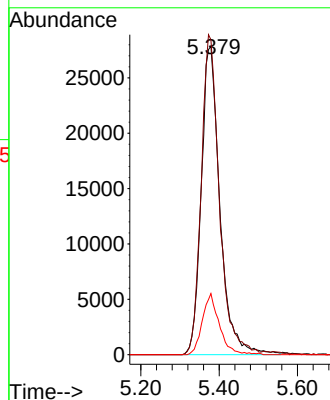
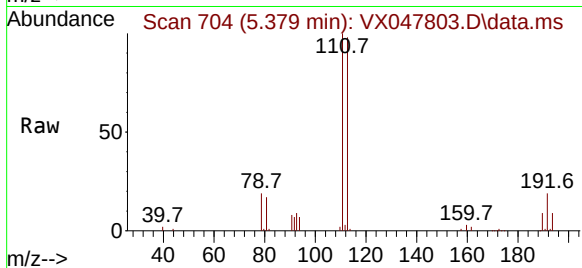
Tgt Ion:113 Resp: 92276

Ion Ratio Lower Upper

113 100

111 100.8 80.9 121.3

192 18.1 14.2 21.4



#50

Toluene-d8

Concen: 48.710 ug/l

RT: 8.634 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047803.D

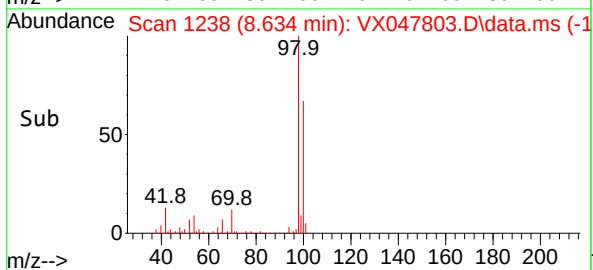
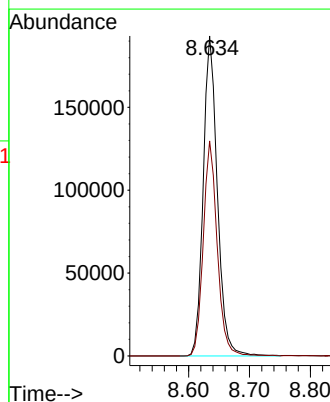
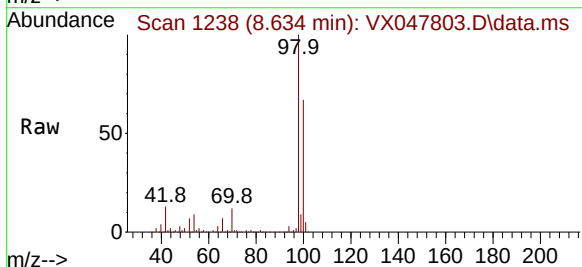
Acq: 25 Sep 2025 12:07

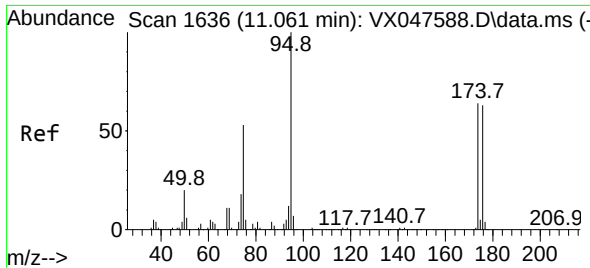
Tgt Ion: 98 Resp: 312248

Ion Ratio Lower Upper

98 100

100 66.3 53.0 79.4

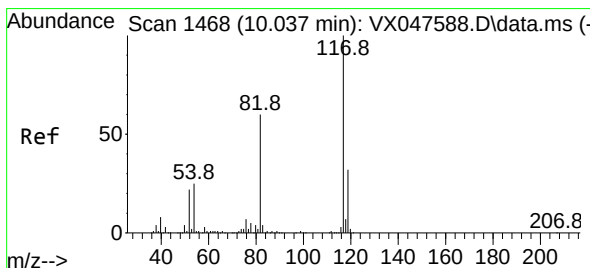
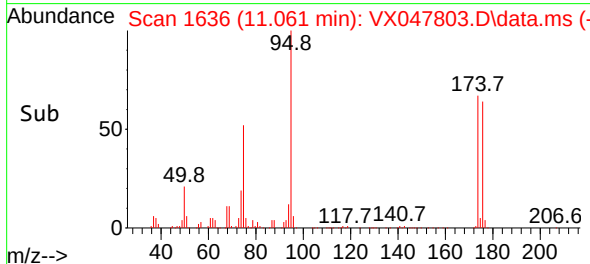
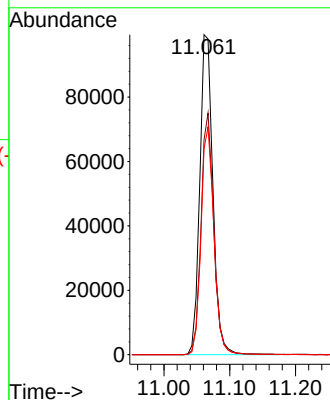
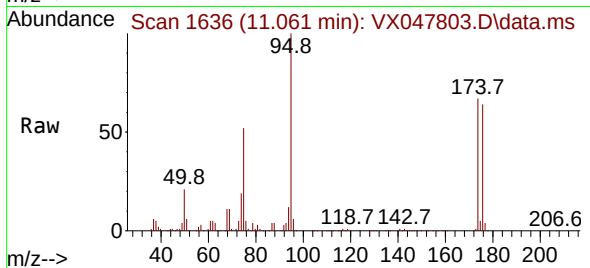




#62
4-Bromofluorobenzene
Concen: 56.675 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

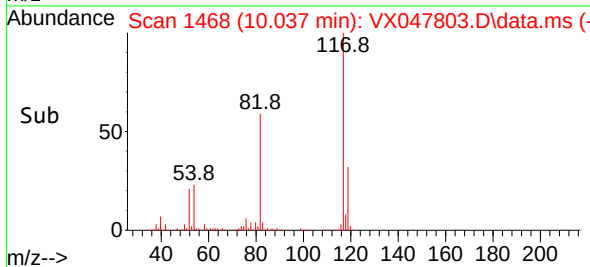
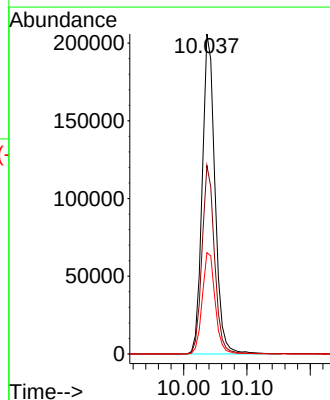
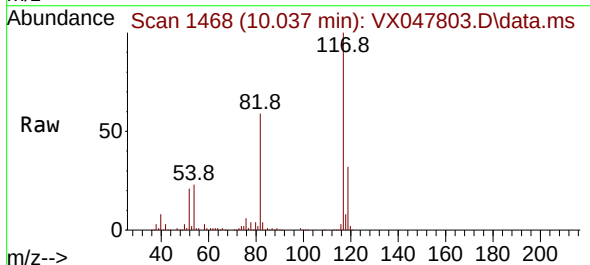
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-260-262

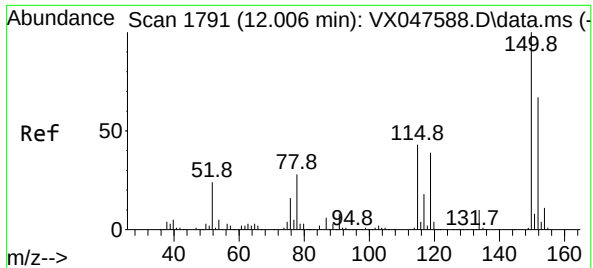
Tgt Ion: 95 Resp: 137883
Ion Ratio Lower Upper
95 100
174 73.0 0.0 141.6
176 69.8 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

Tgt Ion: 117 Resp: 289210
Ion Ratio Lower Upper
117 100
82 58.9 47.8 71.6
119 31.6 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047803.D

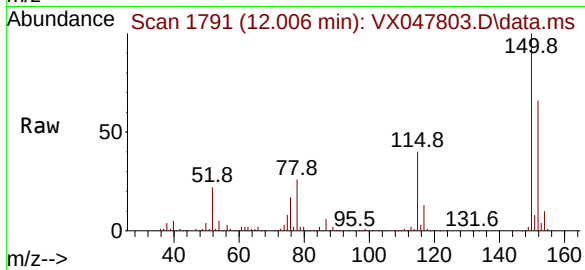
Acq: 25 Sep 2025 12:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-260-262



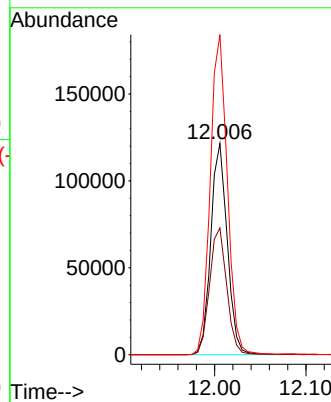
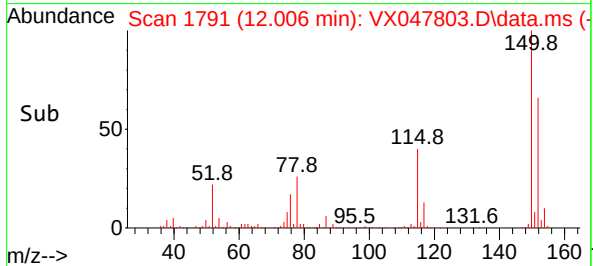
Tgt Ion:152 Resp: 151799

Ion Ratio Lower Upper

152 100

115 62.7 44.9 134.5

150 156.7 0.0 352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047803.D
Acq On : 25 Sep 2025 12:07
Operator : JC/MD
Sample : Q3165-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-260-262

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\82X091625W.M

Title : SW846 8260

Signal : TIC: VX047803.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.459	57	61	71	rVB	14641	17874	1.89%	0.354%
2	2.379	206	212	220	rBV2	5897	11244	1.19%	0.223%
3	5.379	692	704	720	rBV2	91716	296212	31.32%	5.874%
4	5.544	720	731	757	rVB	127992	404147	42.73%	8.014%
5	5.946	787	797	817	rBV	103484	306337	32.39%	6.075%
6	6.745	919	928	954	rBV	249949	663555	70.15%	13.158%
7	8.634	1231	1238	1258	rBV	518712	842573	89.08%	16.708%
8	10.037	1462	1468	1486	rBV	643789	905195	95.70%	17.950%
9	11.067	1631	1637	1647	rBV	467119	649889	68.71%	12.887%
10	12.006	1785	1791	1803	rBV	719785	945906	100.00%	18.757%

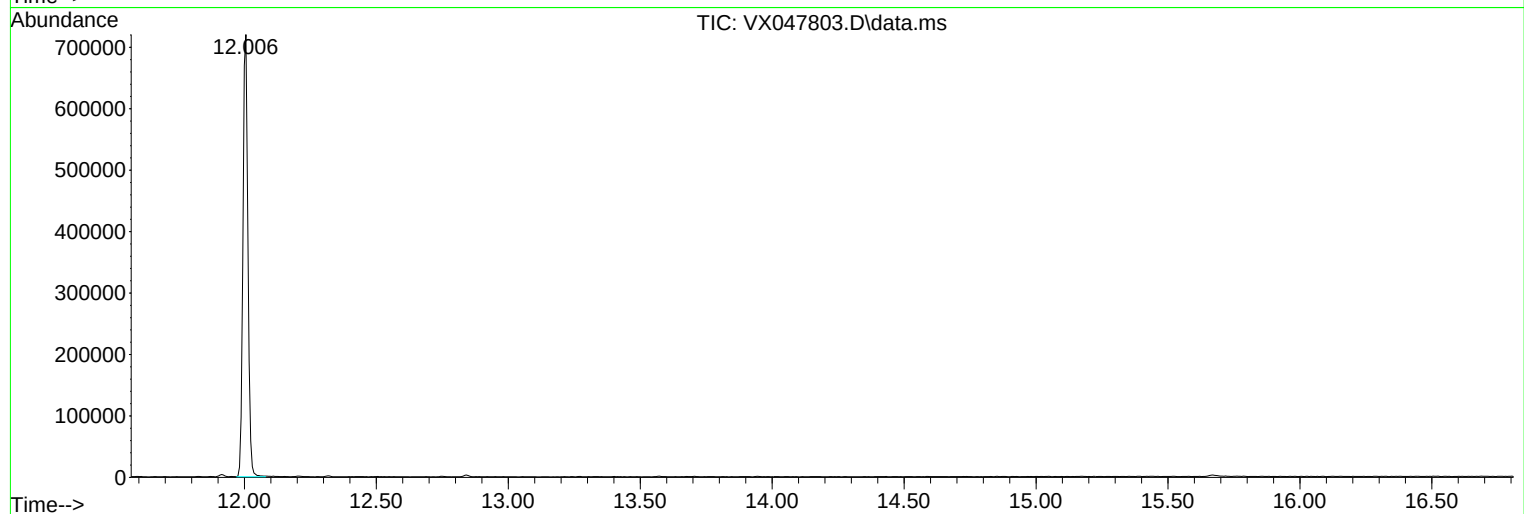
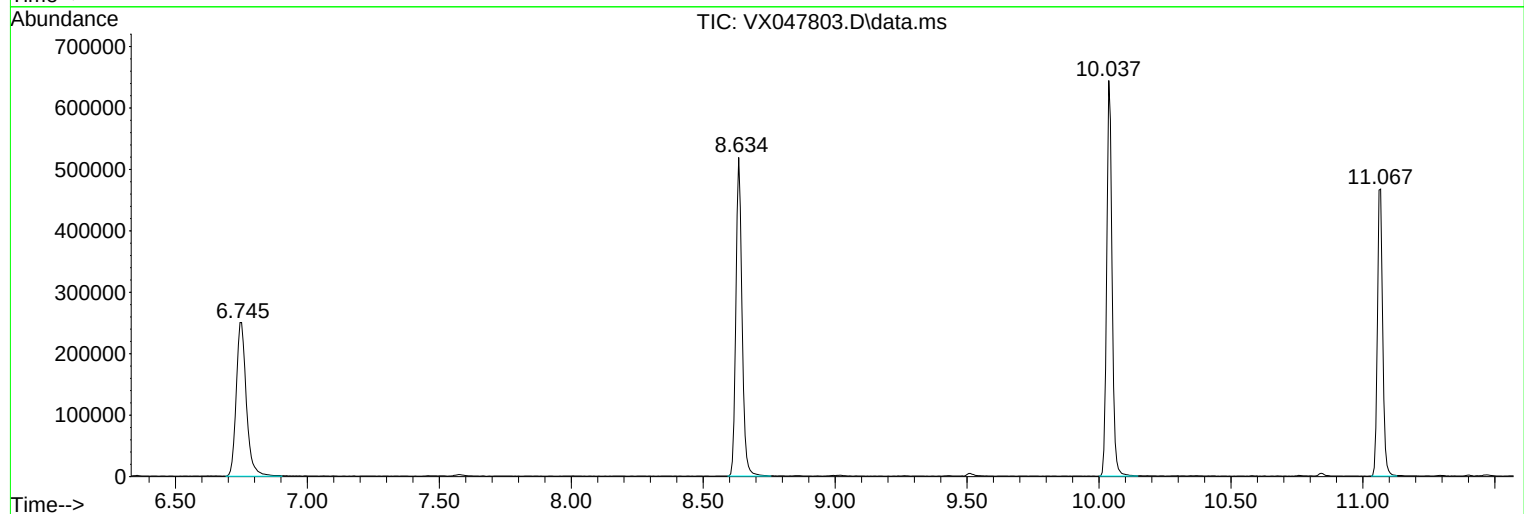
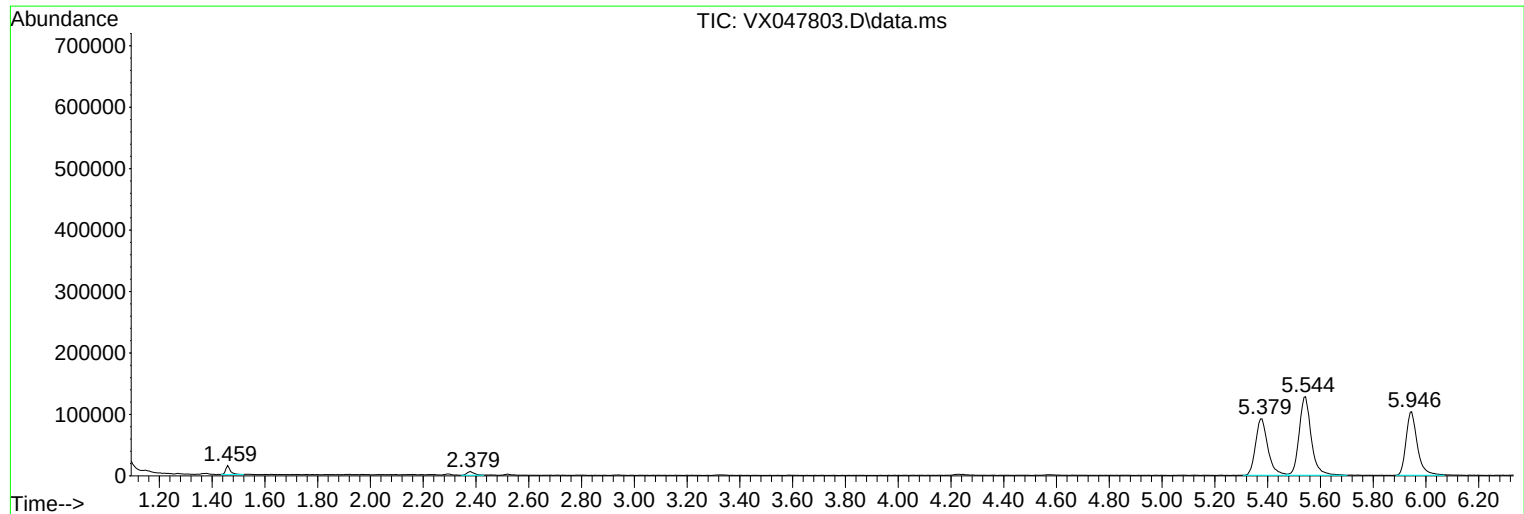
Sum of corrected areas: 5042932

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047803.D
Acq On : 25 Sep 2025 12:07
Operator : JC/MD
Sample : Q3165-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-260-262

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047803.D
Acq On : 25 Sep 2025 12:07
Operator : JC/MD
Sample : Q3165-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-260-262

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX092525\
Data File : VX047803.D
Acq On : 25 Sep 2025 12:07
Operator : JC/MD
Sample : Q3165-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-260-262

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-280-282		SDG No.:	Q3165	
Lab Sample ID:	Q3165-05		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047804.D	1	09/25/25 12:28	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.57	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	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	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	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	0.23	0.75	1.00	ug/L
67-64-1	Acetone	9.40		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.74	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.00	J	0.98	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	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-280-282		SDG No.:	Q3165	
Lab Sample ID:	Q3165-05		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047804.D	1	09/25/25 12:28	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	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	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.7		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	48.2		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	122000	5.544				
540-36-3	1,4-Difluorobenzene	261000	6.751				
3114-55-4	Chlorobenzene-d5	267000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	135000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-GW-280-282		SDG No.:	Q3165
Lab Sample ID:	Q3165-05		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047804.D	1	09/25/25 12:28	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

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\VX092525\
Data File : VX047804.D
Acq On : 25 Sep 2025 12:28
Operator : JC/MD
Sample : Q3165-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-280-282

Quant Time: Sep 26 01:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

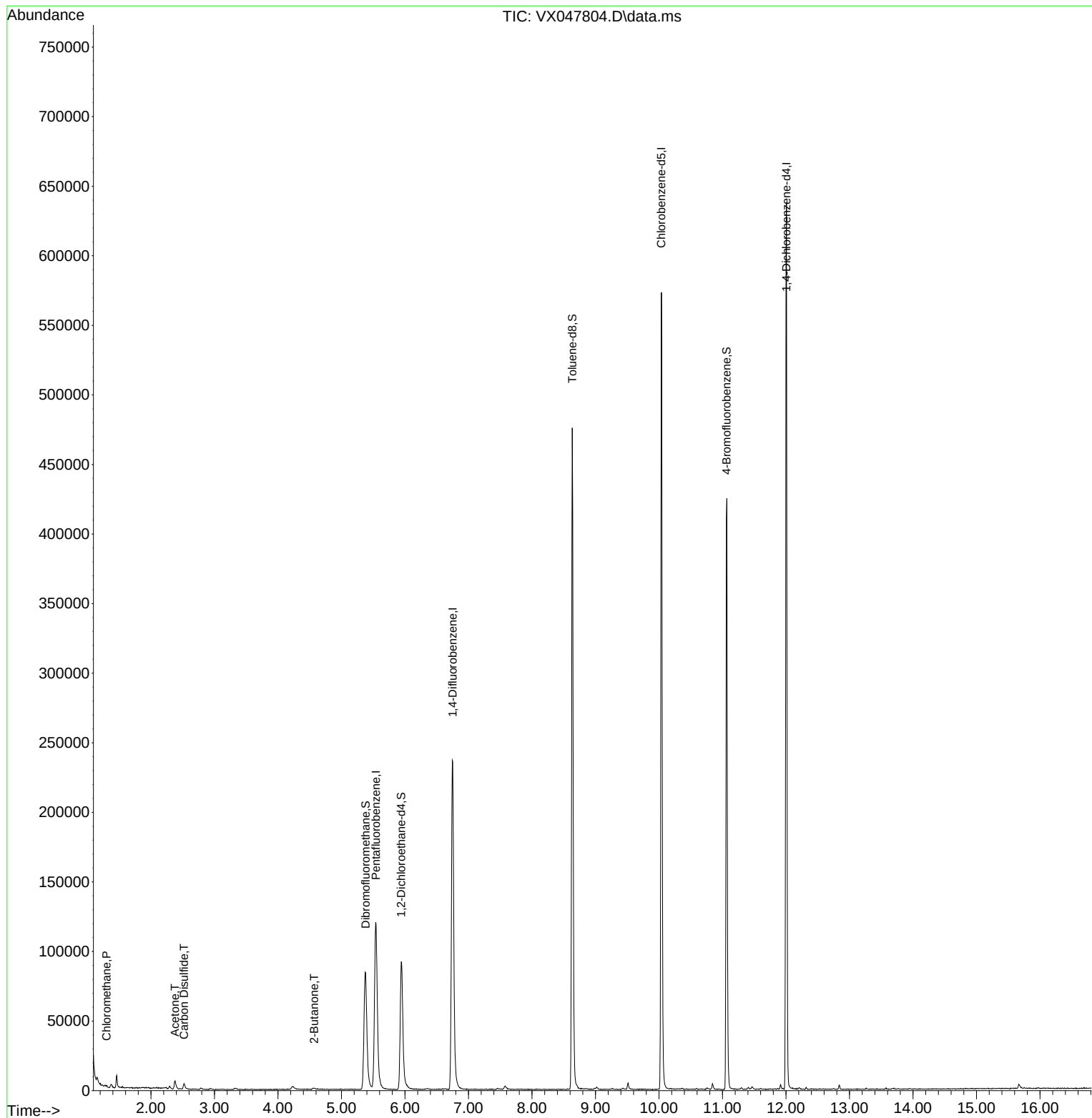
Internal Standards						
1) Pentafluorobenzene	5.544	168	122004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	260982	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	266894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	134705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	100439	51.719	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 103.440%		
35) Dibromofluoromethane	5.379	113	84996	48.561	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.120%		
50) Toluene-d8	8.635	98	291903	48.198	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 96.400%		
62) 4-Bromofluorobenzene	11.061	95	124746	54.273	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 108.540%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	947	0.570	ug/l #	88
16) Acetone	2.380	43	7927	9.388	ug/l	100
17) Carbon Disulfide	2.520	76	2948	0.743	ug/l #	89
25) 2-Butanone	4.568	43	2118	2.011	ug/l	91

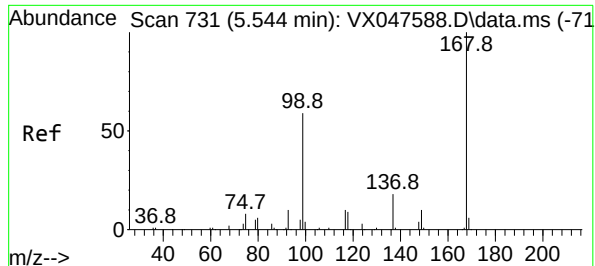
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047804.D
Acq On : 25 Sep 2025 12:28
Operator : JC/MD
Sample : Q3165-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-280-282

Quant Time: Sep 26 01:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

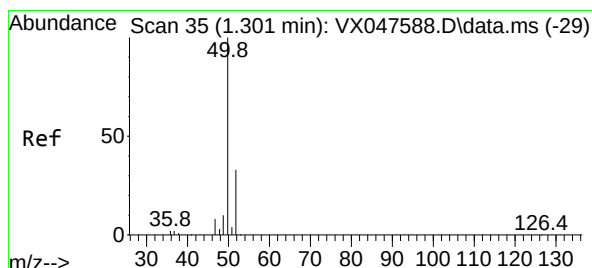
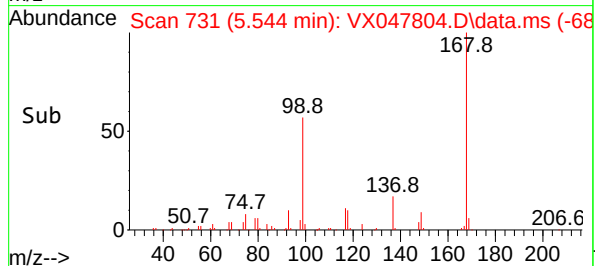
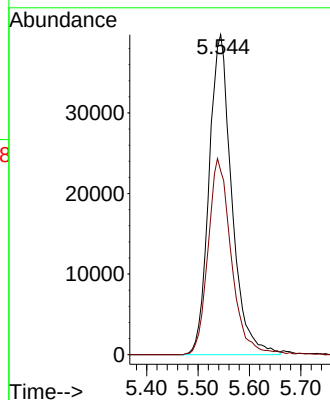
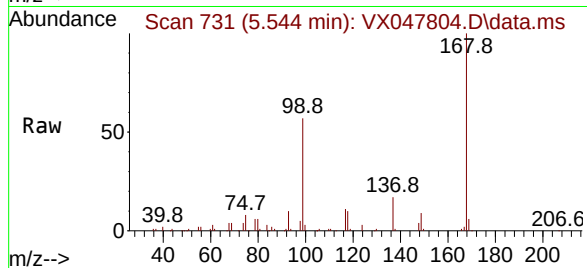




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047804.D
Acq: 25 Sep 2025 12:28

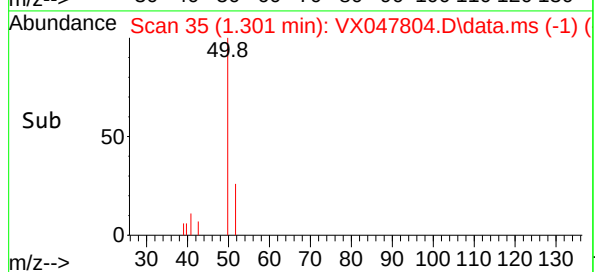
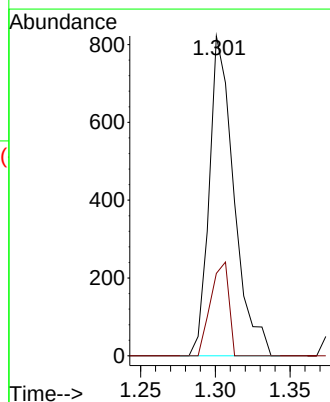
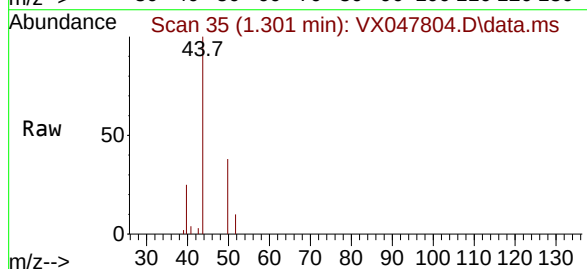
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-280-282

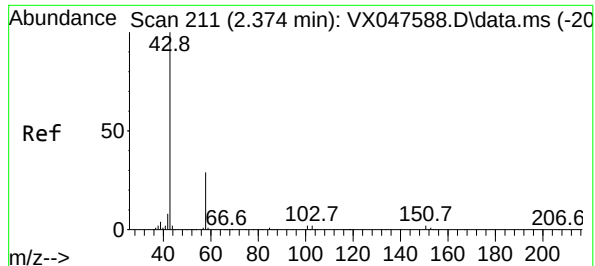
Tgt Ion:168 Resp: 122004
Ion Ratio Lower Upper
168 100
99 57.5 48.8 73.2



#3
Chloromethane
Concen: 0.570 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX047804.D
Acq: 25 Sep 2025 12:28

Tgt Ion: 50 Resp: 947
Ion Ratio Lower Upper
50 100
52 25.8 26.1 39.1#

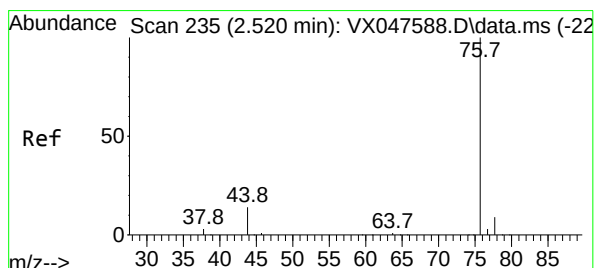
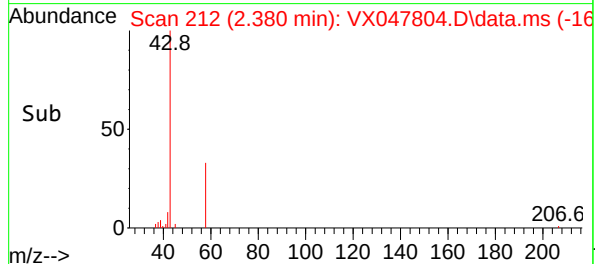
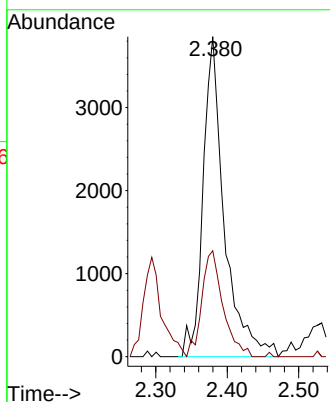
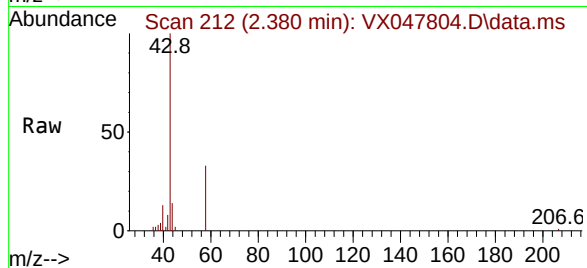




#16
Acetone
Concen: 9.388 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047804.D
Acq: 25 Sep 2025 12:28

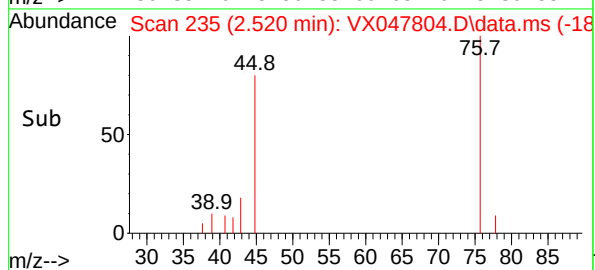
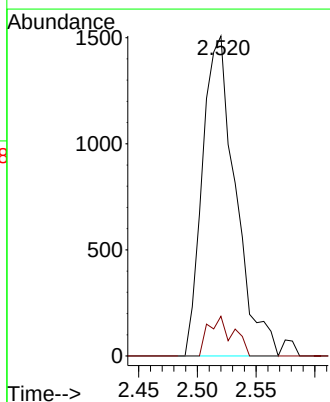
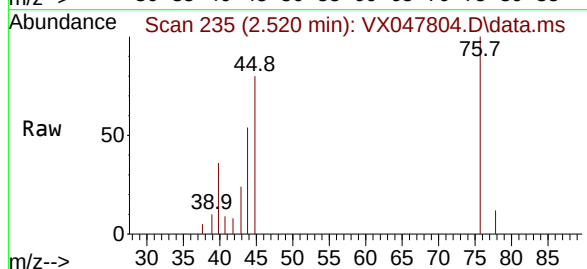
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-280-282

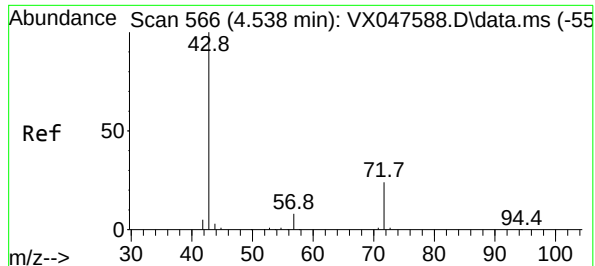
Tgt Ion: 43 Resp: 7927
Ion Ratio Lower Upper
43 100
58 29.0 23.4 35.0



#17
Carbon Disulfide
Concen: 0.743 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.000 min
Lab File: VX047804.D
Acq: 25 Sep 2025 12:28

Tgt Ion: 76 Resp: 2948
Ion Ratio Lower Upper
76 100
78 12.4 6.8 10.2#





#25

2-Butanone

Concen: 2.011 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX047804.D

Acq: 25 Sep 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

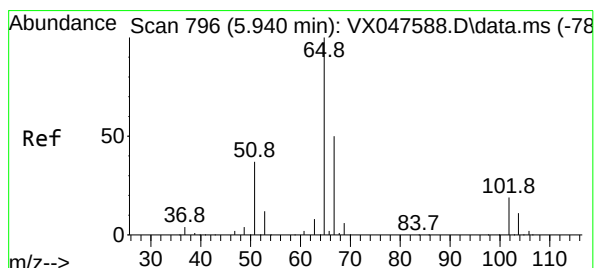
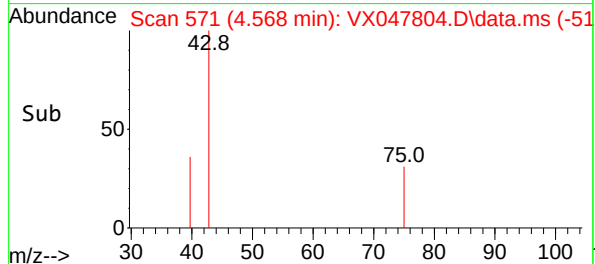
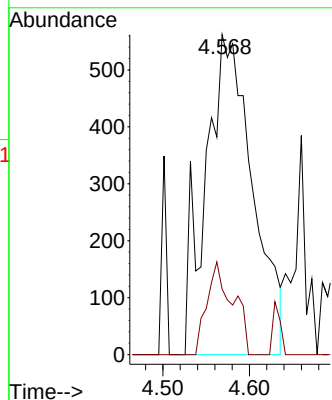
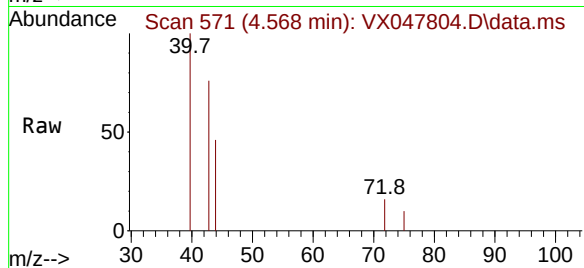
BP-VPB-184-GW-280-282

Tgt Ion: 43 Resp: 2118

Ion Ratio Lower Upper

43 100

72 20.5 20.1 30.1



#33

1,2-Dichloroethane-d4

Concen: 51.719 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX047804.D

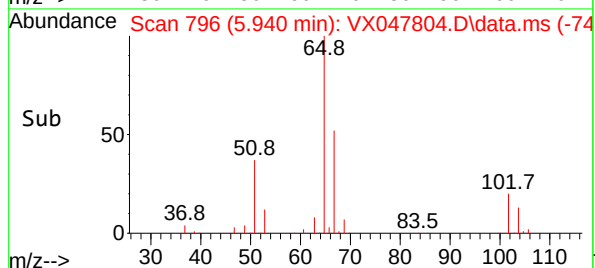
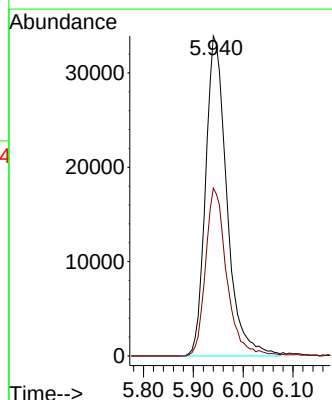
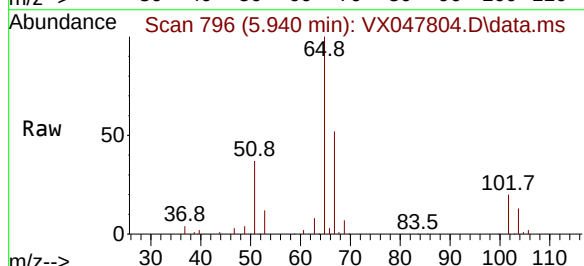
Acq: 25 Sep 2025 12:28

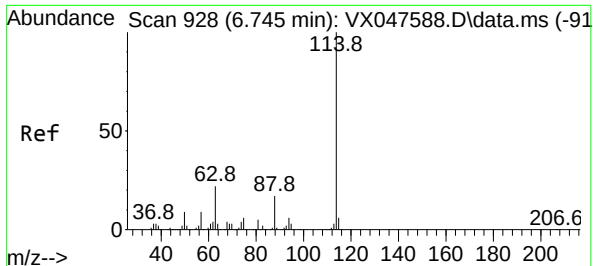
Tgt Ion: 65 Resp: 100439

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.0

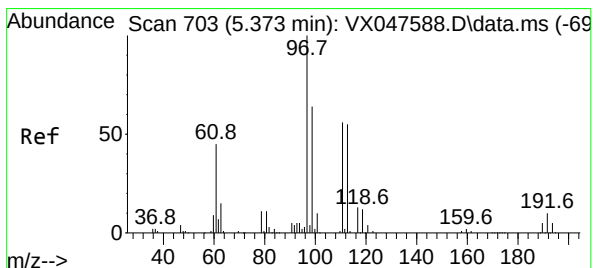
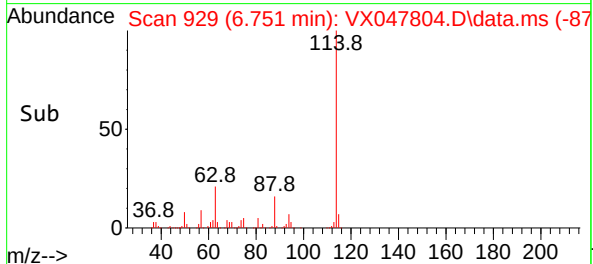
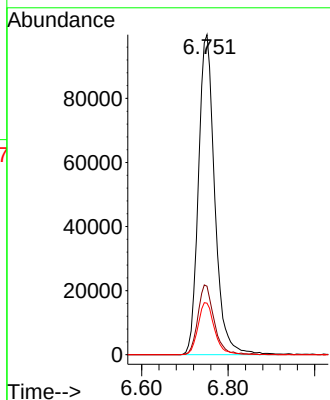
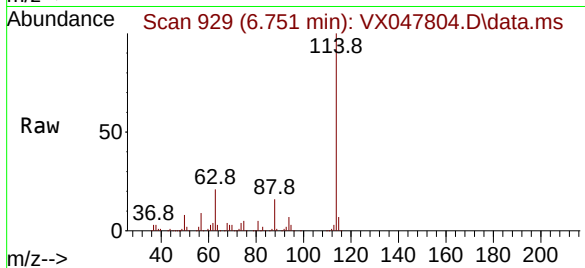




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047804.D
Acq: 25 Sep 2025 12:28

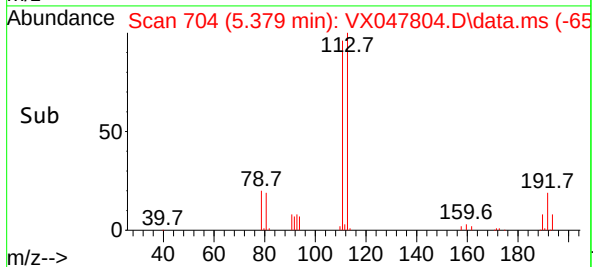
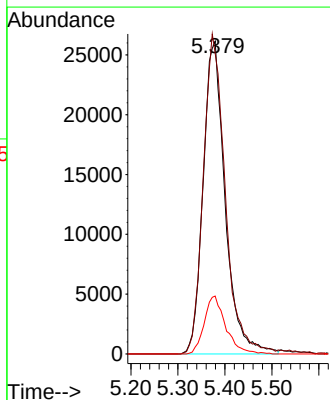
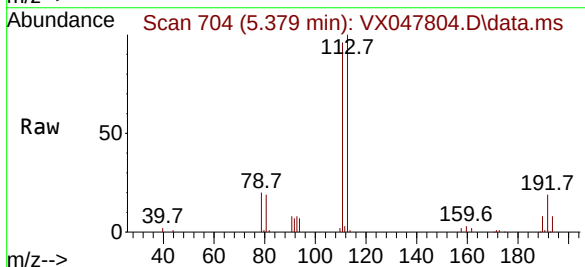
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-280-282

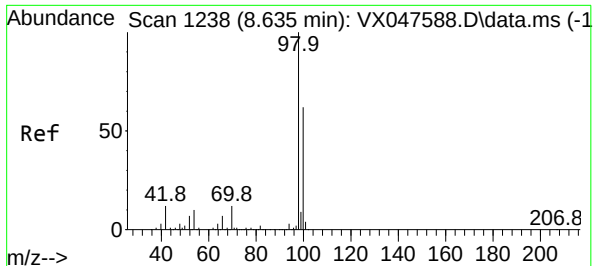
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	44.0
88	16.1	0.0	34.2



#35
Dibromofluoromethane
Concen: 48.561 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047804.D
Acq: 25 Sep 2025 12:28

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.9	121.3
192	18.1	14.2	21.4

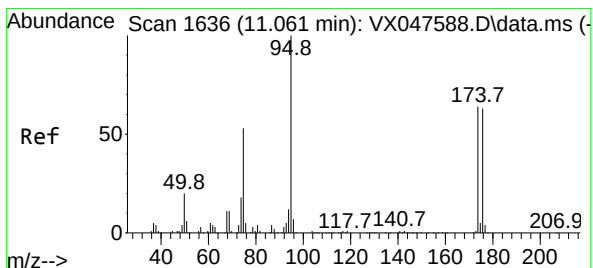
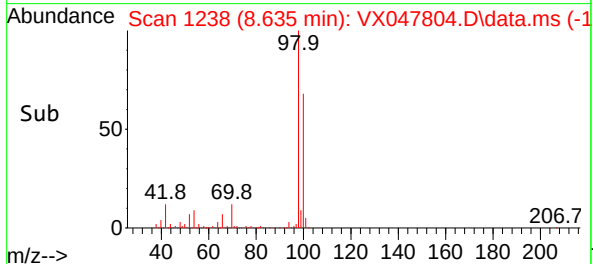
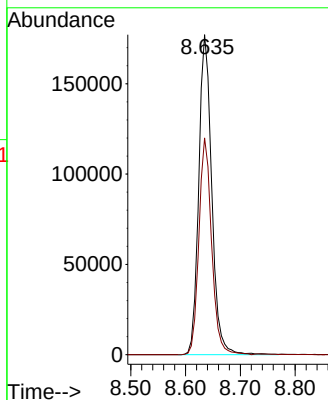
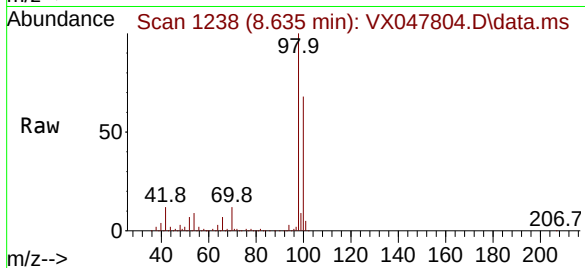




#50
Toluene-d8
Concen: 48.198 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047804.D
Acq: 25 Sep 2025 12:28

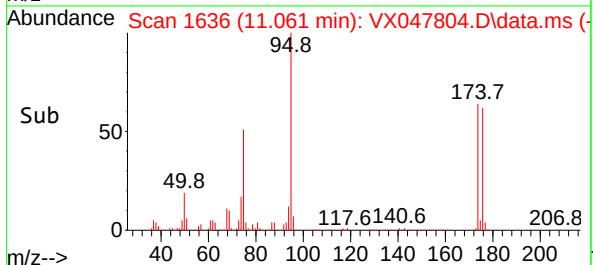
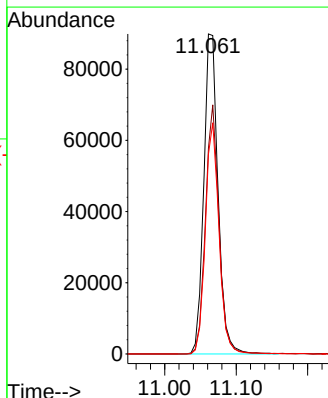
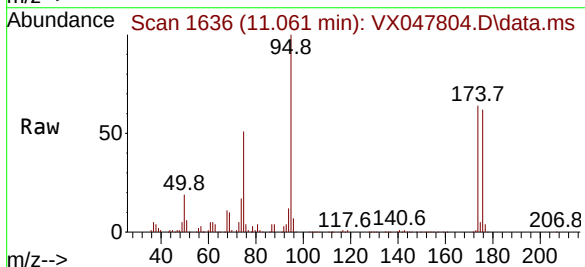
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-280-282

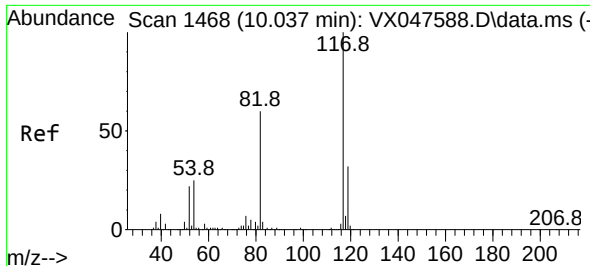
Tgt Ion: 98 Resp: 291903
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 54.273 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047804.D
Acq: 25 Sep 2025 12:28

Tgt Ion: 95 Resp: 124746
Ion Ratio Lower Upper
95 100
174 73.9 0.0 141.6
176 69.2 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX047804.D

Acq: 25 Sep 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-280-282

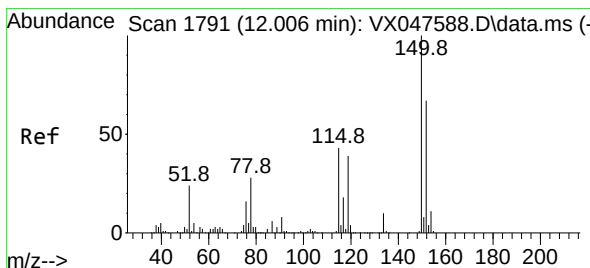
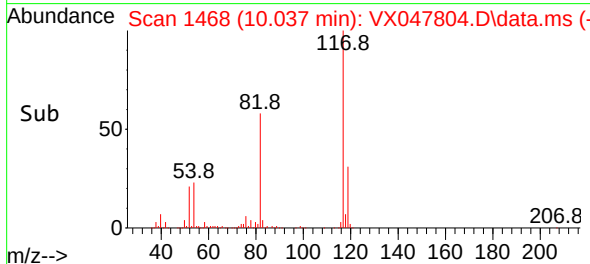
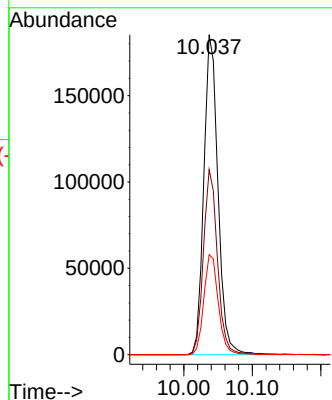
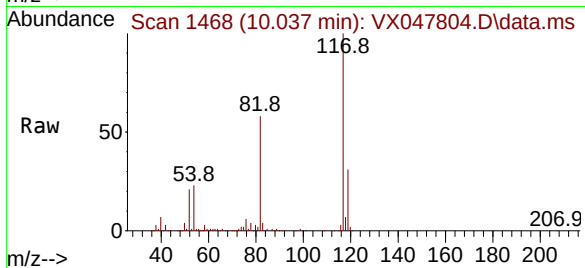
Tgt Ion:117 Resp: 266894

Ion Ratio Lower Upper

117 100

82 57.8 47.8 71.6

119 31.3 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX047804.D

Acq: 25 Sep 2025 12:28

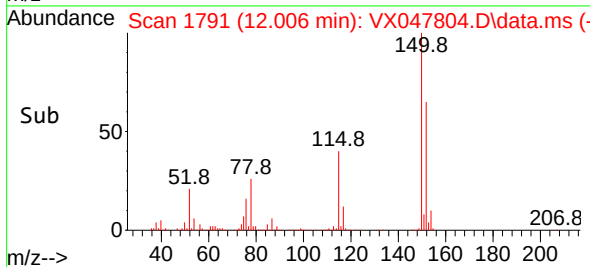
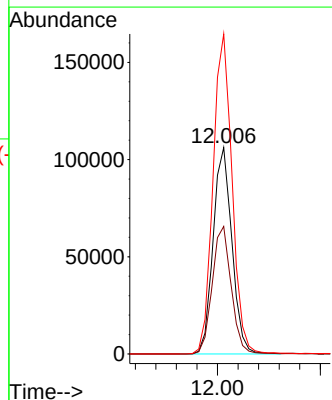
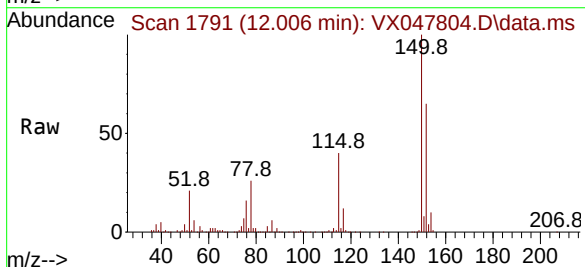
Tgt Ion:152 Resp: 134705

Ion Ratio Lower Upper

152 100

115 62.3 44.9 134.5

150 156.9 0.0 352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047804.D
Acq On : 25 Sep 2025 12:28
Operator : JC/MD
Sample : Q3165-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-280-282

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\82X091625W.M

Title : SW846 8260

Signal : TIC: VX047804.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.148	8	10	18	rVB2	5039	8770	1.04%	0.189%
2	1.459	55	61	66	rBV	8847	12124	1.44%	0.261%
3	2.380	205	212	221	rBV	5909	11709	1.39%	0.252%
4	2.520	229	235	247	rVB4	4078	9049	1.07%	0.195%
5	5.373	692	703	720	rBV4	84251	274825	32.60%	5.926%
6	5.538	720	730	755	rVB2	119890	377927	44.83%	8.149%
7	5.940	786	796	814	rBV	91736	275160	32.64%	5.933%
8	6.745	919	928	947	rBV	236618	620182	73.57%	13.372%
9	8.635	1231	1238	1253	rBV	475112	784765	93.10%	16.921%
10	10.037	1462	1468	1489	rBV	572554	831537	98.64%	17.929%
11	11.067	1631	1637	1650	rBV	424709	588888	69.86%	12.697%
12	12.006	1785	1791	1803	rBV	637314	842966	100.00%	18.176%

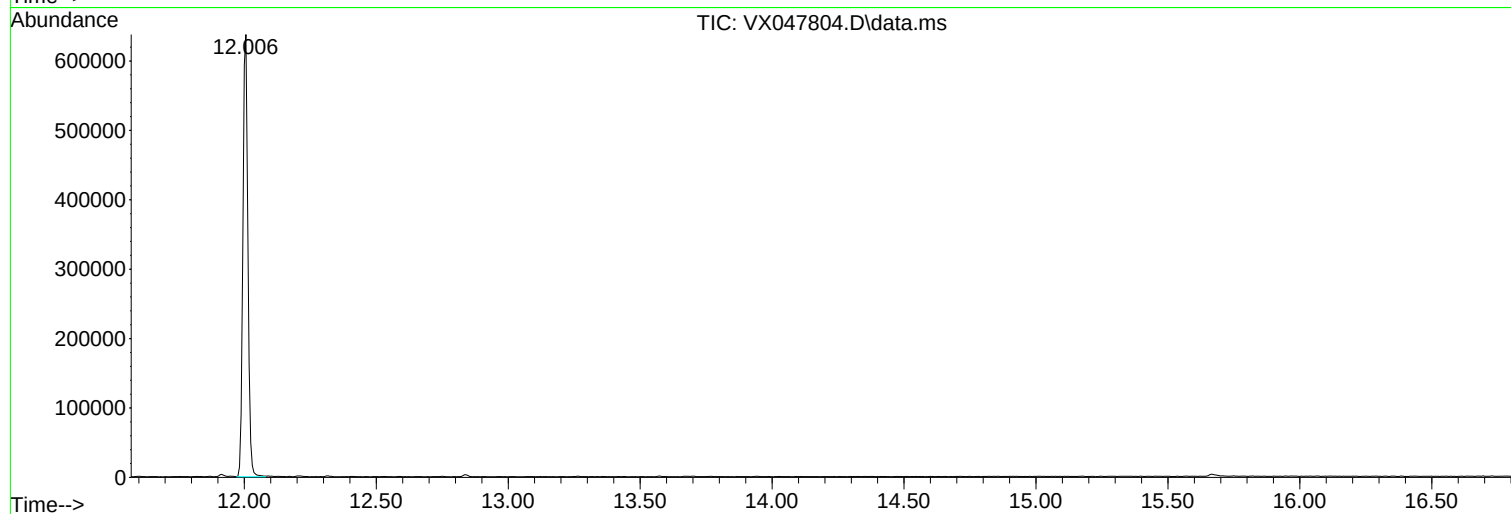
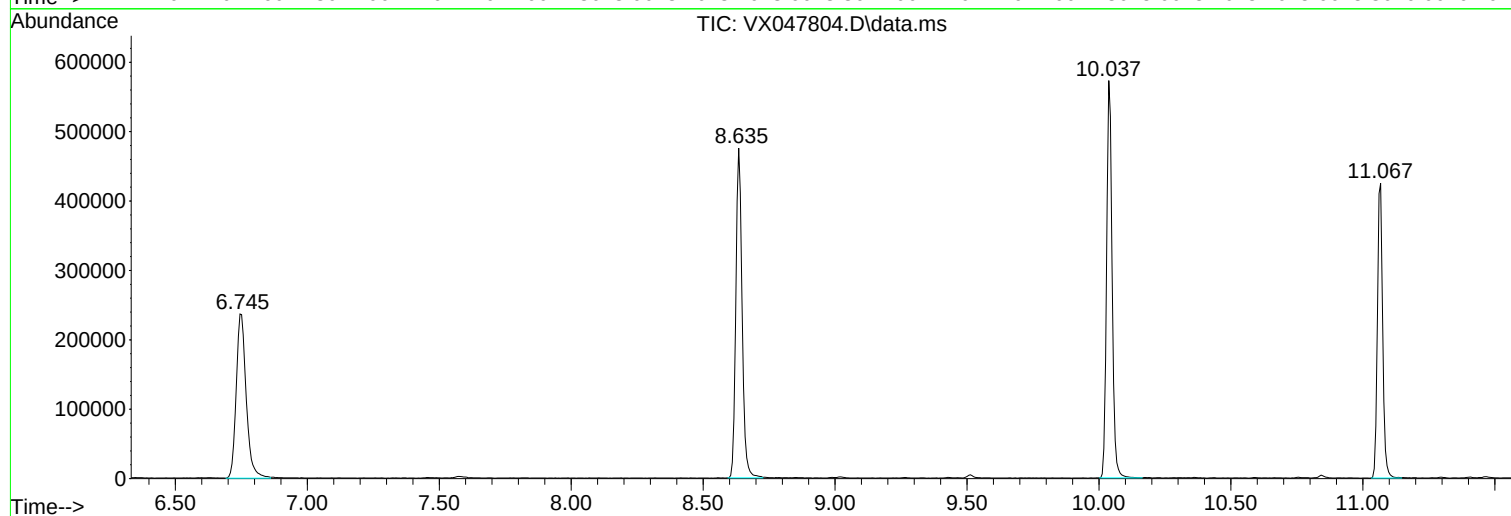
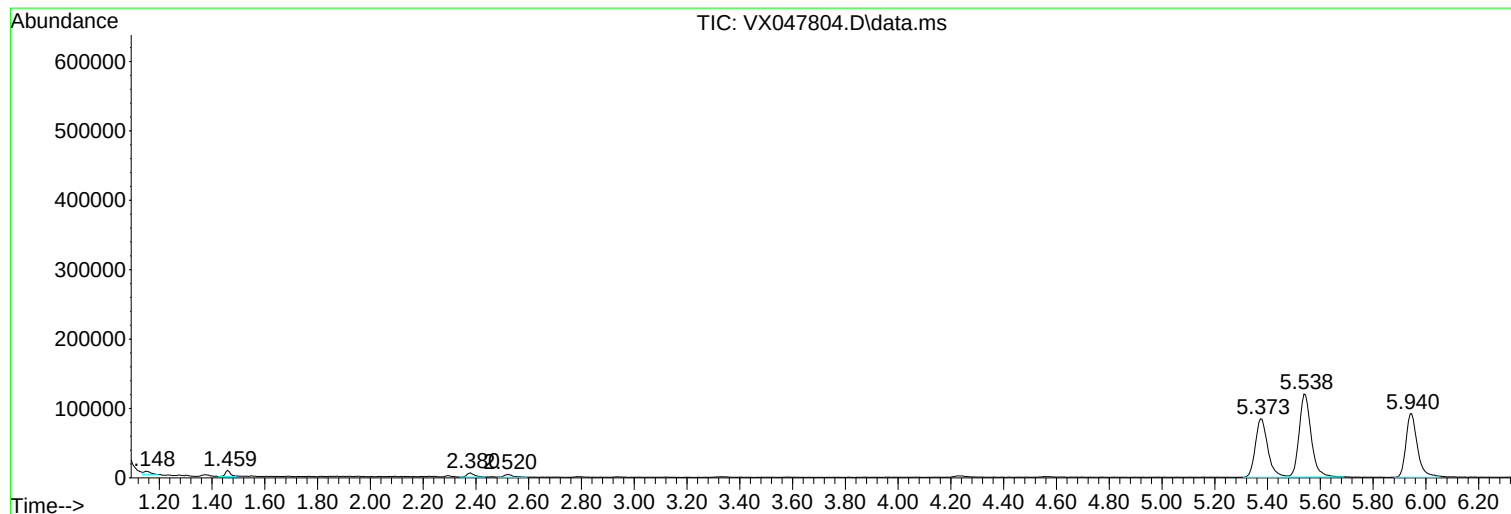
Sum of corrected areas: 4637902

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047804.D
Acq On : 25 Sep 2025 12:28
Operator : JC/MD
Sample : Q3165-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-280-282

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047804.D
Acq On : 25 Sep 2025 12:28
Operator : JC/MD
Sample : Q3165-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-280-282

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX092525\
Data File : VX047804.D
Acq On : 25 Sep 2025 12:28
Operator : JC/MD
Sample : Q3165-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-280-282

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-DUP-20250922		SDG No.:	Q3165	
Lab Sample ID:	Q3165-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047805.D	1	09/25/25 12:49	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.63	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	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	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	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	0.23	0.75	1.00	ug/L
67-64-1	Acetone	9.50		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.80	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	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	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-DUP-20250922		SDG No.:	Q3165	
Lab Sample ID:	Q3165-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047805.D	1	09/25/25 12:49	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	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	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.4		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	118000	5.543				
540-36-3	1,4-Difluorobenzene	253000	6.744				
3114-55-4	Chlorobenzene-d5	262000	10.036				
3855-82-1	1,4-Dichlorobenzene-d4	135000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/22/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-DUP-20250922	SDG No.:	Q3165
Lab Sample ID:	Q3165-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047805.D	1	09/25/25 12:49	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

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\VX092525\
Data File : VX047805.D
Acq On : 25 Sep 2025 12:49
Operator : JC/MD
Sample : Q3165-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-DUP-20250922

Quant Time: Sep 26 01:26:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

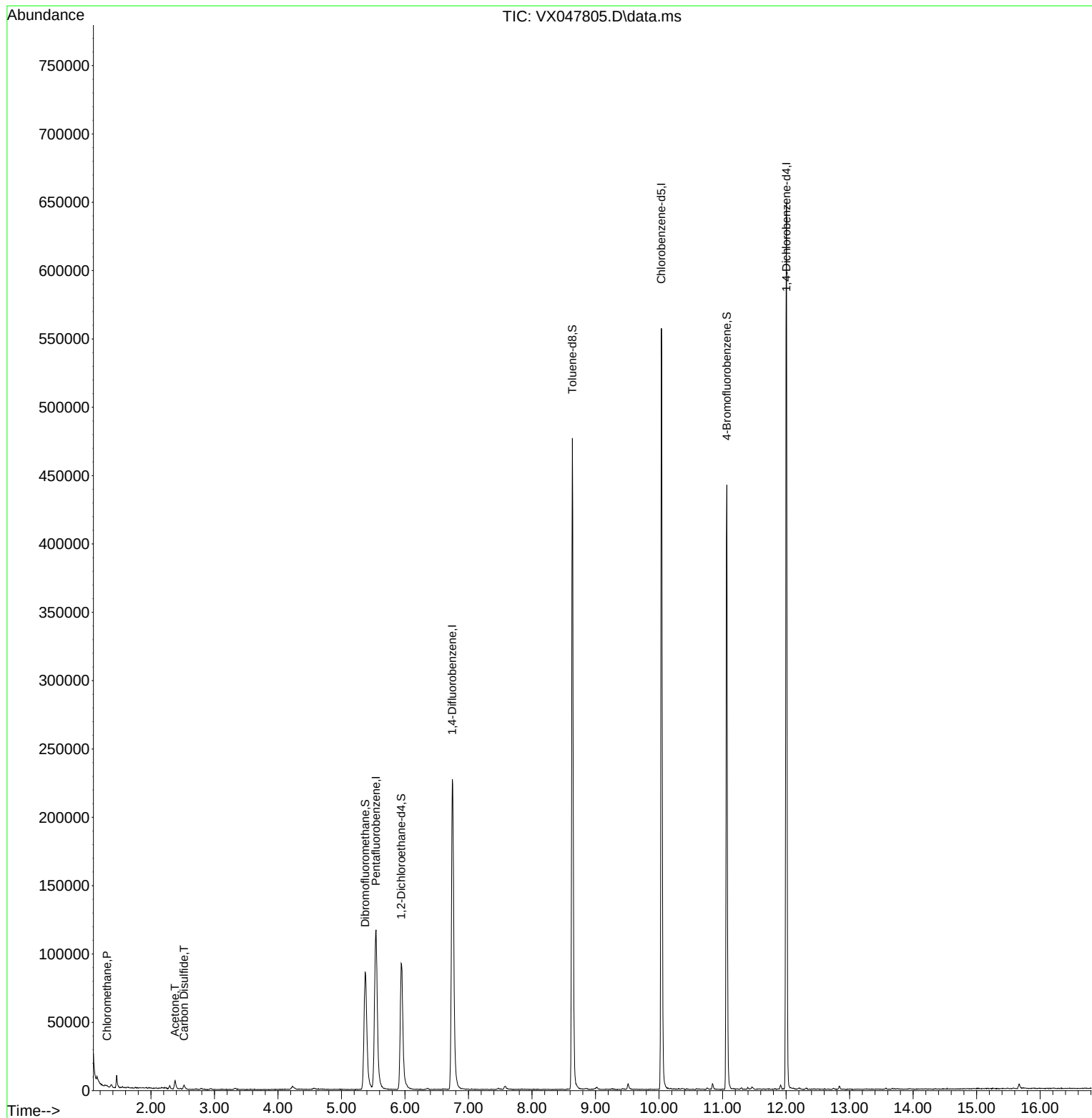
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	118043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	252631	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	261796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	135087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	102254	54.421	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 108.840%		
35) Dibromofluoromethane	5.373	113	84610	49.939	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 99.880%		
50) Toluene-d8	8.634	98	288250	49.168	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 98.340%		
62) 4-Bromofluorobenzene	11.067	95	123534	55.522	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 111.040%		
Target Compounds						Qvalue
3) Chloromethane	1.306	50	1013	0.631	ug/l	99
16) Acetone	2.379	43	7787	9.532	ug/l	95
17) Carbon Disulfide	2.519	76	3075	0.801	ug/l	98

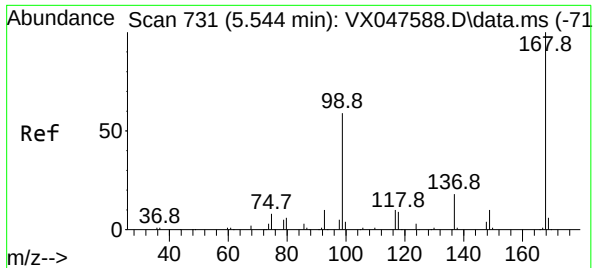
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047805.D
Acq On : 25 Sep 2025 12:49
Operator : JC/MD
Sample : Q3165-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-DUP-20250922

Quant Time: Sep 26 01:26:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

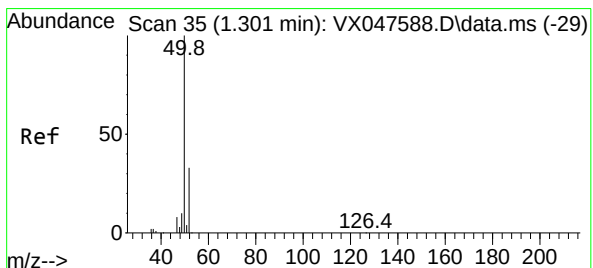
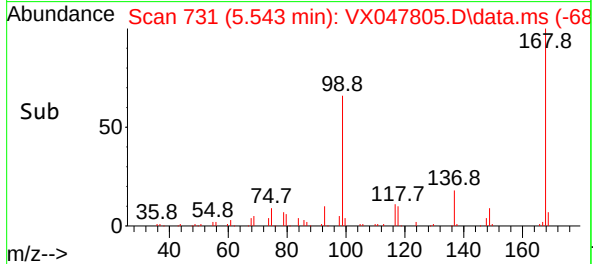
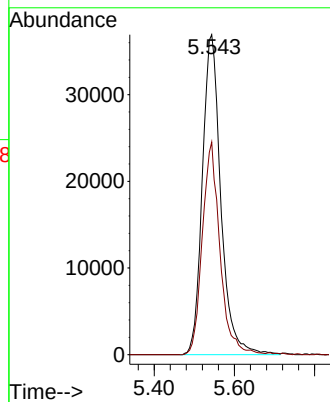
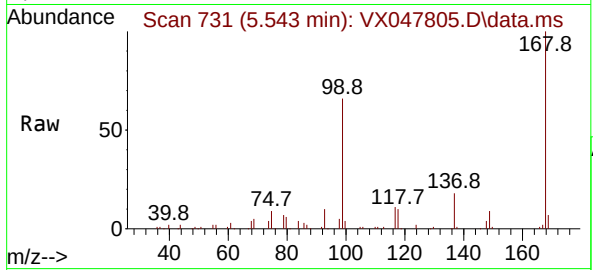




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX047805.D
Acq: 25 Sep 2025 12:49

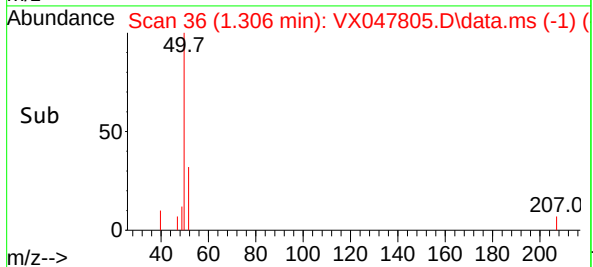
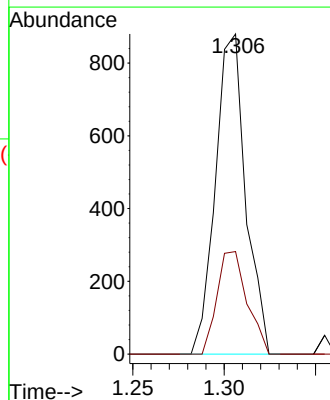
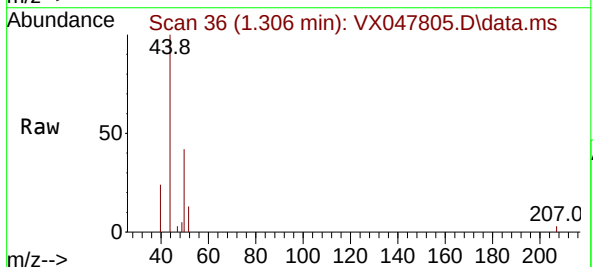
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-DUP-20250922

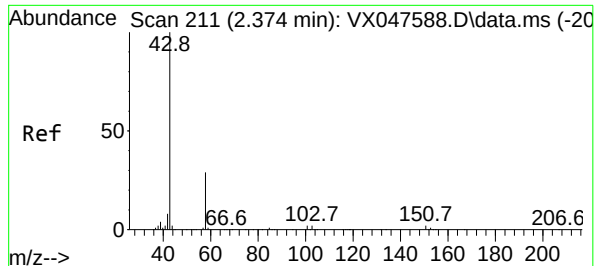
Tgt Ion:168 Resp: 118043
Ion Ratio Lower Upper
168 100
99 66.4 48.8 73.2



#3
Chloromethane
Concen: 0.631 ug/l
RT: 1.306 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX047805.D
Acq: 25 Sep 2025 12:49

Tgt Ion: 50 Resp: 1013
Ion Ratio Lower Upper
50 100
52 32.0 26.1 39.1

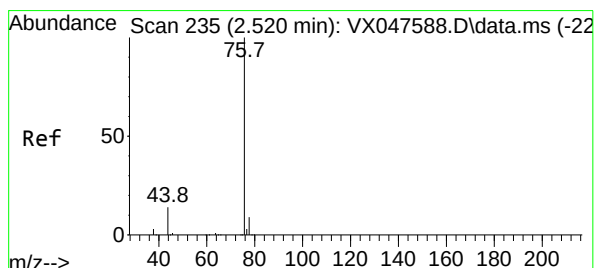
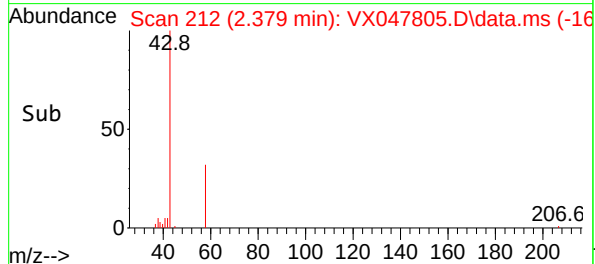
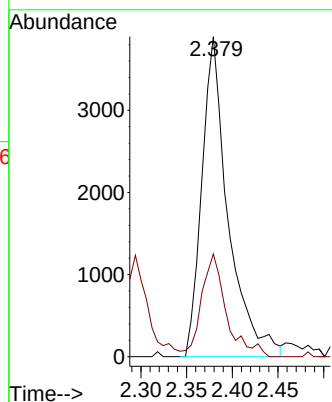
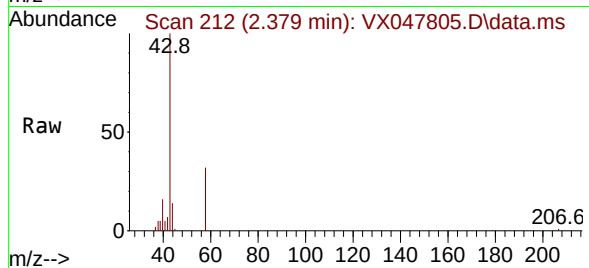




#16
Acetone
Concen: 9.532 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047805.D
Acq: 25 Sep 2025 12:49

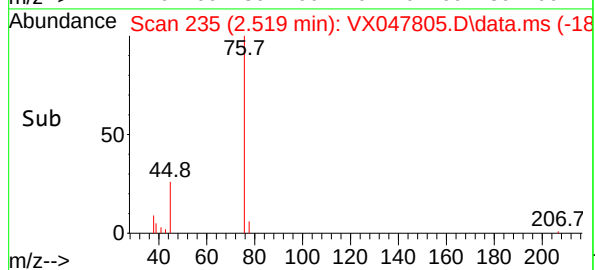
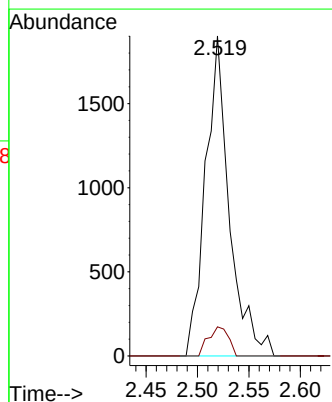
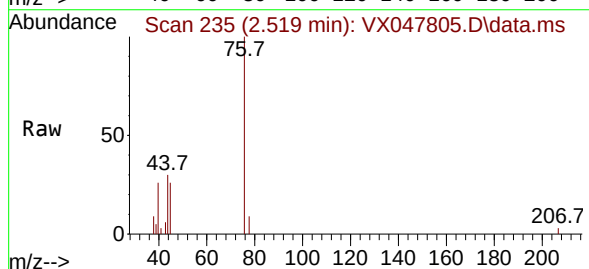
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-DUP-20250922

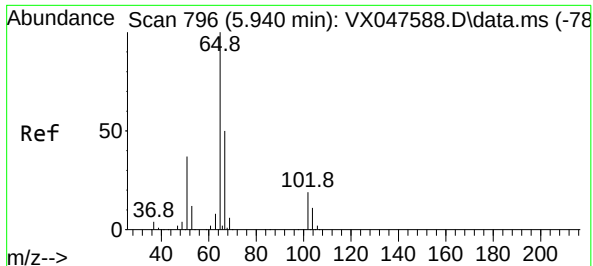
Tgt Ion: 43 Resp: 7787
Ion Ratio Lower Upper
43 100
58 32.1 23.4 35.0



#17
Carbon Disulfide
Concen: 0.801 ug/l
RT: 2.519 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX047805.D
Acq: 25 Sep 2025 12:49

Tgt Ion: 76 Resp: 3075
Ion Ratio Lower Upper
76 100
78 9.1 6.8 10.2





#33

1,2-Dichloroethane-d4

Concen: 54.421 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047805.D

Acq: 25 Sep 2025 12:49

Instrument :

MSVOA_X

ClientSampleId :

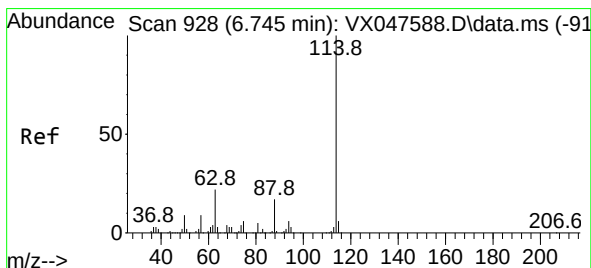
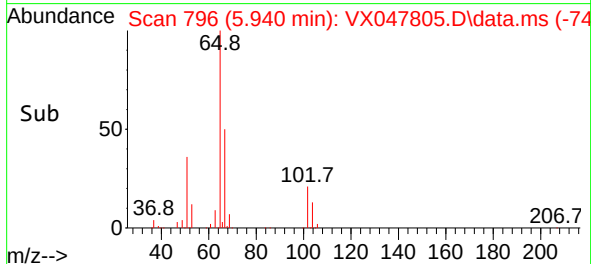
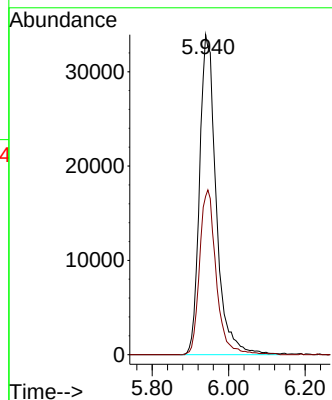
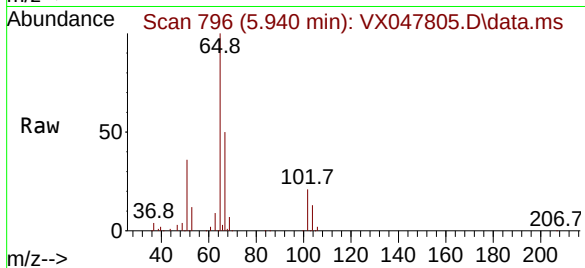
BP-VPB-184-DUP-20250922

Tgt Ion: 65 Resp: 102254

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.744 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX047805.D

Acq: 25 Sep 2025 12:49

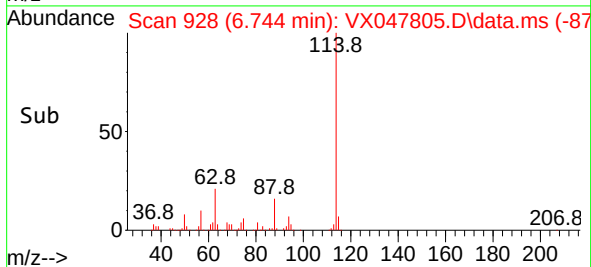
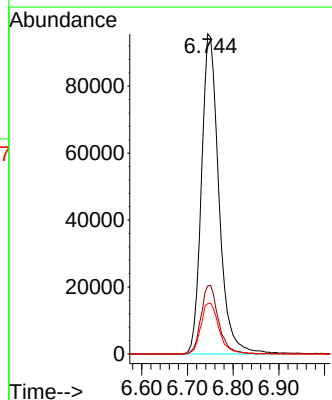
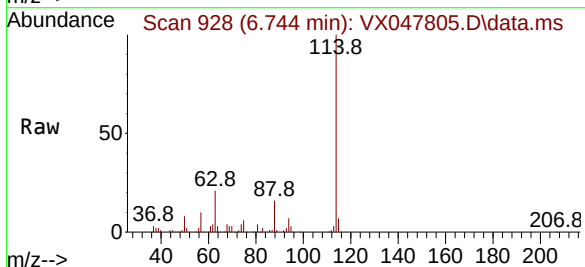
Tgt Ion: 114 Resp: 252631

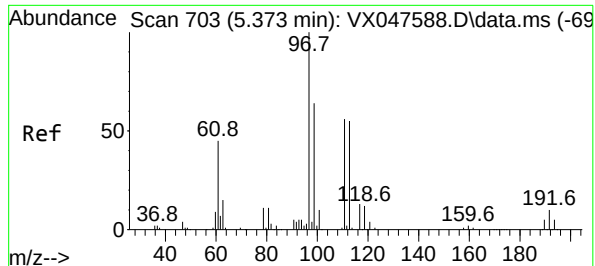
Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.0

88 15.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.939 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047805.D

Acq: 25 Sep 2025 12:49

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-DUP-20250922

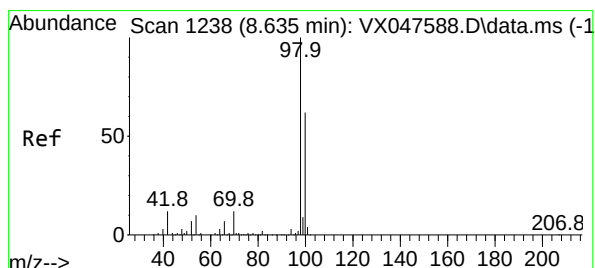
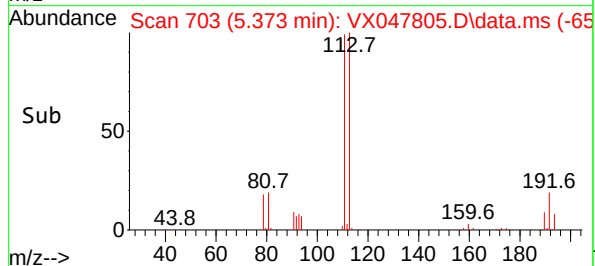
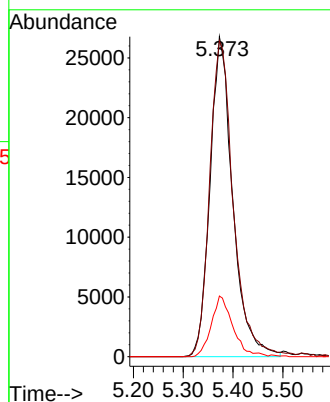
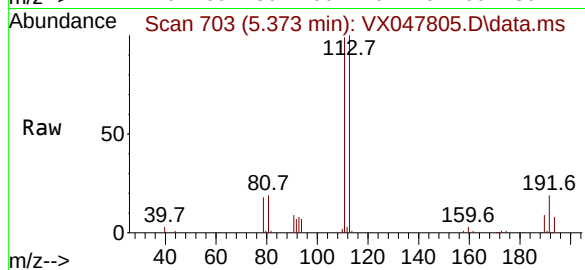
Tgt Ion:113 Resp: 84610

Ion Ratio Lower Upper

113 100

111 102.9 80.9 121.3

192 18.0 14.2 21.4



#50

Toluene-d8

Concen: 49.168 ug/l

RT: 8.634 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047805.D

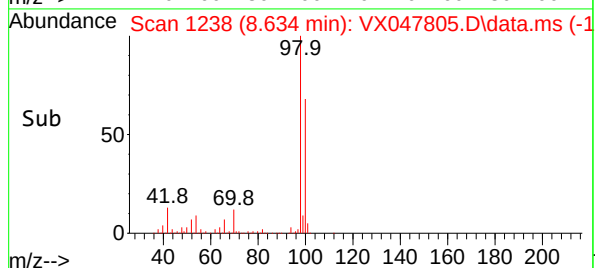
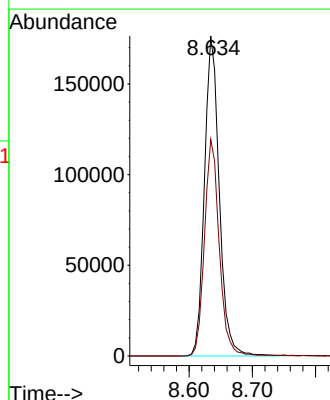
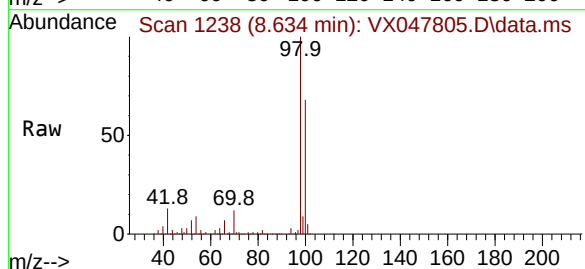
Acq: 25 Sep 2025 12:49

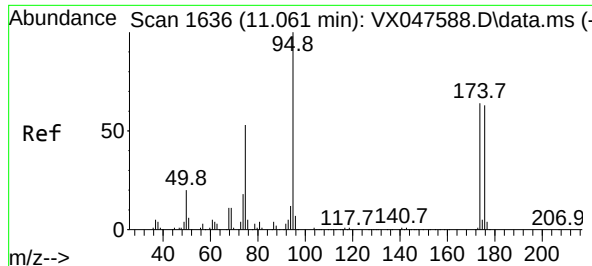
Tgt Ion: 98 Resp: 288250

Ion Ratio Lower Upper

98 100

100 67.5 53.0 79.4





#62

4-Bromofluorobenzene

Concen: 55.522 ug/l

RT: 11.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX047805.D

Acq: 25 Sep 2025 12:49

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-DUP-20250922

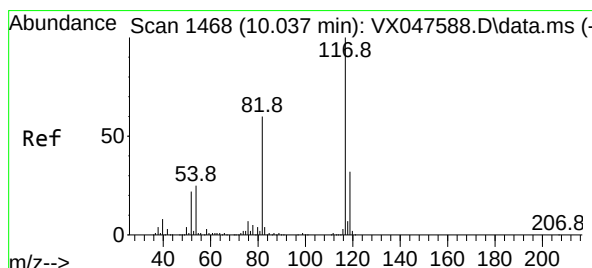
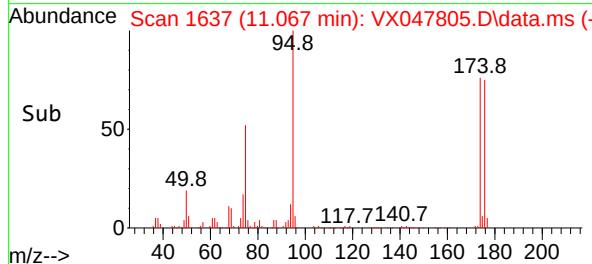
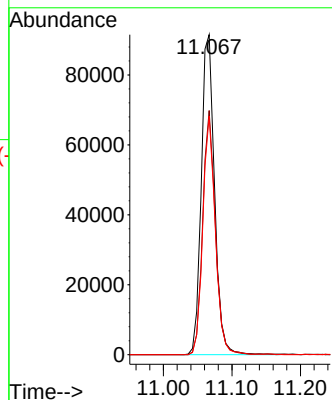
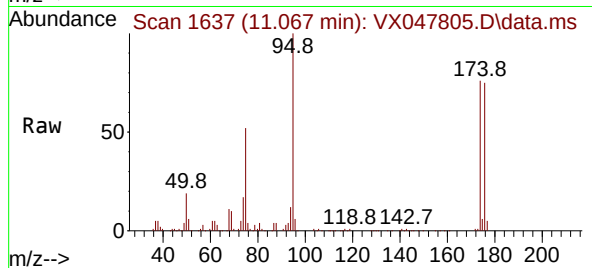
Tgt Ion: 95 Resp: 123534

Ion Ratio Lower Upper

95 100

174 72.7 0.0 141.6

176 70.4 0.0 138.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.036 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX047805.D

Acq: 25 Sep 2025 12:49

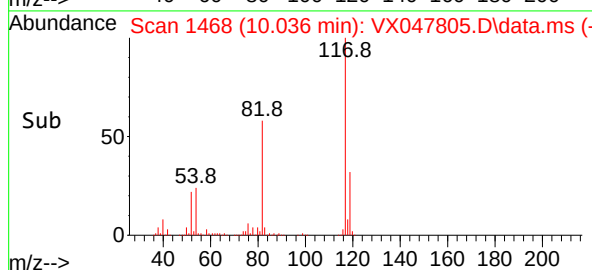
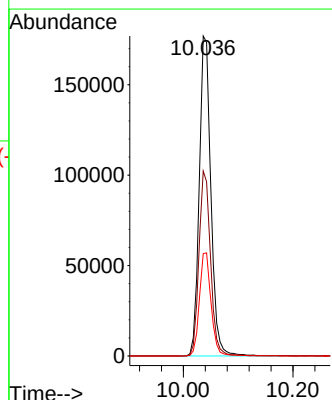
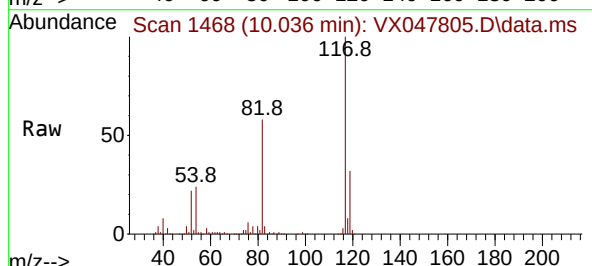
Tgt Ion: 117 Resp: 261796

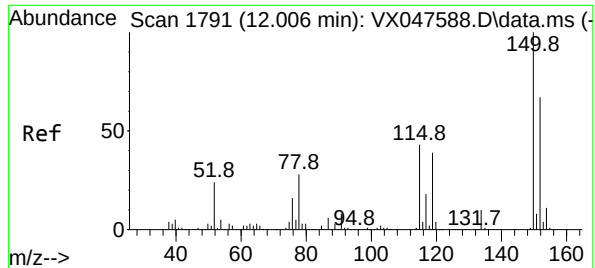
Ion Ratio Lower Upper

117 100

82 57.8 47.8 71.6

119 32.0 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047805.D

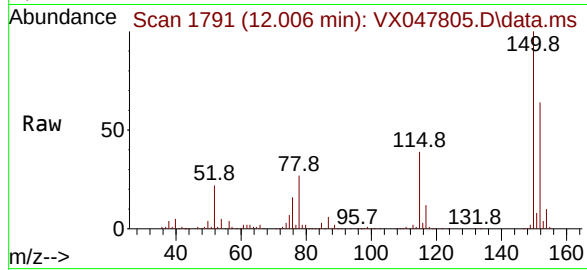
Acq: 25 Sep 2025 12:49

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-DUP-20250922



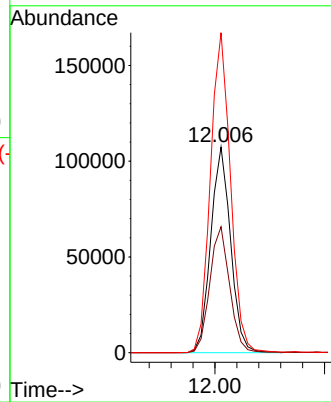
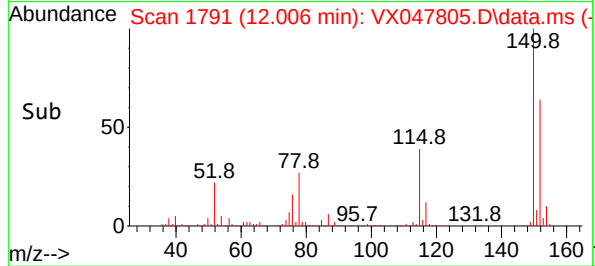
Tgt Ion:152 Resp: 135087

Ion Ratio Lower Upper

152 100

115 61.4 44.9 134.5

150 157.3 0.0 352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047805.D
Acq On : 25 Sep 2025 12:49
Operator : JC/MD
Sample : Q3165-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-DUP-20250922

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047805.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.148	8	10	18	rVB3	5431	9461	1.13%	0.207%
2	1.459	58	61	66	rBV	8937	10862	1.30%	0.238%
3	2.379	207	212	219	rBV2	6154	11131	1.33%	0.244%
4	5.373	693	703	719	rBV2	85968	273833	32.72%	5.998%
5	5.543	721	731	751	rVB2	116240	362173	43.28%	7.932%
6	5.940	785	796	818	rBV	92261	279135	33.36%	6.114%
7	6.744	918	928	948	rBV	226841	600930	71.81%	13.162%
8	8.634	1231	1238	1247	rBV	476437	775155	92.63%	16.978%
9	10.036	1462	1468	1482	rBV	556854	818533	97.82%	17.928%
10	11.067	1631	1637	1648	rBV	442367	587747	70.24%	12.873%
11	12.006	1785	1791	1800	rBV	648536	836816	100.00%	18.328%

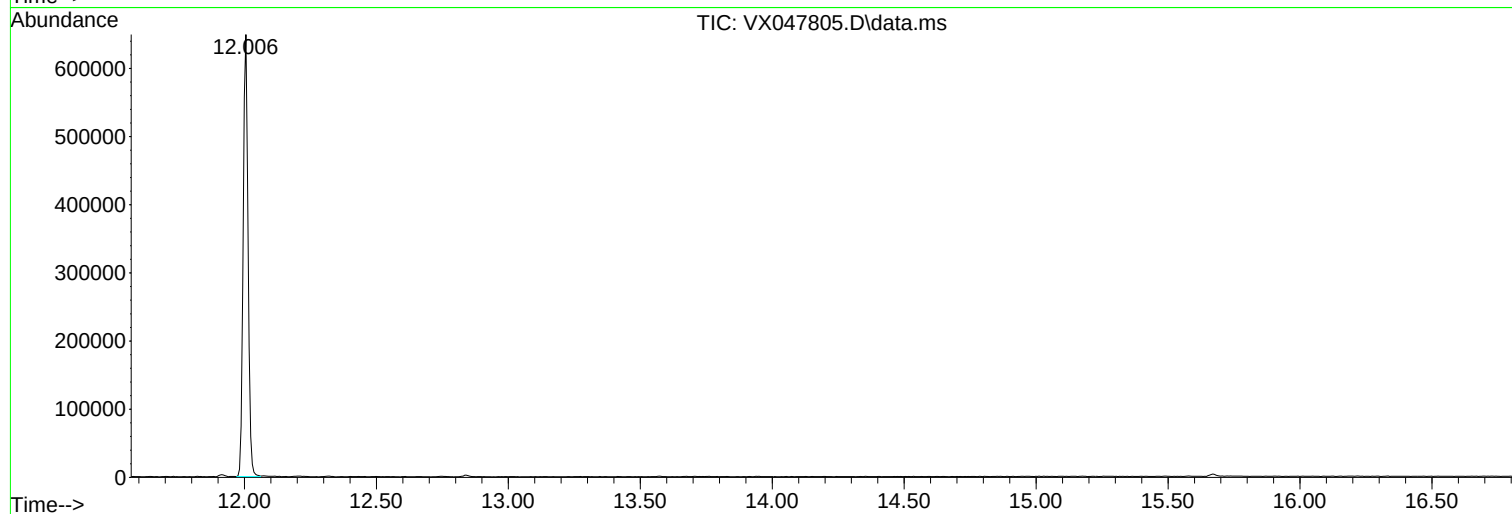
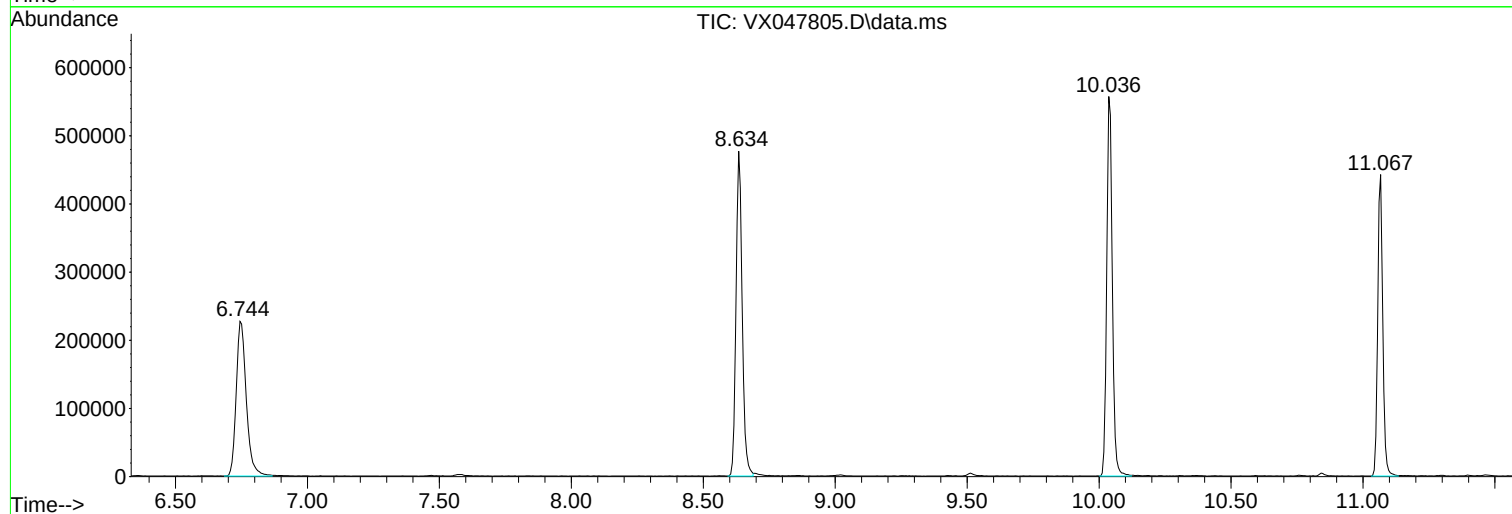
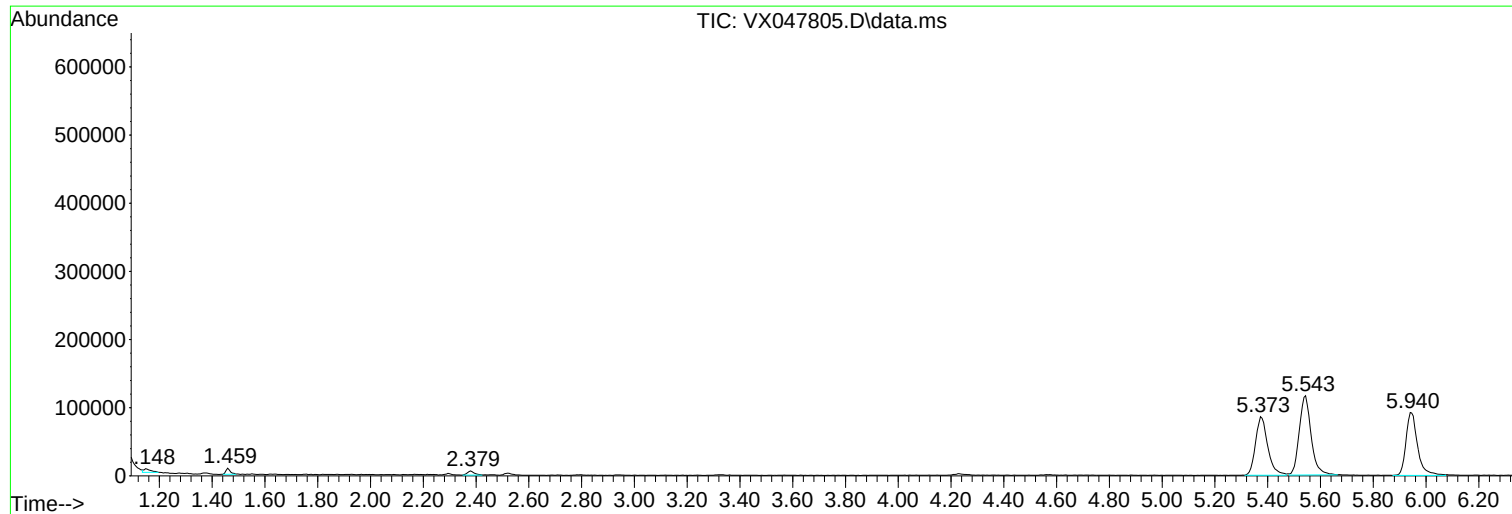
Sum of corrected areas: 4565776

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047805.D
Acq On : 25 Sep 2025 12:49
Operator : JC/MD
Sample : Q3165-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-DUP-20250922

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047805.D
Acq On : 25 Sep 2025 12:49
Operator : JC/MD
Sample : Q3165-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-DUP-20250922

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX092525\
Data File : VX047805.D
Acq On : 25 Sep 2025 12:49
Operator : JC/MD
Sample : Q3165-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-DUP-20250922

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-300-302		SDG No.:	Q3165	
Lab Sample ID:	Q3165-07		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047806.D	1	09/25/25 13:10	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.74	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	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	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	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	0.23	0.75	1.00	ug/L
67-64-1	Acetone	16.2		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.71	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	3.50	J	0.98	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	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-300-302		SDG No.:	Q3165	
Lab Sample ID:	Q3165-07		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047806.D	1	09/25/25 13:10	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	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	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.9		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.6		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	119000	5.544				
540-36-3	1,4-Difluorobenzene	254000	6.745				
3114-55-4	Chlorobenzene-d5	262000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	127000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/22/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-GW-300-302	SDG No.:	Q3165
Lab Sample ID:	Q3165-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047806.D	1	09/25/25 13:10	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

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\VX092525\
Data File : VX047806.D
Acq On : 25 Sep 2025 13:10
Operator : JC/MD
Sample : Q3165-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-300-302

Quant Time: Sep 26 01:27:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

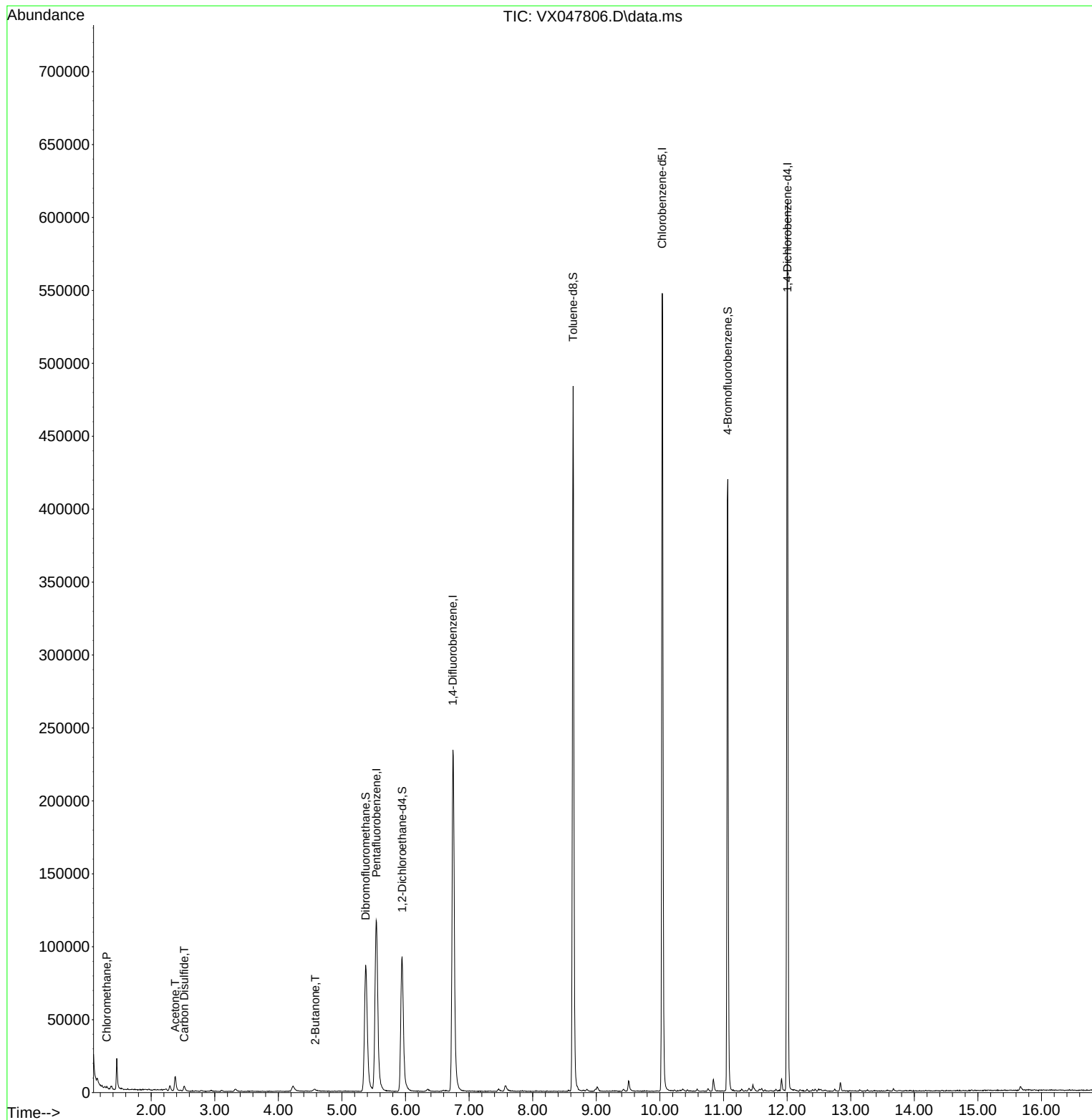
Internal Standards						
1) Pentafluorobenzene	5.544	168	119390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	254220	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	261705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	100498	52.883	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	105.760%	
35) Dibromofluoromethane	5.373	113	84663	49.658	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.320%	
50) Toluene-d8	8.634	98	292394	49.563	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	99.120%	
62) 4-Bromofluorobenzene	11.067	95	121659	54.338	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	108.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	1199	0.738	ug/l #	87
16) Acetone	2.380	43	13378	16.190	ug/l #	89
17) Carbon Disulfide	2.520	76	2759	0.710	ug/l	99
25) 2-Butanone	4.580	43	3619	3.511	ug/l #	88

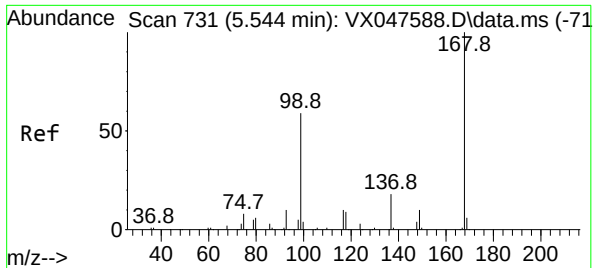
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047806.D
Acq On : 25 Sep 2025 13:10
Operator : JC/MD
Sample : Q3165-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-300-302

Quant Time: Sep 26 01:27:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

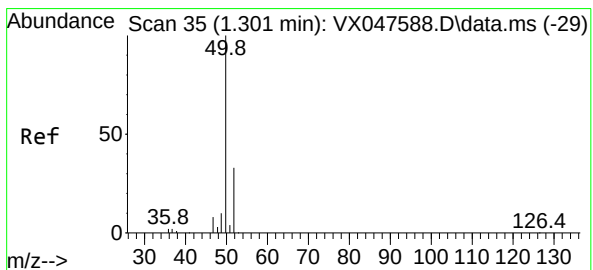
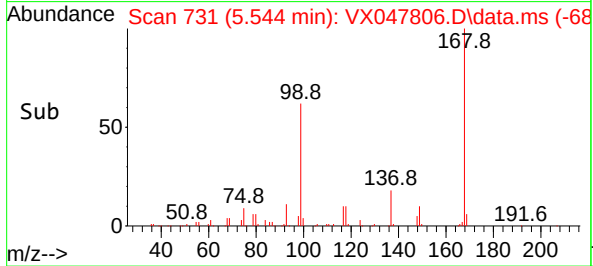
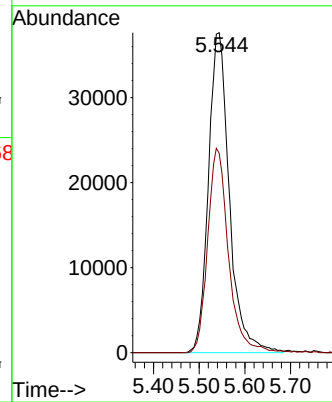
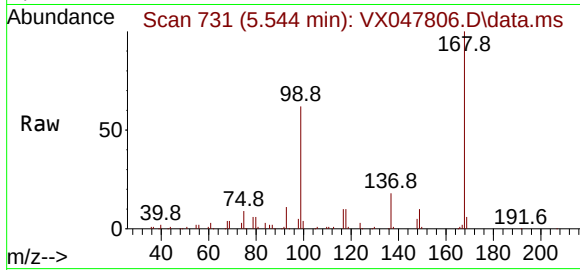




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047806.D
Acq: 25 Sep 2025 13:10

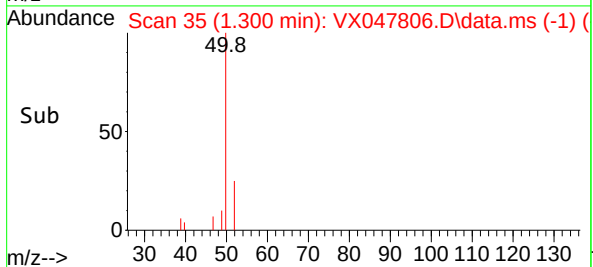
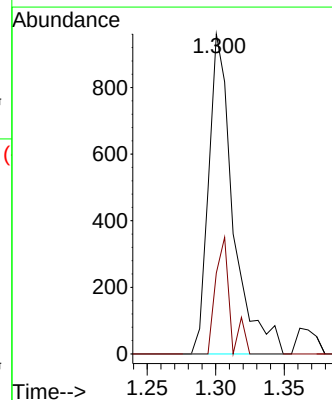
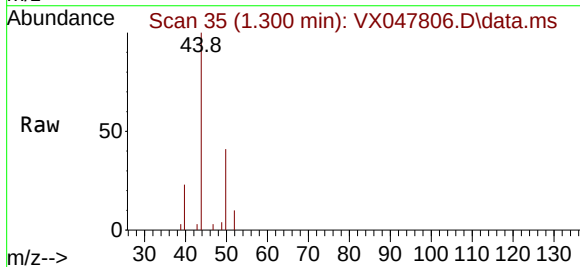
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-300-302

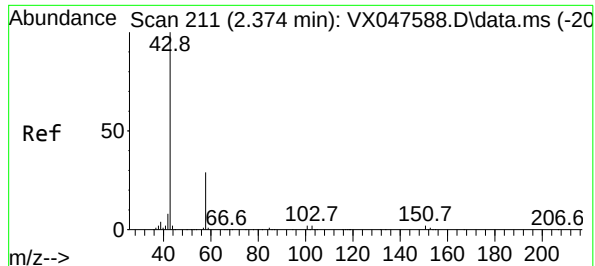
Tgt Ion:168 Resp: 119390
Ion Ratio Lower Upper
168 100
99 62.3 48.8 73.2



#3
Chloromethane
Concen: 0.738 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047806.D
Acq: 25 Sep 2025 13:10

Tgt Ion: 50 Resp: 1199
Ion Ratio Lower Upper
50 100
52 25.3 26.1 39.1#

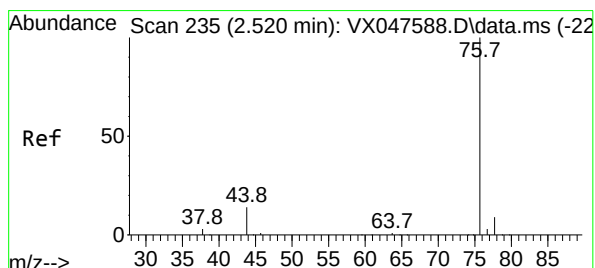
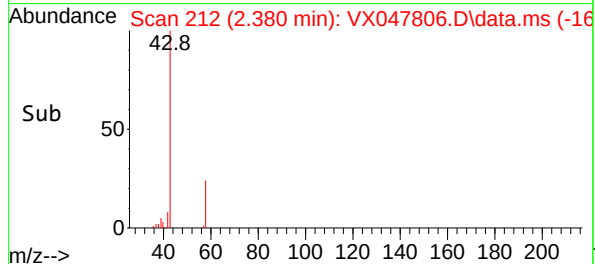
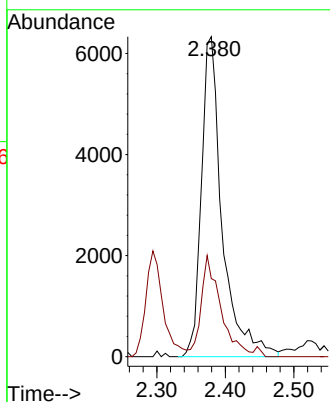
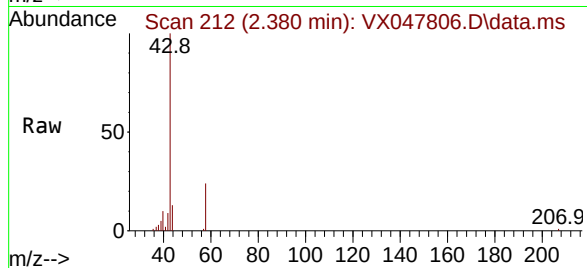




#16
Acetone
Concen: 16.190 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047806.D
Acq: 25 Sep 2025 13:10

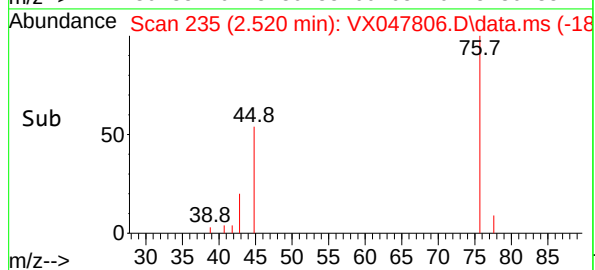
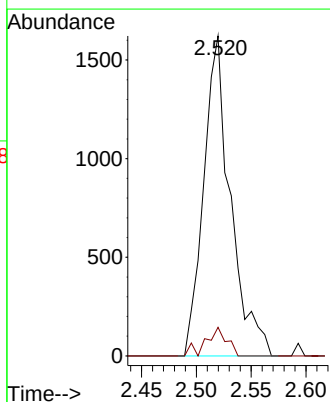
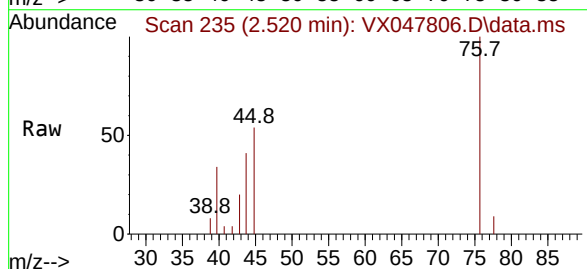
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-300-302

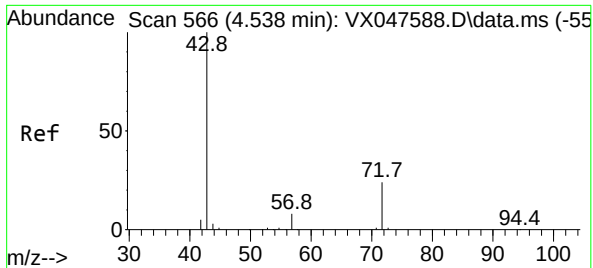
Tgt Ion: 43 Resp: 13378
Ion Ratio Lower Upper
43 100
58 23.2 23.4 35.0#



#17
Carbon Disulfide
Concen: 0.710 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX047806.D
Acq: 25 Sep 2025 13:10

Tgt Ion: 76 Resp: 2759
Ion Ratio Lower Upper
76 100
78 8.9 6.8 10.2





#25

2-Butanone

Concen: 3.511 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.042 min

Lab File: VX047806.D

Acq: 25 Sep 2025 13:10

Instrument :

MSVOA_X

ClientSampleId :

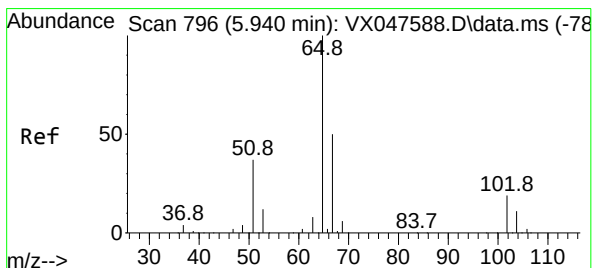
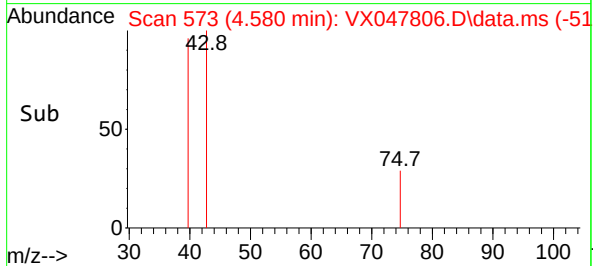
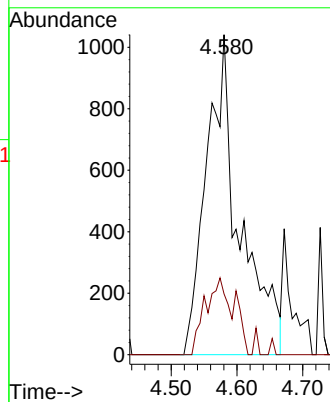
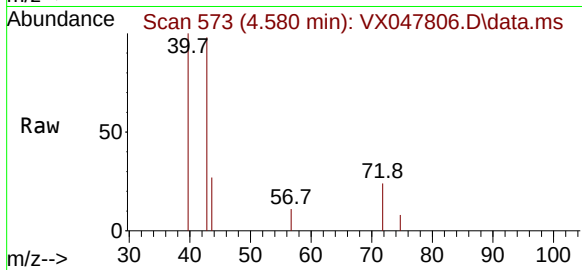
BP-VPB-184-GW-300-302

Tgt Ion: 43 Resp: 3619

Ion Ratio Lower Upper

43 100

72 19.0 20.1 30.1#



#33

1,2-Dichloroethane-d4

Concen: 52.883 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX047806.D

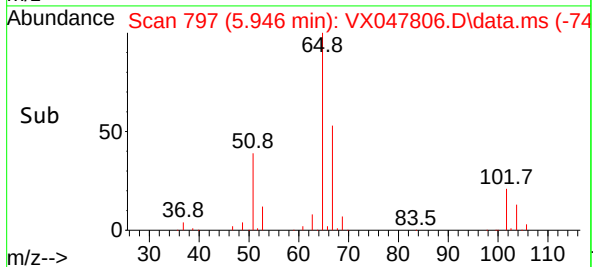
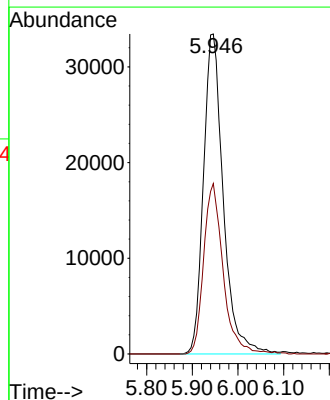
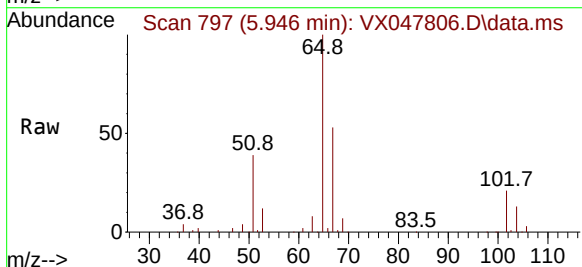
Acq: 25 Sep 2025 13:10

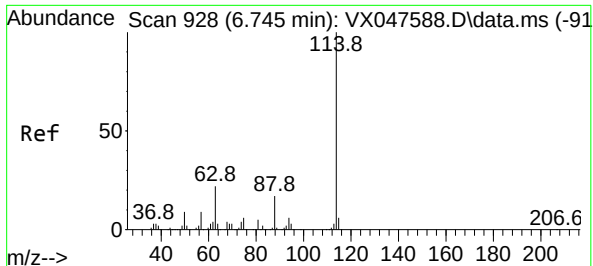
Tgt Ion: 65 Resp: 100498

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX047806.D

Acq: 25 Sep 2025 13:10

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-300-302

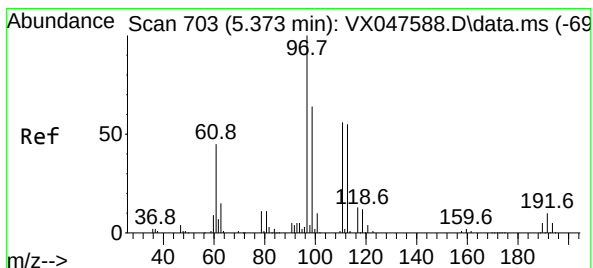
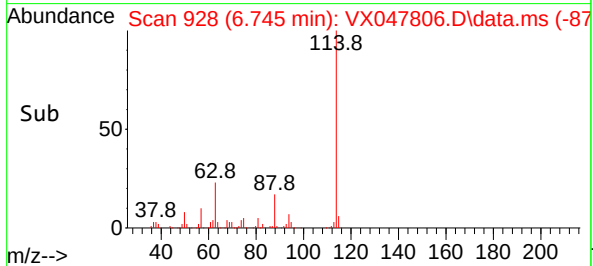
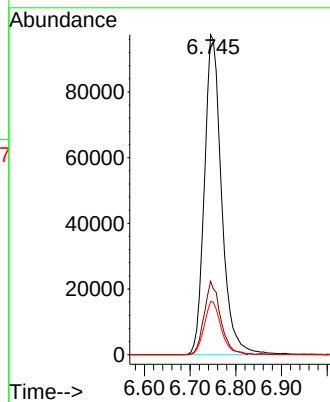
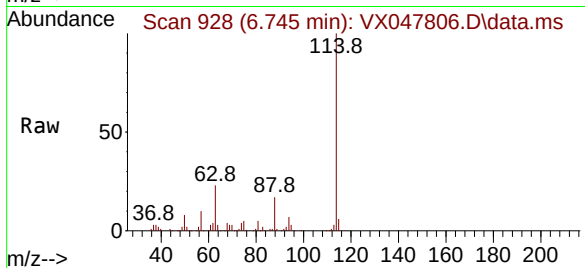
Tgt Ion:114 Resp: 254220

Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.0

88 16.6 0.0 34.2



#35

Dibromofluoromethane

Concen: 49.658 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047806.D

Acq: 25 Sep 2025 13:10

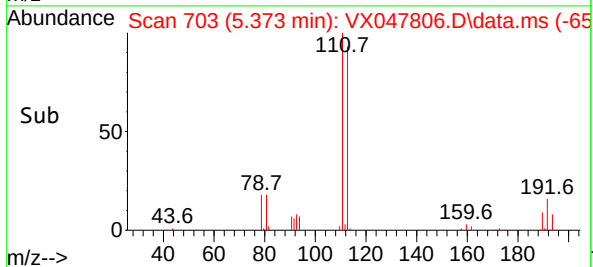
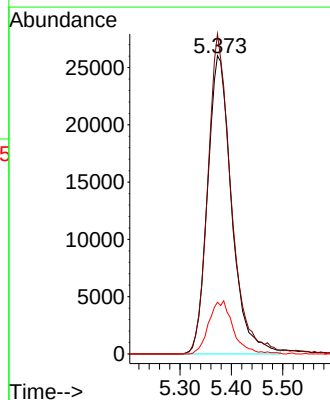
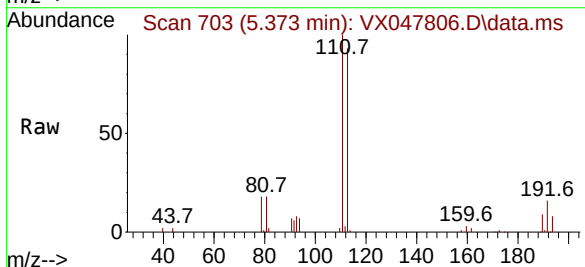
Tgt Ion:113 Resp: 84663

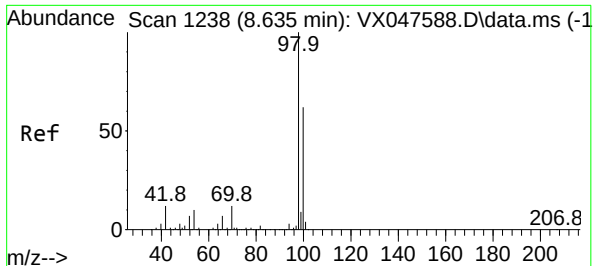
Ion Ratio Lower Upper

113 100

111 103.8 80.9 121.3

192 18.1 14.2 21.4





#50

Toluene-d8

Concen: 49.563 ug/l

RT: 8.634 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047806.D

Acq: 25 Sep 2025 13:10

Instrument :

MSVOA_X

ClientSampleId :

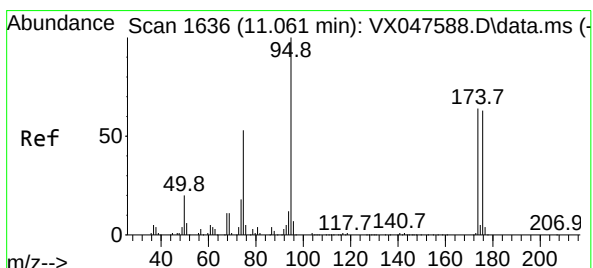
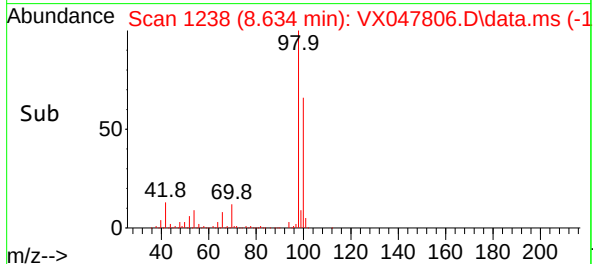
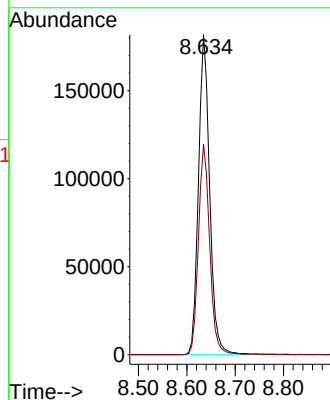
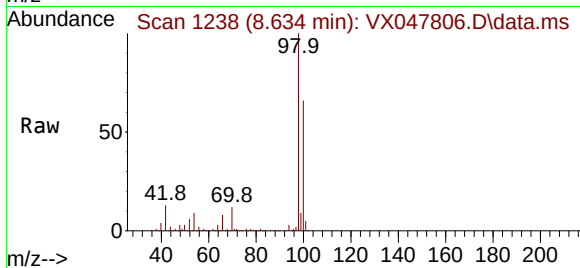
BP-VPB-184-GW-300-302

Tgt Ion: 98 Resp: 292394

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 54.338 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. 0.006 min

Lab File: VX047806.D

Acq: 25 Sep 2025 13:10

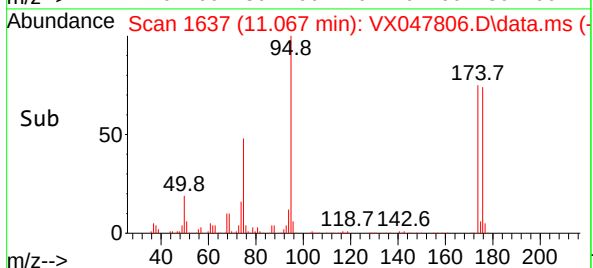
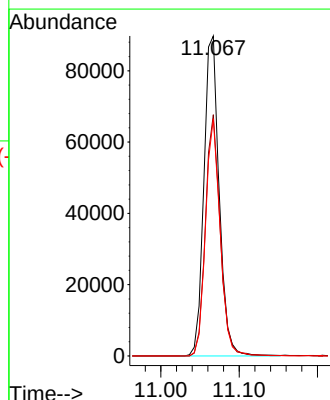
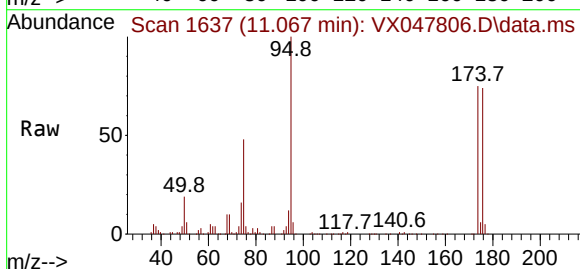
Tgt Ion: 95 Resp: 121659

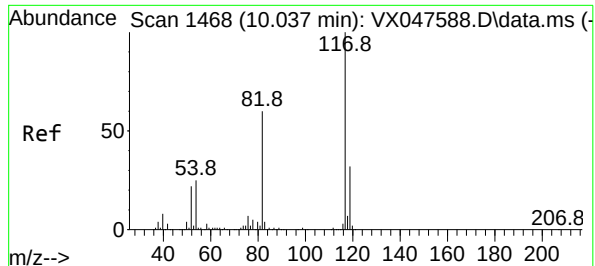
Ion Ratio Lower Upper

95 100

174 72.6 0.0 141.6

176 70.9 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX047806.D

Acq: 25 Sep 2025 13:10

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-300-302

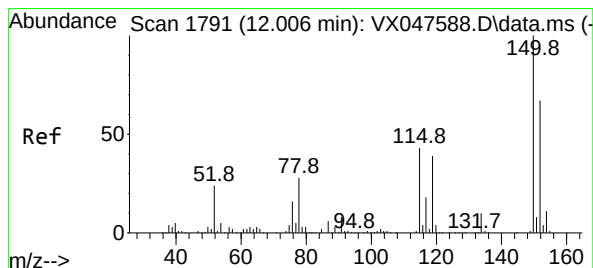
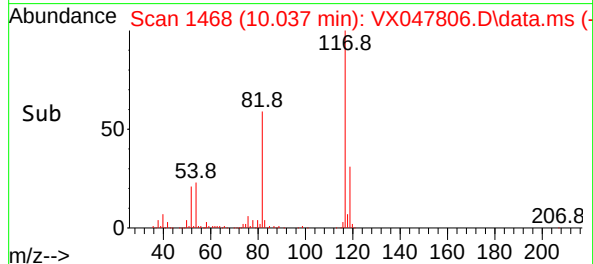
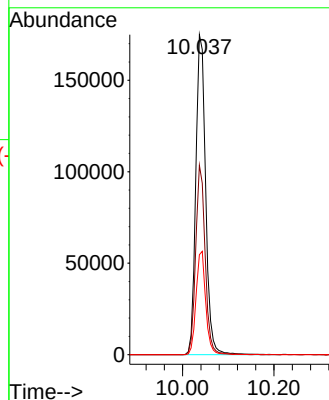
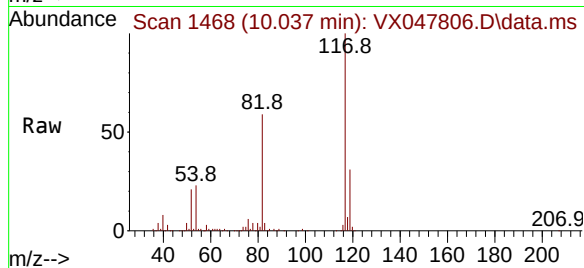
Tgt Ion:117 Resp: 261705

Ion Ratio Lower Upper

117 100

82 59.2 47.8 71.6

119 31.2 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047806.D

Acq: 25 Sep 2025 13:10

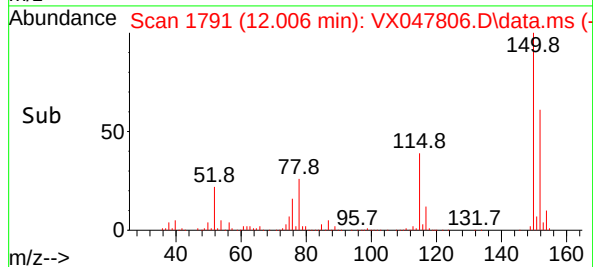
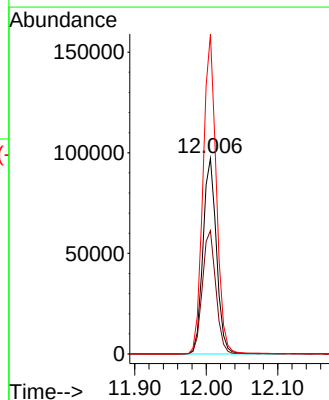
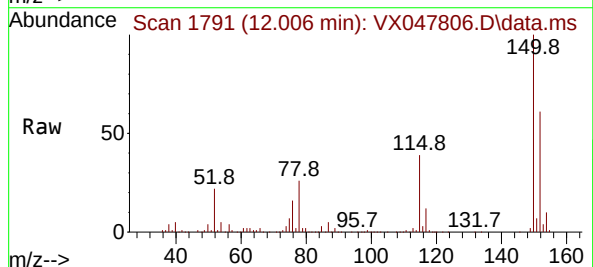
Tgt Ion:152 Resp: 127218

Ion Ratio Lower Upper

152 100

115 63.5 44.9 134.5

150 161.5 0.0 352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047806.D
Acq On : 25 Sep 2025 13:10
Operator : JC/MD
Sample : Q3165-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-300-302

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\82X091625W.M

Title : SW846 8260

Signal : TIC: VX047806.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.148	8	10	21	rVB4	5499	11855	1.46%	0.255%
2	1.459	57	61	72	rBV	21235	27547	3.39%	0.593%
3	2.380	205	212	222	rBV	9533	18165	2.23%	0.391%
4	4.233	509	516	528	rBV4	3618	11349	1.40%	0.244%
5	5.373	692	703	720	rBV3	86575	278769	34.29%	6.004%
6	5.537	720	730	755	rVB	116927	372746	45.85%	8.028%
7	5.946	785	797	818	rBV	92516	277841	34.18%	5.984%
8	6.745	918	928	954	rBV	233863	608900	74.90%	13.115%
9	7.568	1055	1063	1070	rBV4	3658	9101	1.12%	0.196%
10	8.634	1231	1238	1256	rBV	483342	786910	96.80%	16.949%
11	9.506	1377	1381	1394	rBV3	6973	12394	1.52%	0.267%
12	10.037	1461	1468	1486	rBV	547055	812943	100.00%	17.510%
13	10.841	1595	1600	1609	rBV2	7931	12482	1.54%	0.269%
14	11.067	1631	1637	1649	rBV	419144	575153	70.75%	12.388%
15	11.914	1772	1776	1782	rBV2	8144	11697	1.44%	0.252%
16	12.006	1785	1791	1800	rBV	608634	806547	99.21%	17.372%
17	12.835	1921	1927	1933	rBV4	5792	8428	1.04%	0.182%

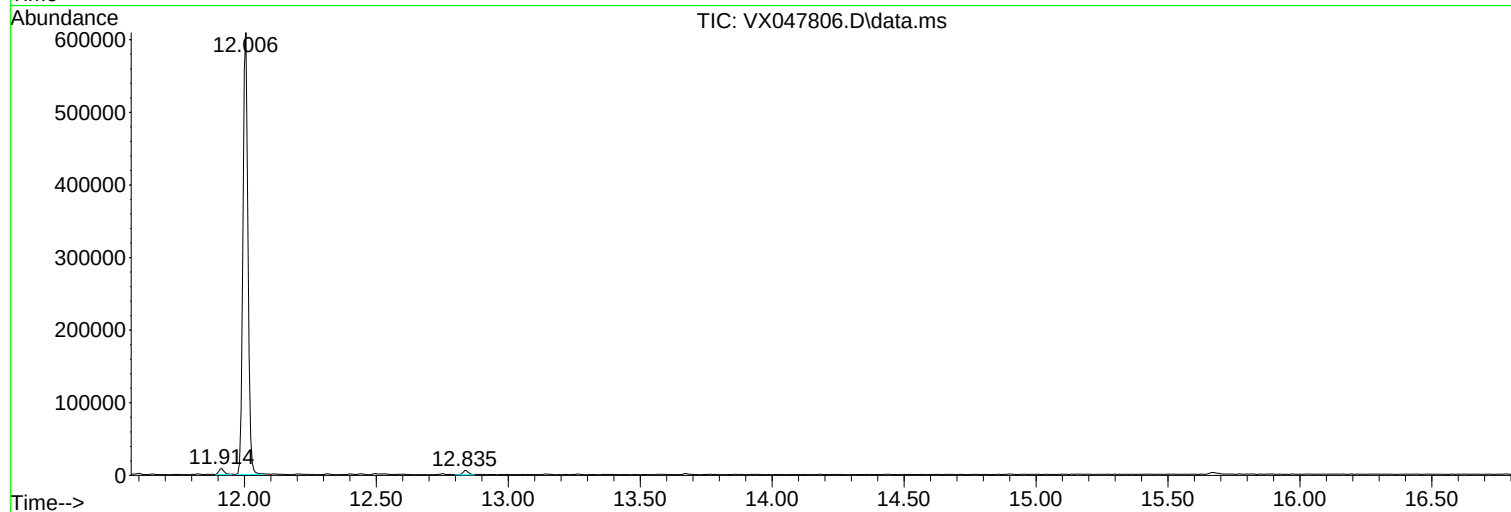
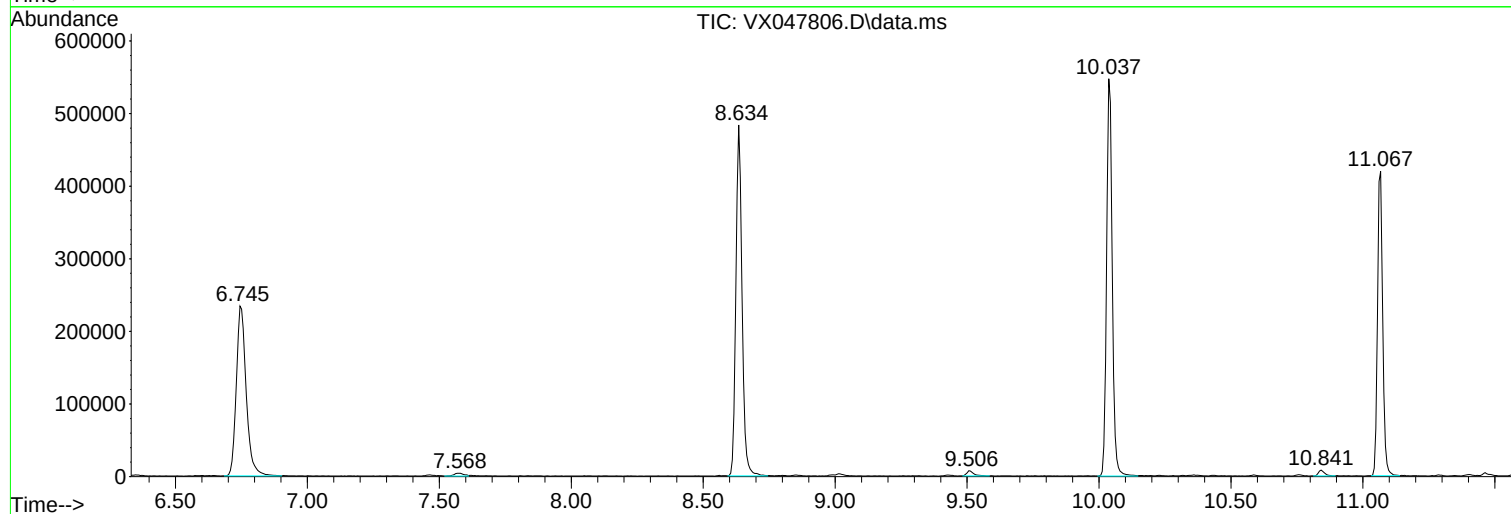
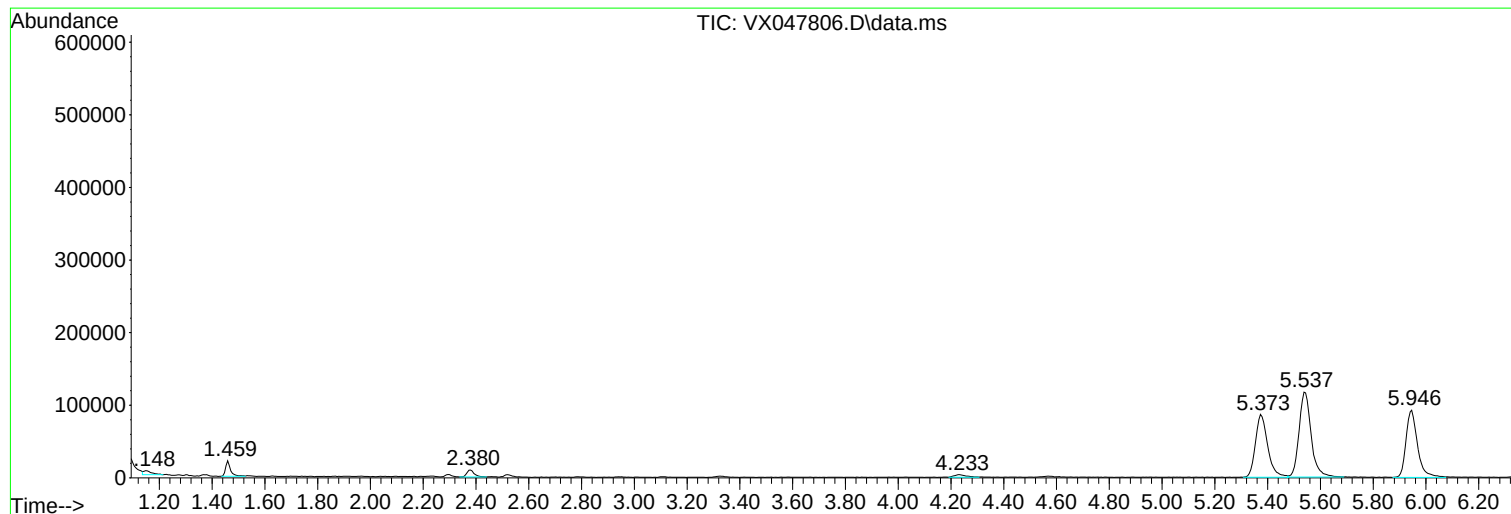
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047806.D
Acq On : 25 Sep 2025 13:10
Operator : JC/MD
Sample : Q3165-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-300-302

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047806.D
Acq On : 25 Sep 2025 13:10
Operator : JC/MD
Sample : Q3165-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-300-302

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX092525\
Data File : VX047806.D
Acq On : 25 Sep 2025 13:10
Operator : JC/MD
Sample : Q3165-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-300-302

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-320-322		SDG No.:	Q3165	
Lab Sample ID:	Q3165-08		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047820.D	1	09/25/25 18:06	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.46	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	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	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	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	0.23	0.75	1.00	ug/L
67-64-1	Acetone	8.70		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.40	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	UM	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	UM	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	UM	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	UM	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	UM	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	UM	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	UM	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	UM	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	UM	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	UM	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-320-322		SDG No.:	Q3165	
Lab Sample ID:	Q3165-08		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047820.D	1	09/25/25 18:06	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	UM	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	UM	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	UM	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	UM	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.9		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.6		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	130000	5.538				
540-36-3	1,4-Difluorobenzene	276000	6.751				
3114-55-4	Chlorobenzene-d5	286000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	146000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-GW-320-322		SDG No.:	Q3165
Lab Sample ID:	Q3165-08		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047820.D	1	09/25/25 18:06	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

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\VX092525\
Data File : VX047820.D
Acq On : 25 Sep 2025 18:06
Operator : JC/MD
Sample : Q3165-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322

Quant Time: Sep 26 01:33:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

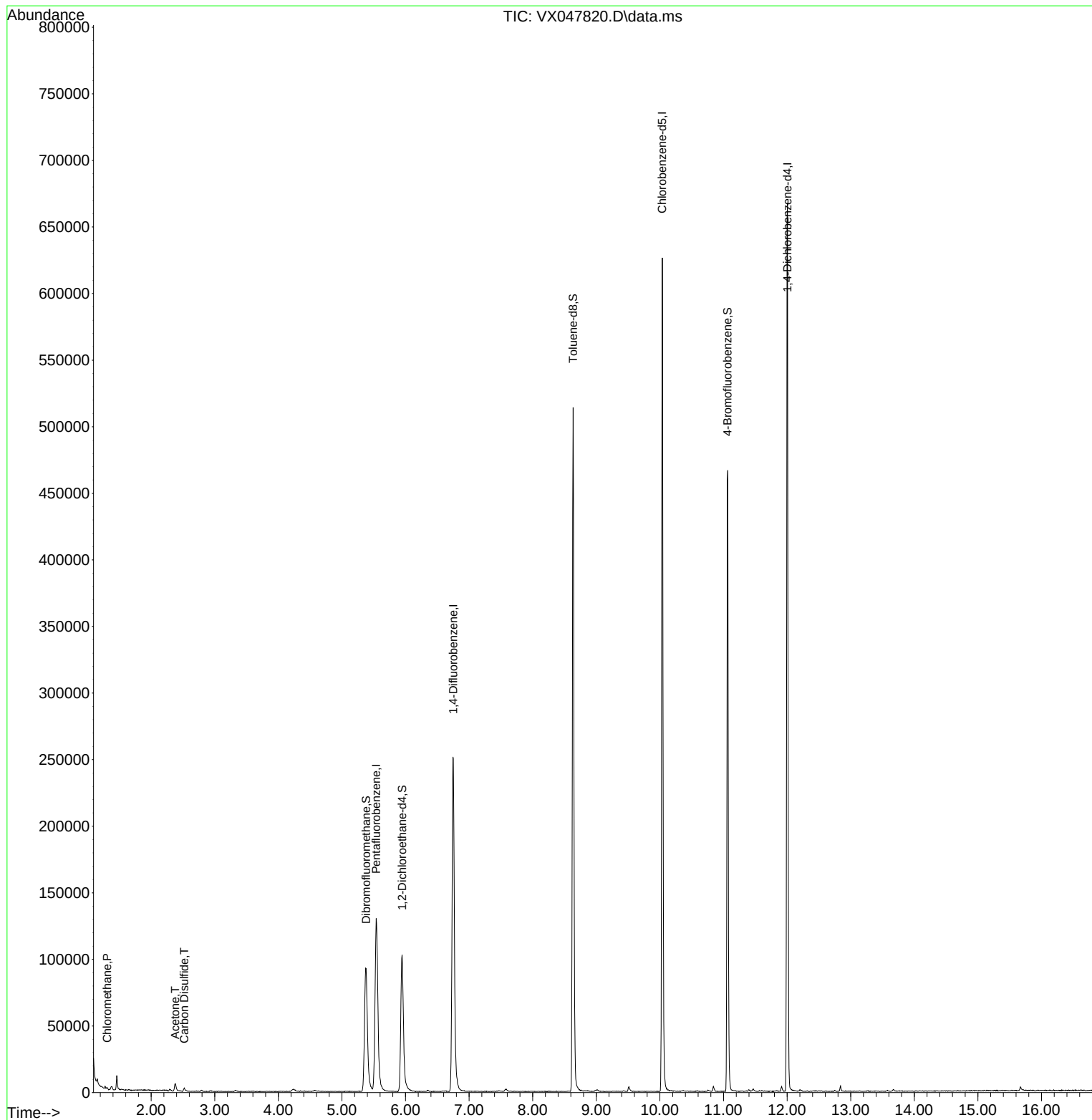
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	130467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	276215	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	285610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	145772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	111872	53.870	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 107.740%		
35) Dibromofluoromethane	5.379	113	93279	50.354	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.700%		
50) Toluene-d8	8.635	98	316968	49.450	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 98.900%		
62) 4-Bromofluorobenzene	11.061	95	135335	55.633	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 111.260%		
Target Compounds						Qvalue
3) Chloromethane	1.307	50	817	0.460	ug/l #	85
16) Acetone	2.380	43	7900	8.749	ug/l	95
17) Carbon Disulfide	2.520	76	1715	0.404	ug/l #	76

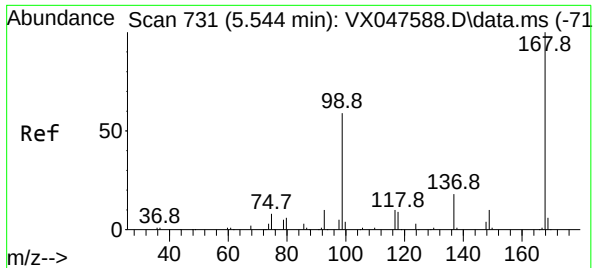
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047820.D
Acq On : 25 Sep 2025 18:06
Operator : JC/MD
Sample : Q3165-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322

Quant Time: Sep 26 01:33:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

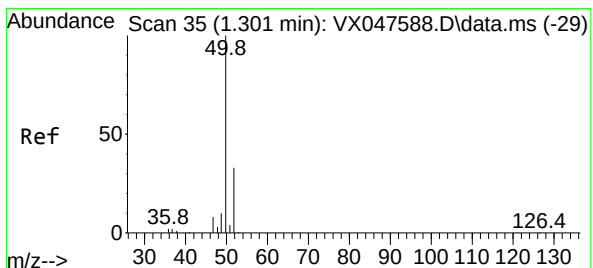
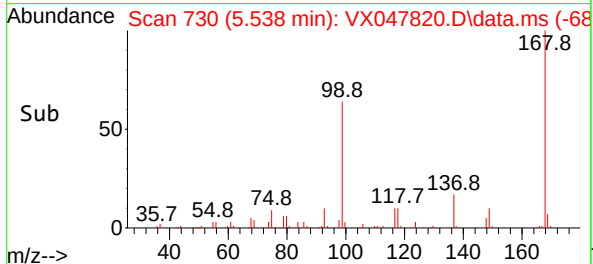
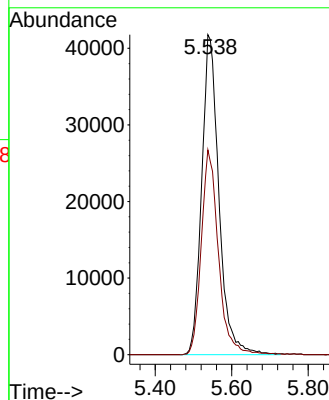
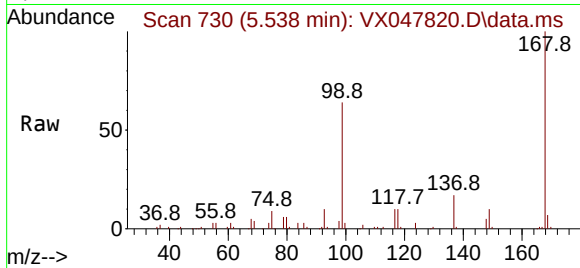




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047820.D
Acq: 25 Sep 2025 18:06

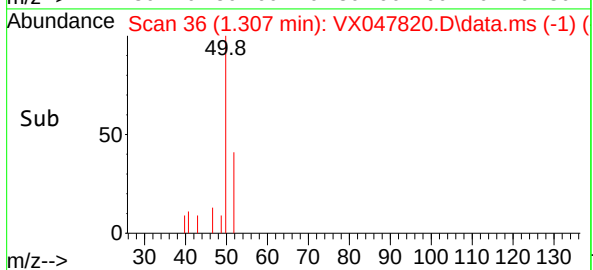
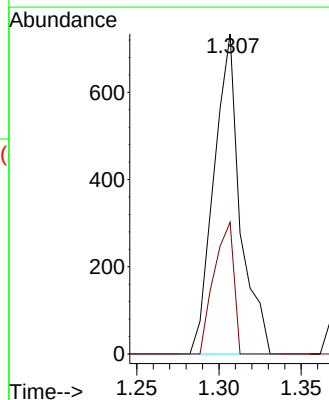
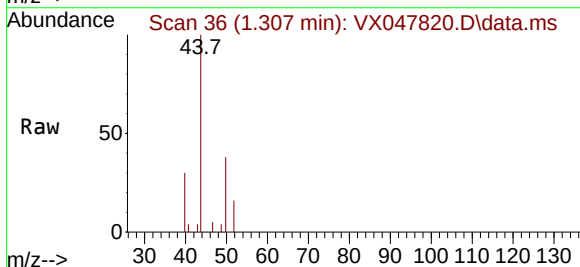
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322

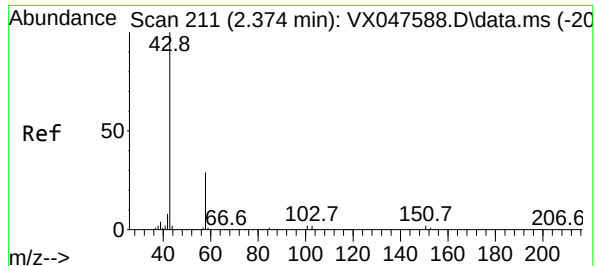
Tgt Ion:168 Resp: 130467
Ion Ratio Lower Upper
168 100
99 64.0 48.8 73.2



#3
Chloromethane
Concen: 0.460 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX047820.D
Acq: 25 Sep 2025 18:06

Tgt Ion: 50 Resp: 817
Ion Ratio Lower Upper
50 100
52 41.1 26.1 39.1#

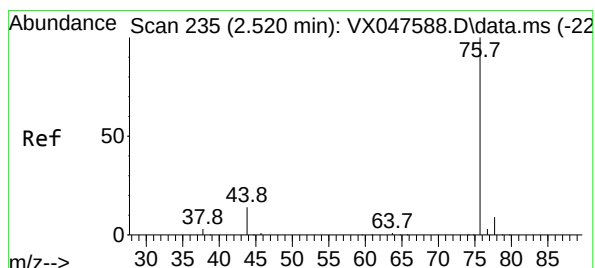
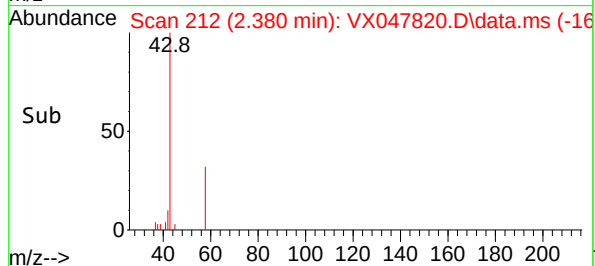
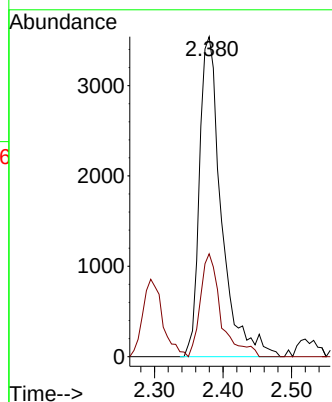
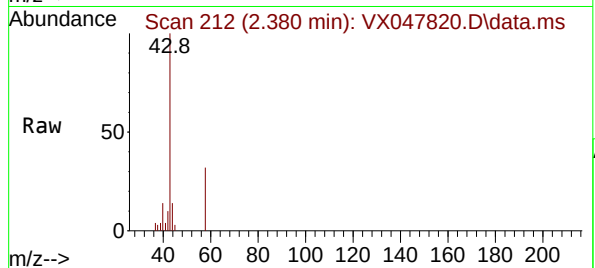




#16
Acetone
Concen: 8.749 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047820.D
Acq: 25 Sep 2025 18:06

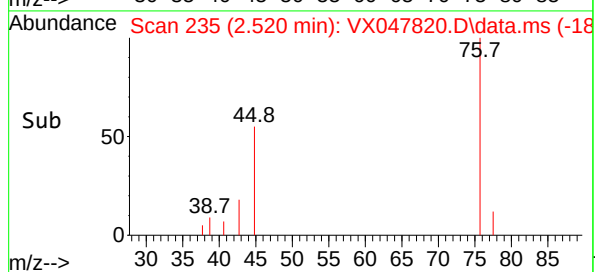
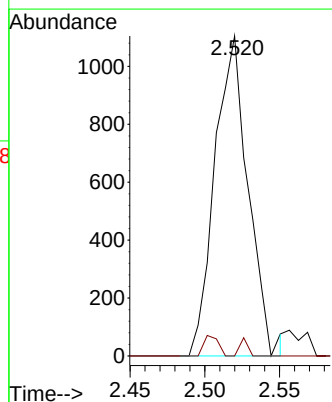
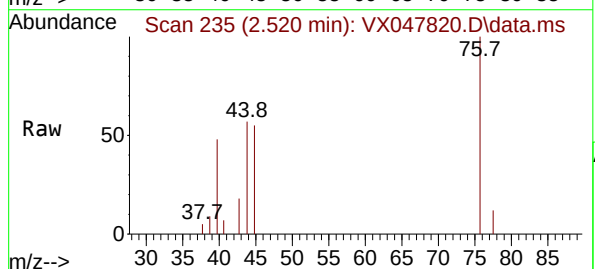
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322

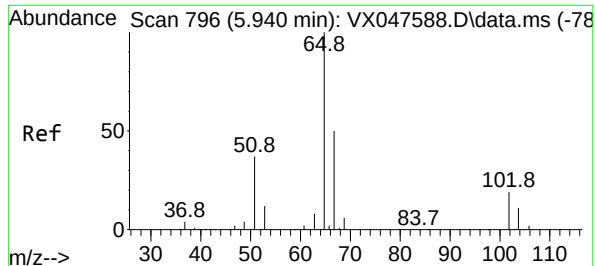
Tgt Ion: 43 Resp: 7900
Ion Ratio Lower Upper
43 100
58 32.1 23.4 35.0



#17
Carbon Disulfide
Concen: 0.404 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX047820.D
Acq: 25 Sep 2025 18:06

Tgt Ion: 76 Resp: 1715
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#





#33

1,2-Dichloroethane-d4

Concen: 53.870 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047820.D

Acq: 25 Sep 2025 18:06

Instrument :

MSVOA_X

ClientSampleId :

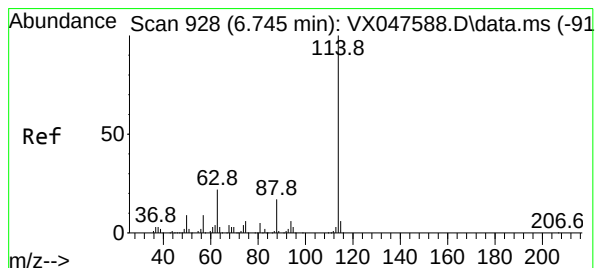
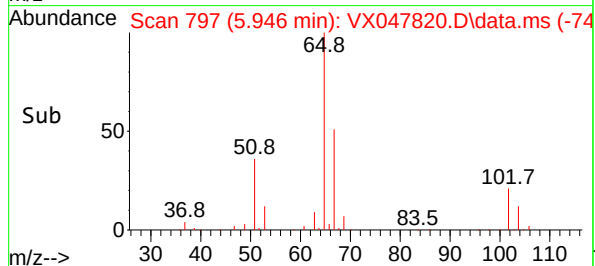
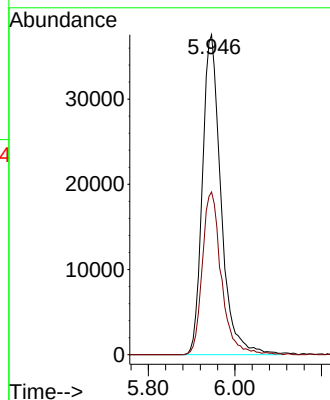
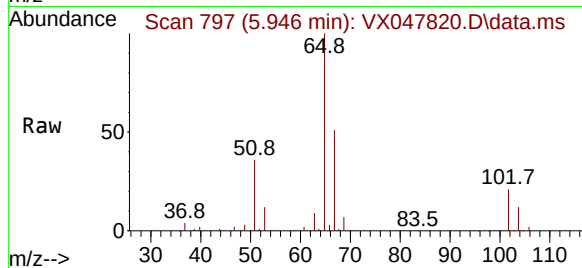
BP-VPB-184-GW-320-322

Tgt Ion: 65 Resp: 111872

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047820.D

Acq: 25 Sep 2025 18:06

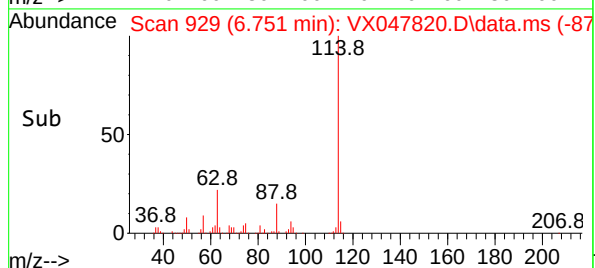
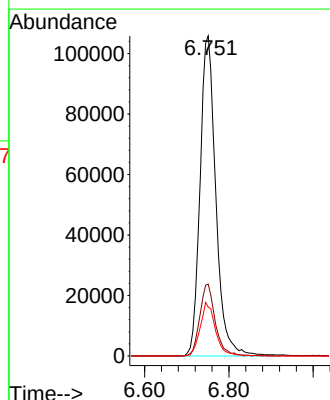
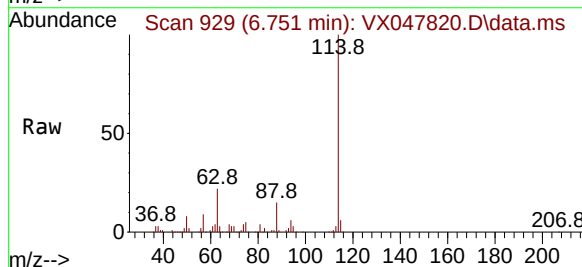
Tgt Ion: 114 Resp: 276215

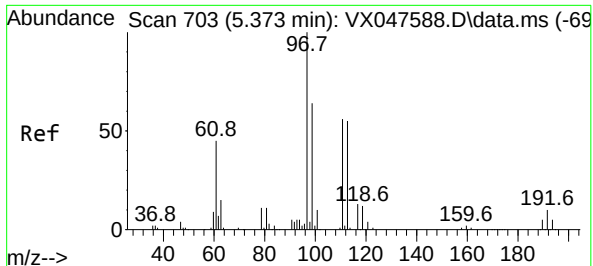
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.0

88 15.3 0.0 34.2





#35

Dibromofluoromethane

Concen: 50.354 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX047820.D

Acq: 25 Sep 2025 18:06

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322

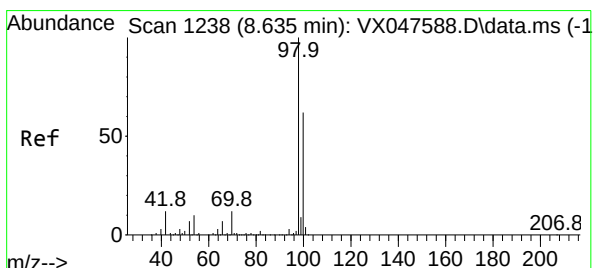
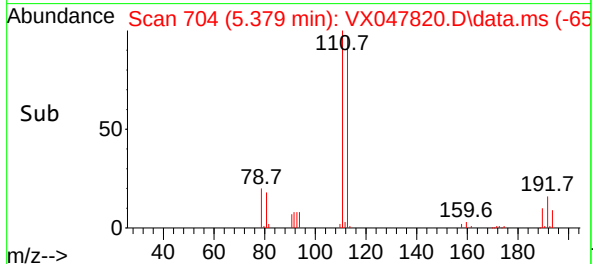
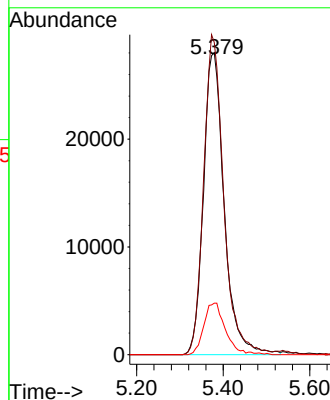
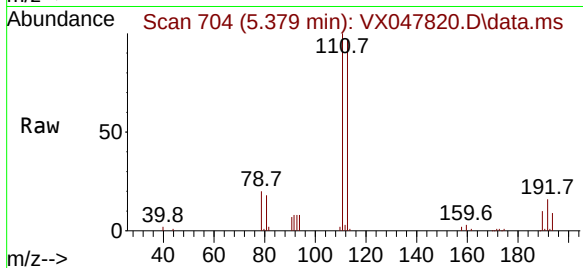
Tgt Ion:113 Resp: 93279

Ion Ratio Lower Upper

113 100

111 102.3 80.9 121.3

192 17.8 14.2 21.4



#50

Toluene-d8

Concen: 49.450 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047820.D

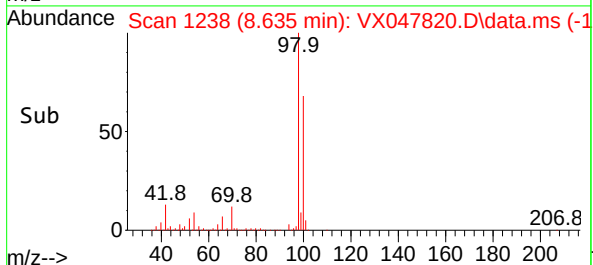
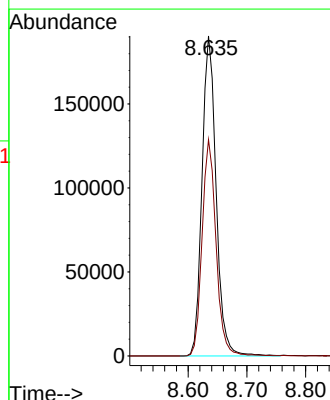
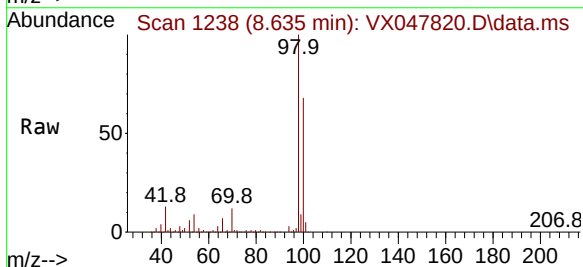
Acq: 25 Sep 2025 18:06

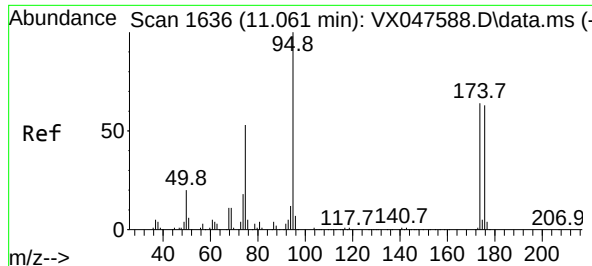
Tgt Ion: 98 Resp: 316968

Ion Ratio Lower Upper

98 100

100 67.0 53.0 79.4





#62

4-Bromofluorobenzene

Concen: 55.633 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047820.D

Acq: 25 Sep 2025 18:06

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322

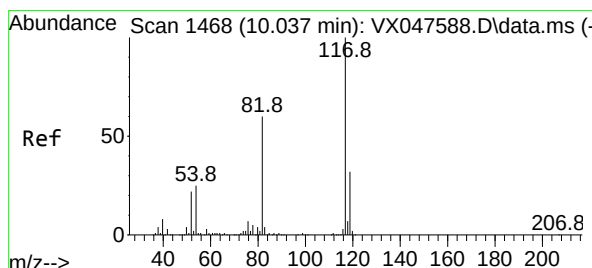
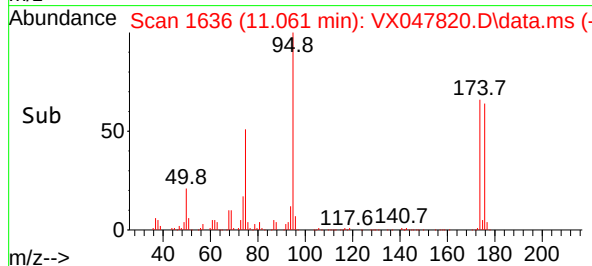
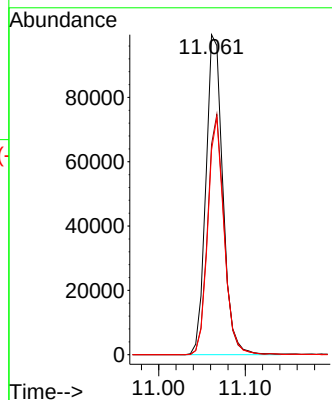
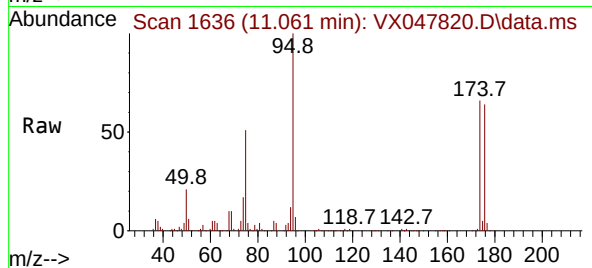
Tgt Ion: 95 Resp: 135335

Ion Ratio Lower Upper

95 100

174 72.9 0.0 141.6

176 71.0 0.0 138.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX047820.D

Acq: 25 Sep 2025 18:06

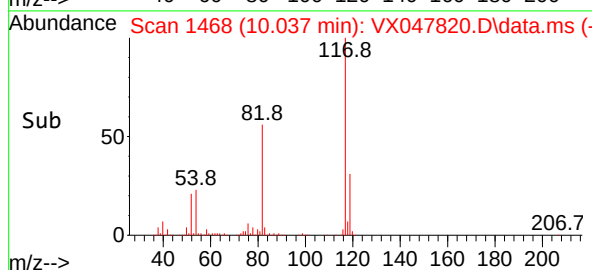
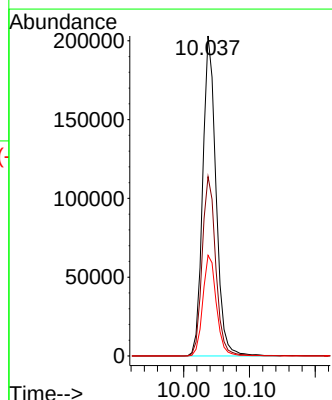
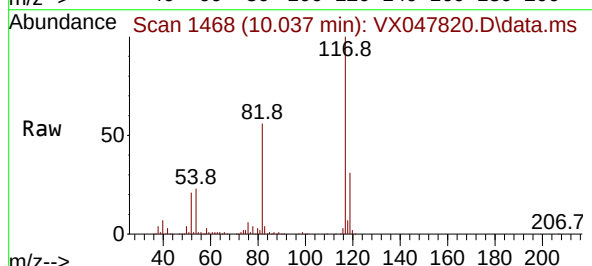
Tgt Ion: 117 Resp: 285610

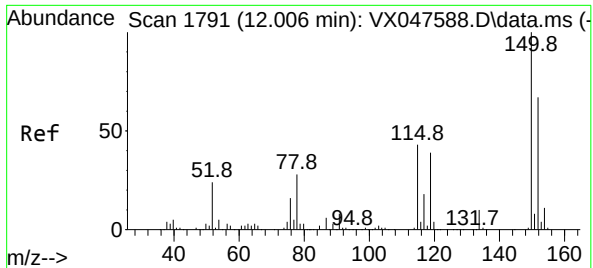
Ion Ratio Lower Upper

117 100

82 56.1 47.8 71.6

119 31.5 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047820.D

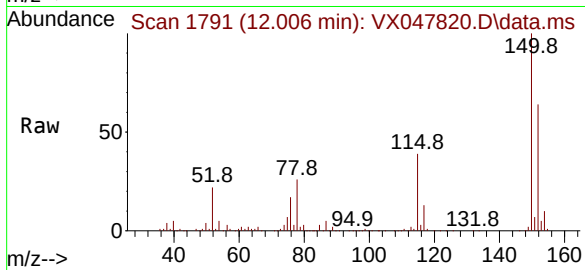
Acq: 25 Sep 2025 18:06

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322



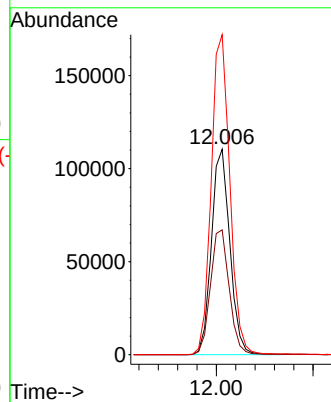
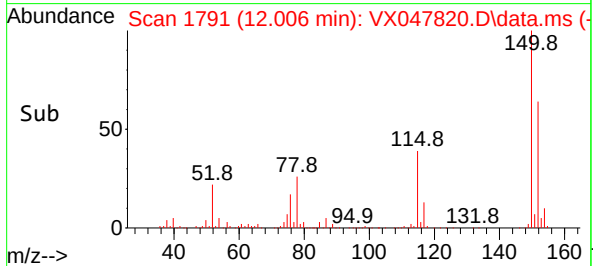
Tgt Ion:152 Resp: 145772

Ion Ratio Lower Upper

152 100

115 61.9 44.9 134.5

150 157.7 0.0 352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047820.D
Acq On : 25 Sep 2025 18:06
Operator : JC/MD
Sample : Q3165-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322

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\82X091625W.M

Title : SW846 8260

Signal : TIC: VX047820.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.154	8	11	20	rVB2	5806	10445	1.15%	0.208%
2	1.459	57	61	66	rBV	10824	12870	1.41%	0.256%
3	2.380	205	212	222	rBV2	5562	11368	1.25%	0.226%
4	5.373	692	703	721	rBV2	92641	303604	33.38%	6.044%
5	5.538	721	730	756	rVB	129646	405880	44.62%	8.080%
6	5.946	786	797	824	rBV	102570	309790	34.06%	6.167%
7	6.745	918	928	955	rBV	251344	661491	72.72%	13.169%
8	8.635	1231	1238	1254	rBV	513589	858798	94.41%	17.097%
9	10.037	1462	1468	1482	rBV	625914	891460	98.00%	17.747%
10	11.067	1631	1637	1650	rBV	466471	647678	71.20%	12.894%
11	12.006	1785	1791	1803	rBV	666927	909666	100.00%	18.110%

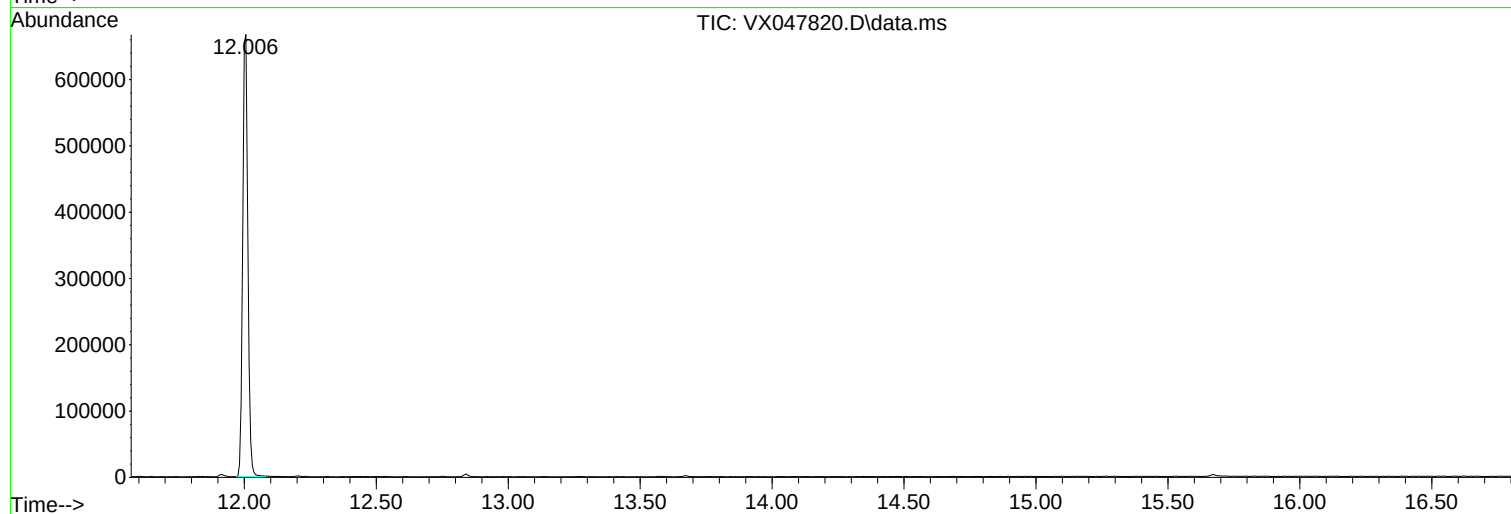
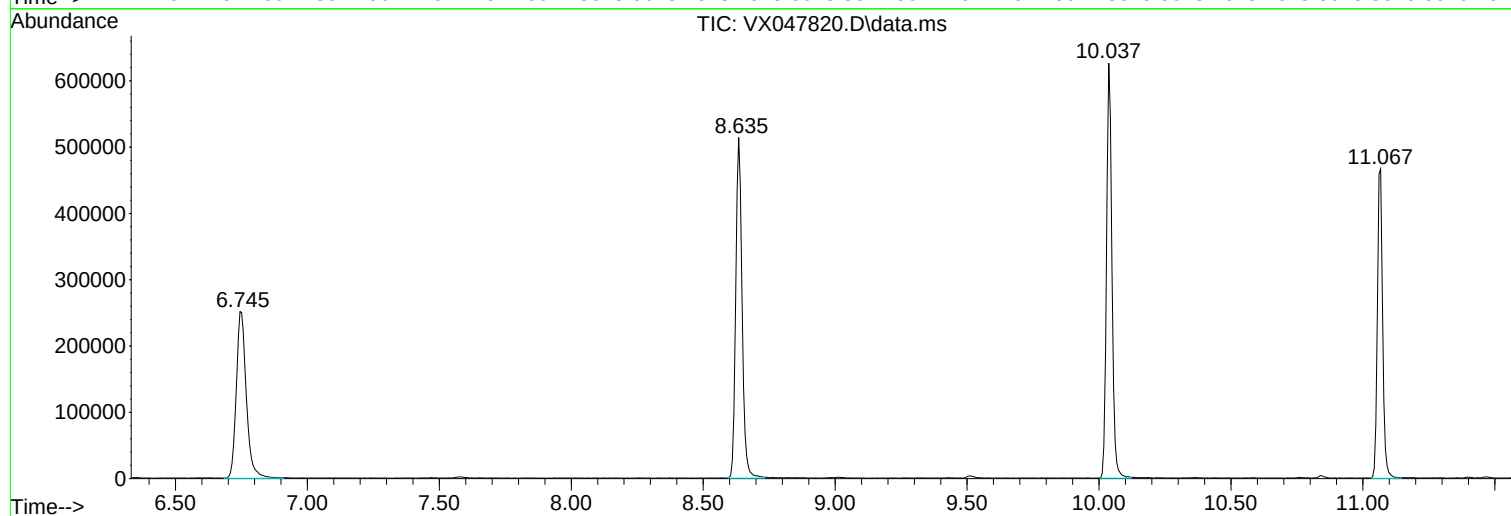
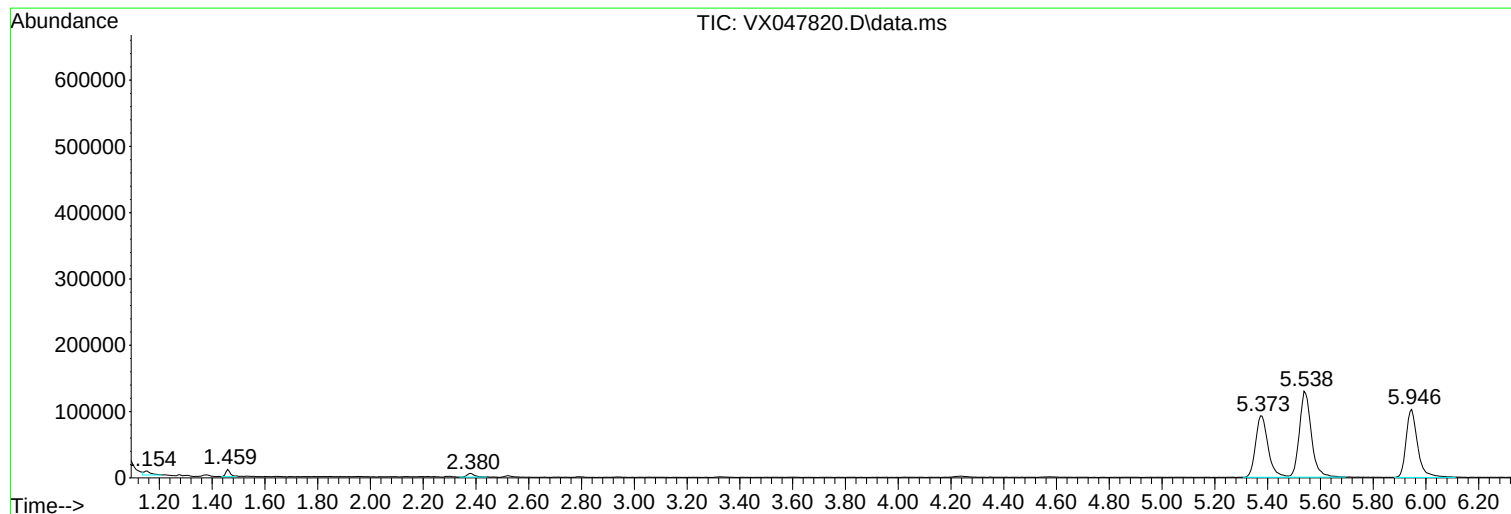
Sum of corrected areas: 5023050

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047820.D
Acq On : 25 Sep 2025 18:06
Operator : JC/MD
Sample : Q3165-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047820.D
Acq On : 25 Sep 2025 18:06
Operator : JC/MD
Sample : Q3165-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX092525\
Data File : VX047820.D
Acq On : 25 Sep 2025 18:06
Operator : JC/MD
Sample : Q3165-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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

1
2
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17



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: TETR06
 Lab Code: ACE SDG No.: Q3165
 Instrument ID: MSVOA_X Calibration Date(s): 09/16/2025 09/16/2025
 Heated Purge: (Y/N) N Calibration Time(s): 09:23 12:01
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX047585.D	RRF005 = VX047586.D	RRF020 = VX047587.D	RRF050 = VX047588.D	RRF100 = VX047589.D	RRF150 = VX047590.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.447	0.575	0.582	0.501	0.510	0.492	0.518	10
Chloromethane	0.610	0.749	0.739	0.661	0.677	0.647	0.680	7.9
Vinyl Chloride	0.572	0.713	0.716	0.661	0.677	0.658	0.666	7.9
Bromomethane		0.493	0.451	0.424	0.423	0.321	0.422	15
Chloroethane	0.433	0.450	0.469	0.443	0.450	0.426	0.445	3.4
Trichlorofluoromethane	0.865	1.033	1.038	0.995	1.018	0.986	0.989	6.5
1,1,2-Trichlorotrifluoroethane	0.519	0.591	0.603	0.583	0.590	0.583	0.578	5.2
1,1-Dichloroethene	0.526	0.612	0.618	0.604	0.609	0.596	0.594	5.7
Acetone	0.343	0.416	0.400	0.317	0.302	0.299	0.346	14.7
Carbon Disulfide	1.555	1.735	1.758	1.566	1.589	1.555	1.626	5.8
Methyl tert-butyl Ether	1.884	2.238	2.221	2.247	2.212	2.209	2.169	6.5
Methyl Acetate	0.612	0.673	0.714	0.876	0.865	0.881	0.770	15.4
Methylene Chloride	0.718	0.772	0.754	0.730	0.716	0.705	0.732	3.5
trans-1,2-Dichloroethene	0.543	0.703	0.665	0.649	0.643	0.635	0.640	8.3
1,1-Dichloroethane	1.090	1.325	1.299	1.297	1.287	1.278	1.263	6.8
Cyclohexane		1.161	1.092	1.030	0.984	0.993	1.052	7.1
2-Butanone	0.370	0.470	0.473	0.439	0.414	0.424	0.432	9
Carbon Tetrachloride	0.482	0.574	0.555	0.539	0.526	0.518	0.532	6
cis-1,2-Dichloroethene	0.698	0.806	0.803	0.808	0.787	0.797	0.783	5.4
Bromochloromethane	0.457	0.607	0.450	0.577	0.587	0.630	0.551	14.2
Chloroform	1.034	1.364	1.366	1.323	1.282	1.288	1.276	9.7
1,1,1-Trichloroethane	0.901	1.123	1.141	1.127	1.100	1.103	1.082	8.3
Methylcyclohexane	0.490	0.589	0.591	0.565	0.548	0.554	0.556	6.6
Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.1
1,2-Dichloroethane	0.513	0.595	0.600	0.582	0.554	0.553	0.566	5.8
Trichloroethene	0.296	0.382	0.382	0.370	0.364	0.363	0.360	8.9
1,2-Dichloropropane	0.326	0.403	0.394	0.397	0.382	0.384	0.381	7.4
Bromodichloromethane	0.461	0.599	0.601	0.607	0.579	0.586	0.572	9.7
4-Methyl-2-Pentanone	0.390	0.493	0.503	0.511	0.479	0.487	0.477	9.3
Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.2

* 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: Alliance Contract: TETR06
 Lab Code: ACE SDG No.: Q3165
 Instrument ID: MSVOA_X Calibration Date(s): 09/16/2025 09/16/2025
 Heated Purge: (Y/N) N Calibration Time(s): 09:23 12:01
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX047585.D		RRF005 = VX047586.D		RRF020 = VX047587.D			
		RRF050 = VX047588.D		RRF100 = VX047589.D		RRF150 = VX047590.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.487	0.588	0.602	0.619	0.595	0.611	0.584	8.3	
cis-1,3-Dichloropropene	0.513	0.652	0.644	0.653	0.637	0.644	0.624	8.7	
1,1,2-Trichloroethane	0.323	0.365	0.371	0.367	0.344	0.351	0.354	5.1	
2-Hexanone	0.274	0.374	0.372	0.360	0.333	0.343	0.343	10.8	
Dibromochloromethane	0.321	0.414	0.431	0.435	0.421	0.422	0.407	10.5	
1,2-Dibromoethane	0.287	0.379	0.384	0.379	0.364	0.367	0.360	10.1	
Tetrachloroethene	0.299	0.354	0.342	0.326	0.320	0.314	0.326	6	
Chlorobenzene	0.998	1.182	1.177	1.178	1.139	1.142	1.136	6.2	
Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.6	
m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.8	
o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.1	
Styrene	1.019	1.288	1.290	1.299	1.257	1.265	1.236	8.7	
Bromoform	0.221	0.293	0.301	0.313	0.312	0.317	0.293	12.4	
Isopropylbenzene	3.124	3.907	3.986	4.047	3.907	3.839	3.801	8.9	
1,1,2,2-Tetrachloroethane	0.965	1.182	1.203	1.225	1.152	1.173	1.150	8.2	
1,3-Dichlorobenzene	1.462	1.800	1.829	1.817	1.768	1.758	1.739	8	
1,4-Dichlorobenzene	1.570	1.890	1.868	1.832	1.767	1.783	1.785	6.5	
1,2-Dichlorobenzene	1.359	1.691	1.757	1.746	1.696	1.692	1.657	9	
1,2-Dibromo-3-Chloropropane	0.173	0.218	0.242	0.254	0.250	0.260	0.233	14.1	
1,2,4-Trichlorobenzene	0.831	1.099	1.107	1.156	1.140	1.126	1.077	11.3	
1,2,3-Trichlorobenzene	0.753	0.986	1.031	1.088	1.078	1.073	1.002	12.7	
1,2-Dichloroethane-d4		0.884	0.647	0.770	0.815	0.863	0.796	11.8	
Dibromofluoromethane		0.356	0.266	0.331	0.355	0.368	0.335	12.3	
Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.1	
4-Bromofluorobenzene		0.478	0.360	0.427	0.452	0.484	0.440	11.4	

* 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 : 82X091625W.M
 Title : SW846 8260
 Last Update : Wed Sep 17 06:39:58 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX047585.D 5 =VX047586.D 20 =VX047587.D 50 =VX047588.D 100 =VX047589.D 150 =VX047590.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.447	0.575	0.582	0.501	0.510	0.492	0.518	10.01
3) P	Chloromethane	0.610	0.749	0.739	0.661	0.677	0.647	0.680	7.92
4) C	Vinyl Chloride	0.572	0.713	0.716	0.661	0.677	0.658	0.666	7.87#
5) T	Bromomethane		0.493	0.451	0.424	0.423	0.321	0.422	15.01
6) T	Chloroethane	0.433	0.450	0.469	0.443	0.450	0.426	0.445	3.36
7) T	Trichlorofluor...	0.865	1.033	1.038	0.995	1.018	0.986	0.989	6.49
8) T	Diethyl Ether	0.372	0.405	0.413	0.409	0.420	0.409	0.405	4.17
9) T	1,1,2-Trichlor...	0.519	0.591	0.603	0.583	0.590	0.583	0.578	5.21
10) T	Methyl Iodide		0.865	0.922	0.911	0.925	0.886	0.902	2.85
11) T	Tert butyl alc...		0.085	0.086	0.089	0.090	0.094	0.089	4.18
12) CM	1,1-Dichloroet...	0.526	0.612	0.618	0.604	0.609	0.596	0.594	5.71#
13) T	Acrolein		0.071	0.069	0.082	0.089	0.097	0.082	14.59
14) T	Allyl chloride	1.194	1.267	1.249	1.211	1.226	1.207	1.226	2.25
15) T	Acrylonitrile	0.264	0.329	0.343	0.347	0.343	0.344	0.328	9.82
16) T	Acetone	0.343	0.416	0.400	0.317	0.302	0.299	0.346	14.67
17) T	Carbon Disulfide	1.555	1.735	1.758	1.566	1.589	1.555	1.626	5.80
18) T	Methyl Acetate	0.612	0.673	0.714	0.876	0.865	0.881	0.770	15.39
19) T	Methyl tert-bu...	1.884	2.238	2.221	2.247	2.212	2.209	2.169	6.47
20) T	Methylene Chlo...	0.718	0.772	0.754	0.730	0.716	0.705	0.732	3.45
21) T	trans-1,2-Dich...	0.543	0.703	0.665	0.649	0.643	0.635	0.640	8.28
22) T	Diisopropyl ether	1.976	2.531	2.487	2.477	2.398	2.384	2.376	8.56
23) T	Vinyl Acetate	1.541	1.937	2.020	1.992	1.958	1.961	1.901	9.41
24) P	1,1-Dichloroet...	1.090	1.325	1.299	1.297	1.287	1.278	1.263	6.81
25) T	2-Butanone	0.370	0.470	0.473	0.439	0.414	0.424	0.432	8.98
26) T	2,2-Dichloropr...	0.945	1.096	1.074	1.068	1.055	1.060	1.050	5.06
27) T	cis-1,2-Dichlo...	0.698	0.806	0.803	0.808	0.787	0.797	0.783	5.41
28) T	Bromochloromet...	0.457	0.607	0.450	0.577	0.587	0.630	0.551	14.18
29) T	Tetrahydrofuran	0.211	0.269	0.272	0.275	0.262	0.268	0.260	9.24
30) C	Chloroform	1.034	1.364	1.366	1.323	1.282	1.288	1.276	9.72#
31) T	Cyclohexane		1.161	1.092	1.030	0.984	0.993	1.052	7.08
32) T	1,1,1-Trichlor...	0.901	1.123	1.141	1.127	1.100	1.103	1.082	8.33
33) S	1,2-Dichloroet...		0.884	0.647	0.770	0.815	0.863	0.796	11.82
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.356	0.266	0.331	0.355	0.368	0.335	12.25
36) T	1,1-Dichloropr...	0.484	0.520	0.508	0.487	0.471	0.469	0.490	4.15
37) T	Ethyl Acetate	0.429	0.561	0.554	0.532	0.533	0.539	0.525	9.21
38) T	Carbon Tetrach...	0.482	0.574	0.555	0.539	0.526	0.518	0.532	5.99
39) T	Methylcyclohexane	0.490	0.589	0.591	0.565	0.548	0.554	0.556	6.60
40) TM	Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.11
41) T	Methacrylonitrile	0.236	0.264	0.286	0.286	0.282	0.271	0.271	7.13
42) TM	1,2-Dichloroet...	0.513	0.595	0.600	0.582	0.554	0.553	0.566	5.76
43) T	Isopropyl Acetate	0.751	0.882	0.889	0.897	0.865	0.879	0.860	6.34
44) TM	Trichloroethene	0.296	0.382	0.382	0.370	0.364	0.363	0.360	8.92
45) C	1,2-Dichloropr...	0.326	0.403	0.394	0.397	0.382	0.384	0.381	7.37#
46) T	Dibromomethane	0.248	0.285	0.289	0.288	0.276	0.277	0.277	5.54
47) T	Bromodichlorom...	0.461	0.599	0.601	0.607	0.579	0.586	0.572	9.65
48) T	Methyl methacr...	0.372	0.421	0.447	0.449	0.436	0.446	0.429	6.97
49) T	1,4-Dioxane	0.003	0.004	0.004	0.005	0.005	0.005	0.004	19.43
50) S	Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.10
51) T	4-Methyl-2-Pen...	0.390	0.493	0.503	0.511	0.479	0.487	0.477	9.28
52) CM	Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.22#
53) T	t-1,3-Dichloro...	0.487	0.588	0.602	0.619	0.595	0.611	0.584	8.33
54) T	cis-1,3-Dichlo...	0.513	0.652	0.644	0.653	0.637	0.644	0.624	8.74
55) T	1,1,2-Trichlor...	0.323	0.365	0.371	0.367	0.344	0.351	0.354	5.10
56) T	Ethyl methacry...	0.407	0.563	0.587	0.599	0.580	0.595	0.555	13.25

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X091625W.M

57)	T	1,3-Dichloropr...	0.507	0.648	0.636	0.638	0.607	0.609	0.607	8.51
58)	T	2-Chloroethyl ...	0.094	0.212	0.210	0.272	0.280	0.292	0.227	32.65
59)	T	2-Hexanone	0.274	0.374	0.372	0.360	0.333	0.343	0.343	10.82
60)	T	Dibromochlorom...	0.321	0.414	0.431	0.435	0.421	0.422	0.407	10.49
61)	T	1,2-Dibromoethane	0.287	0.379	0.384	0.379	0.364	0.367	0.360	10.10
62)	S	4-Bromofluorob...		0.478	0.360	0.427	0.452	0.484	0.440	11.42
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.299	0.354	0.342	0.326	0.320	0.314	0.326	6.03
65)	PM	Chlorobenzene	0.998	1.182	1.177	1.178	1.139	1.142	1.136	6.18
66)	T	1,1,1,2-Tetrac...	0.327	0.404	0.402	0.414	0.404	0.402	0.392	8.26
67)	C	Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.57#
68)	T	m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.77
69)	T	o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.13
70)	T	Styrene	1.019	1.288	1.290	1.299	1.257	1.265	1.236	8.70
71)	P	Bromoform	0.221	0.293	0.301	0.313	0.312	0.317	0.293	12.37
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.124	3.907	3.986	4.047	3.907	3.839	3.801	8.94
74)	T	N-amyl acetate	1.277	1.726	1.851	1.862	1.834	1.850	1.733	13.21
75)	P	1,1,2,2-Tetrac...	0.965	1.182	1.203	1.225	1.152	1.173	1.150	8.16
76)	T	1,2,3-Trichlor...	0.847	1.023	1.073	1.128	0.939	1.064	1.012	10.13
77)	T	Bromobenzene	0.760	0.964	0.992	0.988	0.960	0.954	0.936	9.38
78)	T	n-propylbenzene	3.680	4.667	4.739	4.792	4.581	4.504	4.494	9.17
79)	T	2-Chlorotoluene	2.276	2.859	2.935	2.915	2.798	2.730	2.752	8.91
80)	T	1,3,5-Trimethy...	2.458	3.235	3.311	3.343	3.221	3.171	3.123	10.62
81)	T	trans-1,4-Dich...		0.347	0.381	0.414	0.420	0.424	0.397	8.31
82)	T	4-Chlorotoluene	2.754	3.347	3.410	3.433	3.285	3.275	3.251	7.74
83)	T	tert-Butylbenzene	2.800	3.223	3.346	3.359	3.240	3.215	3.197	6.39
84)	T	1,2,4-Trimethy...	2.522	3.302	3.381	3.344	3.234	3.216	3.166	10.17
85)	T	sec-Butylbenzene	3.110	4.001	3.945	4.028	3.867	3.834	3.797	9.09
86)	T	p-Isopropyltol...	2.660	3.372	3.371	3.419	3.263	3.205	3.215	8.81
87)	T	1,3-Dichlorobe...	1.462	1.800	1.829	1.817	1.768	1.758	1.739	7.95
88)	T	1,4-Dichlorobe...	1.570	1.890	1.868	1.832	1.767	1.783	1.785	6.47
89)	T	n-Butylbenzene	2.429	3.070	3.114	3.139	3.098	2.999	2.975	9.14
90)	T	Hexachloroethane	0.434	0.565	0.574	0.593	0.606	0.614	0.564	11.81
91)	T	1,2-Dichlorobe...	1.359	1.691	1.757	1.746	1.696	1.692	1.657	8.97
92)	T	1,2-Dibromo-3-...	0.173	0.218	0.242	0.254	0.250	0.260	0.233	14.07
93)	T	1,2,4-Trichlor...	0.831	1.099	1.107	1.156	1.140	1.126	1.077	11.34
94)	T	Hexachlorobuta...	0.341	0.377	0.361	0.384	0.377	0.354	0.366	4.51
95)	T	Naphthalene	2.503	3.153	3.410	3.539	3.496	3.571	3.279	12.46
96)	T	1,2,3-Trichlor...	0.753	0.986	1.031	1.088	1.078	1.073	1.002	12.72

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047585.D
 Acq On : 16 Sep 2025 09:23
 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 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:09:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	246348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	451502	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	410953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	201976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	78 - 117	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	92 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	2201	0.863	ug/l	96
3) Chloromethane	1.300	50	3006	0.897	ug/l #	82
4) Vinyl Chloride	1.386	62	2818	0.859	ug/l	95
6) Chloroethane	1.697	64	2134	0.973	ug/l	95
7) Trichlorofluoromethane	1.898	101	4261	0.874	ug/l	88
8) Diethyl Ether	2.130	74	1831	0.919	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	2555	0.897	ug/l	93
12) 1,1-Dichloroethene	2.325	96	2594	0.886	ug/l #	80
14) Allyl chloride	2.666	41	5885	0.974	ug/l	94
15) Acrylonitrile	3.062	53	6500	4.018	ug/l	97
16) Acetone	2.380	43	8444	4.953	ug/l	99
17) Carbon Disulfide	2.520	76	7662	0.956	ug/l #	91
18) Methyl Acetate	2.703	43	3013	0.794	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	9281	0.869	ug/l #	89
20) Methylene Chloride	2.788	84	3540	0.981	ug/l	93
21) trans-1,2-Dichloroethene	3.099	96	2676	0.849	ug/l	95
22) Diisopropyl ether	3.751	45	9738	0.832	ug/l #	87
23) Vinyl Acetate	3.715	43	37962	4.052	ug/l	97
24) 1,1-Dichloroethane	3.611	63	5372	0.863	ug/l	95
25) 2-Butanone	4.550	43	9105	4.281	ug/l #	83
26) 2,2-Dichloropropane	4.477	77	4657	0.901	ug/l	77
27) cis-1,2-Dichloroethene	4.477	96	3440	0.891	ug/l	96
28) Bromochloromethane	4.879	49	2251	0.829	ug/l #	93
29) Tetrahydrofuran	4.995	42	5210	4.072	ug/l	98
30) Chloroform	5.074	83	5093	0.810	ug/l	86
32) 1,1,1-Trichloroethane	5.373	97	4439	0.832	ug/l #	47
36) 1,1-Dichloropropene	5.672	75	4373	0.988	ug/l #	69
37) Ethyl Acetate	4.702	43	3873	0.818	ug/l #	91
38) Carbon Tetrachloride	5.659	117	4349	0.905	ug/l	95
39) Methylcyclohexane	7.360	83	4428	0.882	ug/l	94
40) Benzene	6.025	78	12012	0.894	ug/l	98
41) Methacrylonitrile	4.903	41	2128	0.870	ug/l #	63
42) 1,2-Dichloroethane	6.062	62	4634	0.906	ug/l	80
43) Isopropyl Acetate	6.318	43	6784	0.873	ug/l	94
44) Trichloroethene	7.110	130	2677	0.824	ug/l	78
45) 1,2-Dichloropropane	7.415	63	2945	0.856	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047585.D
 Acq On : 16 Sep 2025 09:23
 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 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:09:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M

Quant Title : SW846 8260

QLast Update : Wed Sep 17 06:04:35 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.574	93	2240	0.895	ug/l	94
47) Bromodichloromethane	7.805	83	4167	0.806	ug/l #	92
48) Methyl methacrylate	7.683	41	3355	0.867	ug/l #	87
49) 1,4-Dioxane	7.653	88	488m	12.477	ug/l	
51) 4-Methyl-2-Pentanone	8.555	43	17596	4.085	ug/l	95
52) Toluene	8.708	92	7595	0.917	ug/l	92
53) t-1,3-Dichloropropene	8.964	75	4398	0.834	ug/l #	82
54) cis-1,3-Dichloropropene	8.354	75	4635	0.823	ug/l #	76
55) 1,1,2-Trichloroethane	9.134	97	2918	0.914	ug/l	95
56) Ethyl methacrylate	9.104	69	3679	0.734	ug/l #	84
57) 1,3-Dichloropropane	9.293	76	4580	0.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	4222	9.665	ug/l	99
59) 2-Hexanone	9.415	43	12385	4.003	ug/l	98
60) Dibromochloromethane	9.506	129	2903	0.789	ug/l	87
61) 1,2-Dibromoethane	9.592	107	2596	0.798	ug/l	96
64) Tetrachloroethene	9.256	164	2457	0.917	ug/l	83
65) Chlorobenzene	10.061	112	8202	0.879	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.140	131	2684	0.833	ug/l #	66
67) Ethyl Benzene	10.177	91	13360	0.829	ug/l	98
68) m/p-Xylenes	10.287	106	9922	1.655	ug/l	99
69) o-Xylene	10.622	106	4734	0.816	ug/l	94
70) Styrene	10.640	104	8377	0.824	ug/l	96
71) Bromoform	10.787	173	1816	0.755	ug/l #	94
73) Isopropylbenzene	10.945	105	12618	0.822	ug/l	96
74) N-amyl acetate	10.829	43	5159	0.737	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	3900	0.839	ug/l	96
76) 1,2,3-Trichloropropane	11.225	75	3421m	0.816	ug/l	
77) Bromobenzene	11.183	156	3069	0.811	ug/l	98
78) n-propylbenzene	11.286	91	14866	0.819	ug/l	99
79) 2-Chlorotoluene	11.347	91	9195	0.827	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	9929	0.787	ug/l	99
82) 4-Chlorotoluene	11.439	91	11123	0.847	ug/l	95
83) tert-Butylbenzene	11.695	119	11311	0.876	ug/l	97
84) 1,2,4-Trimethylbenzene	11.731	105	10187	0.796	ug/l	100
85) sec-Butylbenzene	11.872	105	12561	0.819	ug/l	99
86) p-Isopropyltoluene	11.994	119	10744	0.827	ug/l	92
87) 1,3-Dichlorobenzene	11.951	146	5907	0.841	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	6341m	0.880	ug/l	
89) n-Butylbenzene	12.317	91	9811	0.816	ug/l	97
90) Hexachloroethane	12.524	117	1752	0.768	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	5491	0.820	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.926	75	698	0.742	ug/l	93
93) 1,2,4-Trichlorobenzene	13.567	180	3358	0.772	ug/l	95
94) Hexachlorobutadiene	13.707	225	1378	0.933	ug/l	93
95) Naphthalene	13.756	128	10112	0.763	ug/l	98
96) 1,2,3-Trichlorobenzene	13.944	180	3043	0.752	ug/l	98

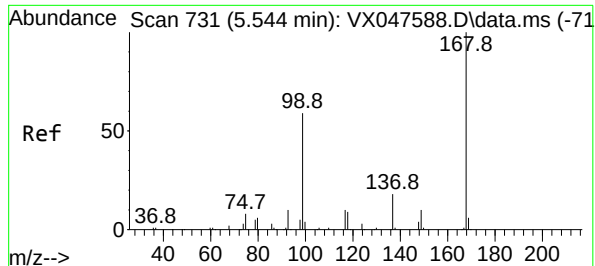
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025





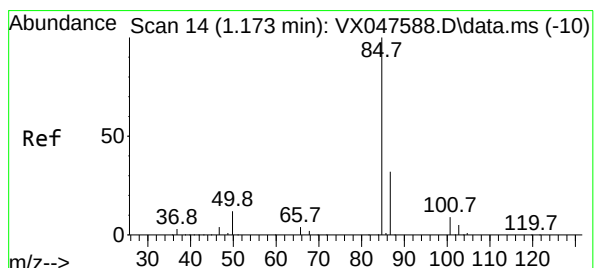
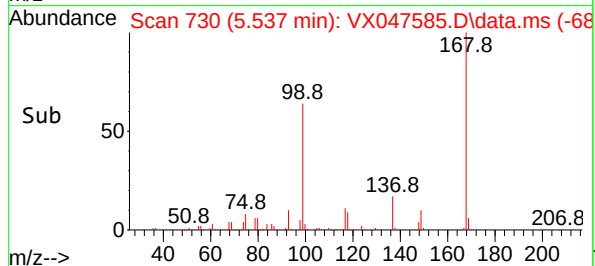
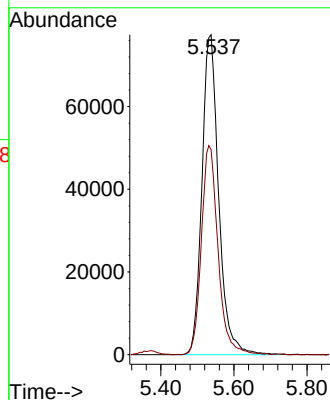
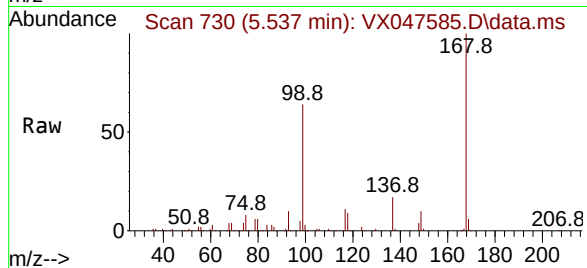
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 24634
Ion Ratio Lower Upper
168 100
99 64.0 48.8 73.2

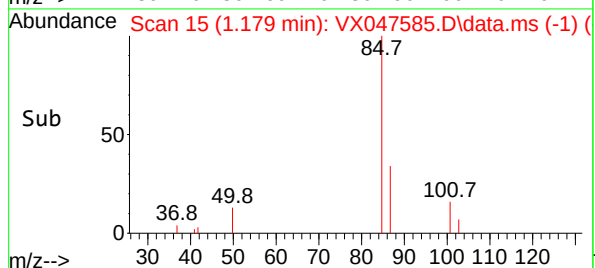
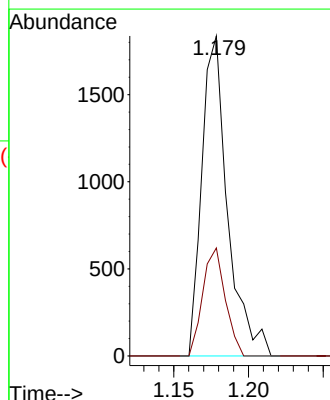
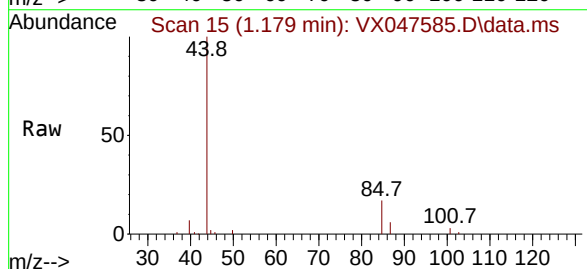
Manual Integrations
APPROVED

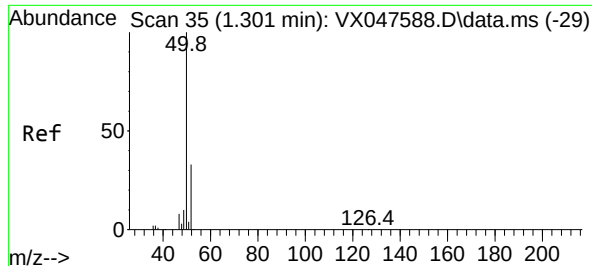
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#2
Dichlorodifluoromethane
Concen: 0.863 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 85 Resp: 2201
Ion Ratio Lower Upper
85 100
87 33.8 15.8 47.3





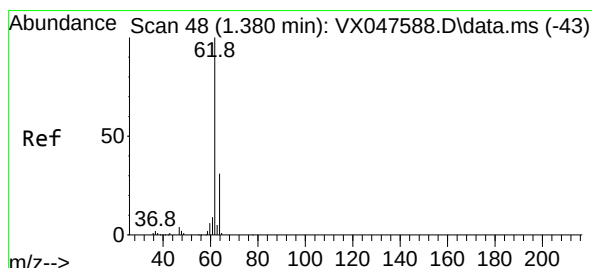
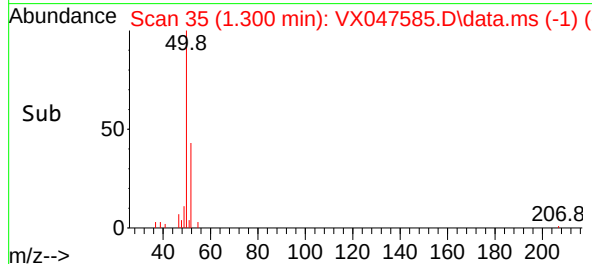
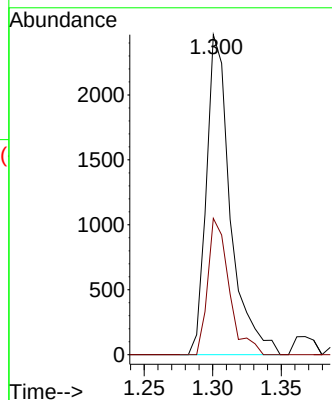
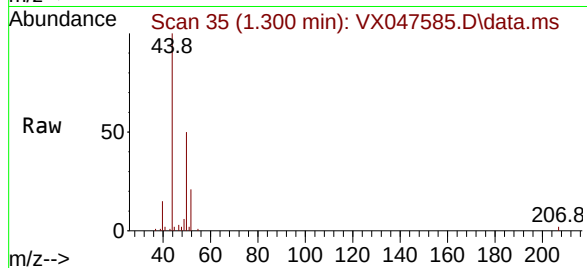
#3
Chloromethane
Concen: 0.897 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 3000
Ion Ratio Lower Upper
50 100
52 42.6 26.1 39.1

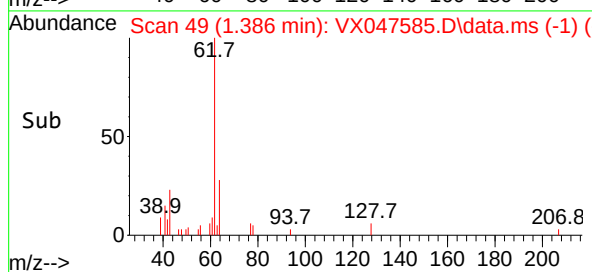
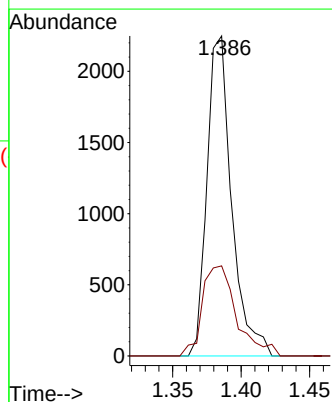
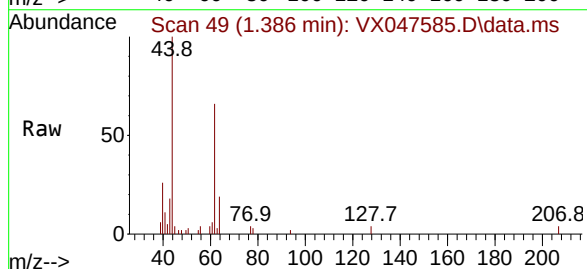
Manual Integrations
APPROVED

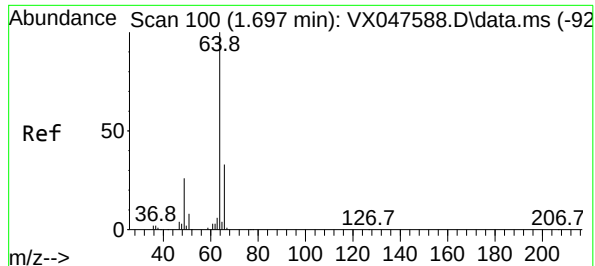
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#4
Vinyl Chloride
Concen: 0.859 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

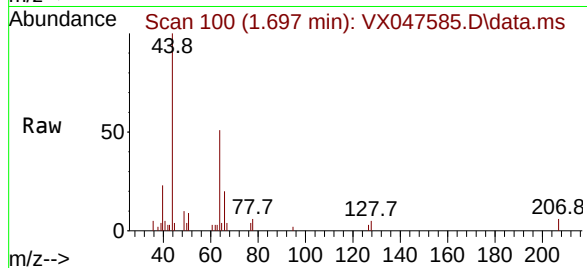
Tgt Ion: 62 Resp: 2818
Ion Ratio Lower Upper
62 100
64 28.2 24.9 37.3





#6
Chloroethane
Concen: 0.973 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

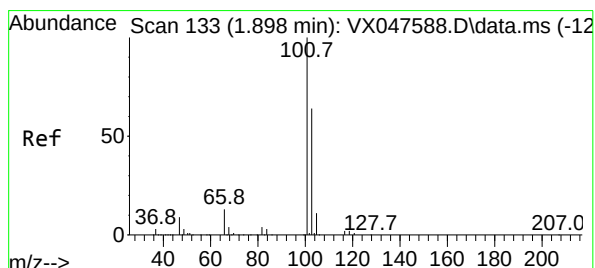
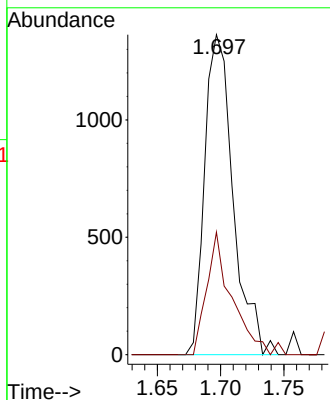
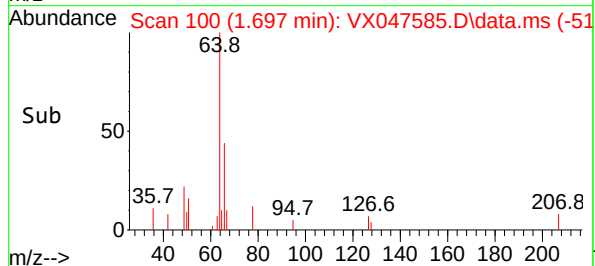
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion: 64 Resp: 2134
Ion Ratio Lower Upper
64 100
66 35.4 26.1 39.1

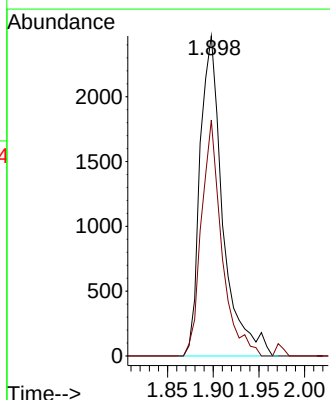
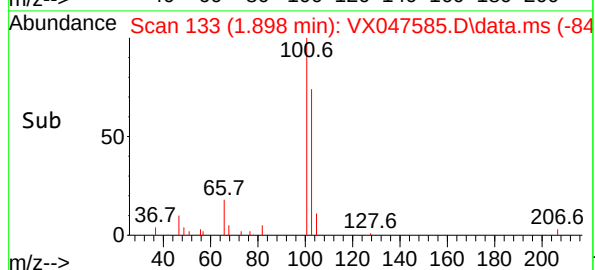
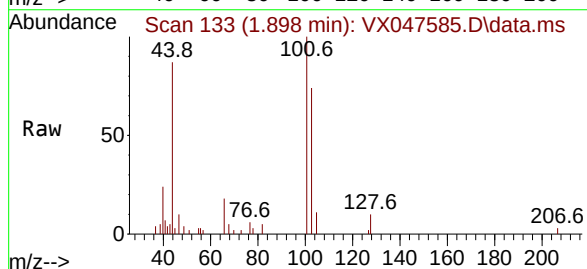
Manual Integrations
APPROVED

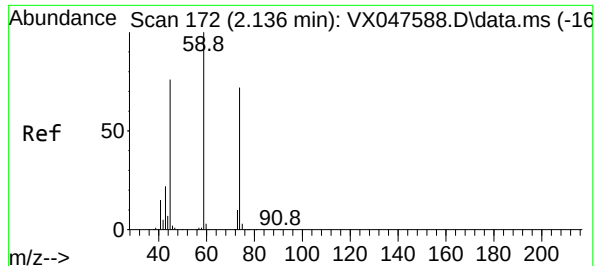
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#7
Trichlorofluoromethane
Concen: 0.874 ug/l
RT: 1.898 min Scan# 133
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

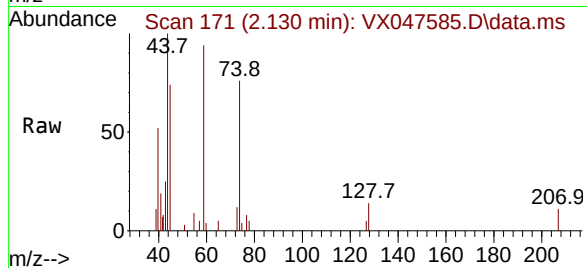
Tgt Ion:101 Resp: 4261
Ion Ratio Lower Upper
101 100
103 73.7 51.4 77.2





#8
Diethyl Ether
Concen: 0.919 ug/l
RT: 2.130 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

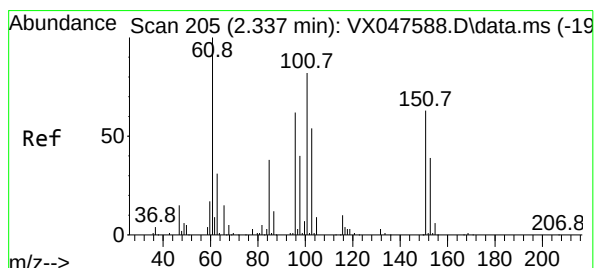
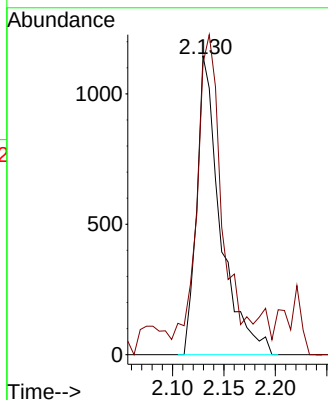
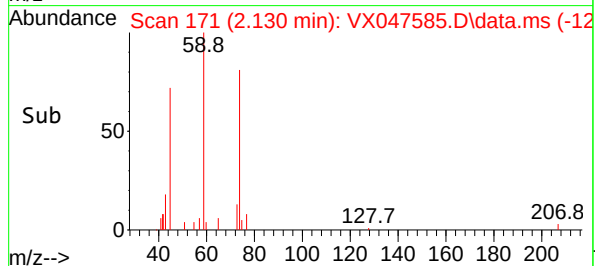
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



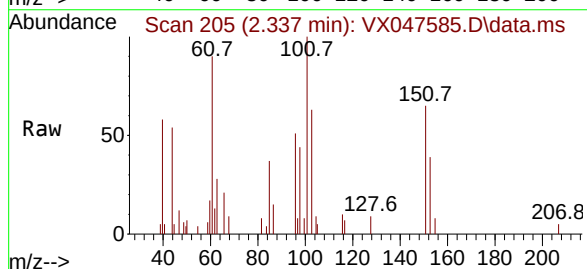
Tgt Ion: 74 Resp: 183
Ion Ratio Lower Upper
74 100
45 102.2 52.3 156.8

Manual Integrations
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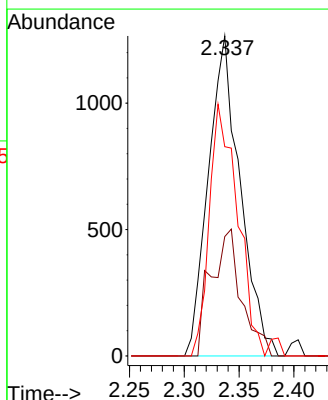
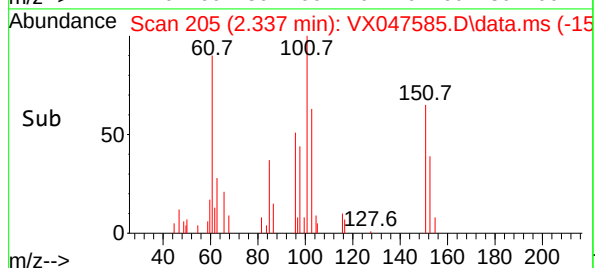
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

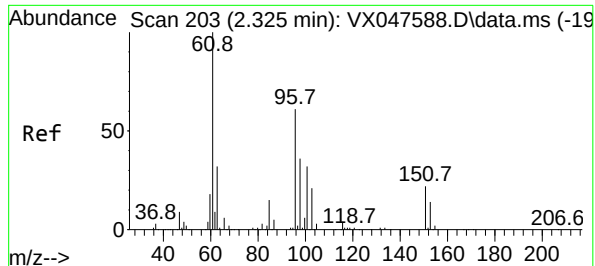


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.897 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23



Tgt Ion:101 Resp: 2555
Ion Ratio Lower Upper
101 100
85 37.8 35.5 53.3
151 69.9 59.4 89.0





#12

1,1-Dichloroethene

Concen: 0.886 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

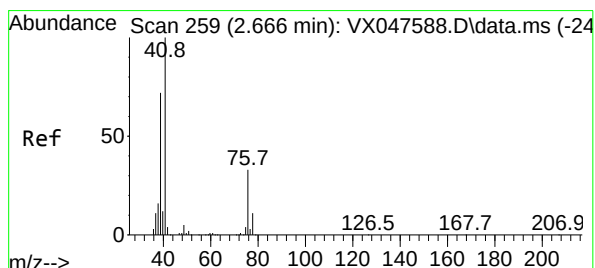
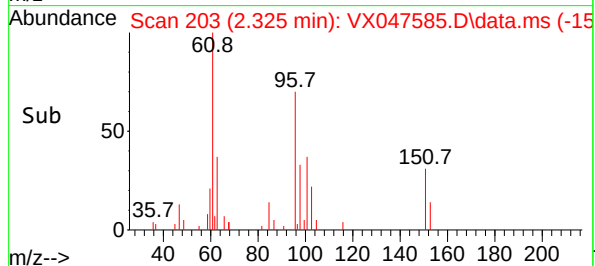
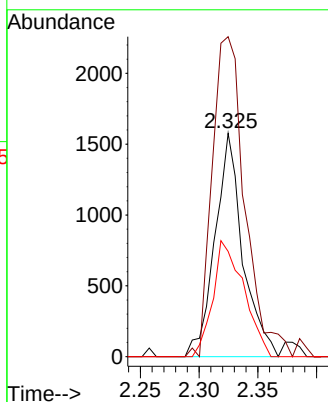
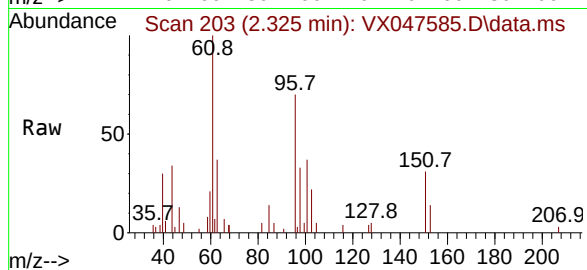
Tgt Ion:	96	Resp:	2594
Ion	Ratio	Lower	Upper
96	100		
61	137.3	131.0	196.6
98	45.2	47.7	71.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#14

Allyl chloride

Concen: 0.974 ug/l

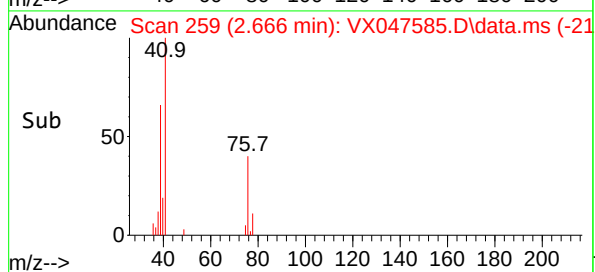
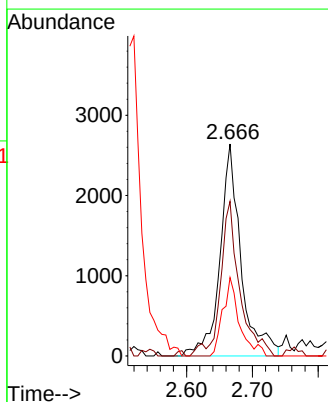
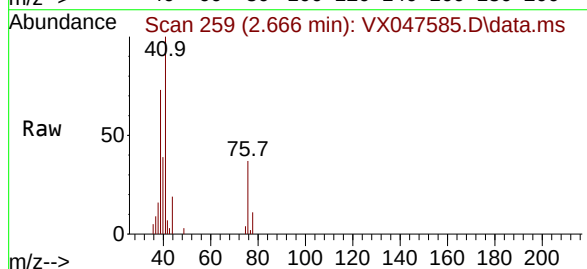
RT: 2.666 min Scan# 259

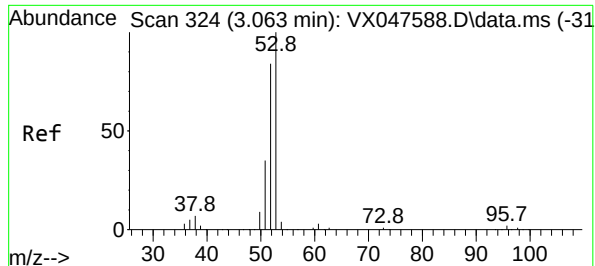
Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion:	41	Resp:	5885
Ion	Ratio	Lower	Upper
41	100		
39	63.3	54.7	82.1
76	29.3	25.7	38.5





#15

Acrylonitrile

Concen: 4.018 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

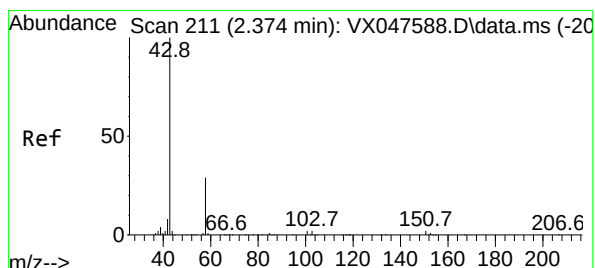
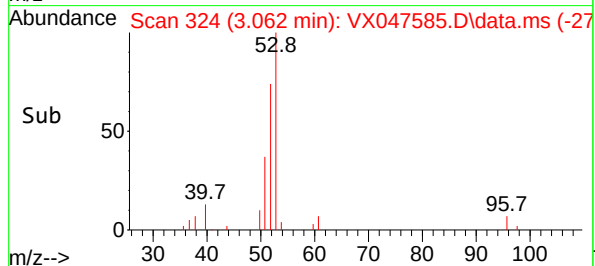
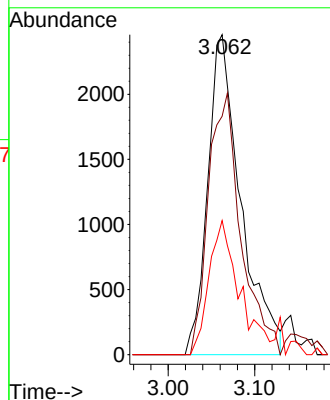
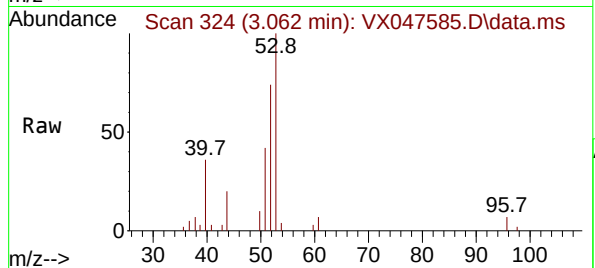
VSTDICC001

Tgt Ion:	53	Resp:	6500
Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.4	99.6
51	38.7	29.5	44.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#16

Acetone

Concen: 4.953 ug/l

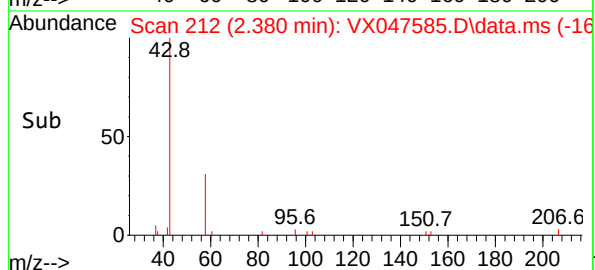
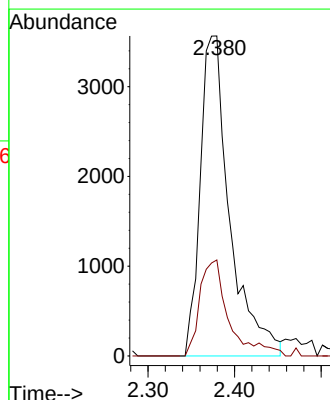
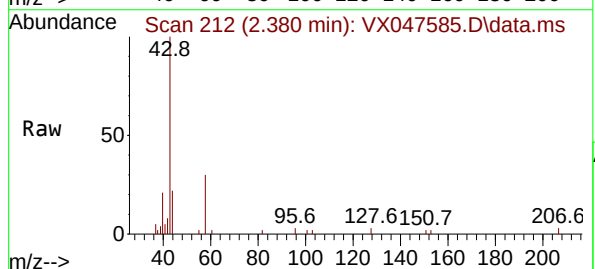
RT: 2.380 min Scan# 212

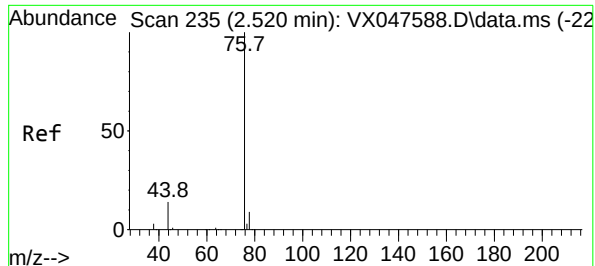
Delta R.T. 0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion:	43	Resp:	8444
Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0





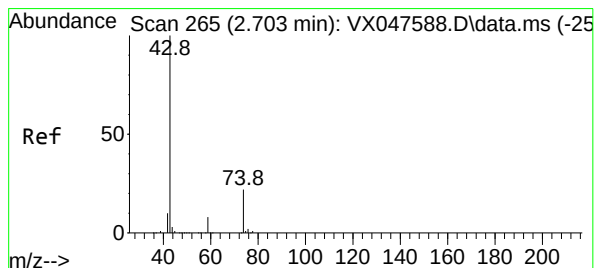
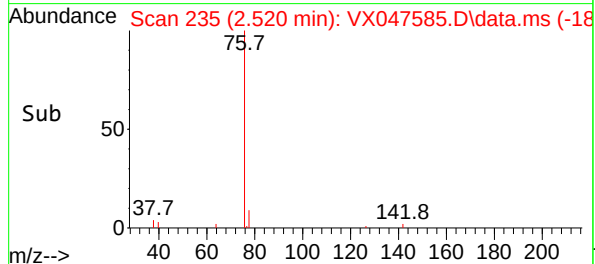
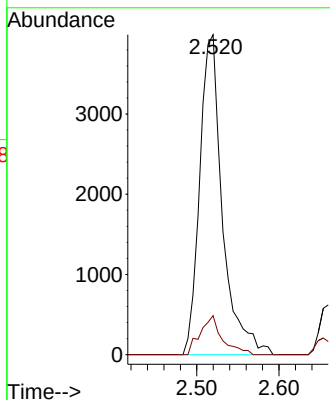
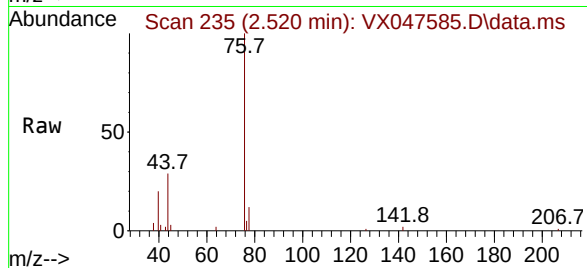
#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.520 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 7662
Ion Ratio Lower Upper
76 100
78 11.6 6.8 10.2

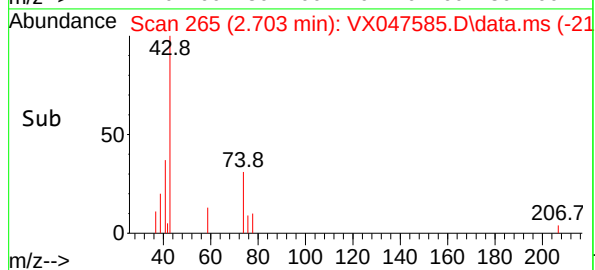
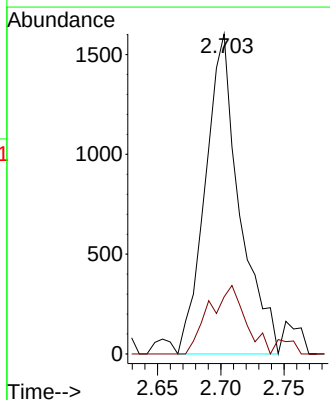
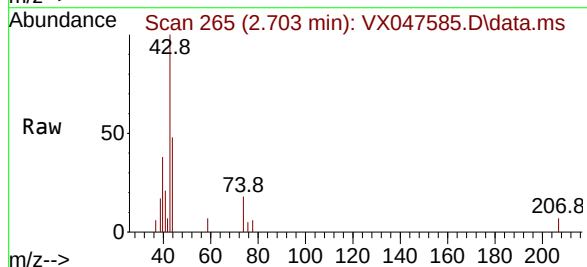
Manual Integrations
APPROVED

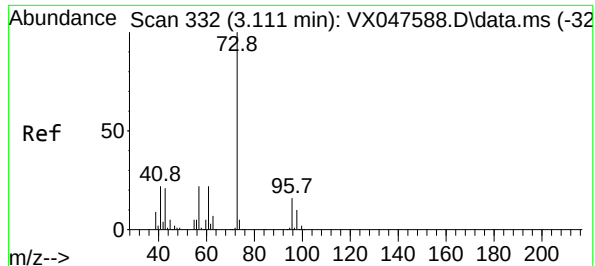
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#18
Methyl Acetate
Concen: 0.794 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3013
Ion Ratio Lower Upper
43 100
74 22.7 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 0.869 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 73 Resp: 928

Ion Ratio Lower Upper

73 100

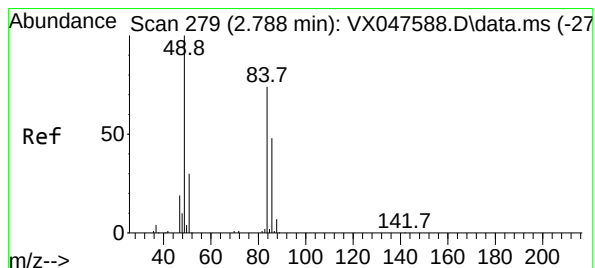
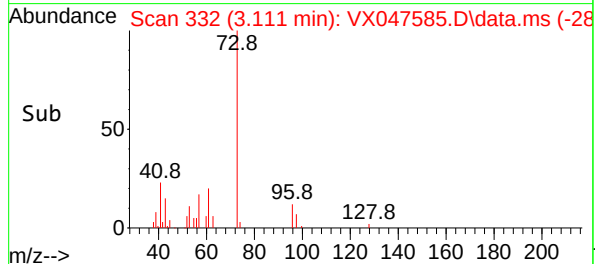
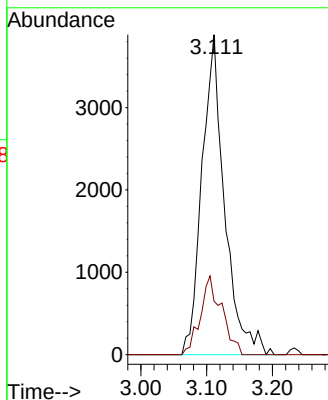
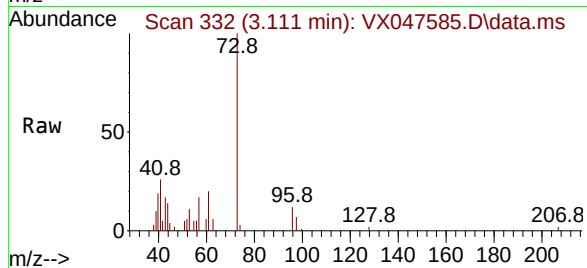
57 16.7 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#20

Methylene Chloride

Concen: 0.981 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion: 84 Resp: 3540

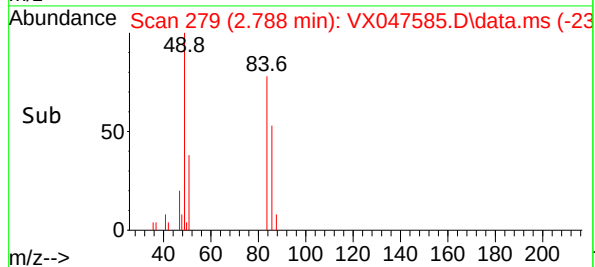
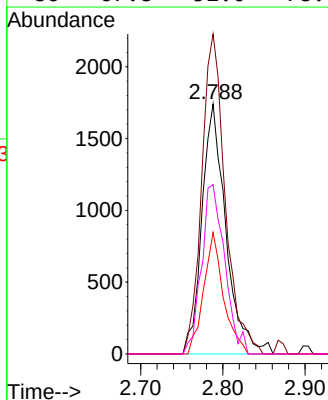
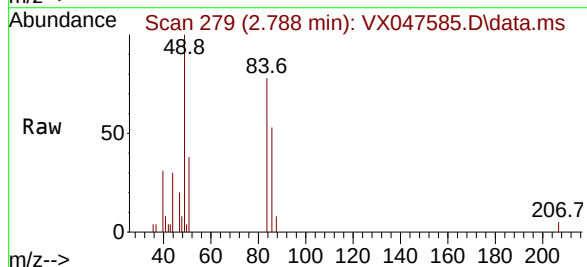
Ion Ratio Lower Upper

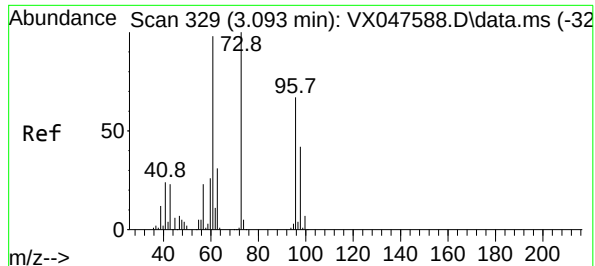
84 100

49 128.0 108.6 162.8

51 48.6 32.6 48.8

86 67.8 52.0 78.0





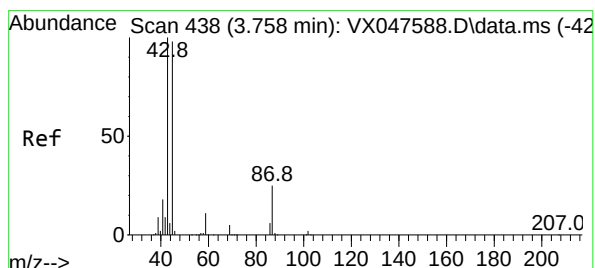
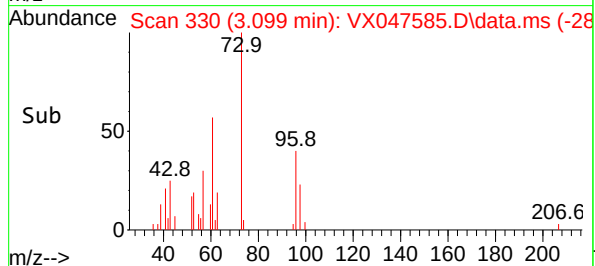
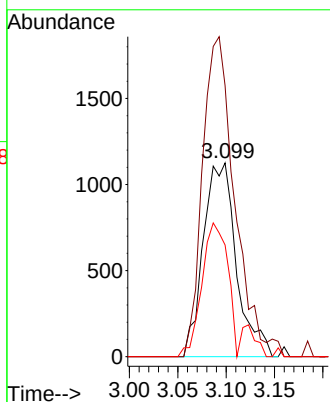
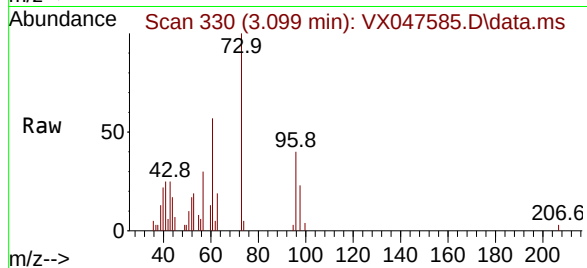
#21
trans-1,2-Dichloroethene
Concen: 0.849 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 96 Resp: 2670
Ion Ratio Lower Upper
96 100
61 139.9 116.2 174.2
98 57.6 49.3 73.9

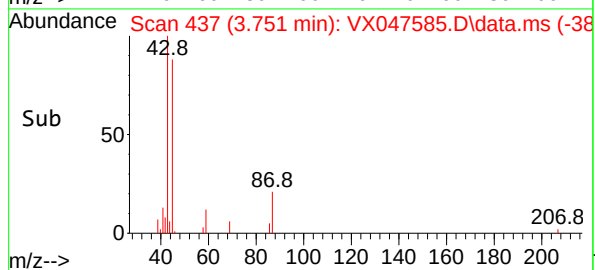
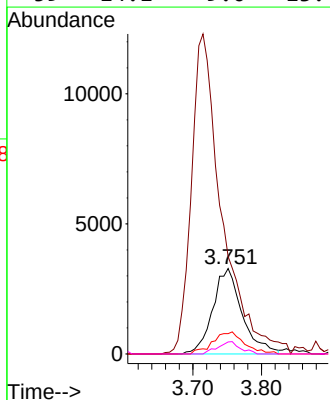
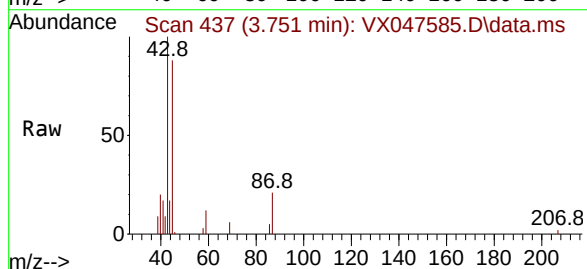
Manual Integrations
APPROVED

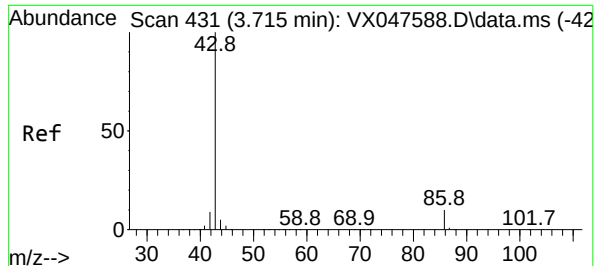
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#22
Diisopropyl ether
Concen: 0.832 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 45 Resp: 9738
Ion Ratio Lower Upper
45 100
43 117.9 81.0 121.4
87 23.7 20.3 30.5
59 14.1 9.0 13.4#





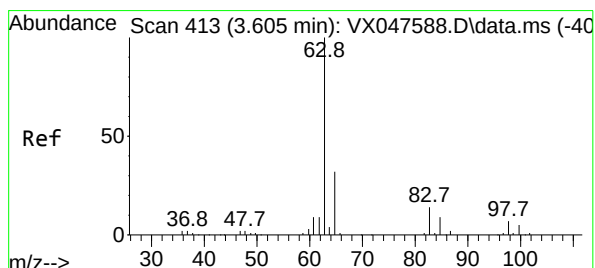
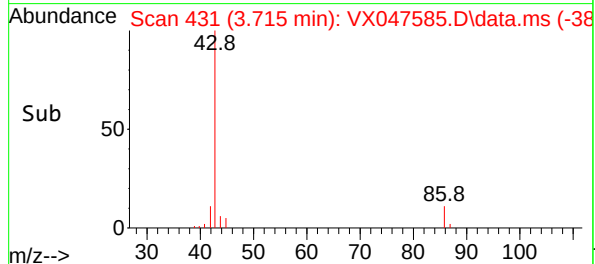
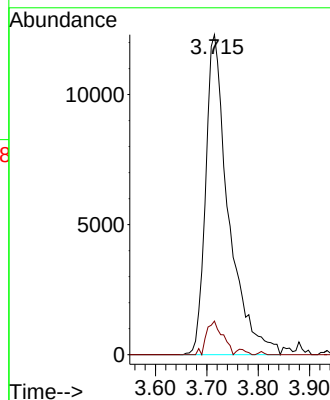
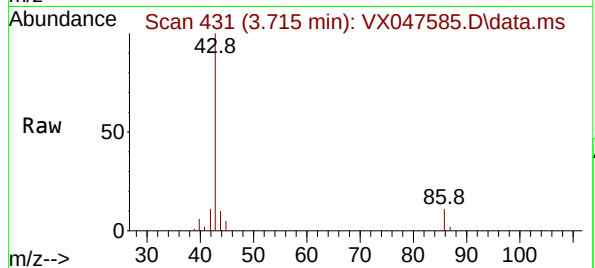
#23
Vinyl Acetate
Concen: 4.052 ug/l
RT: 3.715 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 3796
Ion Ratio Lower Upper
43 100
86 10.9 7.8 11.8

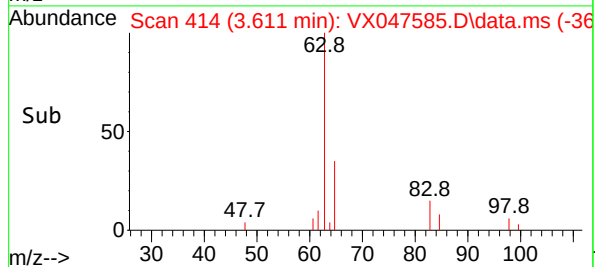
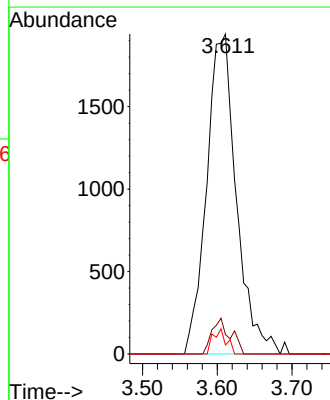
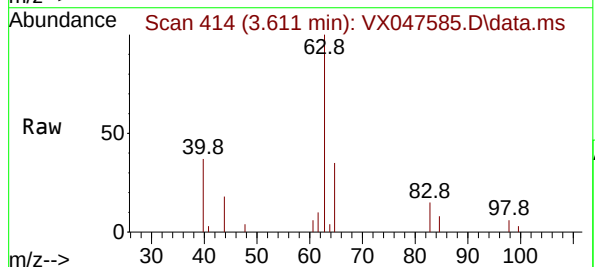
Manual Integrations
APPROVED

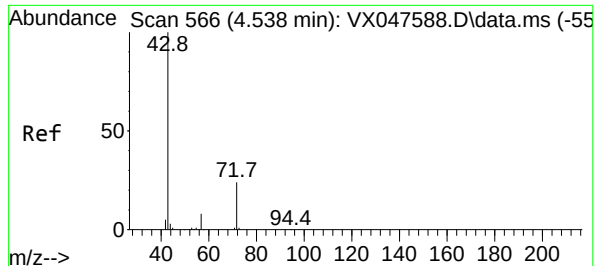
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#24
1,1-Dichloroethane
Concen: 0.863 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 5372
Ion Ratio Lower Upper
63 100
98 6.1 3.8 11.2
100 2.8 2.3 6.9





#25

2-Butanone

Concen: 4.281 ug/l

RT: 4.550 min Scan# 510

Delta R.T. 0.012 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

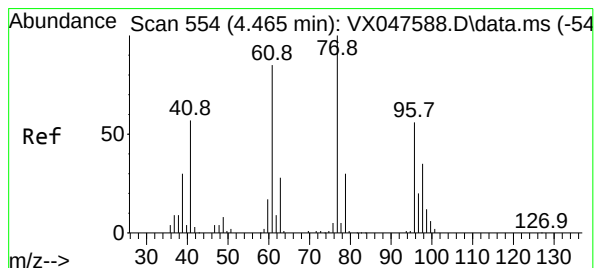
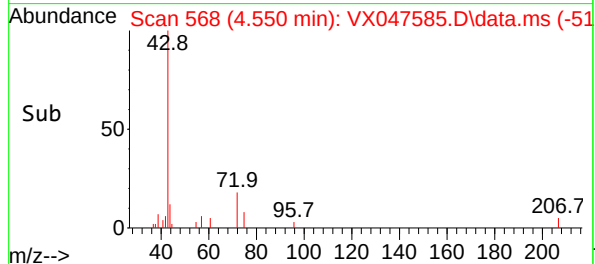
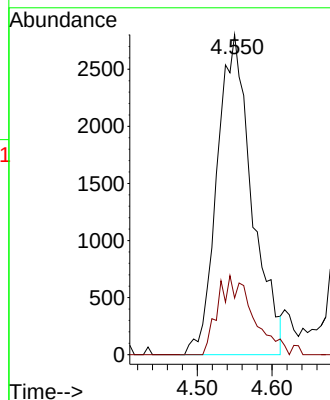
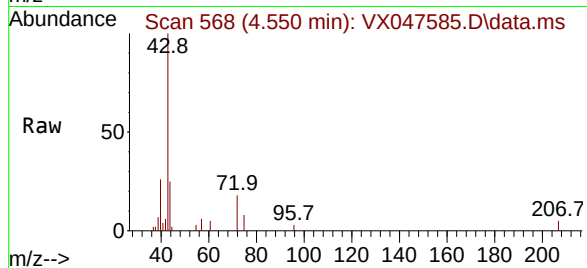
Tgt Ion: 43 Resp: 910

Ion	Ratio	Lower	Upper
43	100		
72	16.3	20.1	30.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#26

2,2-Dichloropropane

Concen: 0.901 ug/l

RT: 4.477 min Scan# 556

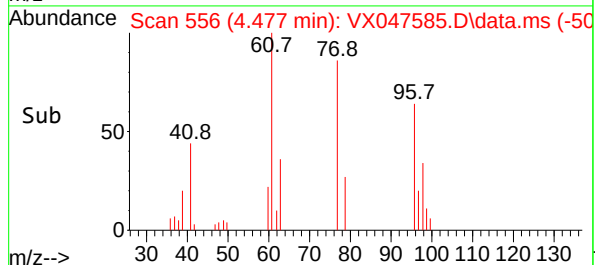
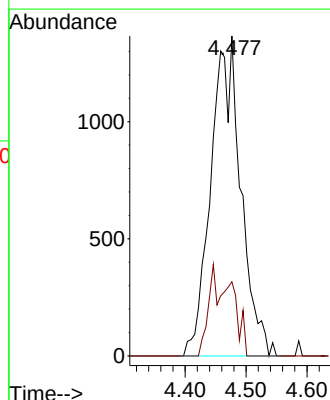
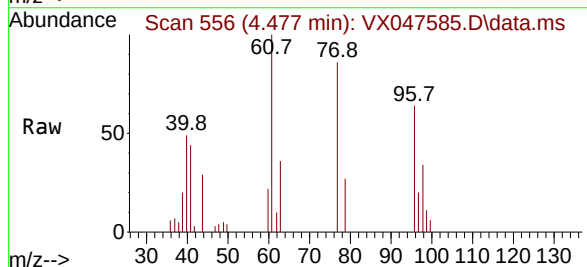
Delta R.T. 0.012 min

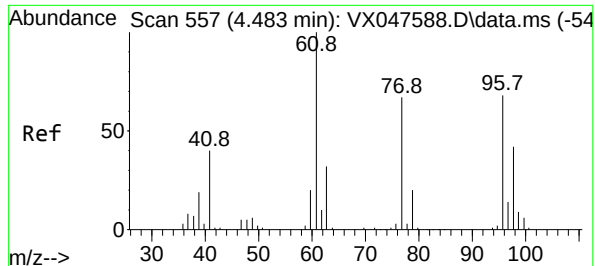
Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion: 77 Resp: 4657

Ion	Ratio	Lower	Upper
77	100		
97	11.0	10.9	32.7





#27

cis-1,2-Dichloroethene

Concen: 0.891 ug/l

RT: 4.477 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 3440

Ion Ratio Lower Upper

96 100

61 147.4 0.0 303.2

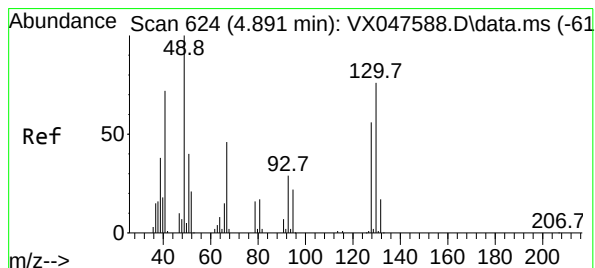
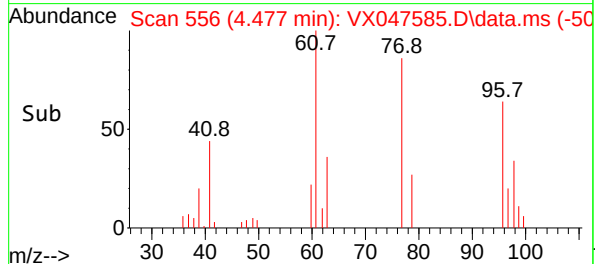
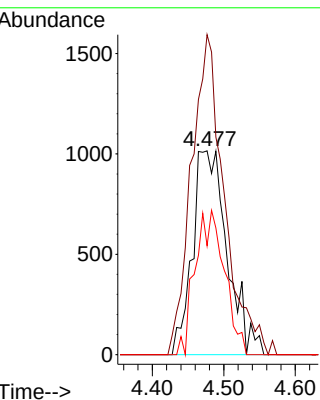
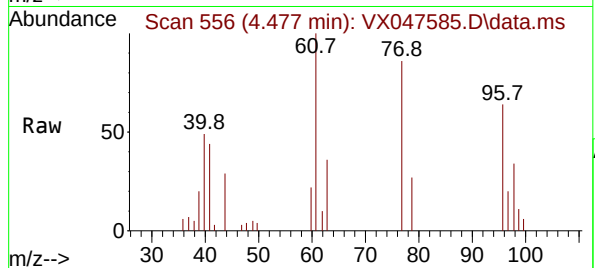
98 59.4 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#28

Bromochloromethane

Concen: 0.829 ug/l

RT: 4.879 min Scan# 622

Delta R.T. -0.012 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

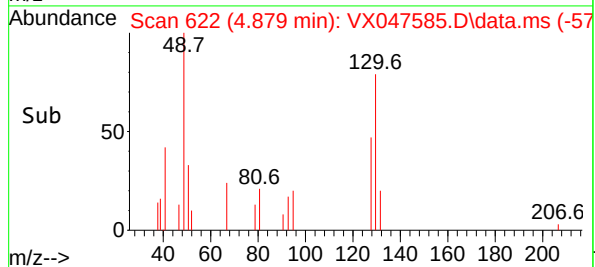
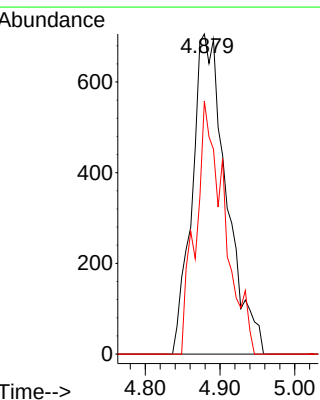
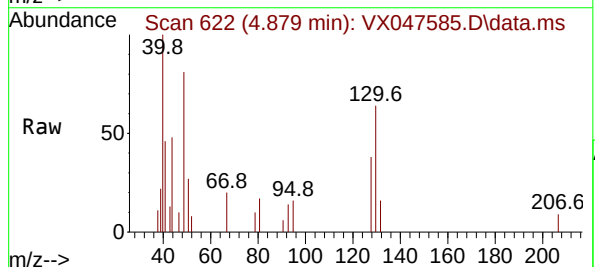
Tgt Ion: 49 Resp: 2251

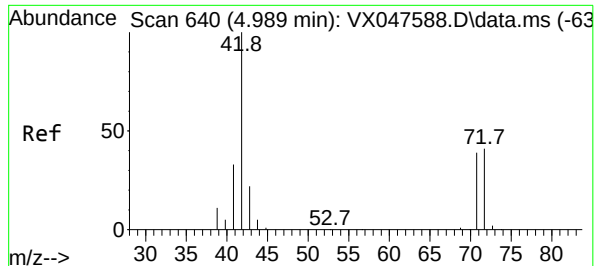
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.2

130 66.2 57.8 86.8





#29

Tetrahydrofuran

Concen: 4.072 ug/l

RT: 4.995 min Scan# 640

Delta R.T. 0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

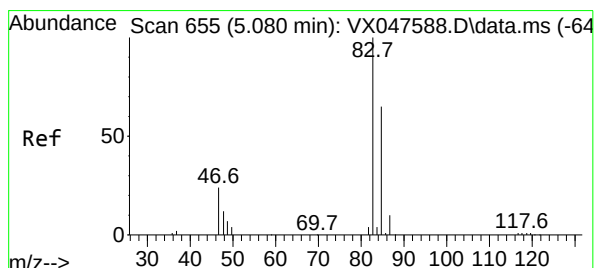
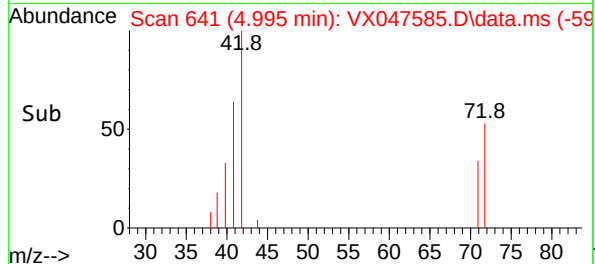
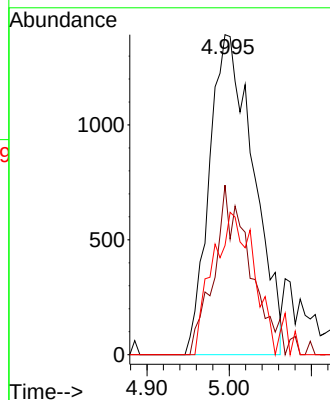
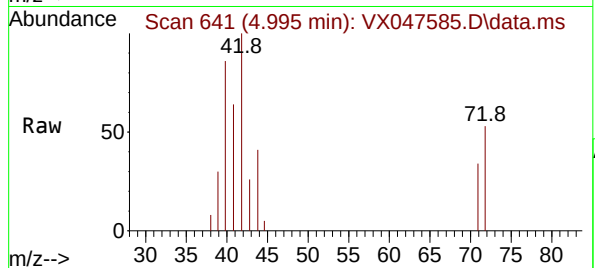
VSTDIC001

Tgt Ion:	42	Resp:	5210
Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.2	51.2
71	41.3	31.9	47.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#30

Chloroform

Concen: 0.810 ug/l

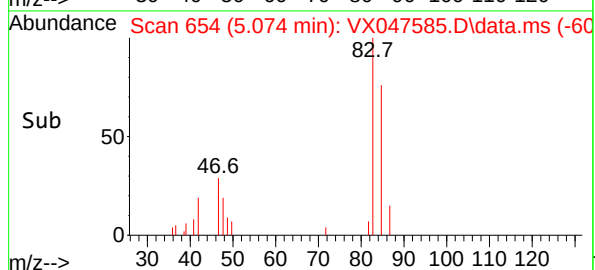
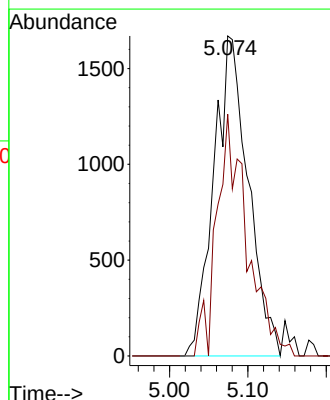
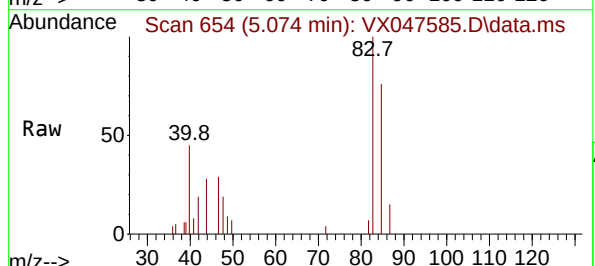
RT: 5.074 min Scan# 654

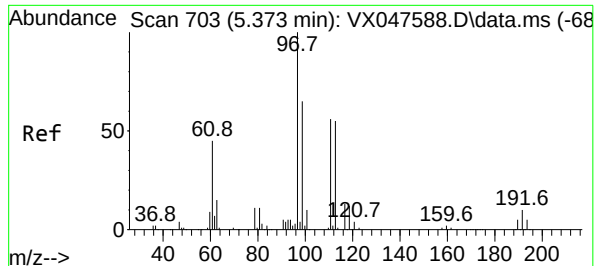
Delta R.T. -0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion:	83	Resp:	5093
Ion	Ratio	Lower	Upper
83	100		
85	75.6	51.8	77.6





#32

1,1,1-Trichloroethane

Concen: 0.832 ug/l

RT: 5.373 min Scan# 70

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 4439

Ion Ratio Lower Upper

97 100

99 0.0 50.6 76.0

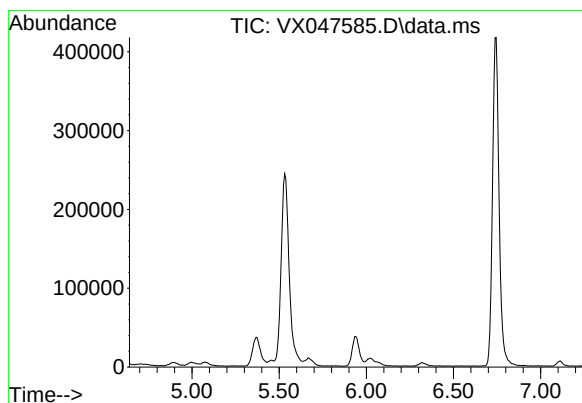
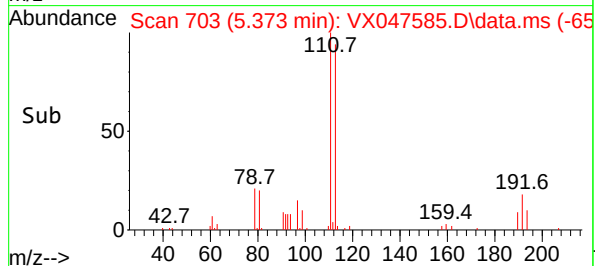
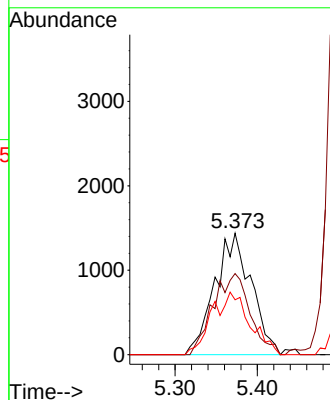
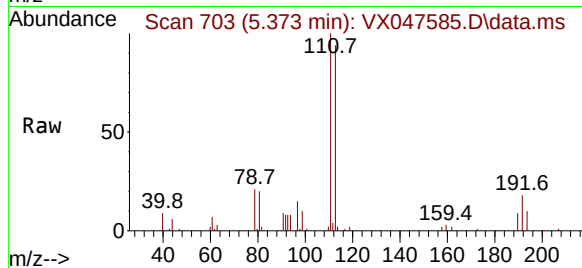
61 36.2 35.8 53.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.94 min

Lab File: VX047585.D

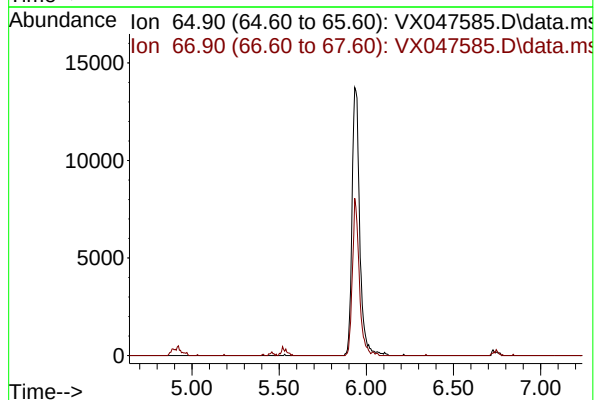
Acq: 16 Sep 2025 09:23

Tgt Ion: 65

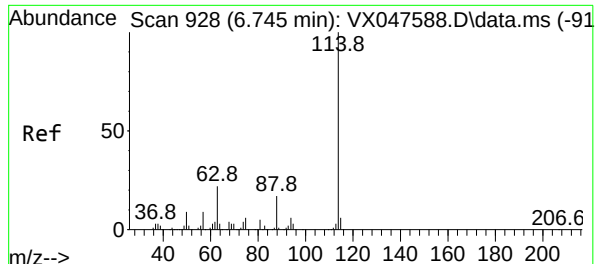
Sig Exp Ratio

65 100

67 51.5



Ion 66.90 (66.60 to 67.60): VX047585.D\data.ms



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion:114 Resp: 45150

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.0

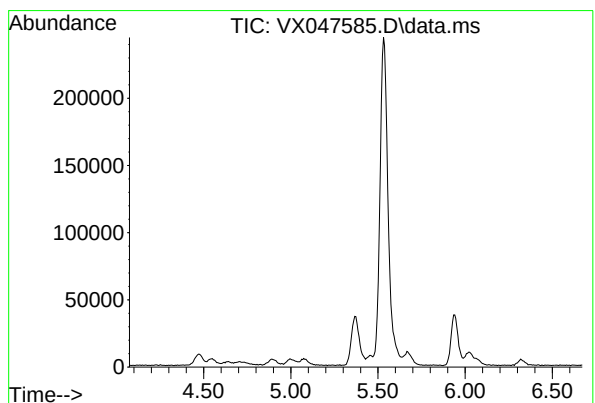
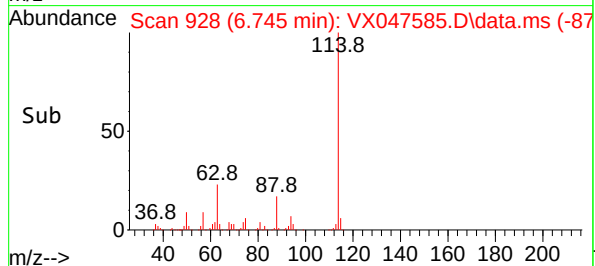
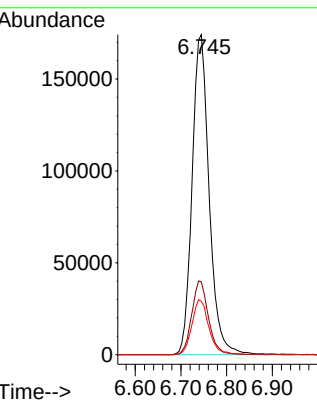
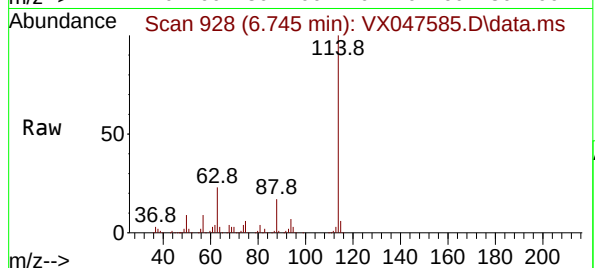
88 16.6 0.0 34.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 5.37 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

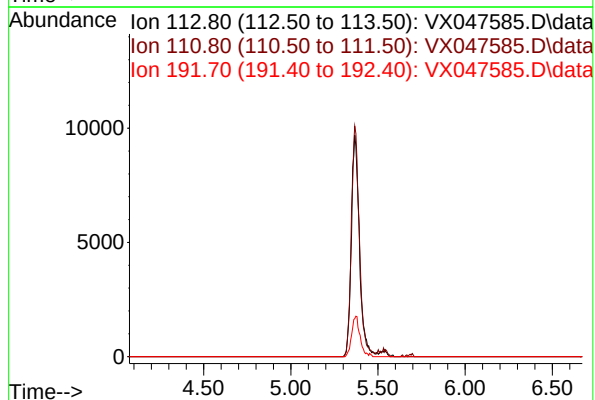
Tgt Ion: 113

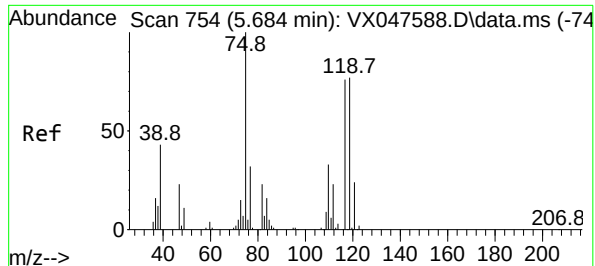
Sig Exp Ratio

113 100

111 101.1

192 17.8





#36

1,1-Dichloropropene

Concen: 0.988 ug/l

RT: 5.672 min Scan# 752

Delta R.T. -0.012 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

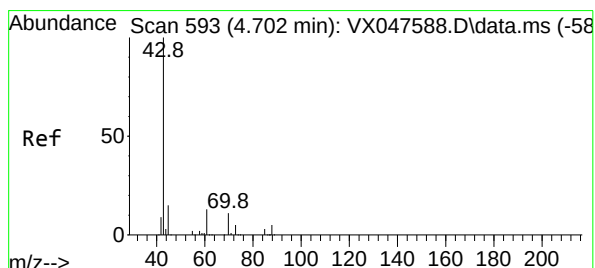
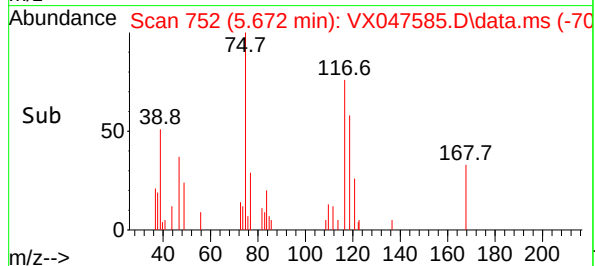
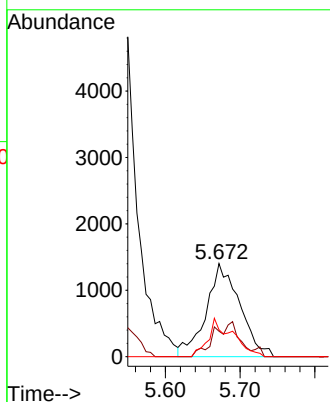
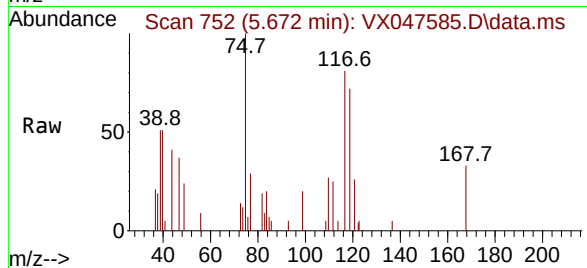
VSTDIC001

Tgt Ion:	75	Resp:	437
Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.7	50.1
77	30.0	24.3	36.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#37

Ethyl Acetate

Concen: 0.818 ug/l

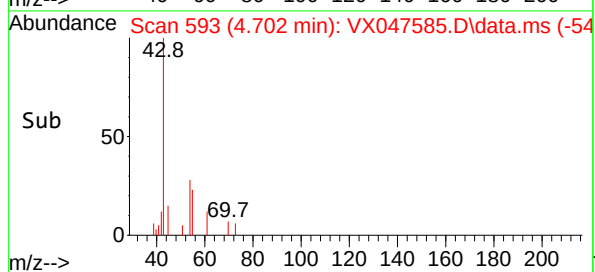
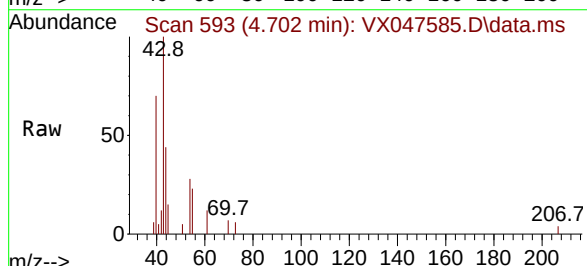
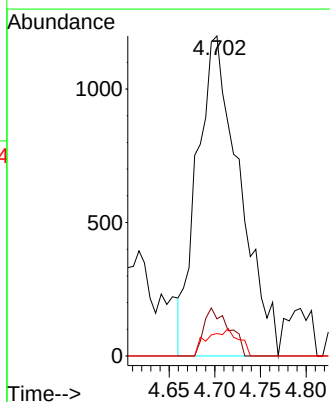
RT: 4.702 min Scan# 593

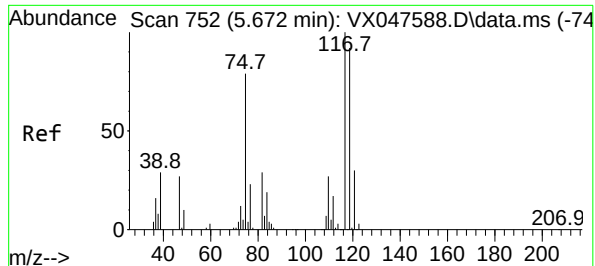
Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion:	43	Resp:	3873
Ion	Ratio	Lower	Upper
43	100		
61	8.9	9.8	14.8#
70	6.2	7.9	11.9#





#38

Carbon Tetrachloride

Concen: 0.905 ug/l

RT: 5.659 min Scan# 71

Delta R.T. -0.012 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

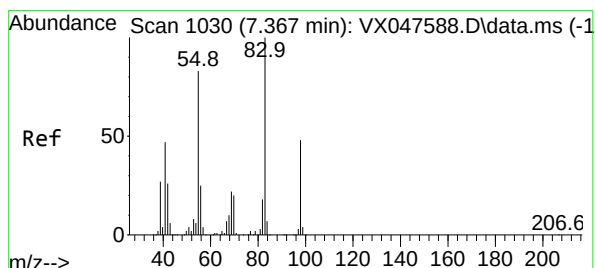
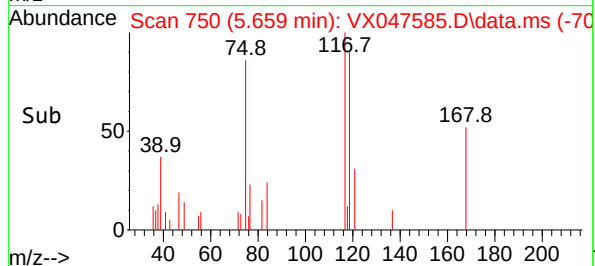
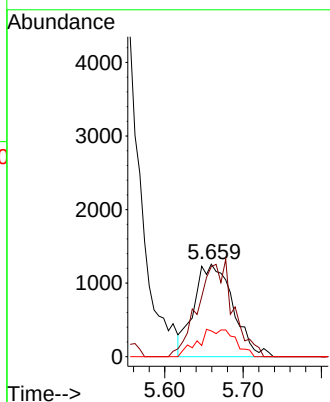
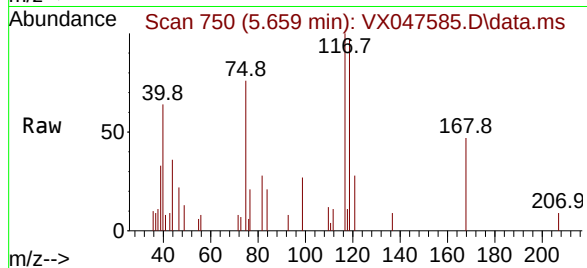
VSTDIC001

Tgt Ion:	117	Resp:	4349
Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.4	110.2
121	27.8	23.8	35.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#39

Methylcyclohexane

Concen: 0.882 ug/l

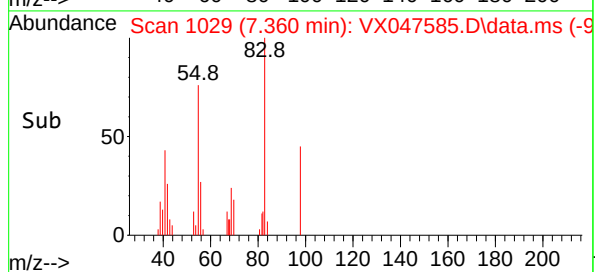
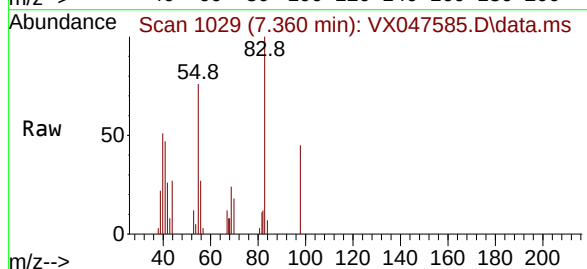
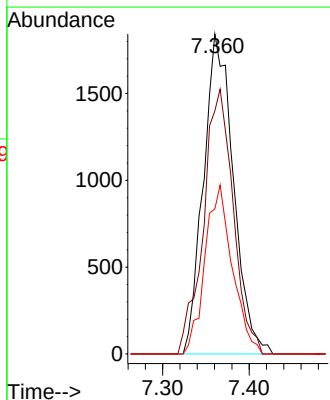
RT: 7.360 min Scan# 1029

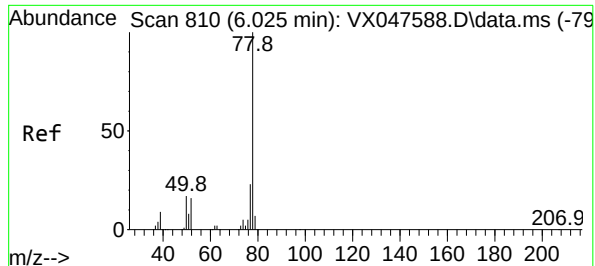
Delta R.T. -0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion:	83	Resp:	4428
Ion	Ratio	Lower	Upper
83	100		
55	76.0	66.4	99.6
98	45.3	38.1	57.1





#40

Benzene

Concen: 0.894 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 78 Resp: 1201

Ion Ratio Lower Upper

78 100

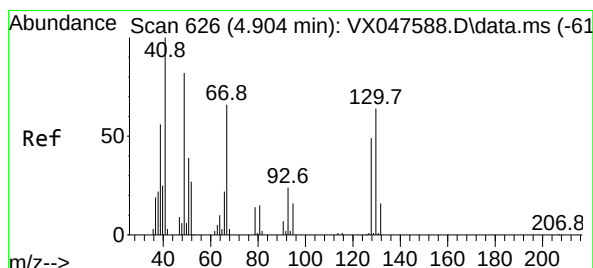
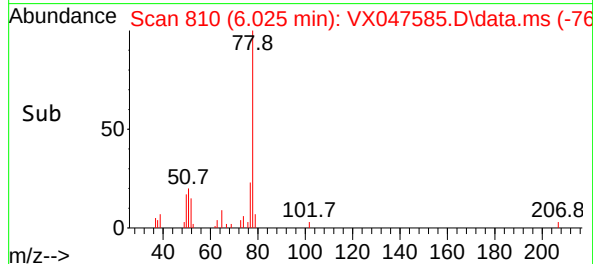
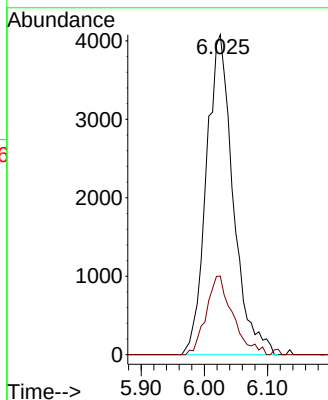
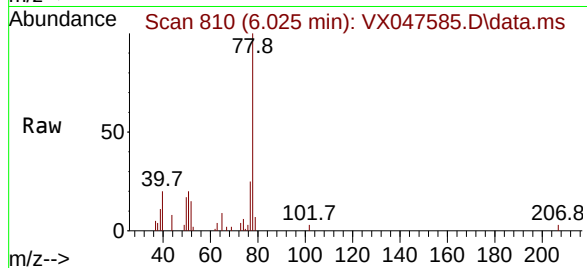
77 24.5 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#41

Methacrylonitrile

Concen: 0.870 ug/l

RT: 4.903 min Scan# 626

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 2128

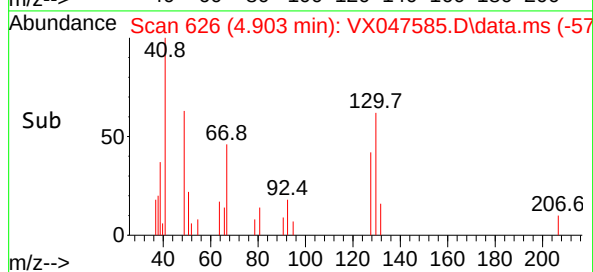
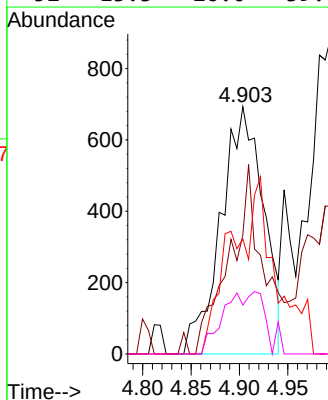
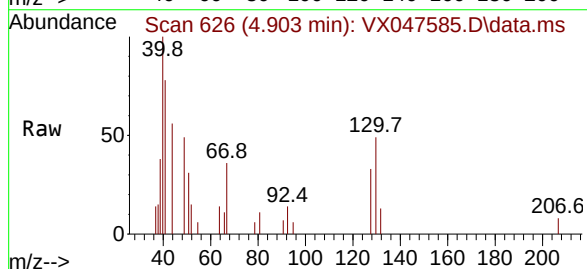
Ion Ratio Lower Upper

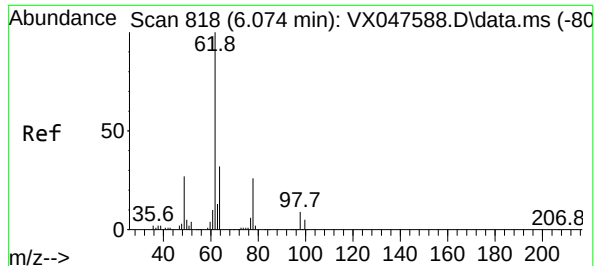
41 100

39 60.3 43.3 64.9

67 23.5 58.6 87.8#

52 13.3 26.0 39.0#





#42

1,2-Dichloroethane

Concen: 0.906 ug/l

RT: 6.062 min Scan# 816

Delta R.T. -0.012 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

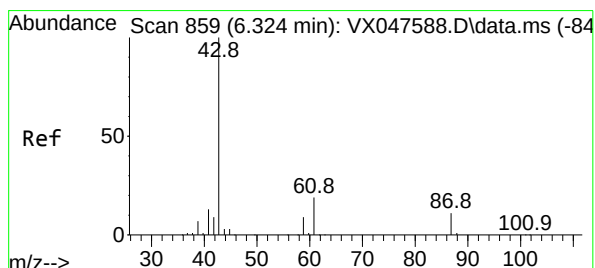
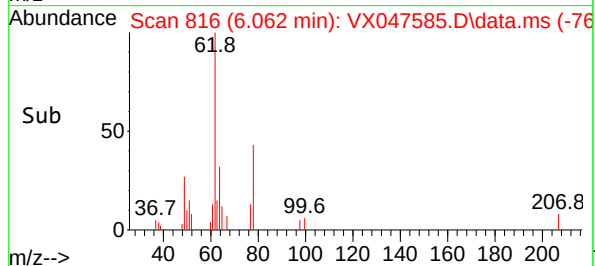
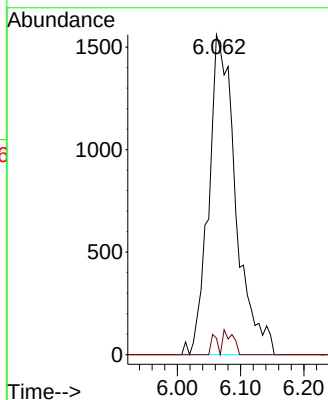
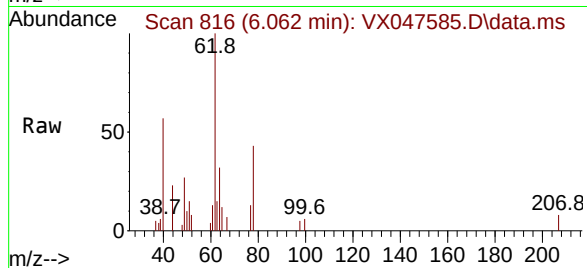
VSTDICC001

Tgt Ion:	62	Resp:	4634
Ion	Ratio	Lower	Upper
62	100		
98	1.4	0.0	17.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#43

Isopropyl Acetate

Concen: 0.873 ug/l

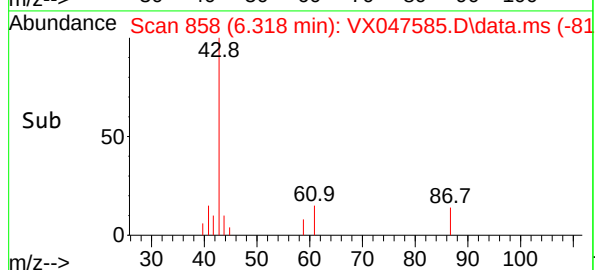
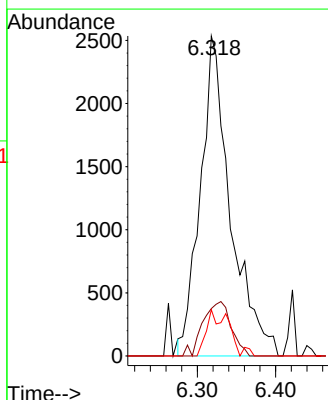
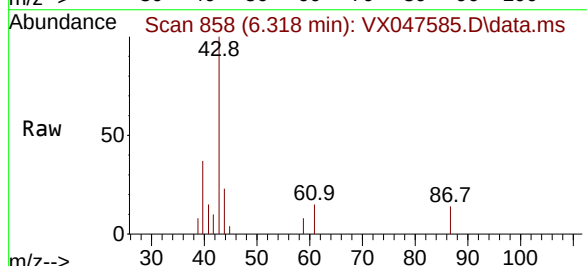
RT: 6.318 min Scan# 858

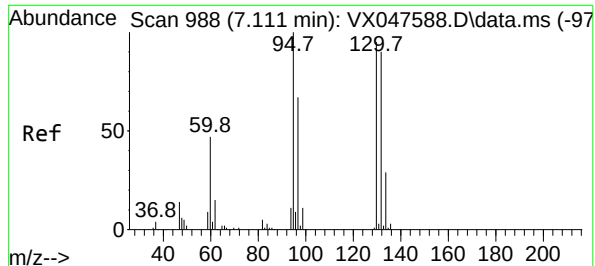
Delta R.T. -0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion:	43	Resp:	6784
Ion	Ratio	Lower	Upper
43	100		
61	15.9	15.2	22.8
87	10.1	9.6	14.4





#44

Trichloroethene

Concen: 0.824 ug/l

RT: 7.110 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion:130 Resp: 267

Ion Ratio Lower Upper

130 100

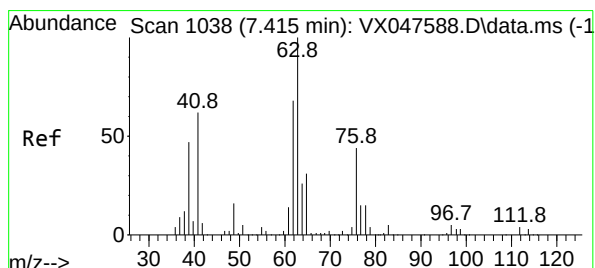
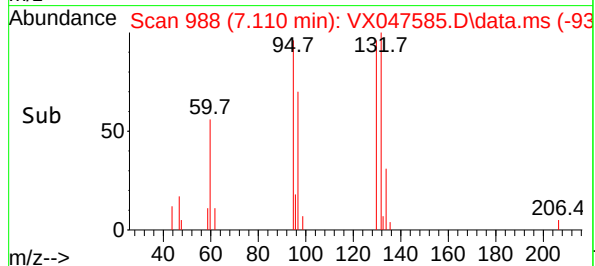
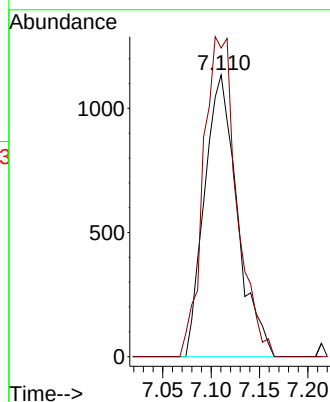
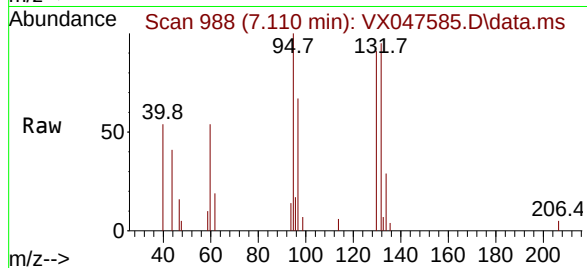
95 127.9 0.0 210.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#45

1,2-Dichloropropane

Concen: 0.856 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX047585.D

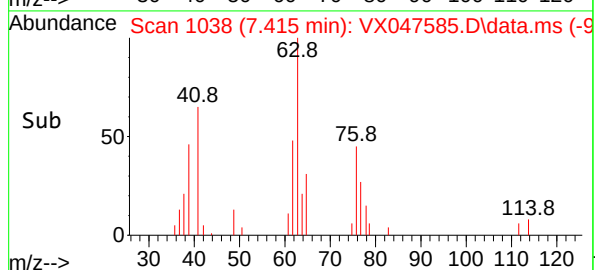
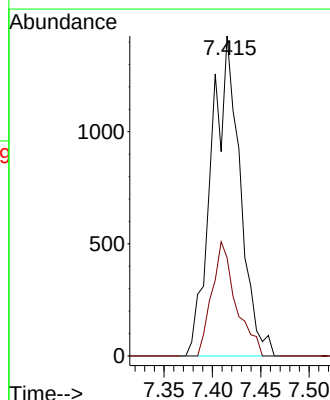
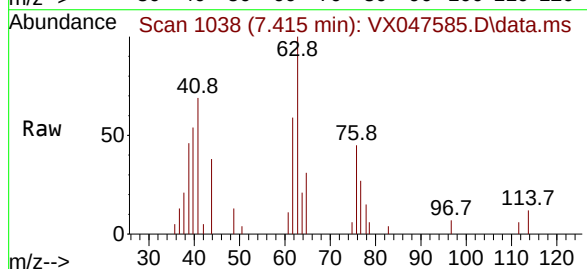
Acq: 16 Sep 2025 09:23

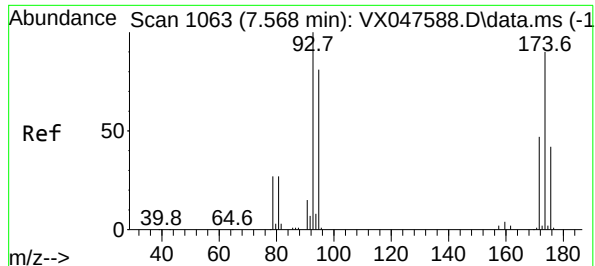
Tgt Ion: 63 Resp: 2945

Ion Ratio Lower Upper

63 100

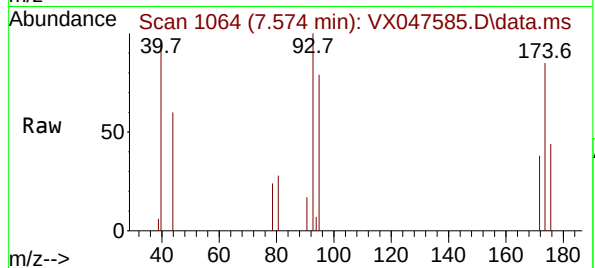
65 30.7 24.7 37.1





#46
Dibromomethane
Concen: 0.895 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

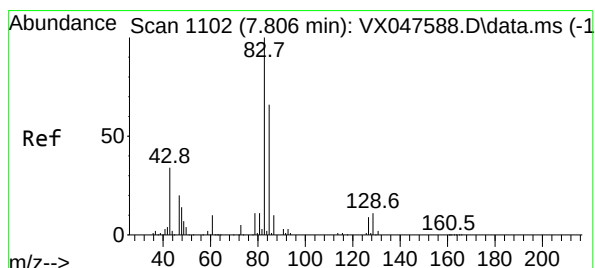
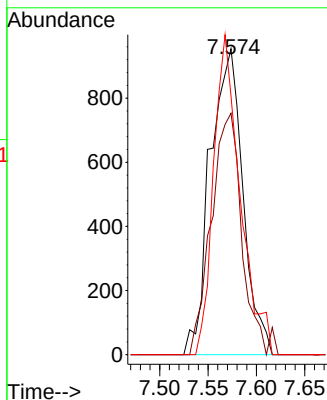
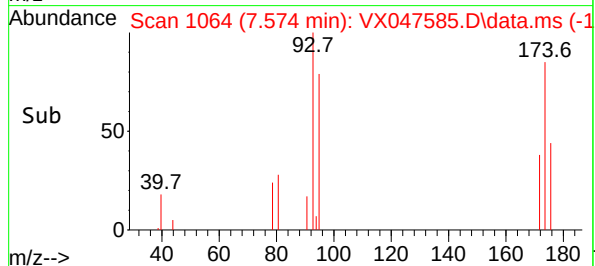
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion: 93 Resp: 2240
Ion Ratio Lower Upper
93 100
95 74.4 65.0 97.6
174 85.1 71.6 107.4

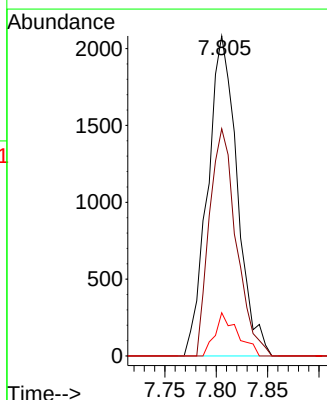
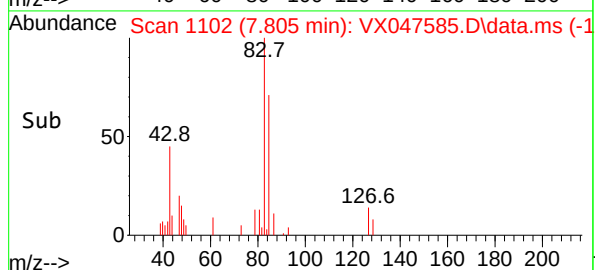
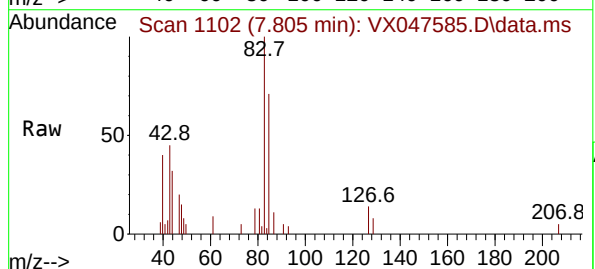
Manual Integrations
APPROVED

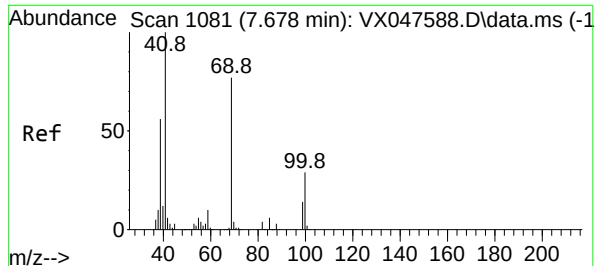
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#47
Bromodichloromethane
Concen: 0.806 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 4167
Ion Ratio Lower Upper
83 100
85 71.0 52.5 78.7
127 13.5 6.9 10.3#





#48

Methyl methacrylate

Concen: 0.867 ug/l

RT: 7.683 min Scan# 1082

Delta R.T. 0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

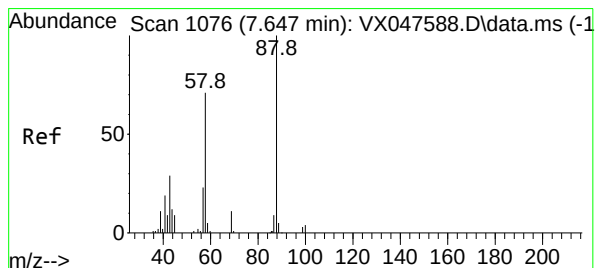
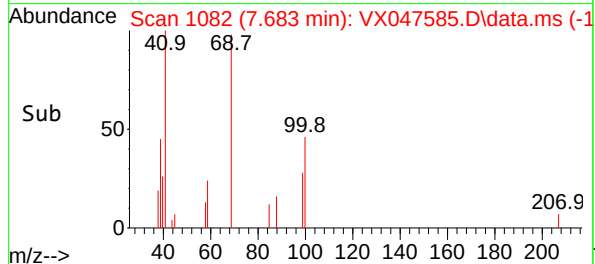
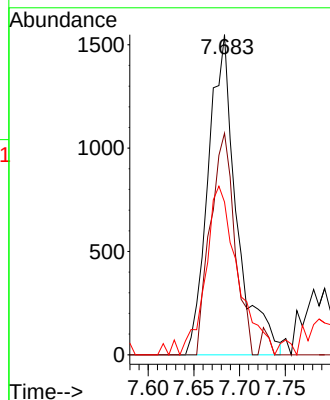
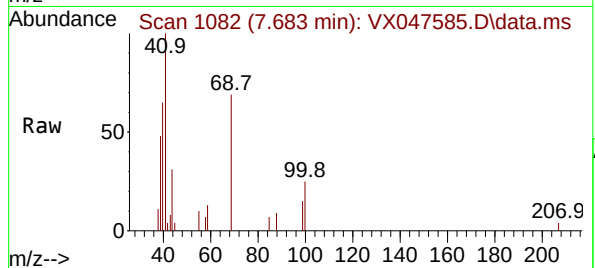
Tgt Ion:	41	Resp:	335
Ion	Ratio	Lower	Upper
41	100		
69	59.3	61.4	92.2
39	59.5	45.8	68.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#49

1,4-Dioxane

Concen: 12.477 ug/l m

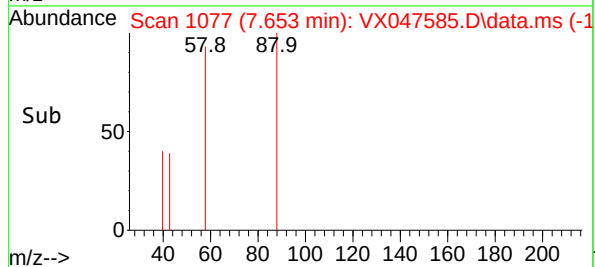
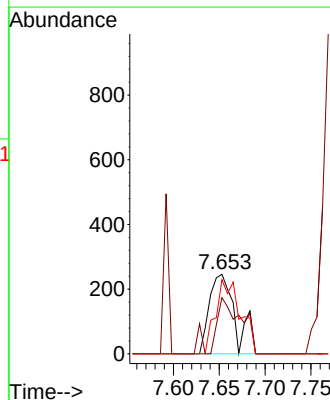
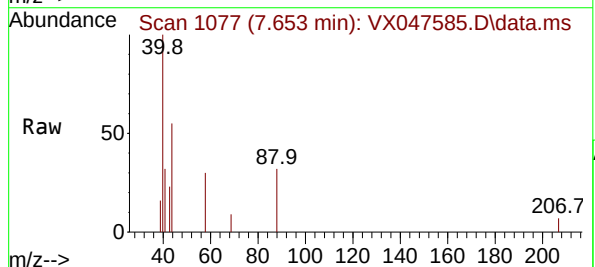
RT: 7.653 min Scan# 1077

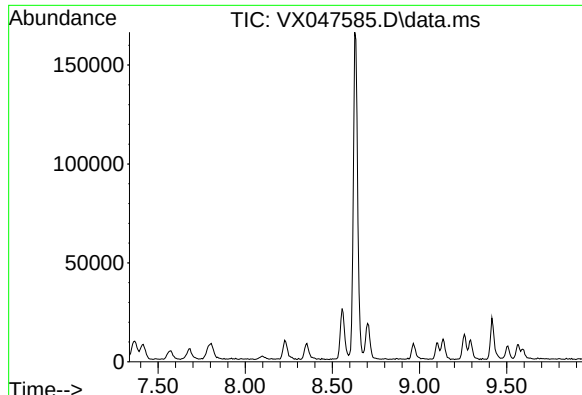
Delta R.T. 0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion:	88	Resp:	488
Ion	Ratio	Lower	Upper
88	100		
43	64.1	30.2	45.2
58	88.9	59.5	89.3





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.63 min

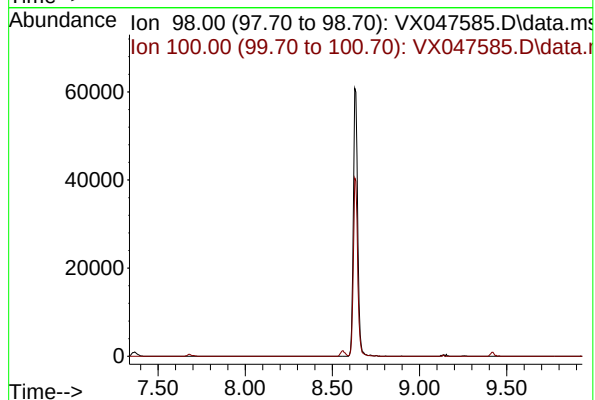
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 98
Sig Exp Ratio
98 100
100 66.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

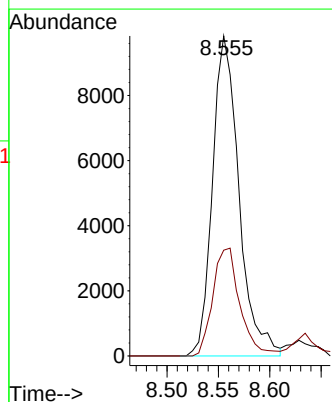
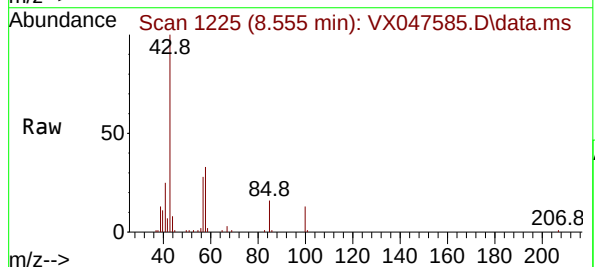
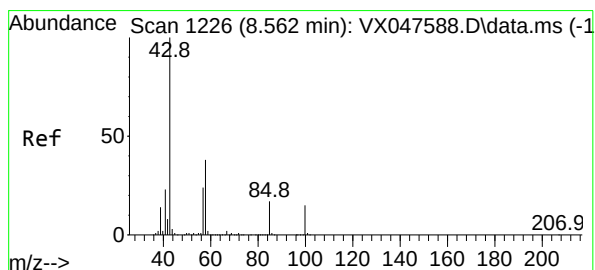
Manual Integrations
APPROVED

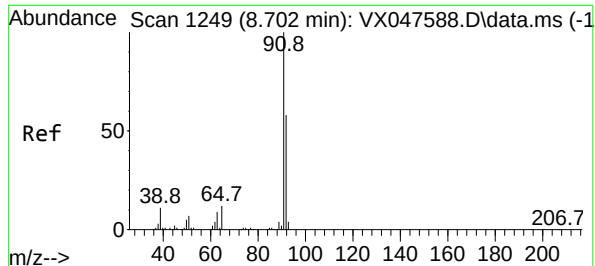
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#51
4-Methyl-2-Pentanone
Concen: 4.085 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 17596
Ion Ratio Lower Upper
43 100
58 34.7 30.3 45.5





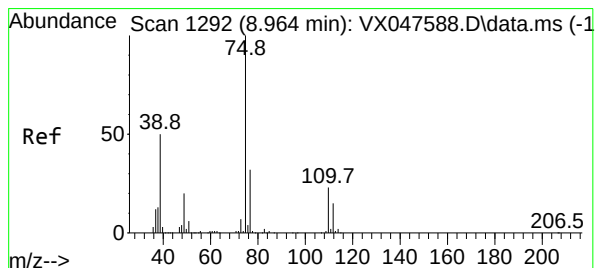
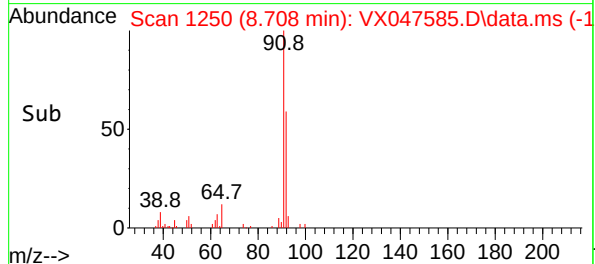
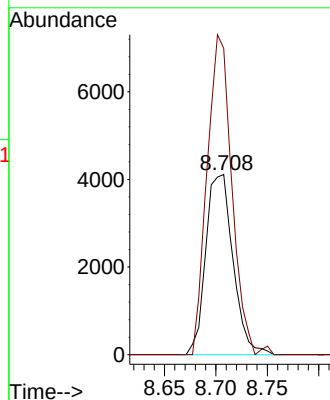
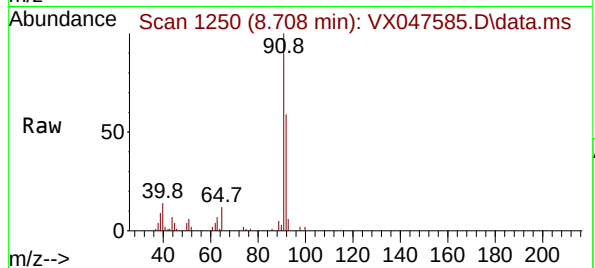
#52
Toluene
Concen: 0.917 ug/l
RT: 8.708 min Scan# 1249
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 92 Resp: 759
Ion Ratio Lower Upper
92 100
91 160.7 137.1 205.7

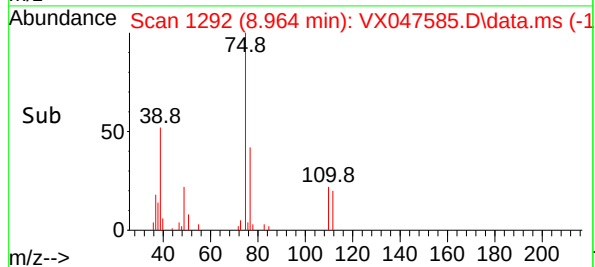
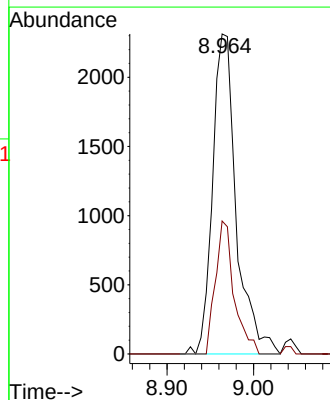
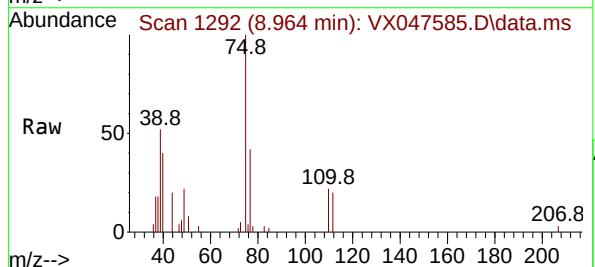
Manual Integrations
APPROVED

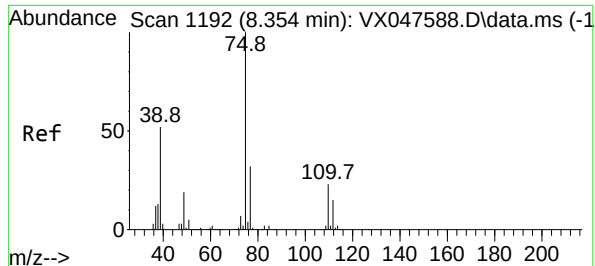
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#53
t-1,3-Dichloropropene
Concen: 0.834 ug/l
RT: 8.964 min Scan# 1292
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4398
Ion Ratio Lower Upper
75 100
77 41.5 25.4 38.2#





#54

cis-1,3-Dichloropropene

Concen: 0.823 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

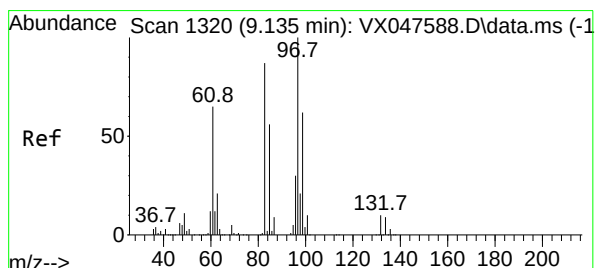
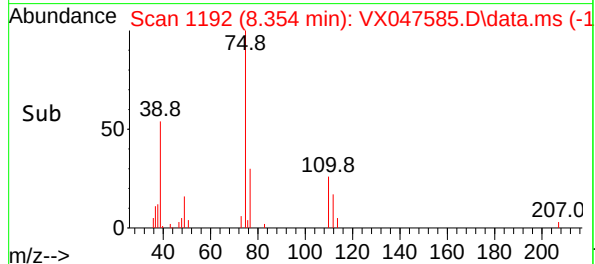
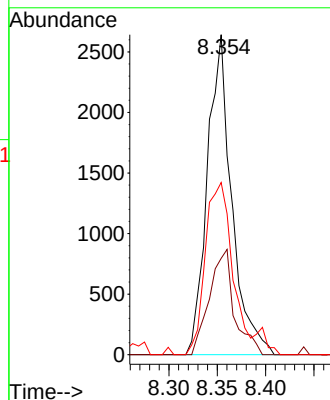
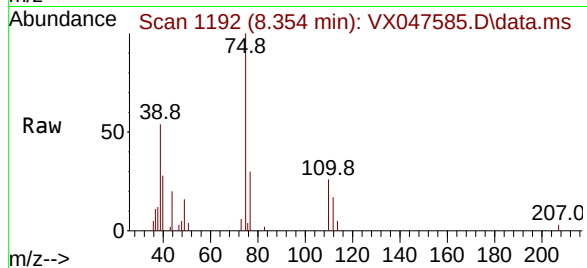
Tgt Ion:	75	Resp:	463
Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.8	38.6
39	25.6	41.4	62.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#55

1,1,2-Trichloroethane

Concen: 0.914 ug/l

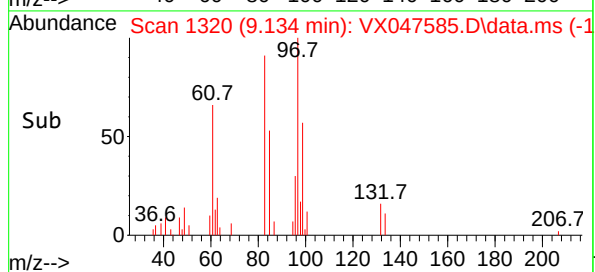
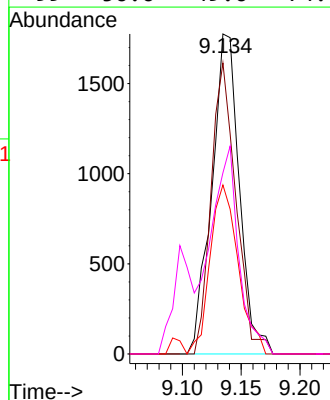
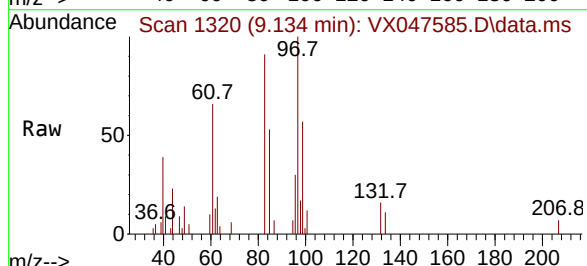
RT: 9.134 min Scan# 1320

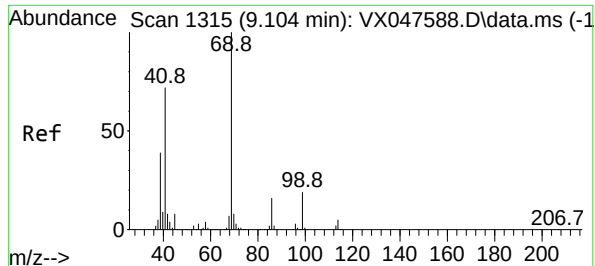
Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion:	97	Resp:	2918
Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.6	104.4
85	52.8	45.0	67.6
99	56.6	49.6	74.4





#56

Ethyl methacrylate

Concen: 0.734 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

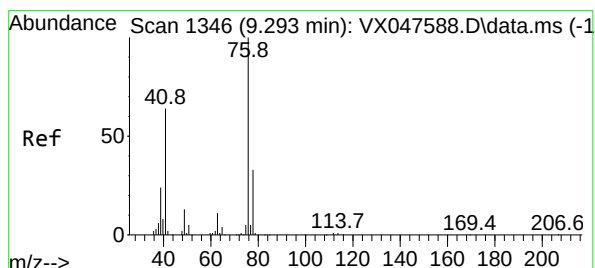
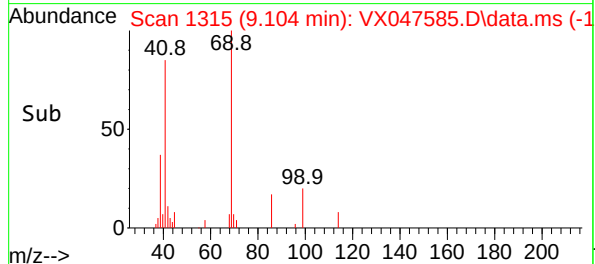
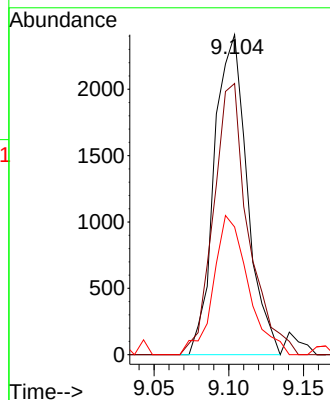
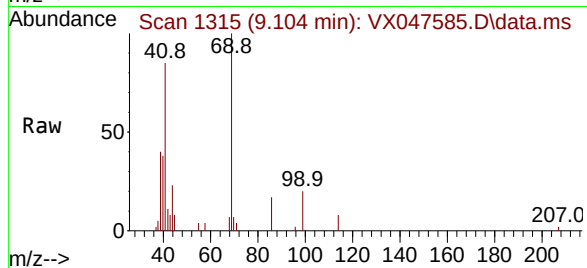
VSTDICC001

Tgt Ion:	69	Resp:	3679
Ion	Ratio	Lower	Upper
69	100		
41	89.4	58.6	87.8
39	46.0	31.5	47.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#57

1,3-Dichloropropane

Concen: 0.835 ug/l

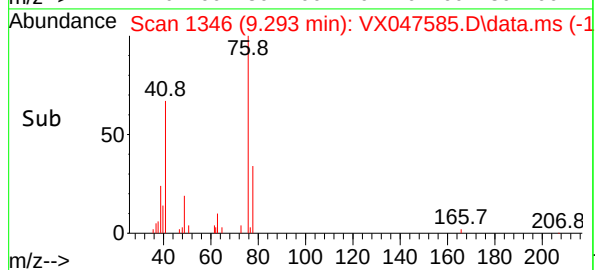
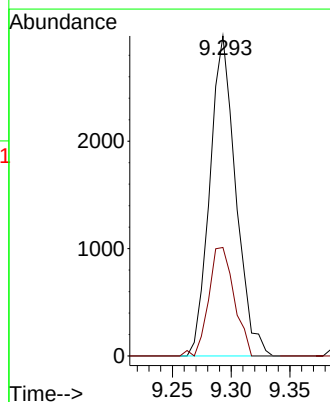
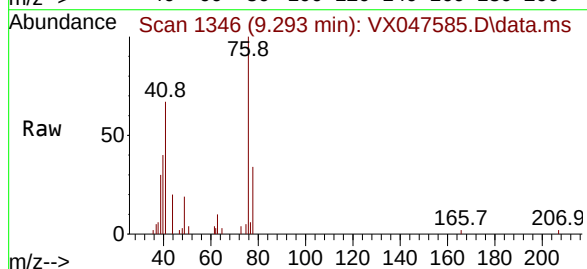
RT: 9.293 min Scan# 1346

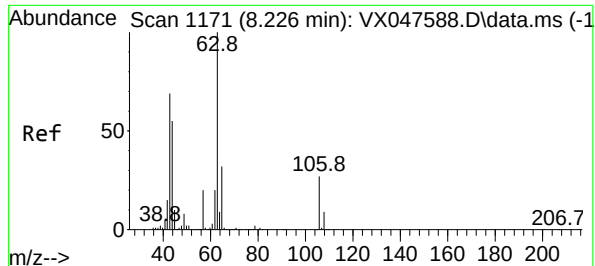
Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion:	76	Resp:	4580
Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4





#58

2-Chloroethyl Vinyl ether

Concen: 9.665 ug/l

RT: 8.226 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 63 Resp: 422

Ion Ratio Lower Upper

63 100

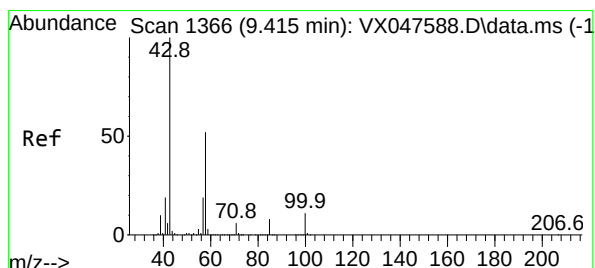
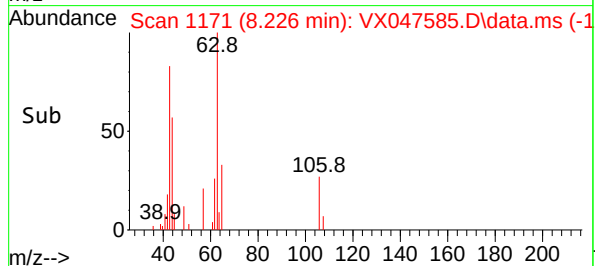
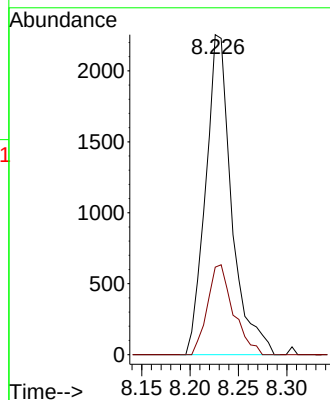
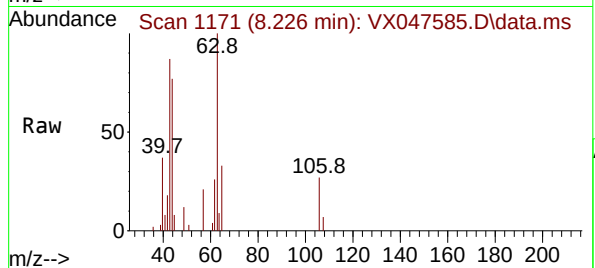
106 27.9 21.9 32.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#59

2-Hexanone

Concen: 4.003 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. -0.000 min

Lab File: VX047585.D

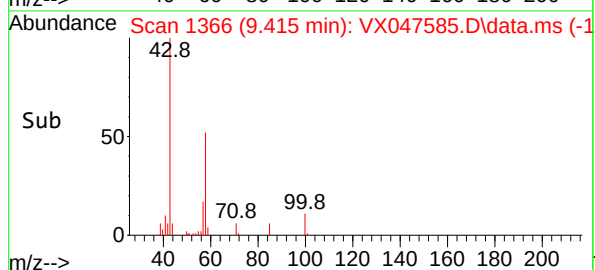
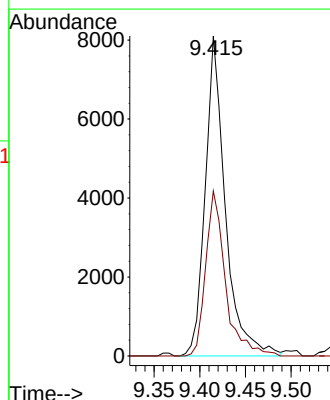
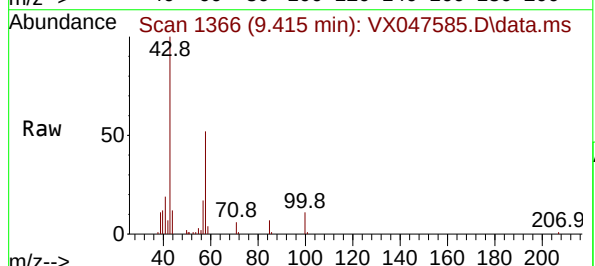
Acq: 16 Sep 2025 09:23

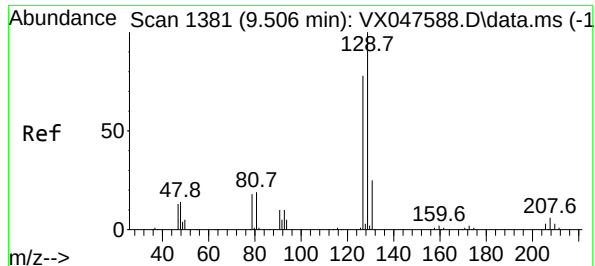
Tgt Ion: 43 Resp: 12385

Ion Ratio Lower Upper

43 100

58 50.7 26.1 78.2





#60

Dibromochloromethane

Concen: 0.789 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion:129 Resp: 290

Ion Ratio Lower Upper

129 100

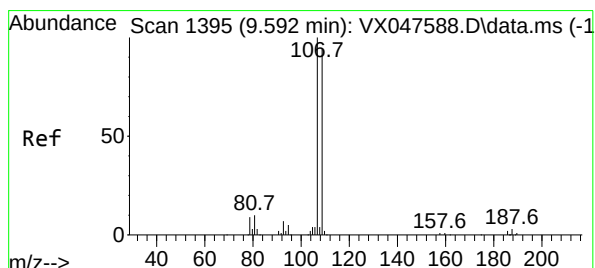
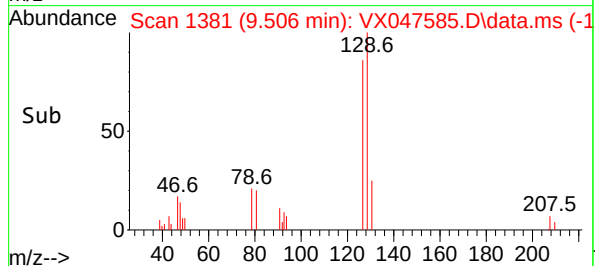
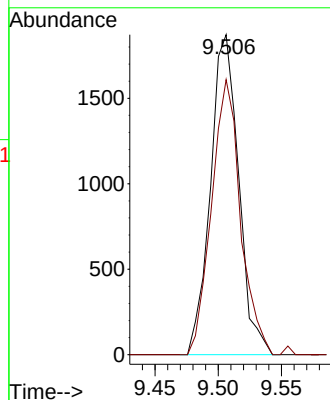
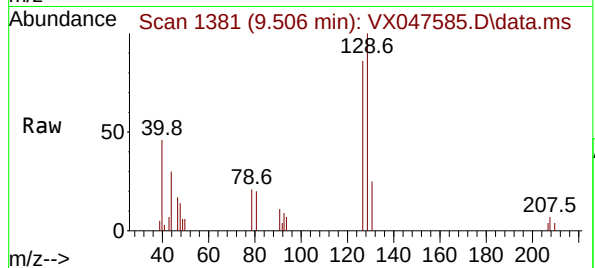
127 88.2 38.4 115.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#61

1,2-Dibromoethane

Concen: 0.798 ug/l

RT: 9.592 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VX047585.D

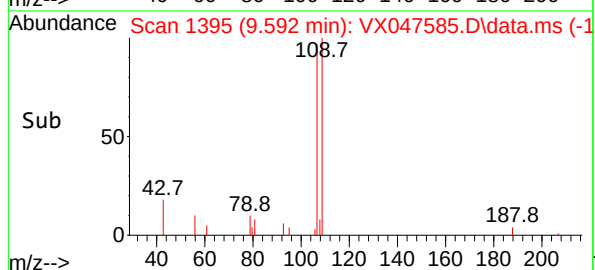
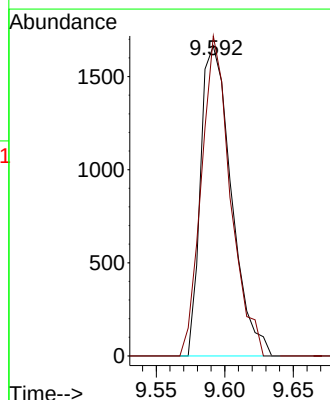
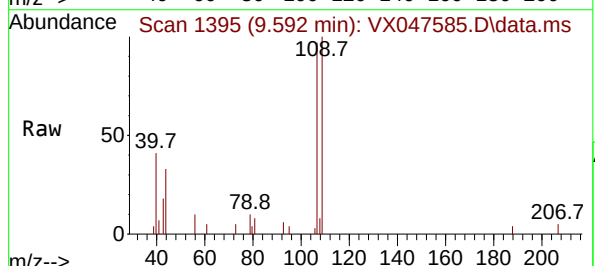
Acq: 16 Sep 2025 09:23

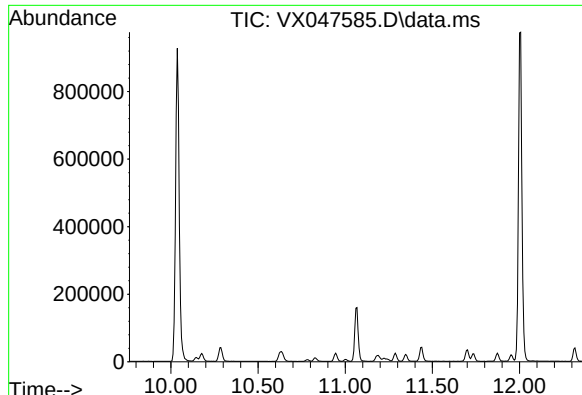
Tgt Ion:107 Resp: 2596

Ion Ratio Lower Upper

107 100

109 97.7 75.3 112.9





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.06 min

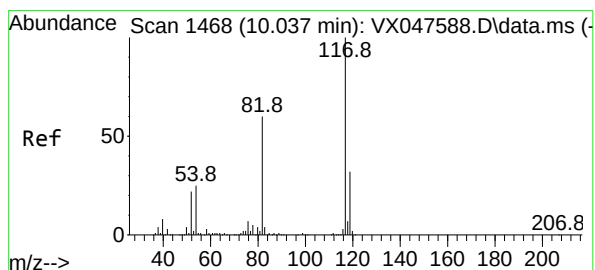
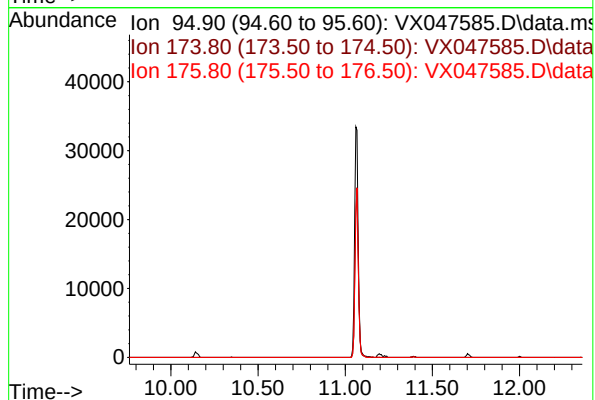
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 95
Sig Exp Ratio
95 100
174 70.8
176 69.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

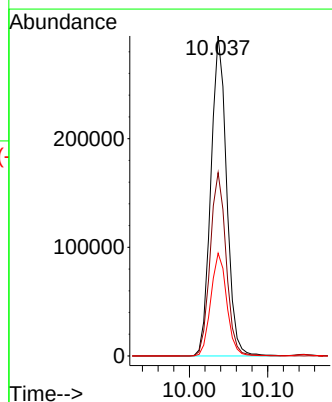
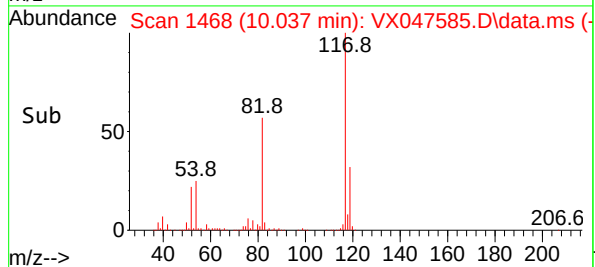
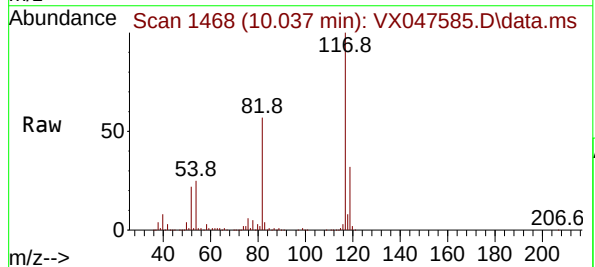
Manual Integrations
APPROVED

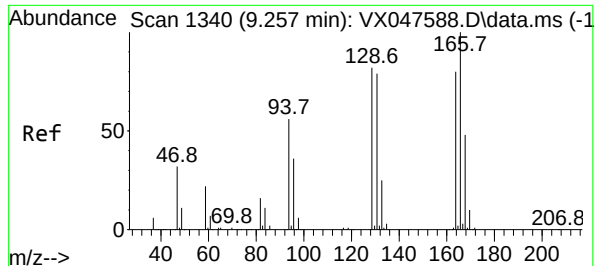
Reviewed By : John Carlone 09/17/2025
Supervised By : Mahesh Dadoda 09/18/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

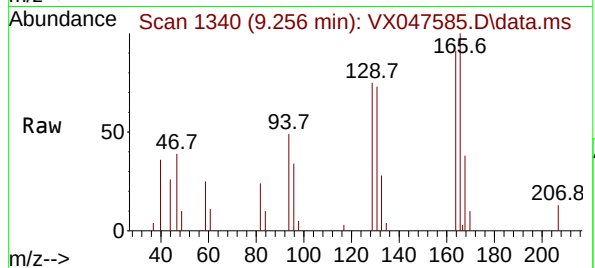
Tgt Ion: 117 Resp: 410953
Ion Ratio Lower Upper
117 100
82 57.3 47.8 71.6
119 32.1 25.2 37.8





#64
Tetrachloroethene
Concen: 0.917 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

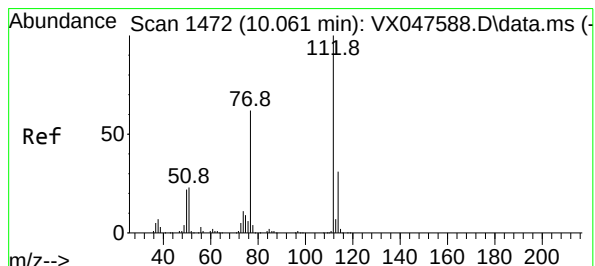
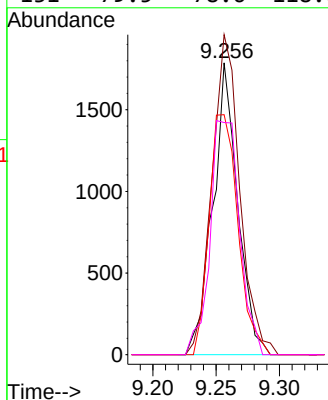
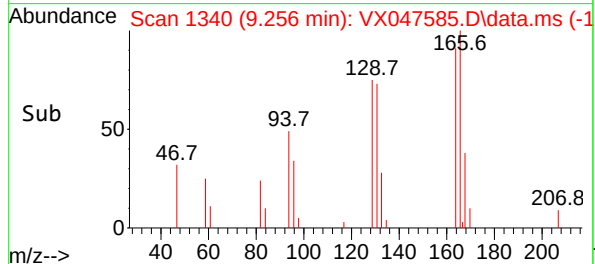
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion:164 Resp: 245
Ion Ratio Lower Upper
164 100
166 109.6 100.2 150.2
129 82.2 81.8 122.6
131 79.5 78.6 118.0

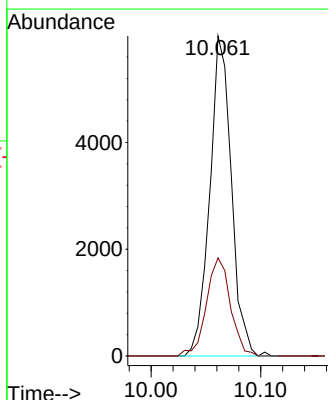
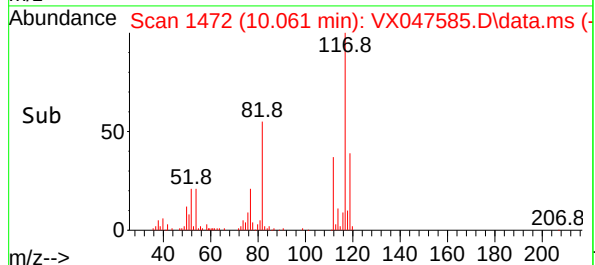
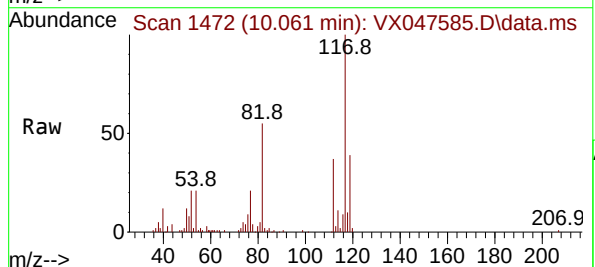
Manual Integrations
APPROVED

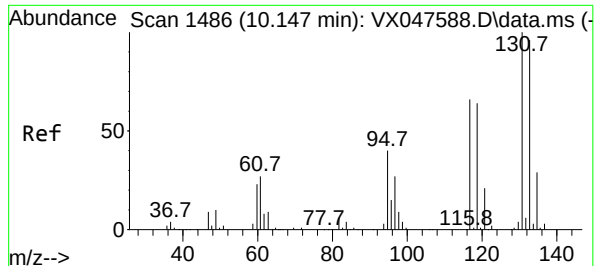
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#65
Chlorobenzene
Concen: 0.879 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:112 Resp: 8202
Ion Ratio Lower Upper
112 100
114 30.7 25.1 37.7





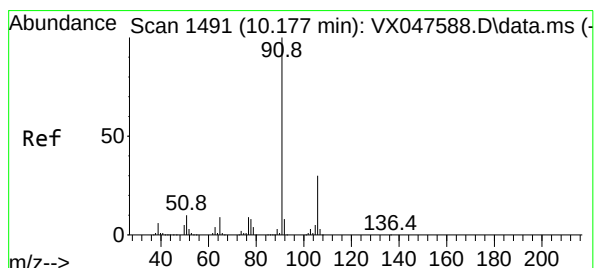
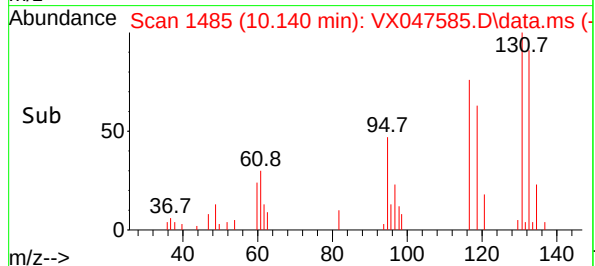
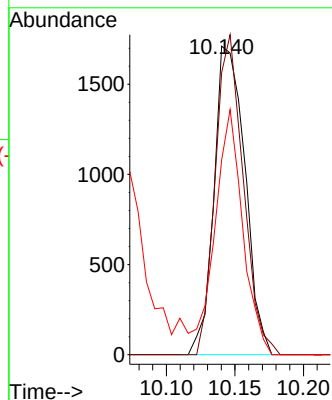
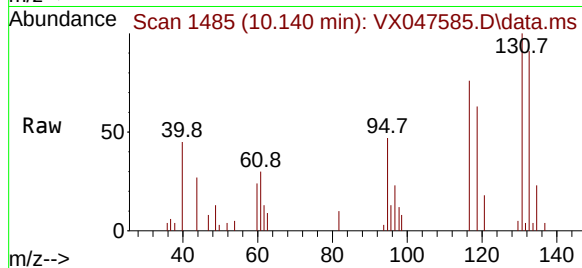
#66
1,1,1,2-Tetrachloroethane
Concen: 0.833 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:131 Resp: 2684
Ion Ratio Lower Upper
131 100
133 93.9 47.3 142.0
119 0.0 32.0 96.0

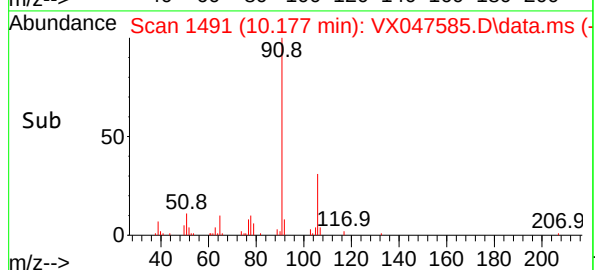
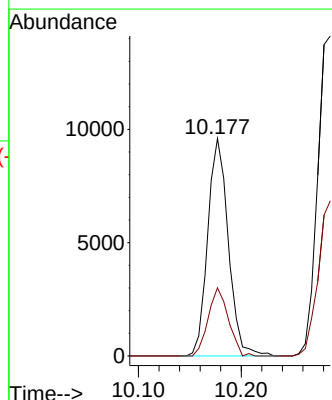
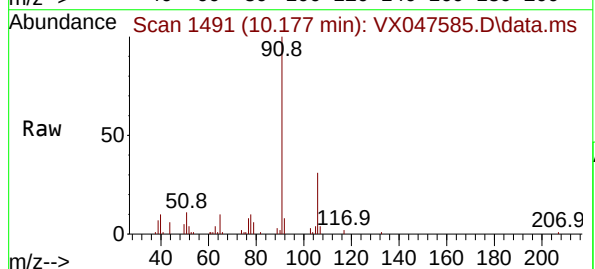
Manual Integrations
APPROVED

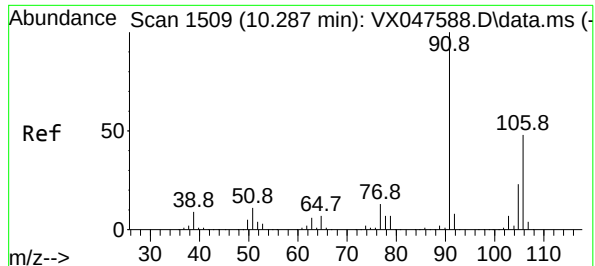
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#67
Ethyl Benzene
Concen: 0.829 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 13360
Ion Ratio Lower Upper
91 100
106 31.3 24.3 36.5





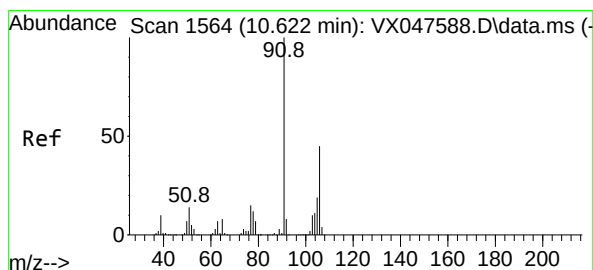
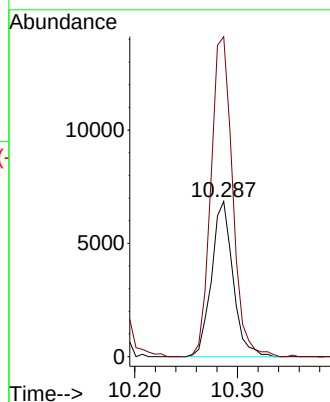
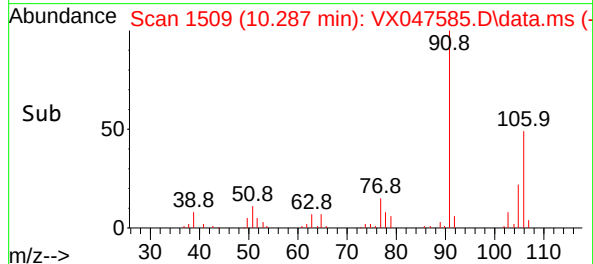
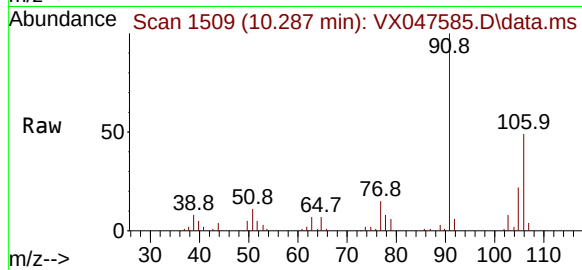
#68
m/p-Xylenes
Concen: 1.655 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 992
Ion Ratio Lower Upper
106 100
91 208.5 167.8 251.8

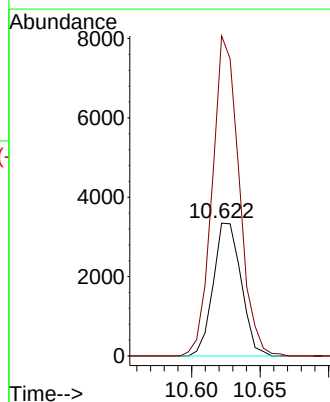
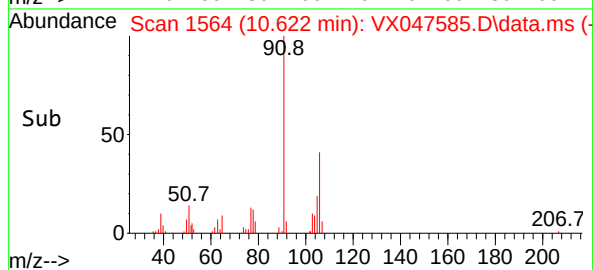
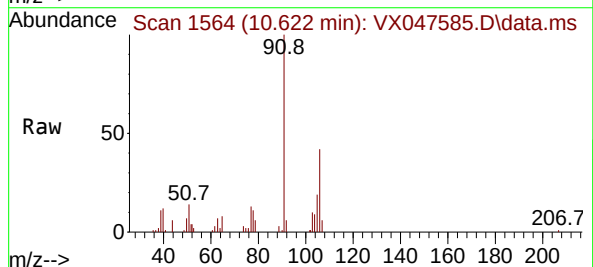
Manual Integrations
APPROVED

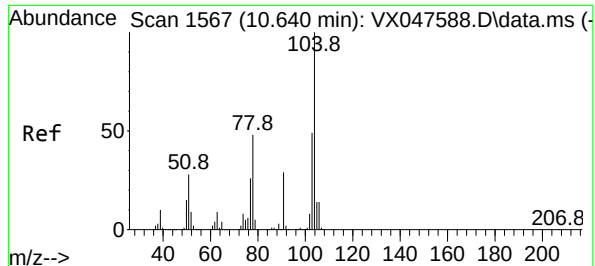
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#69
o-Xylene
Concen: 0.816 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:106 Resp: 4734
Ion Ratio Lower Upper
106 100
91 232.4 111.1 333.4





#70

Styrene

Concen: 0.824 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

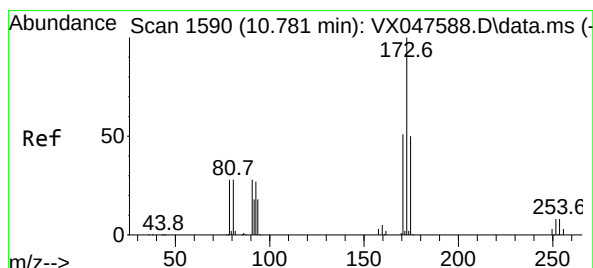
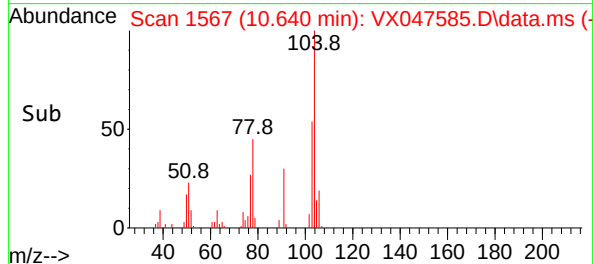
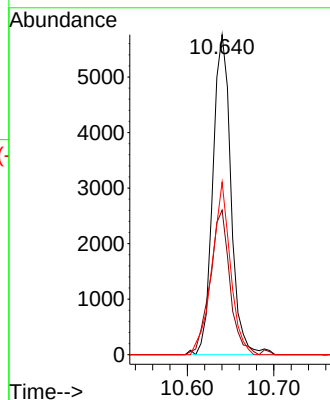
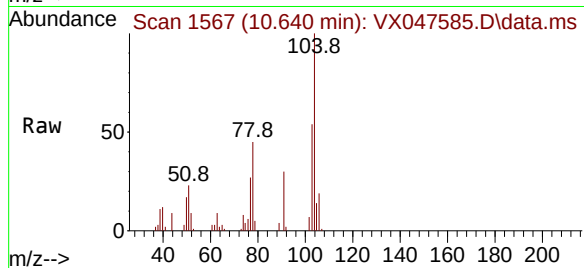
VSTDICC001

Tgt Ion:	104	Resp:	837
Ion Ratio	Lower	Upper	
104	100		
78	49.5	43.1	64.7
103	55.0	43.1	64.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#71

Bromoform

Concen: 0.755 ug/l

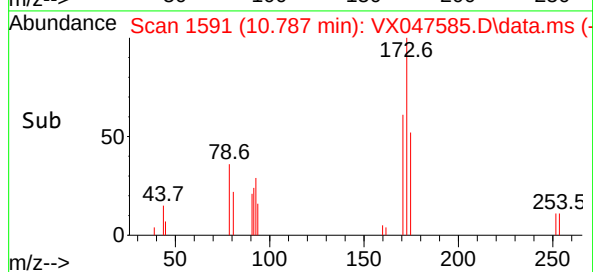
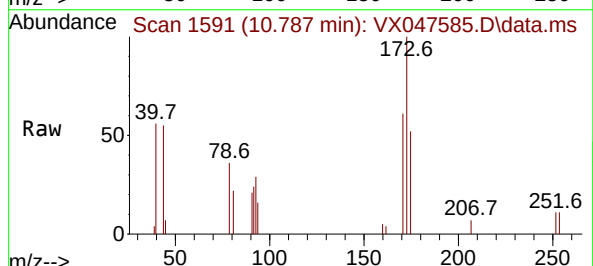
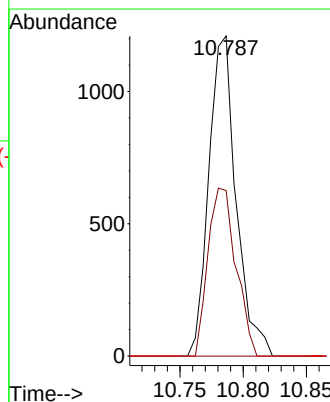
RT: 10.787 min Scan# 1591

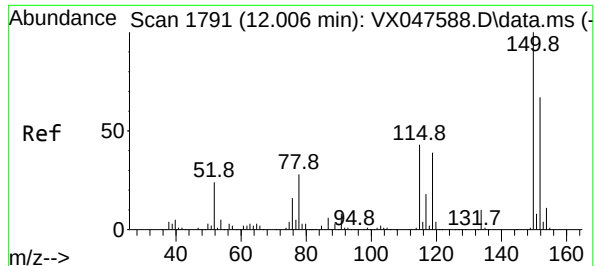
Delta R.T. 0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion:	173	Resp:	1816
Ion Ratio	Lower	Upper	
173	100		
175	53.8	24.9	74.6
254	0.0	0.1	0.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion:152 Resp: 201970

Ion Ratio Lower Upper

152 100

115 64.2 44.9 134.5

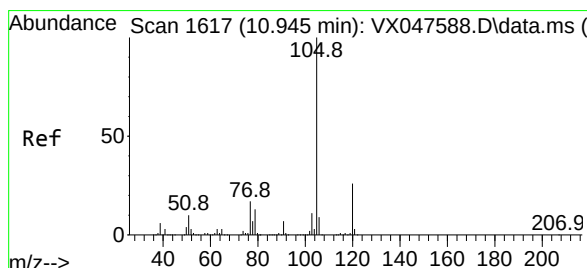
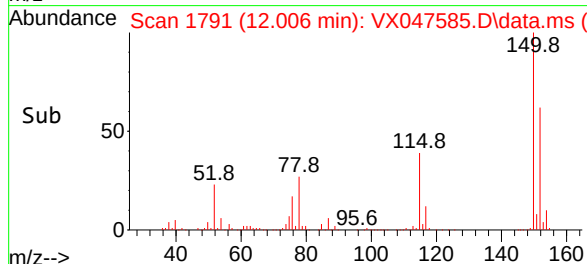
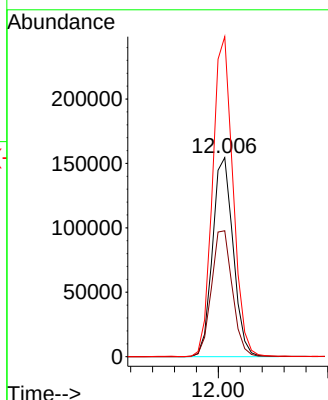
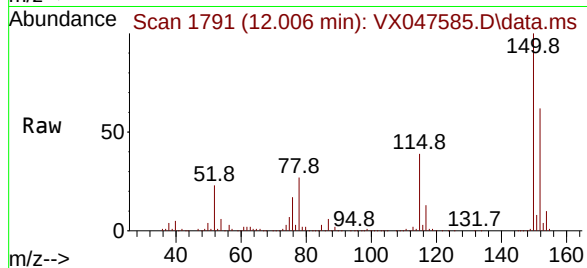
150 158.7 0.0 352.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#73

Isopropylbenzene

Concen: 0.822 ug/l

RT: 10.945 min Scan# 1617

Delta R.T. -0.000 min

Lab File: VX047585.D

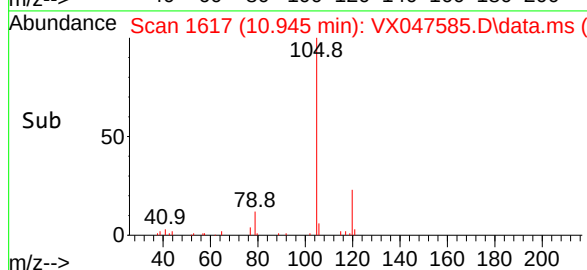
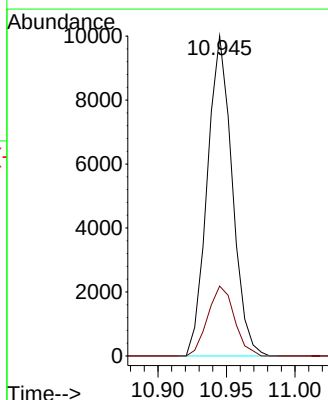
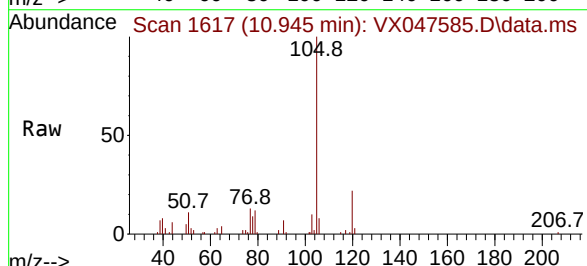
Acq: 16 Sep 2025 09:23

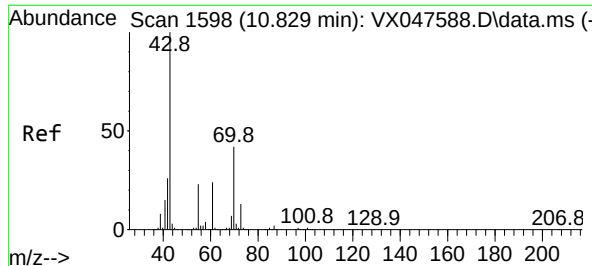
Tgt Ion:105 Resp: 12618

Ion Ratio Lower Upper

105 100

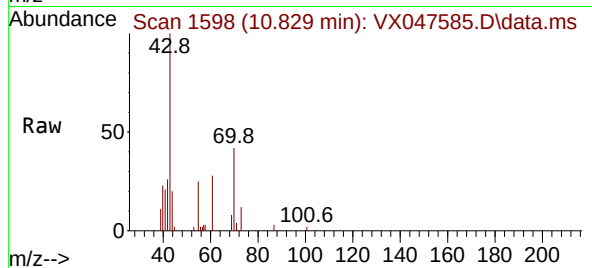
120 23.4 12.8 38.4





#74
N-amy1 acetate
Concen: 0.737 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

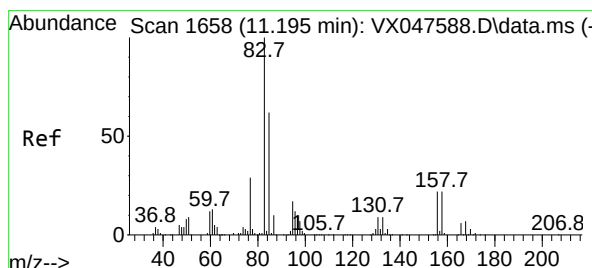
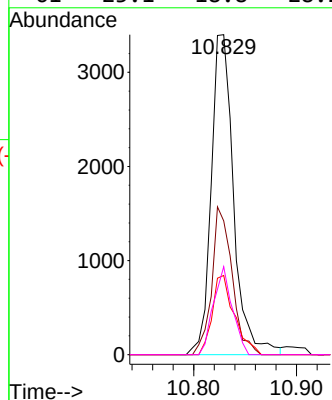
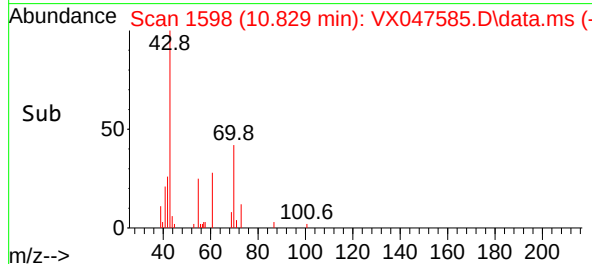
Instrument :
MSVOA_X
ClientSampled :
VSTDICC001



Tgt Ion: 43 Resp: 515
Ion Ratio Lower Upper
43 100
70 41.7 32.0 48.0
55 24.3 18.9 28.3
61 23.1 18.8 28.2

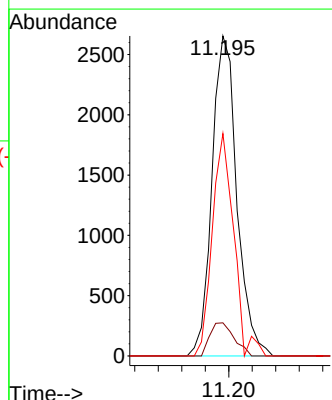
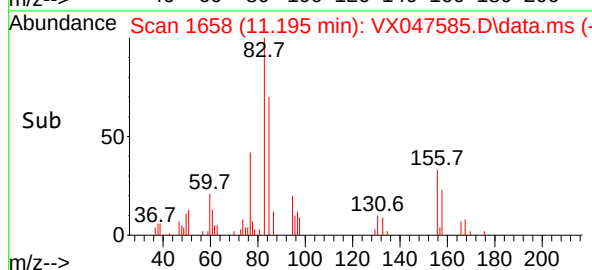
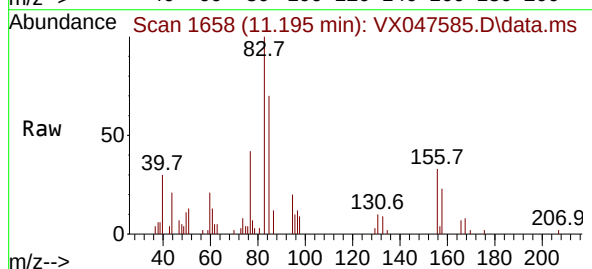
Manual Integrations
APPROVED

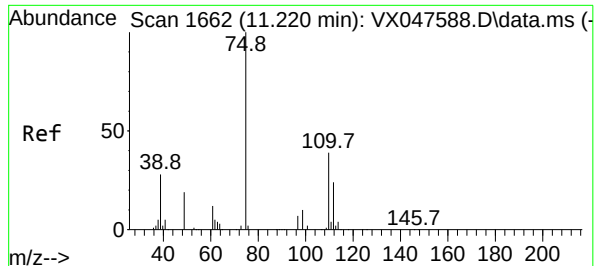
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#75
1,1,2,2-Tetrachloroethane
Concen: 0.839 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 3900
Ion Ratio Lower Upper
83 100
131 10.1 5.0 14.9
85 59.8 31.6 95.0





#76

1,2,3-Trichloropropane

Concen: 0.816 ug/l m

RT: 11.225 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 342

Ion Ratio Lower Upper

75 100

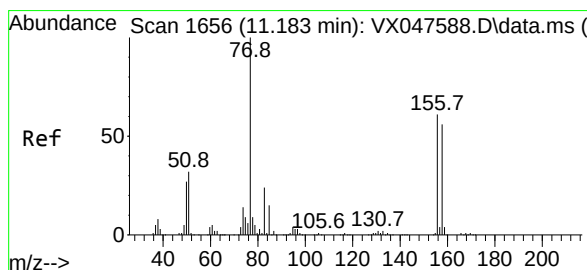
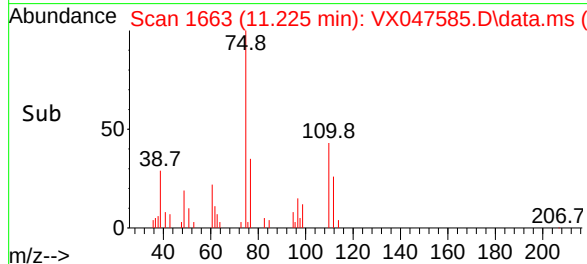
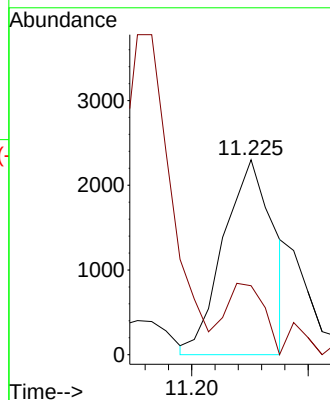
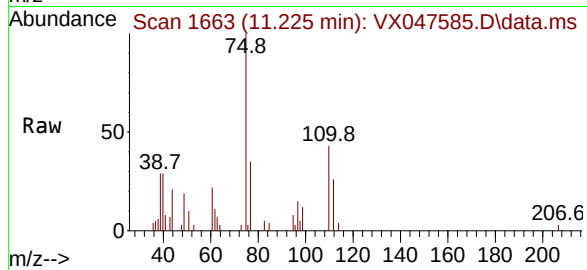
77 34.6 18.8 56.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#77

Bromobenzene

Concen: 0.811 ug/l

RT: 11.183 min Scan# 1656

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

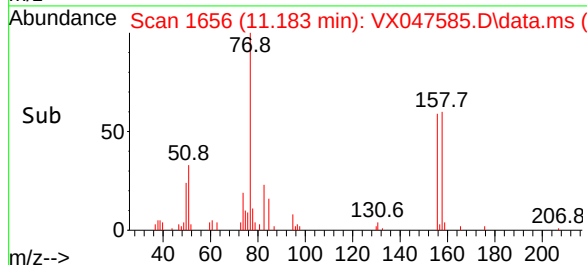
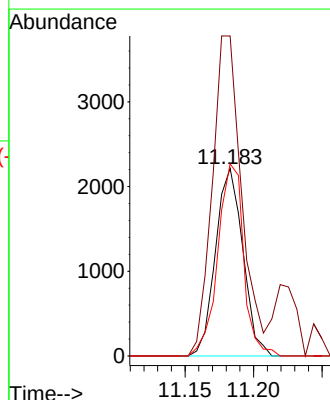
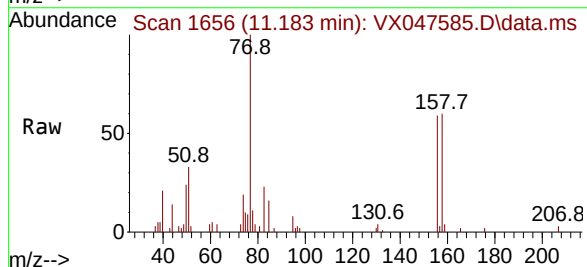
Tgt Ion:156 Resp: 3069

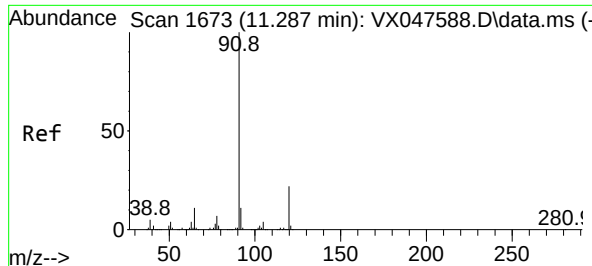
Ion Ratio Lower Upper

156 100

77 182.3 89.7 269.1

158 96.6 47.9 143.6





#78

n-propylbenzene

Concen: 0.819 ug/l

RT: 11.286 min Scan# 1673

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 1486

Ion Ratio Lower Upper

91 100

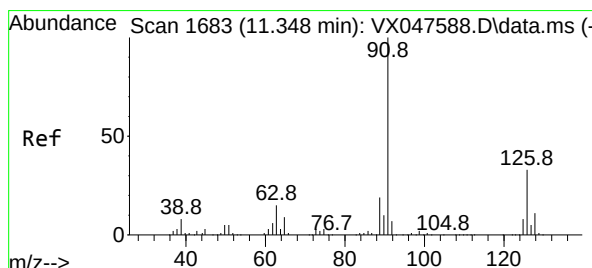
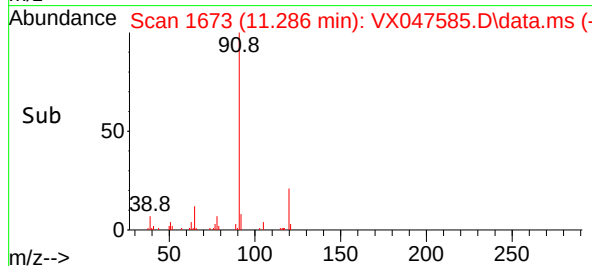
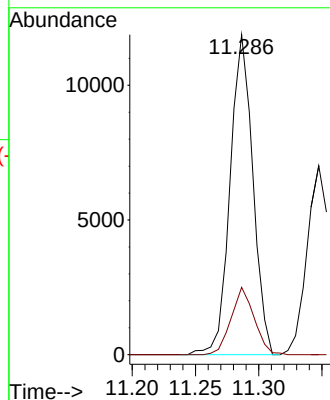
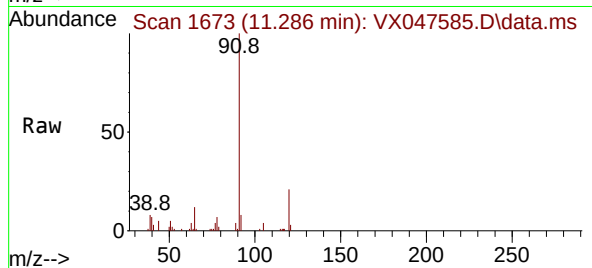
120 21.4 11.1 33.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#79

2-Chlorotoluene

Concen: 0.827 ug/l

RT: 11.347 min Scan# 1683

Delta R.T. -0.000 min

Lab File: VX047585.D

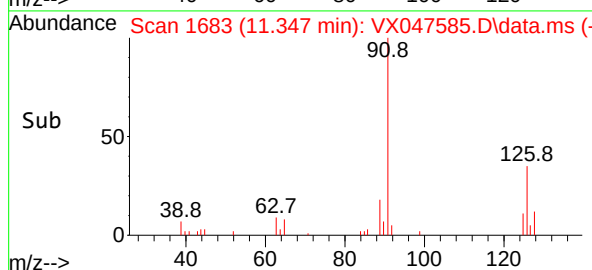
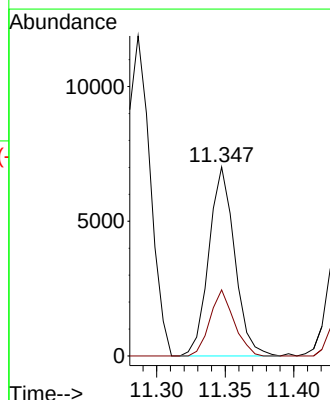
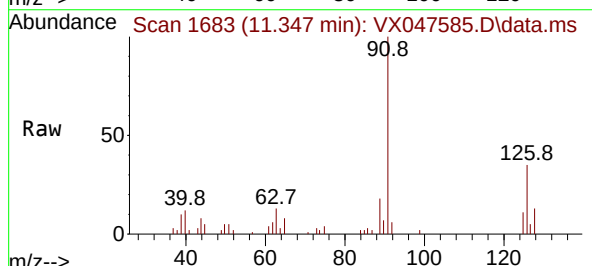
Acq: 16 Sep 2025 09:23

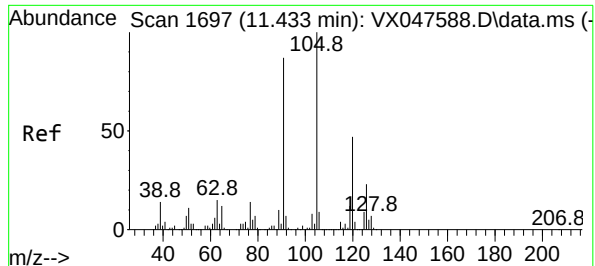
Tgt Ion: 91 Resp: 9195

Ion Ratio Lower Upper

91 100

126 32.5 16.1 48.3





#80

1,3,5-Trimethylbenzene

Concen: 0.787 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 9929

Ion Ratio Lower Upper

105 100

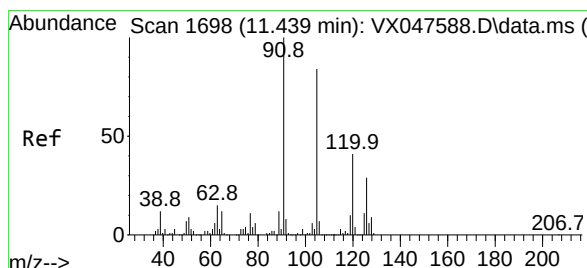
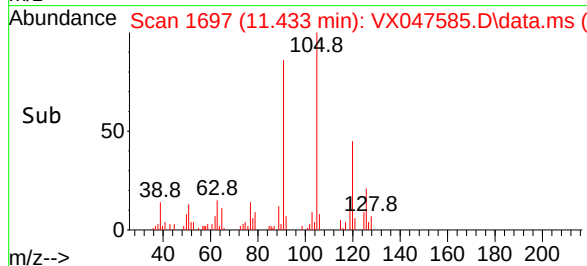
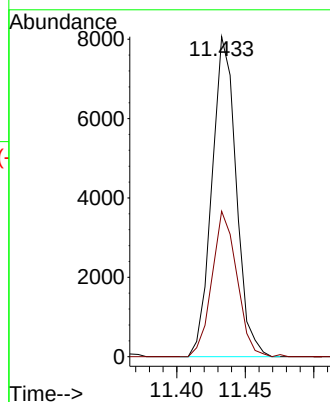
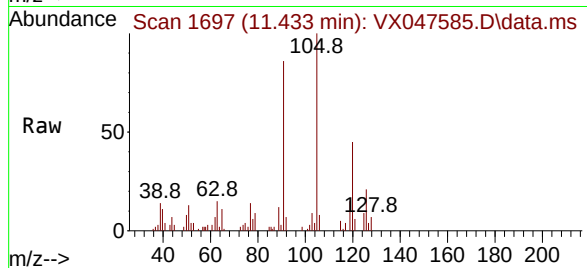
120 46.7 23.6 70.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#82

4-Chlorotoluene

Concen: 0.847 ug/l

RT: 11.439 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VX047585.D

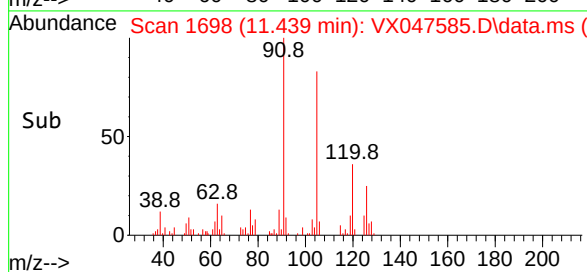
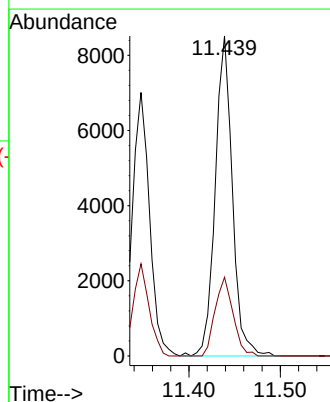
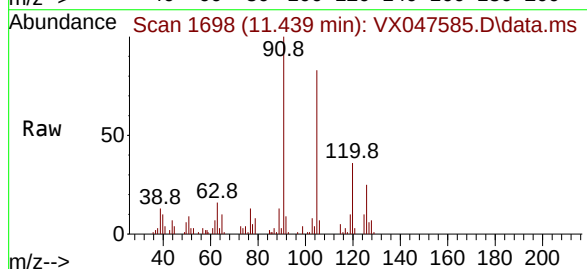
Acq: 16 Sep 2025 09:23

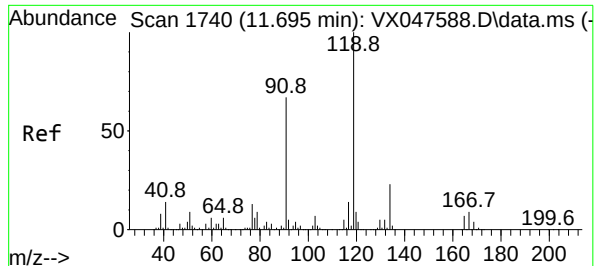
Tgt Ion: 91 Resp: 11123

Ion Ratio Lower Upper

91 100

126 25.8 14.2 42.6





#83

tert-Butylbenzene

Concen: 0.876 ug/l

RT: 11.695 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

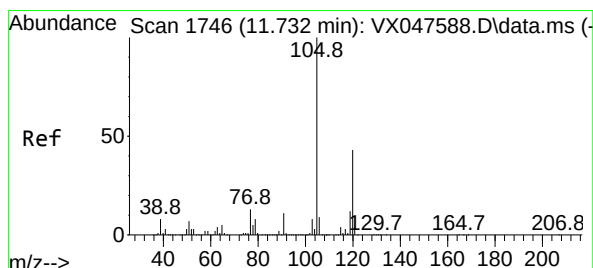
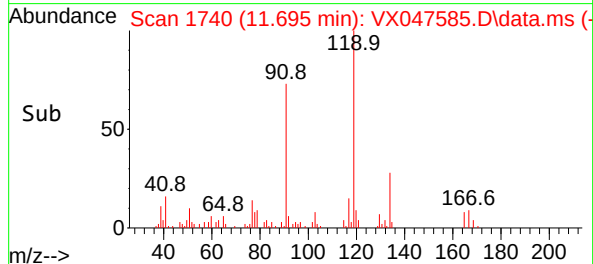
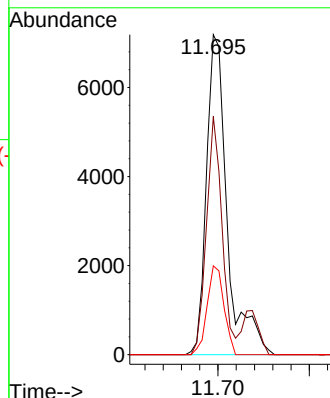
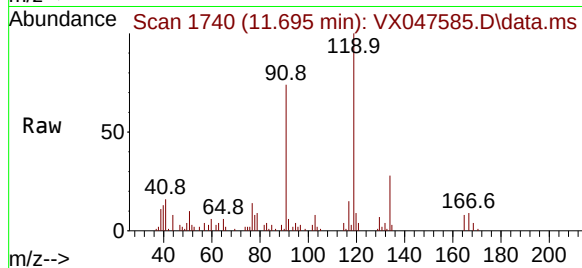
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
119	100		
91	56.1	29.6	88.8
134	22.5	11.0	33.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#84

1,2,4-Trimethylbenzene

Concen: 0.796 ug/l

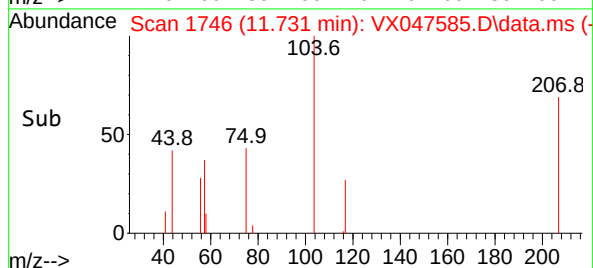
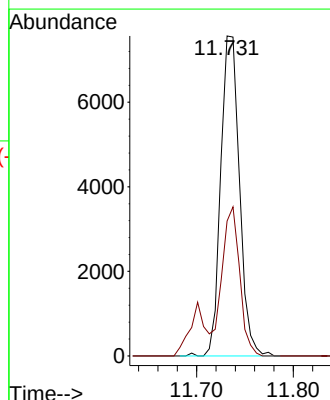
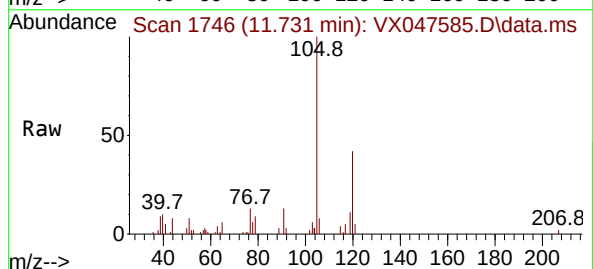
RT: 11.731 min Scan# 1746

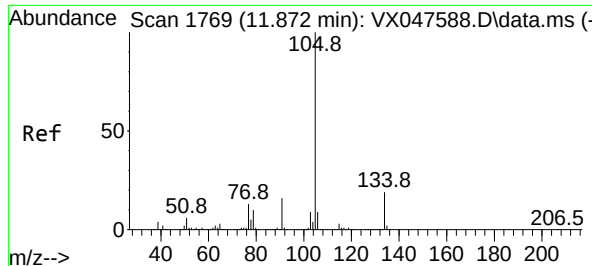
Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.1





#85

sec-Butylbenzene

Concen: 0.819 ug/l

RT: 11.872 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 1256

Ion Ratio Lower Upper

105 100

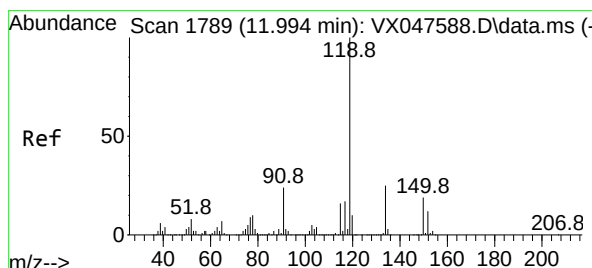
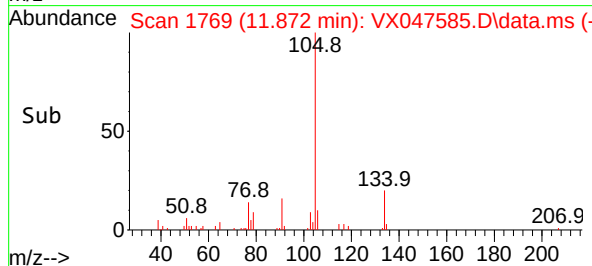
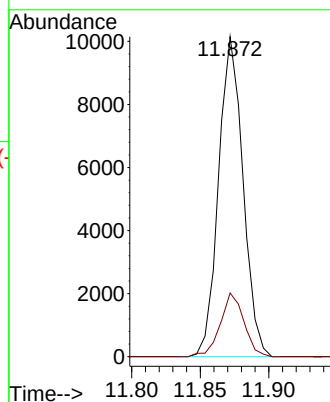
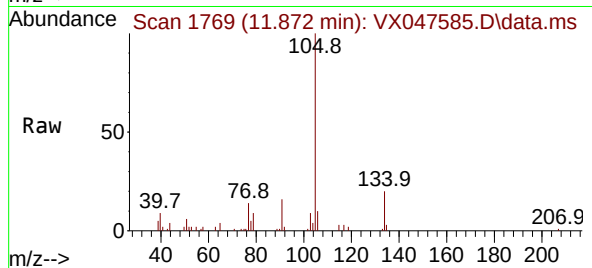
134 19.3 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#86

p-Isopropyltoluene

Concen: 0.827 ug/l

RT: 11.994 min Scan# 1789

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

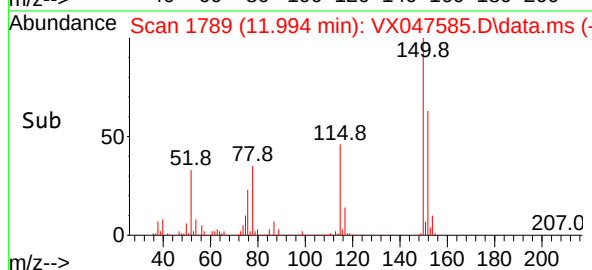
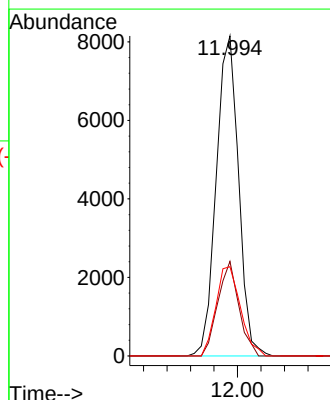
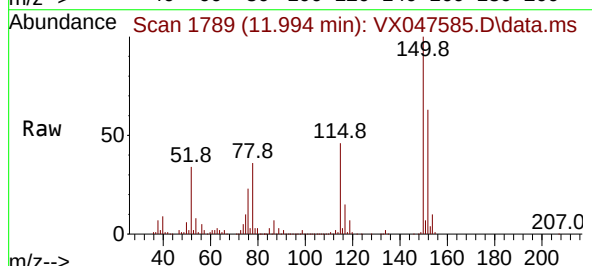
Tgt Ion:119 Resp: 10744

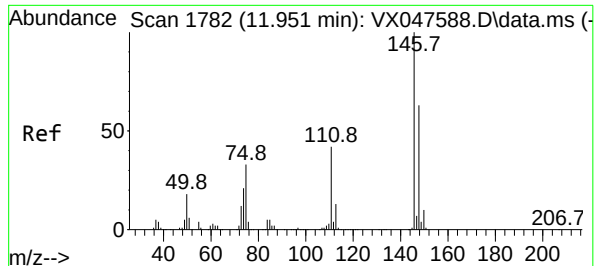
Ion Ratio Lower Upper

119 100

134 27.9 12.6 37.8

91 30.8 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 0.841 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

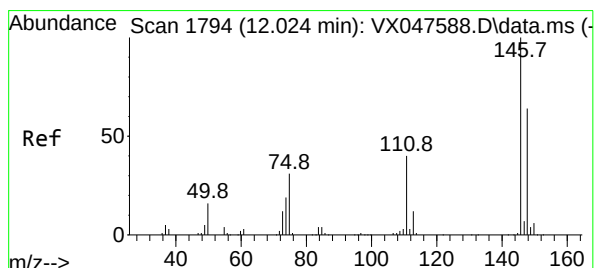
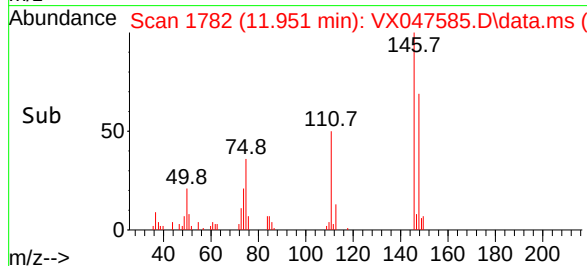
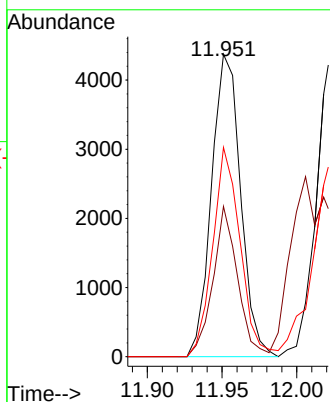
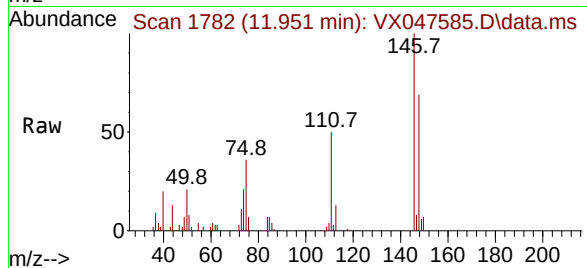
VSTDIC001

Tgt Ion:	146	Resp:	590
Ion Ratio	Lower	Upper	
146	100		
111	42.2	21.5	64.5
148	65.5	32.0	96.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#88

1,4-Dichlorobenzene

Concen: 0.880 ug/l m

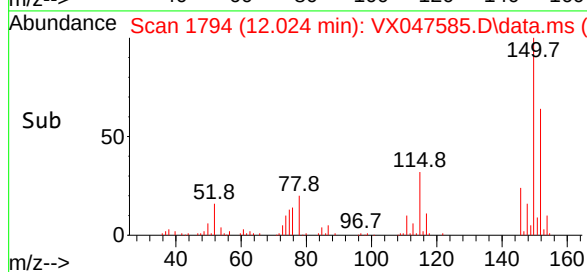
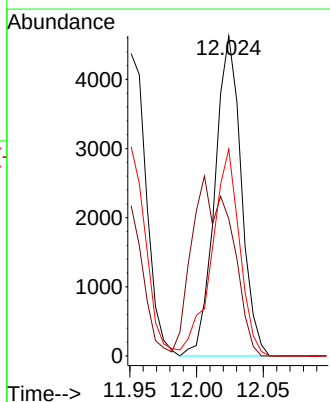
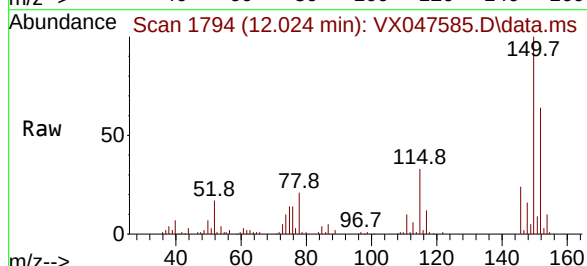
RT: 12.024 min Scan# 1794

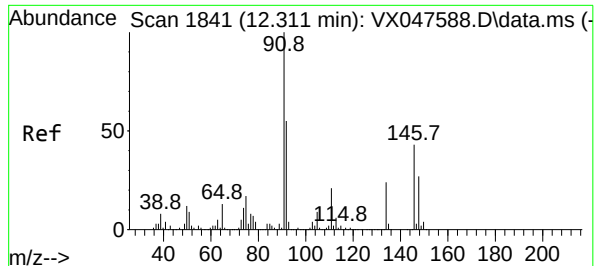
Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion:	146	Resp:	6341
Ion Ratio	Lower	Upper	
146	100		
111	39.3	20.8	62.4
148	61.1	31.7	95.1





#89

n-Butylbenzene

Concen: 0.816 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

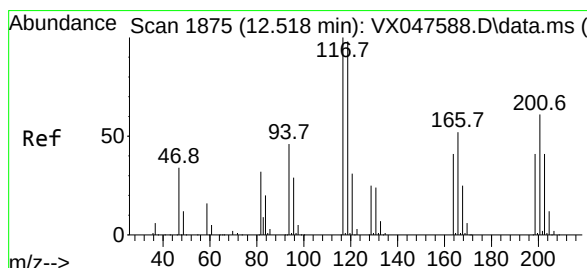
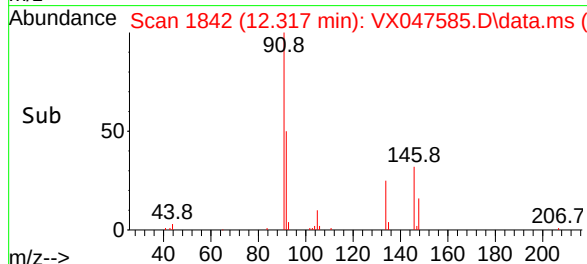
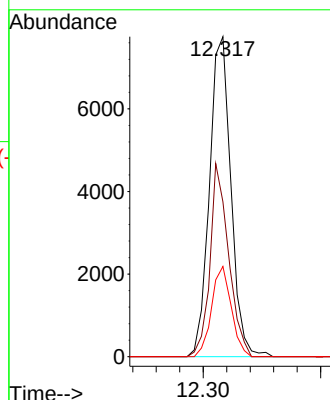
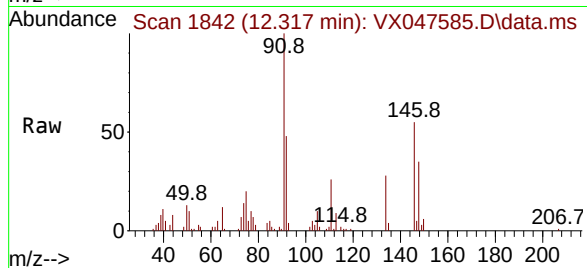
Tgt Ion:	91	Resp:	981
Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.6	82.7
134	25.9	12.6	37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#90

Hexachloroethane

Concen: 0.768 ug/l

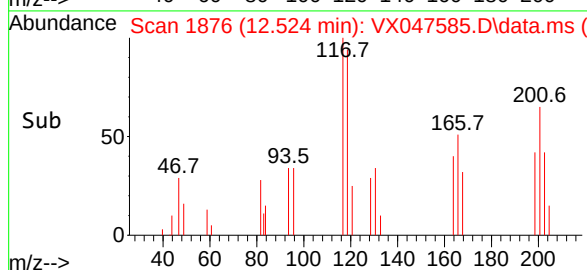
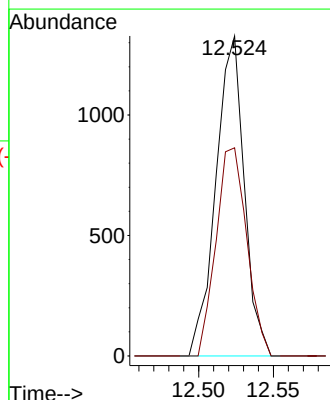
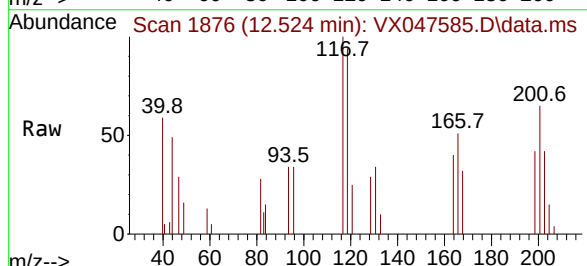
RT: 12.524 min Scan# 1876

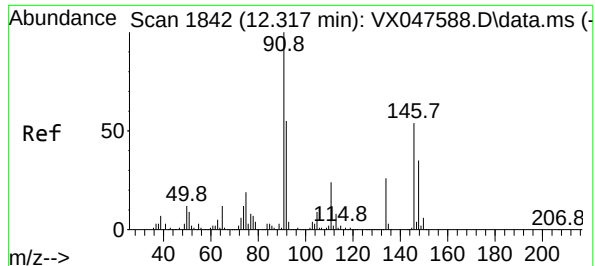
Delta R.T. 0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion:	117	Resp:	1752
Ion	Ratio	Lower	Upper
117	100		
201	70.4	34.2	102.5





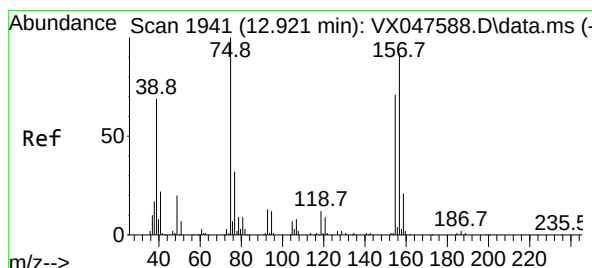
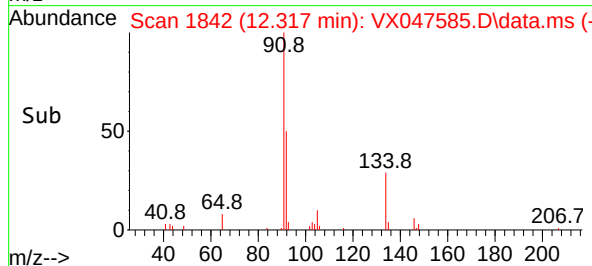
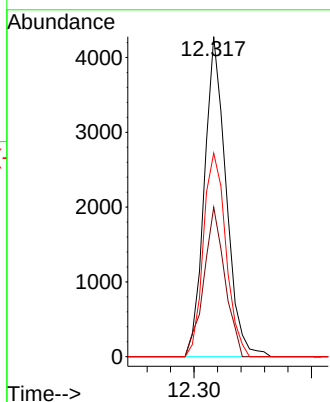
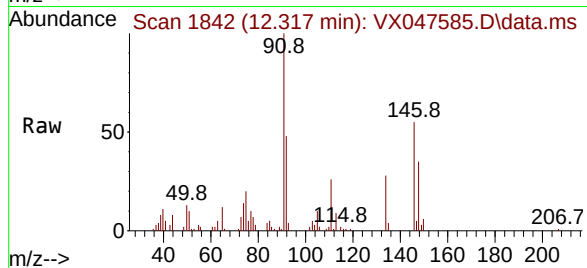
#91
1,2-Dichlorobenzene
Concen: 0.820 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.2	66.6
148	65.8	31.8	95.4

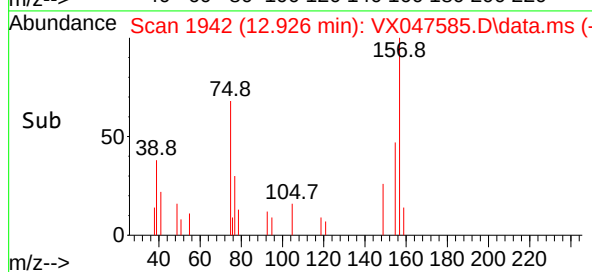
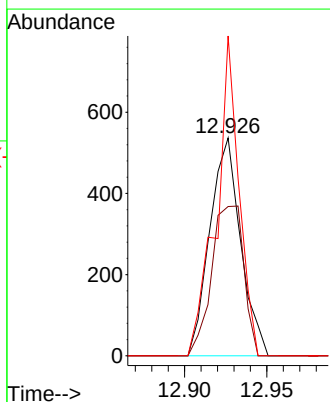
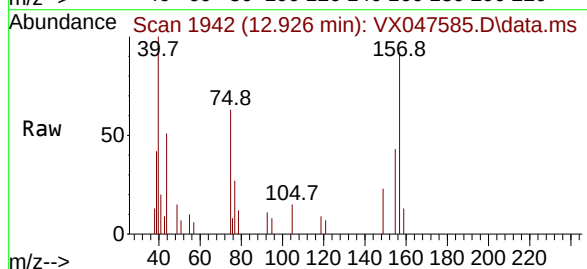
Manual Integrations
APPROVED

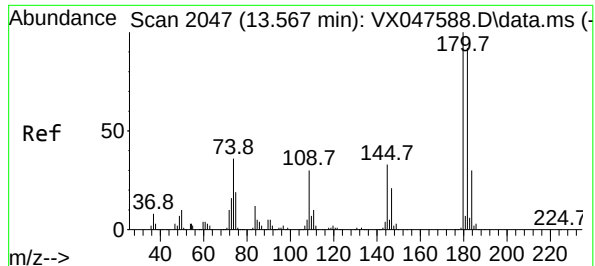
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.742 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.1	37.7	113.1
157	108.7	49.8	149.4





#93

1,2,4-Trichlorobenzene

Concen: 0.772 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

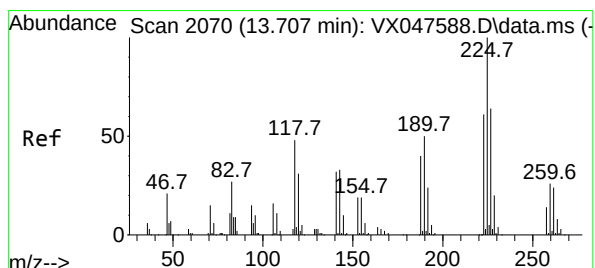
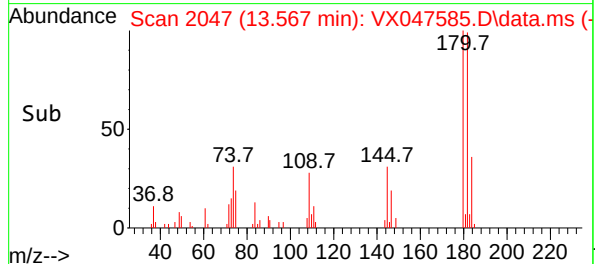
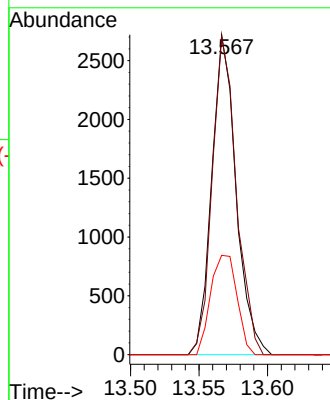
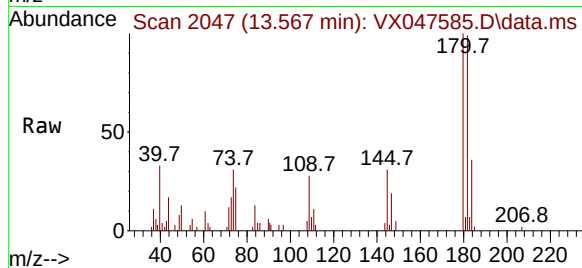
Tgt Ion:	180	Resp:	335
Ion Ratio	Lower	Upper	
180	100		
182	98.6	46.6	139.8
145	33.7	16.4	49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#94

Hexachlorobutadiene

Concen: 0.933 ug/l

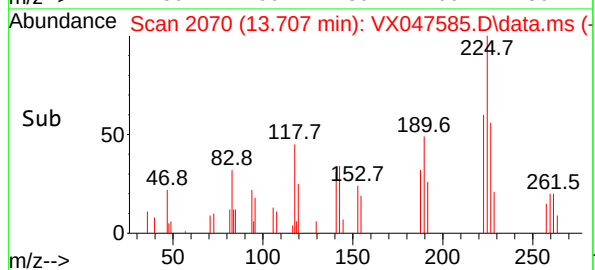
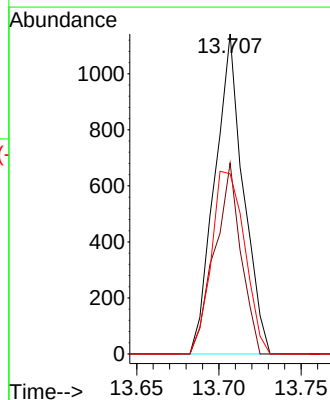
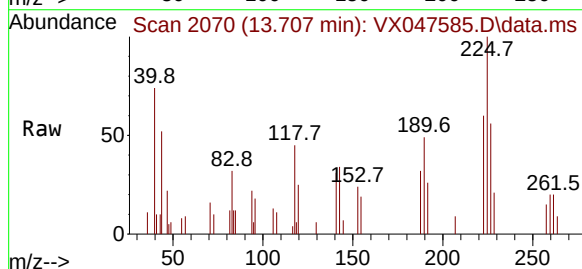
RT: 13.707 min Scan# 2070

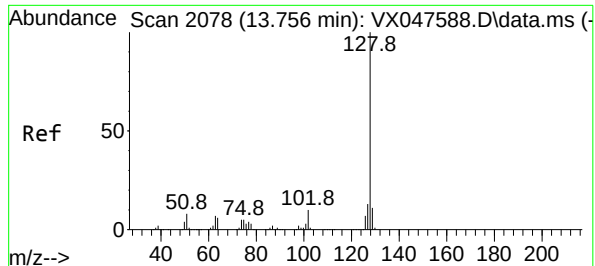
Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion:	225	Resp:	1378
Ion Ratio	Lower	Upper	
225	100		
223	54.8	31.7	95.1
227	66.7	32.0	96.0





#95

Naphthalene

Concen: 0.763 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

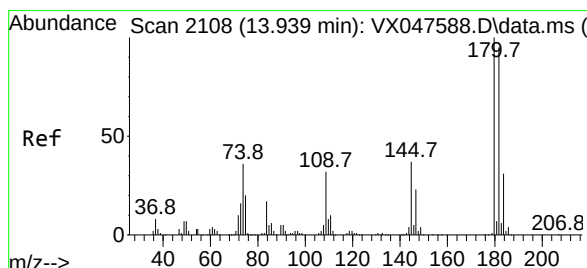
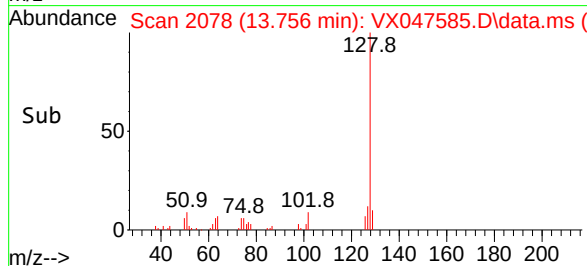
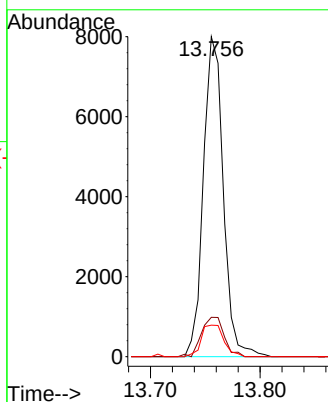
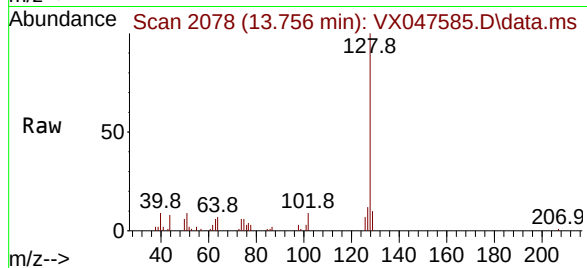
VSTDICC001

Tgt Ion:	128	Resp:	1011
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.2	15.2
129	11.2	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#96

1,2,3-Trichlorobenzene

Concen: 0.752 ug/l

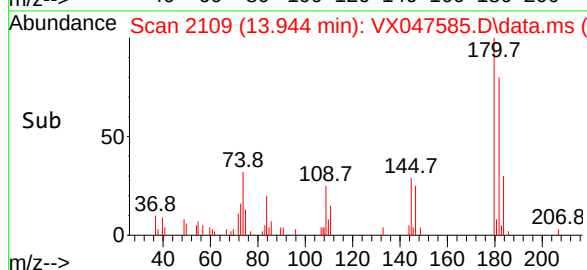
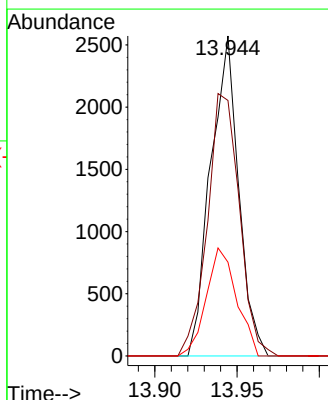
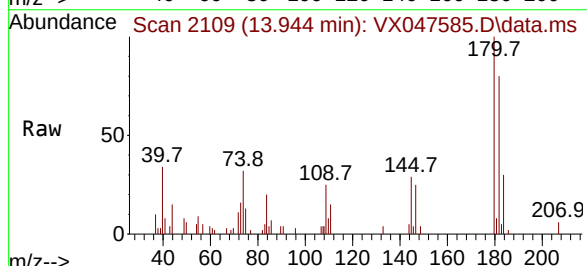
RT: 13.944 min Scan# 2109

Delta R.T. 0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion:	180	Resp:	3043
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.6	142.8
145	36.6	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047586.D
 Acq On : 16 Sep 2025 10:16
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Sep 17 06:10:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	198376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	355026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	317288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	156219	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	17538	5.554	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	11.100%#
35) Dibromofluoromethane	5.373	113	12647	5.312	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.620%#
50) Toluene-d8	8.635	98	43926	5.332	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	10.660%#
62) 4-Bromofluorobenzene	11.061	95	16974	5.429	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	10.860%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	11403	5.551	ug/l	93
3) Chloromethane	1.301	50	14854	5.502	ug/l	99
4) Vinyl Chloride	1.380	62	14147	5.353	ug/l	97
5) Bromomethane	1.618	94	9780	5.836	ug/l	87
6) Chloroethane	1.697	64	8926	5.053	ug/l	96
7) Trichlorofluoromethane	1.898	101	20497	5.223	ug/l	100
8) Diethyl Ether	2.136	74	8039	5.008	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	11729	5.112	ug/l	98
10) Methyl Iodide	2.453	142	17159	4.795	ug/l	98
11) Tert butyl alcohol	2.947	59	8399	23.883	ug/l	99
12) 1,1-Dichloroethene	2.325	96	12131	5.147	ug/l	91
13) Acrolein	2.239	56	7080	21.847	ug/l	95
14) Allyl chloride	2.666	41	25135	5.168	ug/l	99
15) Acrylonitrile	3.062	53	32587	25.016	ug/l	99
16) Acetone	2.374	43	41297	30.079	ug/l	97
17) Carbon Disulfide	2.514	76	34426	5.335	ug/l	100
18) Methyl Acetate	2.703	43	13357	4.371	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	44396	5.160	ug/l	98
20) Methylene Chloride	2.788	84	15307	5.267	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	13937	5.492	ug/l	97
22) Diisopropyl ether	3.757	45	50213	5.327	ug/l	98
23) Vinyl Acetate	3.715	43	192175	25.474	ug/l	99
24) 1,1-Dichloroethane	3.611	63	26292	5.248	ug/l	97
25) 2-Butanone	4.544	43	46651	27.240	ug/l	92
26) 2,2-Dichloropropane	4.465	77	21738	5.220	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	15996	5.147	ug/l	98
28) Bromochloromethane	4.891	49	12047	5.508	ug/l	95
29) Tetrahydrofuran	4.995	42	26729	25.944	ug/l	92
30) Chloroform	5.080	83	27054	5.344	ug/l	99
31) Cyclohexane	5.458	56	23032	5.520	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	22279	5.188	ug/l	96
36) 1,1-Dichloropropene	5.684	75	18455	5.304	ug/l	98
37) Ethyl Acetate	4.708	43	19913	5.345	ug/l #	97
38) Carbon Tetrachloride	5.666	117	20376	5.390	ug/l	96
39) Methylcyclohexane	7.367	83	20900	5.292	ug/l	97
40) Benzene	6.019	78	55996	5.299	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047586.D
 Acq On : 16 Sep 2025 10:16
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 17 06:10:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	9390	4.883	ug/l	95
42) 1,2-Dichloroethane	6.074	62	21117	5.252	ug/l	99
43) Isopropyl Acetate	6.324	43	31304	5.124	ug/l	99
44) Trichloroethene	7.111	130	13576	5.314	ug/l	97
45) 1,2-Dichloropropane	7.415	63	14305	5.287	ug/l	99
46) Dibromomethane	7.568	93	10133	5.146	ug/l	99
47) Bromodichloromethane	7.806	83	21270	5.235	ug/l	99
48) Methyl methacrylate	7.677	41	14959	4.915	ug/l	99
49) 1,4-Dioxane	7.653	88	3017	98.096	ug/l #	90
51) 4-Methyl-2-Pentanone	8.555	43	87492	25.828	ug/l	100
52) Toluene	8.702	92	34314	5.271	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	20863	5.034	ug/l	97
54) cis-1,3-Dichloropropene	8.354	75	23157	5.227	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	12968	5.166	ug/l	91
56) Ethyl methacrylate	9.104	69	19980	5.068	ug/l	97
57) 1,3-Dichloropropane	9.293	76	22989	5.331	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	37585	27.899	ug/l	98
59) 2-Hexanone	9.415	43	66356	27.275	ug/l	99
60) Dibromochloromethane	9.506	129	14705	5.084	ug/l	95
61) 1,2-Dibromoethane	9.592	107	13461	5.264	ug/l	98
64) Tetrachloroethene	9.256	164	11228	5.428	ug/l	97
65) Chlorobenzene	10.061	112	37507	5.203	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.147	131	12807	5.149	ug/l	99
67) Ethyl Benzene	10.177	91	65908	5.299	ug/l	100
68) m/p-Xylenes	10.287	106	49132	10.613	ug/l	99
69) o-Xylene	10.628	106	23300	5.204	ug/l	98
70) Styrene	10.640	104	40872	5.210	ug/l	99
71) Bromoform	10.781	173	9298	5.006	ug/l #	97
73) Isopropylbenzene	10.945	105	61029	5.139	ug/l	100
74) N-amyl acetate	10.823	43	26969	4.980	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	18462	5.138	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	15982m	4.927	ug/l	
77) Bromobenzene	11.183	156	15066	5.150	ug/l	99
78) n-propylbenzene	11.287	91	72900	5.192	ug/l	100
79) 2-Chlorotoluene	11.348	91	44663	5.194	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	50535	5.179	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	5413	4.364	ug/l	91
82) 4-Chlorotoluene	11.439	91	52294	5.149	ug/l	100
83) tert-Butylbenzene	11.695	119	50350	5.041	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	51583	5.214	ug/l	100
85) sec-Butylbenzene	11.872	105	62507	5.268	ug/l	99
86) p-Isopropyltoluene	11.994	119	52674	5.244	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	28116	5.175	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	29519	5.294	ug/l	93
89) n-Butylbenzene	12.317	91	47953	5.159	ug/l	99
90) Hexachloroethane	12.518	117	8830	5.007	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	26409	5.102	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	3412	4.690	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	17167	5.103	ug/l	98
94) Hexachlorobutadiene	13.707	225	5894	5.158	ug/l	99
95) Naphthalene	13.756	128	49257	4.808	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	15400	4.921	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

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

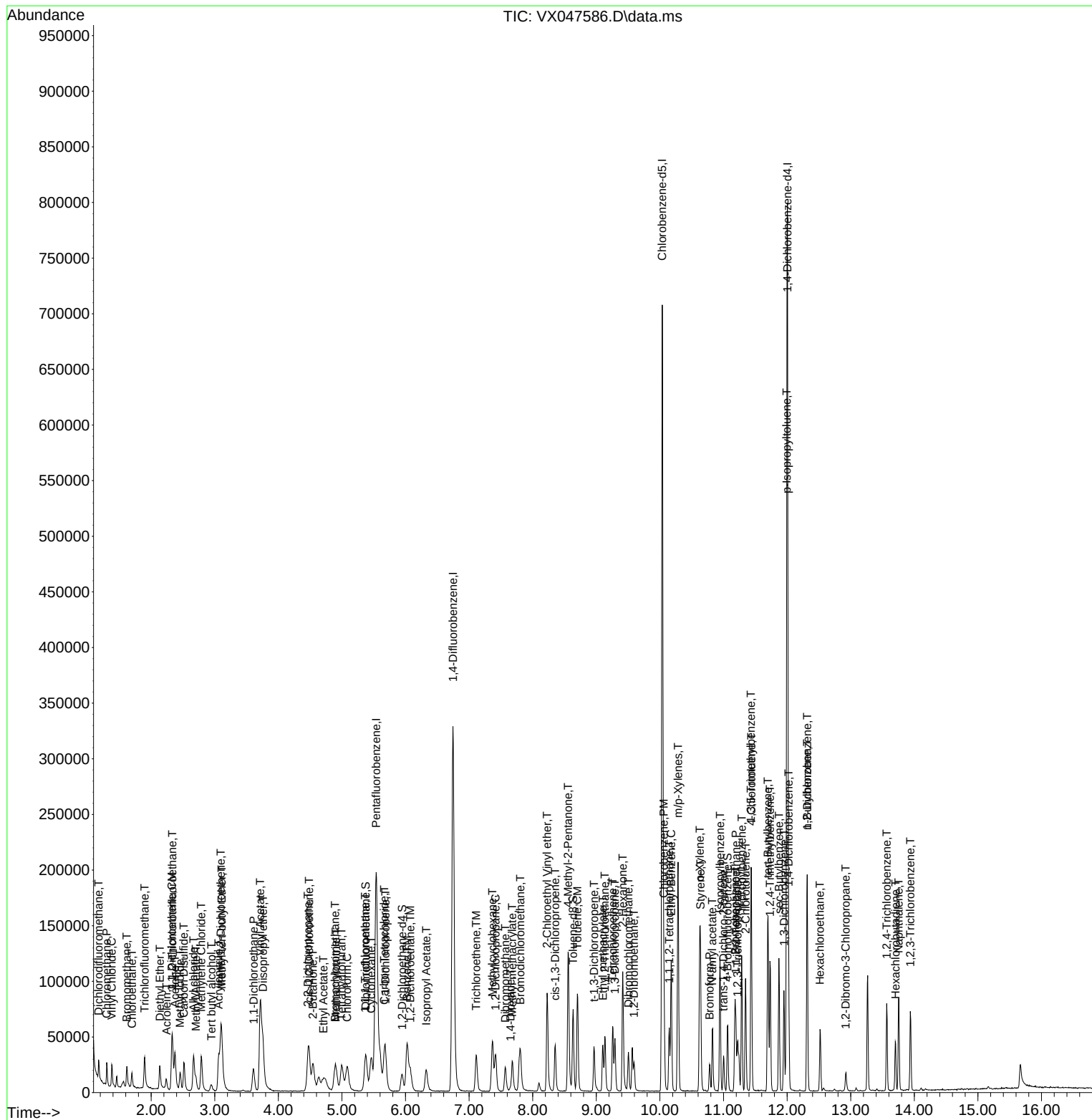
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Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

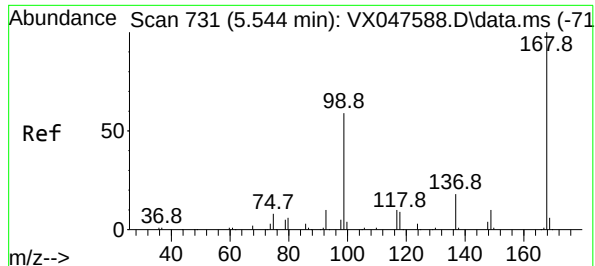
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration





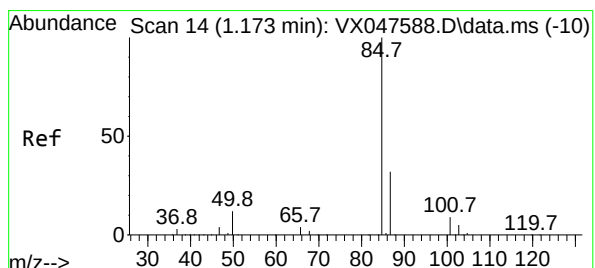
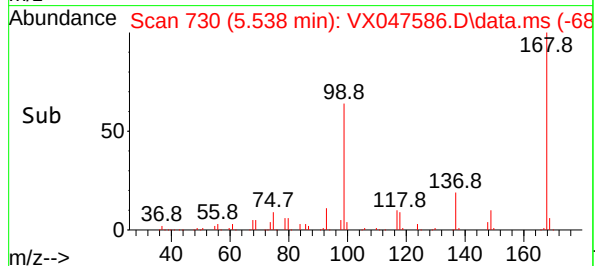
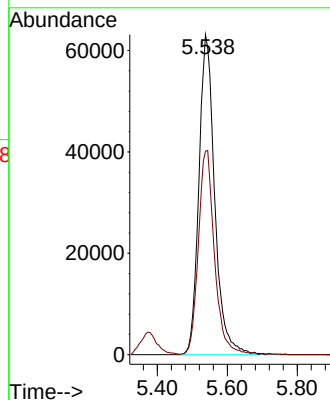
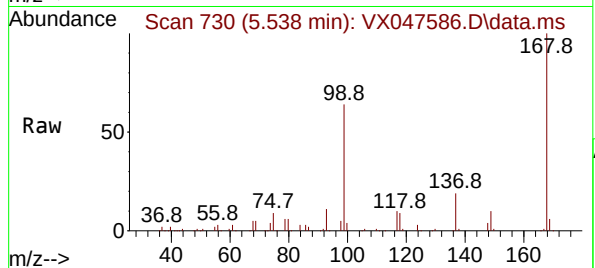
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 198370
Ion Ratio Lower Upper
168 100
99 63.5 48.8 73.2

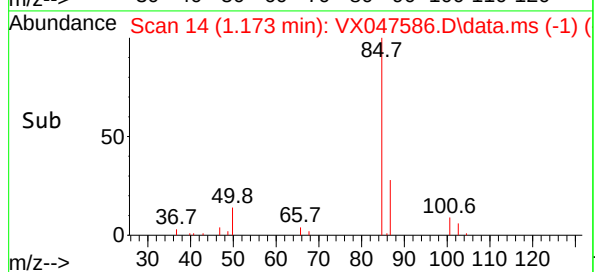
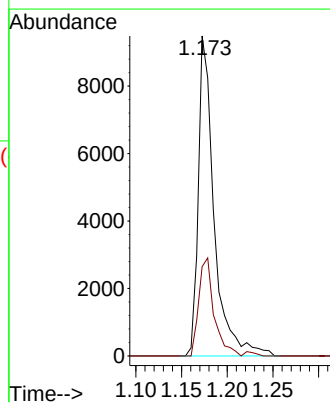
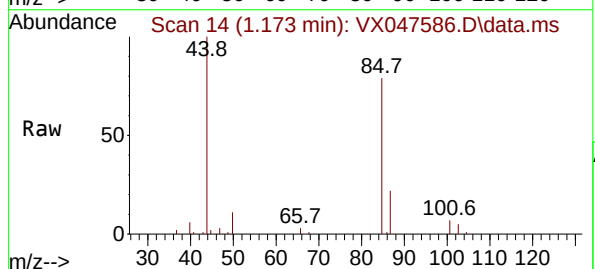
Manual Integrations
APPROVED

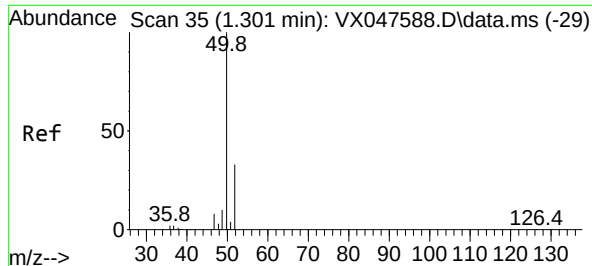
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#2
Dichlorodifluoromethane
Concen: 5.551 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 85 Resp: 11403
Ion Ratio Lower Upper
85 100
87 27.9 15.8 47.3





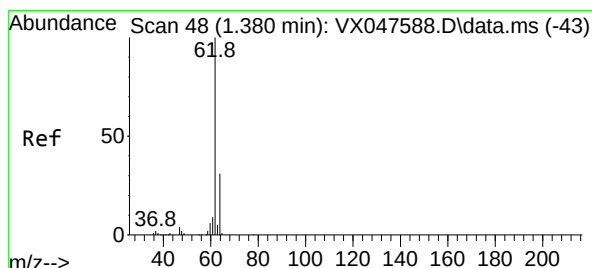
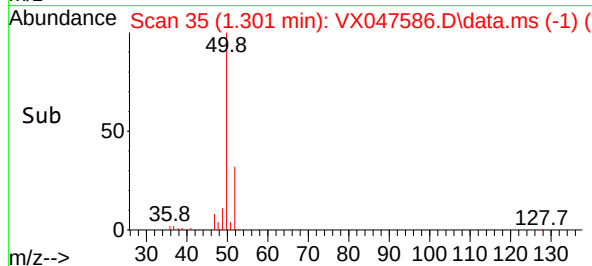
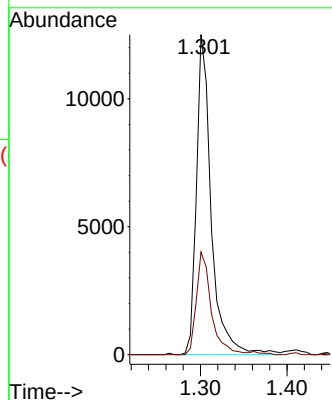
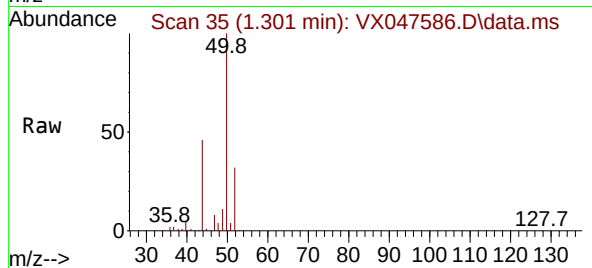
#3
Chloromethane
Concen: 5.502 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 14854
Ion Ratio Lower Upper
50 100
52 32.0 26.1 39.1

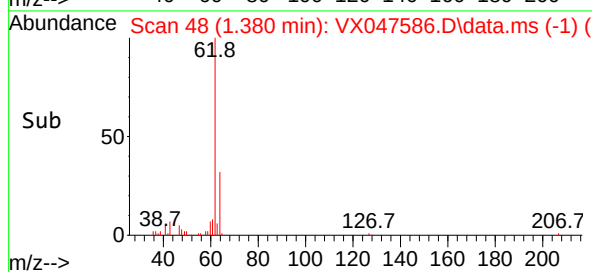
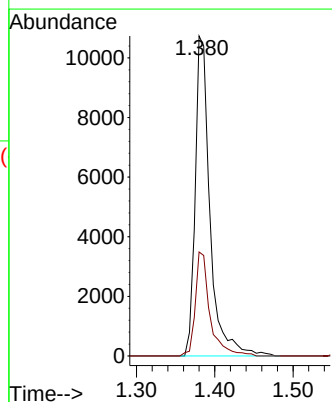
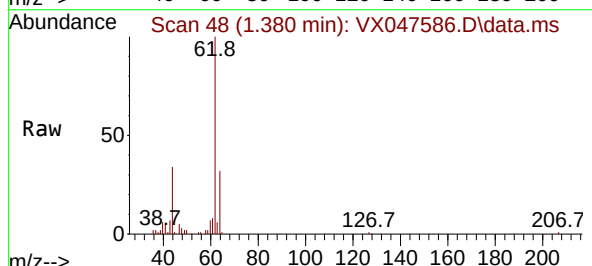
Manual Integrations
APPROVED

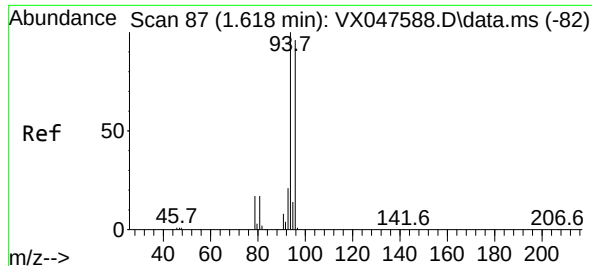
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#4
Vinyl Chloride
Concen: 5.353 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 14147
Ion Ratio Lower Upper
62 100
64 32.5 24.9 37.3





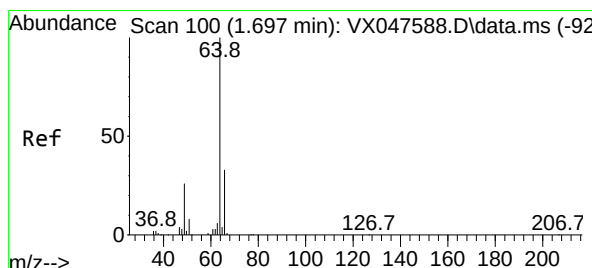
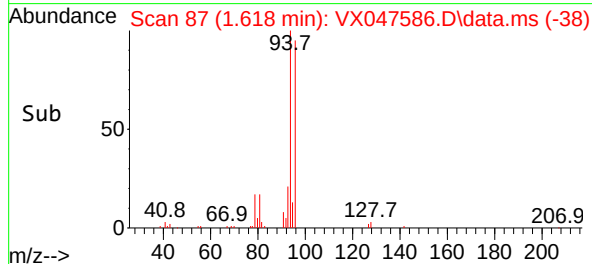
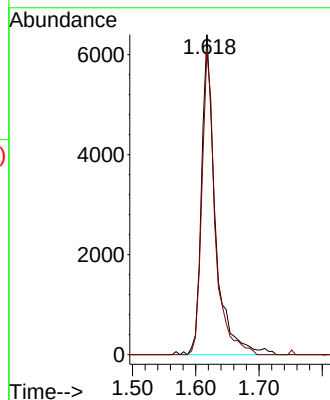
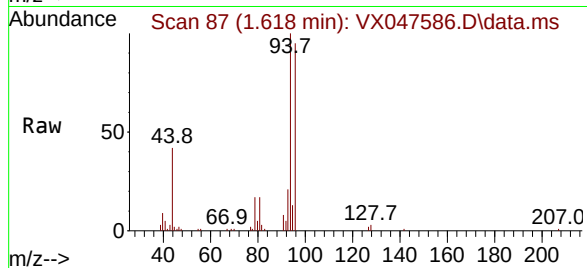
#5
Bromomethane
Concen: 5.836 ug/l
RT: 1.618 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 9780
Ion Ratio Lower Upper
94 100
96 83.6 76.6 115.0

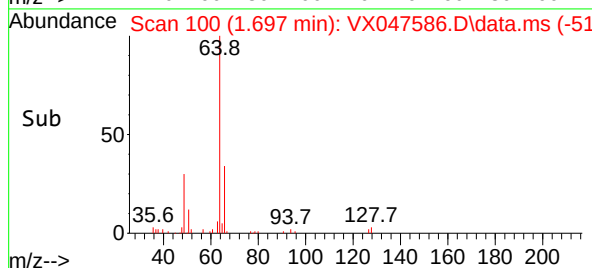
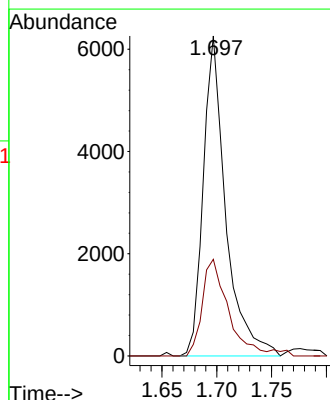
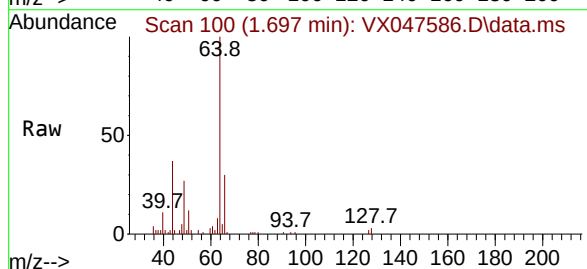
Manual Integrations
APPROVED

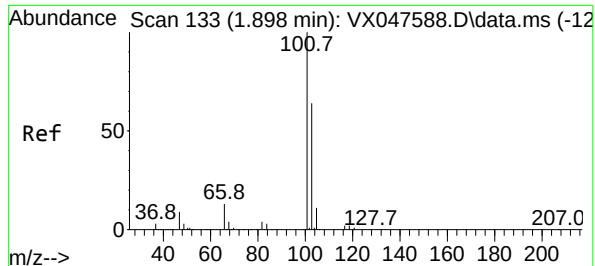
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#6
Chloroethane
Concen: 5.053 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

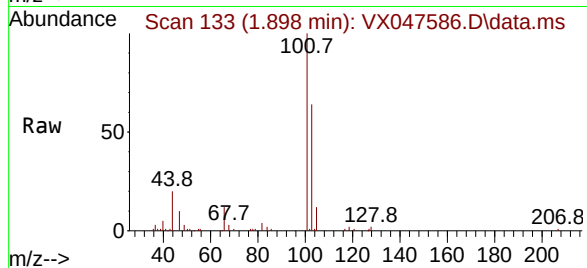
Tgt Ion: 64 Resp: 8926
Ion Ratio Lower Upper
64 100
66 30.2 26.1 39.1





#7
Trichlorofluoromethane
Concen: 5.223 ug/l
RT: 1.898 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

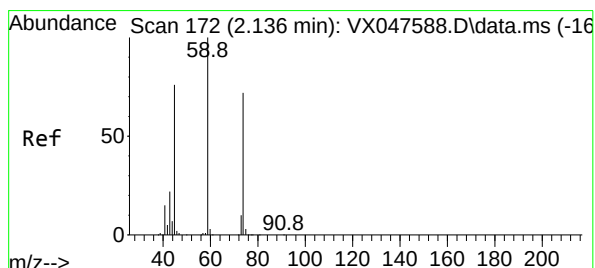
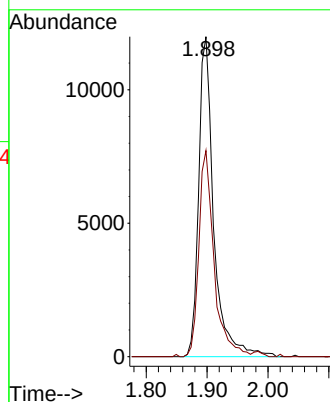
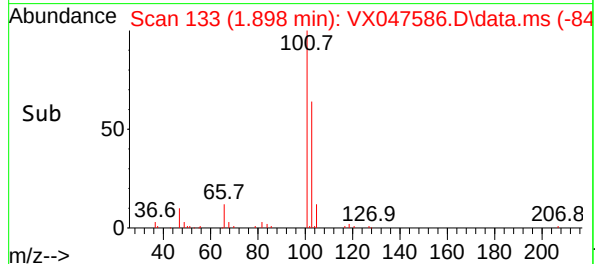
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 101 Resp: 2049
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.2

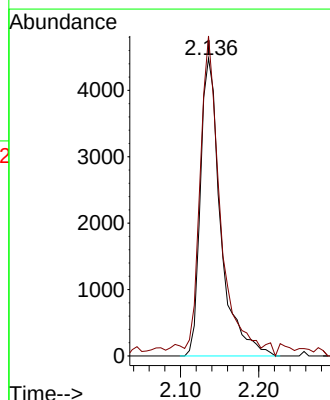
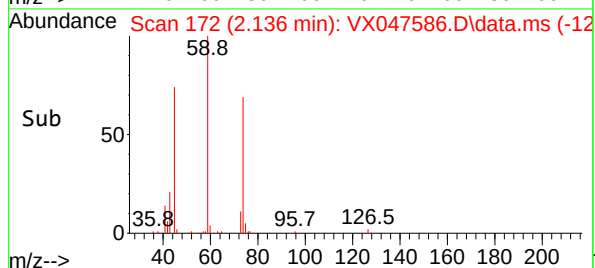
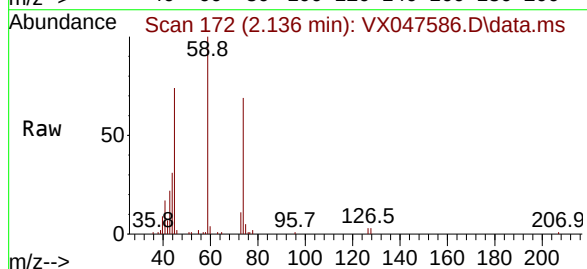
Manual Integrations
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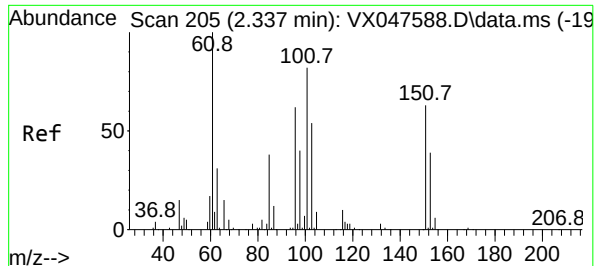
Reviewed By : John Carlone 09/17/2025
Supervised By : Mahesh Dadoda 09/18/2025



#8
Diethyl Ether
Concen: 5.008 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 74 Resp: 8039
Ion Ratio Lower Upper
74 100
45 111.7 52.3 156.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.112 ug/l

RT: 2.331 min Scan# 205

Delta R.T. -0.006 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

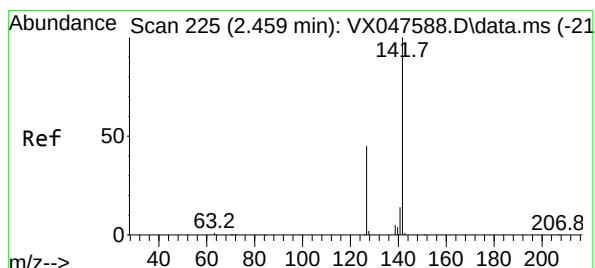
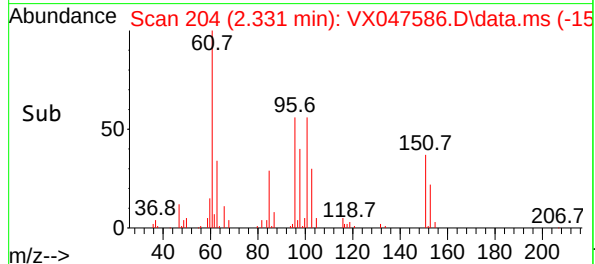
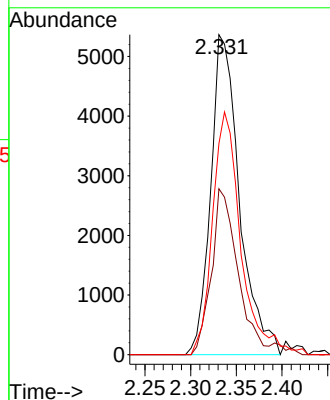
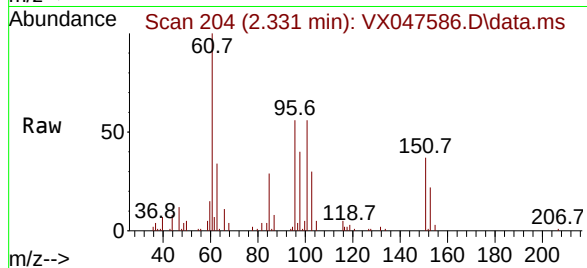
Tgt Ion:	101	Resp:	11729
Ion Ratio	Lower	Upper	
101	100		
85	47.5	35.5	53.3
151	75.0	59.4	89.0

Manual Integrations

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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#10

Methyl Iodide

Concen: 4.795 ug/l

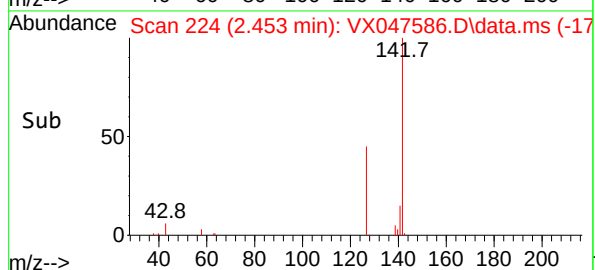
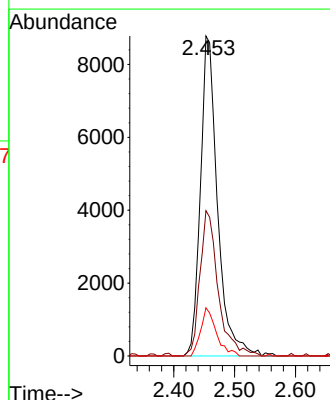
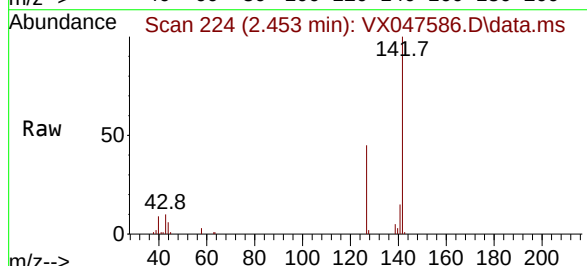
RT: 2.453 min Scan# 224

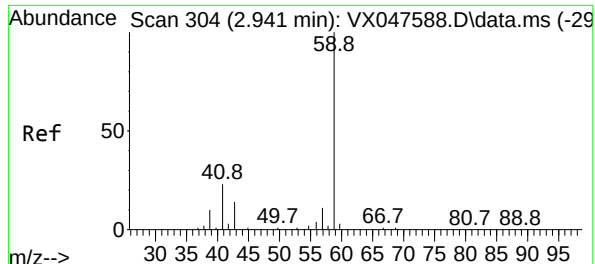
Delta R.T. -0.006 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Tgt Ion:	142	Resp:	17159
Ion Ratio	Lower	Upper	
142	100		
127	48.4	37.2	55.8
141	13.8	11.4	17.0





#11

Tert butyl alcohol

Concen: 23.883 ug/l

RT: 2.947 min Scan# 304

Delta R.T. 0.006 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 839

Ion Ratio Lower Upper

59 100

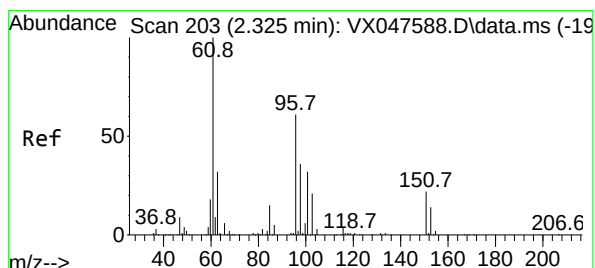
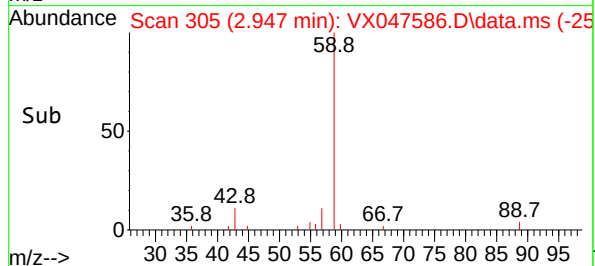
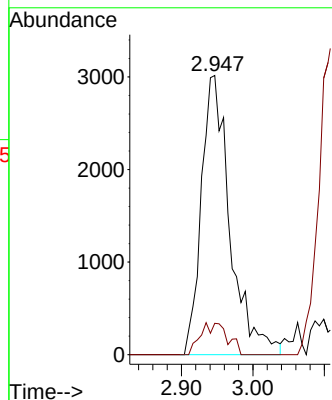
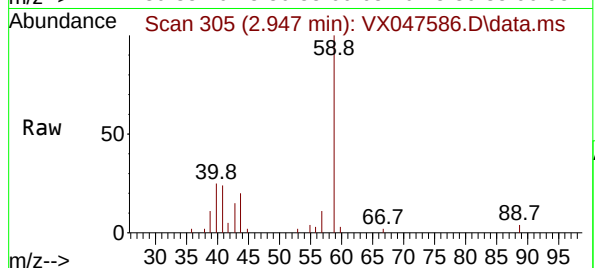
57 10.8 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#12

1,1-Dichloroethene

Concen: 5.147 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

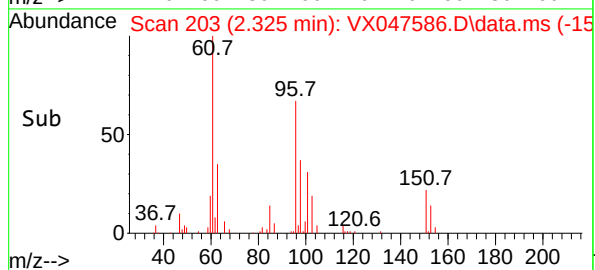
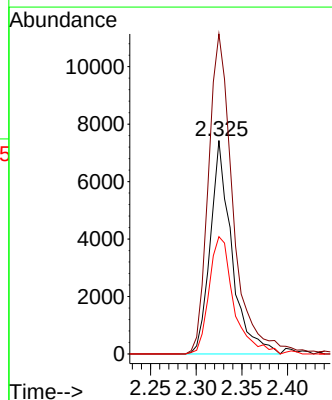
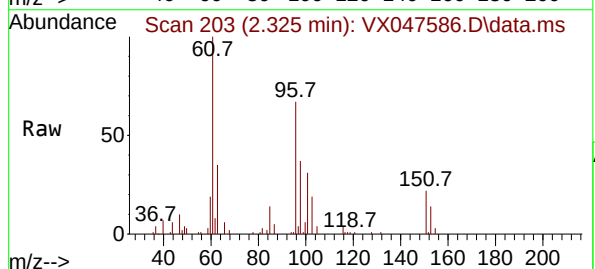
Tgt Ion: 96 Resp: 12131

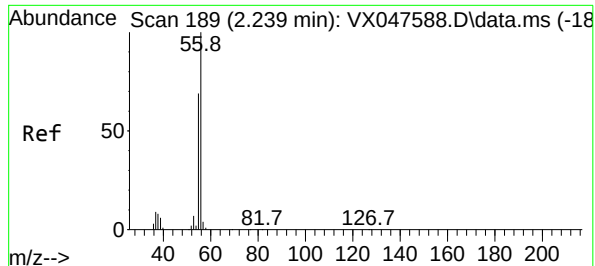
Ion Ratio Lower Upper

96 100

61 149.9 131.0 196.6

98 54.9 47.7 71.5





#13

Acrolein

Concen: 21.847 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 7080

Ion Ratio Lower Upper

56 100

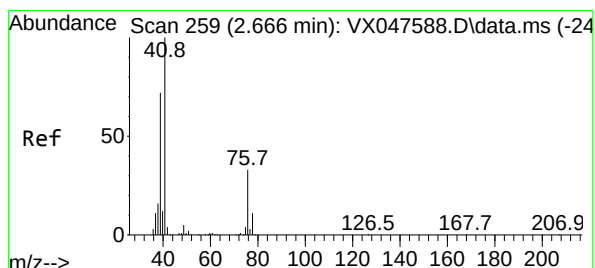
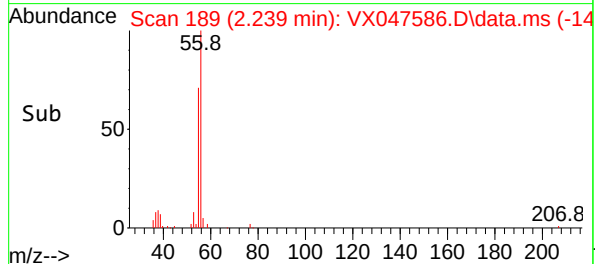
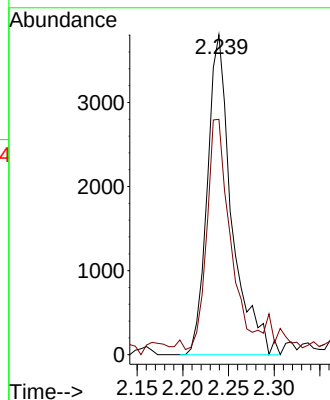
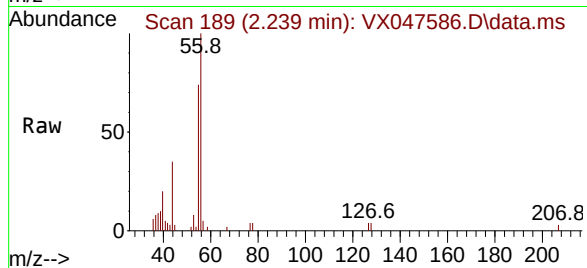
55 67.1 57.2 85.8

Manual Integrations

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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#14

Allyl chloride

Concen: 5.168 ug/l

RT: 2.666 min Scan# 259

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

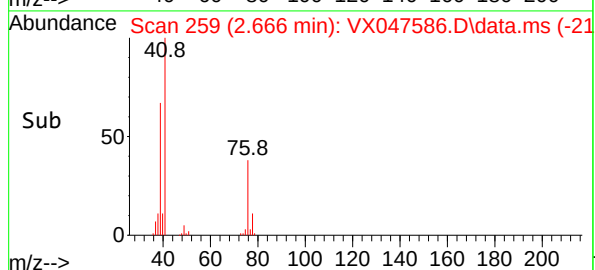
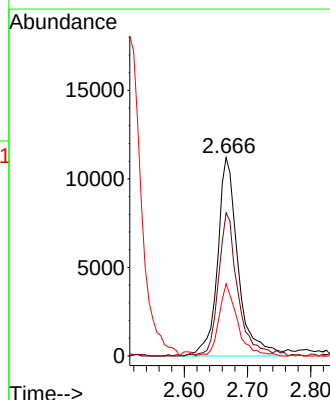
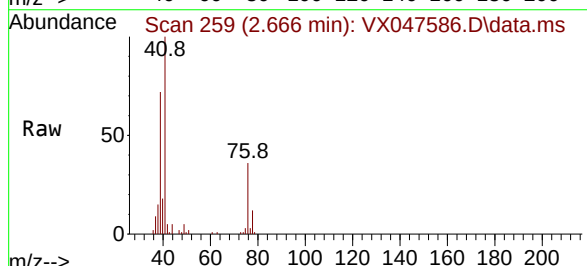
Tgt Ion: 41 Resp: 25135

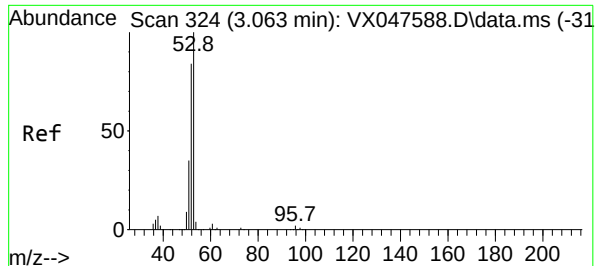
Ion Ratio Lower Upper

41 100

39 69.1 54.7 82.1

76 32.4 25.7 38.5





#15

Acrylonitrile

Concen: 25.016 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

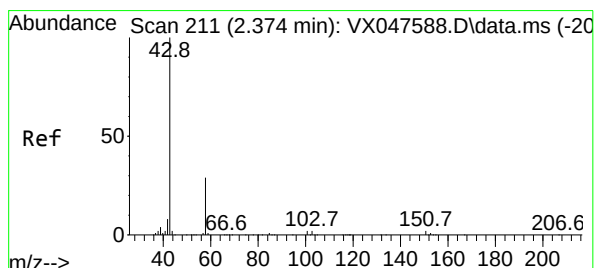
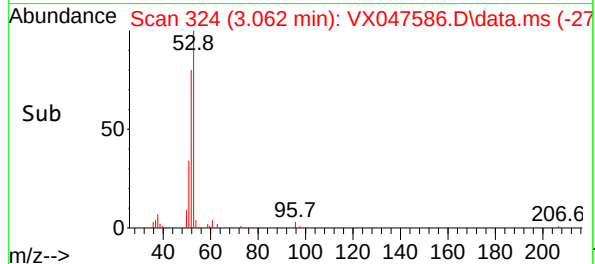
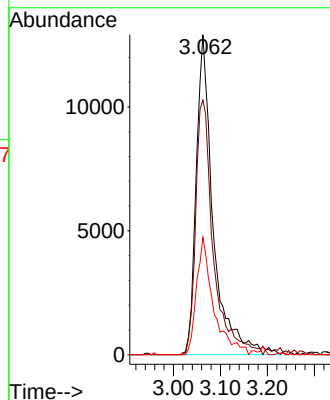
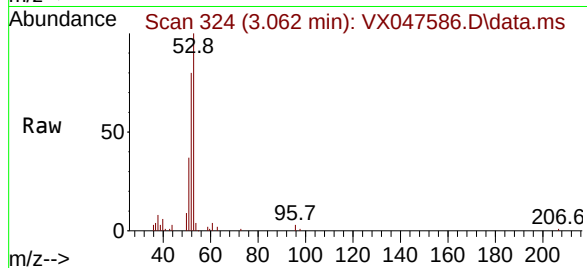
VSTDICC005

Tgt Ion:	53	Resp:	3258
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.4	99.6
51	36.5	29.5	44.3

Manual Integrations
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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#16

Acetone

Concen: 30.079 ug/l

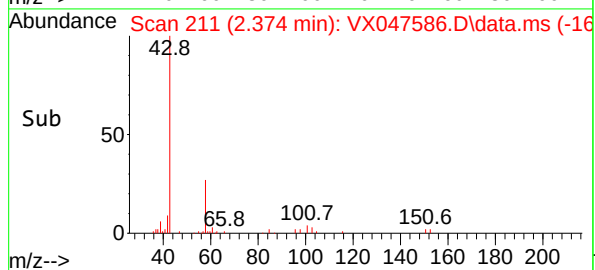
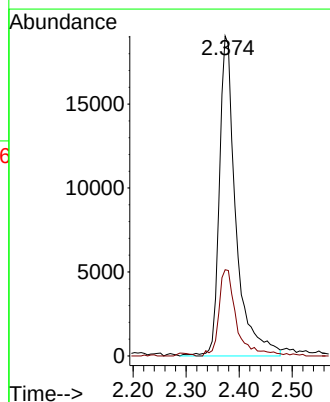
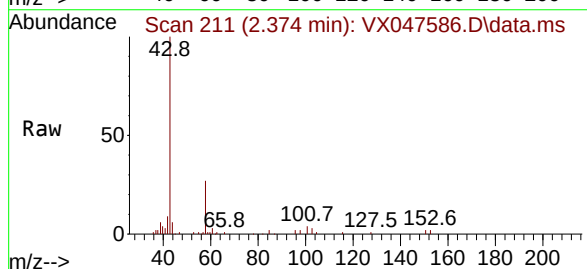
RT: 2.374 min Scan# 211

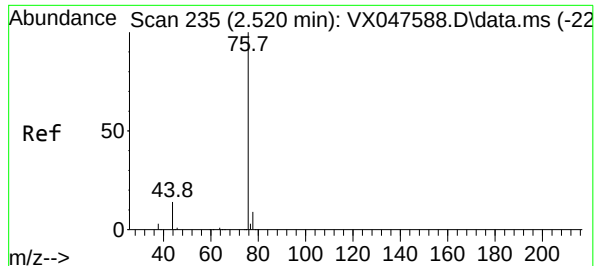
Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Tgt Ion:	43	Resp:	41297
Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.4	35.0





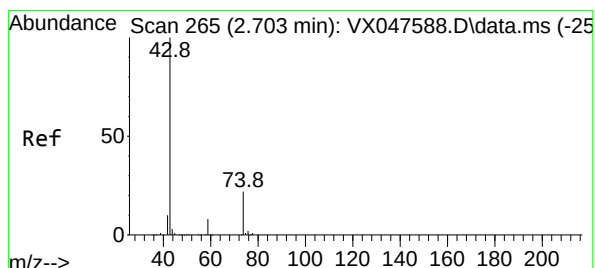
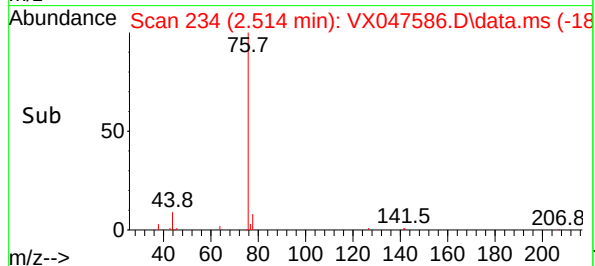
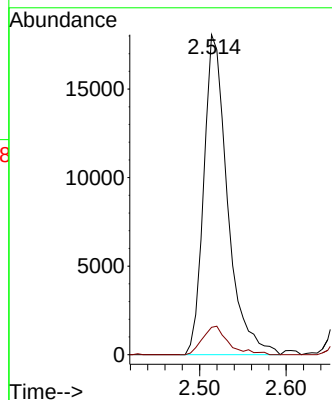
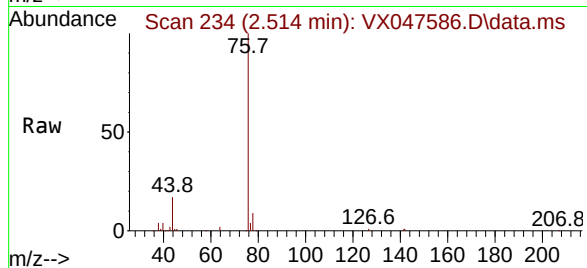
#17
Carbon Disulfide
Concen: 5.335 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 34420
Ion Ratio Lower Upper
76 100
78 8.6 6.8 10.2

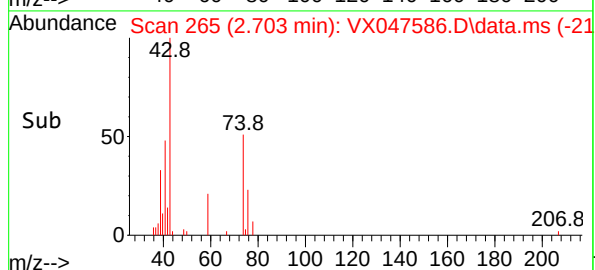
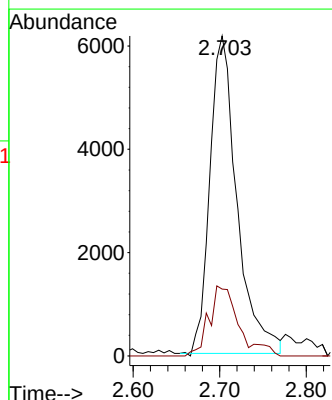
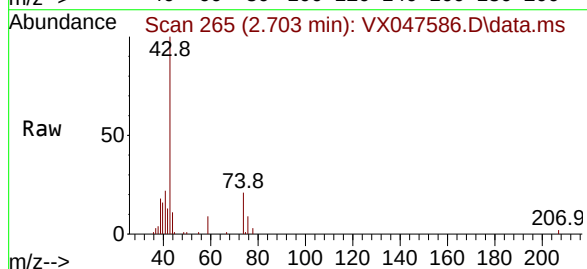
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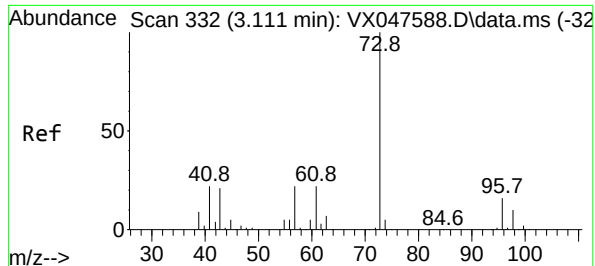
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#18
Methyl Acetate
Concen: 4.371 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 13357
Ion Ratio Lower Upper
43 100
74 22.9 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 5.160 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 73 Resp: 44390

Ion Ratio Lower Upper

73 100

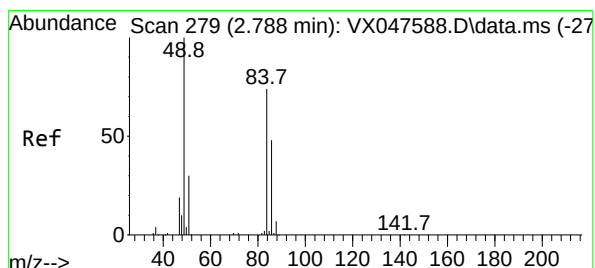
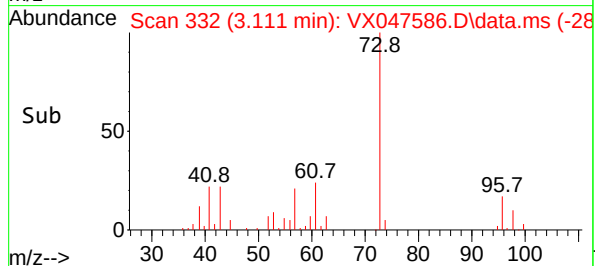
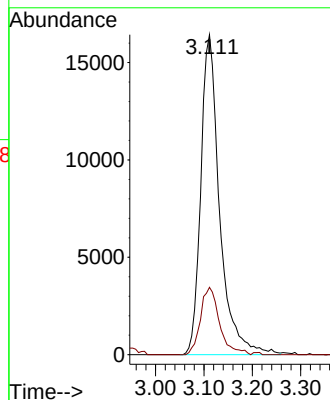
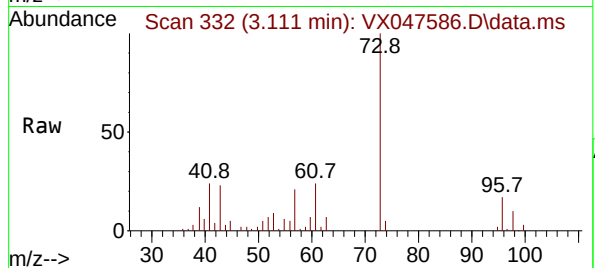
57 21.0 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#20

Methylene Chloride

Concen: 5.267 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Tgt Ion: 84 Resp: 15307

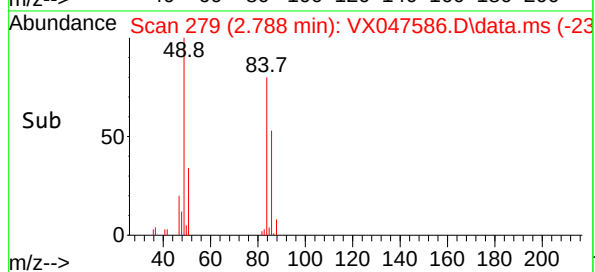
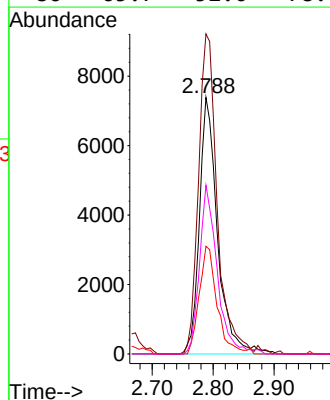
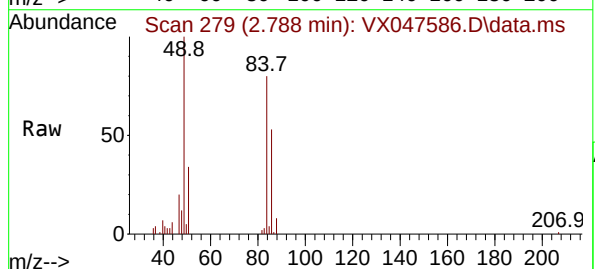
Ion Ratio Lower Upper

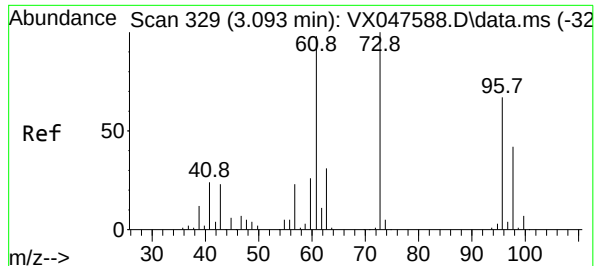
84 100

49 124.7 108.6 162.8

51 42.0 32.6 48.8

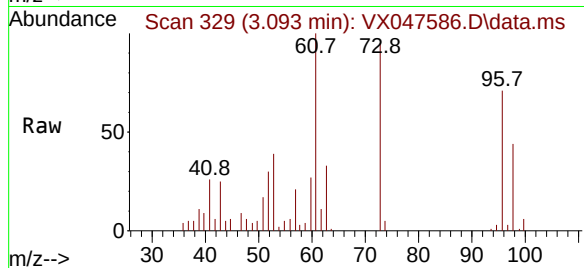
86 65.7 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 5.492 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

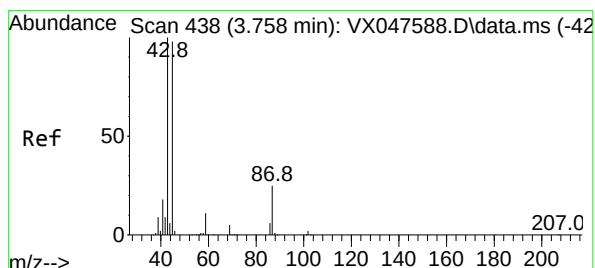
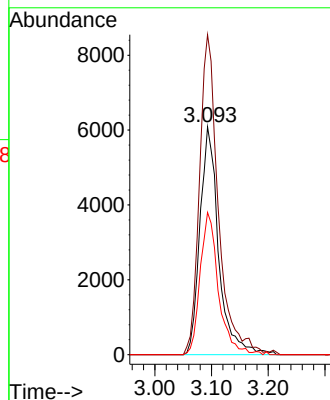
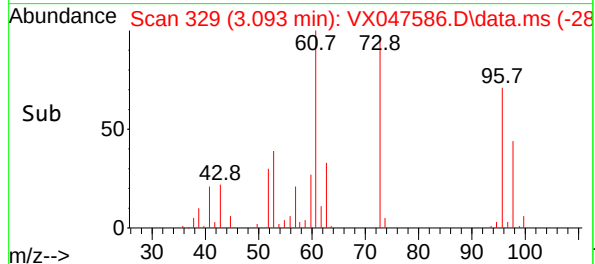
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 96 Resp: 1393
Ion Ratio Lower Upper
96 100
61 140.4 116.2 174.2
98 62.4 49.3 73.9

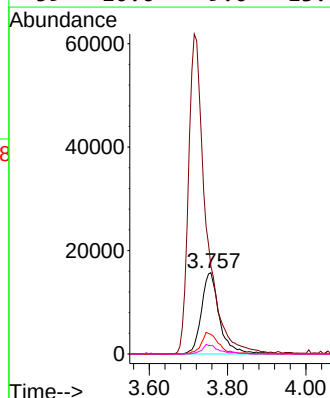
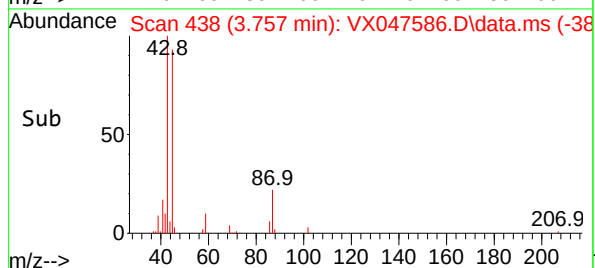
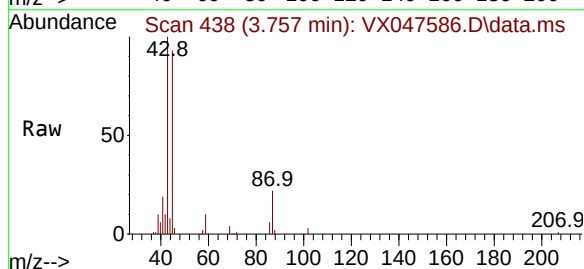
Manual Integrations
APPROVED

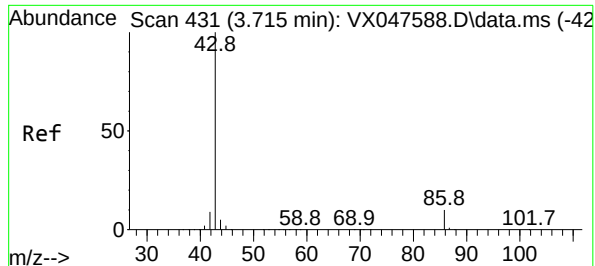
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#22
Diisopropyl ether
Concen: 5.327 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 45 Resp: 50213
Ion Ratio Lower Upper
45 100
43 102.8 81.0 121.4
87 23.3 20.3 30.5
59 10.6 9.0 13.4





#23

Vinyl Acetate

Concen: 25.474 ug/l

RT: 3.715 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 19217

Ion Ratio Lower Upper

43 100

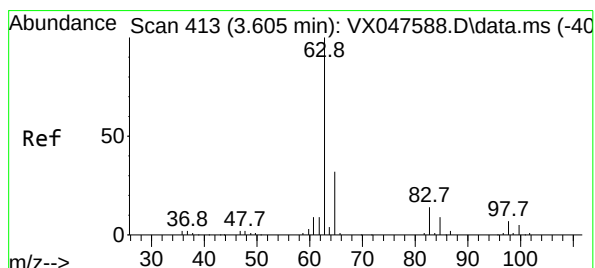
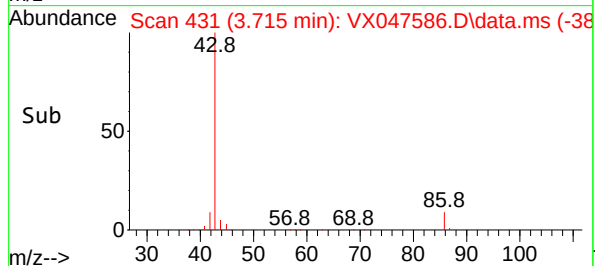
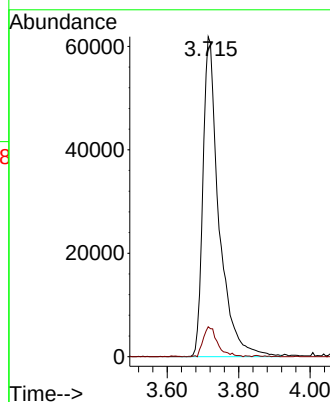
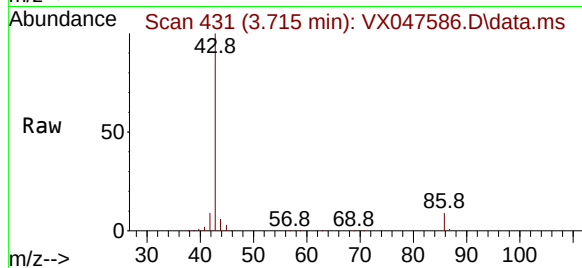
86 9.4 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#24

1,1-Dichloroethane

Concen: 5.248 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

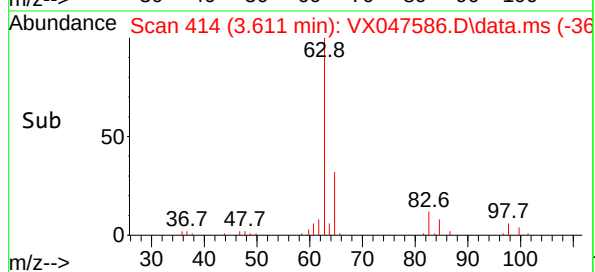
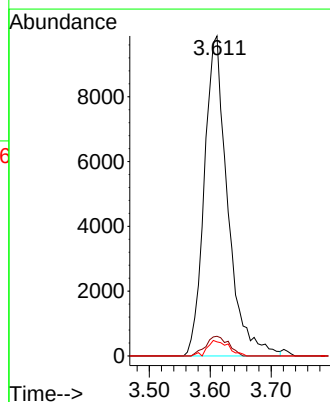
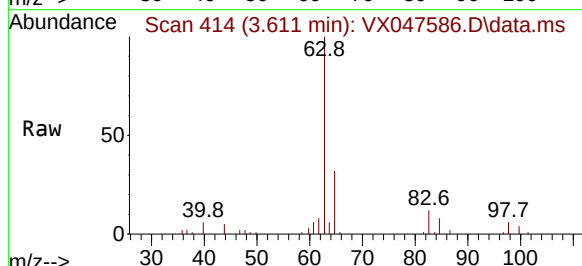
Tgt Ion: 63 Resp: 26292

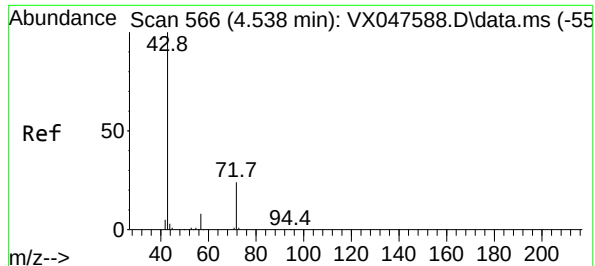
Ion Ratio Lower Upper

63 100

98 6.2 3.8 11.2

100 4.4 2.3 6.9





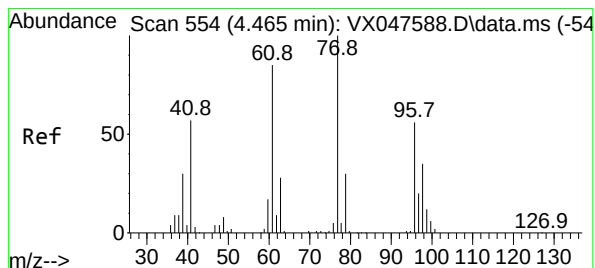
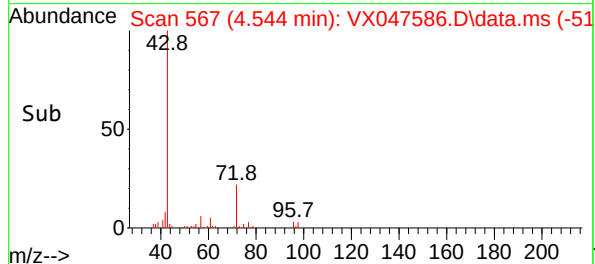
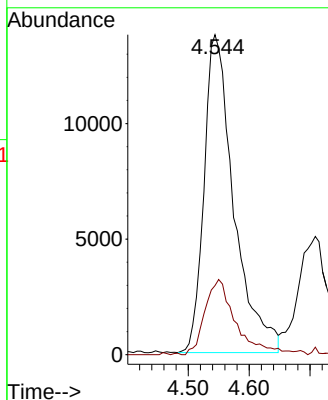
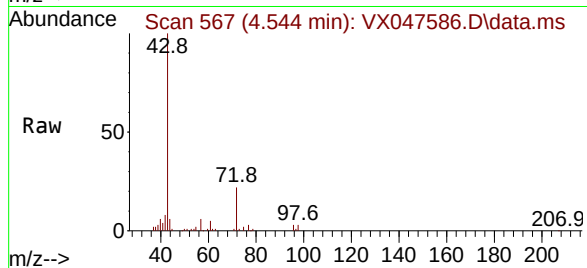
#25
2-Butanone
Concen: 27.240 ug/l
RT: 4.544 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 4665
Ion Ratio Lower Upper
43 100
72 21.3 20.1 30.1

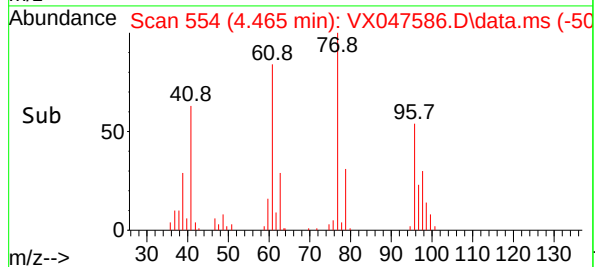
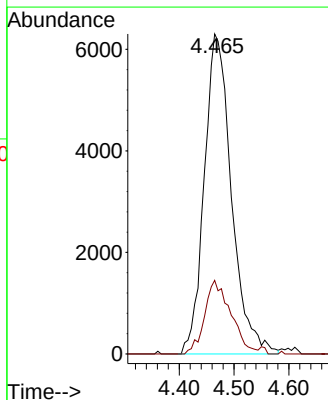
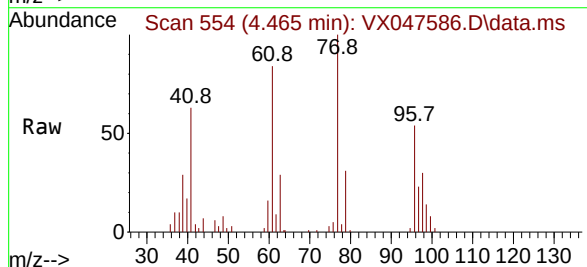
Manual Integrations
APPROVED

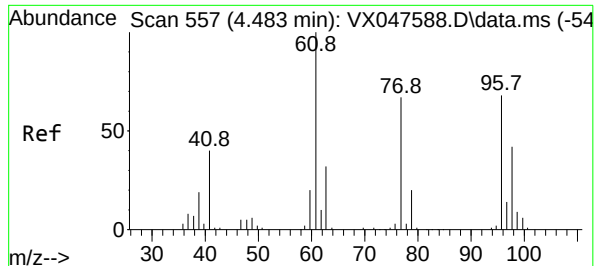
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#26
2,2-Dichloropropane
Concen: 5.220 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 77 Resp: 21738
Ion Ratio Lower Upper
77 100
97 22.2 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 5.147 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 96 Resp: 15990

Ion Ratio Lower Upper

96 100

61 154.4 0.0 303.2

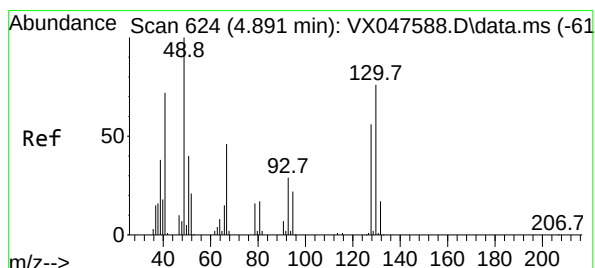
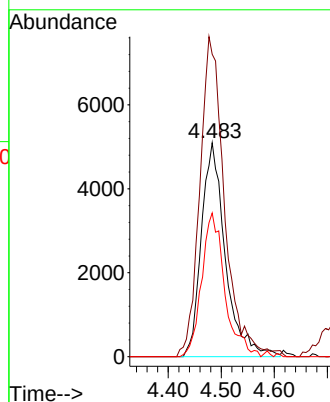
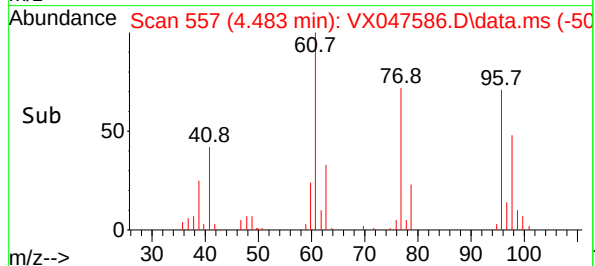
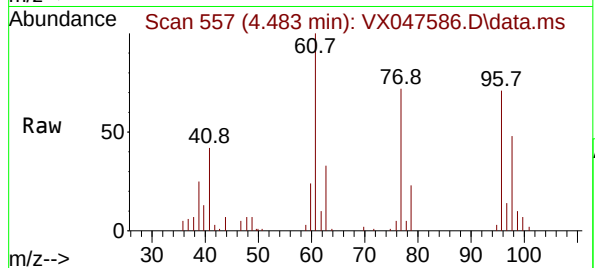
98 64.8 0.0 127.8

Manual Integrations

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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#28

Bromochloromethane

Concen: 5.508 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

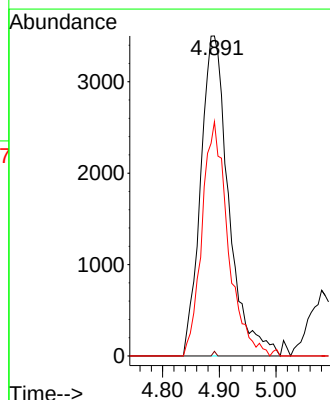
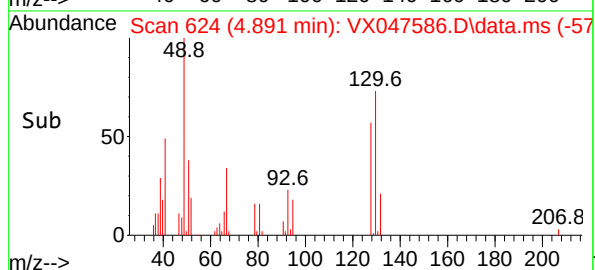
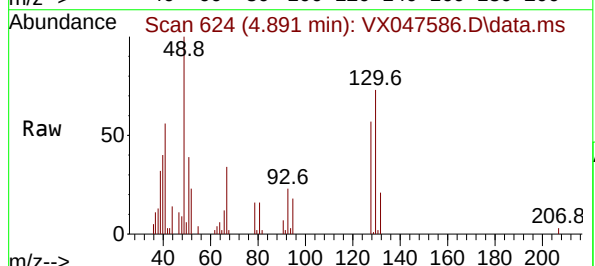
Tgt Ion: 49 Resp: 12047

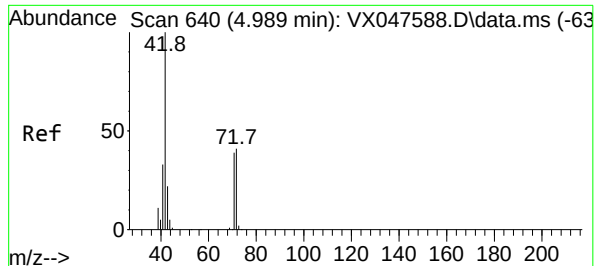
Ion Ratio Lower Upper

49 100

129 0.2 0.0 3.2

130 68.0 57.8 86.8





#29

Tetrahydrofuran

Concen: 25.944 ug/l

RT: 4.995 min Scan# 641

Delta R.T. 0.006 min

Lab File: VX047586.D

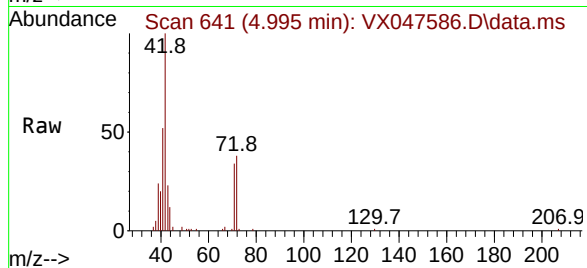
Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

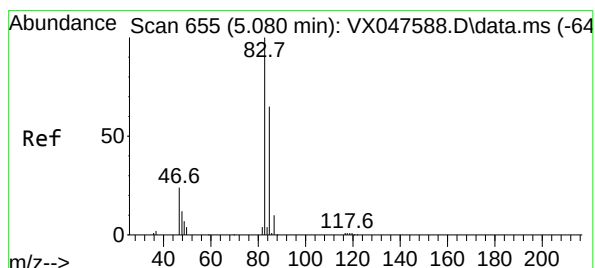
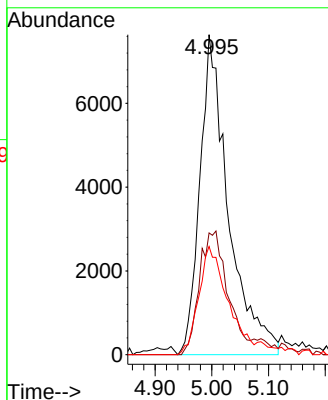
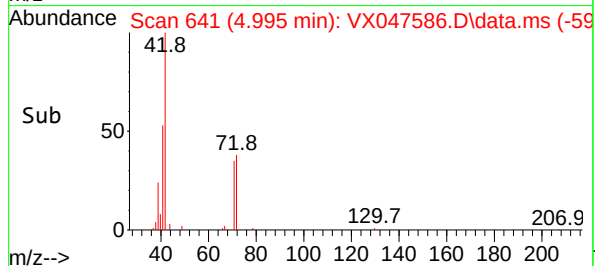


Tgt Ion:	42	Resp:	26729
Ion Ratio	Lower	Upper	
42	100		
72	38.7	34.2	51.2
71	34.1	31.9	47.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#30

Chloroform

Concen: 5.344 ug/l

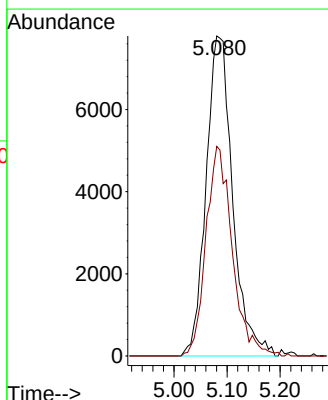
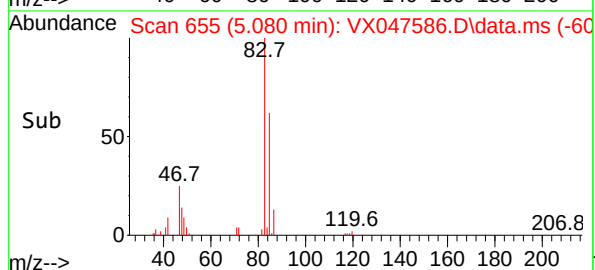
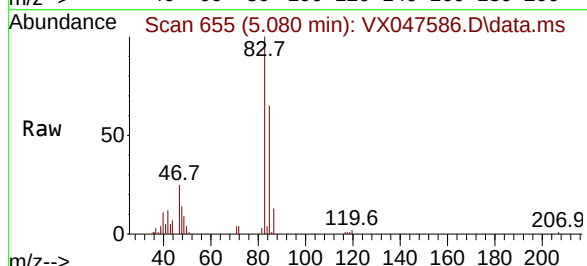
RT: 5.080 min Scan# 655

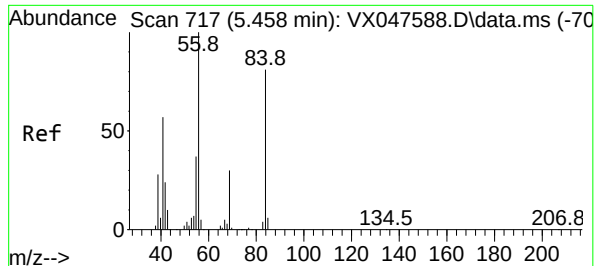
Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Tgt Ion:	83	Resp:	27054
Ion Ratio	Lower	Upper	
83	100		
85	65.5	51.8	77.6





#31

Cyclohexane

Concen: 5.520 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

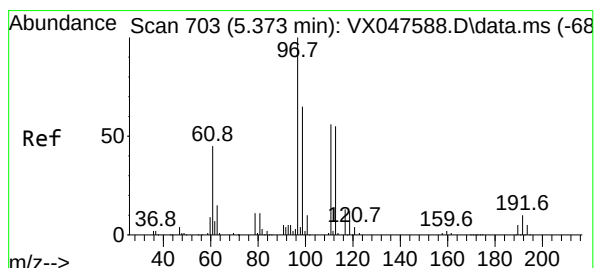
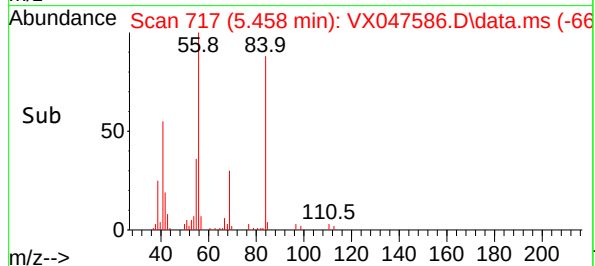
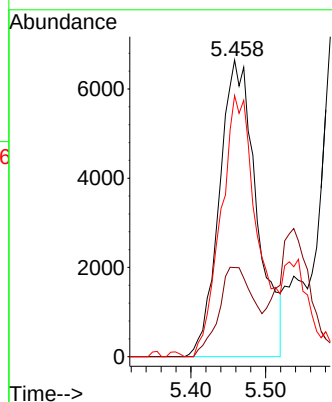
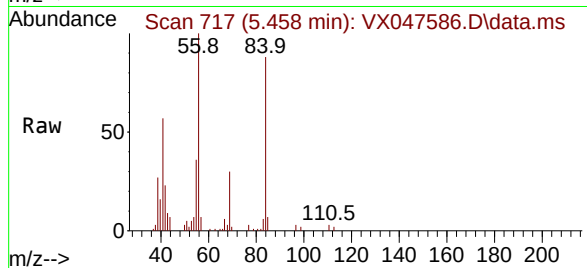
VSTDIC005

Tgt Ion:	56	Resp:	2303
Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.8	35.8
84	87.1	64.6	97.0

Manual Integrations
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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#32

1,1,1-Trichloroethane

Concen: 5.188 ug/l

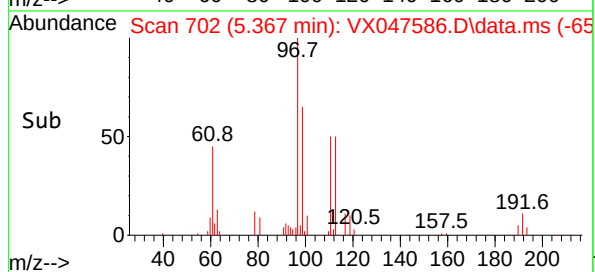
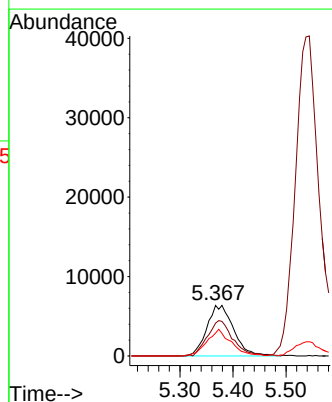
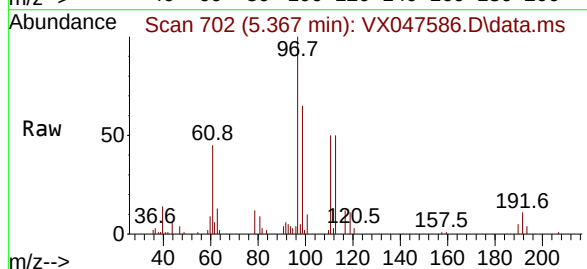
RT: 5.367 min Scan# 702

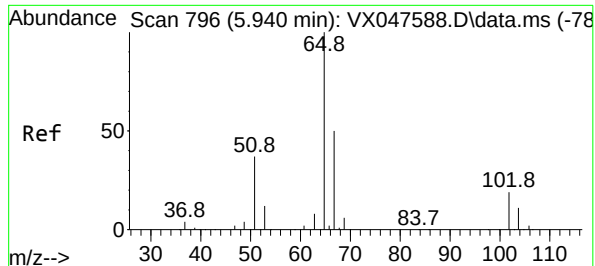
Delta R.T. -0.006 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Tgt Ion:	97	Resp:	22279
Ion	Ratio	Lower	Upper
97	100		
99	66.4	50.6	76.0
61	47.4	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 5.554 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 17538

Ion Ratio Lower Upper

65 100

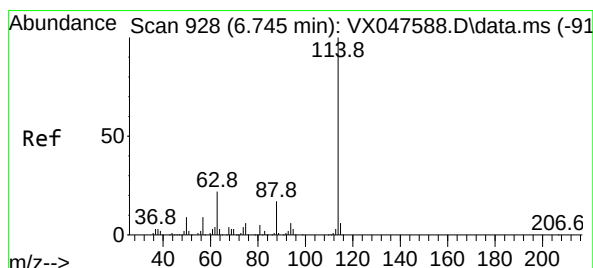
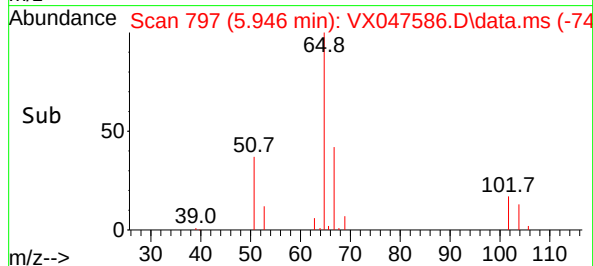
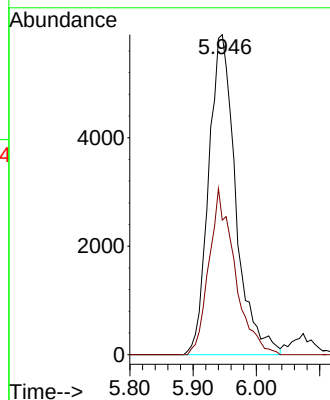
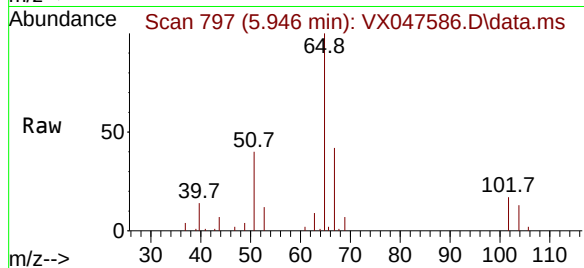
67 49.7 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

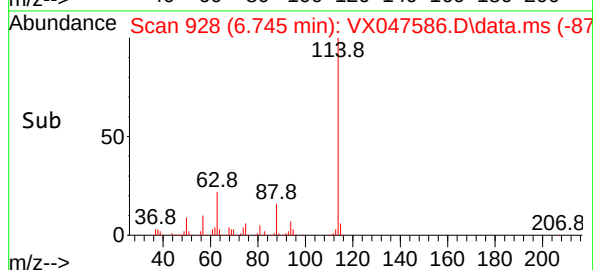
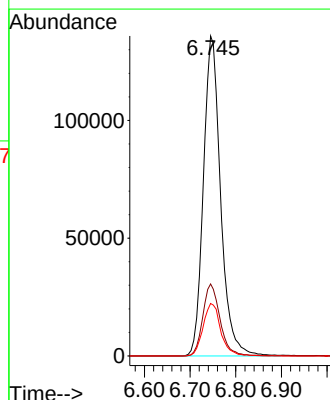
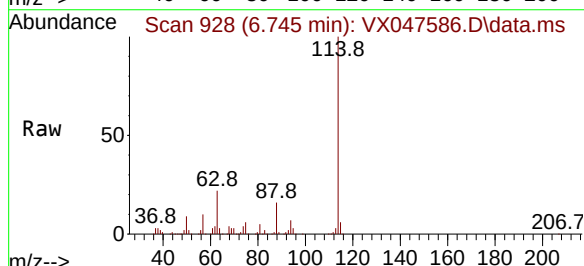
Tgt Ion:114 Resp: 355026

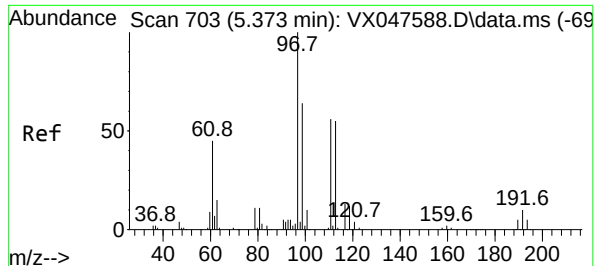
Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.0

88 16.4 0.0 34.2





#35

Dibromofluoromethane

Concen: 5.312 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

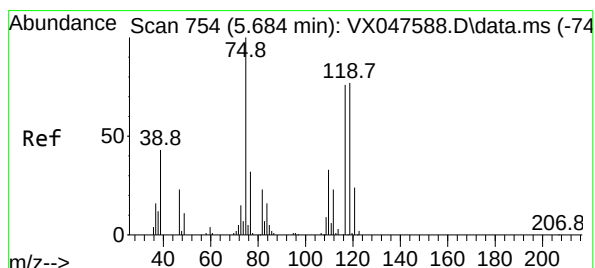
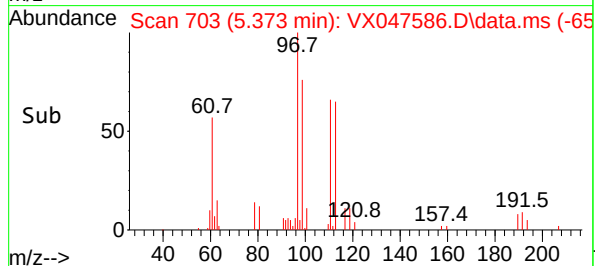
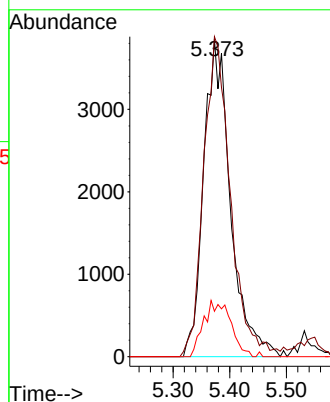
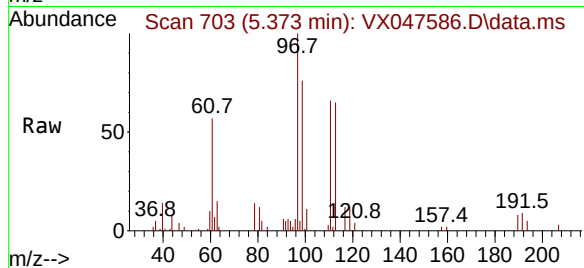
VSTDIC005

Tgt Ion:	113	Resp:	1264
Ion	Ratio	Lower	Upper
113	100		
111	100.5	80.9	121.3
192	17.8	14.2	21.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#36

1,1-Dichloropropene

Concen: 5.304 ug/l

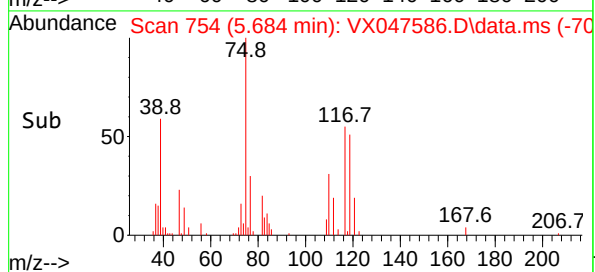
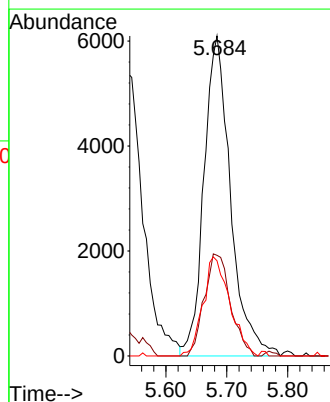
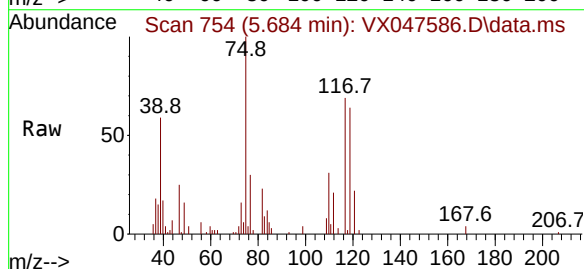
RT: 5.684 min Scan# 754

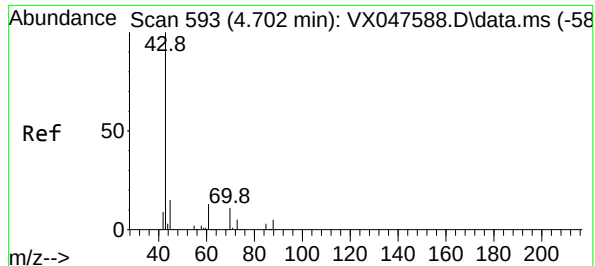
Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Tgt Ion:	75	Resp:	18455
Ion	Ratio	Lower	Upper
75	100		
110	31.4	16.7	50.1
77	31.0	24.3	36.5





#37

Ethyl Acetate

Concen: 5.345 ug/l

RT: 4.708 min Scan# 593

Delta R.T. 0.006 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

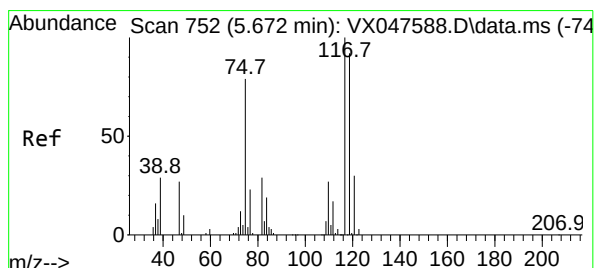
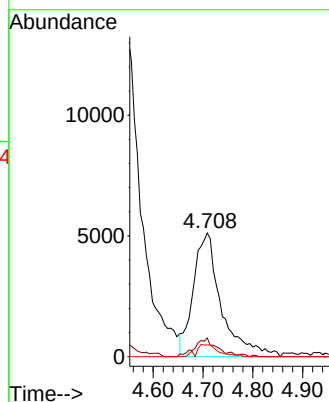
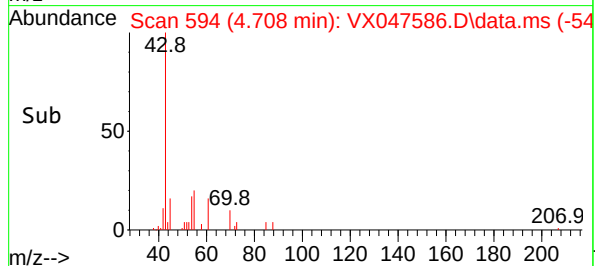
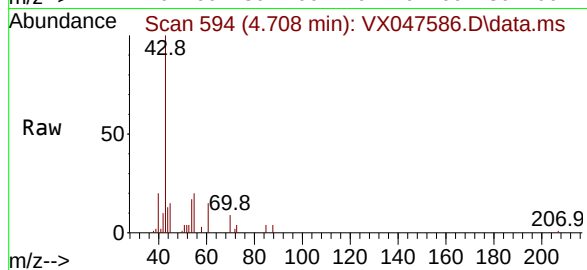
Tgt Ion:	43	Resp:	1991
Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.8	14.8
70	7.6	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#38

Carbon Tetrachloride

Concen: 5.390 ug/l

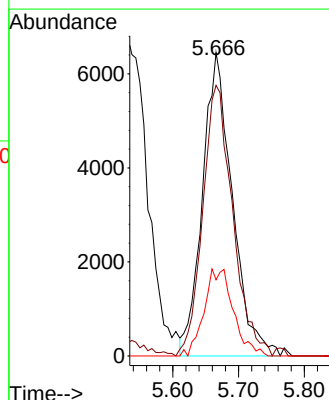
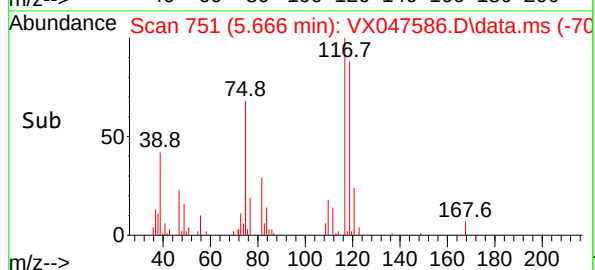
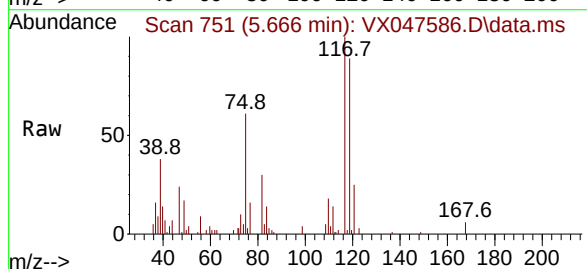
RT: 5.666 min Scan# 751

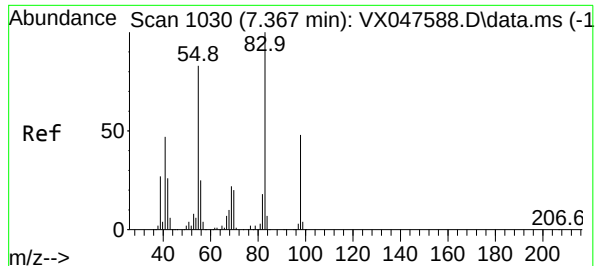
Delta R.T. -0.006 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Tgt Ion:	117	Resp:	20376
Ion	Ratio	Lower	Upper
117	100		
119	88.9	73.4	110.2
121	25.1	23.8	35.6





#39

Methylcyclohexane

Concen: 5.292 ug/l

RT: 7.367 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

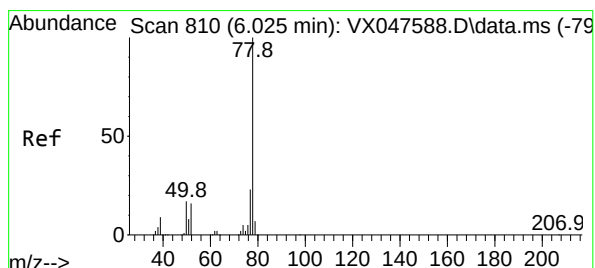
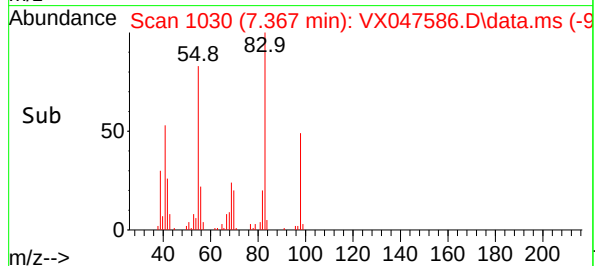
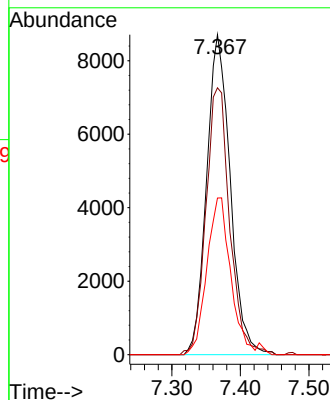
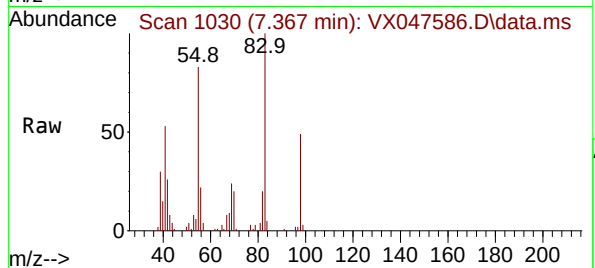
VSTDICC005

Tgt Ion:	83	Resp:	20900
Ion	Ratio	Lower	Upper
83	100		
55	79.1	66.4	99.6
98	46.4	38.1	57.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#40

Benzene

Concen: 5.299 ug/l

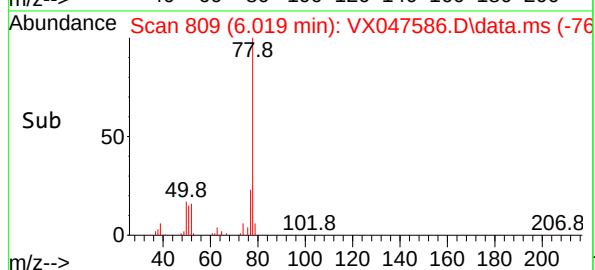
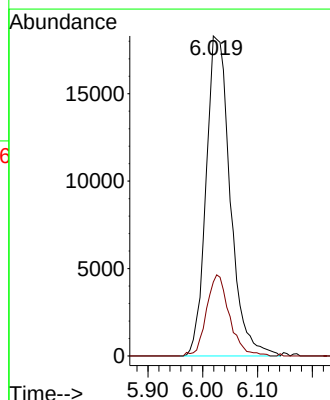
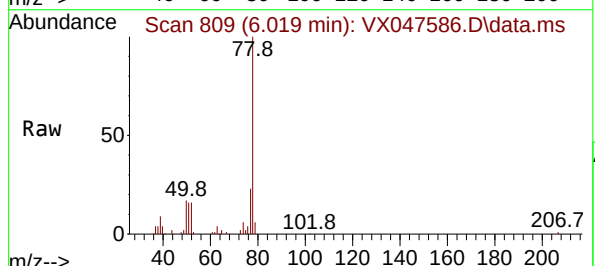
RT: 6.019 min Scan# 809

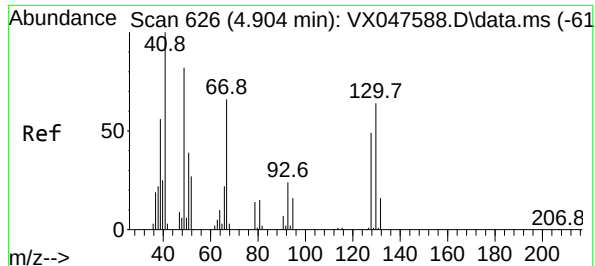
Delta R.T. -0.006 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Tgt Ion:	78	Resp:	55996
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





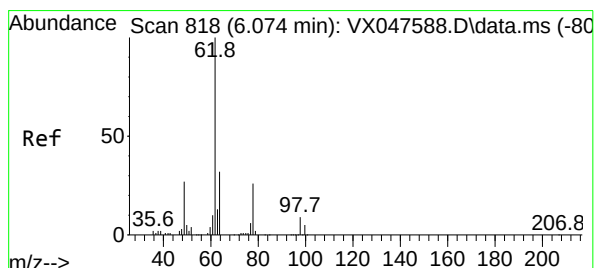
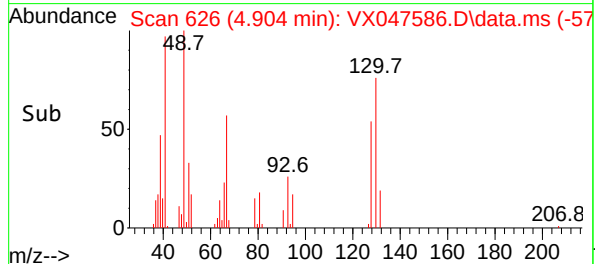
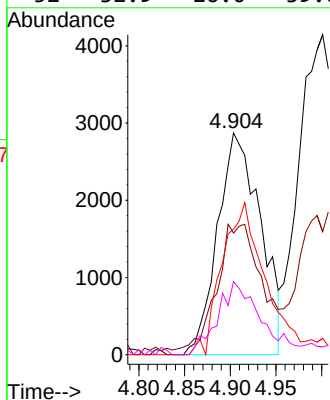
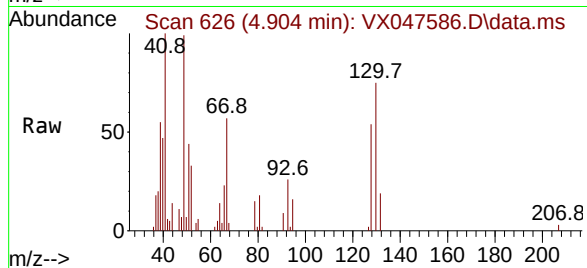
#41
Methacrylonitrile
Concen: 4.883 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 9390
Ion Ratio Lower Upper
41 100
39 58.3 43.3 64.9
67 68.7 58.6 87.8
52 32.9 26.0 39.0

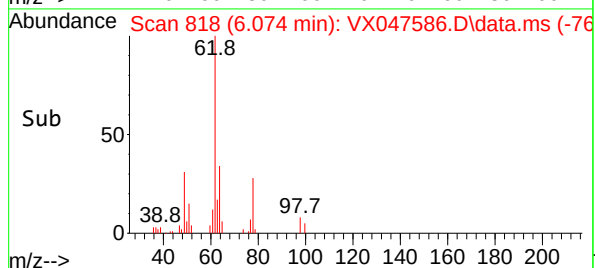
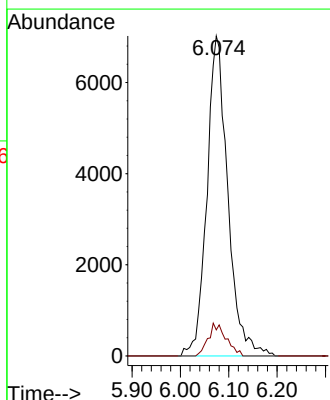
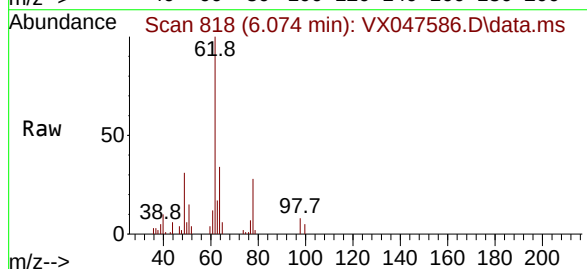
Manual Integrations
APPROVED

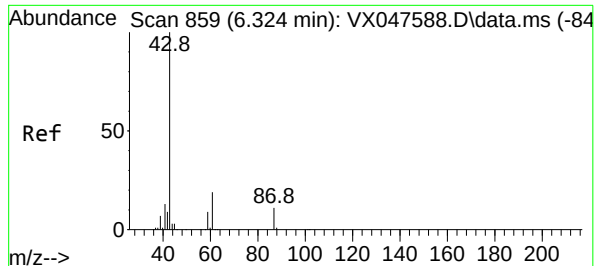
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#42
1,2-Dichloroethane
Concen: 5.252 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 21117
Ion Ratio Lower Upper
62 100
98 8.7 0.0 17.0





#43

Isopropyl Acetate

Concen: 5.124 ug/l

RT: 6.324 min Scan# 859

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

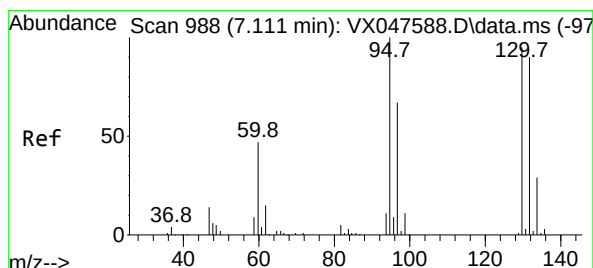
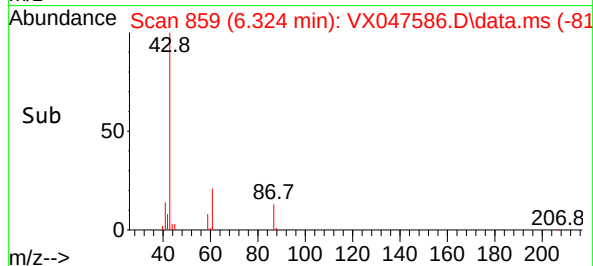
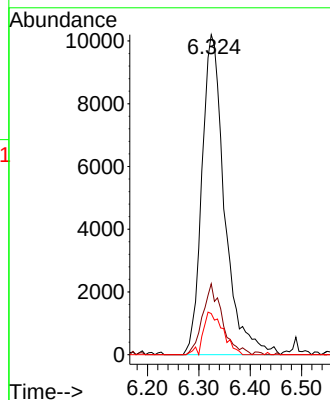
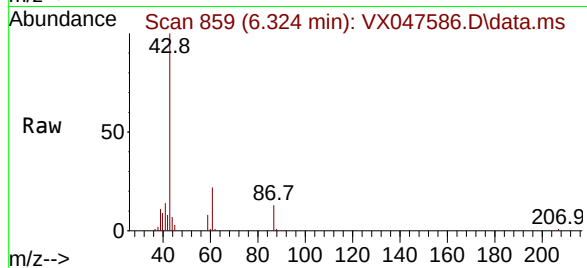
VSTDIC005

Tgt Ion:	43	Resp:	31304
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	11.6	9.6	14.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#44

Trichloroethene

Concen: 5.314 ug/l

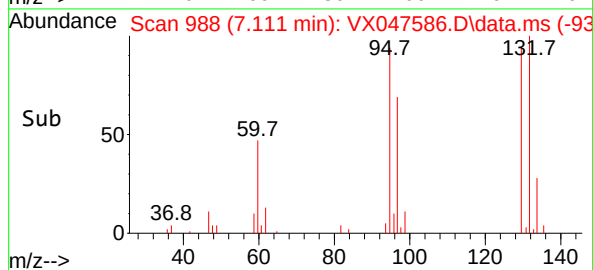
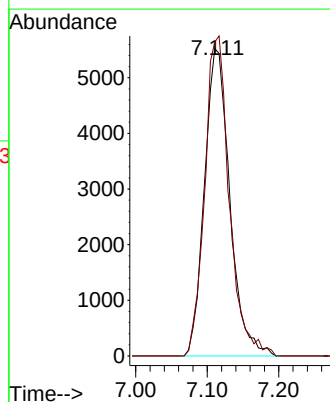
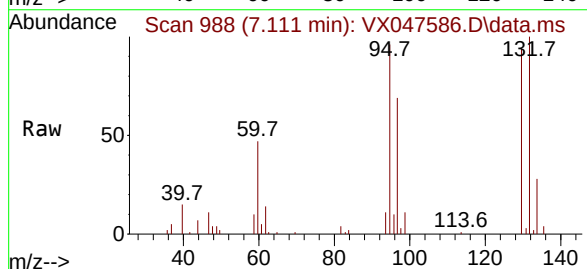
RT: 7.111 min Scan# 988

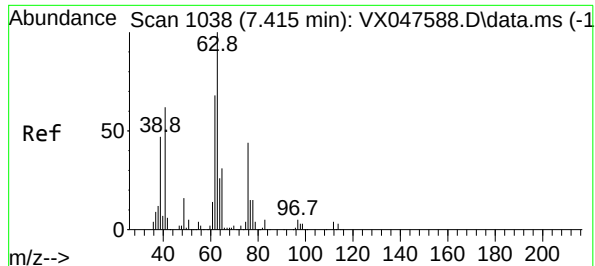
Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Tgt Ion:	130	Resp:	13576
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	210.8





#45

1,2-Dichloropropane

Concen: 5.287 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 63 Resp: 1430

Ion Ratio Lower Upper

63 100

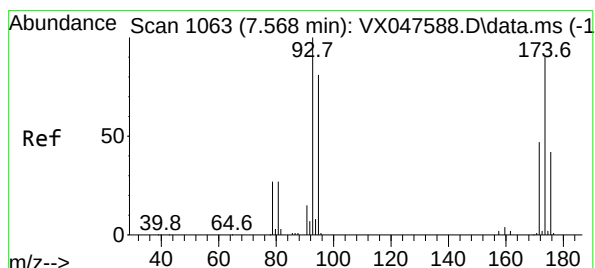
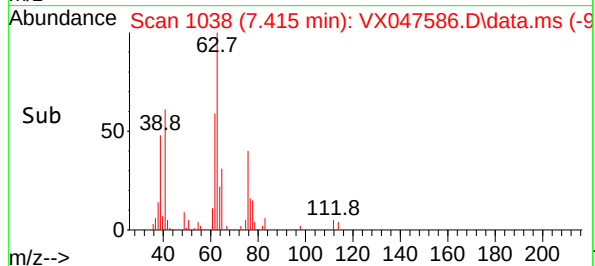
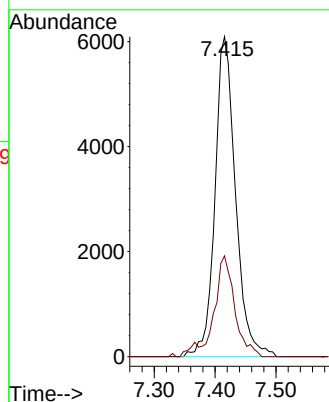
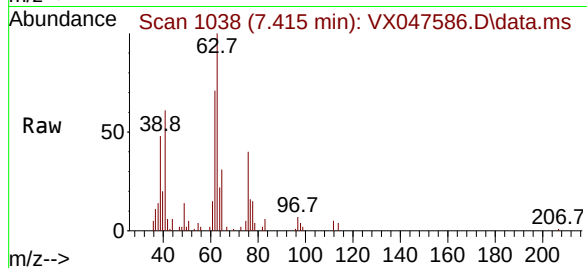
65 31.5 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#46

Dibromomethane

Concen: 5.146 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

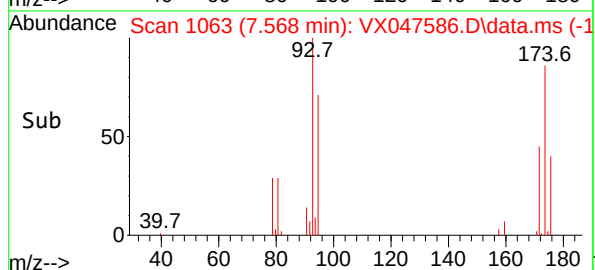
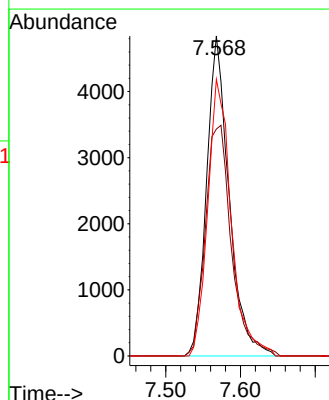
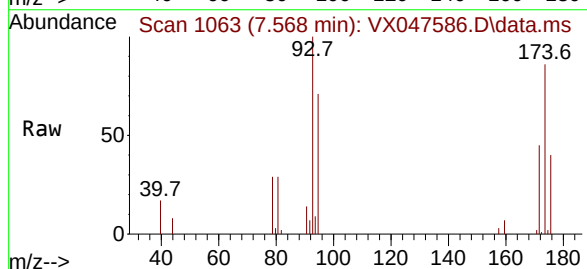
Tgt Ion: 93 Resp: 10133

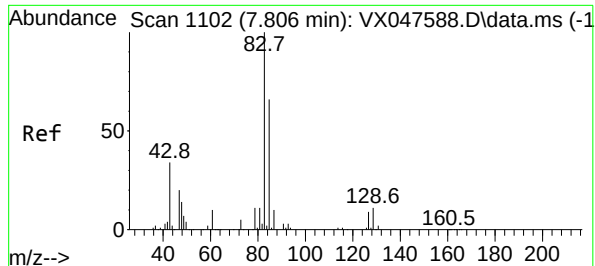
Ion Ratio Lower Upper

93 100

95 83.5 65.0 97.6

174 90.0 71.6 107.4





#47

Bromodichloromethane

Concen: 5.235 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

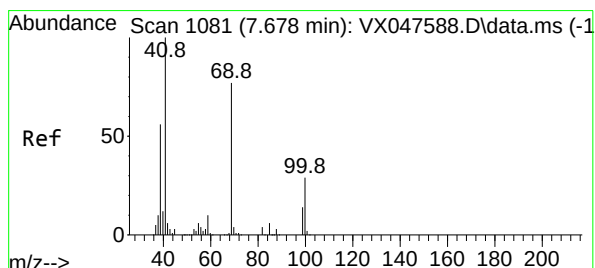
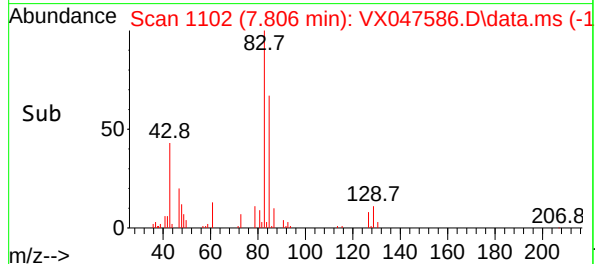
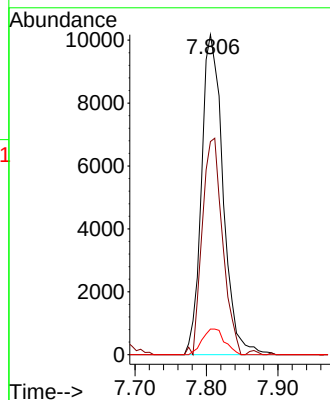
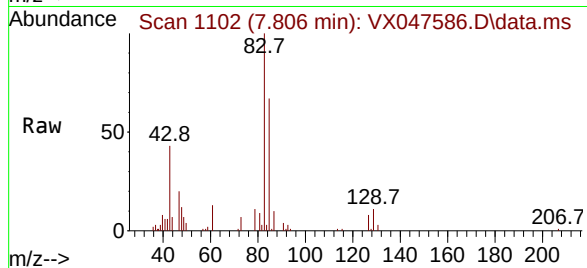
VSTDIC005

Tgt Ion:	83	Resp:	21270
Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7
127	7.8	6.9	10.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#48

Methyl methacrylate

Concen: 4.915 ug/l

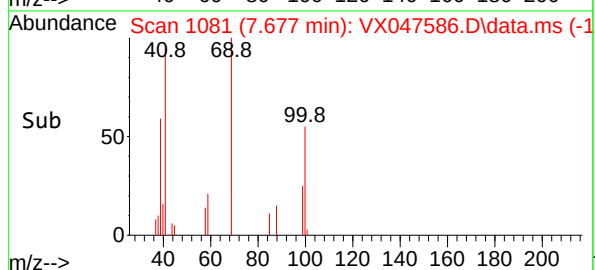
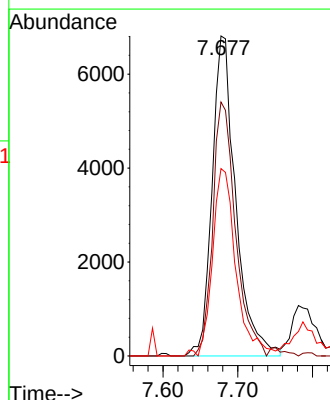
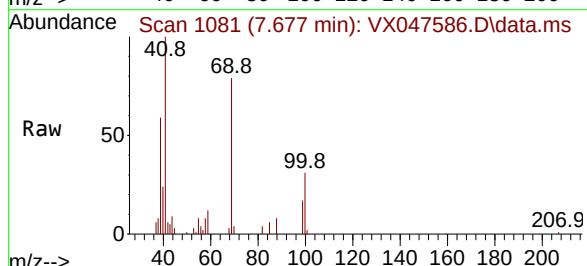
RT: 7.677 min Scan# 1081

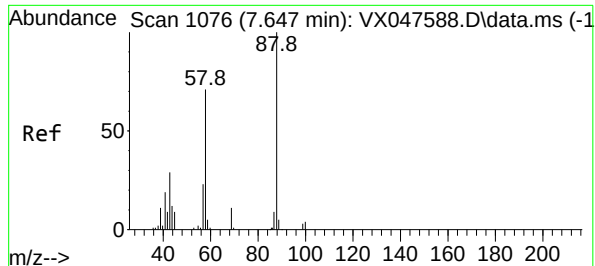
Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Tgt Ion:	41	Resp:	14959
Ion	Ratio	Lower	Upper
41	100		
69	76.4	61.4	92.2
39	58.2	45.8	68.6





#49

1,4-Dioxane

Concen: 98.096 ug/l

RT: 7.653 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

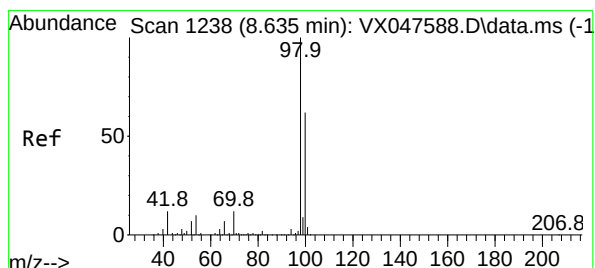
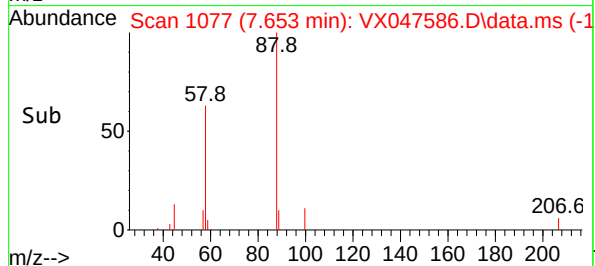
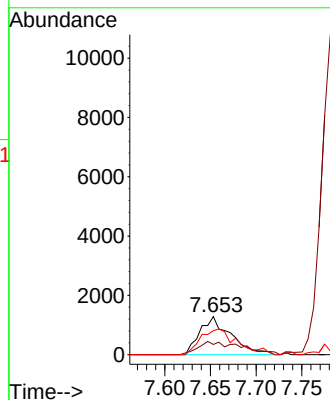
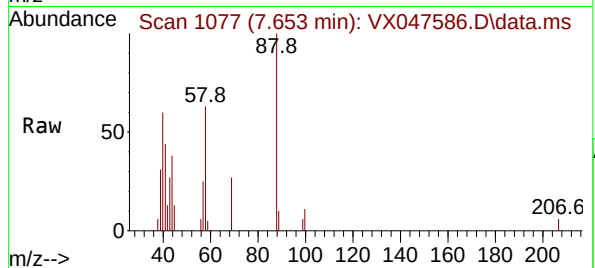
Tgt Ion:	88	Resp:	301
Ion	Ratio	Lower	Upper
88	100		
43	48.3	30.2	45.2
58	79.1	59.5	89.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#50

Toluene-d8

Concen: 5.332 ug/l

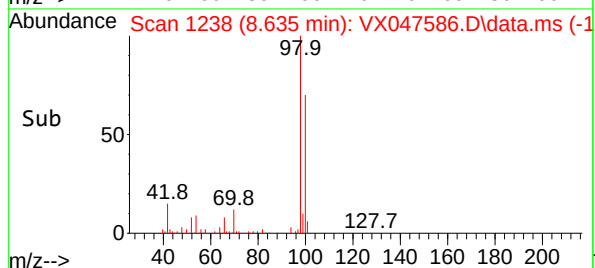
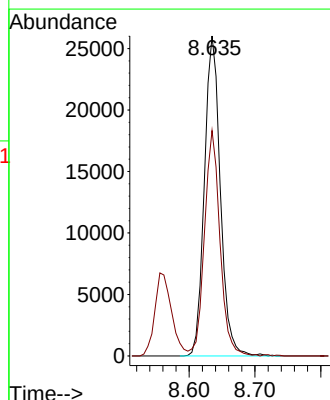
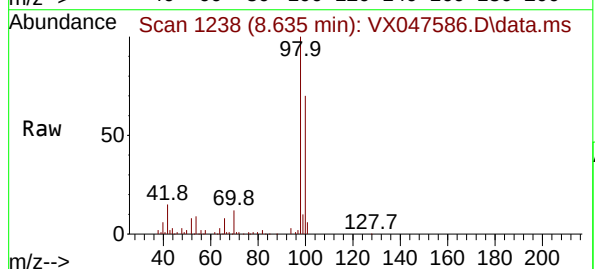
RT: 8.635 min Scan# 1238

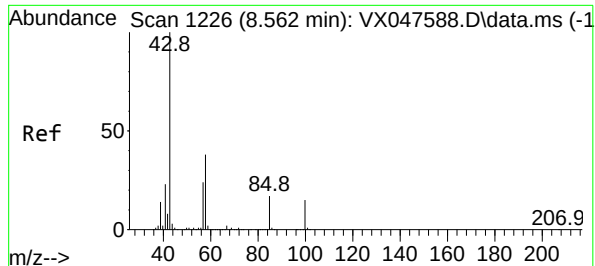
Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

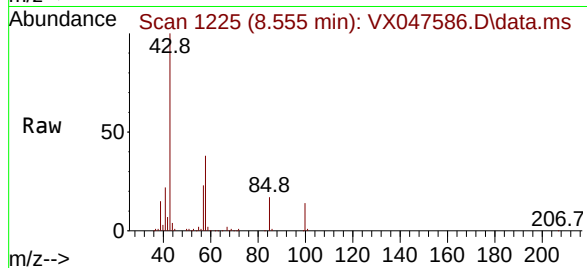
Tgt Ion:	98	Resp:	43926
Ion	Ratio	Lower	Upper
98	100		
100	68.4	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 25.828 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

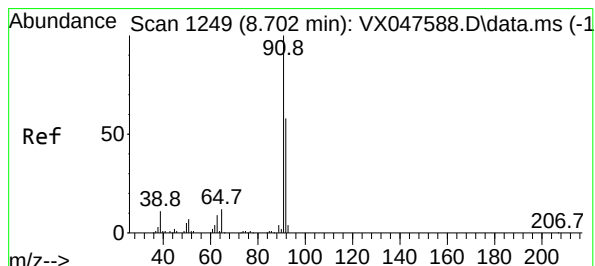
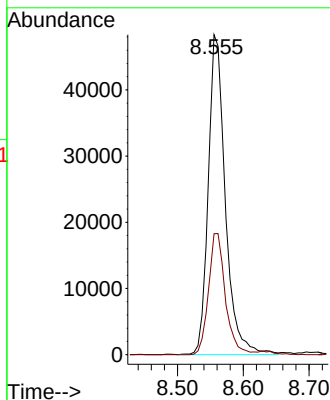
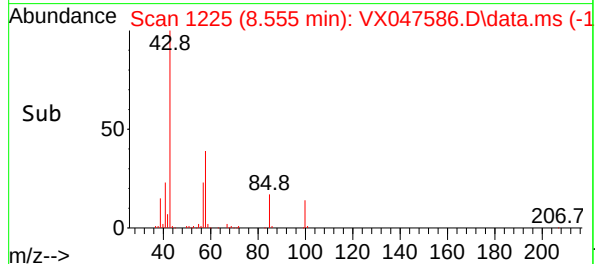
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 87492
Ion Ratio Lower Upper
43 100
58 37.7 30.3 45.5

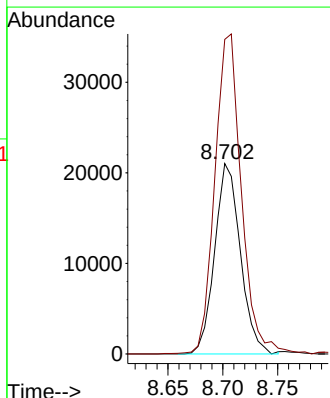
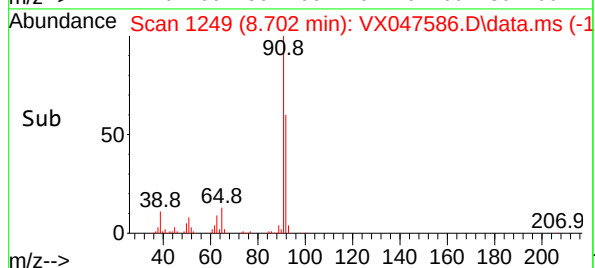
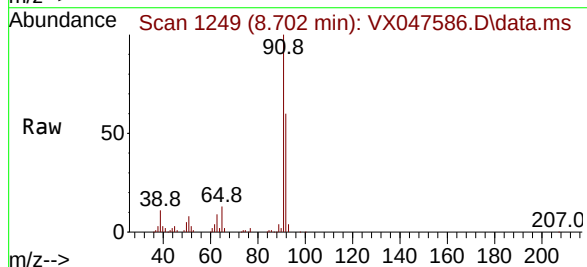
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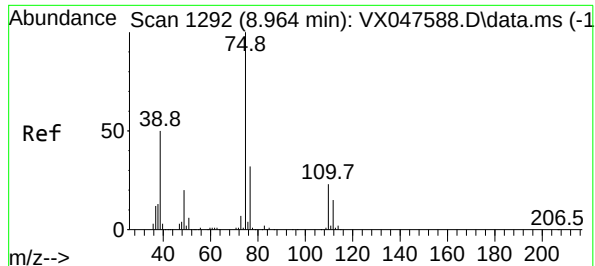
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#52
Toluene
Concen: 5.271 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 92 Resp: 34314
Ion Ratio Lower Upper
92 100
91 173.8 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 5.034 ug/l

RT: 8.964 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 2086

Ion Ratio Lower Upper

75 100

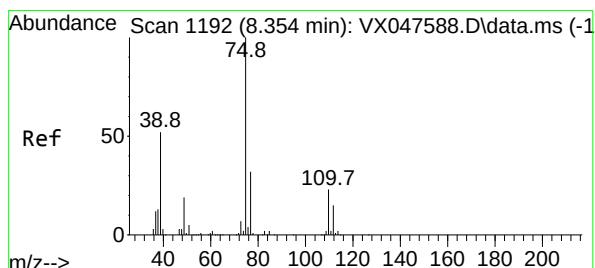
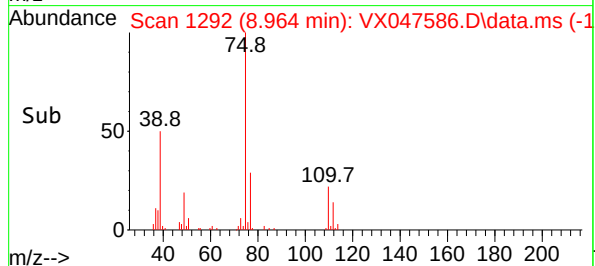
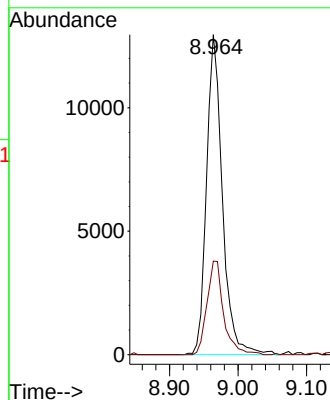
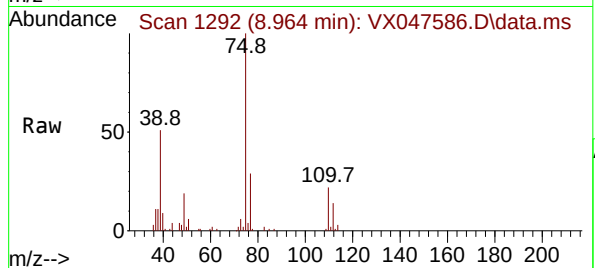
77 30.2 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#54

cis-1,3-Dichloropropene

Concen: 5.227 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

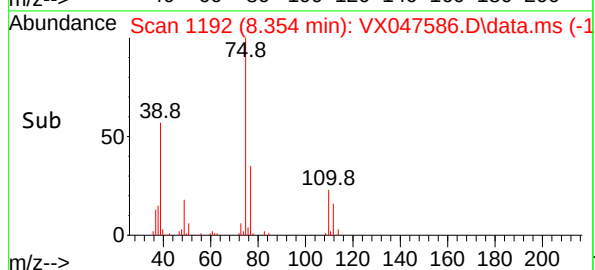
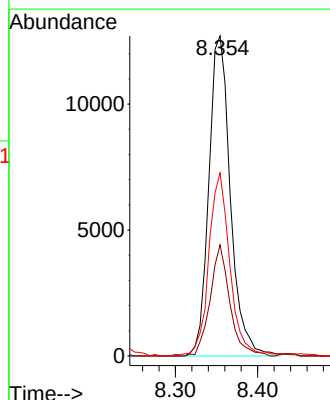
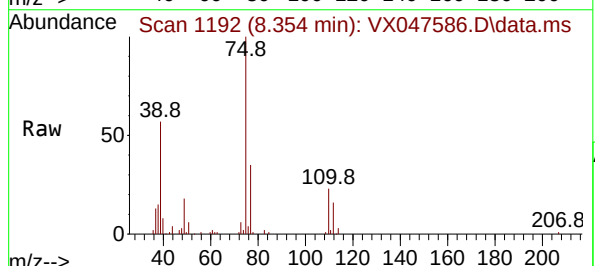
Tgt Ion: 75 Resp: 23157

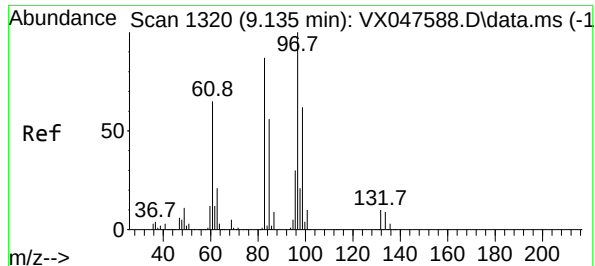
Ion Ratio Lower Upper

75 100

77 34.7 25.8 38.6

39 51.7 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 5.166 ug/l

RT: 9.135 min Scan# 1320

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 97 Resp: 1296

Ion Ratio Lower Upper

97 100

83 76.7 69.6 104.4

85 49.9 45.0 67.6

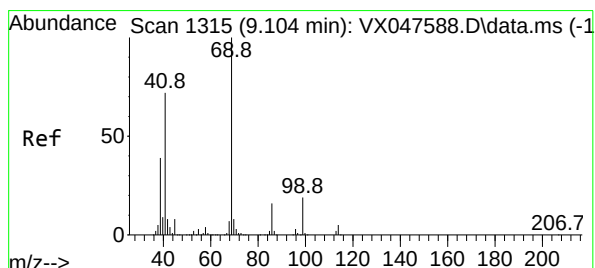
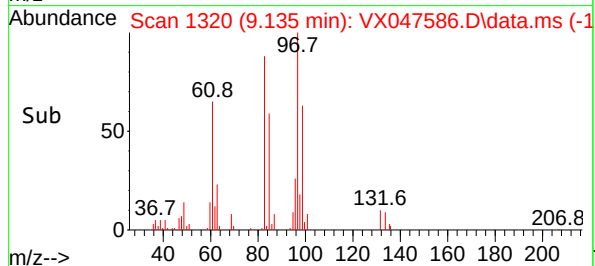
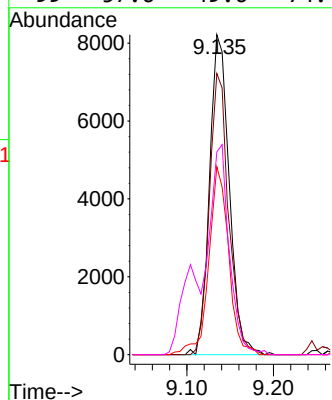
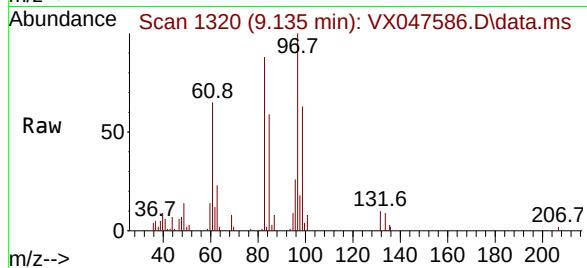
99 57.6 49.6 74.4

Manual Integrations

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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#56

Ethyl methacrylate

Concen: 5.068 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

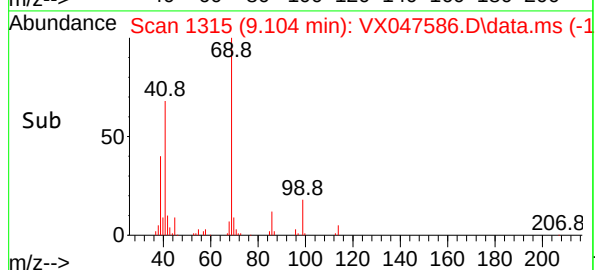
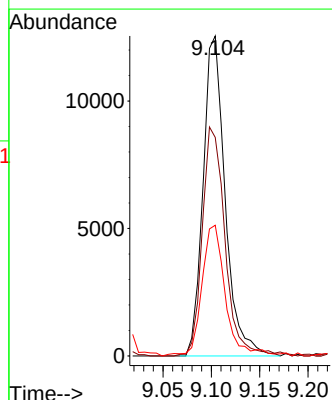
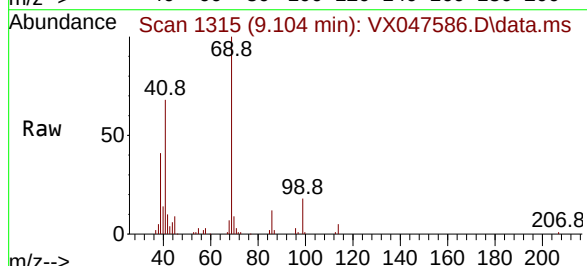
Tgt Ion: 69 Resp: 19980

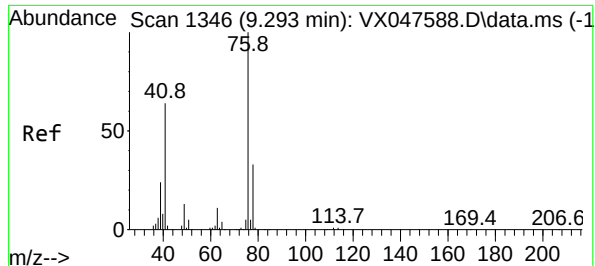
Ion Ratio Lower Upper

69 100

41 73.9 58.6 87.8

39 43.7 31.5 47.3





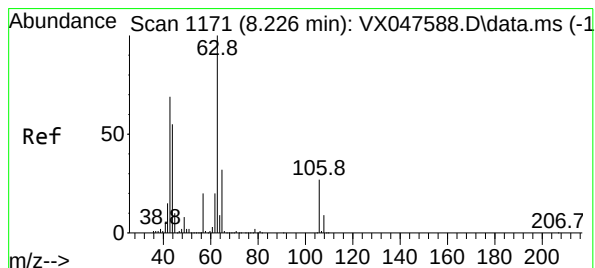
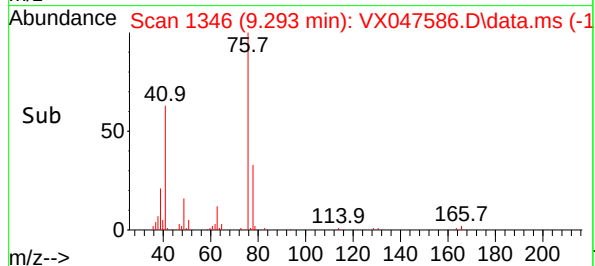
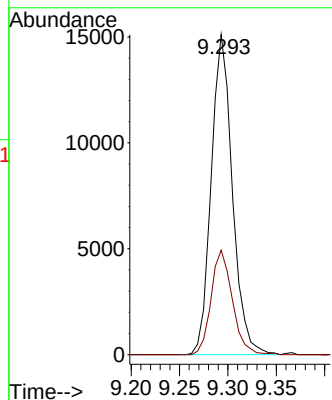
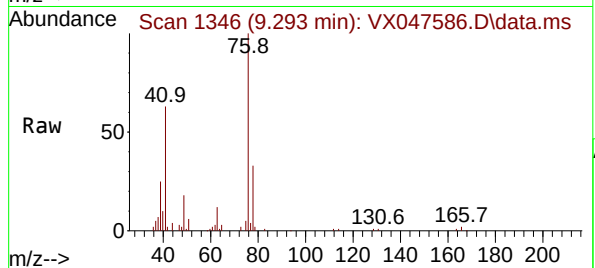
#57
1,3-Dichloropropane
Concen: 5.331 ug/l
RT: 9.293 min Scan# 11346
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 76 Resp: 22989
Ion Ratio Lower Upper
76 100
78 32.8 26.2 39.4

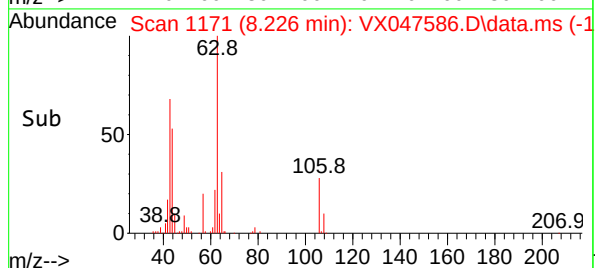
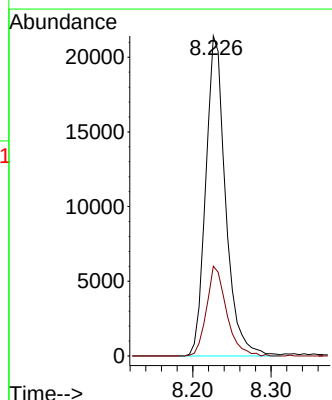
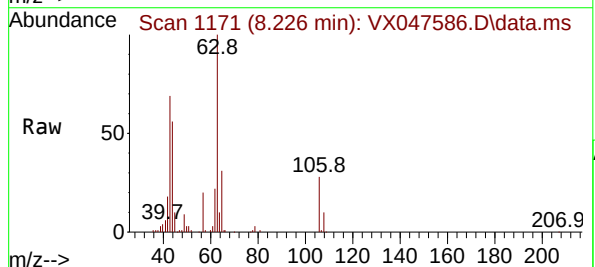
Manual Integrations
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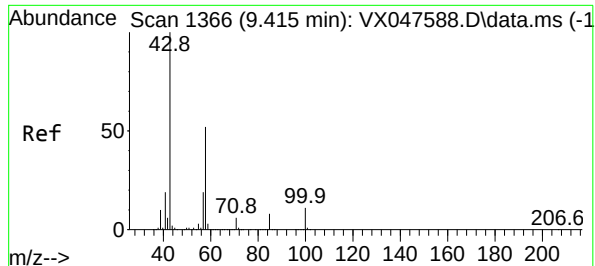
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#58
2-Chloroethyl Vinyl ether
Concen: 27.899 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 37585
Ion Ratio Lower Upper
63 100
106 28.3 21.9 32.9





#59

2-Hexanone

Concen: 27.275 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 66350

Ion Ratio Lower Upper

43 100

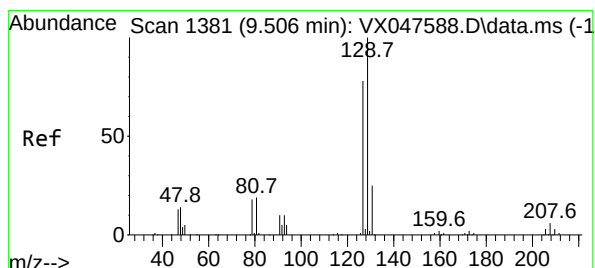
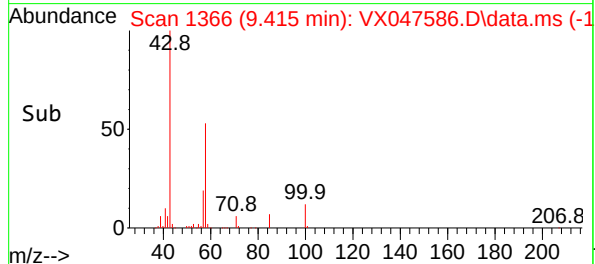
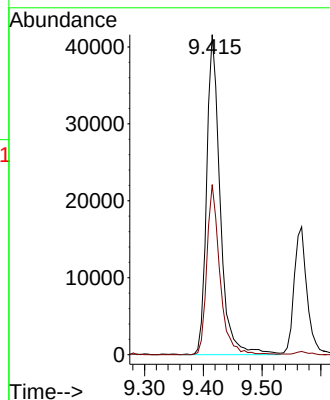
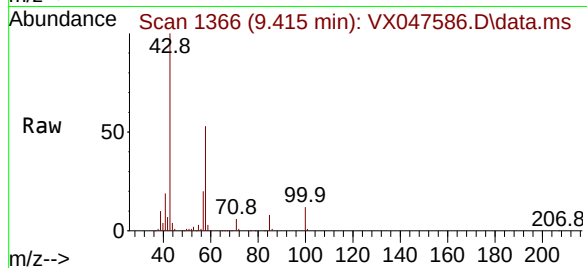
58 51.1 26.1 78.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#60

Dibromochloromethane

Concen: 5.084 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VX047586.D

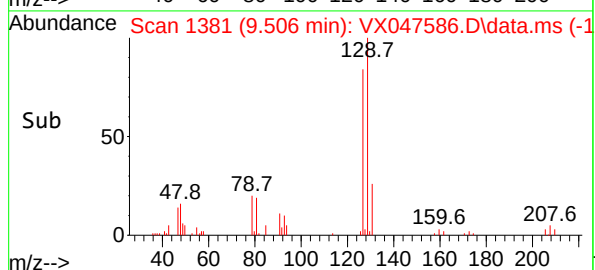
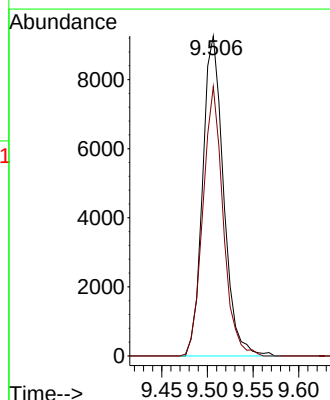
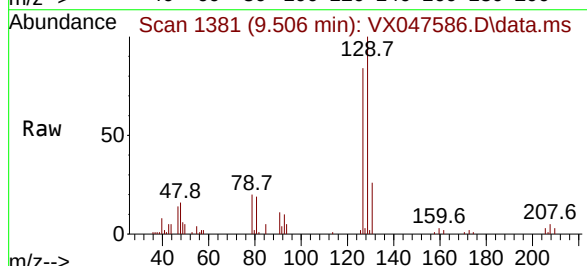
Acq: 16 Sep 2025 10:16

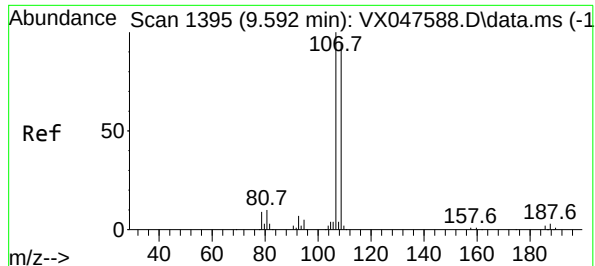
Tgt Ion:129 Resp: 14705

Ion Ratio Lower Upper

129 100

127 81.4 38.4 115.2





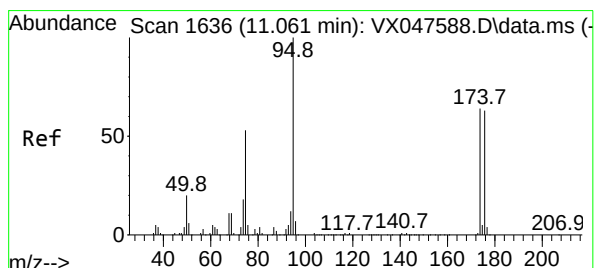
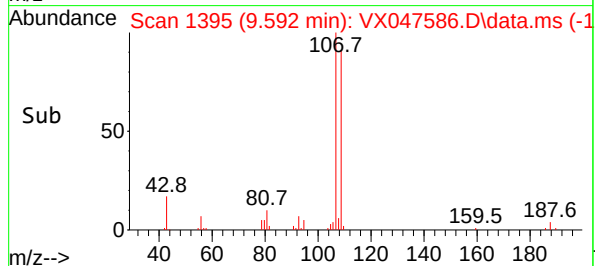
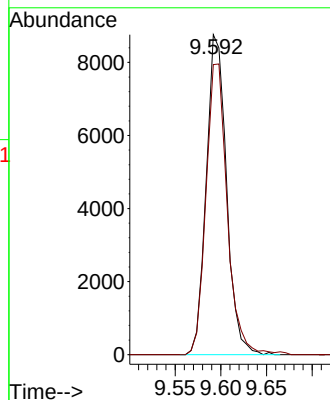
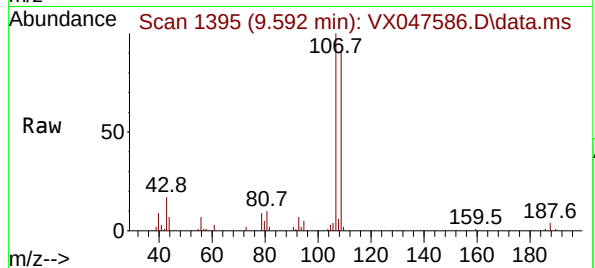
#61
1,2-Dibromoethane
Concen: 5.264 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 1346
Ion Ratio Lower Upper
107 100
109 95.6 75.3 112.9

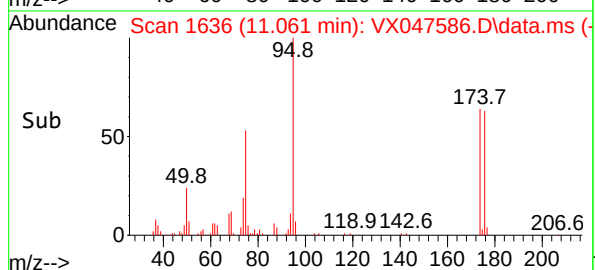
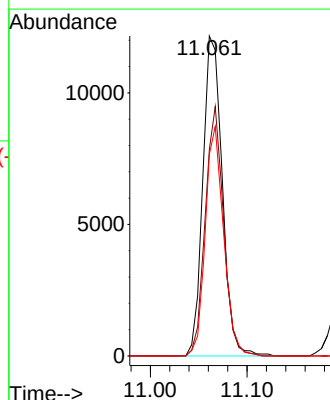
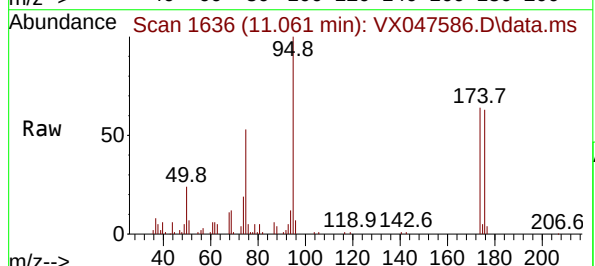
Manual Integrations
APPROVED

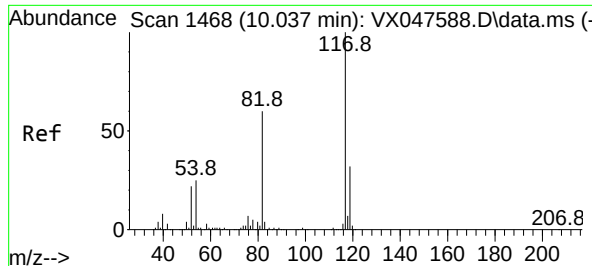
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#62
4-Bromofluorobenzene
Concen: 5.429 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 95 Resp: 16974
Ion Ratio Lower Upper
95 100
174 74.0 0.0 141.6
176 67.9 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

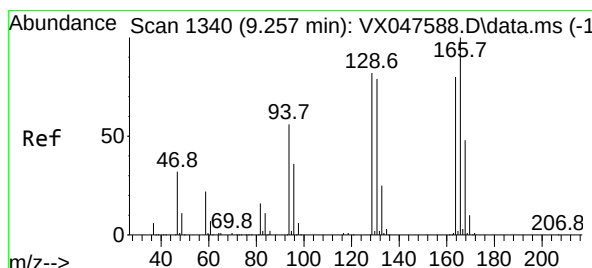
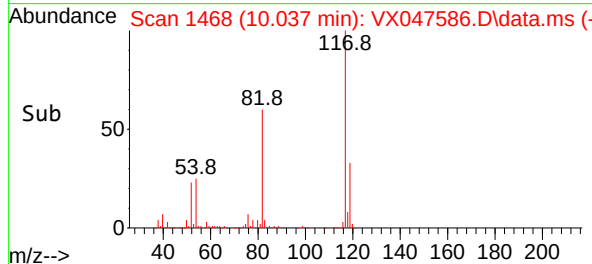
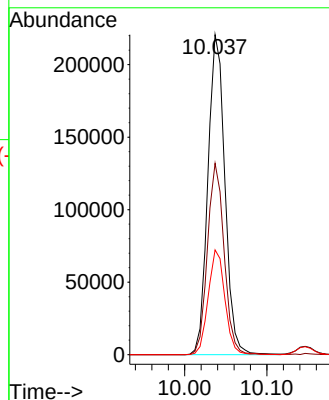
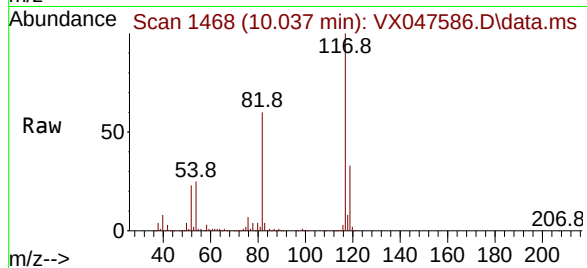
VSTDIC005

Tgt Ion:	117	Resp:	31728
Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.8	71.6
119	32.8	25.2	37.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#64

Tetrachloroethene

Concen: 5.428 ug/l

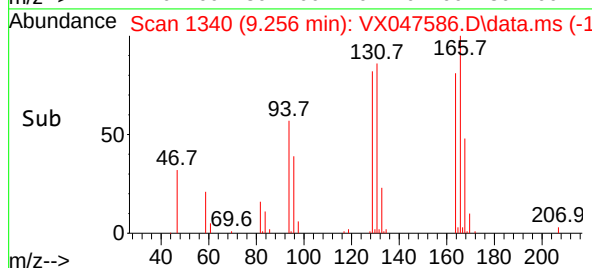
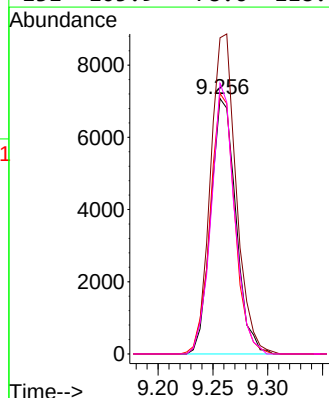
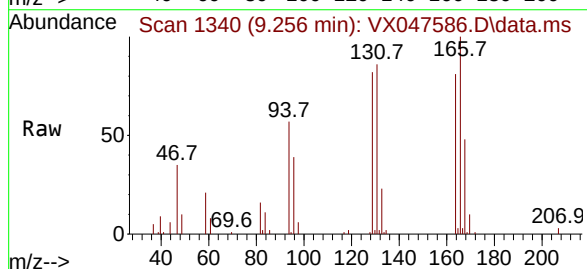
RT: 9.256 min Scan# 1340

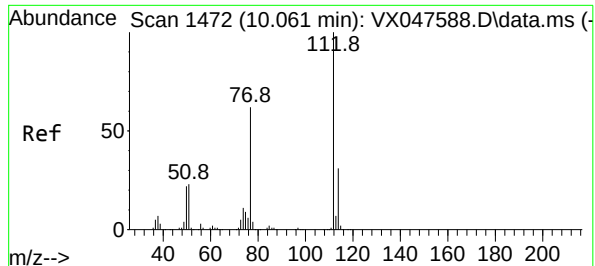
Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Tgt Ion:	164	Resp:	11228
Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.2	150.2
129	102.0	81.8	122.6
131	105.9	78.6	118.0





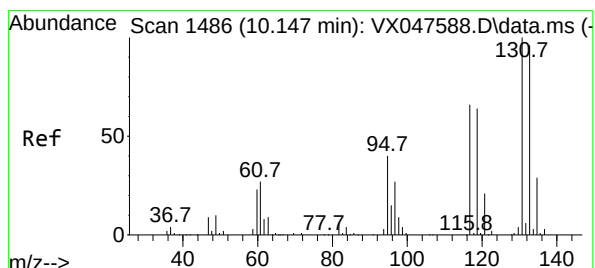
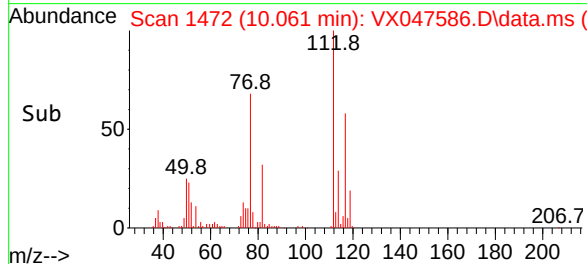
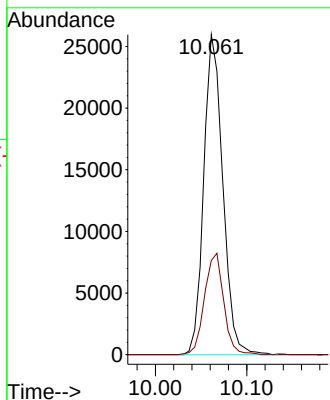
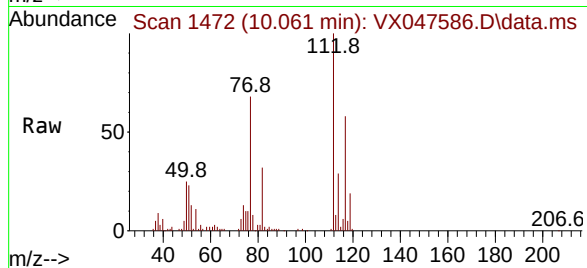
#65
Chlorobenzene
Concen: 5.203 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 3750
Ion Ratio Lower Upper
112 100
114 29.2 25.1 37.7

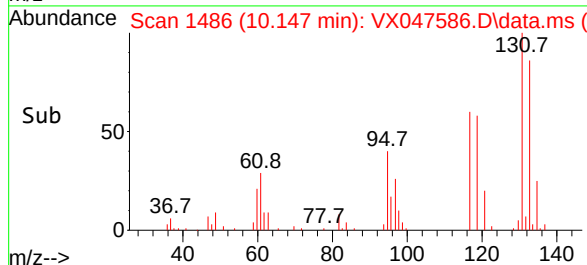
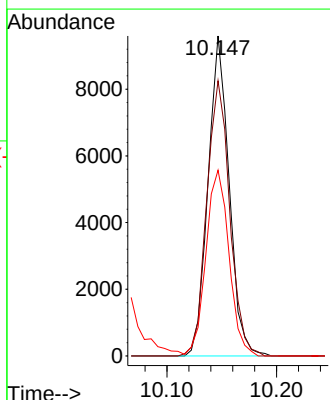
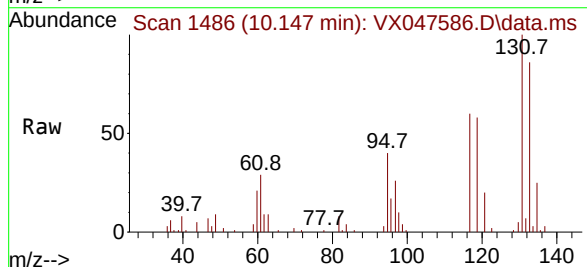
Manual Integrations
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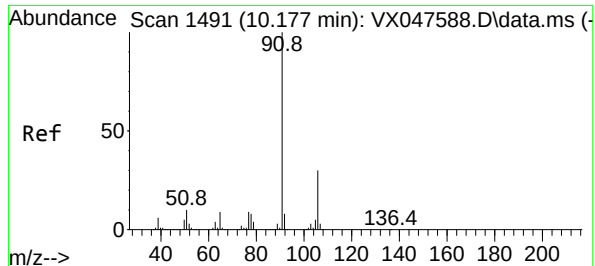
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 5.149 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:131 Resp: 12807
Ion Ratio Lower Upper
131 100
133 94.0 47.3 142.0
119 63.5 32.0 96.0





#67

Ethyl Benzene

Concen: 5.299 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 65908

Ion Ratio Lower Upper

91 100

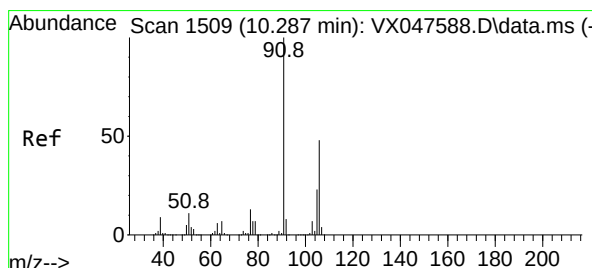
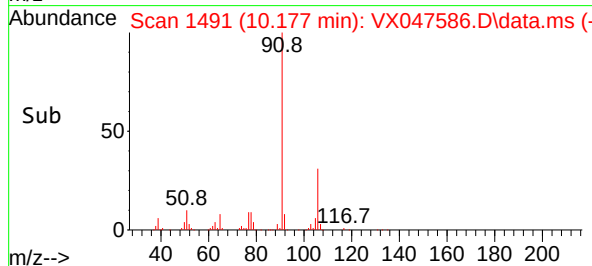
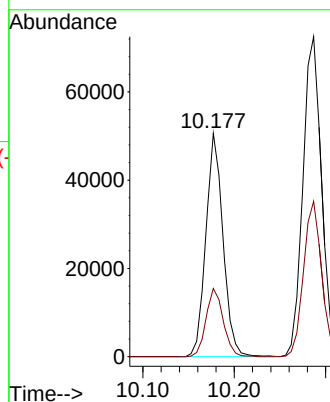
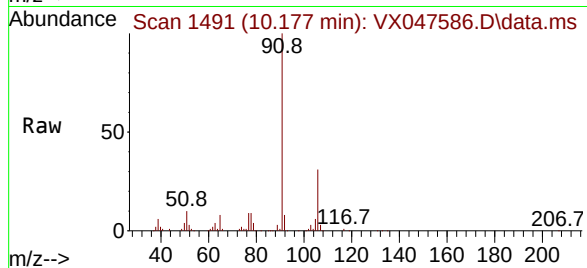
106 30.5 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#68

m/p-Xylenes

Concen: 10.613 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX047586.D

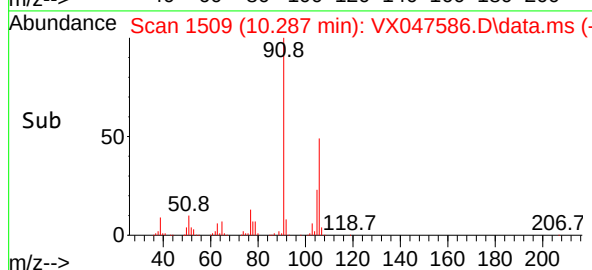
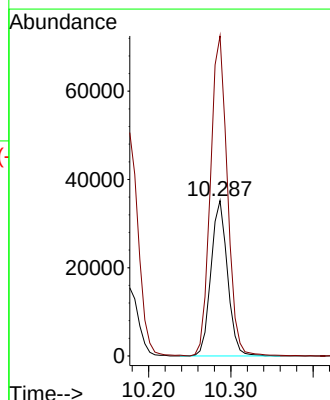
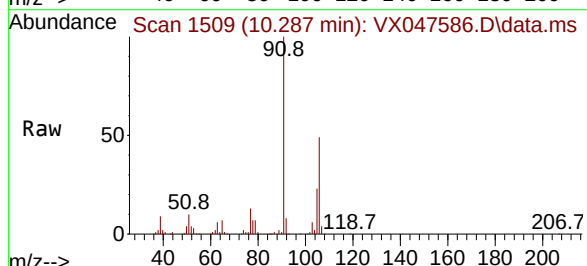
Acq: 16 Sep 2025 10:16

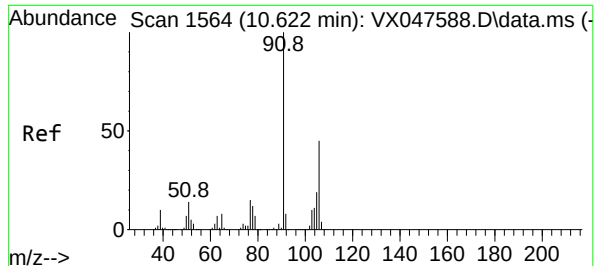
Tgt Ion:106 Resp: 49132

Ion Ratio Lower Upper

106 100

91 211.6 167.8 251.8





#69

o-Xylene

Concen: 5.204 ug/l

RT: 10.628 min Scan# 1564

Delta R.T. 0.006 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 23300

Ion Ratio Lower Upper

106 100

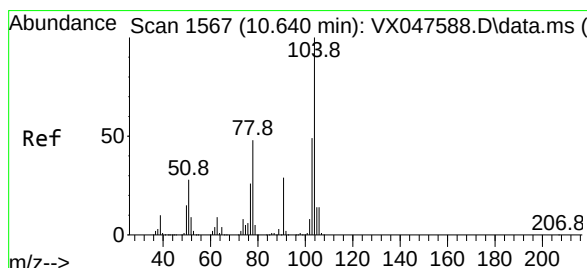
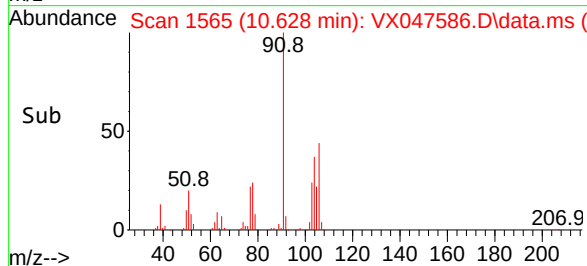
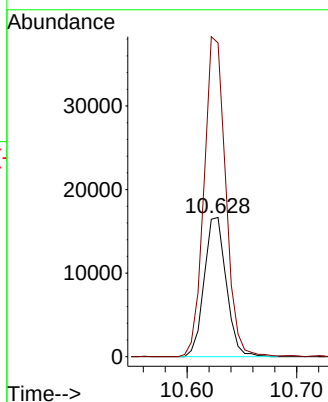
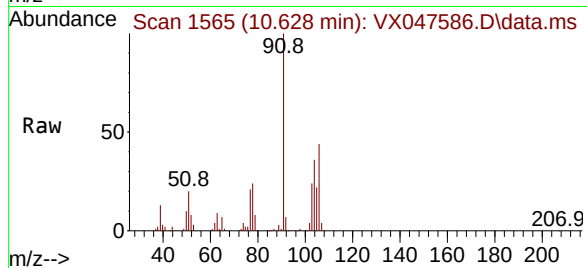
91 226.3 111.1 333.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#70

Styrene

Concen: 5.210 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

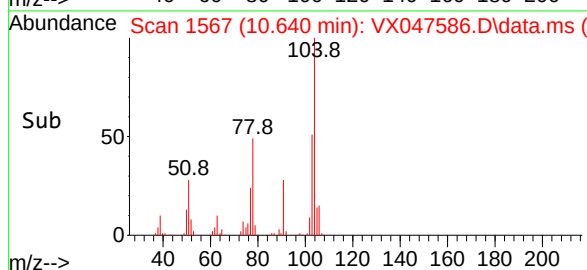
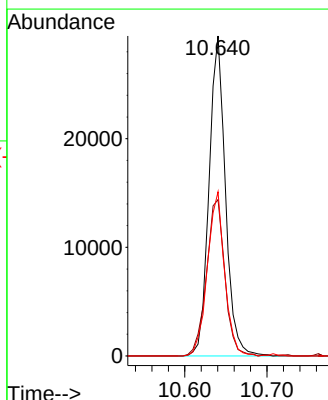
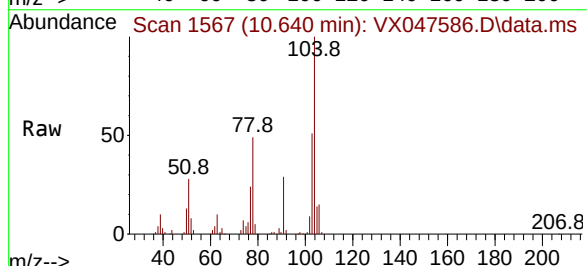
Tgt Ion:104 Resp: 40872

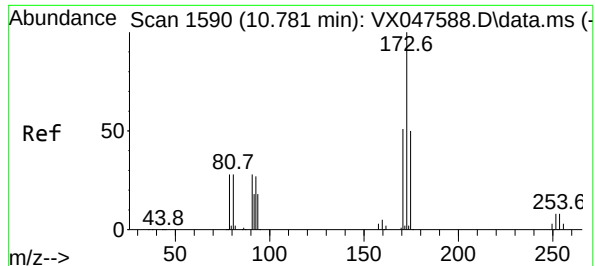
Ion Ratio Lower Upper

104 100

78 54.8 43.1 64.7

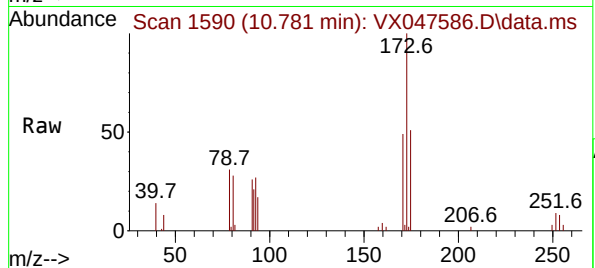
103 53.7 43.1 64.7





#71
Bromoform
Concen: 5.006 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

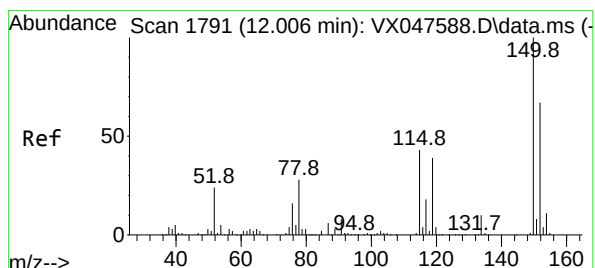
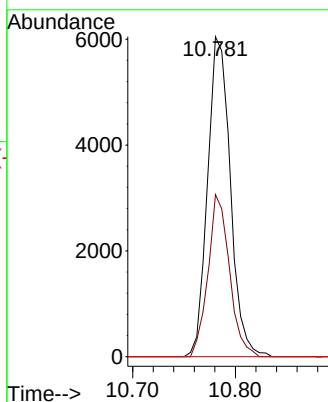
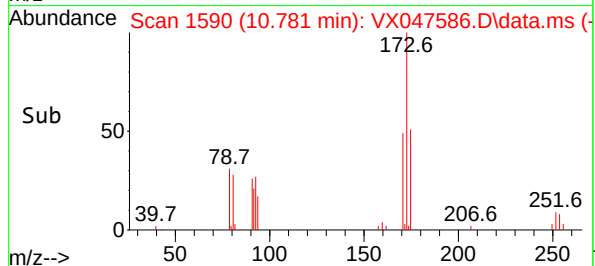
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



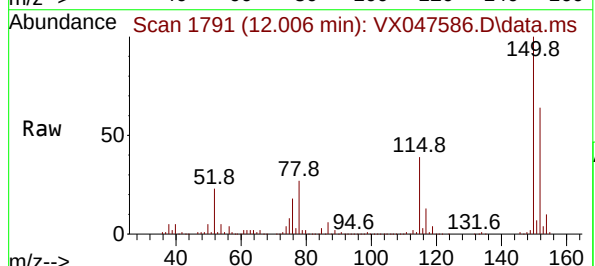
Tgt Ion:173 Resp: 9298
Ion Ratio Lower Upper
173 100
175 47.9 24.9 74.6
254 0.0 0.1 0.1

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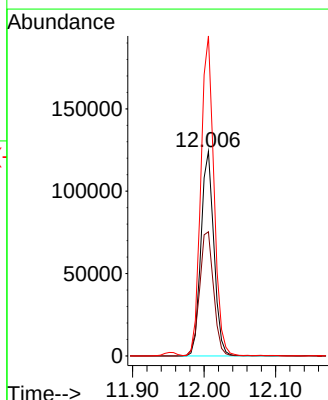
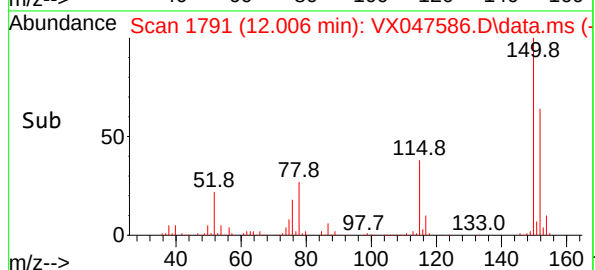
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

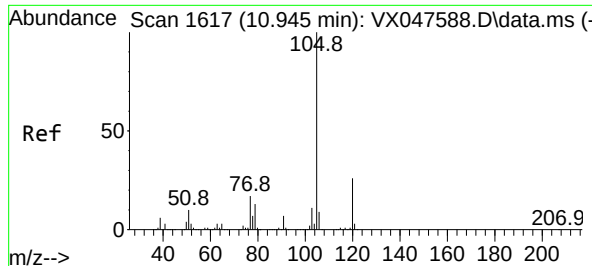


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16



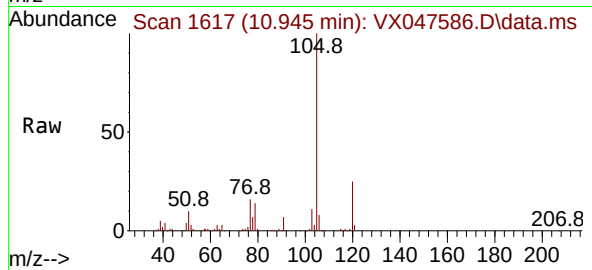
Tgt Ion:152 Resp: 156219
Ion Ratio Lower Upper
152 100
115 65.6 44.9 134.5
150 157.8 0.0 352.0





#73
Isopropylbenzene
Concen: 5.139 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

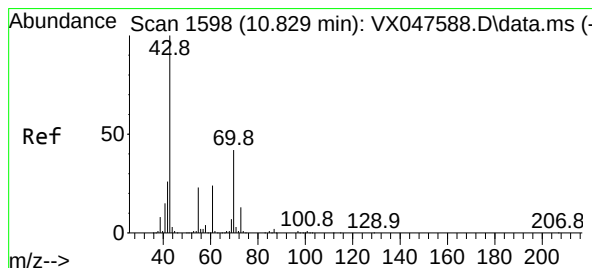
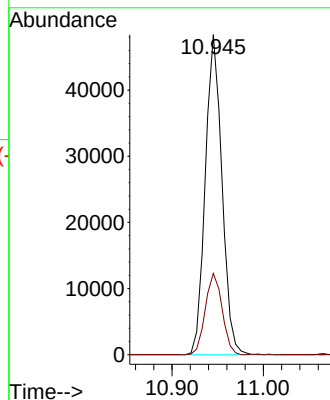
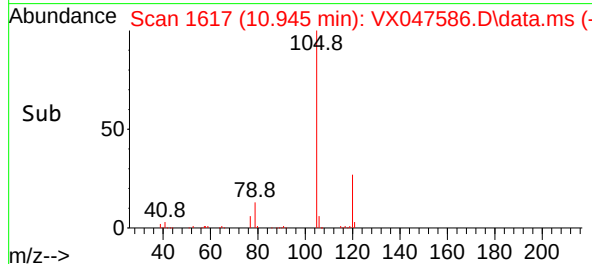
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 105 Resp: 61029
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.4

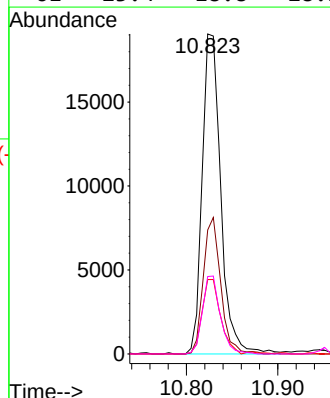
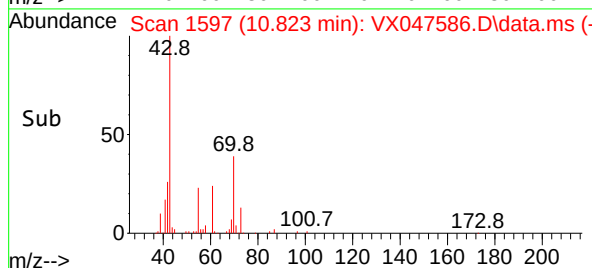
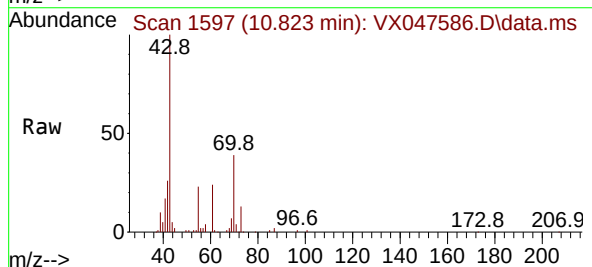
Manual Integrations
APPROVED

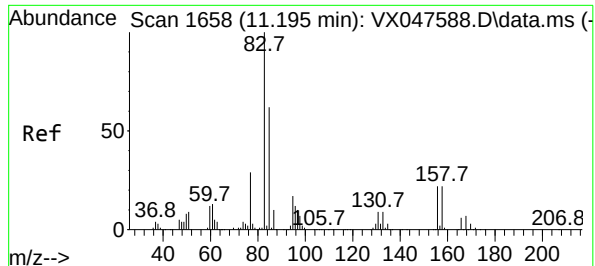
Reviewed By : John Carlone 09/17/2025
Supervised By : Mahesh Dadoda 09/18/2025



#74
N-ethyl acetate
Concen: 4.980 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 26969
Ion Ratio Lower Upper
43 100
70 39.9 32.0 48.0
55 23.1 18.9 28.3
61 23.4 18.8 28.2





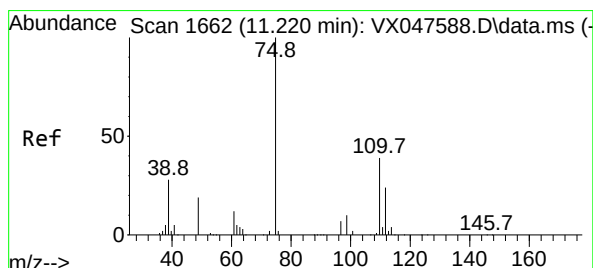
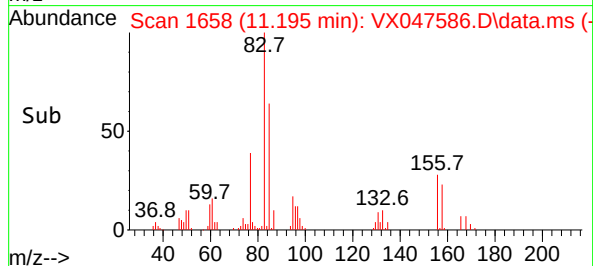
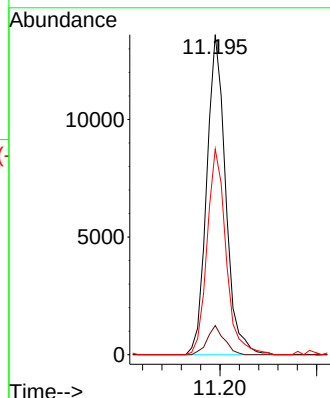
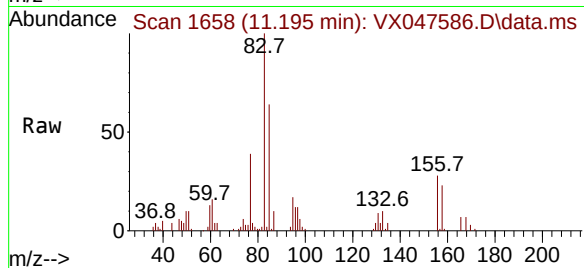
#75
1,1,2,2-Tetrachloroethane
Concen: 5.138 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 1846
Ion Ratio Lower Upper
83 100
131 8.2 5.0 14.9
85 64.4 31.6 95.0

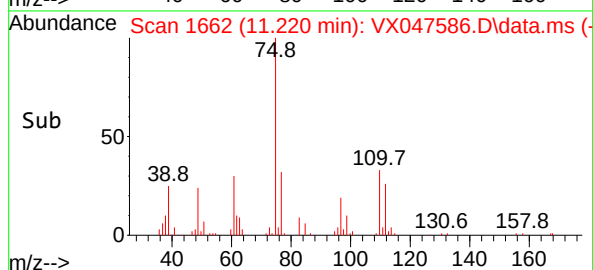
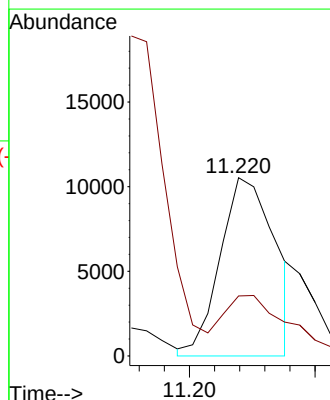
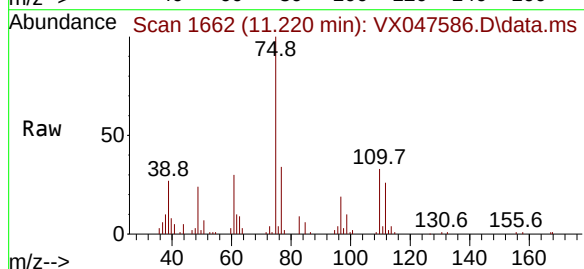
Manual Integrations
APPROVED

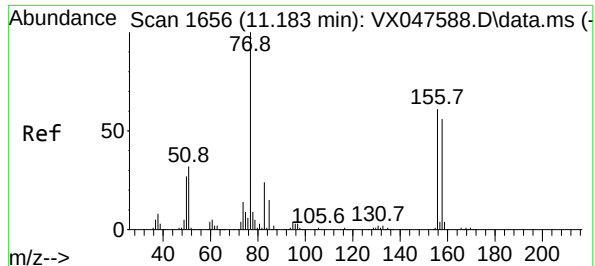
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#76
1,2,3-Trichloropropane
Concen: 4.927 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 15982
Ion Ratio Lower Upper
75 100
77 40.6 18.8 56.4





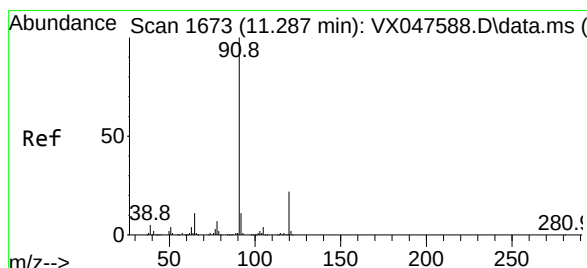
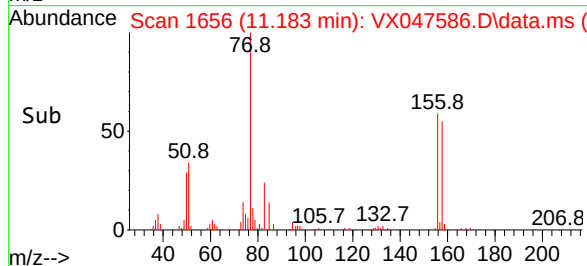
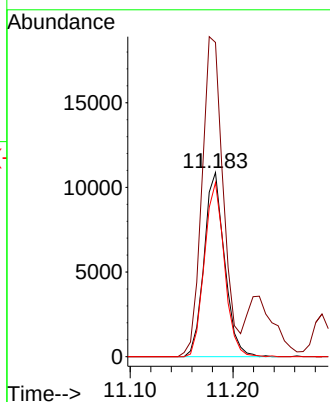
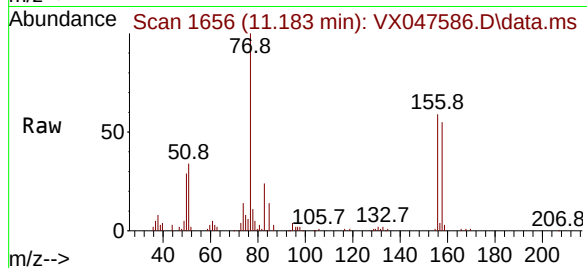
#77
Bromobenzene
Concen: 5.150 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
156	100		
77	180.3	89.7	269.1
158	92.6	47.9	143.6

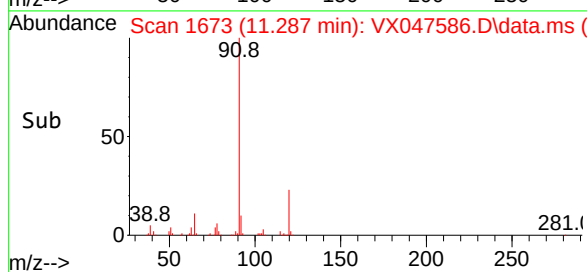
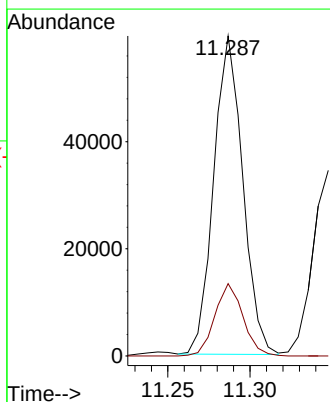
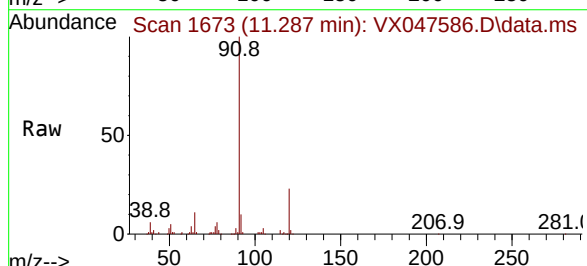
Manual Integrations
APPROVED

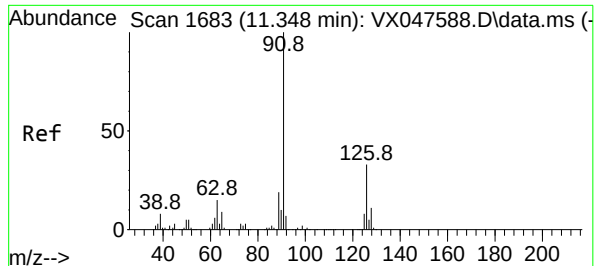
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#78
n-propylbenzene
Concen: 5.192 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1





#79

2-Chlorotoluene

Concen: 5.194 ug/l

RT: 11.348 min Scan# 1683

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 4466

Ion Ratio Lower Upper

91 100

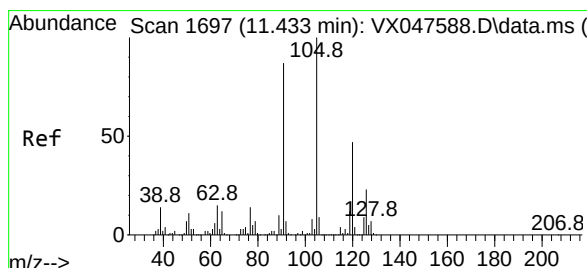
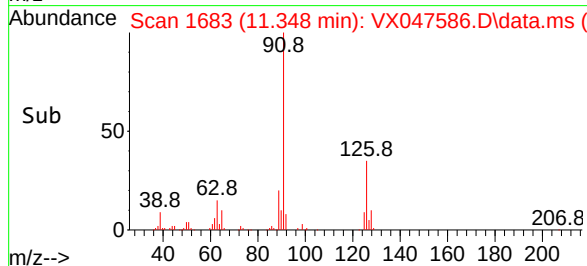
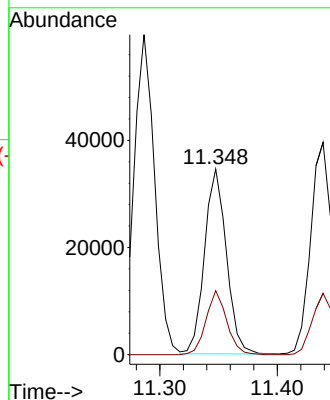
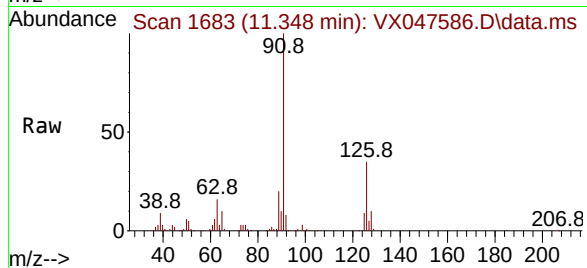
126 32.7 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#80

1,3,5-Trimethylbenzene

Concen: 5.179 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX047586.D

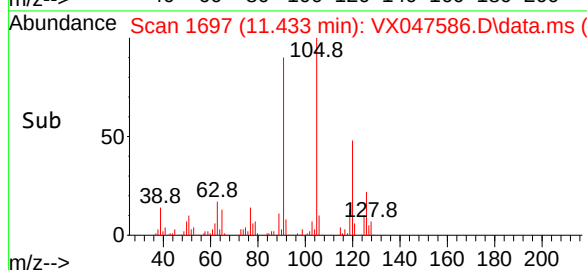
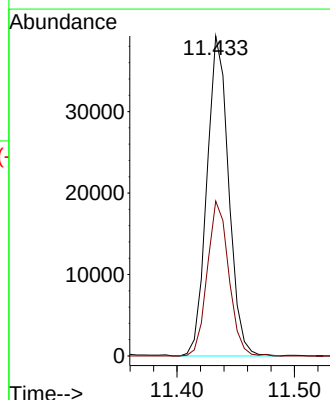
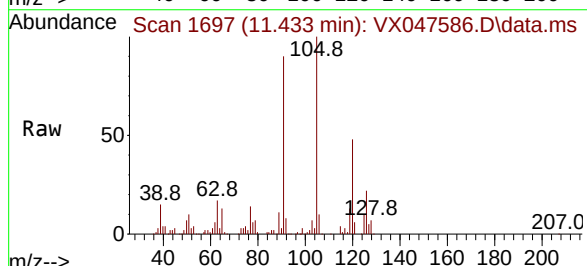
Acq: 16 Sep 2025 10:16

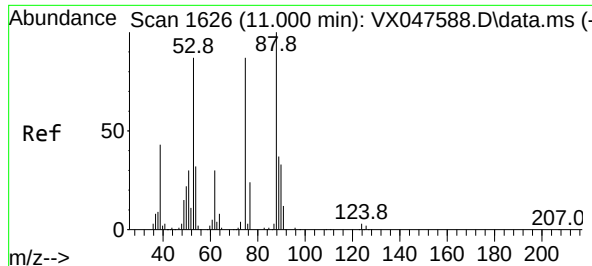
Tgt Ion:105 Resp: 50535

Ion Ratio Lower Upper

105 100

120 47.7 23.6 70.8





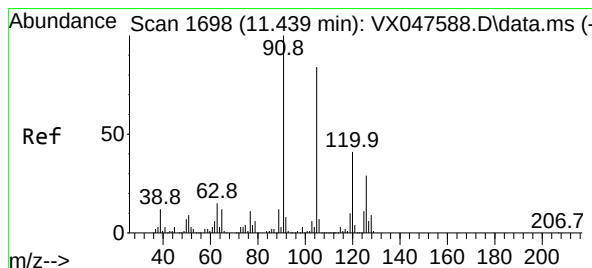
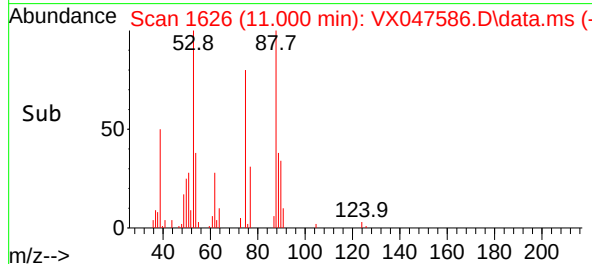
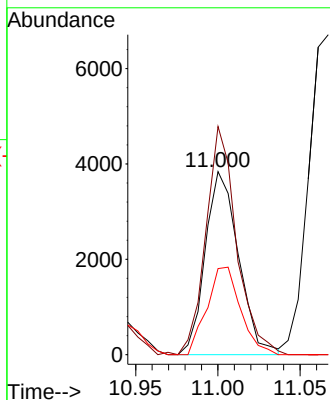
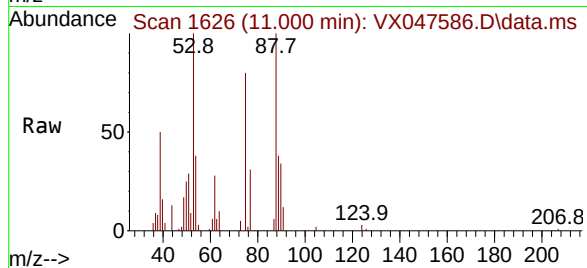
#81
trans-1,4-Dichloro-2-butene
Concen: 4.364 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:	75	Resp:	541
Ion	Ratio	Lower	Upper
75	100		
53	114.9	83.4	125.2
89	48.3	36.3	54.5

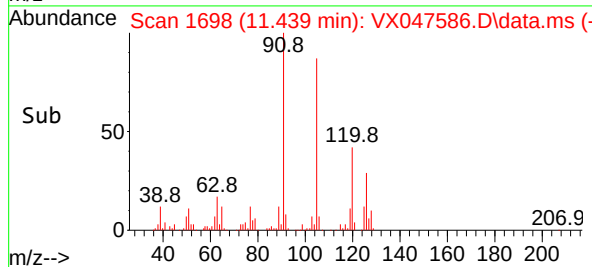
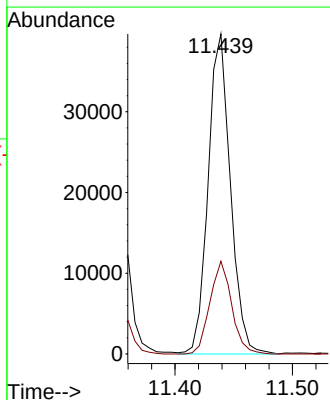
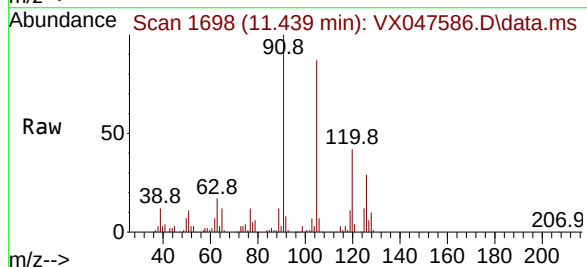
Manual Integrations
APPROVED

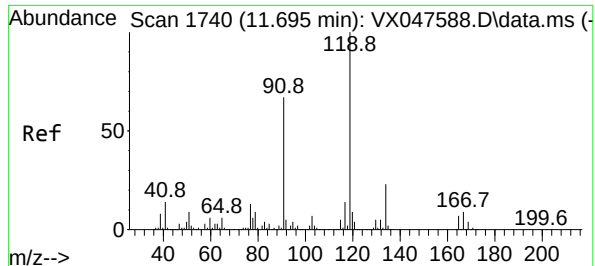
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#82
4-Chlorotoluene
Concen: 5.149 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:	91	Resp:	52294
Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6





#83

tert-Butylbenzene

Concen: 5.041 ug/l

RT: 11.695 min Scan# 1740

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

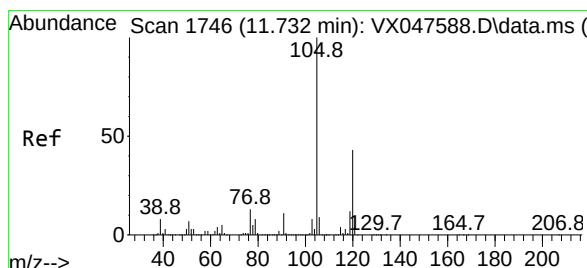
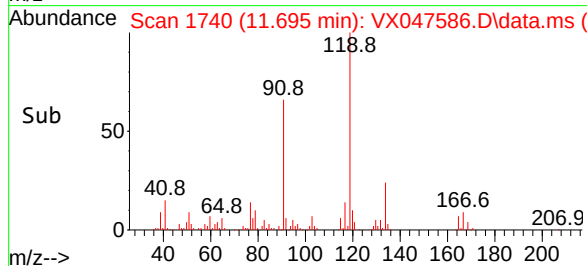
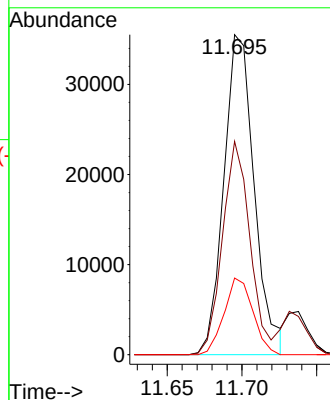
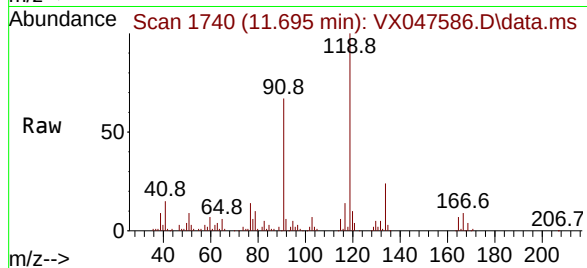
Tgt Ion:	119	Resp:	50350
Ion	Ratio	Lower	Upper
119	100		
91	60.1	29.6	88.8
134	22.7	11.0	33.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#84

1,2,4-Trimethylbenzene

Concen: 5.214 ug/l

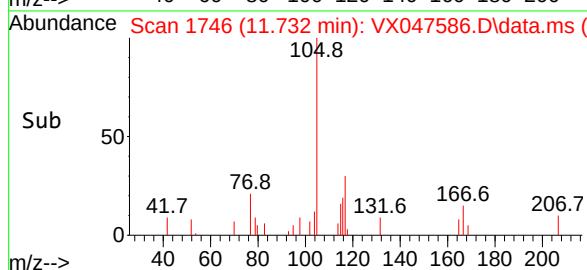
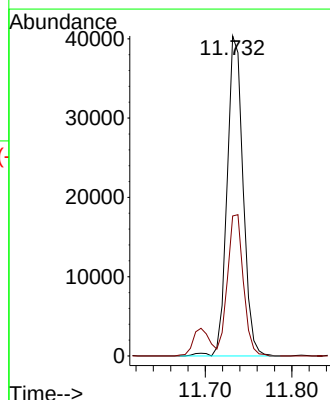
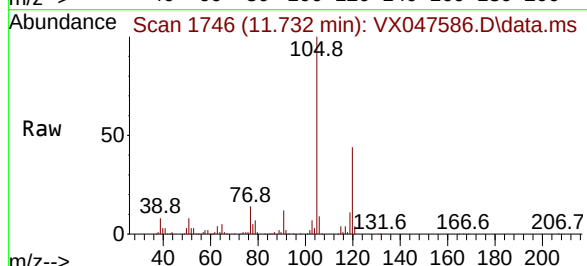
RT: 11.732 min Scan# 1746

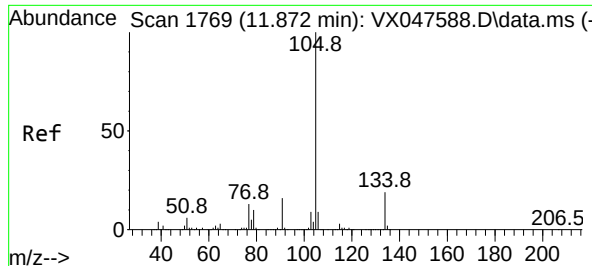
Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Tgt Ion:	105	Resp:	51583
Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1





#85

sec-Butylbenzene

Concen: 5.268 ug/l

RT: 11.872 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 6250

Ion Ratio Lower Upper

105 100

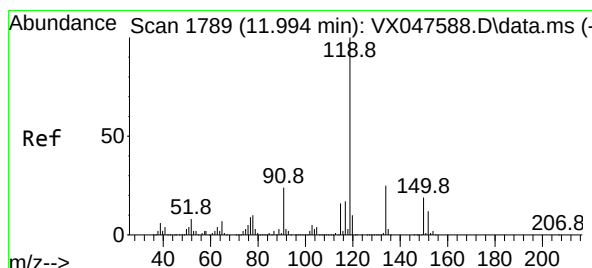
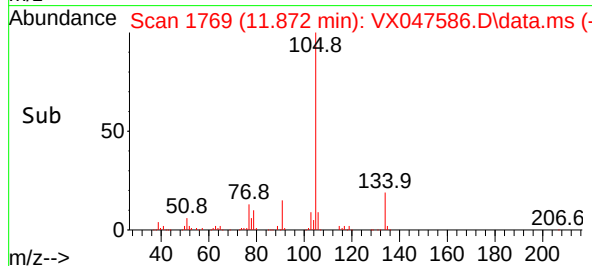
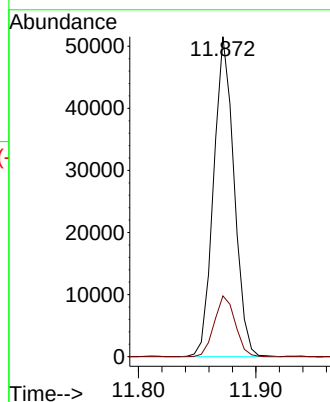
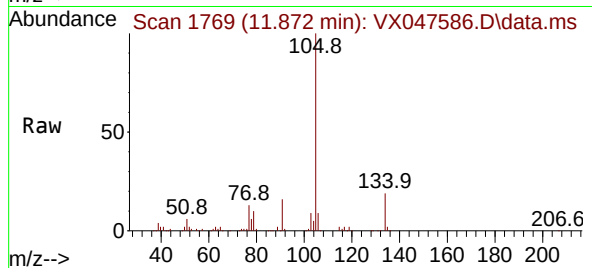
134 19.4 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#86

p-Isopropyltoluene

Concen: 5.244 ug/l

RT: 11.994 min Scan# 1789

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

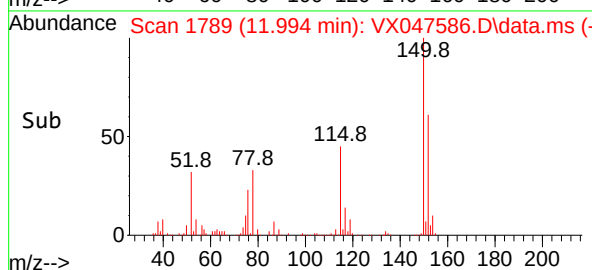
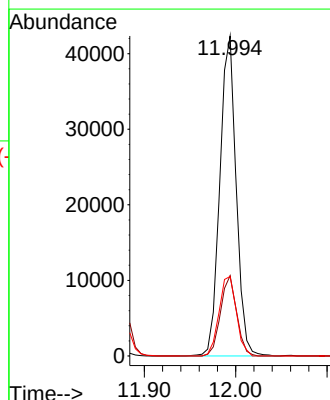
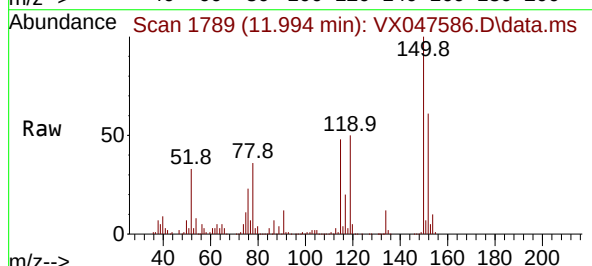
Tgt Ion:119 Resp: 52674

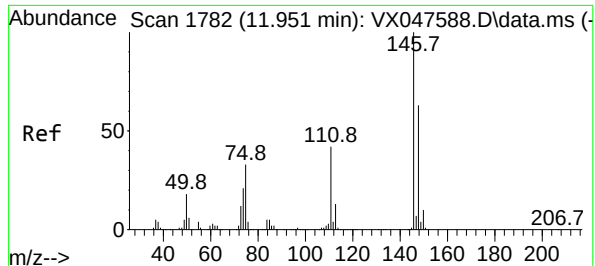
Ion Ratio Lower Upper

119 100

134 24.7 12.6 37.8

91 26.2 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 5.175 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

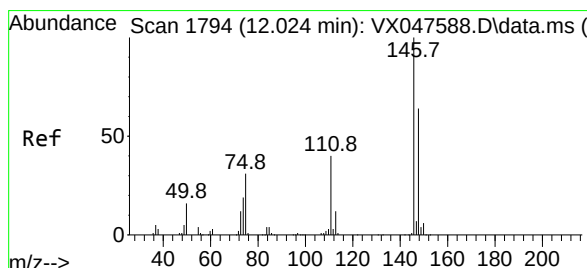
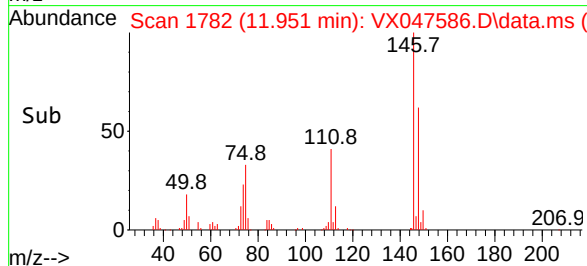
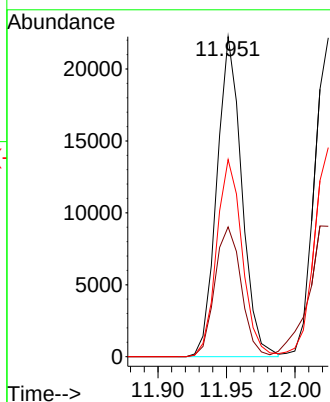
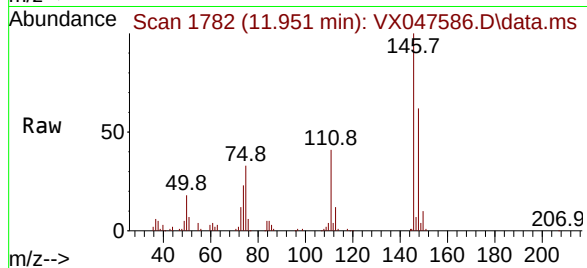
VSTDIC005

Tgt Ion:	146	Resp:	28110
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.5	64.5
148	63.4	32.0	96.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#88

1,4-Dichlorobenzene

Concen: 5.294 ug/l

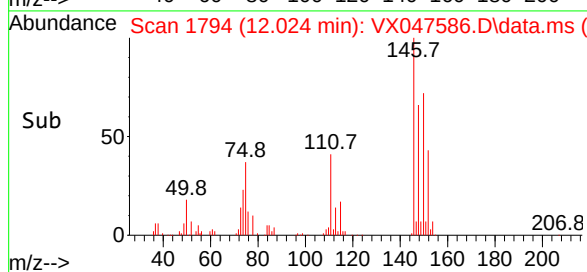
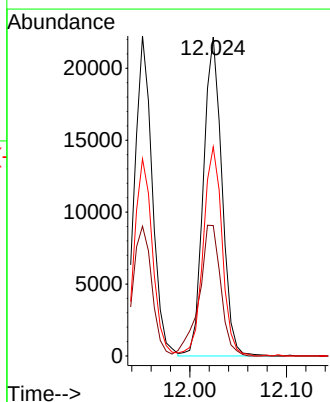
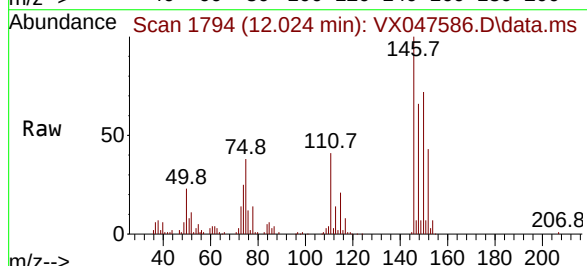
RT: 12.024 min Scan# 1794

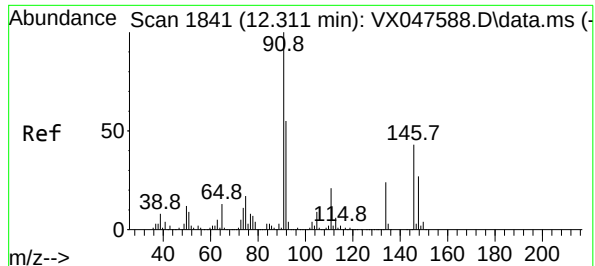
Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Tgt Ion:	146	Resp:	29519
Ion Ratio	Lower	Upper	
146	100		
111	47.8	20.8	62.4
148	66.9	31.7	95.1





#89

n-Butylbenzene

Concen: 5.159 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

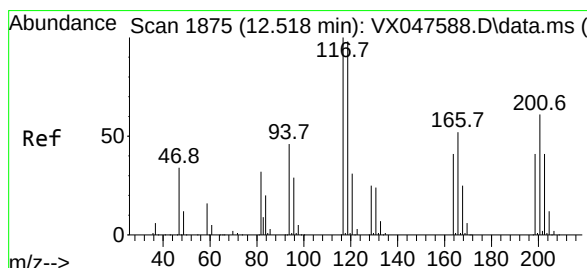
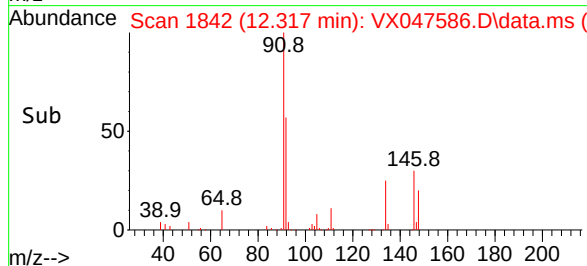
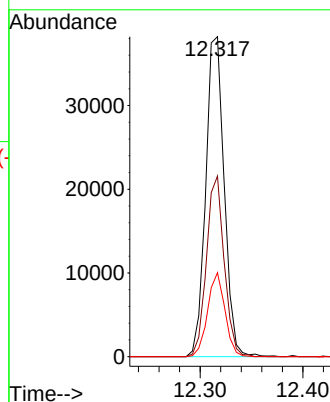
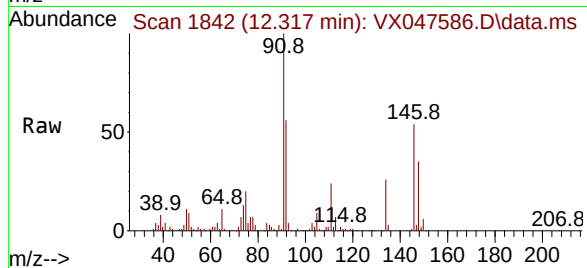
VSTDIC005

Tgt Ion:	91	Resp:	4795
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.7
134	24.6	12.6	37.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#90

Hexachloroethane

Concen: 5.007 ug/l

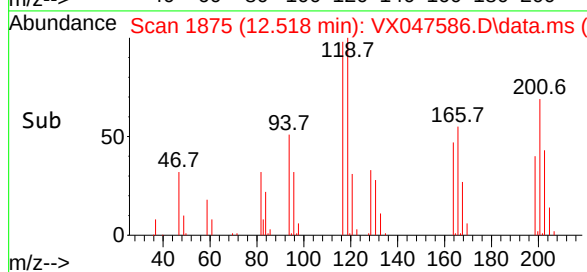
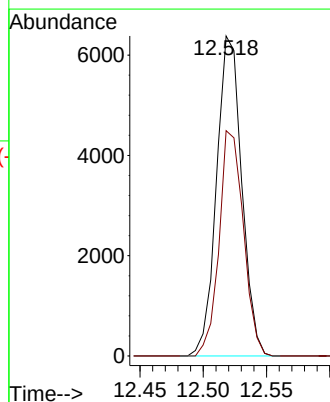
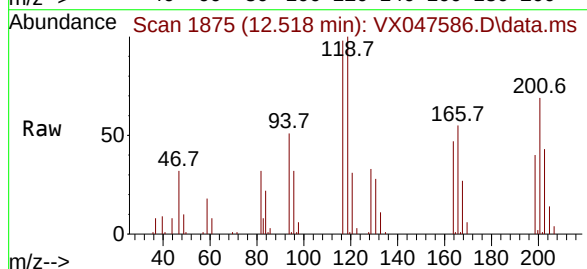
RT: 12.518 min Scan# 1875

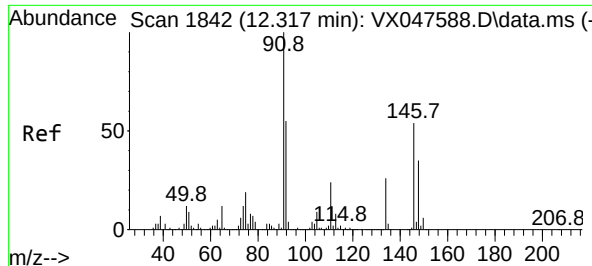
Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Tgt Ion:	117	Resp:	8830
Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.2	102.5





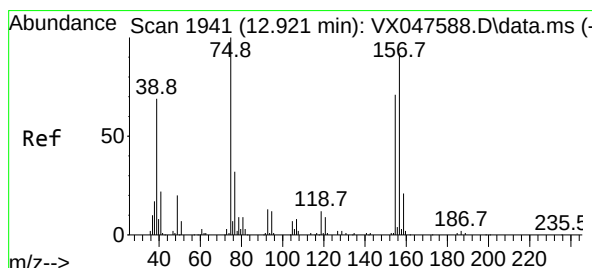
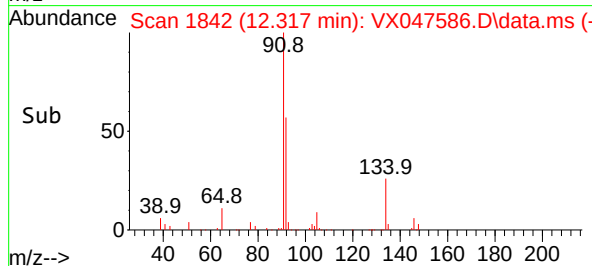
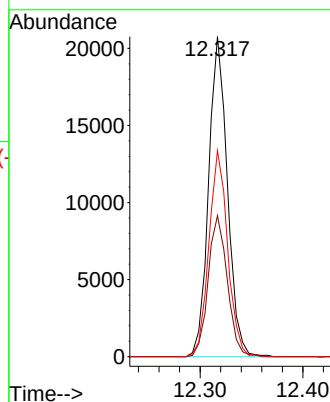
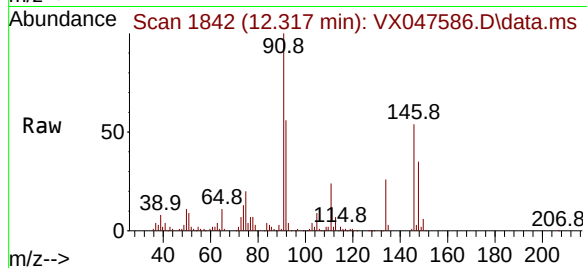
#91
1,2-Dichlorobenzene
Concen: 5.102 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.2	66.6
148	64.2	31.8	95.4

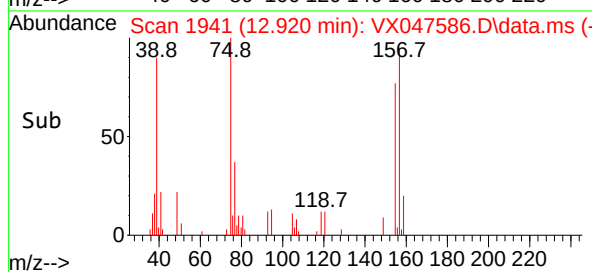
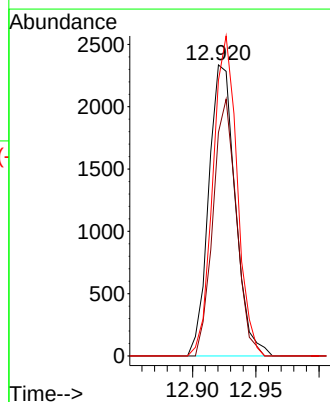
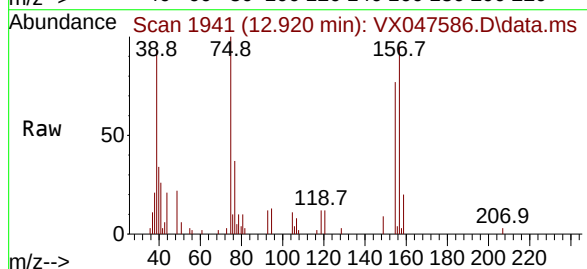
Manual Integrations
APPROVED

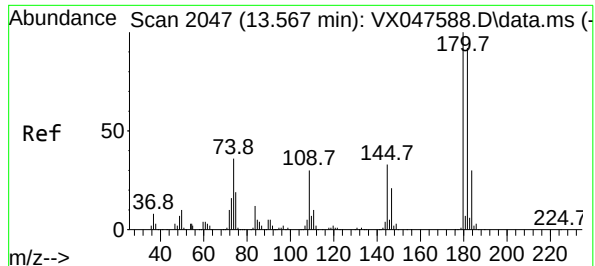
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.690 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.4	37.7	113.1
157	100.1	49.8	149.4





#93

1,2,4-Trichlorobenzene

Concen: 5.103 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

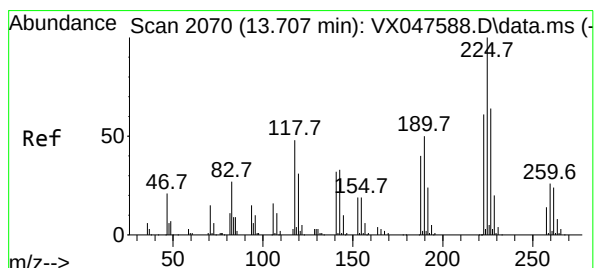
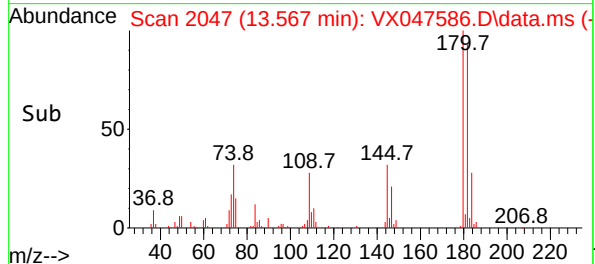
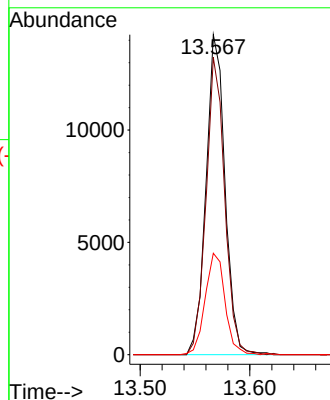
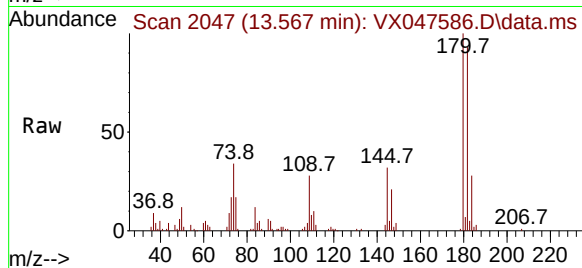
VSTDIC005

Tgt Ion:	180	Resp:	1716
Ion Ratio	Lower	Upper	
180	100		
182	91.2	46.6	139.8
145	33.2	16.4	49.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#94

Hexachlorobutadiene

Concen: 5.158 ug/l

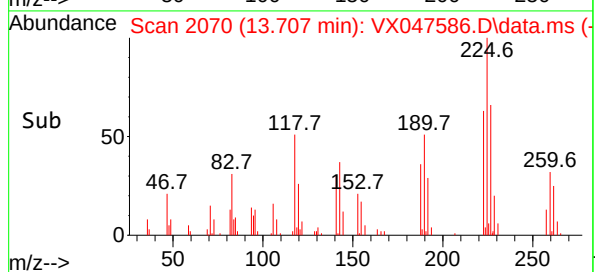
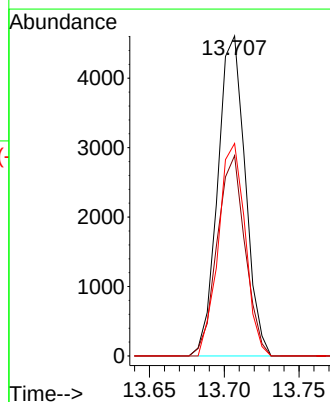
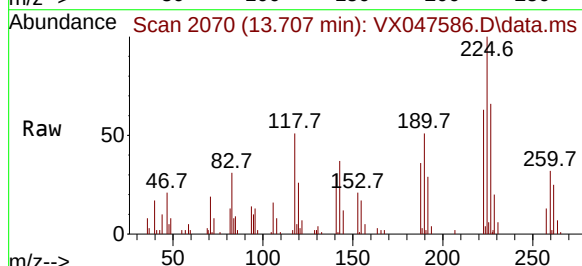
RT: 13.707 min Scan# 2070

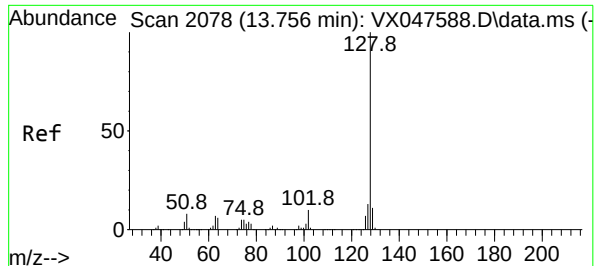
Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Tgt Ion:	225	Resp:	5894
Ion Ratio	Lower	Upper	
225	100		
223	63.7	31.7	95.1
227	64.7	32.0	96.0





#95

Naphthalene

Concen: 4.808 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

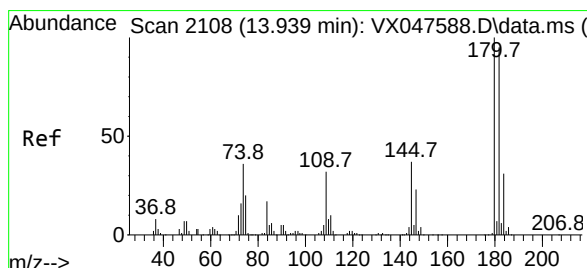
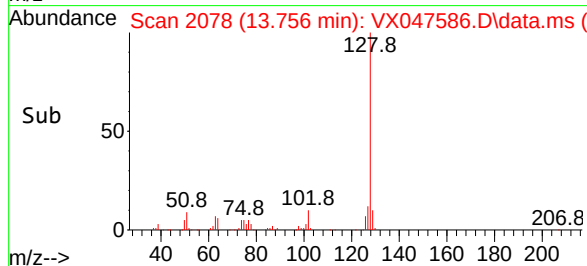
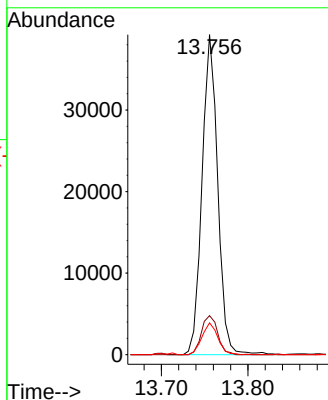
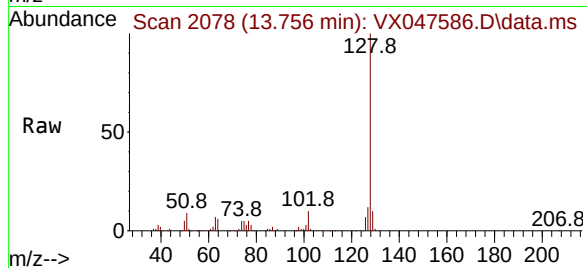
VSTDIC005

Tgt Ion:	128	Resp:	4925
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.1	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#96

1,2,3-Trichlorobenzene

Concen: 4.921 ug/l

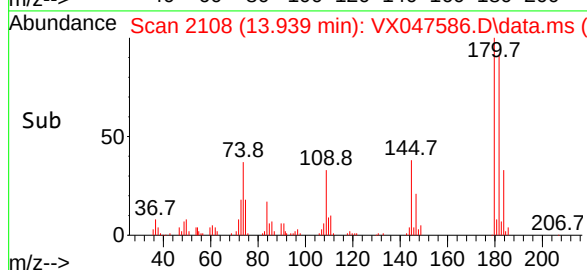
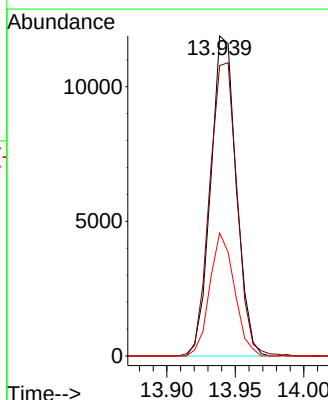
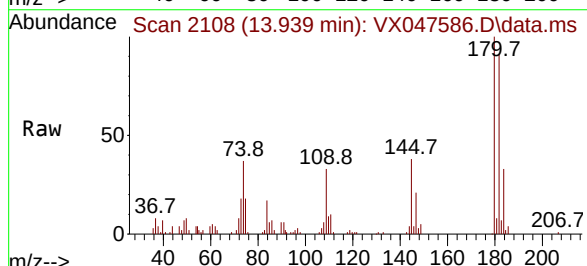
RT: 13.939 min Scan# 2108

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Tgt Ion:	180	Resp:	15400
Ion Ratio	Lower	Upper	
180	100		
182	98.0	47.6	142.8
145	37.1	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047587.D
 Acq On : 16 Sep 2025 10:37
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Sep 17 06:12:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	189559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	336287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	298629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	49073	16.264	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	32.520%#		
35) Dibromofluoromethane	5.379	113	35788	15.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	31.740%#		
50) Toluene-d8	8.634	98	126875	16.258	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	32.520%#		
62) 4-Bromofluorobenzene	11.067	95	48454	16.360	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	32.720%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	44126	22.480	ug/l	100
3) Chloromethane	1.300	50	56023	21.716	ug/l	96
4) Vinyl Chloride	1.386	62	54256	21.485	ug/l	96
5) Bromomethane	1.617	94	34193	21.353	ug/l	100
6) Chloroethane	1.697	64	35551	21.063	ug/l	97
7) Trichlorofluoromethane	1.898	101	78667	20.980	ug/l	100
8) Diethyl Ether	2.136	74	31335	20.429	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	45733	20.859	ug/l	98
10) Methyl Iodide	2.459	142	69935	20.452	ug/l	99
11) Tert butyl alcohol	2.946	59	32456	96.582	ug/l	98
12) 1,1-Dichloroethene	2.325	96	46863	20.808	ug/l	96
13) Acrolein	2.239	56	26159	84.473	ug/l	100
14) Allyl chloride	2.666	41	94710	20.379	ug/l	97
15) Acrylonitrile	3.062	53	130143	104.554	ug/l	99
16) Acetone	2.373	43	151538	115.507	ug/l	100
17) Carbon Disulfide	2.520	76	133296	21.620	ug/l	98
18) Methyl Acetate	2.703	43	54120	18.536	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	168426	20.486	ug/l	98
20) Methylene Chloride	2.788	84	57153	20.581	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	50413	20.791	ug/l	94
22) Diisopropyl ether	3.757	45	188598	20.940	ug/l	96
23) Vinyl Acetate	3.715	43	765675	106.218	ug/l	100
24) 1,1-Dichloroethane	3.605	63	98509	20.578	ug/l	99
25) 2-Butanone	4.538	43	179487	109.679	ug/l	94
26) 2,2-Dichloropropane	4.471	77	81413	20.459	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	60865	20.497	ug/l	98
28) Bromochloromethane	4.891	49	34085	16.309	ug/l	100
29) Tetrahydrofuran	4.995	42	102935	104.560	ug/l	97
30) Chloroform	5.080	83	103586	21.413	ug/l	99
31) Cyclohexane	5.464	56	82770	20.759	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	86500	21.081	ug/l	99
36) 1,1-Dichloropropene	5.684	75	68395	20.754	ug/l	99
37) Ethyl Acetate	4.702	43	74499	21.113	ug/l	96
38) Carbon Tetrachloride	5.665	117	74636	20.844	ug/l	95
39) Methylcyclohexane	7.366	83	79499	21.251	ug/l	98
40) Benzene	6.025	78	210711	21.051	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047587.D
 Acq On : 16 Sep 2025 10:37
 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 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:12:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	38525	21.148	ug/l	99
42) 1,2-Dichloroethane	6.074	62	80646	21.175	ug/l	99
43) Isopropyl Acetate	6.324	43	119623	20.670	ug/l	100
44) Trichloroethene	7.110	130	51369	21.228	ug/l	97
45) 1,2-Dichloropropane	7.415	63	53046	20.697	ug/l	97
46) Dibromomethane	7.568	93	38910	20.862	ug/l	99
47) Bromodichloromethane	7.805	83	80831	21.002	ug/l	98
48) Methyl methacrylate	7.677	41	60182	20.877	ug/l	98
49) 1,4-Dioxane	7.647	88	12047	413.530	ug/l	95
51) 4-Methyl-2-Pentanone	8.561	43	338370	105.456	ug/l	100
52) Toluene	8.708	92	129193	20.950	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	80972	20.625	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	86648	20.650	ug/l	99
55) 1,1,2-Trichloroethane	9.140	97	49857	20.967	ug/l	98
56) Ethyl methacrylate	9.104	69	79011	21.158	ug/l	99
57) 1,3-Dichloropropane	9.293	76	85511	20.934	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	141395	86.617	ug/l	100
59) 2-Hexanone	9.415	43	250007	108.488	ug/l	99
60) Dibromochloromethane	9.506	129	57994	21.167	ug/l	99
61) 1,2-Dibromoethane	9.598	107	51614	21.310	ug/l	99
64) Tetrachloroethene	9.262	164	40840	20.979	ug/l	95
65) Chlorobenzene	10.061	112	140642	20.731	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	48022	20.513	ug/l	99
67) Ethyl Benzene	10.177	91	244737	20.907	ug/l	98
68) m/p-Xylenes	10.287	106	182778	41.951	ug/l	100
69) o-Xylene	10.628	106	87651	20.799	ug/l	98
70) Styrene	10.640	104	154077	20.866	ug/l	99
71) Bromoform	10.780	173	35922	20.550	ug/l #	98
73) Isopropylbenzene	10.945	105	225730	20.970	ug/l	99
74) N-amyl acetate	10.829	43	104823	21.354	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	68132	20.920	ug/l	99
76) 1,2,3-Trichloropropane	11.225	75	60797m	20.680	ug/l	
77) Bromobenzene	11.183	156	56161	21.183	ug/l	99
78) n-propylbenzene	11.286	91	268399	21.092	ug/l	100
79) 2-Chlorotoluene	11.347	91	166237	21.329	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	187513	21.202	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	21553	19.173	ug/l	96
82) 4-Chlorotoluene	11.439	91	193122	20.980	ug/l	100
83) tert-Butylbenzene	11.695	119	189484	20.929	ug/l	100
84) 1,2,4-Trimethylbenzene	11.738	105	191477	21.355	ug/l	98
85) sec-Butylbenzene	11.872	105	223434	20.777	ug/l	100
86) p-Isopropyltoluene	11.994	119	190931	20.972	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	103584	21.035	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	105819	20.937	ug/l	99
89) n-Butylbenzene	12.317	91	176373	20.937	ug/l	99
90) Hexachloroethane	12.518	117	32526	20.349	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	99493	21.207	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	13729	20.821	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	62722	20.571	ug/l	96
94) Hexachlorobutadiene	13.707	225	20456	19.751	ug/l	98
95) Naphthalene	13.756	128	193134	20.801	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	58409	20.593	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
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 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047587.D
 Acq On : 16 Sep 2025 10:37
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_X

Client Sample Id :

VSTDIC020

Manual Integrations

APPROVED

Reviewed By : John Carlone 09/17/2025

Supervised By : Mahesh Dadoda 09/18/2025

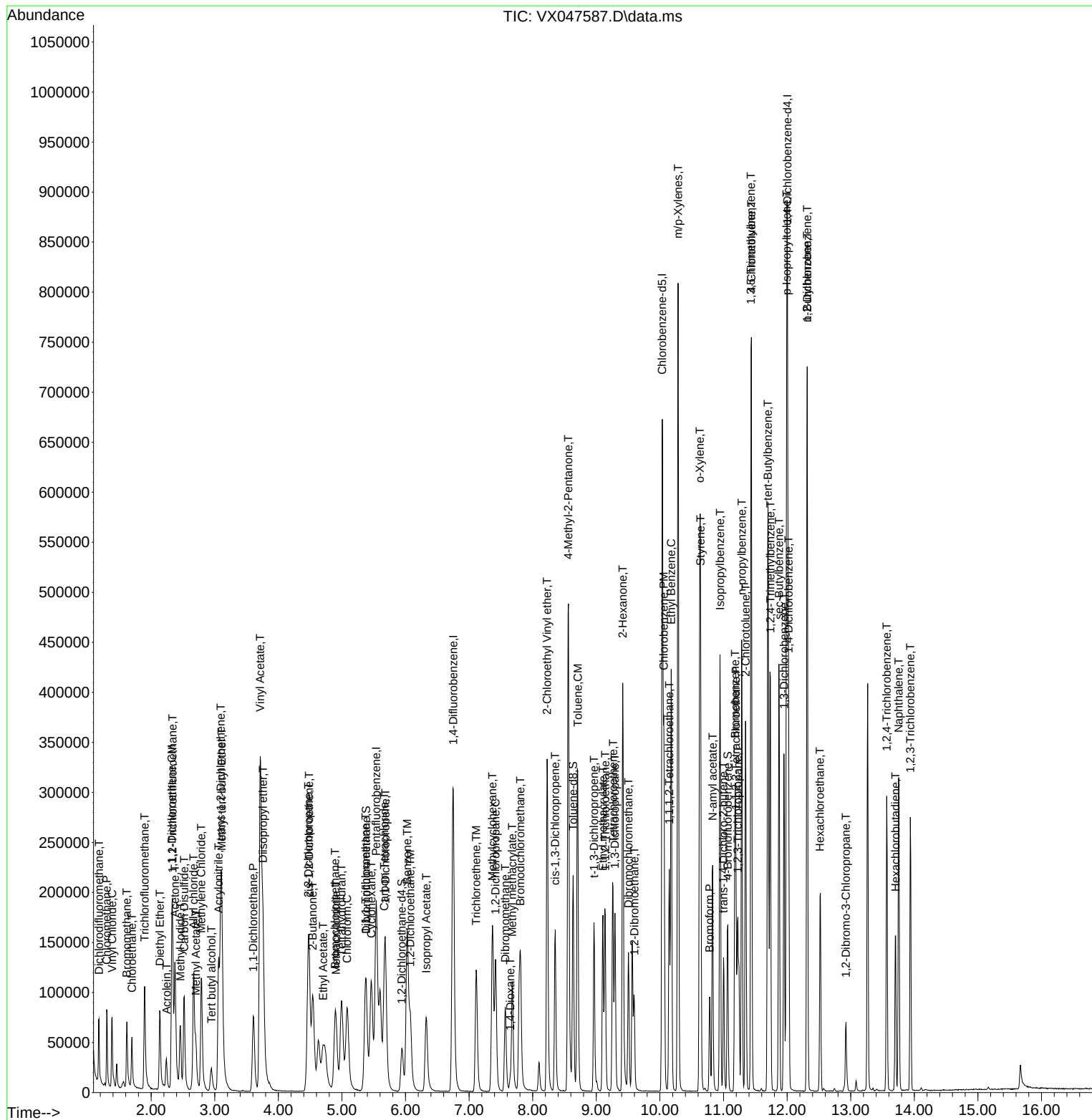
Quant Time: Sep 17 06:12:03 2025

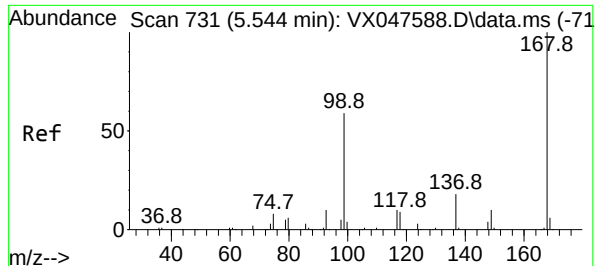
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M

Quant Title : SW846 8260

QLast Update : Wed Sep 17 06:04:35 2025

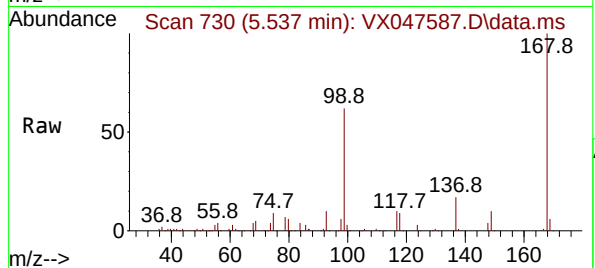
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

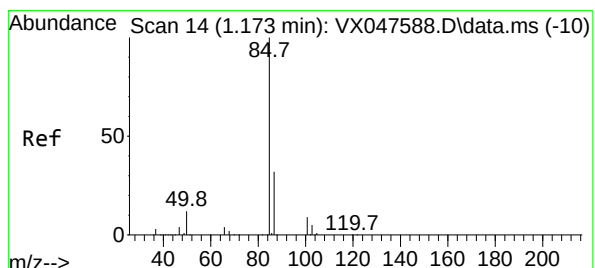
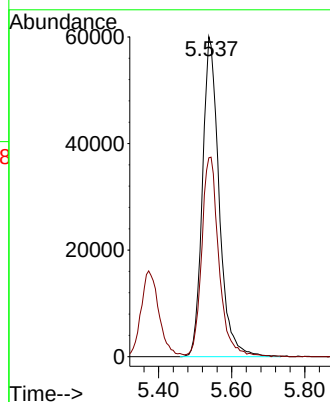
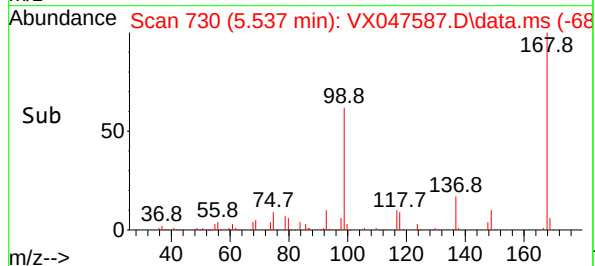
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:168 Resp: 18955
Ion Ratio Lower Upper
168 100
99 61.9 48.8 73.2

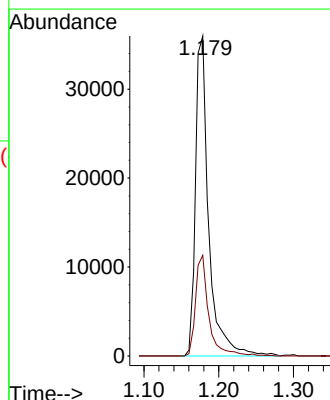
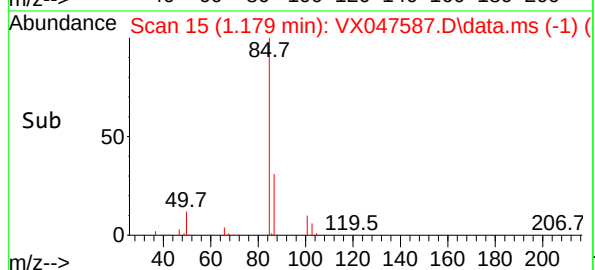
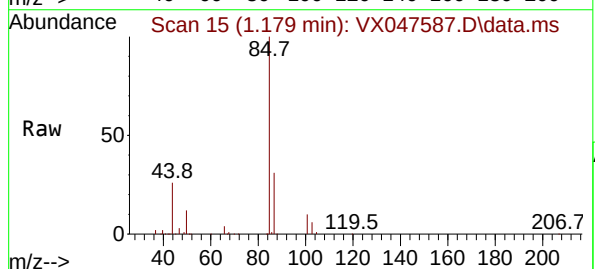
Manual Integrations
APPROVED

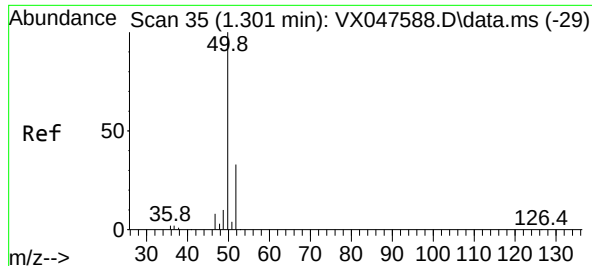
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#2
Dichlorodifluoromethane
Concen: 22.480 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 85 Resp: 44126
Ion Ratio Lower Upper
85 100
87 31.5 15.8 47.3





#3

Chloromethane

Concen: 21.716 ug/l

RT: 1.300 min Scan# 35

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 5602

Ion Ratio Lower Upper

50 100

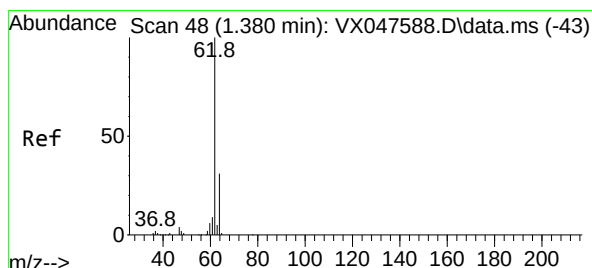
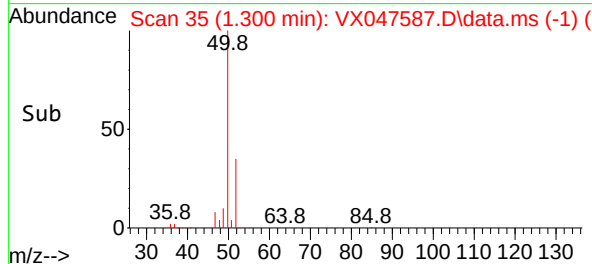
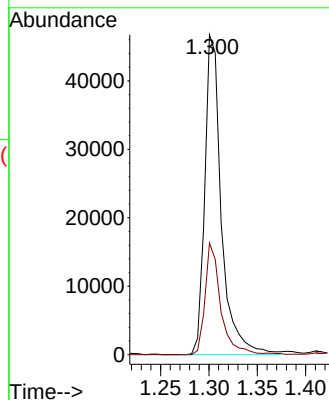
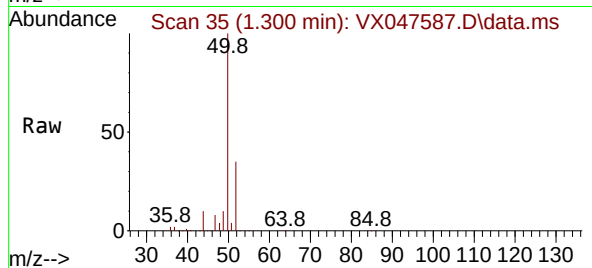
52 34.9 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#4

Vinyl Chloride

Concen: 21.485 ug/l

RT: 1.386 min Scan# 49

Delta R.T. 0.006 min

Lab File: VX047587.D

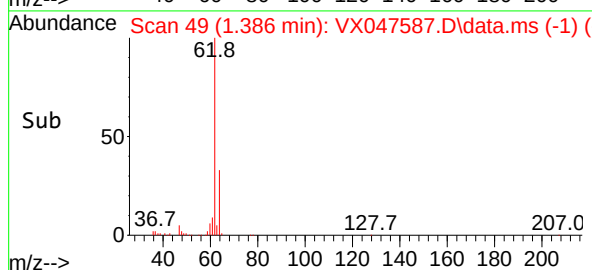
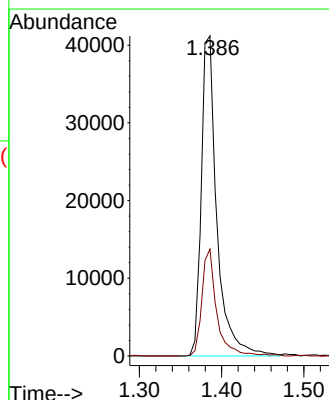
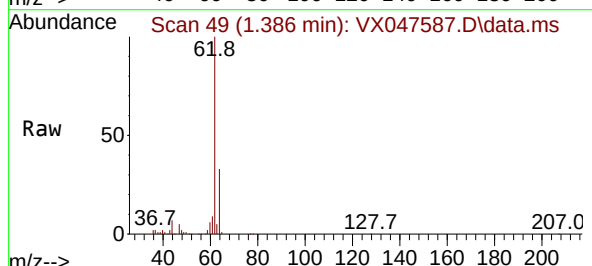
Acq: 16 Sep 2025 10:37

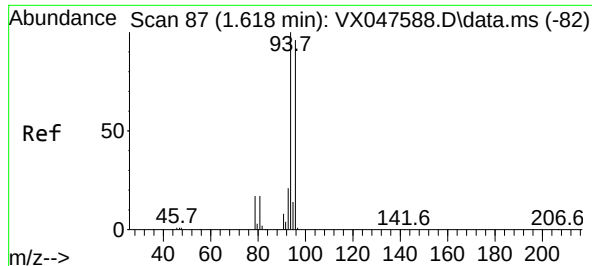
Tgt Ion: 62 Resp: 54256

Ion Ratio Lower Upper

62 100

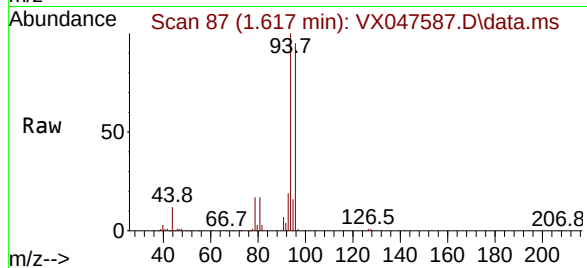
64 33.4 24.9 37.3





#5
Bromomethane
Concen: 21.353 ug/l
RT: 1.617 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

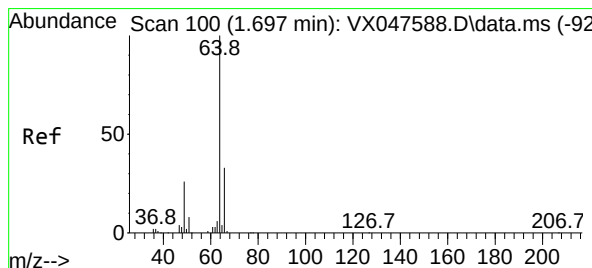
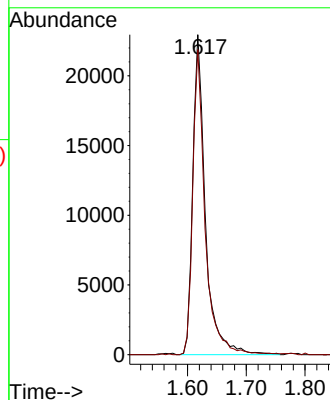
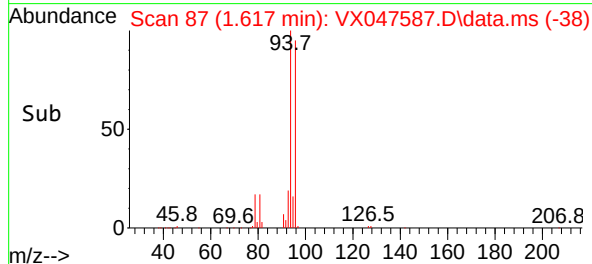
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 94 Resp: 3419
Ion Ratio Lower Upper
94 100
96 95.3 76.6 115.0

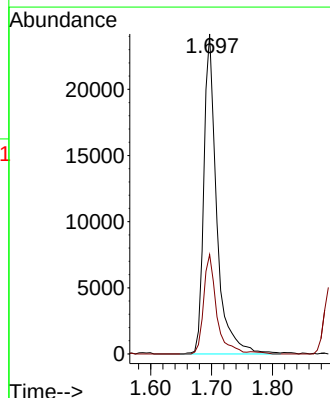
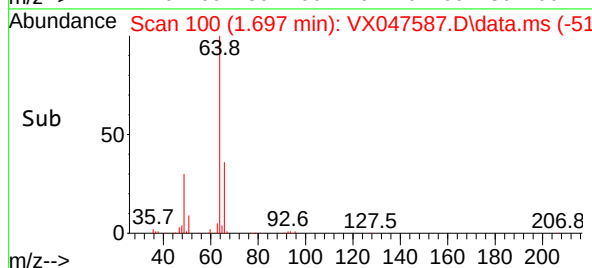
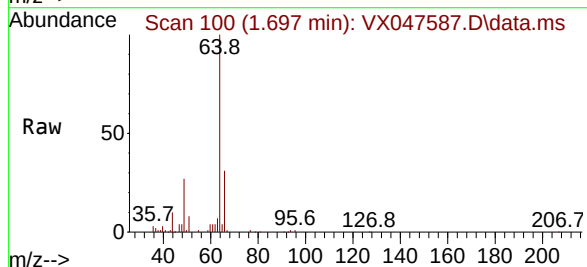
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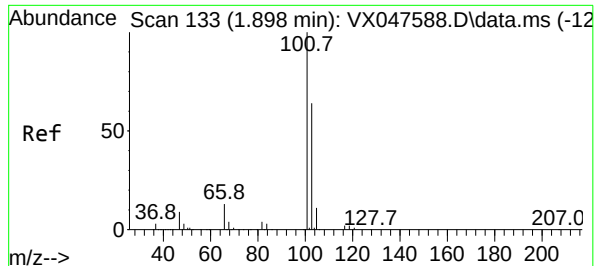
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#6
Chloroethane
Concen: 21.063 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 64 Resp: 35551
Ion Ratio Lower Upper
64 100
66 31.0 26.1 39.1





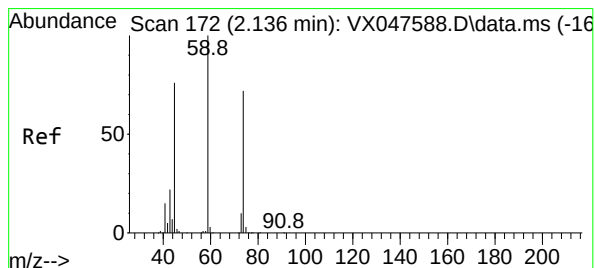
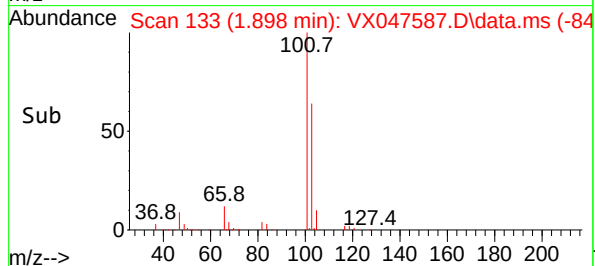
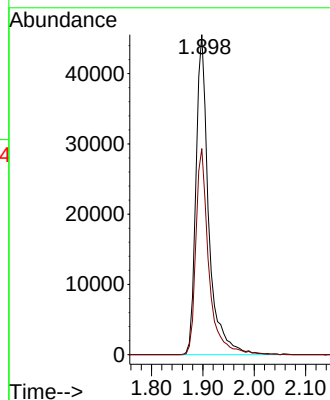
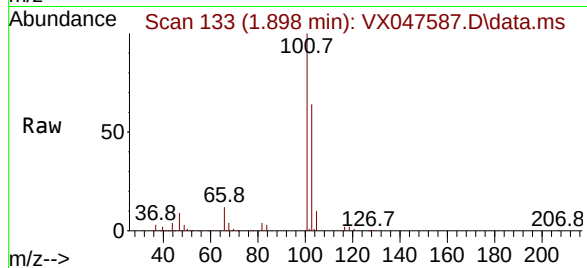
#7
Trichlorofluoromethane
Concen: 20.980 ug/l
RT: 1.898 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 7866
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.2

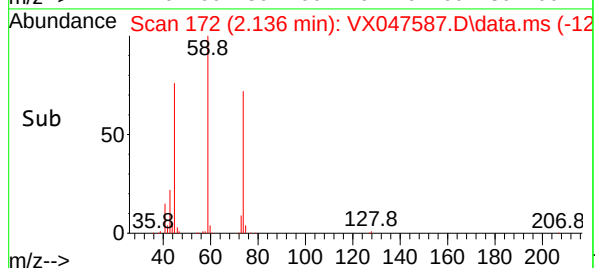
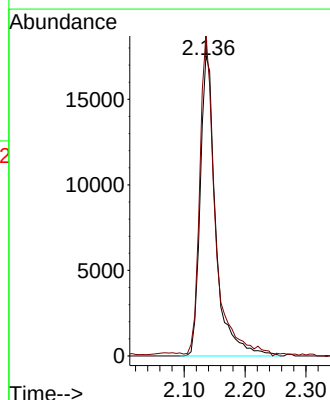
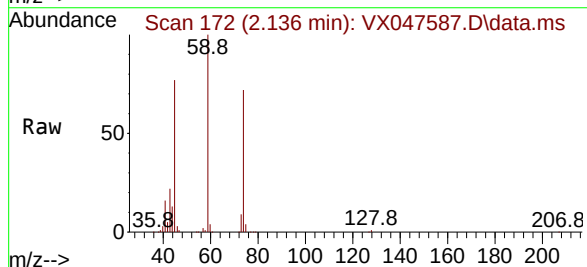
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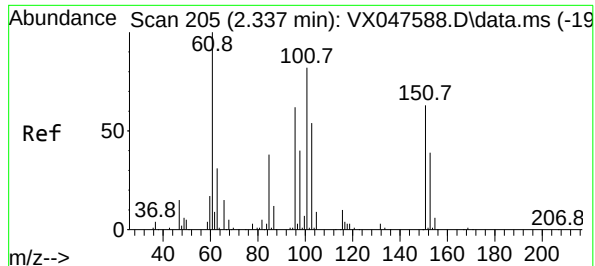
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#8
Diethyl Ether
Concen: 20.429 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 74 Resp: 31335
Ion Ratio Lower Upper
74 100
45 107.0 52.3 156.8





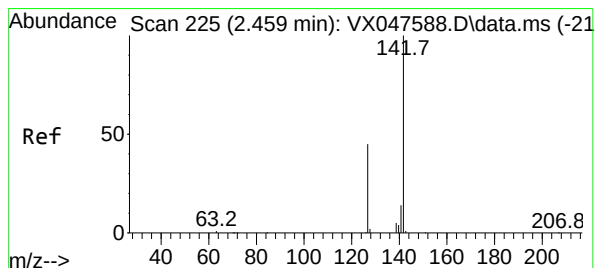
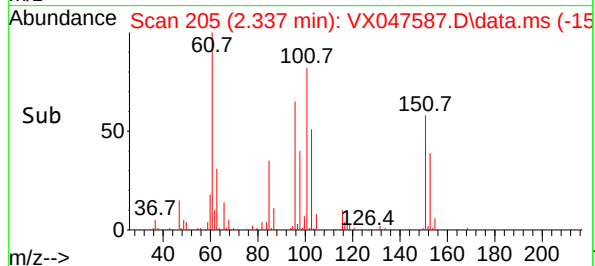
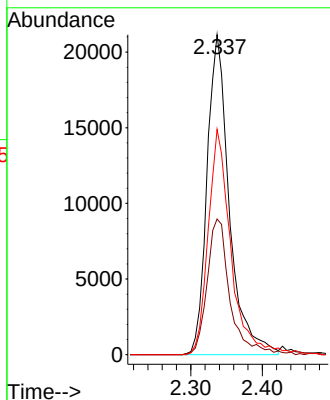
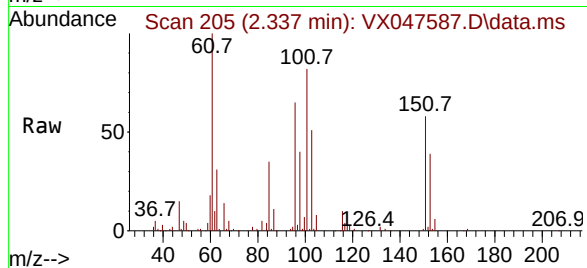
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.859 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 4573
Ion Ratio Lower Upper
101 100
85 43.6 35.5 53.3
151 72.1 59.4 89.0

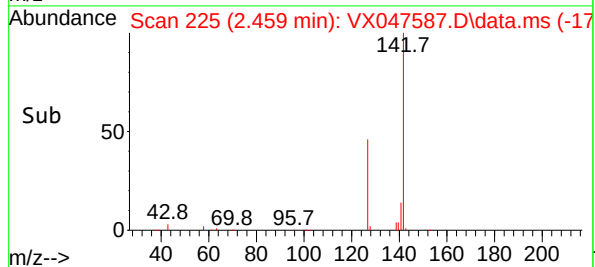
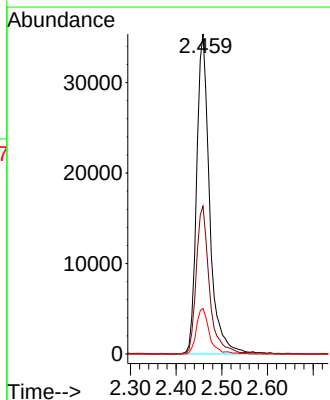
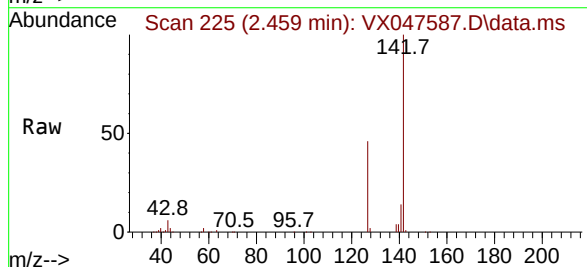
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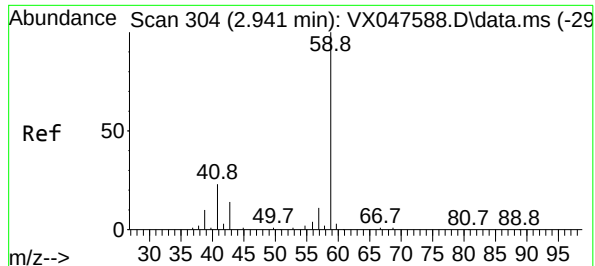
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#10
Methyl Iodide
Concen: 20.452 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:142 Resp: 69935
Ion Ratio Lower Upper
142 100
127 46.9 37.2 55.8
141 14.3 11.4 17.0





#11

Tert butyl alcohol

Concen: 96.582 ug/l

RT: 2.946 min Scan# 304

Delta R.T. 0.006 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 32450

Ion Ratio Lower Upper

59 100

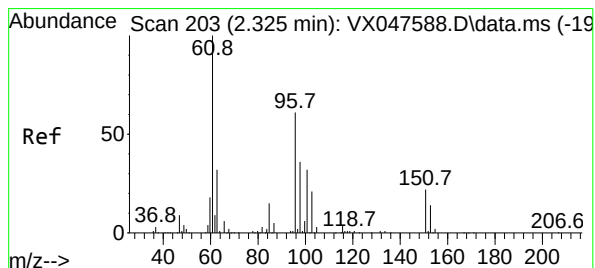
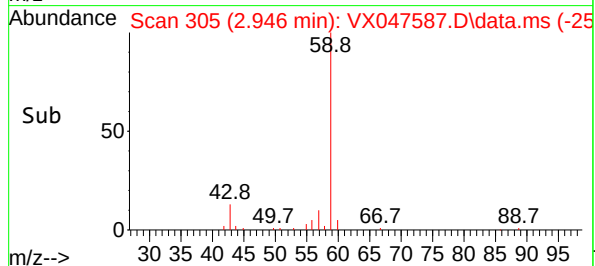
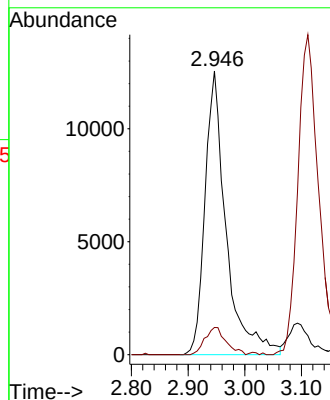
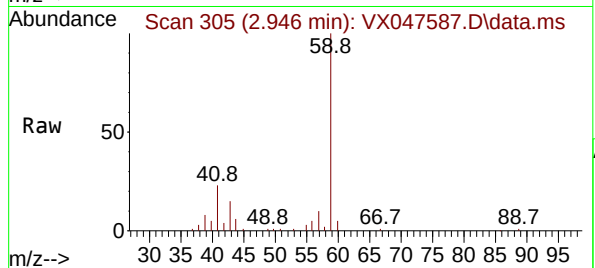
57 9.5 8.3 12.5

Manual Integrations

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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#12

1,1-Dichloroethene

Concen: 20.808 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

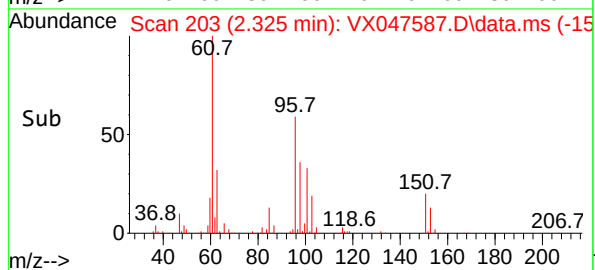
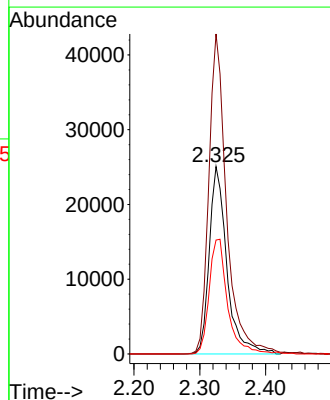
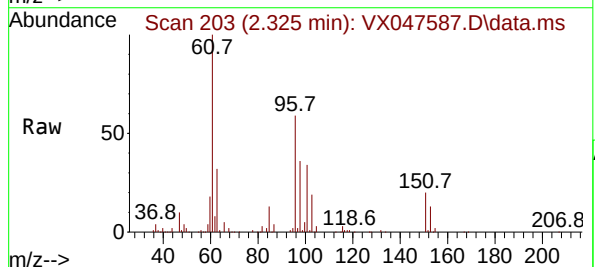
Tgt Ion: 96 Resp: 46863

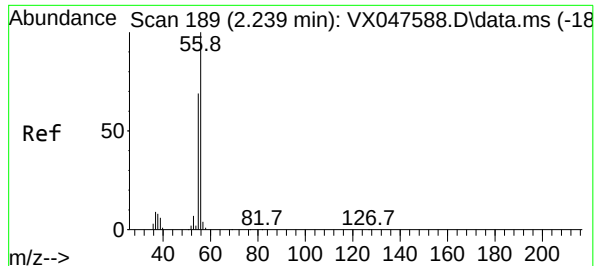
Ion Ratio Lower Upper

96 100

61 170.7 131.0 196.6

98 60.8 47.7 71.5





#13

Acrolein

Concen: 84.473 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 2615

Ion Ratio Lower Upper

56 100

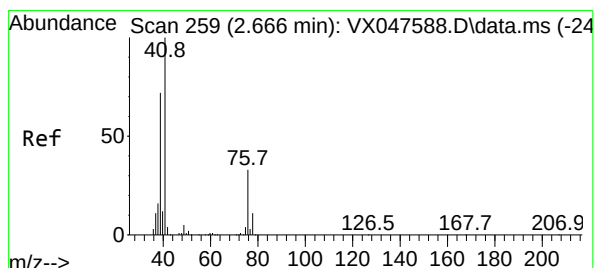
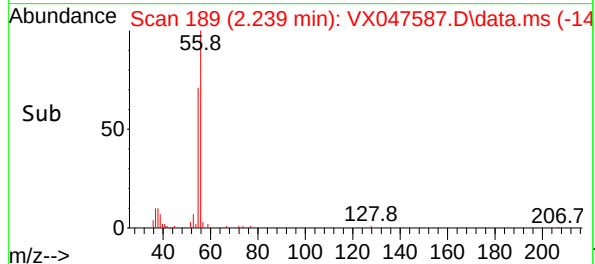
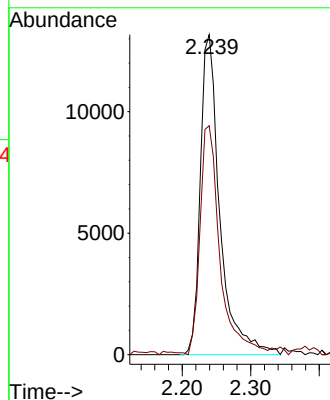
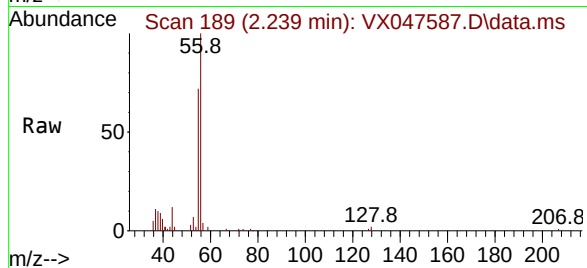
55 71.5 57.2 85.8

Manual Integrations

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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#14

Allyl chloride

Concen: 20.379 ug/l

RT: 2.666 min Scan# 259

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

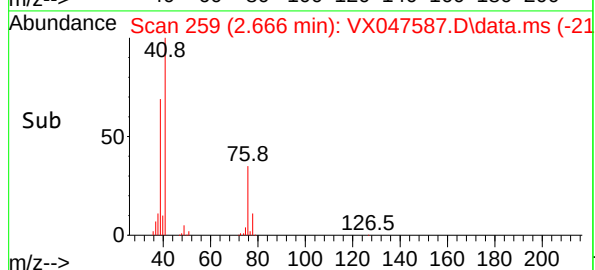
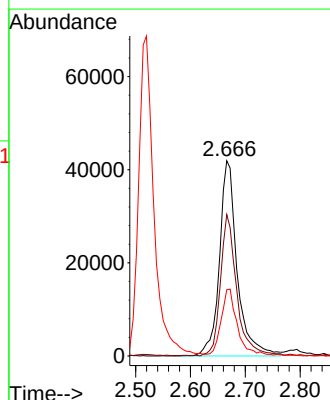
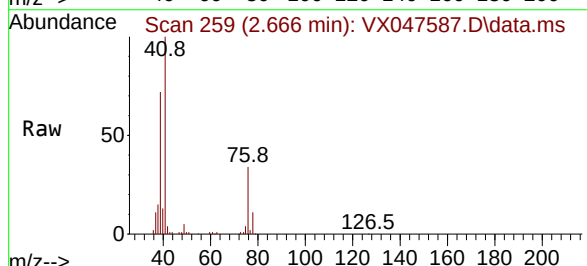
Tgt Ion: 41 Resp: 94710

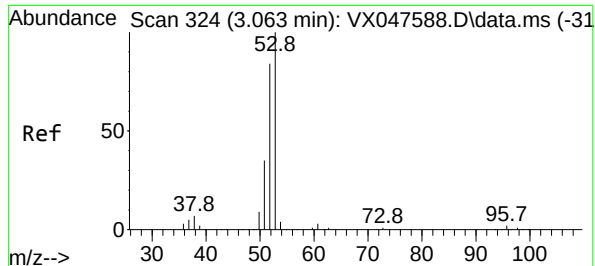
Ion Ratio Lower Upper

41 100

39 65.5 54.7 82.1

76 30.3 25.7 38.5





#15

Acrylonitrile

Concen: 104.554 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

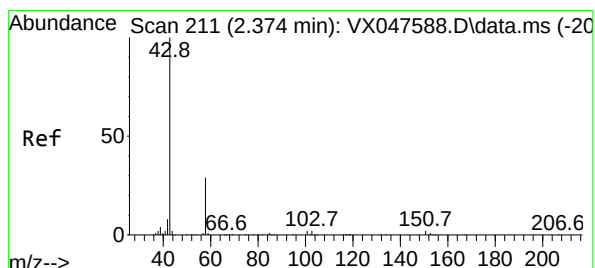
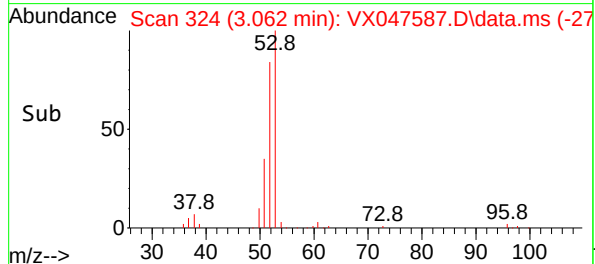
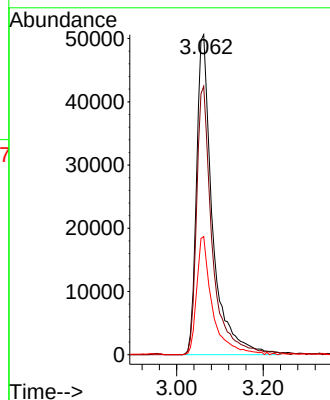
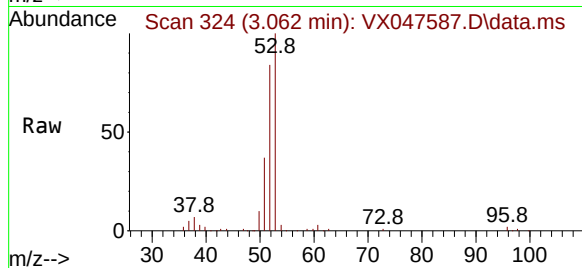
VSTDICC020

Tgt Ion:	53	Resp:	13014
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	36.2	29.5	44.3

Manual Integrations
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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#16

Acetone

Concen: 115.507 ug/l

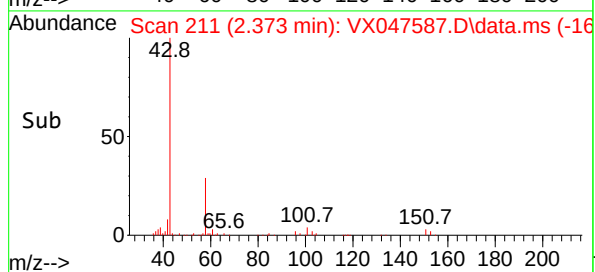
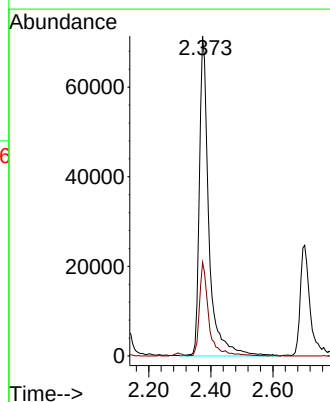
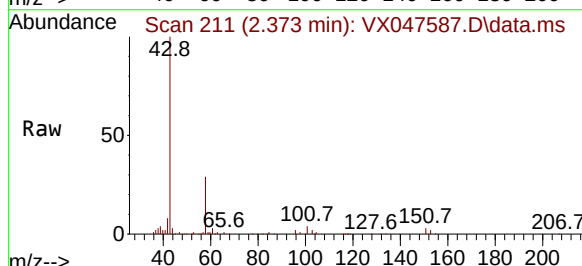
RT: 2.373 min Scan# 211

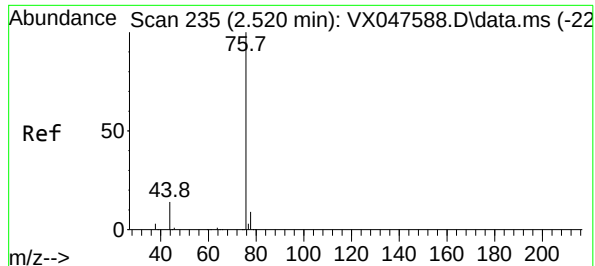
Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Tgt Ion:	43	Resp:	151538
Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.4	35.0





#17

Carbon Disulfide

Concen: 21.620 ug/l

RT: 2.520 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 133290

Ion Ratio Lower Upper

76 100

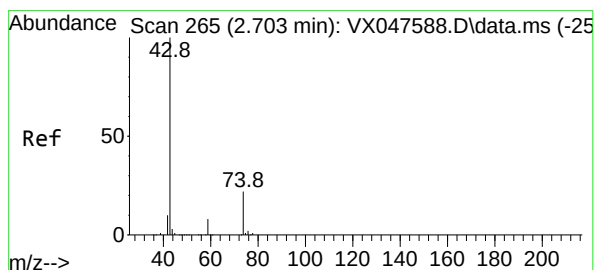
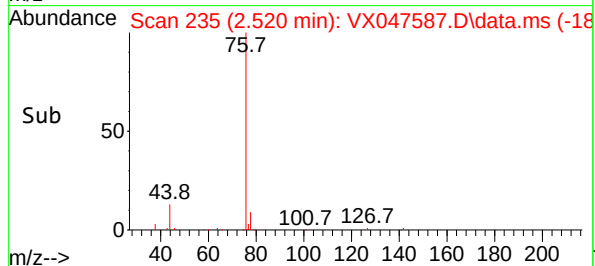
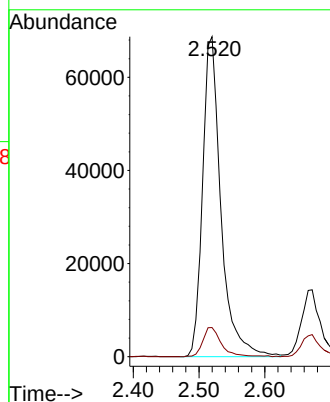
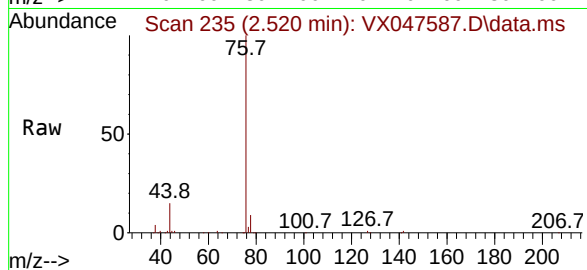
78 9.1 6.8 10.2

Manual Integrations

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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#18

Methyl Acetate

Concen: 18.536 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX047587.D

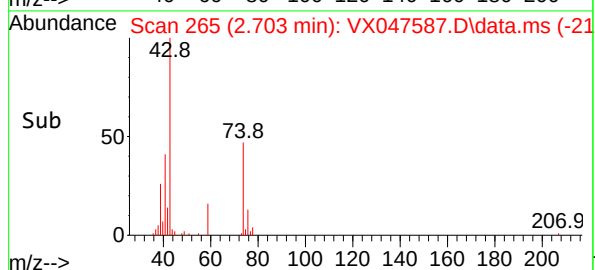
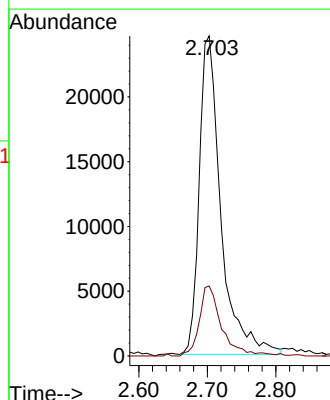
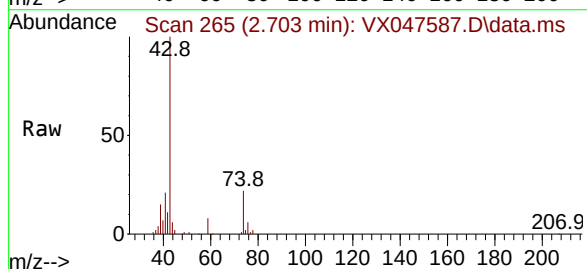
Acq: 16 Sep 2025 10:37

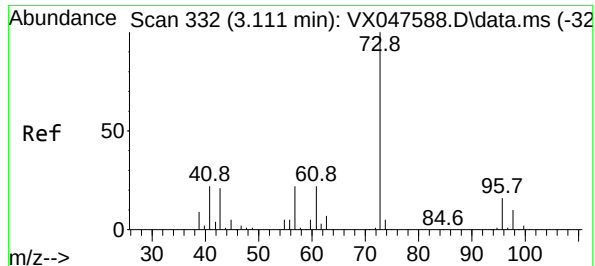
Tgt Ion: 43 Resp: 54120

Ion Ratio Lower Upper

43 100

74 22.7 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 20.486 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 73 Resp: 168420

Ion Ratio Lower Upper

73 100

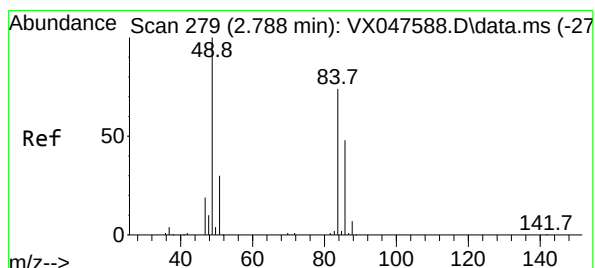
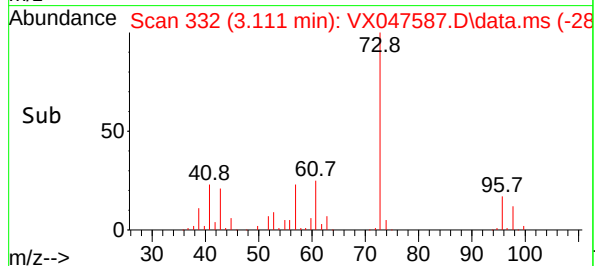
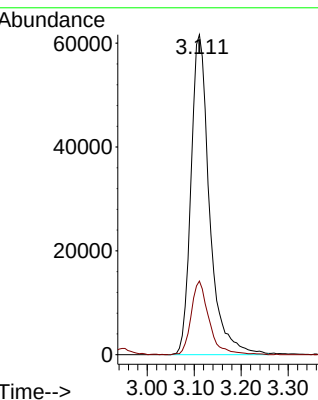
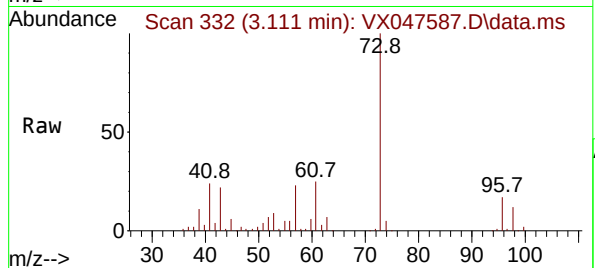
57 23.0 17.4 26.2

Manual Integrations

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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#20

Methylene Chloride

Concen: 20.581 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Tgt Ion: 84 Resp: 57153

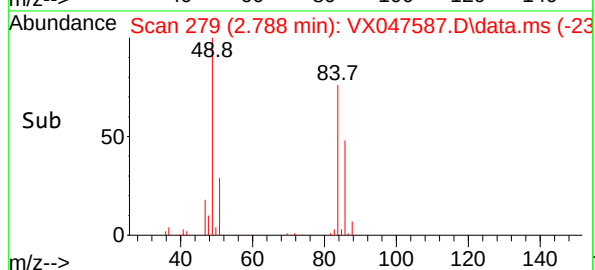
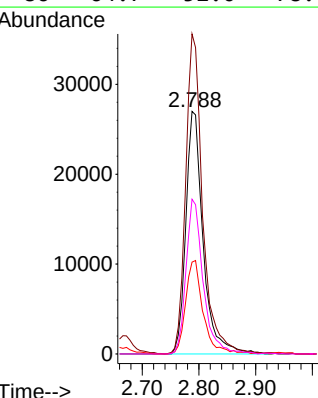
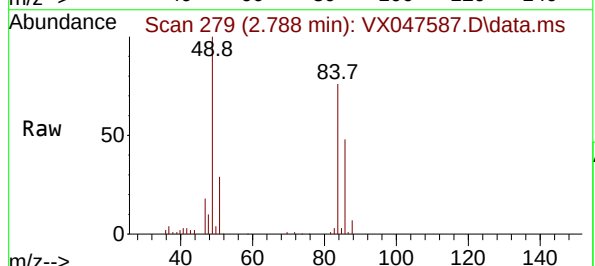
Ion Ratio Lower Upper

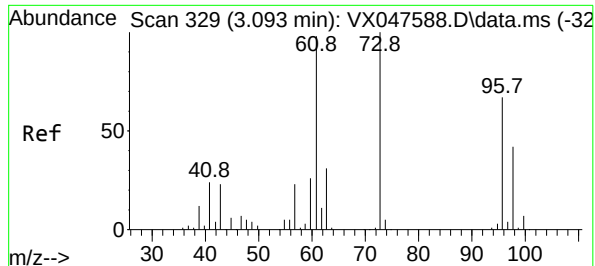
84 100

49 131.7 108.6 162.8

51 37.9 32.6 48.8

86 64.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 20.791 ug/l

RT: 3.093 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 5041

Ion Ratio Lower Upper

96 100

61 151.3 116.2 174.2

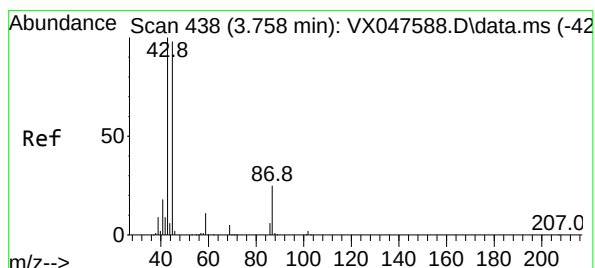
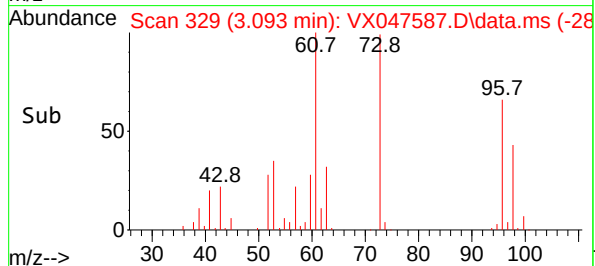
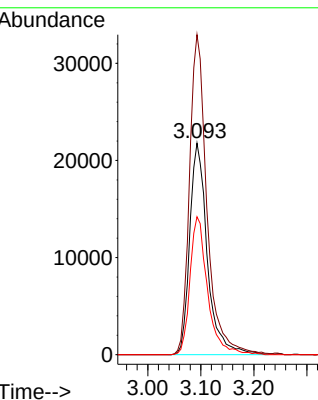
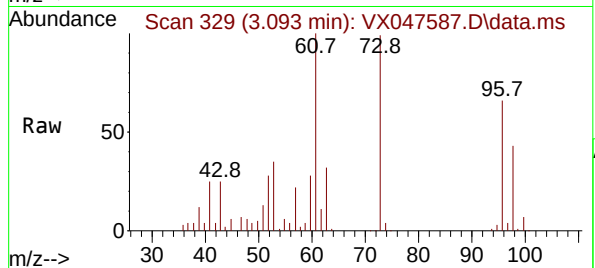
98 67.2 49.3 73.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#22

Diisopropyl ether

Concen: 20.940 ug/l

RT: 3.757 min Scan# 438

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Tgt Ion: 45 Resp: 188598

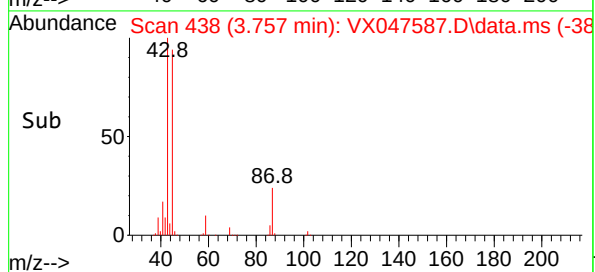
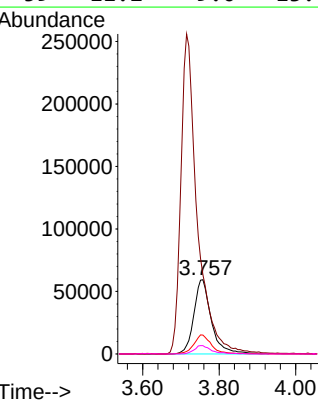
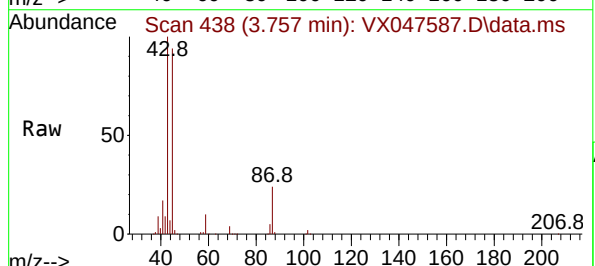
Ion Ratio Lower Upper

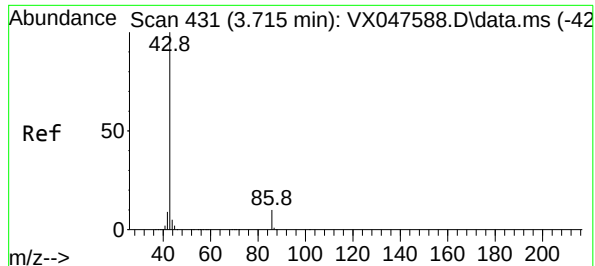
45 100

43 106.1 81.0 121.4

87 25.5 20.3 30.5

59 11.2 9.0 13.4





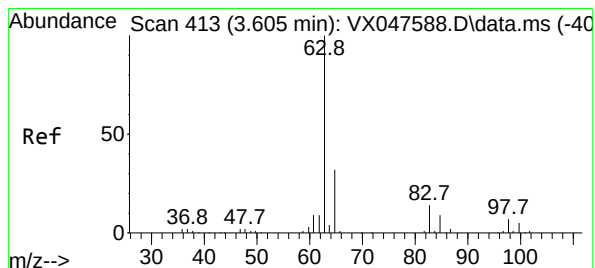
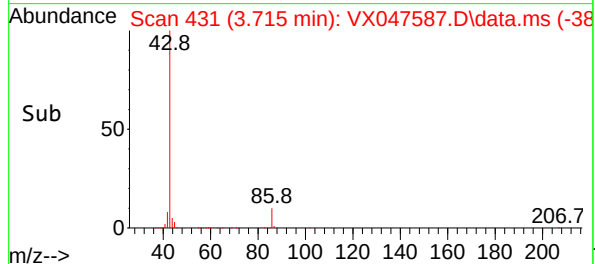
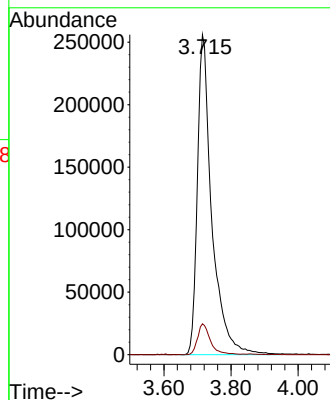
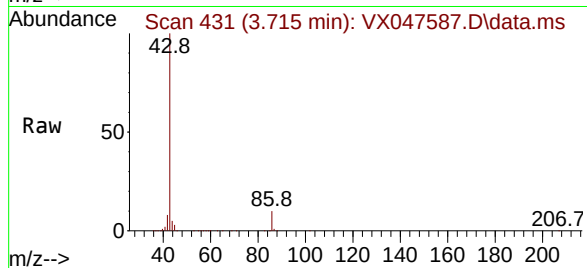
#23
Vinyl Acetate
Concen: 106.218 ug/l
RT: 3.715 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 76567
Ion Ratio Lower Upper
43 100
86 9.6 7.8 11.8

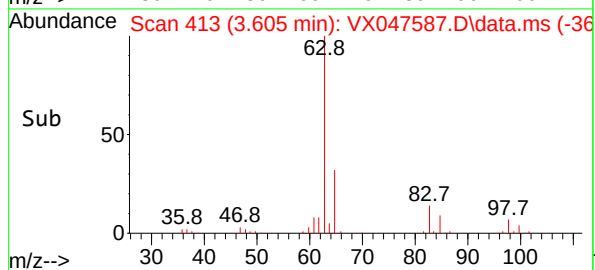
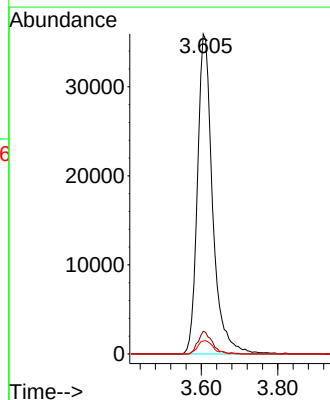
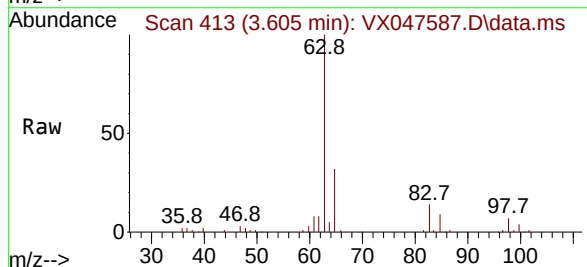
Manual Integrations
APPROVED

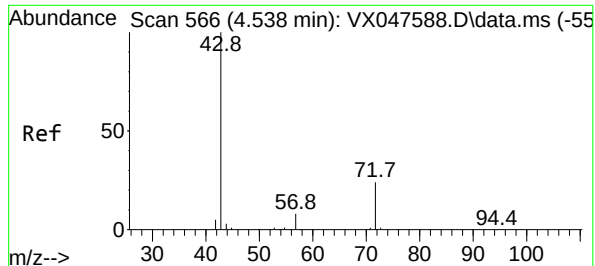
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#24
1,1-Dichloroethane
Concen: 20.578 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 98509
Ion Ratio Lower Upper
63 100
98 7.1 3.8 11.2
100 4.1 2.3 6.9





#25

2-Butanone

Concen: 109.679 ug/l

RT: 4.538 min Scan# 5

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 17948

Ion Ratio Lower Upper

43 100

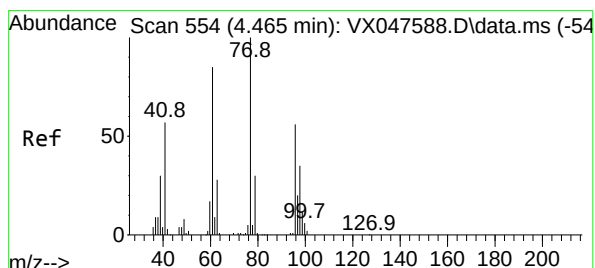
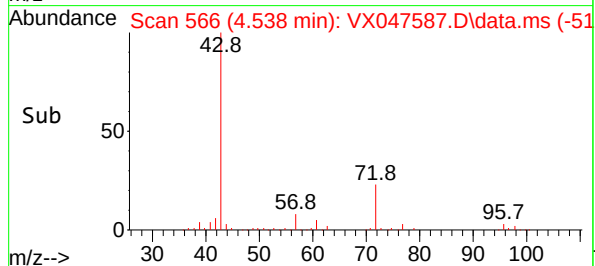
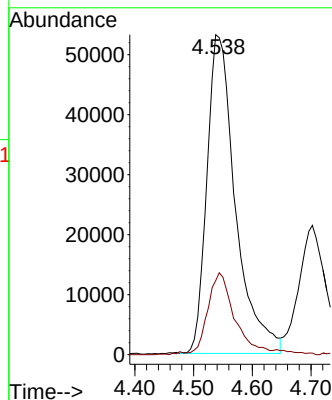
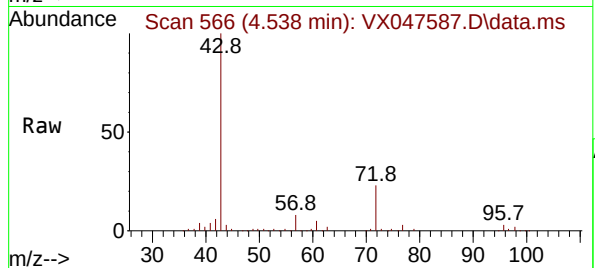
72 22.3 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#26

2,2-Dichloropropane

Concen: 20.459 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX047587.D

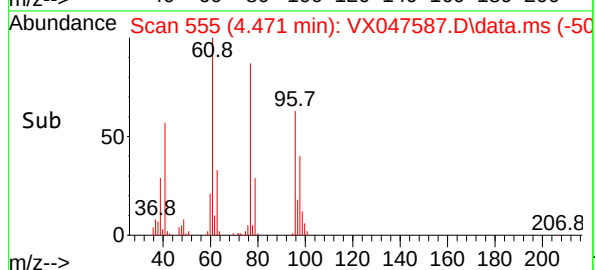
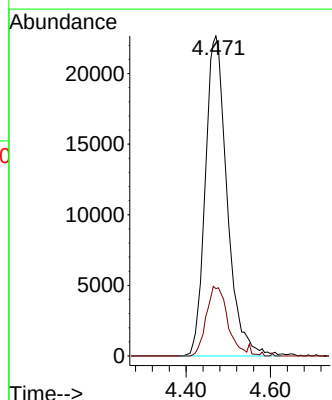
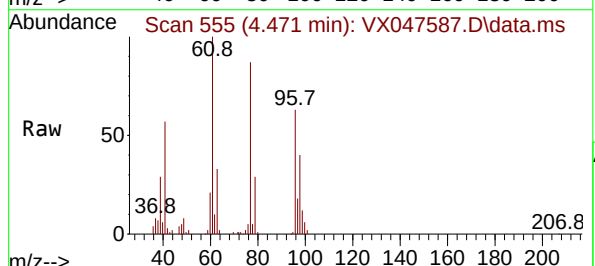
Acq: 16 Sep 2025 10:37

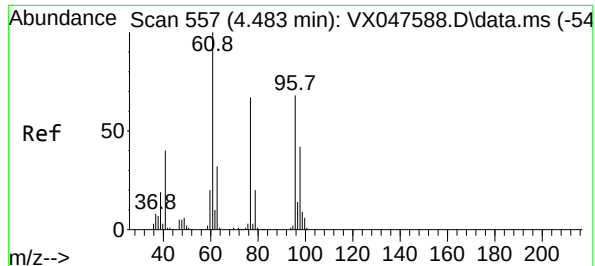
Tgt Ion: 77 Resp: 81413

Ion Ratio Lower Upper

77 100

97 21.2 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 20.497 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

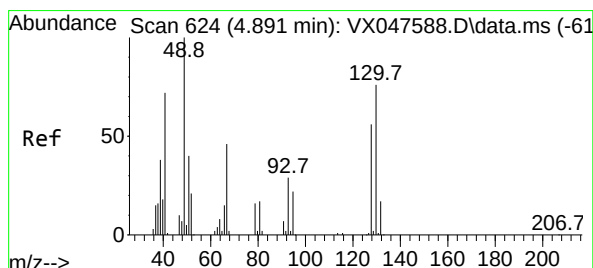
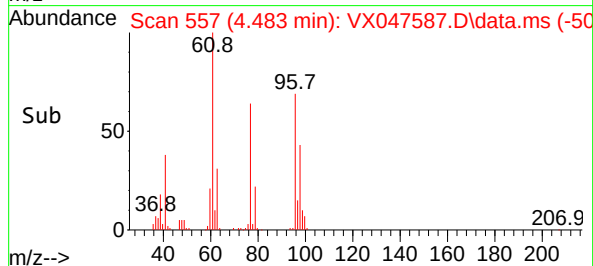
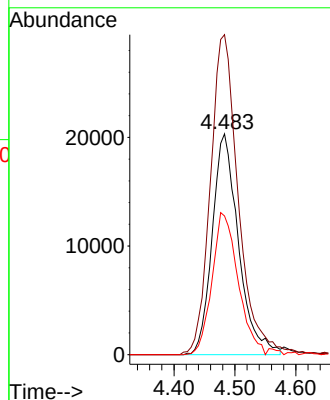
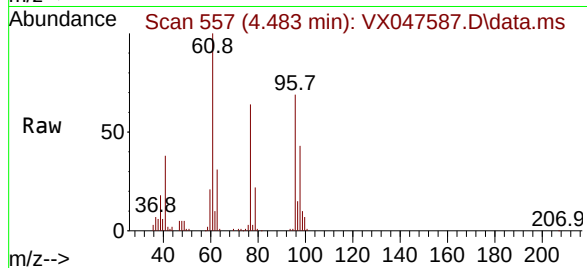
VSTDICC020

Tgt Ion:	96	Resp:	6086
Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	303.2
98	63.7	0.0	127.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#28

Bromochloromethane

Concen: 16.309 ug/l

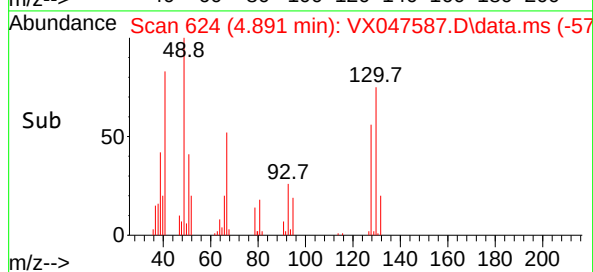
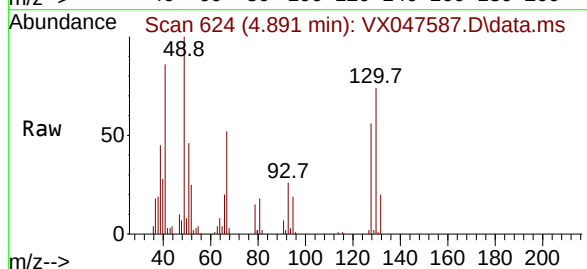
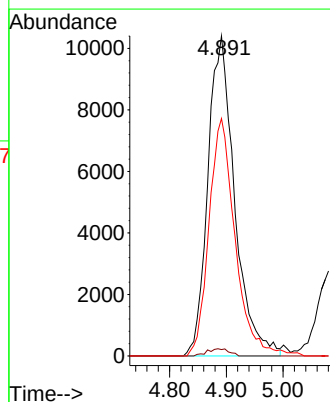
RT: 4.891 min Scan# 624

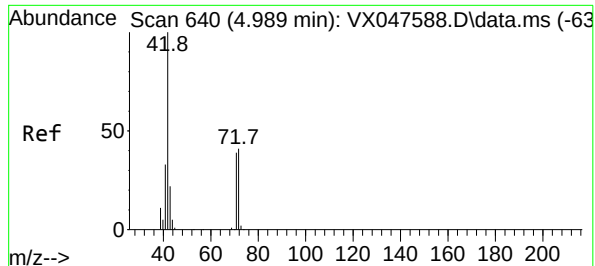
Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Tgt Ion:	49	Resp:	34085
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	72.7	57.8	86.8





#29

Tetrahydrofuran

Concen: 104.560 ug/l

RT: 4.995 min Scan# 641

Delta R.T. 0.006 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

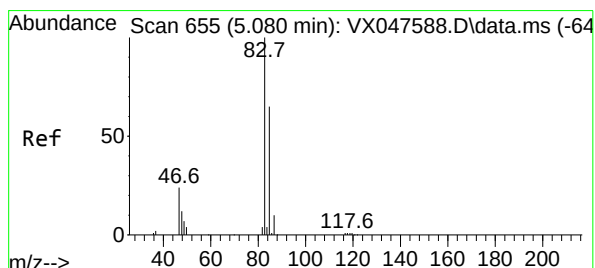
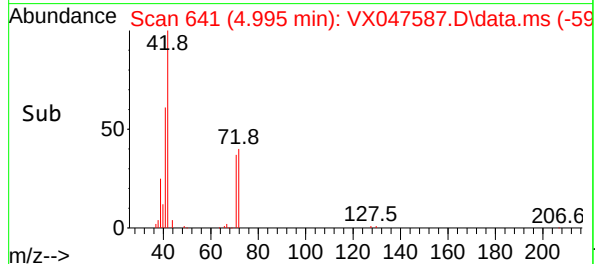
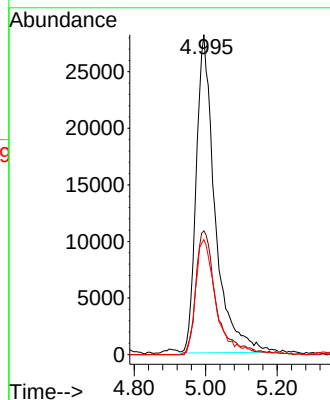
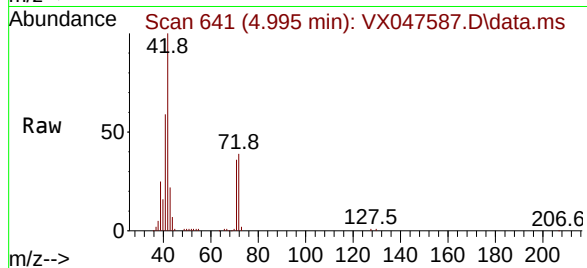
VSTDICC020

Tgt Ion:	42	Resp:	10293
Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.2	51.2
71	37.8	31.9	47.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#30

Chloroform

Concen: 21.413 ug/l

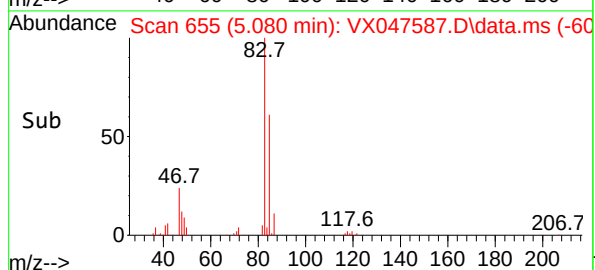
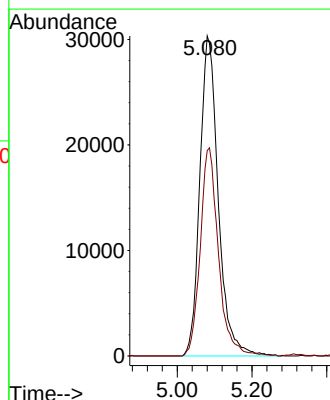
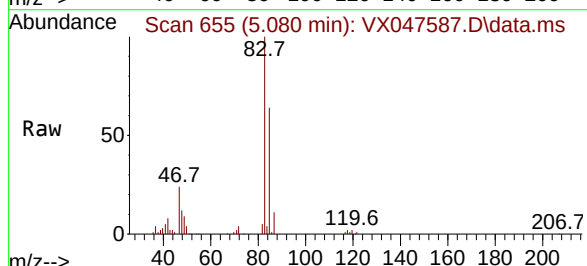
RT: 5.080 min Scan# 655

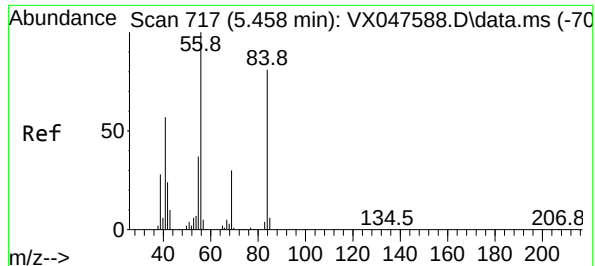
Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Tgt Ion:	83	Resp:	103586
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6





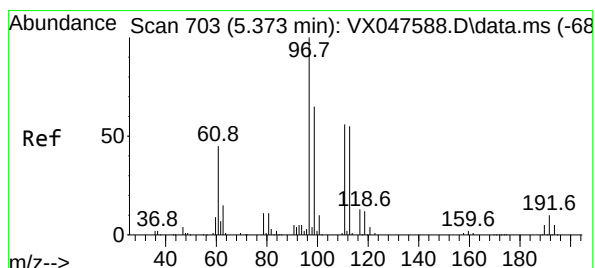
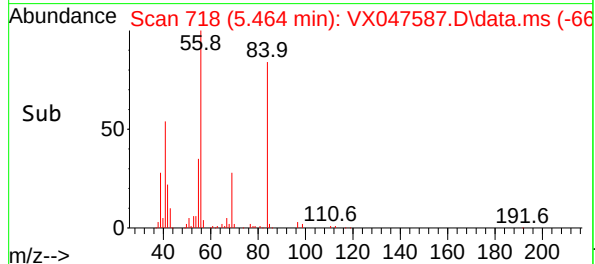
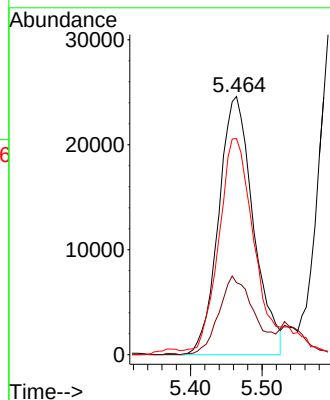
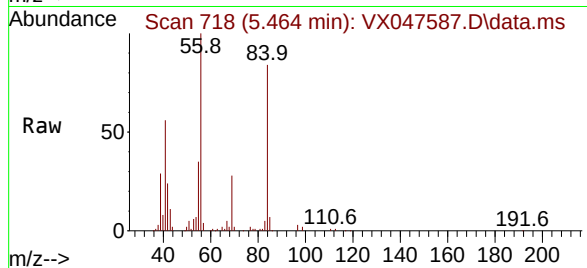
#31
Cyclohexane
Concen: 20.759 ug/l
RT: 5.464 min Scan# 717
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 82770
Ion Ratio Lower Upper
56 100
69 27.9 23.8 35.8
84 82.2 64.6 97.0

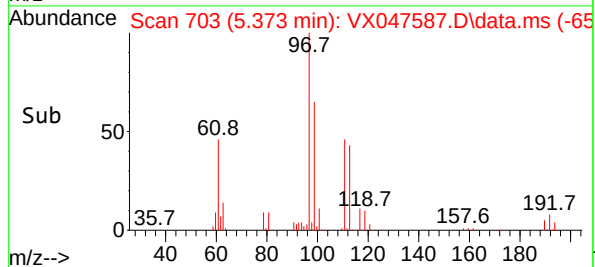
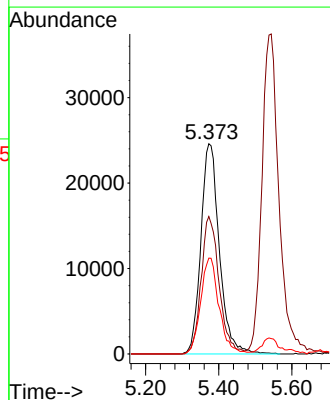
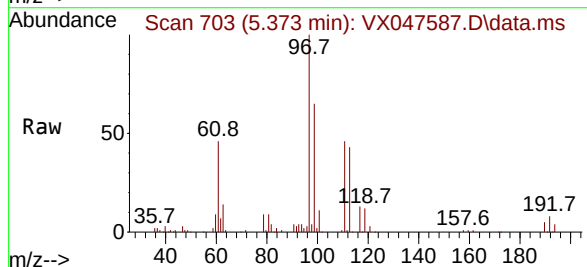
Manual Integrations
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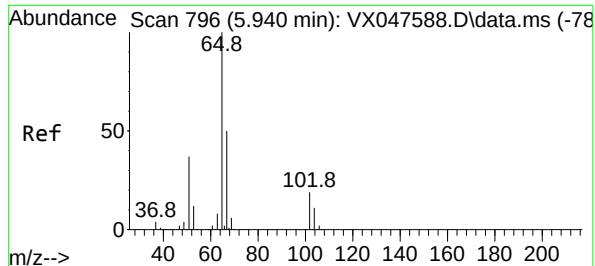
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#32
1,1,1-Trichloroethane
Concen: 21.081 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 97 Resp: 86500
Ion Ratio Lower Upper
97 100
99 63.5 50.6 76.0
61 45.5 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 16.264 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 65 Resp: 4907

Ion Ratio Lower Upper

65 100

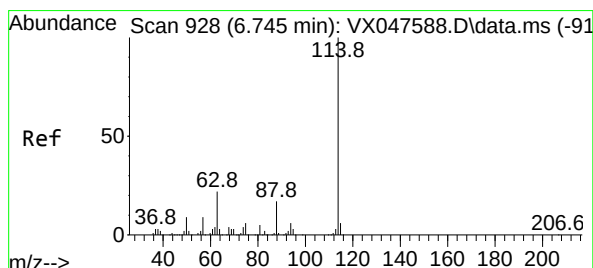
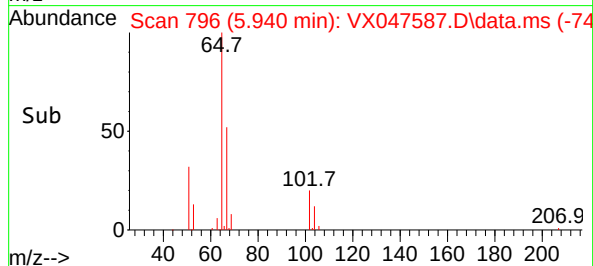
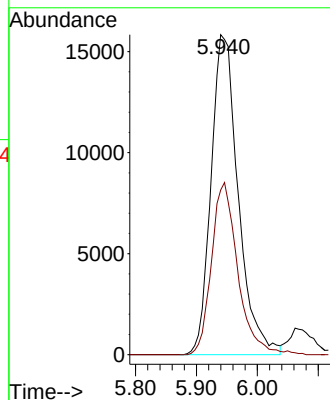
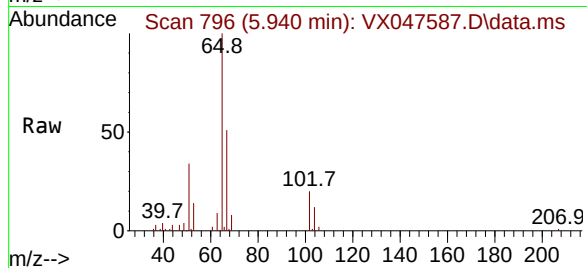
67 52.2 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

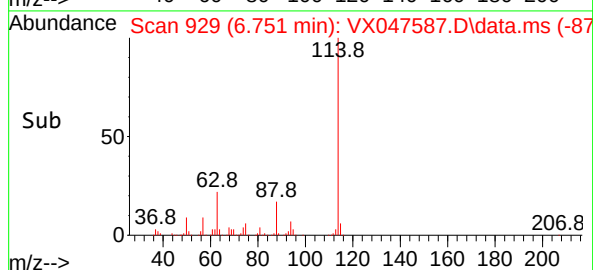
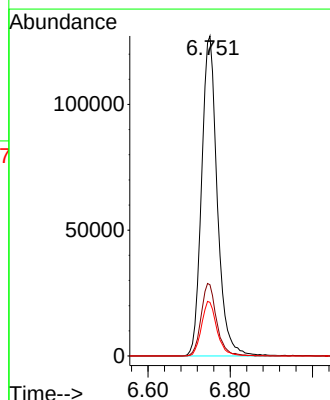
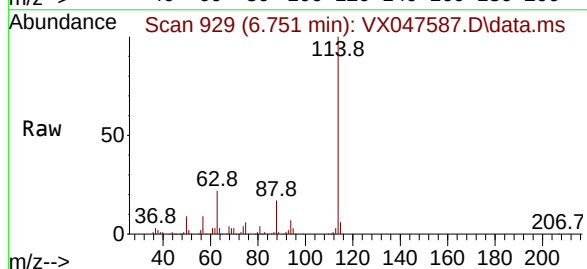
Tgt Ion:114 Resp: 336287

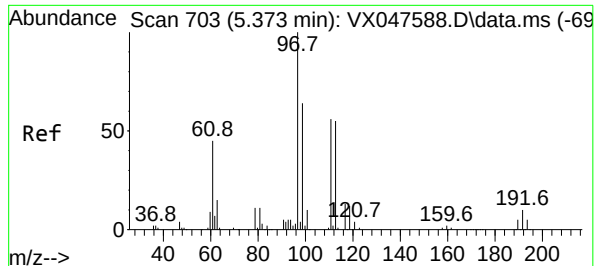
Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.0

88 16.8 0.0 34.2





#35

Dibromofluoromethane

Concen: 15.868 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

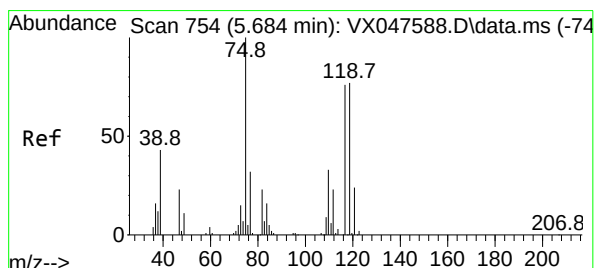
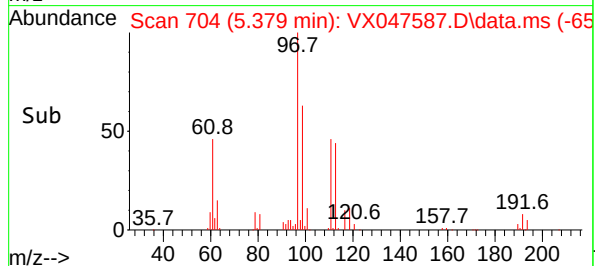
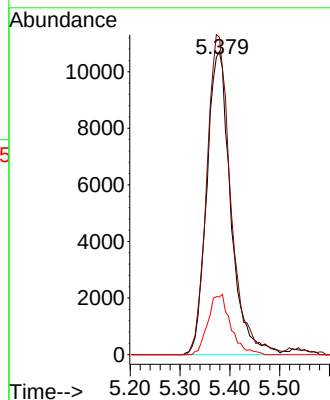
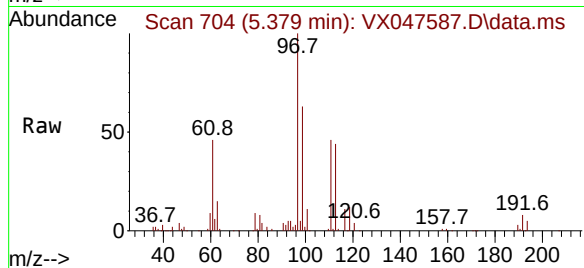
VSTDIC020

Tgt Ion:	113	Resp:	3578
Ion	Ratio	Lower	Upper
113	100		
111	105.7	80.9	121.3
192	18.8	14.2	21.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#36

1,1-Dichloropropene

Concen: 20.754 ug/l

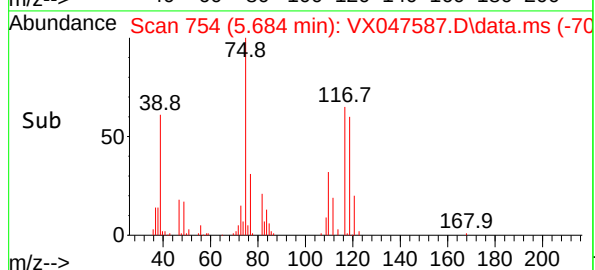
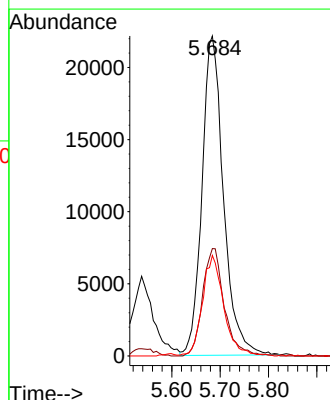
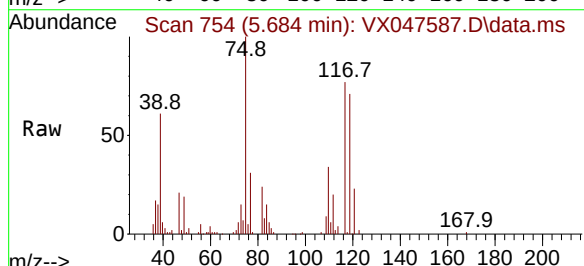
RT: 5.684 min Scan# 754

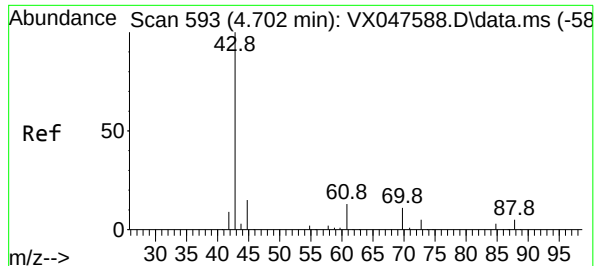
Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Tgt Ion:	75	Resp:	68395
Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	31.2	24.3	36.5





#37

Ethyl Acetate

Concen: 21.113 ug/l

RT: 4.702 min Scan# 593

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

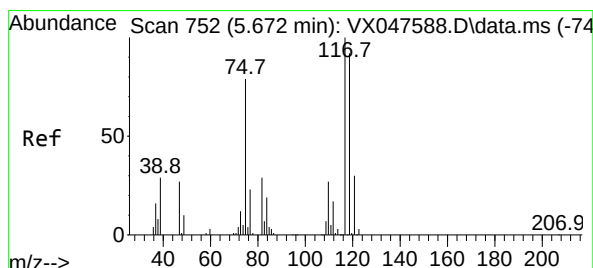
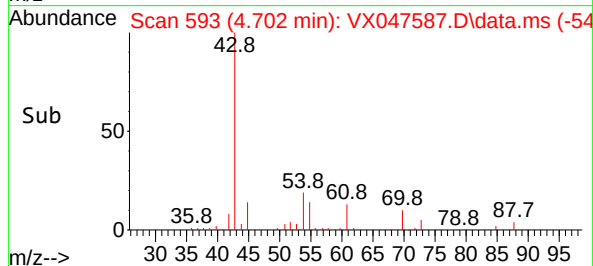
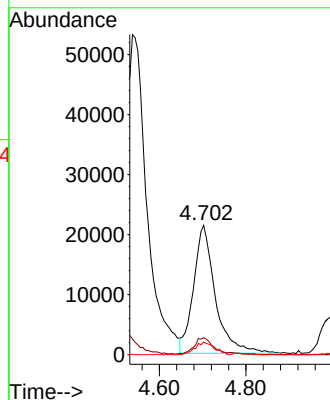
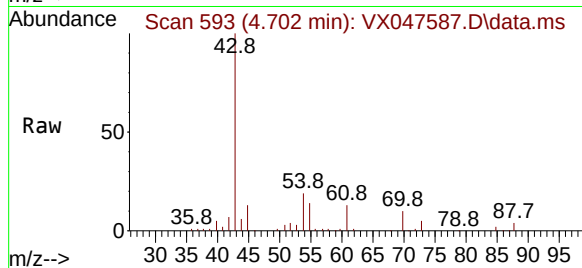
VSTDIC020

Tgt Ion:	43	Resp:	7449
Ion Ratio	Lower	Upper	
43	100		
61	10.8	9.8	14.8
70	8.5	7.9	11.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#38

Carbon Tetrachloride

Concen: 20.844 ug/l

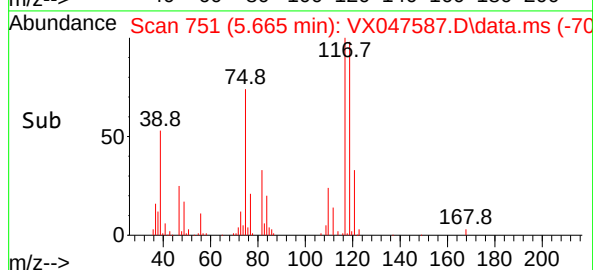
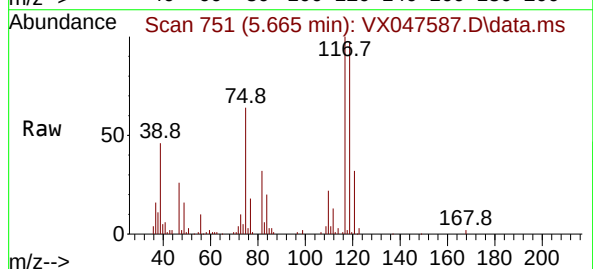
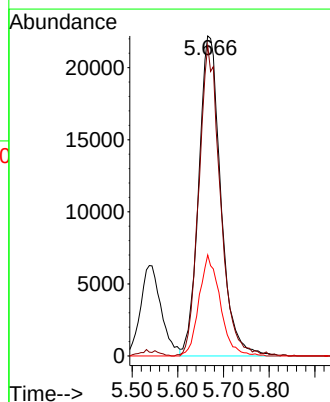
RT: 5.665 min Scan# 751

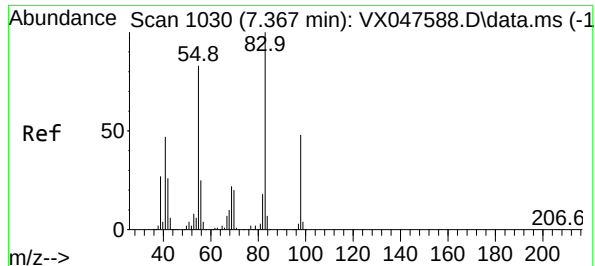
Delta R.T. -0.006 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Tgt Ion:	117	Resp:	74636
Ion Ratio	Lower	Upper	
117	100		
119	96.9	73.4	110.2
121	31.6	23.8	35.6





#39

Methylcyclohexane

Concen: 21.251 ug/l

RT: 7.366 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

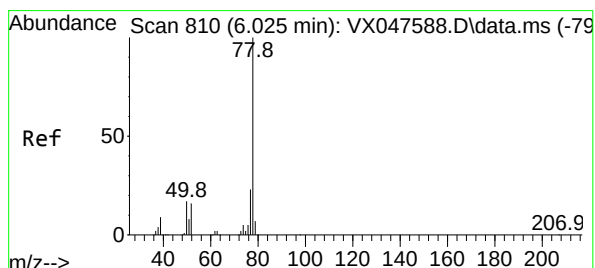
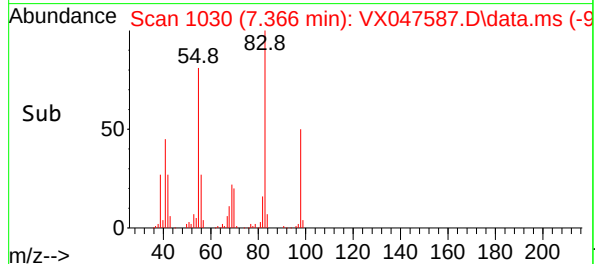
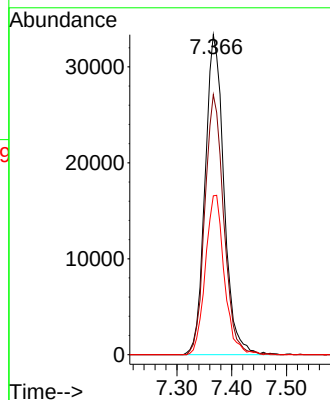
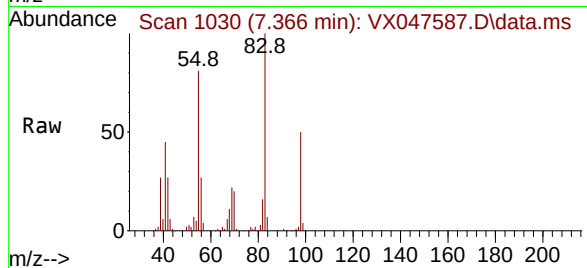
VSTDICC020

Tgt Ion:	83	Resp:	7949
Ion	Ratio	Lower	Upper
83	100		
55	81.2	66.4	99.6
98	49.6	38.1	57.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#40

Benzene

Concen: 21.051 ug/l

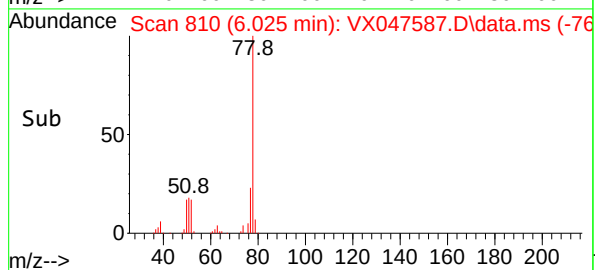
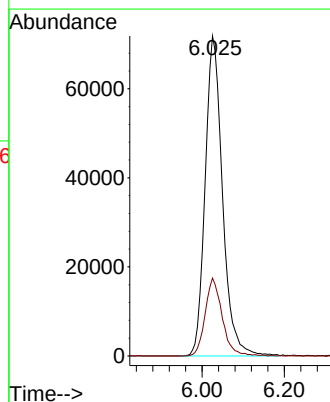
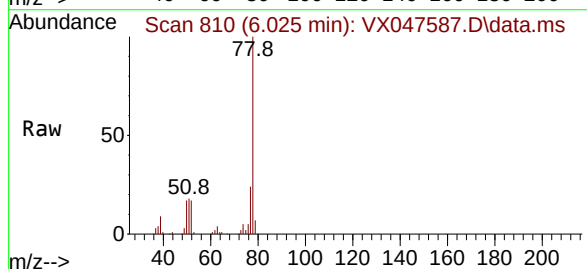
RT: 6.025 min Scan# 810

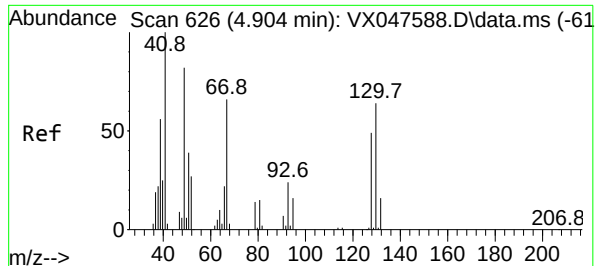
Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

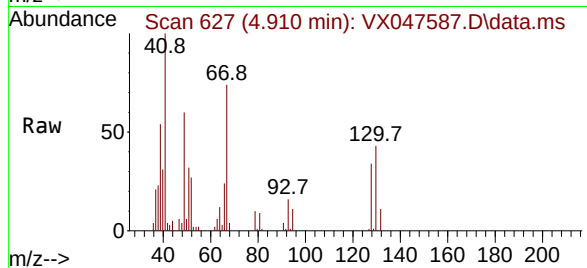
Tgt Ion:	78	Resp:	210711
Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2





#41
Methacrylonitrile
Concen: 21.148 ug/l
RT: 4.910 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

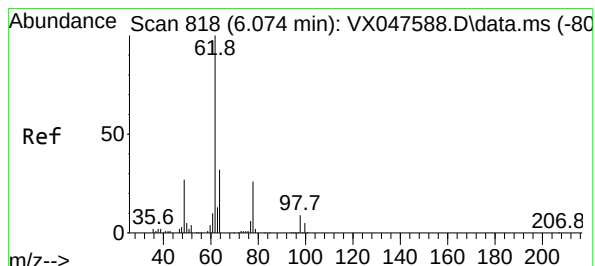
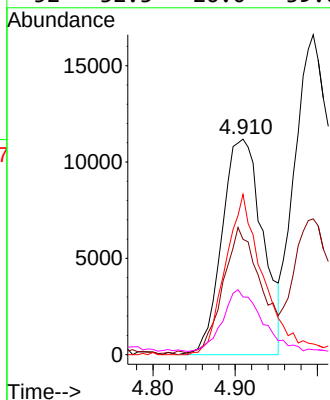
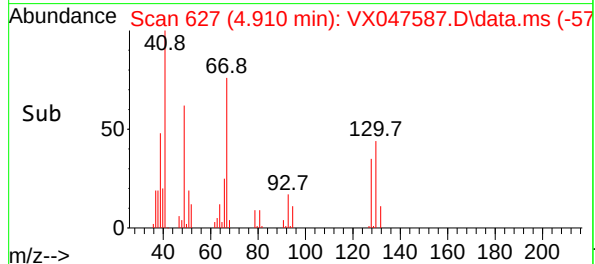
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



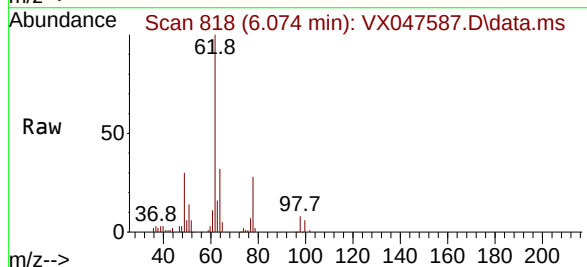
Tgt Ion: 41 Resp: 3852
Ion Ratio Lower Upper
41 100
39 53.8 43.3 64.9
67 72.5 58.6 87.8
52 32.3 26.0 39.0

Manual Integrations
APPROVED

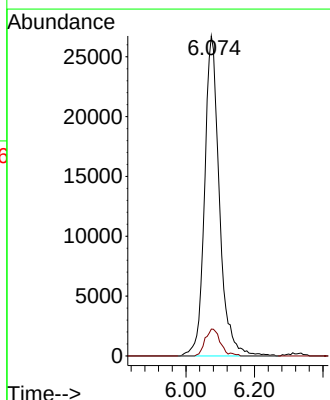
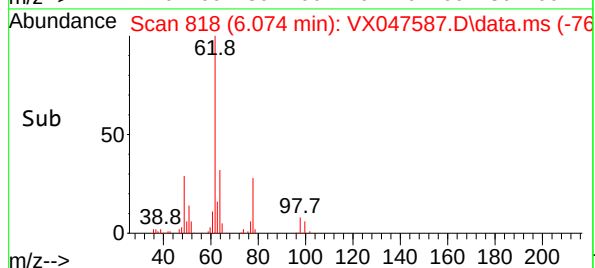
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

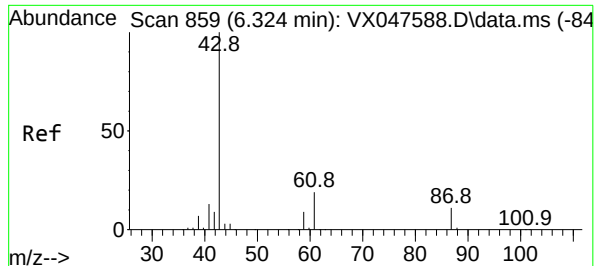


#42
1,2-Dichloroethane
Concen: 21.175 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37



Tgt Ion: 62 Resp: 80646
Ion Ratio Lower Upper
62 100
98 8.7 0.0 17.0





#43

Isopropyl Acetate

Concen: 20.670 ug/l

RT: 6.324 min Scan# 859

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 11962

Ion Ratio Lower Upper

43 100

61 18.9 15.2 22.8

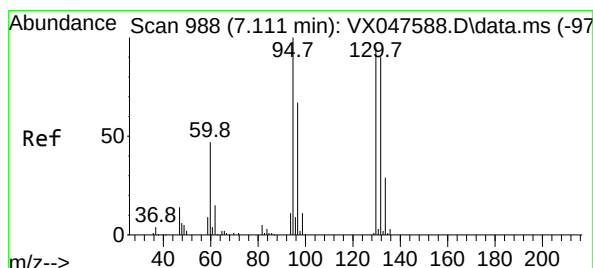
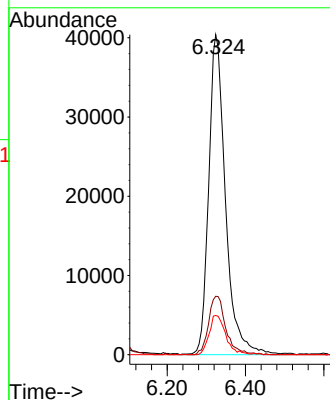
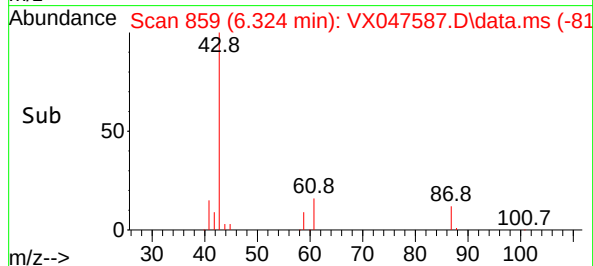
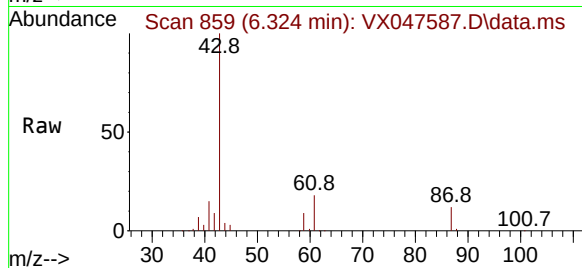
87 12.1 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#44

Trichloroethene

Concen: 21.228 ug/l

RT: 7.110 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX047587.D

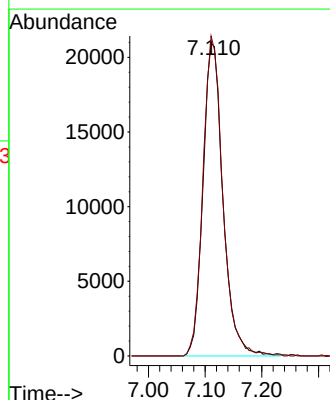
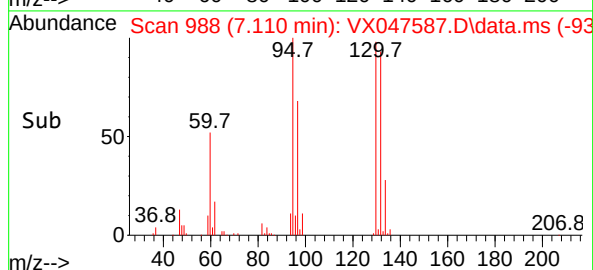
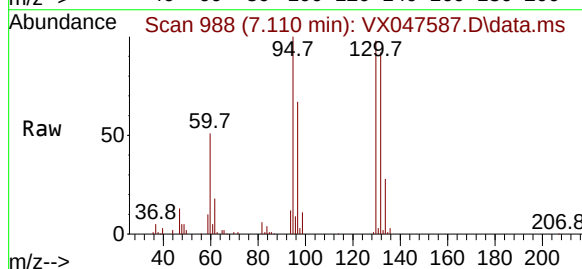
Acq: 16 Sep 2025 10:37

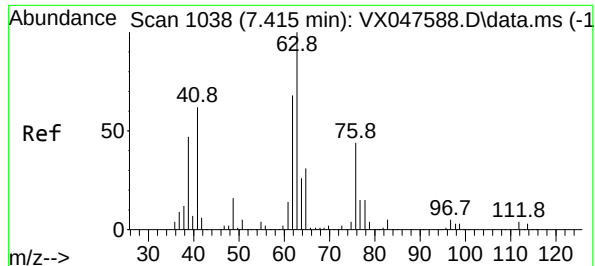
Tgt Ion:130 Resp: 51369

Ion Ratio Lower Upper

130 100

95 102.3 0.0 210.8





#45

1,2-Dichloropropane

Concen: 20.697 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 5304

Ion Ratio Lower Upper

63 100

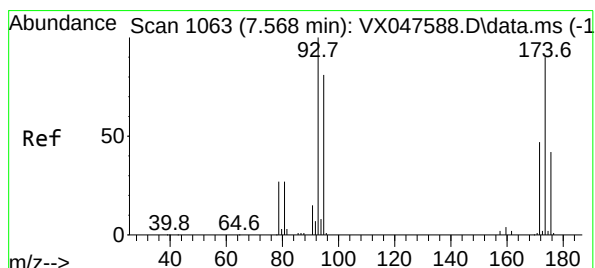
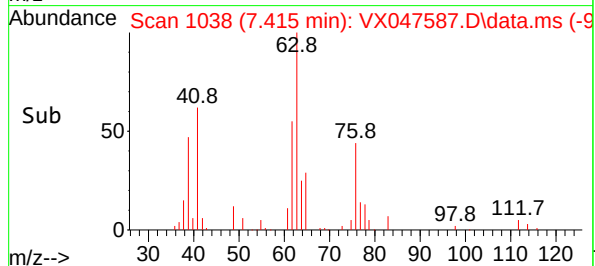
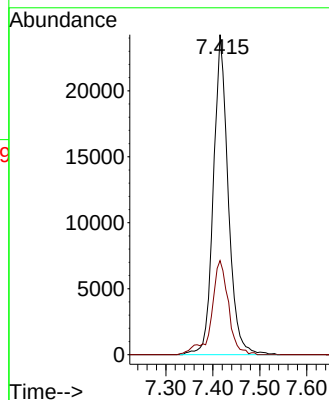
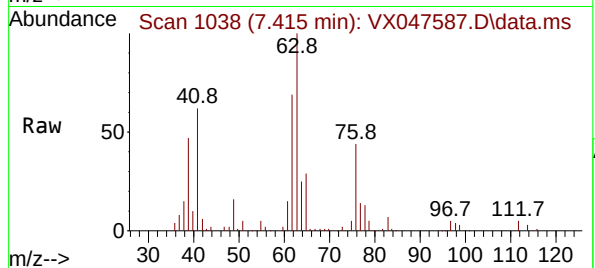
65 29.4 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#46

Dibromomethane

Concen: 20.862 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

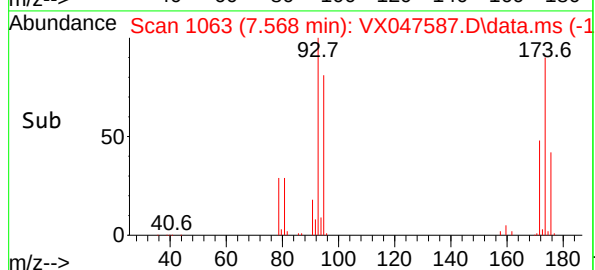
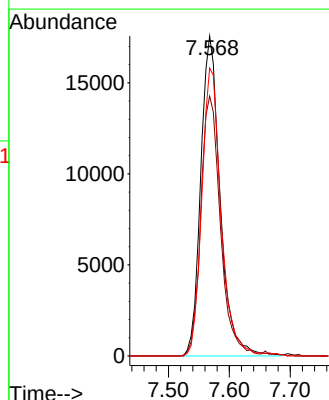
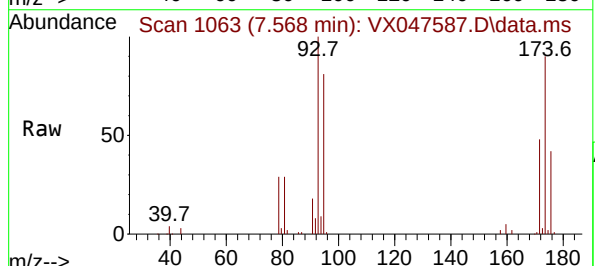
Tgt Ion: 93 Resp: 38910

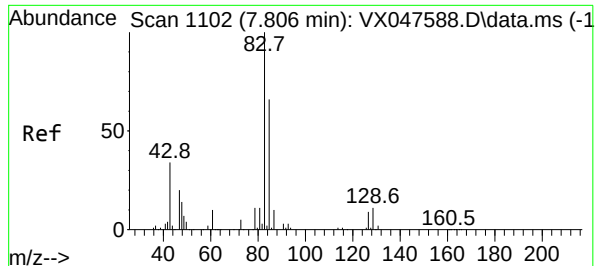
Ion Ratio Lower Upper

93 100

95 82.0 65.0 97.6

174 89.2 71.6 107.4





#47

Bromodichloromethane

Concen: 21.002 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

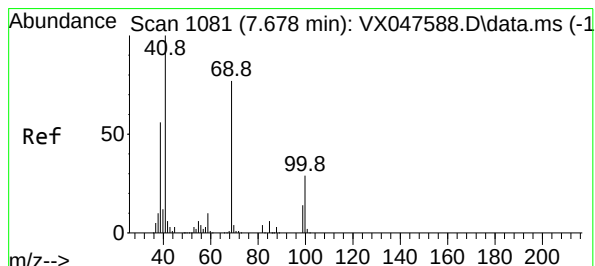
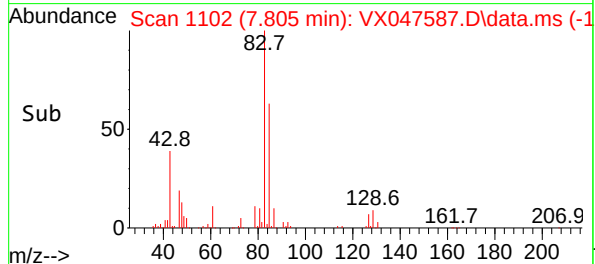
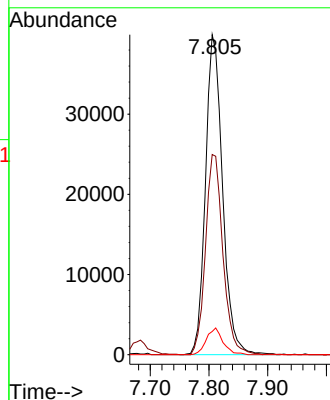
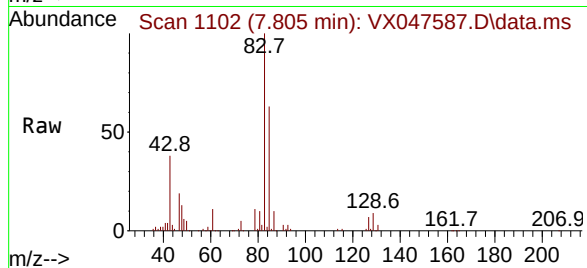
VSTDIC020

Tgt Ion:	83	Resp:	8083
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.2	6.9	10.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#48

Methyl methacrylate

Concen: 20.877 ug/l

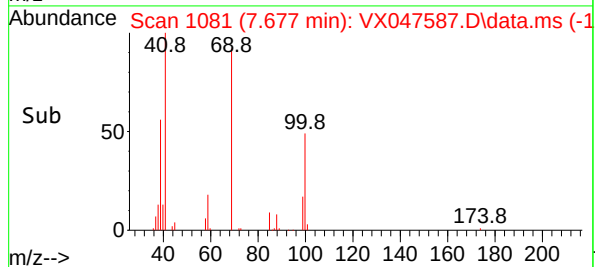
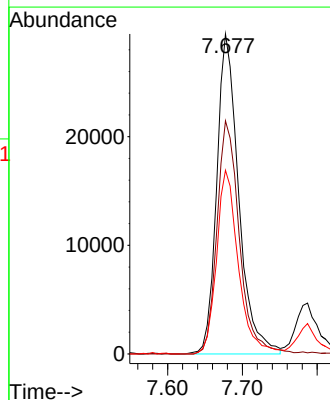
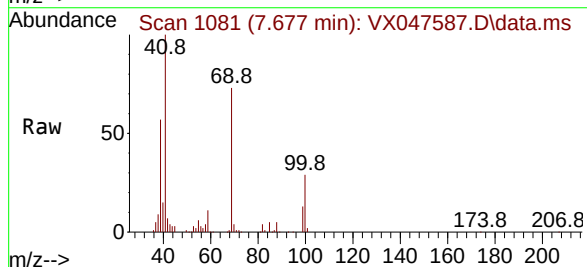
RT: 7.677 min Scan# 1081

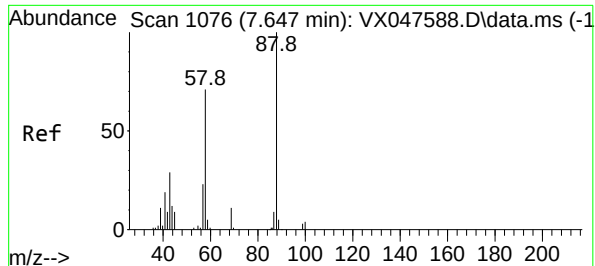
Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Tgt Ion:	41	Resp:	60182
Ion	Ratio	Lower	Upper
41	100		
69	74.2	61.4	92.2
39	57.2	45.8	68.6





#49

1,4-Dioxane

Concen: 413.530 ug/l

RT: 7.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

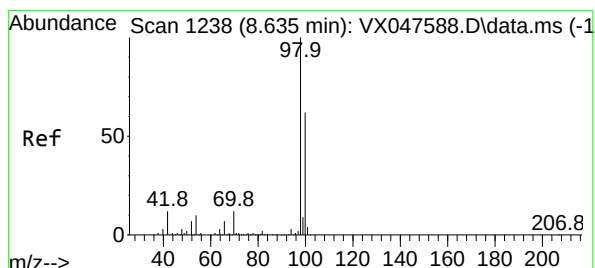
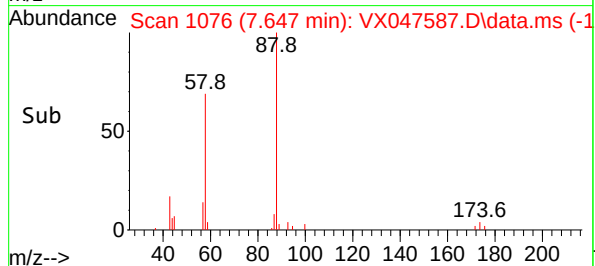
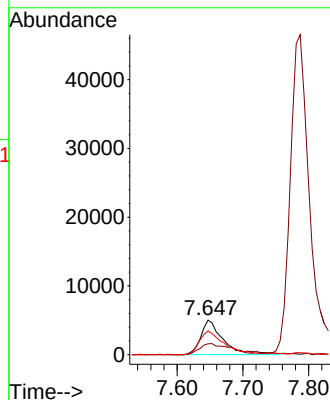
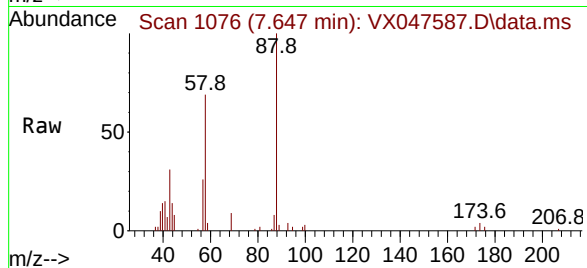
VSTDICC020

Tgt Ion:	88	Resp:	1204
Ion	Ratio	Lower	Upper
88	100		
43	44.7	30.2	45.2
58	75.8	59.5	89.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#50

Toluene-d8

Concen: 16.258 ug/l

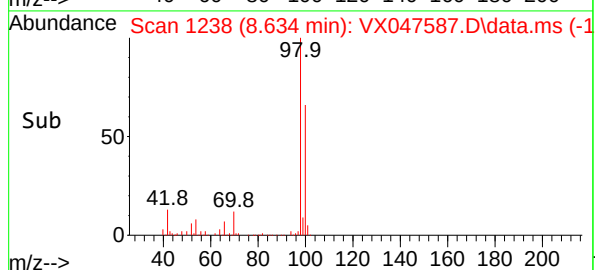
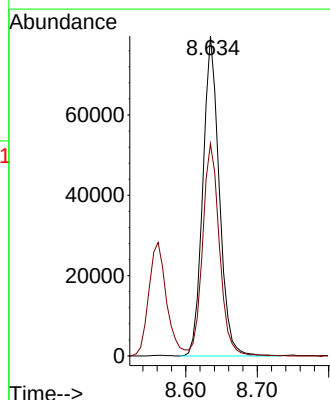
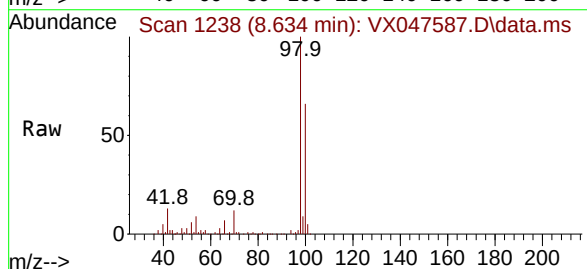
RT: 8.634 min Scan# 1238

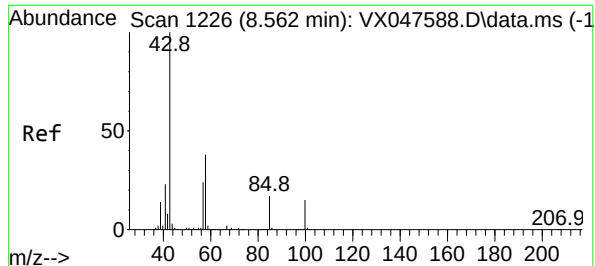
Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

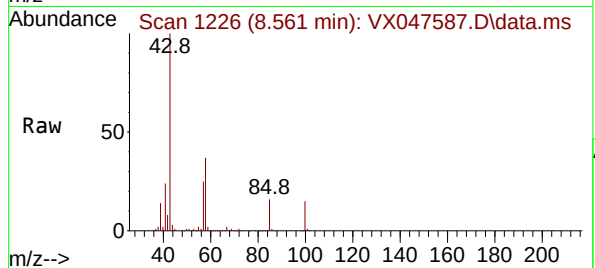
Tgt Ion:	98	Resp:	126875
Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 105.456 ug/l
RT: 8.561 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

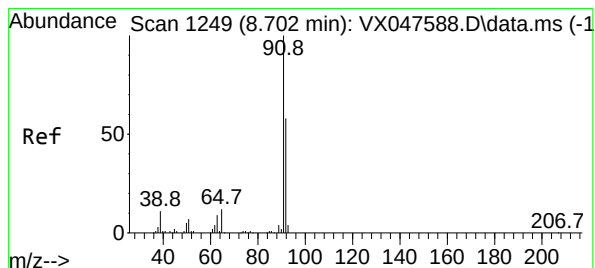
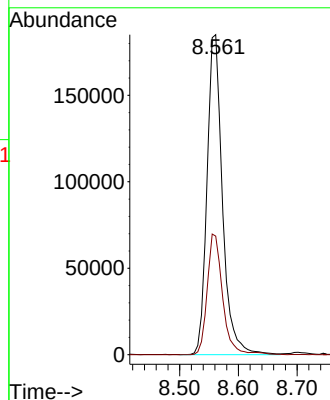
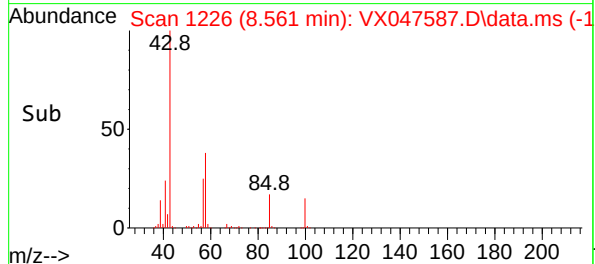
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 338370
Ion Ratio Lower Upper
43 100
58 37.8 30.3 45.5

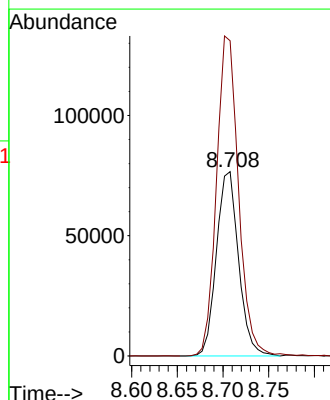
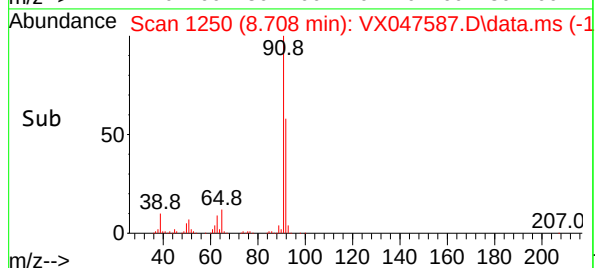
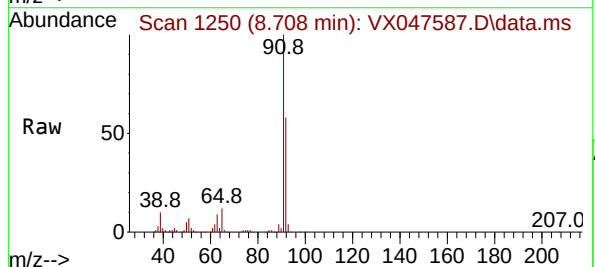
Manual Integrations
APPROVED

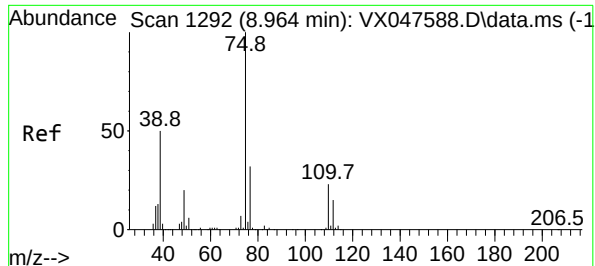
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#52
Toluene
Concen: 20.950 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 92 Resp: 129193
Ion Ratio Lower Upper
92 100
91 173.2 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 20.625 ug/l

RT: 8.964 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 75 Resp: 80972

Ion Ratio Lower Upper

75 100

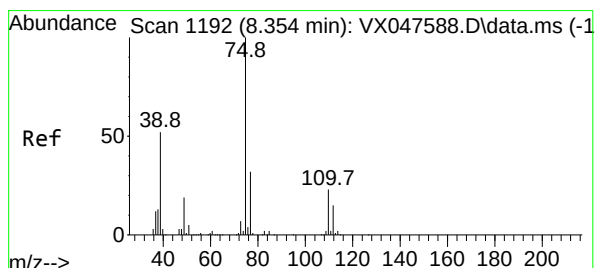
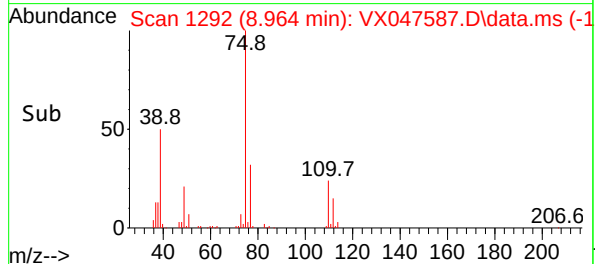
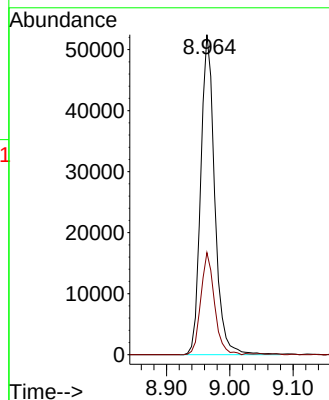
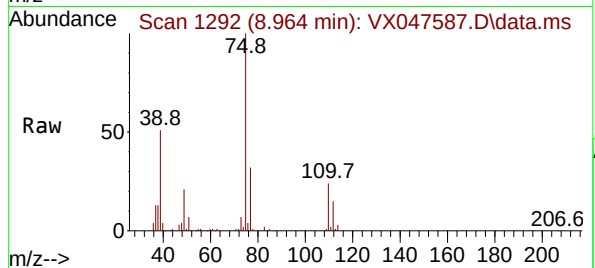
77 31.9 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#54

cis-1,3-Dichloropropene

Concen: 20.650 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

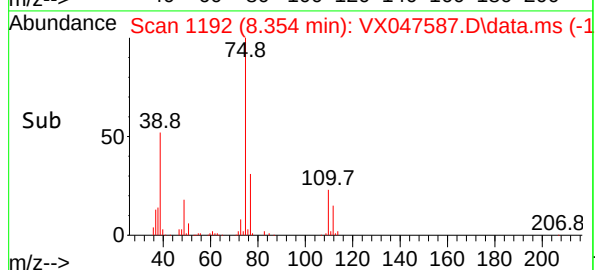
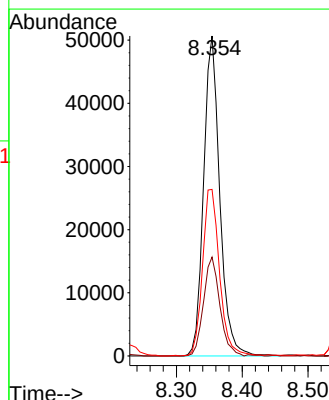
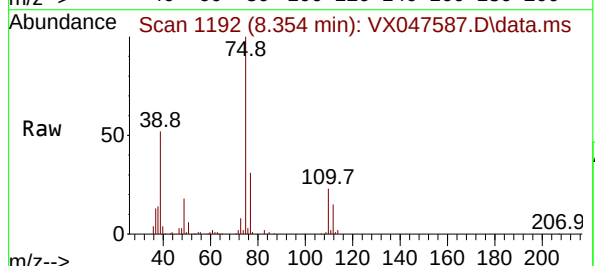
Tgt Ion: 75 Resp: 86648

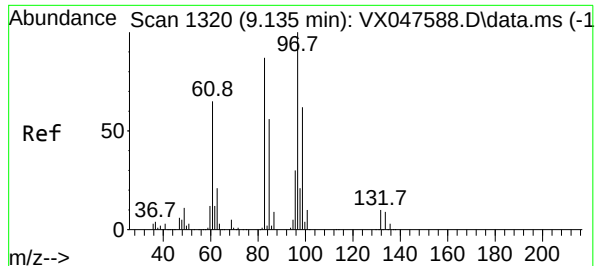
Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.6

39 52.0 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 20.967 ug/l

RT: 9.140 min Scan# 1320

Delta R.T. 0.006 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

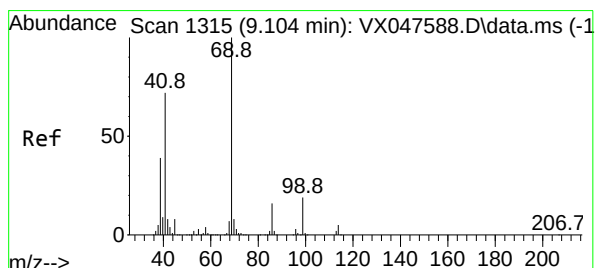
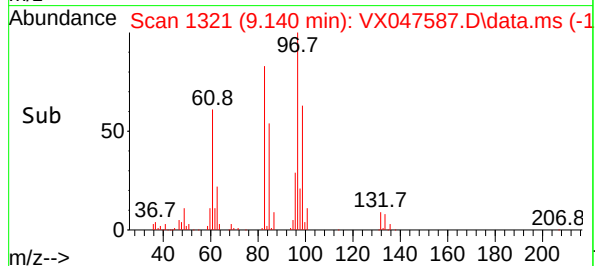
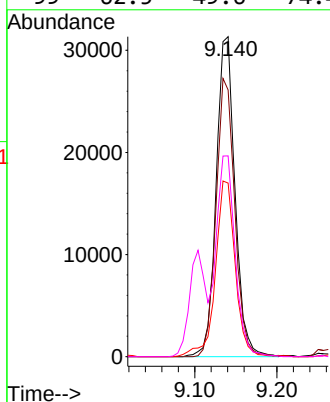
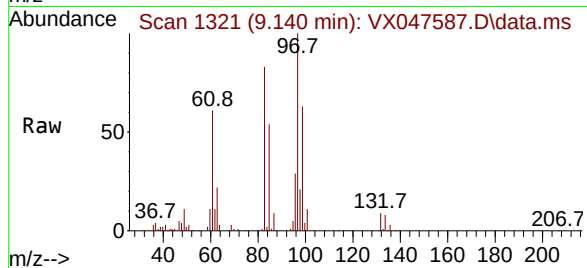
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.6	104.4
85	55.2	45.0	67.6
99	62.5	49.6	74.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#56

Ethyl methacrylate

Concen: 21.158 ug/l

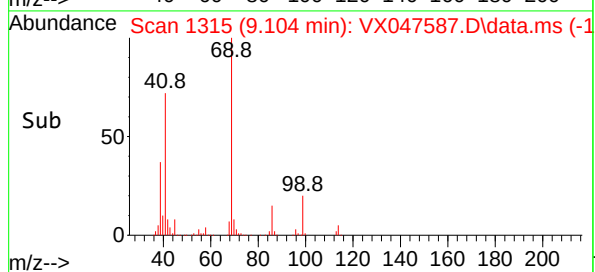
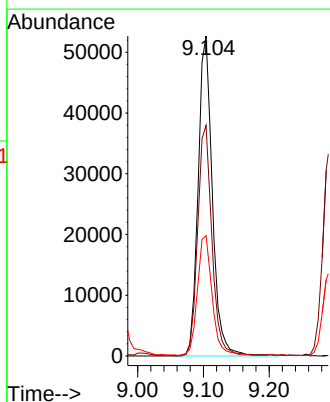
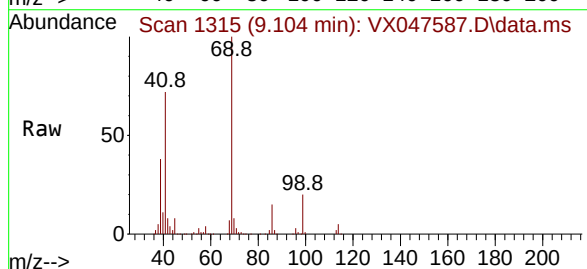
RT: 9.104 min Scan# 1315

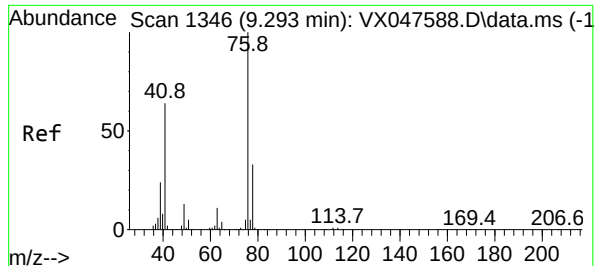
Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.6	58.6	87.8
39	38.6	31.5	47.3





#57

1,3-Dichloropropane

Concen: 20.934 ug/l

RT: 9.293 min Scan# 11346

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 8551

Ion Ratio Lower Upper

76 100

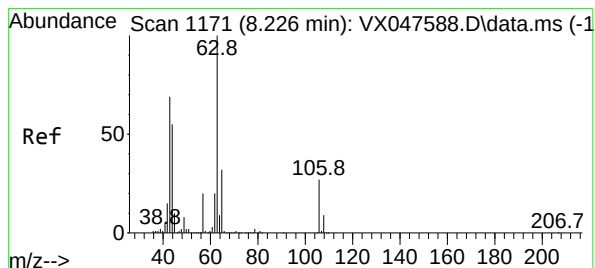
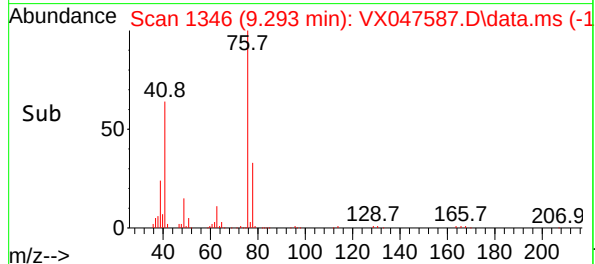
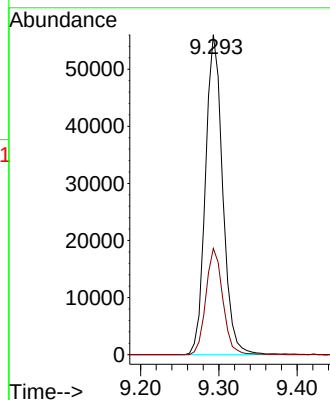
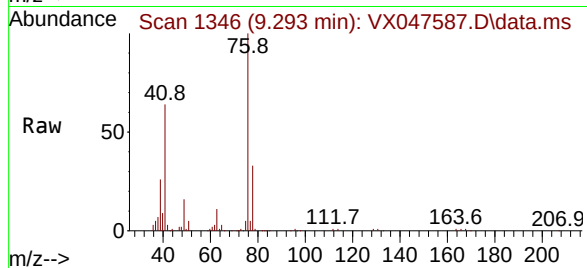
78 32.6 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#58

2-Chloroethyl Vinyl ether

Concen: 86.617 ug/l

RT: 8.226 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VX047587.D

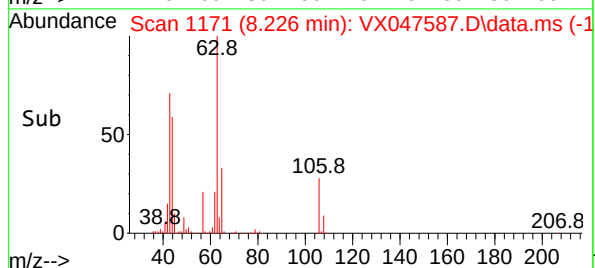
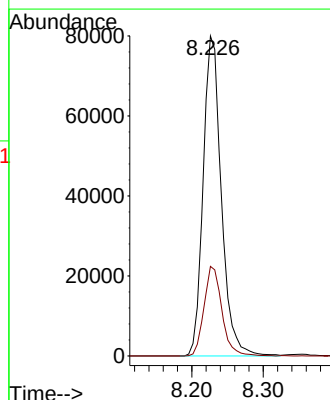
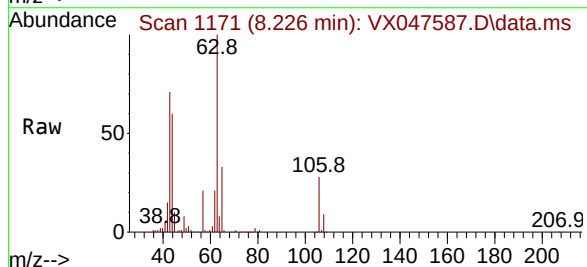
Acq: 16 Sep 2025 10:37

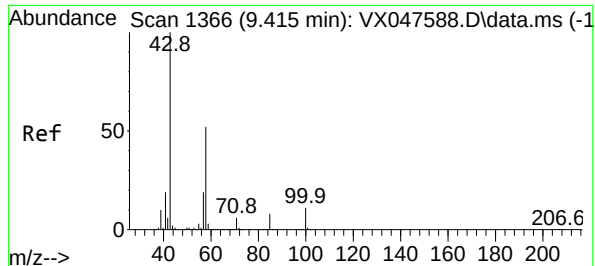
Tgt Ion: 63 Resp: 141395

Ion Ratio Lower Upper

63 100

106 27.5 21.9 32.9





#59

2-Hexanone

Concen: 108.488 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 25000

Ion Ratio Lower Upper

43 100

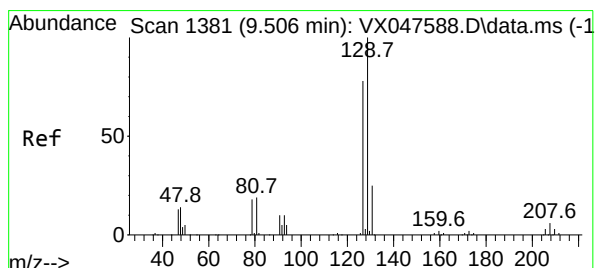
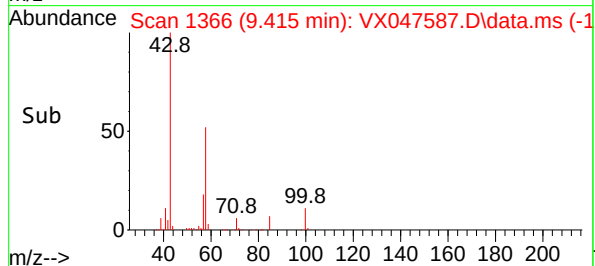
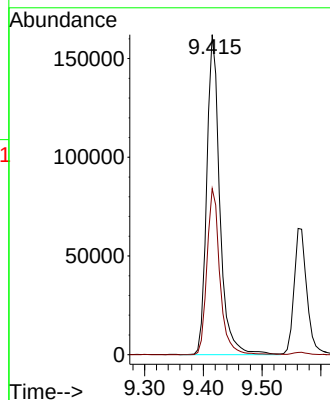
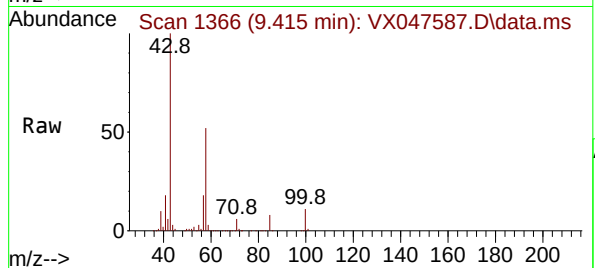
58 51.4 26.1 78.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#60

Dibromochloromethane

Concen: 21.167 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VX047587.D

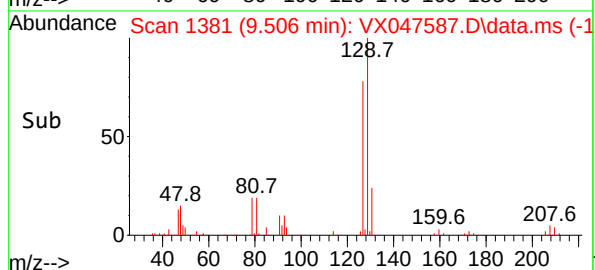
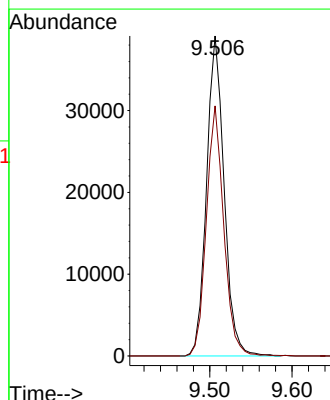
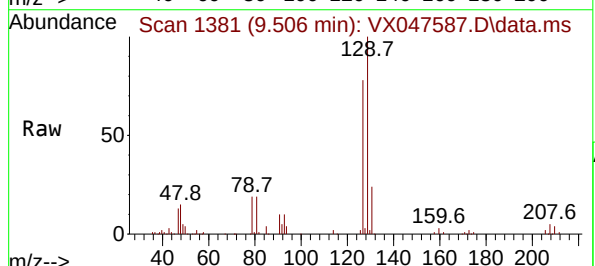
Acq: 16 Sep 2025 10:37

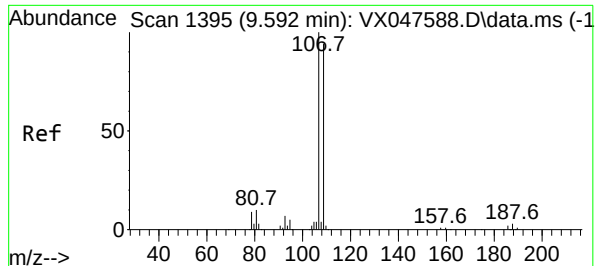
Tgt Ion:129 Resp: 57994

Ion Ratio Lower Upper

129 100

127 77.7 38.4 115.2





#61

1,2-Dibromoethane

Concen: 21.310 ug/l

RT: 9.598 min Scan# 1395

Delta R.T. 0.006 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:107 Resp: 51614

Ion Ratio Lower Upper

107 100

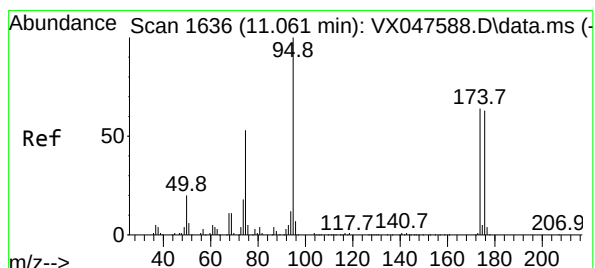
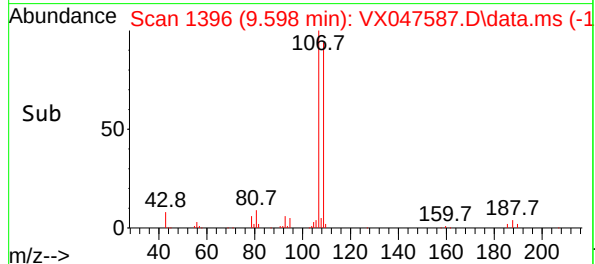
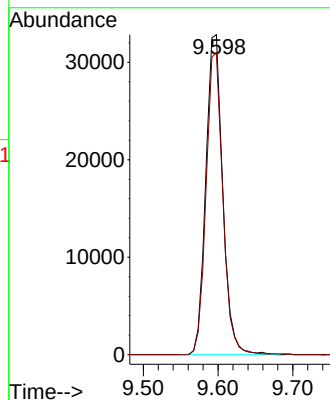
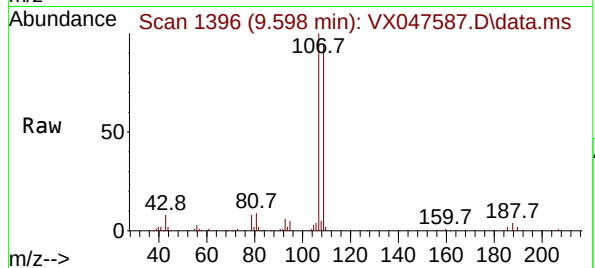
109 93.4 75.3 112.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#62

4-Bromofluorobenzene

Concen: 16.360 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. 0.006 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

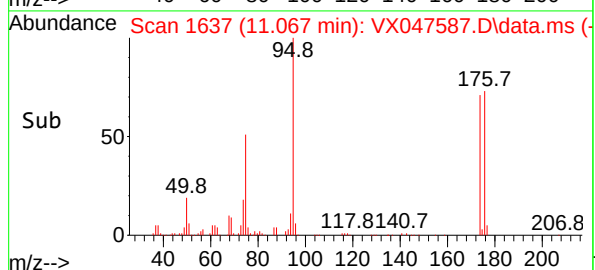
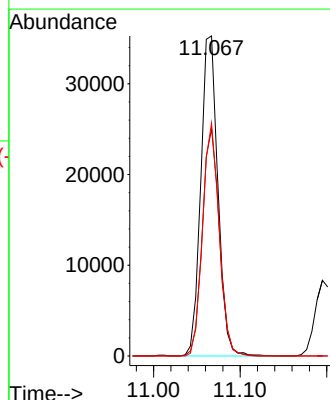
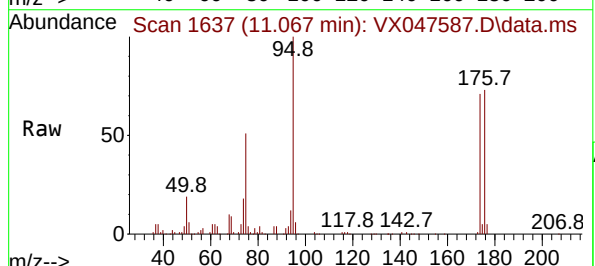
Tgt Ion: 95 Resp: 48454

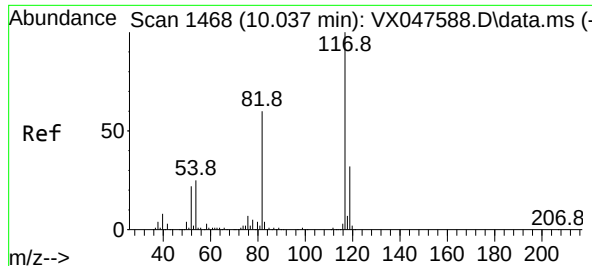
Ion Ratio Lower Upper

95 100

174 70.2 0.0 141.6

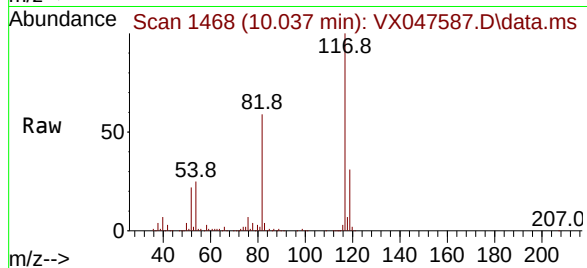
176 70.3 0.0 138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

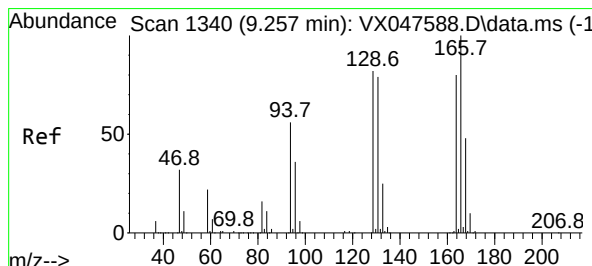
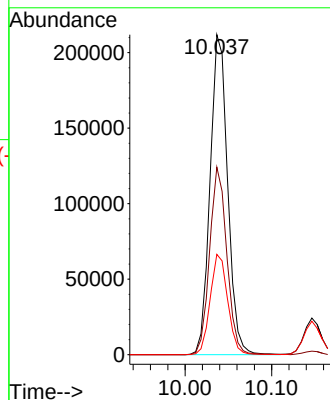
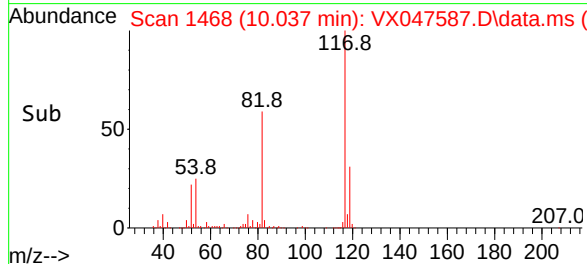
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



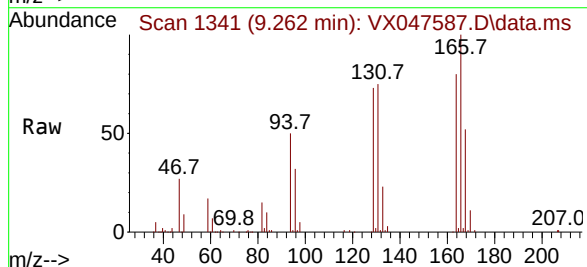
Tgt Ion:117 Resp: 298629
Ion Ratio Lower Upper
117 100
82 58.6 47.8 71.6
119 31.3 25.2 37.8

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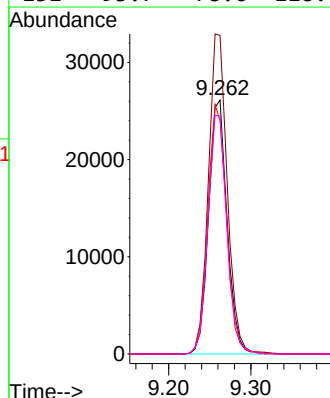
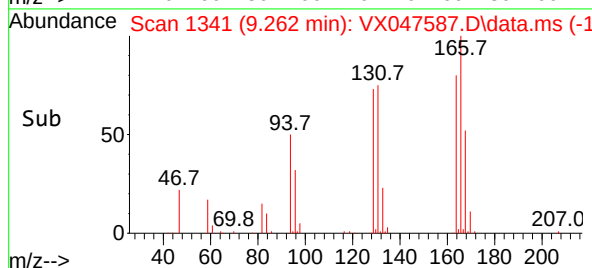
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

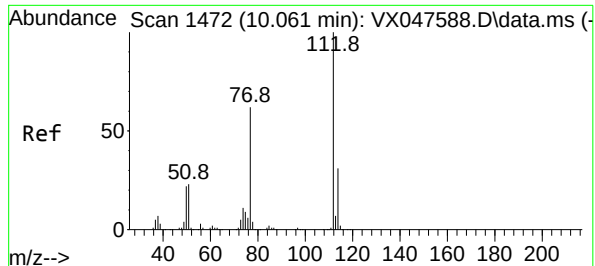


#64
Tetrachloroethene
Concen: 20.979 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37



Tgt Ion:164 Resp: 40840
Ion Ratio Lower Upper
164 100
166 125.4 100.2 150.2
129 91.8 81.8 122.6
131 93.7 78.6 118.0





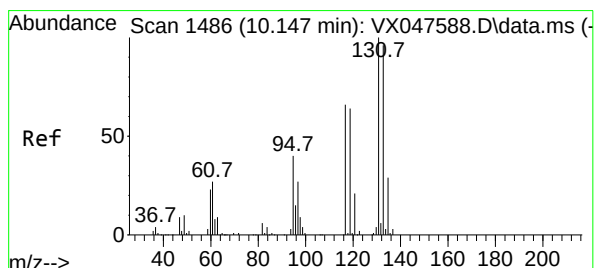
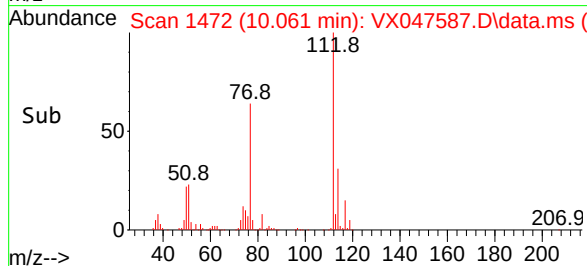
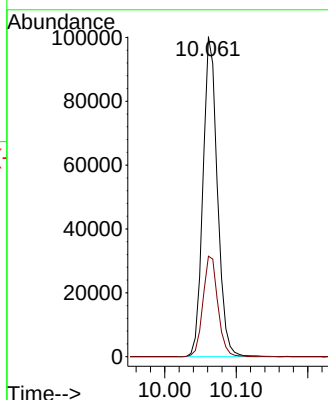
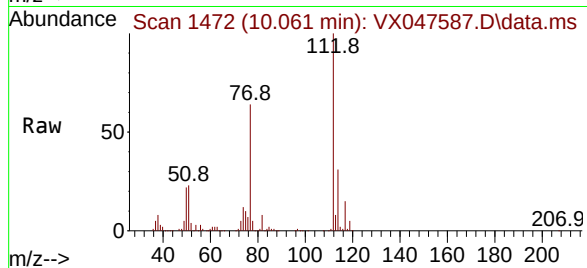
#65
Chlorobenzene
Concen: 20.731 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 14064
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7

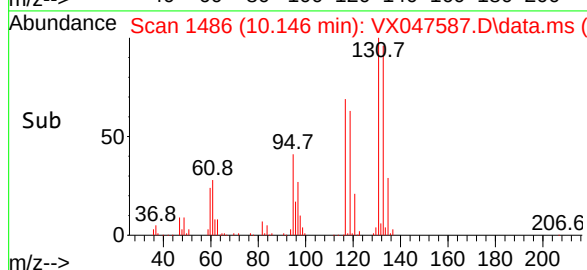
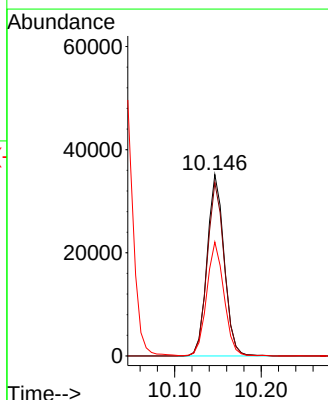
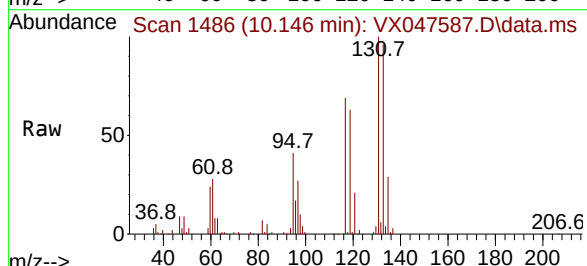
Manual Integrations
APPROVED

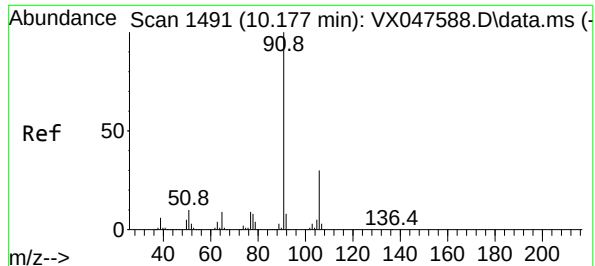
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.513 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:131 Resp: 48022
Ion Ratio Lower Upper
131 100
133 95.9 47.3 142.0
119 63.9 32.0 96.0





#67

Ethyl Benzene

Concen: 20.907 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 24473

Ion Ratio Lower Upper

91 100

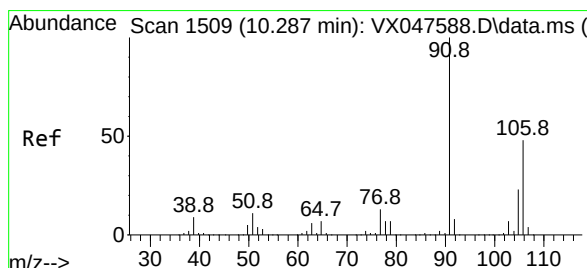
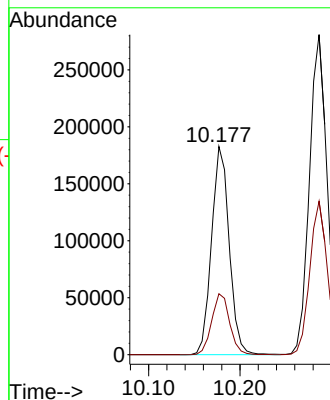
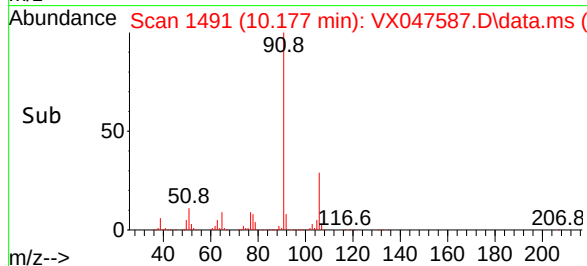
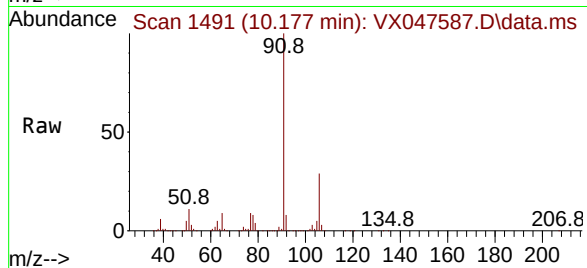
106 29.3 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#68

m/p-Xylenes

Concen: 41.951 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX047587.D

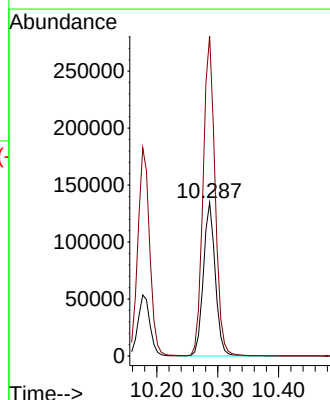
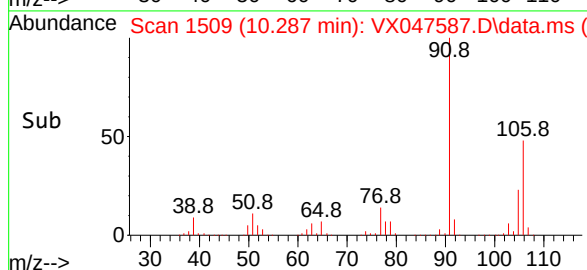
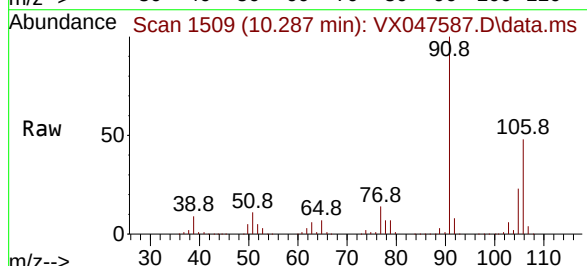
Acq: 16 Sep 2025 10:37

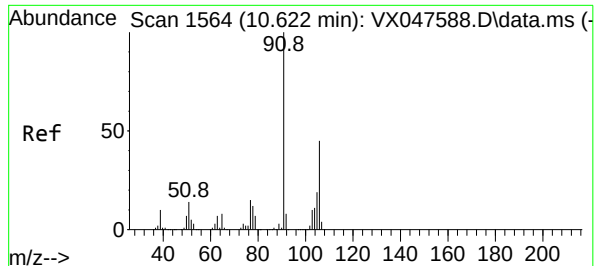
Tgt Ion:106 Resp: 182778

Ion Ratio Lower Upper

106 100

91 210.2 167.8 251.8





#69

o-Xylene

Concen: 20.799 ug/l

RT: 10.628 min Scan# 1565

Delta R.T. 0.006 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion:106 Resp: 8765

Ion Ratio Lower Upper

106 100

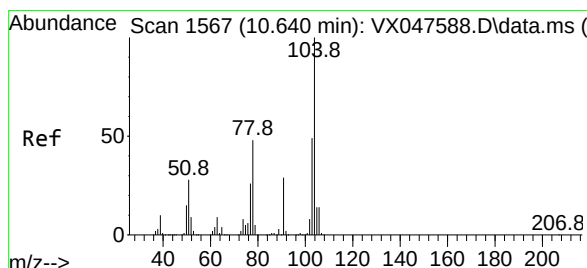
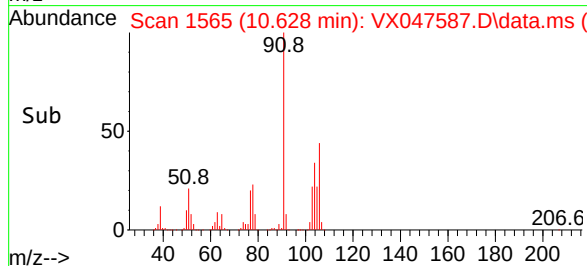
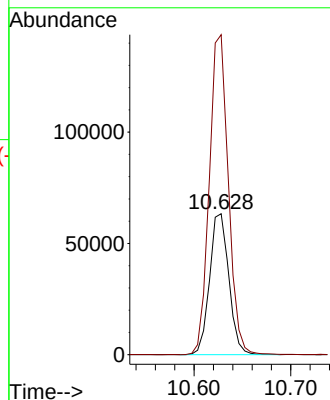
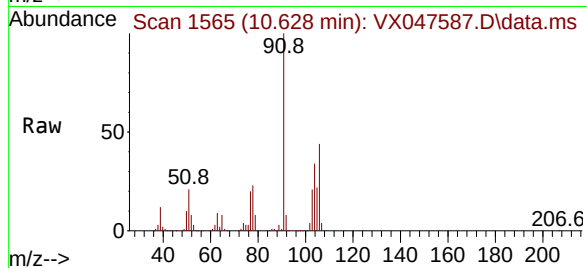
91 225.3 111.1 333.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#70

Styrene

Concen: 20.866 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

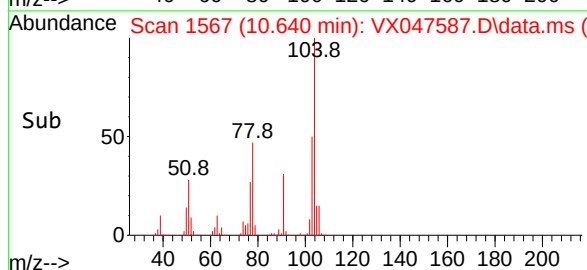
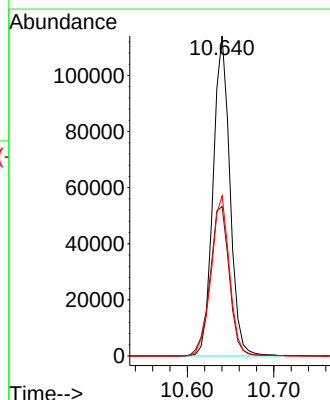
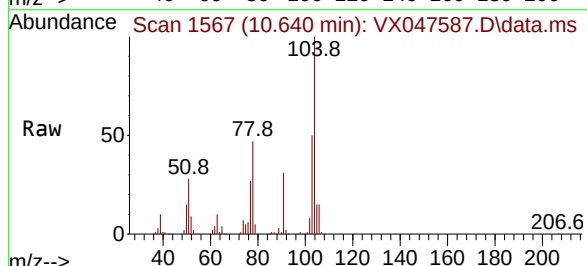
Tgt Ion:104 Resp: 154077

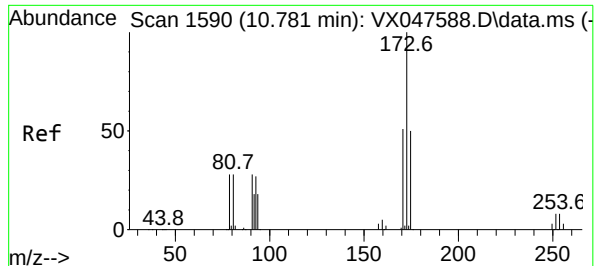
Ion Ratio Lower Upper

104 100

78 53.6 43.1 64.7

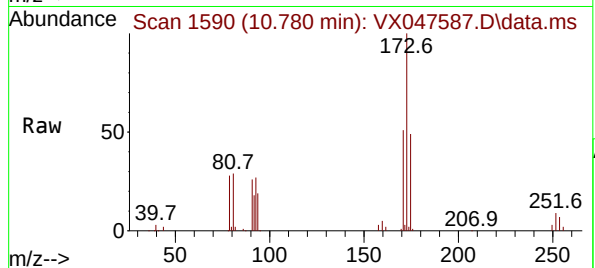
103 54.4 43.1 64.7





#71
Bromoform
Concen: 20.550 ug/l
RT: 10.780 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

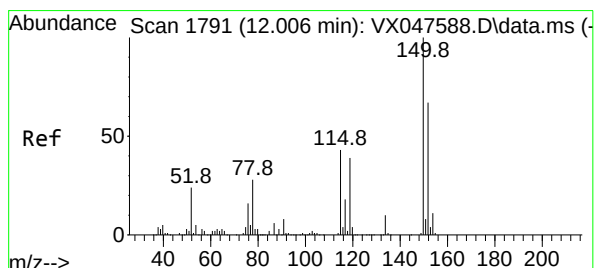
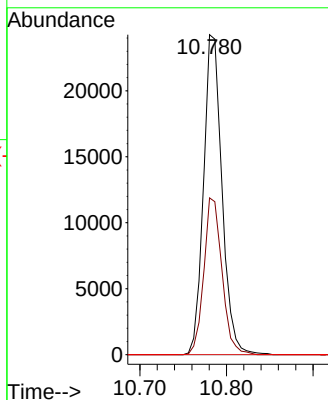
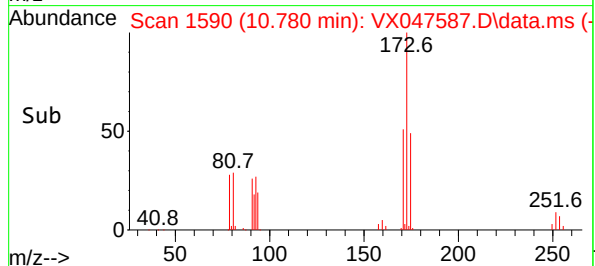
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:173 Resp: 3592
Ion Ratio Lower Upper
173 100
175 48.3 24.9 74.6
254 0.0 0.1 0.1

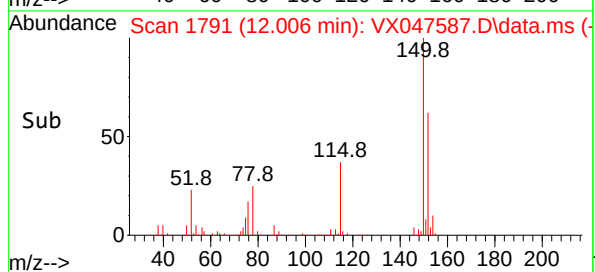
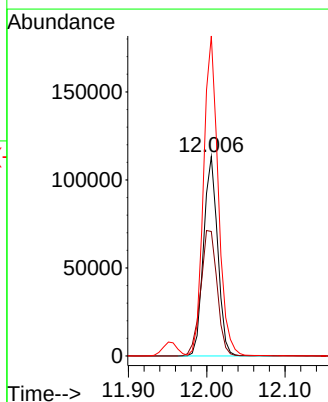
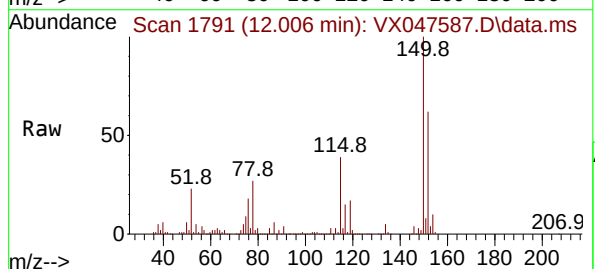
Manual Integrations
APPROVED

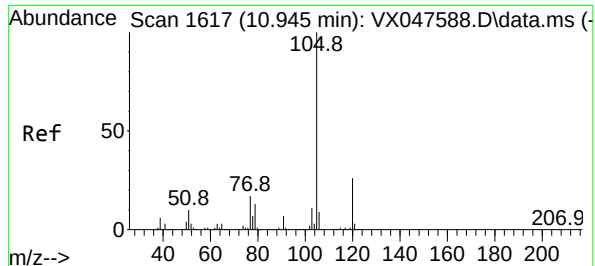
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

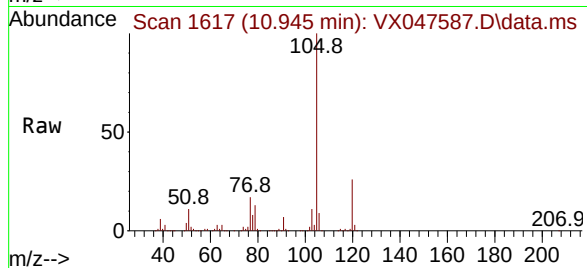
Tgt Ion:152 Resp: 141590
Ion Ratio Lower Upper
152 100
115 73.2 44.9 134.5
150 167.1 0.0 352.0





#73
Isopropylbenzene
Concen: 20.970 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

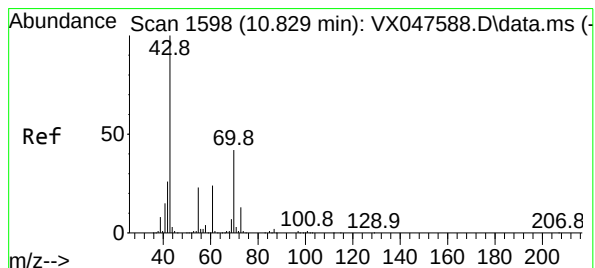
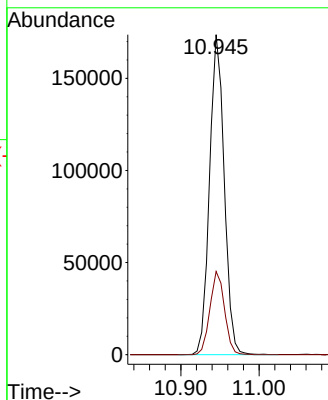
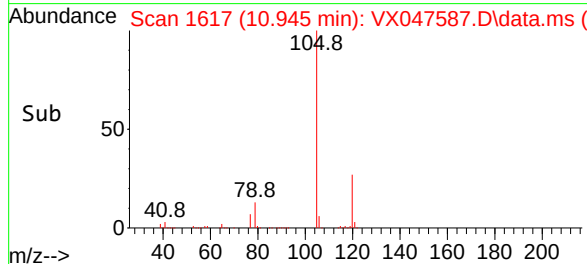
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 105 Resp: 225730
Ion Ratio Lower Upper
105 100
120 25.9 12.8 38.4

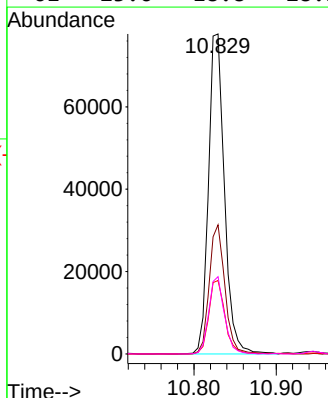
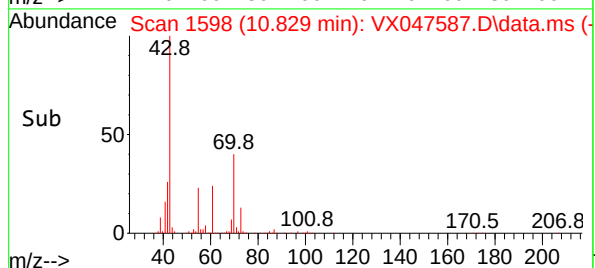
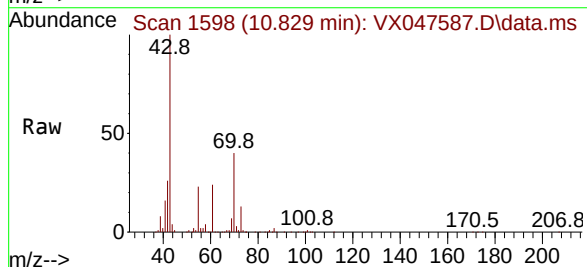
Manual Integrations
APPROVED

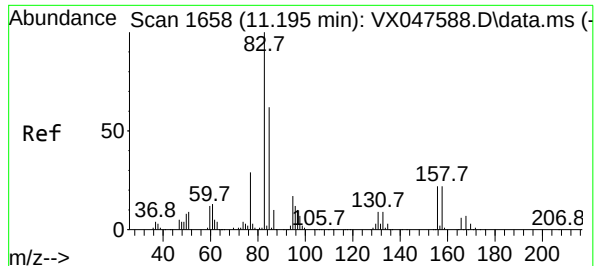
Reviewed By : John Carlone 09/17/2025
Supervised By : Mahesh Dadoda 09/18/2025



#74
N-ethyl acetate
Concen: 21.354 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 104823
Ion Ratio Lower Upper
43 100
70 39.8 32.0 48.0
55 23.4 18.9 28.3
61 23.6 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.920 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

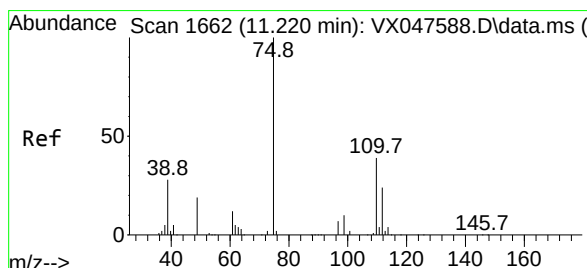
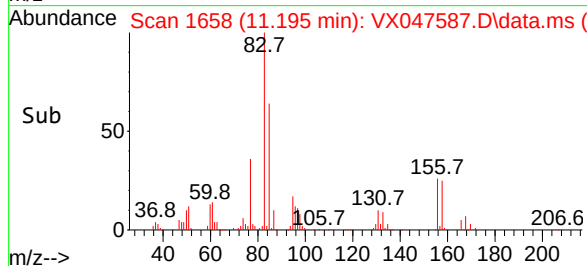
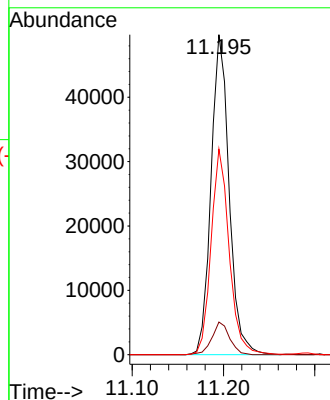
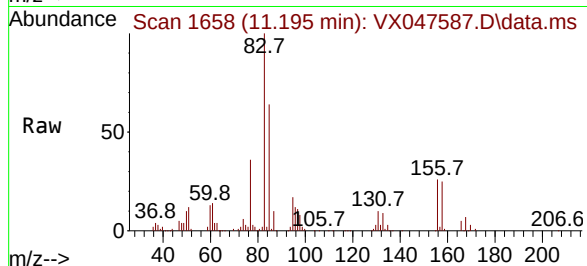
Tgt Ion:	83	Resp:	6813
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	14.9
85	64.4	31.6	95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#76

1,2,3-Trichloropropane

Concen: 20.680 ug/l m

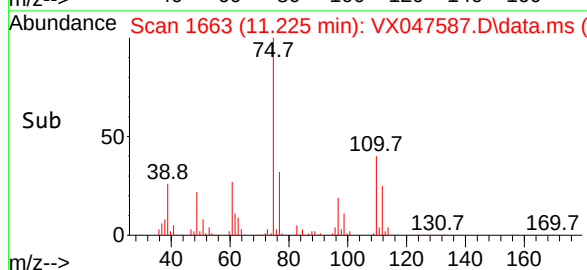
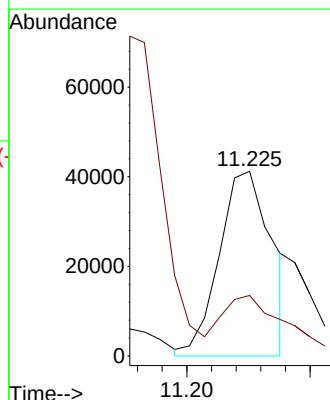
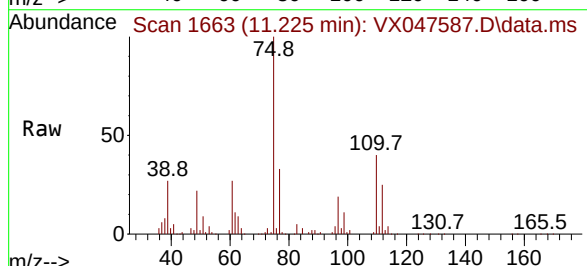
RT: 11.225 min Scan# 1663

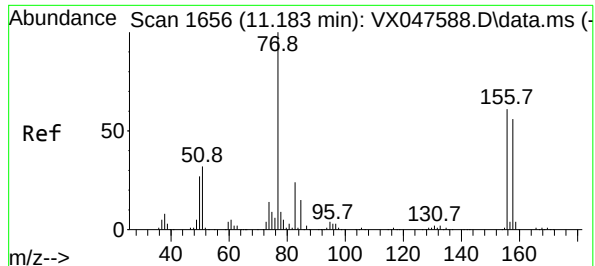
Delta R.T. 0.006 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

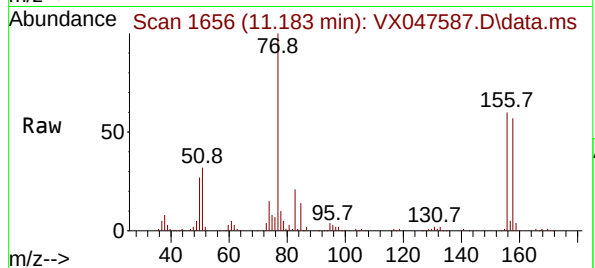
Tgt Ion:	75	Resp:	60797
Ion Ratio	Lower	Upper	
75	100		
77	39.6	18.8	56.4





#77
Bromobenzene
Concen: 21.183 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

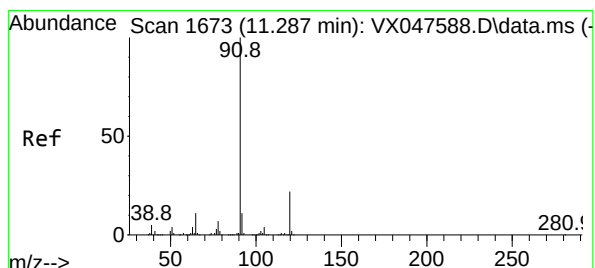
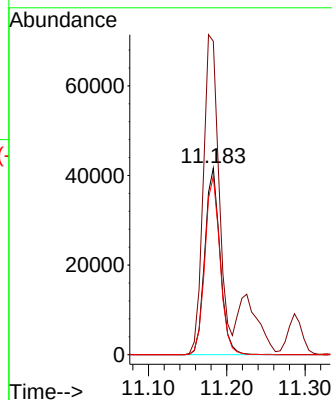
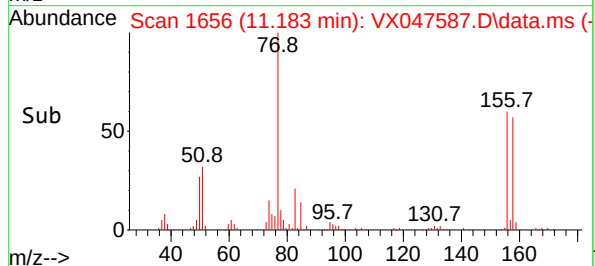
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



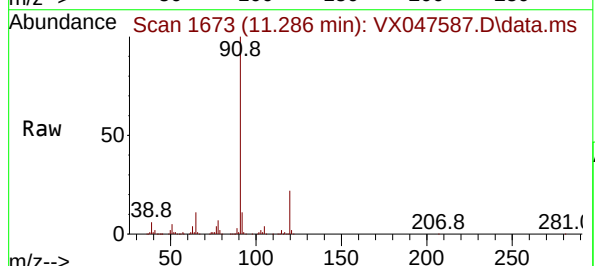
Tgt Ion:156 Resp: 5616
Ion Ratio Lower Upper
156 100
77 177.4 89.7 269.1
158 95.2 47.9 143.6

Manual Integrations
APPROVED

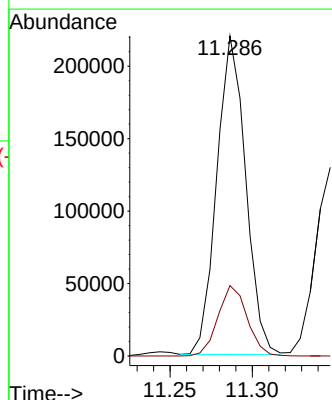
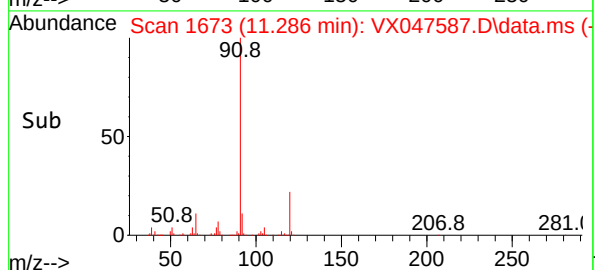
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

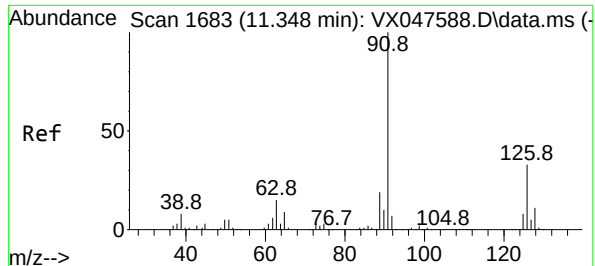


#78
n-propylbenzene
Concen: 21.092 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37



Tgt Ion: 91 Resp: 268399
Ion Ratio Lower Upper
91 100
120 22.3 11.1 33.1





#79

2-Chlorotoluene

Concen: 21.329 ug/l

RT: 11.347 min Scan# 1683

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 16623

Ion Ratio Lower Upper

91 100

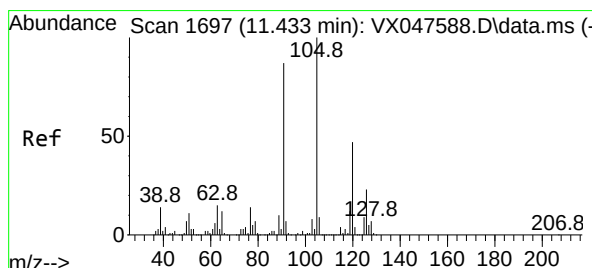
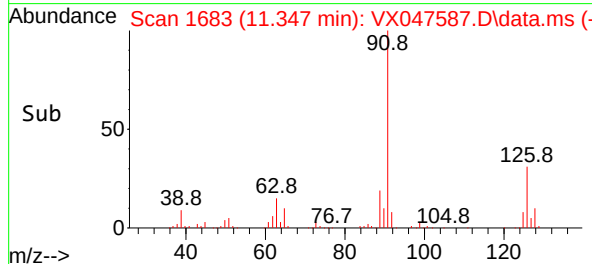
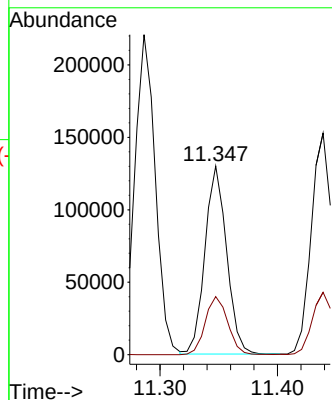
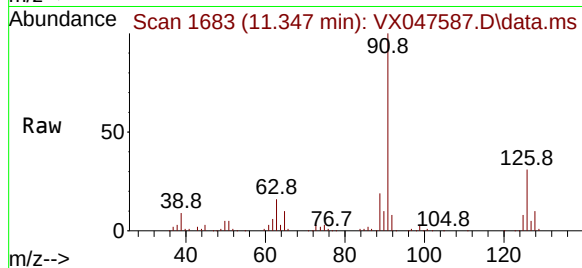
126 32.1 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#80

1,3,5-Trimethylbenzene

Concen: 21.202 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX047587.D

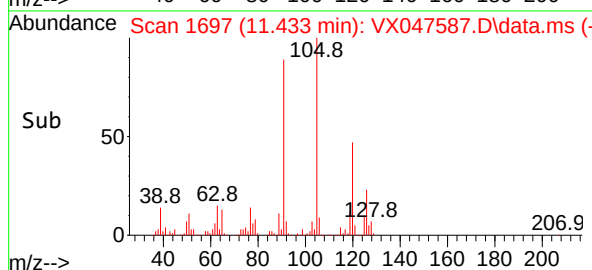
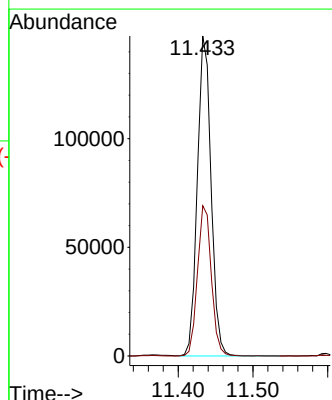
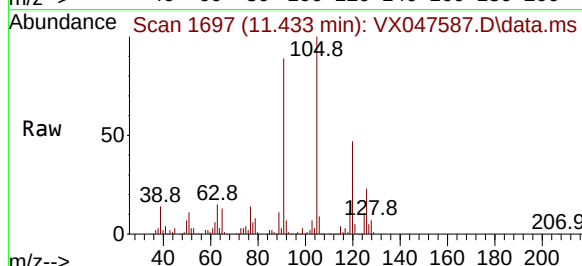
Acq: 16 Sep 2025 10:37

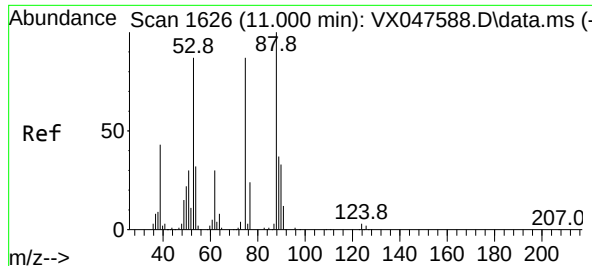
Tgt Ion:105 Resp: 187513

Ion Ratio Lower Upper

105 100

120 47.4 23.6 70.8





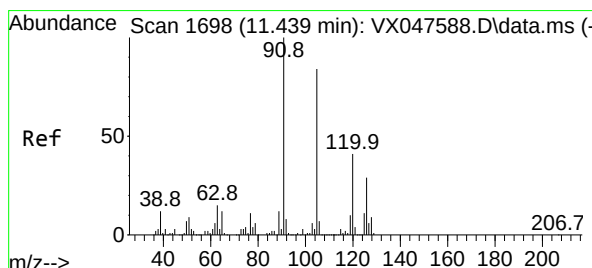
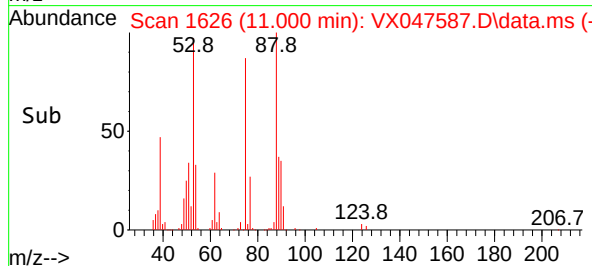
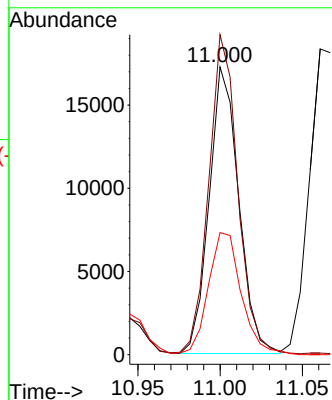
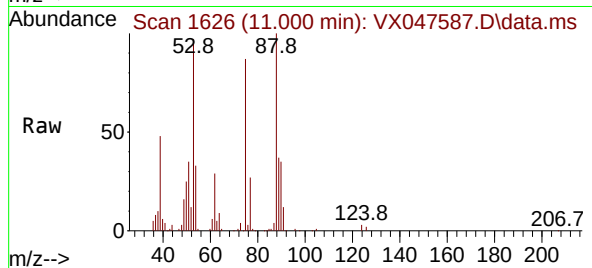
#81
trans-1,4-Dichloro-2-butene
Concen: 19.173 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 2155
Ion Ratio Lower Upper
75 100
53 109.1 83.4 125.2
89 47.6 36.3 54.5

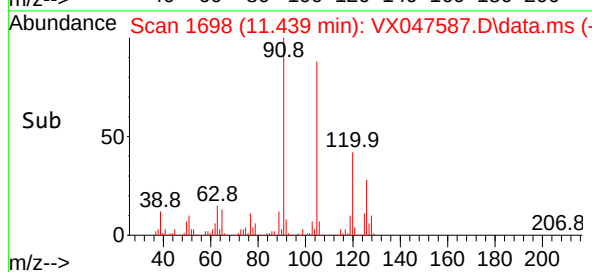
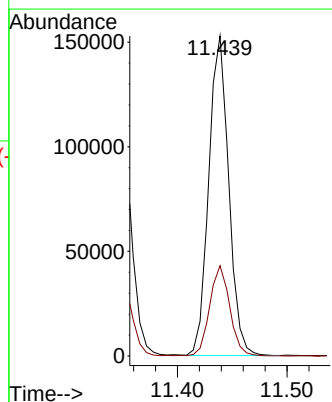
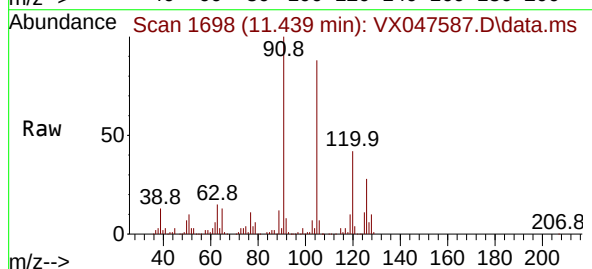
Manual Integrations
APPROVED

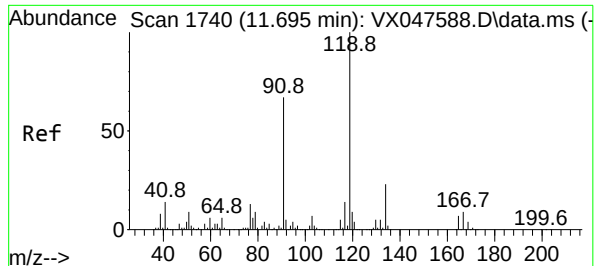
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#82
4-Chlorotoluene
Concen: 20.980 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 193122
Ion Ratio Lower Upper
91 100
126 28.5 14.2 42.6





#83

tert-Butylbenzene

Concen: 20.929 ug/l

RT: 11.695 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:119 Resp: 189484

Ion Ratio Lower Upper

119 100

91 59.2 29.6 88.8

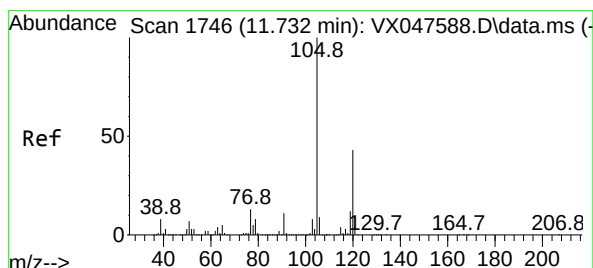
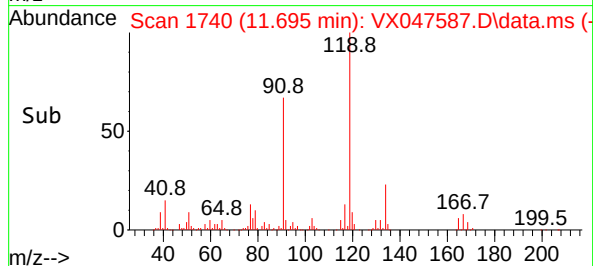
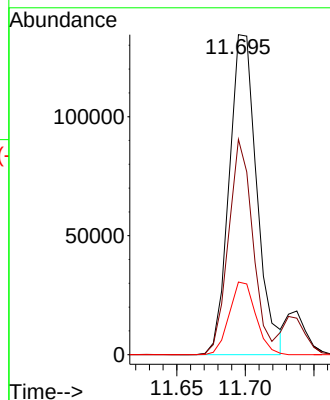
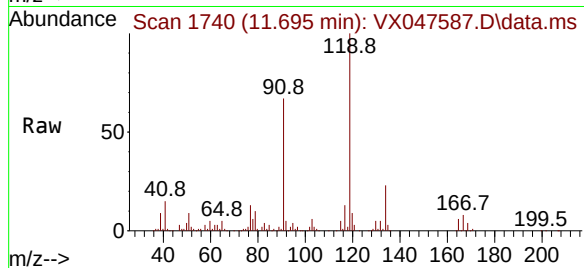
134 21.8 11.0 33.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#84

1,2,4-Trimethylbenzene

Concen: 21.355 ug/l

RT: 11.738 min Scan# 1747

Delta R.T. 0.006 min

Lab File: VX047587.D

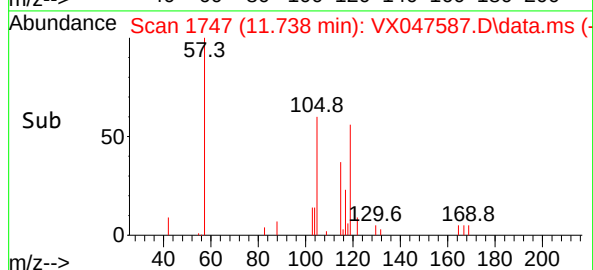
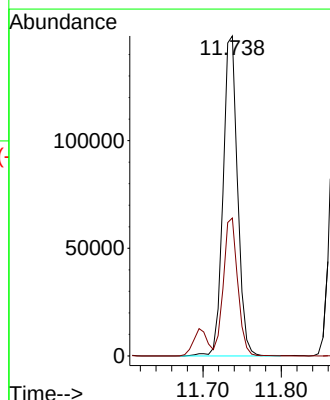
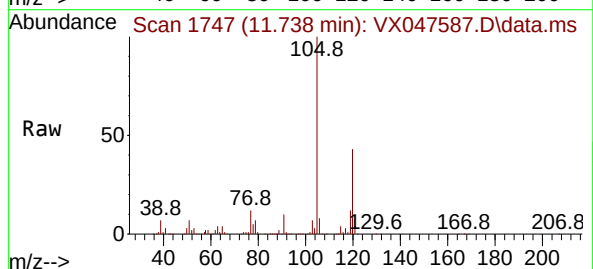
Acq: 16 Sep 2025 10:37

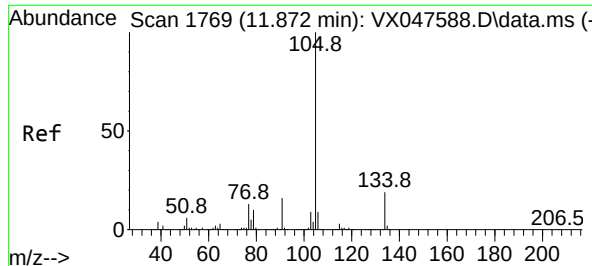
Tgt Ion:105 Resp: 191477

Ion Ratio Lower Upper

105 100

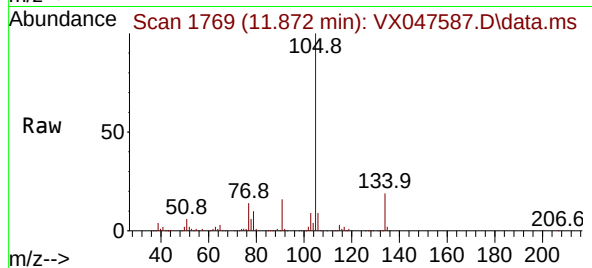
120 42.6 22.1 66.1





#85
sec-Butylbenzene
Concen: 20.777 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

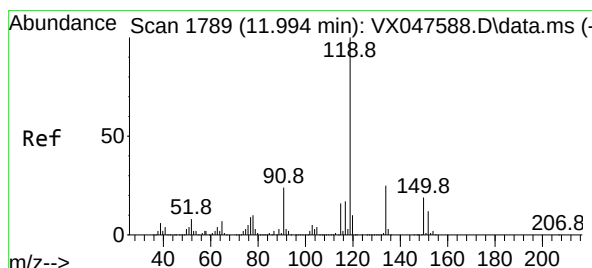
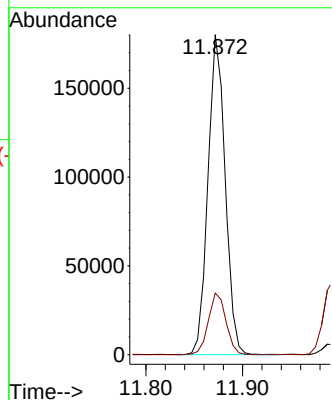
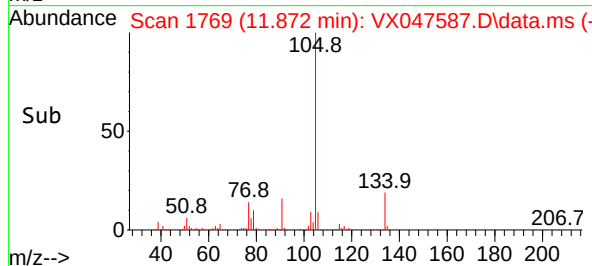
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



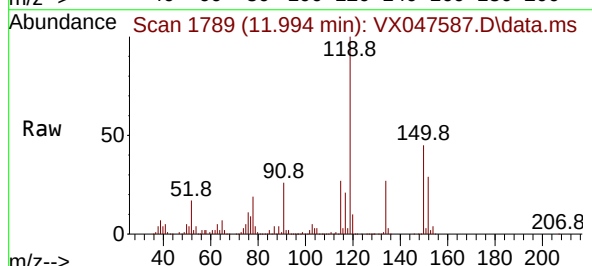
Tgt Ion:105 Resp: 223434
Ion Ratio Lower Upper
105 100
134 19.7 9.8 29.5

Manual Integrations
APPROVED

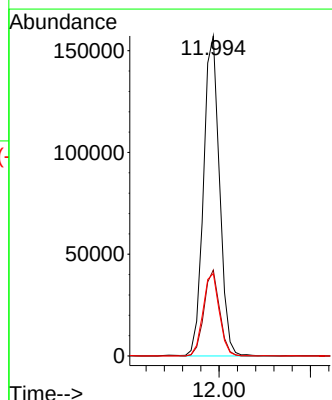
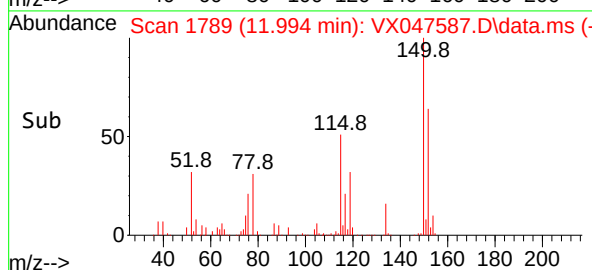
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

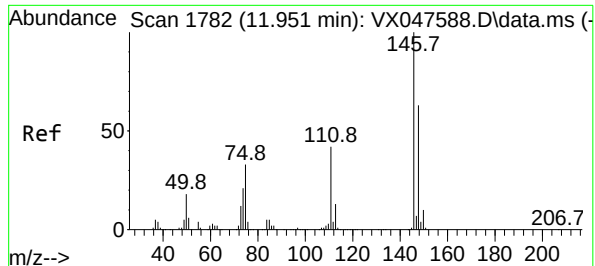


#86
p-Isopropyltoluene
Concen: 20.972 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37



Tgt Ion:119 Resp: 190931
Ion Ratio Lower Upper
119 100
134 26.1 12.6 37.8
91 26.2 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 21.035 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

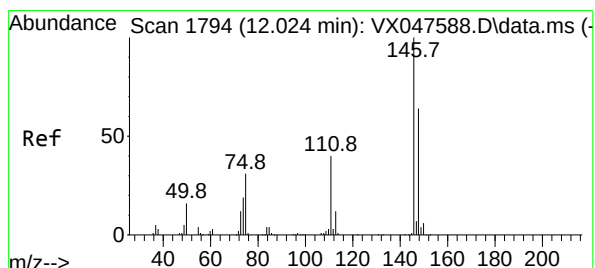
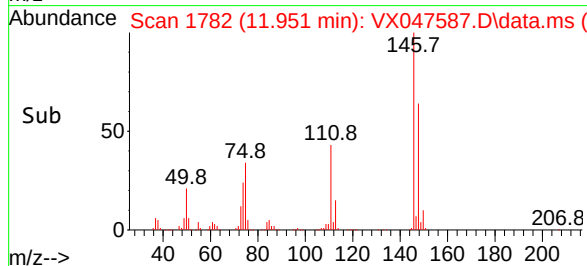
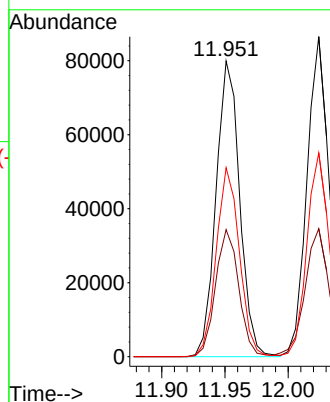
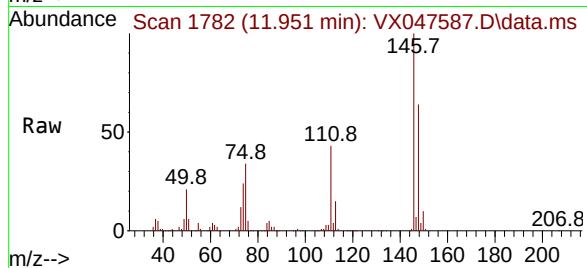
VSTDICC020

Tgt Ion:146	Resp: 103584
Ion Ratio	Lower Upper
146	100
111	42.4 21.5 64.5
148	62.7 32.0 96.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#88

1,4-Dichlorobenzene

Concen: 20.937 ug/l

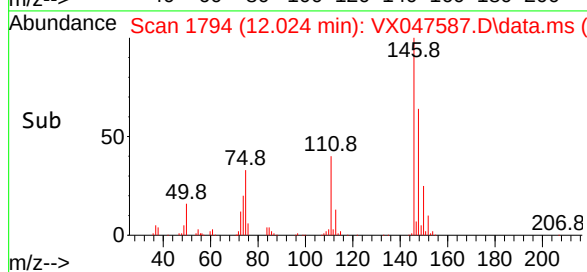
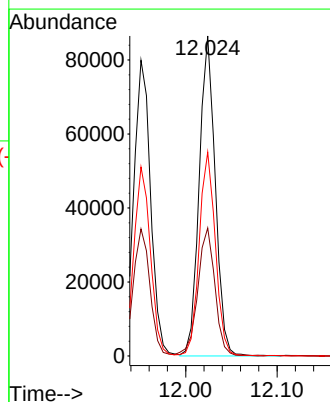
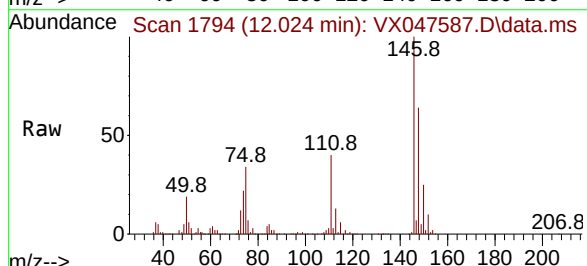
RT: 12.024 min Scan# 1794

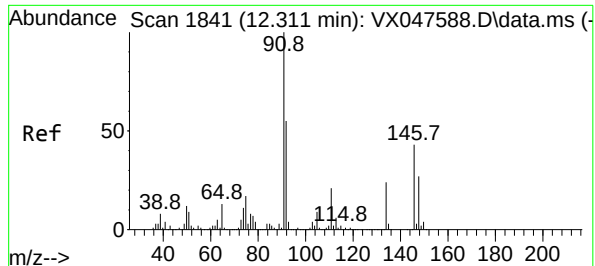
Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Tgt Ion:146	Resp: 105819
Ion Ratio	Lower Upper
146	100
111	42.6 20.8 62.4
148	64.4 31.7 95.1





#89

n-Butylbenzene

Concen: 20.937 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 17637

Ion Ratio Lower Upper

91 100

92 54.6 27.6 82.7

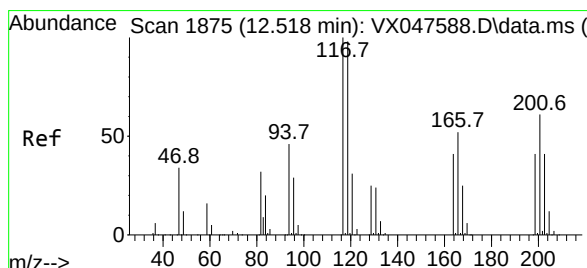
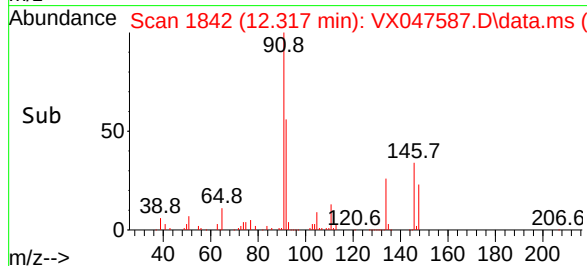
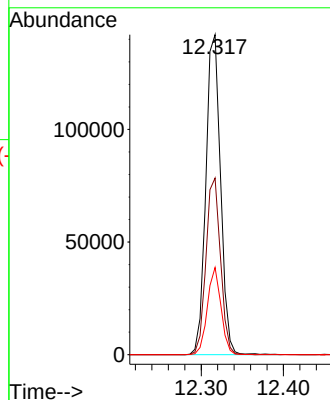
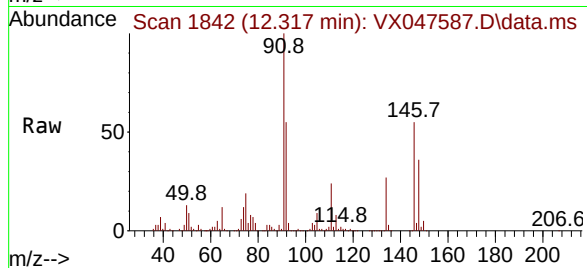
134 25.3 12.6 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#90

Hexachloroethane

Concen: 20.349 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX047587.D

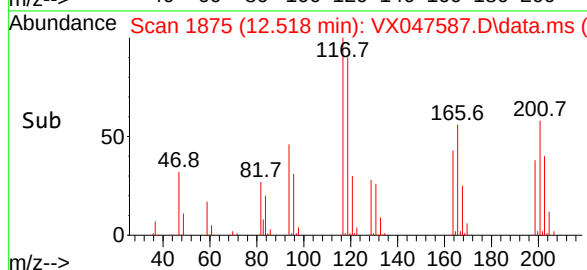
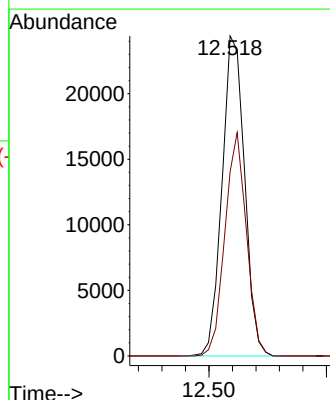
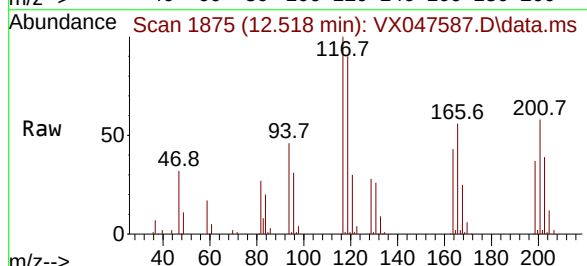
Acq: 16 Sep 2025 10:37

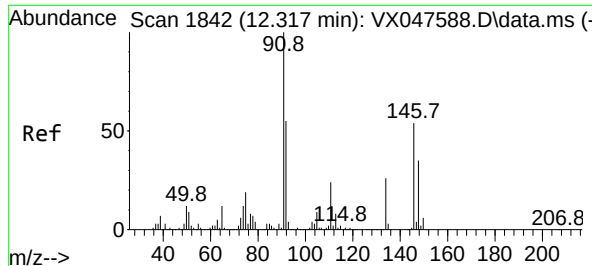
Tgt Ion:117 Resp: 32526

Ion Ratio Lower Upper

117 100

201 66.6 34.2 102.5





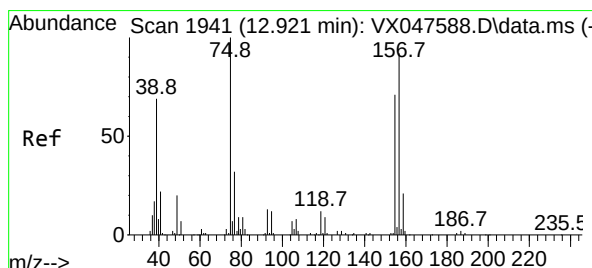
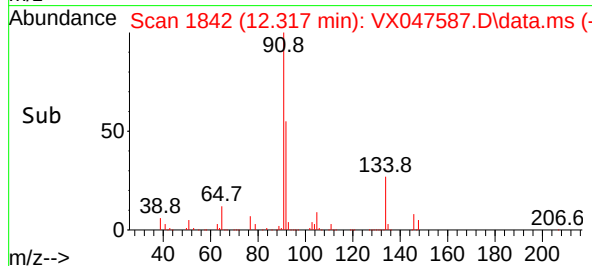
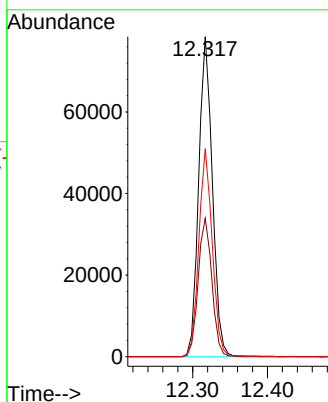
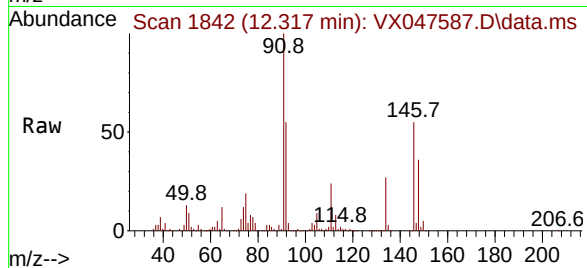
#91
1,2-Dichlorobenzene
Concen: 21.207 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 9949
Ion Ratio Lower Upper
146 100
111 43.4 22.2 66.6
148 63.9 31.8 95.4

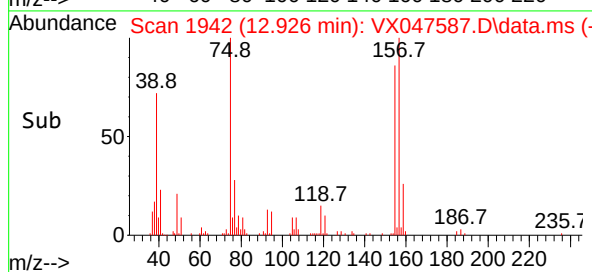
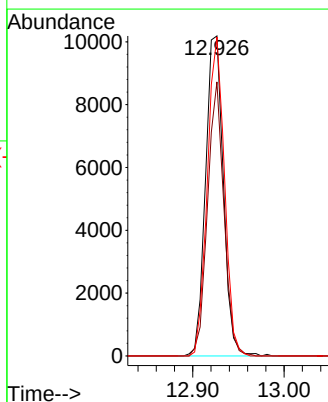
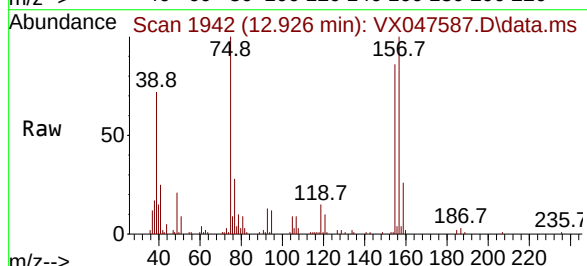
Manual Integrations
APPROVED

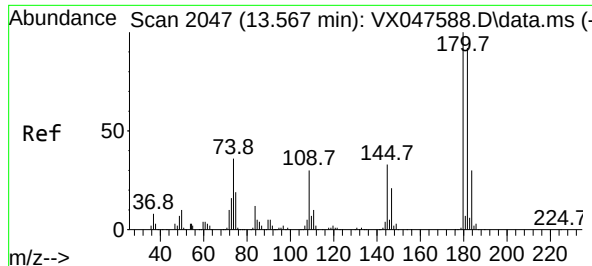
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.821 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 13729
Ion Ratio Lower Upper
75 100
155 78.8 37.7 113.1
157 95.9 49.8 149.4





#93

1,2,4-Trichlorobenzene

Concen: 20.571 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

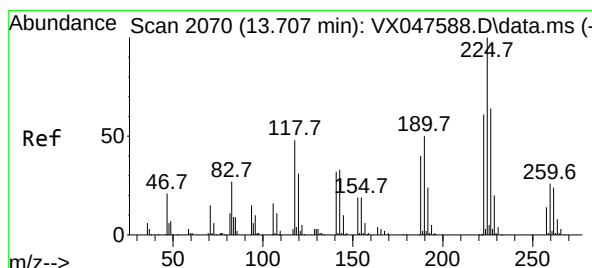
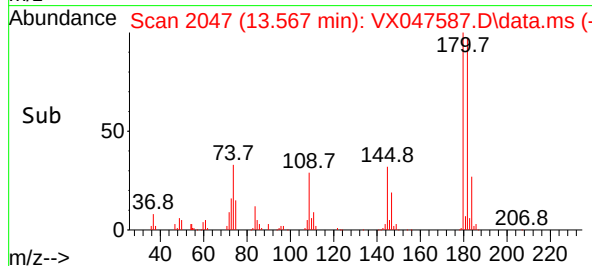
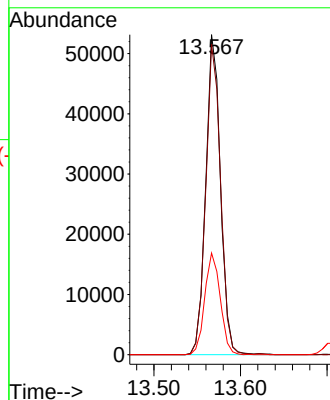
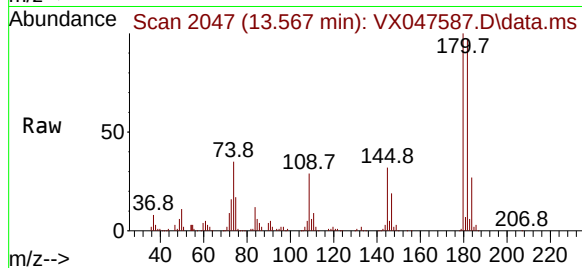
VSTDICC020

Tgt Ion:	180	Resp:	6272
Ion Ratio	Lower	Upper	
180	100		
182	97.8	46.6	139.8
145	33.4	16.4	49.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#94

Hexachlorobutadiene

Concen: 19.751 ug/l

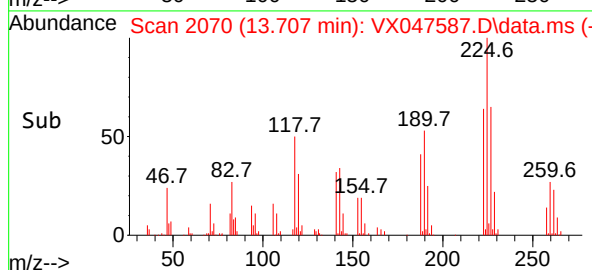
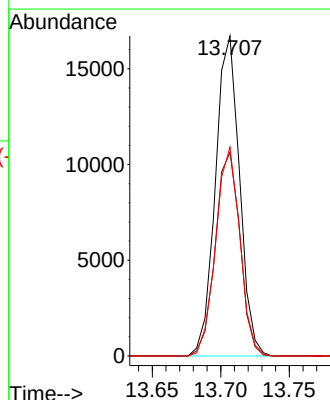
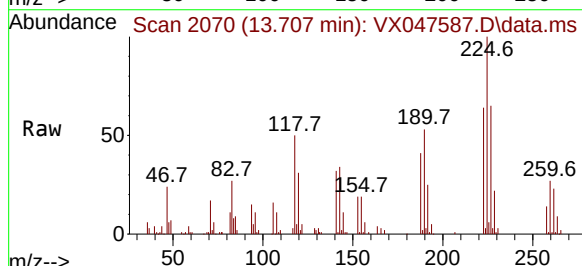
RT: 13.707 min Scan# 2070

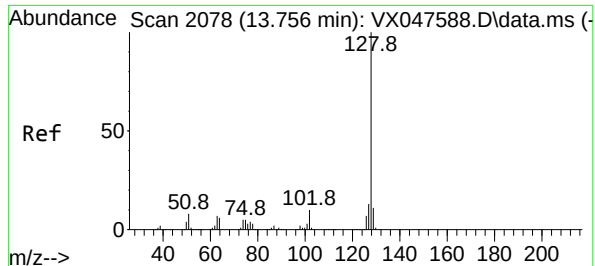
Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Tgt Ion:	225	Resp:	20456
Ion Ratio	Lower	Upper	
225	100		
223	65.0	31.7	95.1
227	65.1	32.0	96.0





#95

Naphthalene

Concen: 20.801 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

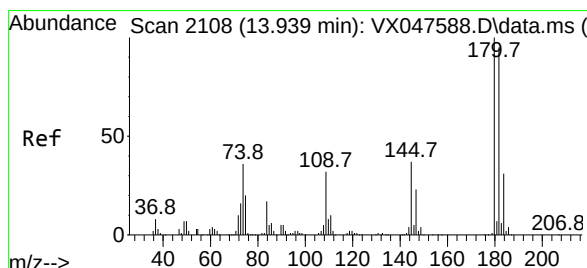
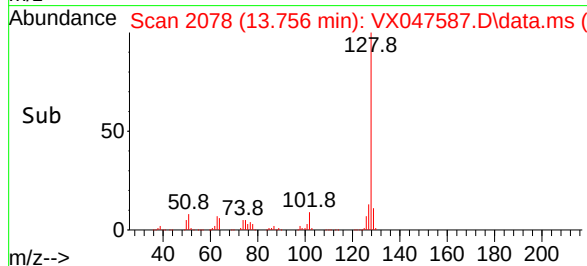
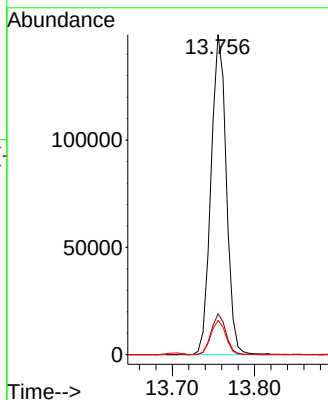
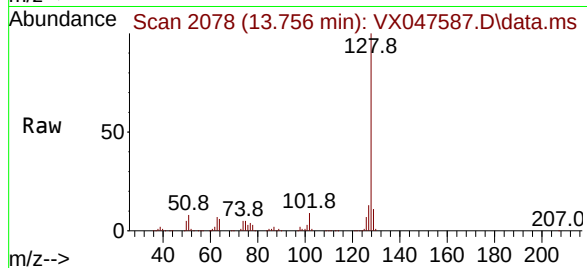
Tgt Ion:	128	Resp:	193134
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.2	15.2
129	10.5	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#96

1,2,3-Trichlorobenzene

Concen: 20.593 ug/l

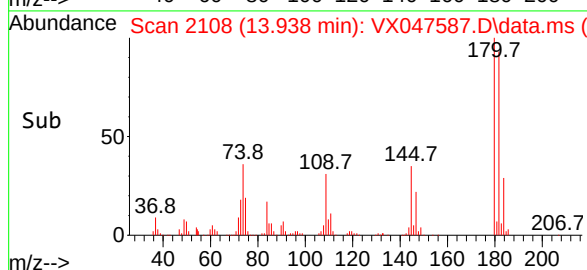
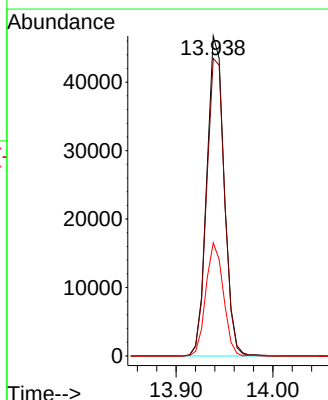
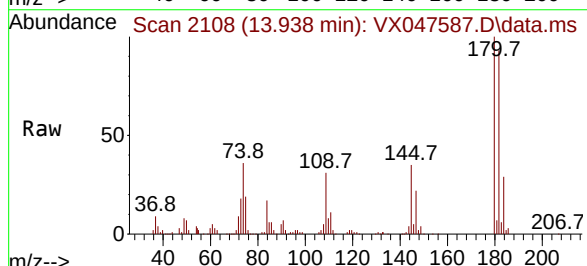
RT: 13.938 min Scan# 2108

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Tgt Ion:	180	Resp:	58409
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.6	142.8
145	35.5	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047588.D
 Acq On : 16 Sep 2025 10:58
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Sep 17 06:13:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	173407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	307383	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	133606	48.404	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.800%		
35) Dibromofluoromethane	5.373	113	101627	49.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.600%		
50) Toluene-d8	8.635	98	352578	49.428	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.860%		
62) 4-Bromofluorobenzene	11.061	95	131217	48.471	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	86824	48.352	ug/l	100
3) Chloromethane	1.301	50	114682	48.594	ug/l	100
4) Vinyl Chloride	1.380	62	114666	49.635	ug/l	100
5) Bromomethane	1.618	94	73561	50.216	ug/l	100
6) Chloroethane	1.697	64	76736	49.698	ug/l	100
7) Trichlorofluoromethane	1.898	101	172561	50.307	ug/l	100
8) Diethyl Ether	2.136	74	70874	50.510	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	101178	50.445	ug/l	100
10) Methyl Iodide	2.459	142	158046	50.525	ug/l	100
11) Tert butyl alcohol	2.941	59	77232	251.232	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104724	50.831	ug/l	100
13) Acrolein	2.239	56	70721	249.645	ug/l	100
14) Allyl chloride	2.666	41	210001	49.396	ug/l	100
15) Acrylonitrile	3.063	53	300642	264.027	ug/l	100
16) Acetone	2.374	43	275065	229.193	ug/l	100
17) Carbon Disulfide	2.520	76	271480	48.133	ug/l	100
18) Methyl Acetate	2.703	43	151968	56.897	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	389607	51.804	ug/l	100
20) Methylene Chloride	2.788	84	126506	49.798	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	112553	50.743	ug/l	100
22) Diisopropyl ether	3.758	45	429524	52.131	ug/l	100
23) Vinyl Acetate	3.715	43	1726735	261.852	ug/l	100
24) 1,1-Dichloroethane	3.605	63	224824	51.338	ug/l	100
25) 2-Butanone	4.538	43	380335	254.060	ug/l	100
26) 2,2-Dichloropropane	4.465	77	185247	50.888	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	140105	51.576	ug/l	100
28) Bromochloromethane	4.891	49	99991	52.301	ug/l	100
29) Tetrahydrofuran	4.989	42	238677	265.026	ug/l	100
30) Chloroform	5.080	83	229430	51.844	ug/l	100
31) Cyclohexane	5.458	56	178546	48.952	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	195407	52.058	ug/l	100
36) 1,1-Dichloropropene	5.684	75	149800	49.729	ug/l	100
37) Ethyl Acetate	4.702	43	163482	50.687	ug/l	100
38) Carbon Tetrachloride	5.672	117	165730	50.637	ug/l	100
39) Methylcyclohexane	7.367	83	173610	50.773	ug/l	100
40) Benzene	6.025	78	468136	51.167	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047588.D
 Acq On : 16 Sep 2025 10:58
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Sep 17 06:13:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	87761	52.707	ug/l	100
42) 1,2-Dichloroethane	6.074	62	179037	51.431	ug/l	100
43) Isopropyl Acetate	6.324	43	275572	52.096	ug/l	100
44) Trichloroethene	7.111	130	113832	51.463	ug/l	100
45) 1,2-Dichloropropane	7.415	63	122109	52.122	ug/l	100
46) Dibromomethane	7.568	93	88505	51.914	ug/l	100
47) Bromodichloromethane	7.806	83	186540	53.025	ug/l	100
48) Methyl methacrylate	7.678	41	138167	52.438	ug/l	100
49) 1,4-Dioxane	7.647	88	29496	1107.698	ug/l	100
51) 4-Methyl-2-Pentanone	8.562	43	784978	267.650	ug/l	100
52) Toluene	8.702	92	288853	51.244	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	190282	53.027	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	200859	52.369	ug/l	100
55) 1,1,2-Trichloroethane	9.135	97	112837	51.915	ug/l	100
56) Ethyl methacrylate	9.104	69	184087	53.930	ug/l	100
57) 1,3-Dichloropropane	9.293	76	195989	52.492	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	418707	256.309	ug/l	100
59) 2-Hexanone	9.415	43	553313	262.683	ug/l	100
60) Dibromochloromethane	9.506	129	133737	53.401	ug/l	100
61) 1,2-Dibromoethane	9.592	107	116462	52.607	ug/l	100
64) Tetrachloroethene	9.257	164	88149	50.074	ug/l	100
65) Chlorobenzene	10.061	112	317982	51.833	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	111849	52.835	ug/l	100
67) Ethyl Benzene	10.177	91	550610	52.017	ug/l	100
68) m/p-Xylenes	10.287	106	412932	104.809	ug/l	100
69) o-Xylene	10.622	106	202291	53.084	ug/l	100
70) Styrene	10.640	104	350654	52.515	ug/l	100
71) Bromoform	10.781	173	84485	53.447	ug/l #	100
73) Isopropylbenzene	10.945	105	516891	53.227	ug/l	100
74) N-amyl acetate	10.829	43	237846	53.710	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	156454	53.251	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	144074m	54.322	ug/l	
77) Bromobenzene	11.183	156	126174	52.754	ug/l	100
78) n-propylbenzene	11.287	91	612035	53.315	ug/l	100
79) 2-Chlorotoluene	11.348	91	372397	52.965	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	426989	53.518	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	52927	52.190	ug/l	100
82) 4-Chlorotoluene	11.439	91	438502	52.806	ug/l	100
83) tert-Butylbenzene	11.695	119	429107	52.539	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	427073	52.798	ug/l	100
85) sec-Butylbenzene	11.872	105	514442	53.029	ug/l	100
86) p-Isopropyltoluene	11.994	119	436704	53.172	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	232038	52.232	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	233975	51.316	ug/l	100
89) n-Butylbenzene	12.311	91	400997	52.766	ug/l	100
90) Hexachloroethane	12.518	117	75800	52.567	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	222993	52.688	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	32451	54.554	ug/l	100
93) 1,2,4-Trichlorobenzene	13.567	180	147670	53.685	ug/l	100
94) Hexachlorobutadiene	13.707	225	49061	52.510	ug/l	100
95) Naphthalene	13.756	128	452013	53.966	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	138978	54.316	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

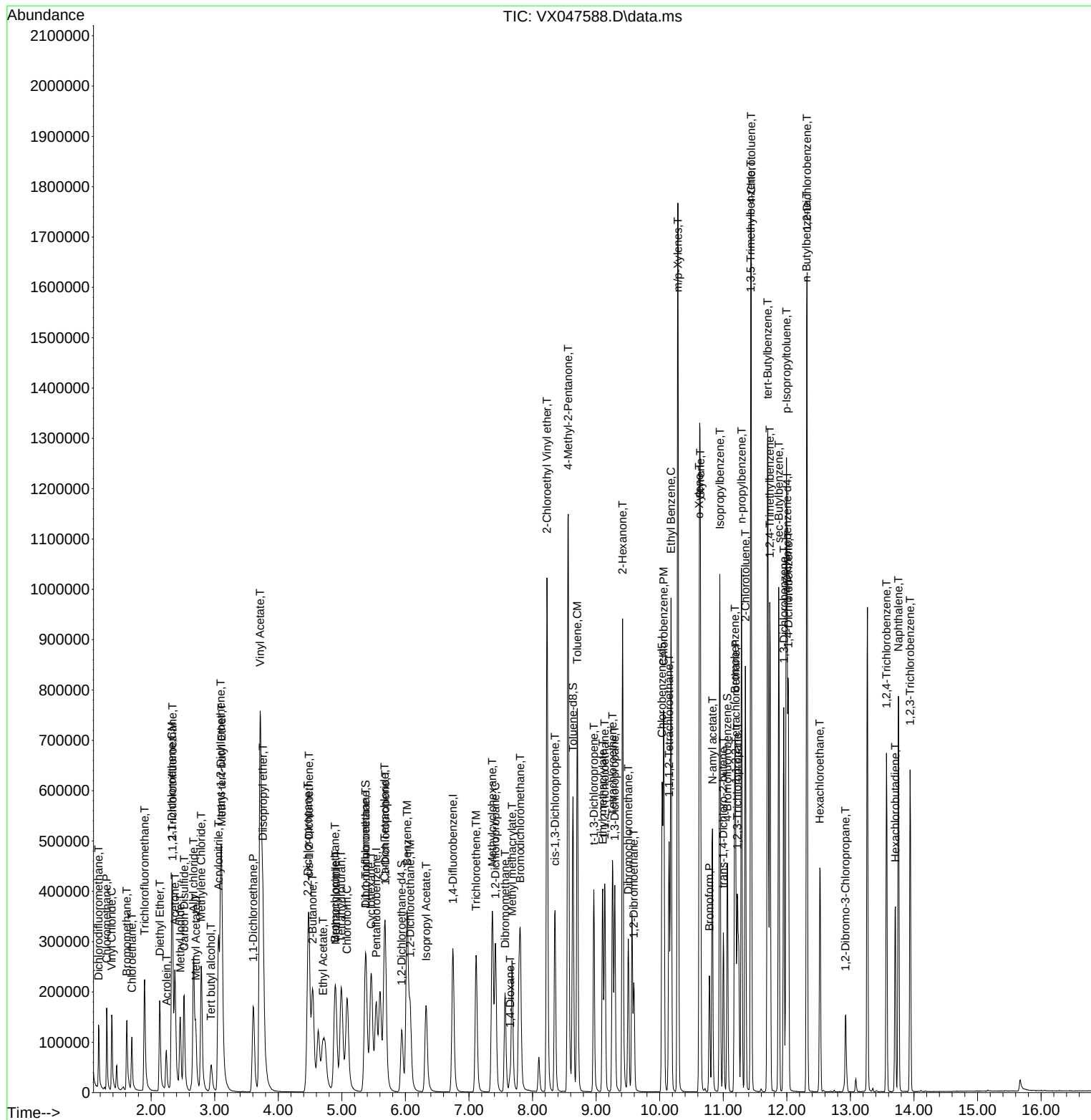
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

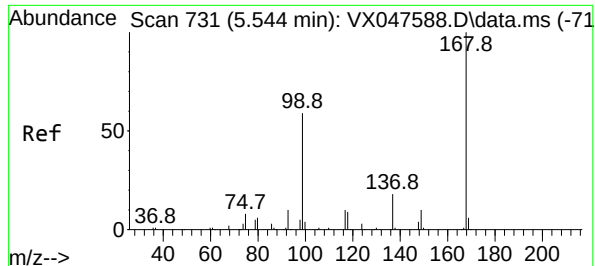
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025





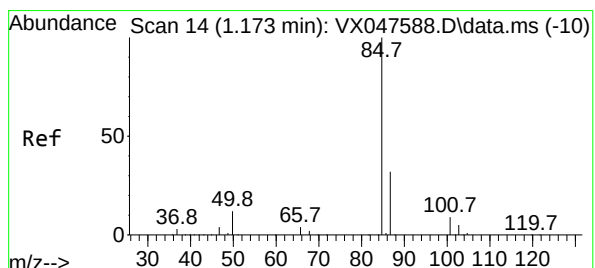
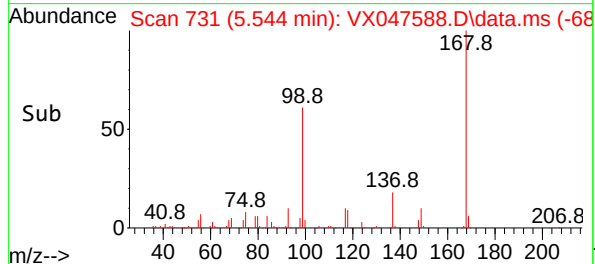
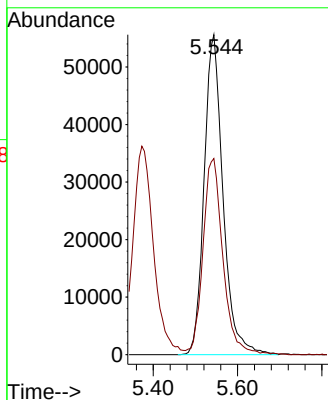
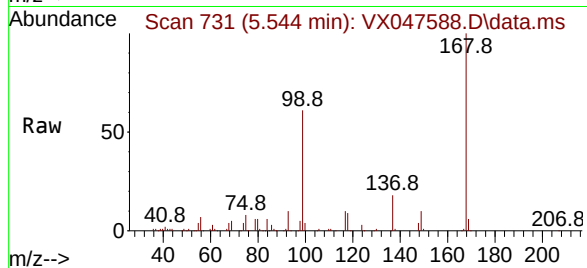
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 17340
Ion Ratio Lower Upper
168 100
99 61.0 48.8 73.2

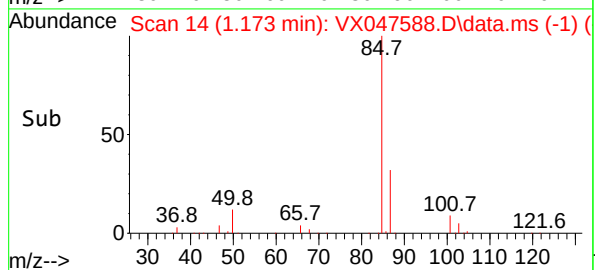
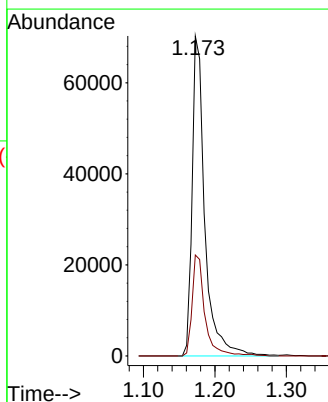
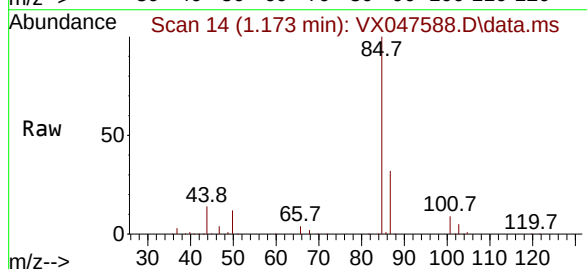
Manual Integrations
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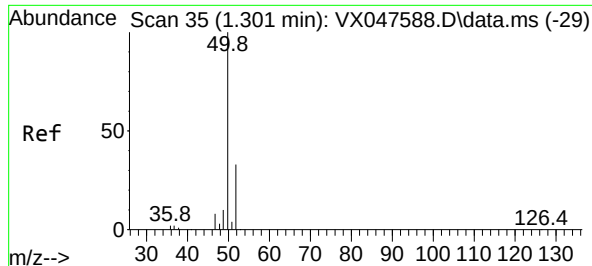
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#2
Dichlorodifluoromethane
Concen: 48.352 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 85 Resp: 86824
Ion Ratio Lower Upper
85 100
87 31.5 15.8 47.3





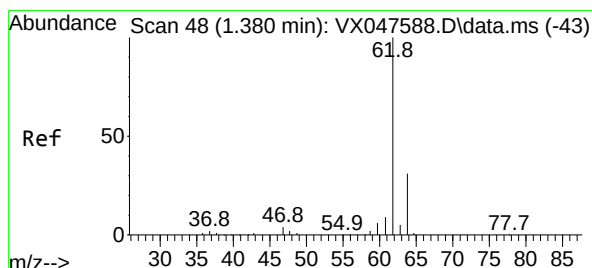
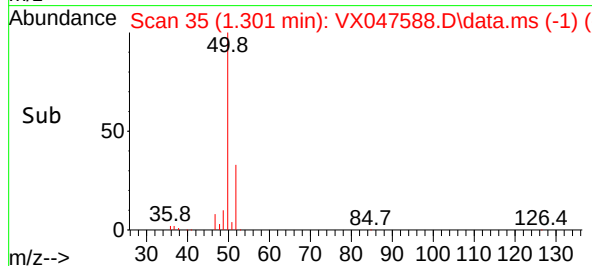
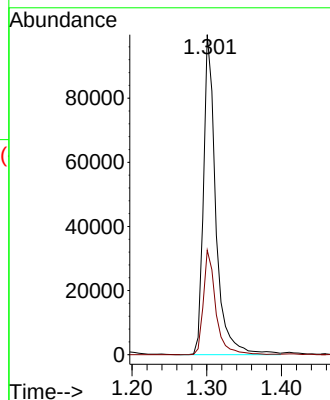
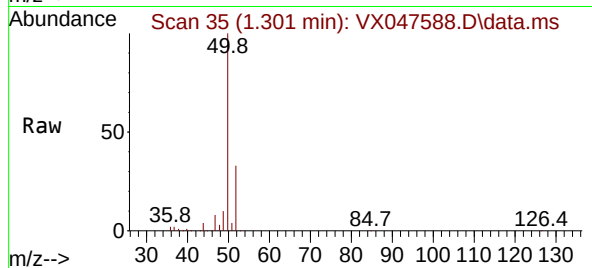
#3
Chloromethane
Concen: 48.594 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 114682
Ion Ratio Lower Upper
50 100
52 32.6 26.1 39.1

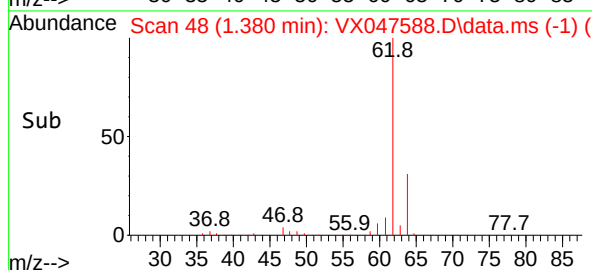
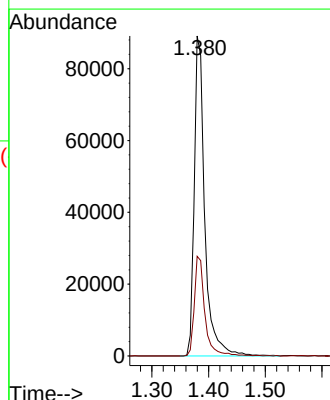
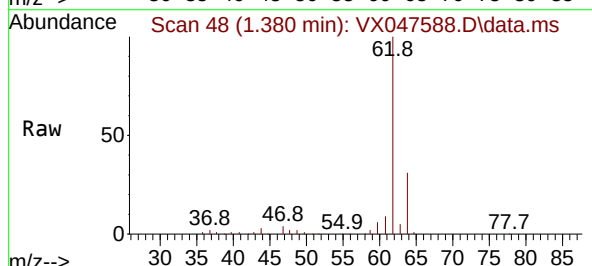
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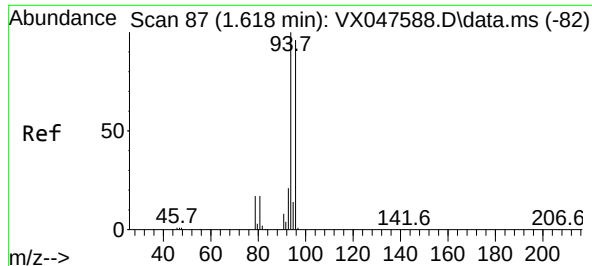
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#4
Vinyl Chloride
Concen: 49.635 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 114666
Ion Ratio Lower Upper
62 100
64 31.1 24.9 37.3





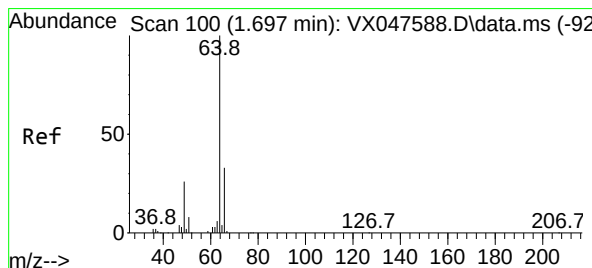
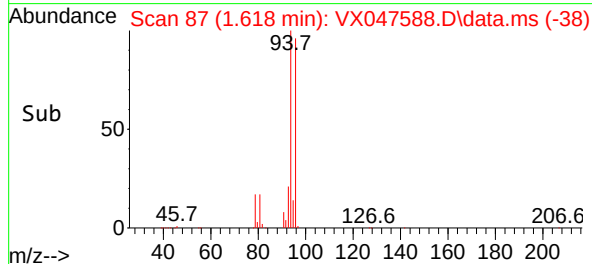
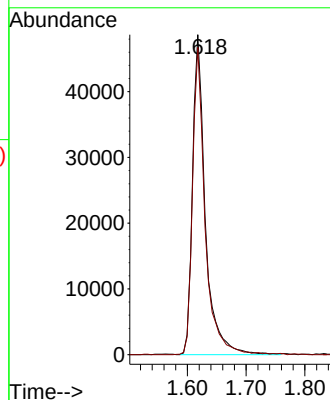
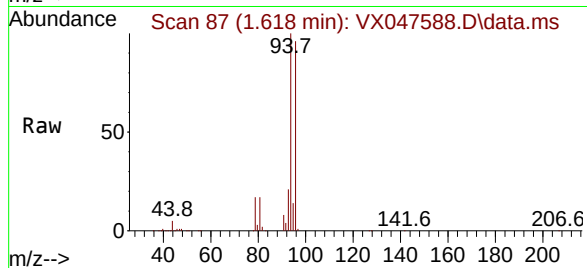
#5
Bromomethane
Concen: 50.216 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 7356
Ion Ratio Lower Upper
94 100
96 95.8 76.6 115.0

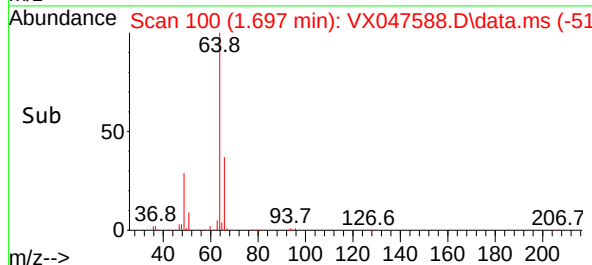
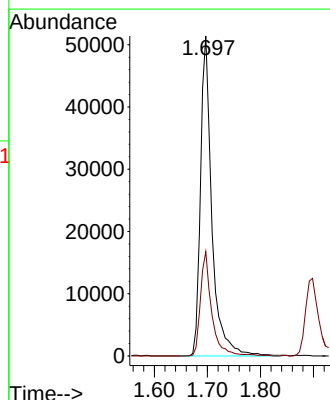
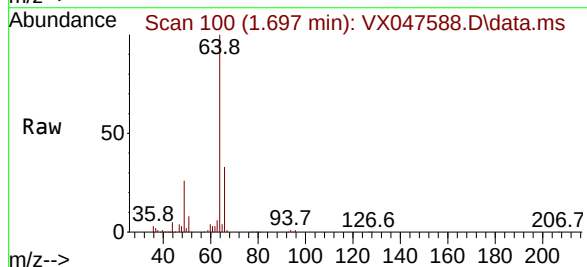
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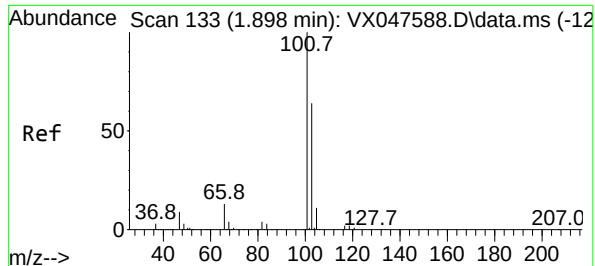
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#6
Chloroethane
Concen: 49.698 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 64 Resp: 76736
Ion Ratio Lower Upper
64 100
66 32.6 26.1 39.1





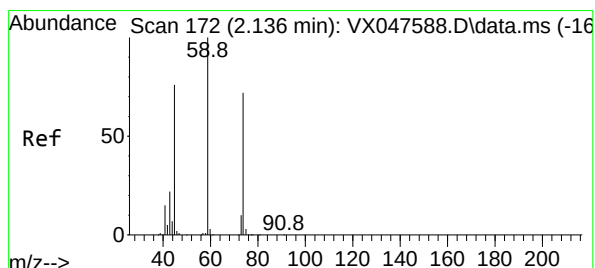
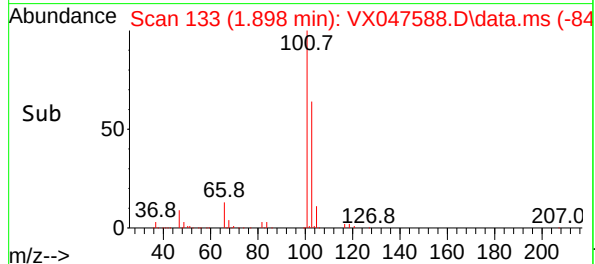
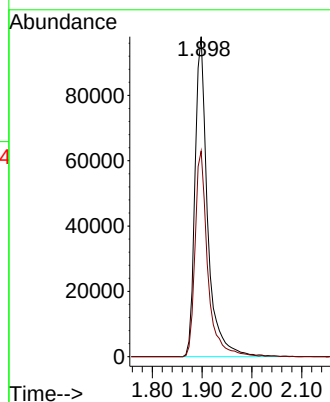
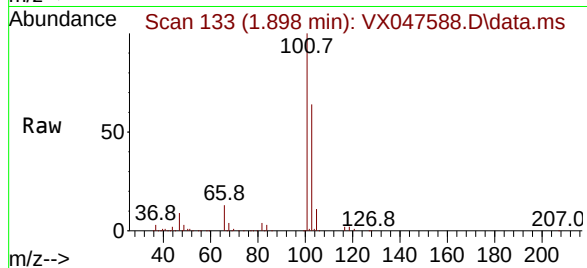
#7
Trichlorofluoromethane
Concen: 50.307 ug/l
RT: 1.898 min Scan# 133
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 17256
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2

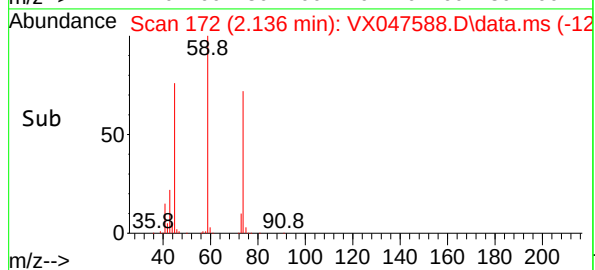
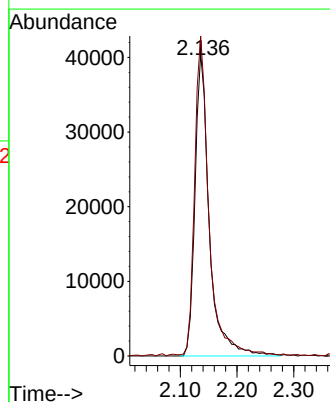
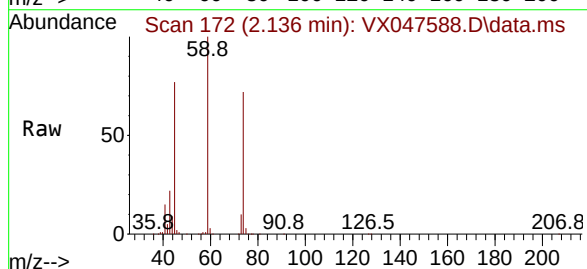
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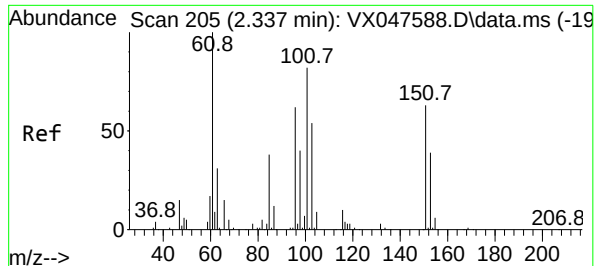
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#8
Diethyl Ether
Concen: 50.510 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 74 Resp: 70874
Ion Ratio Lower Upper
74 100
45 104.5 52.3 156.8





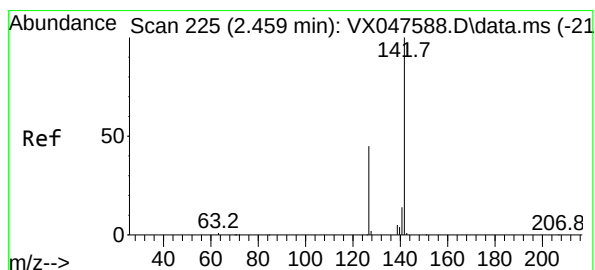
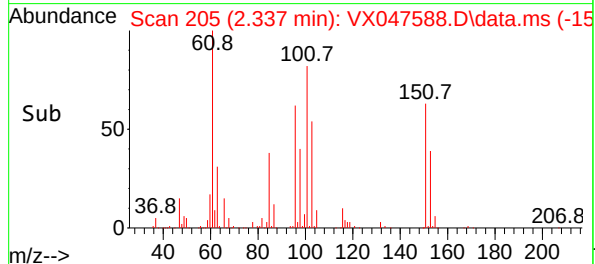
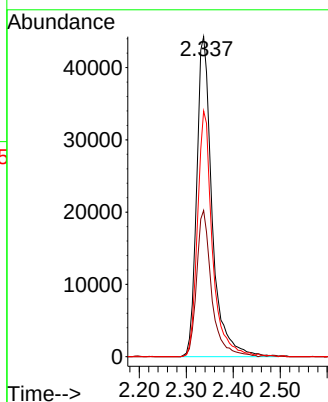
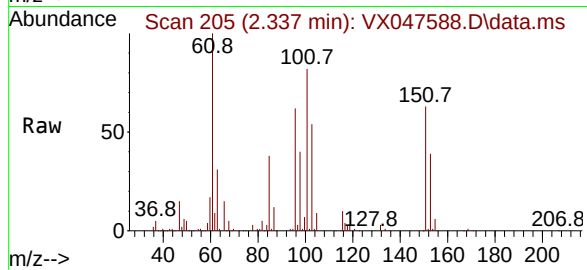
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.445 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 101178
Ion Ratio Lower Upper
101 100
85 44.4 35.5 53.3
151 74.2 59.4 89.0

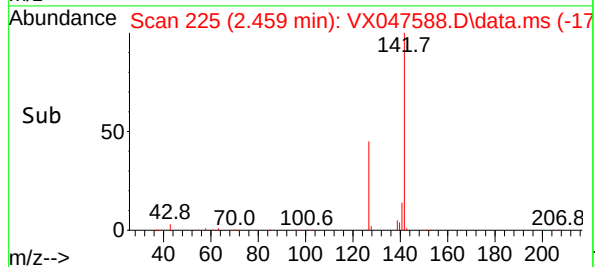
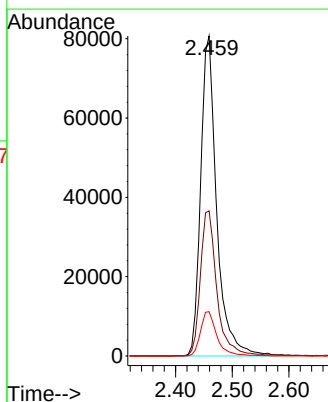
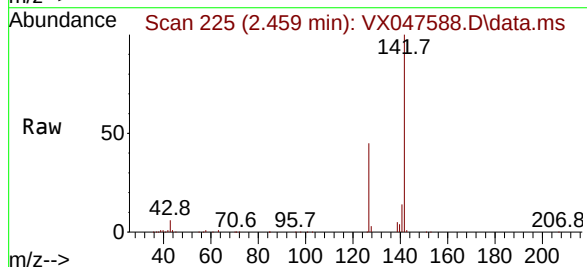
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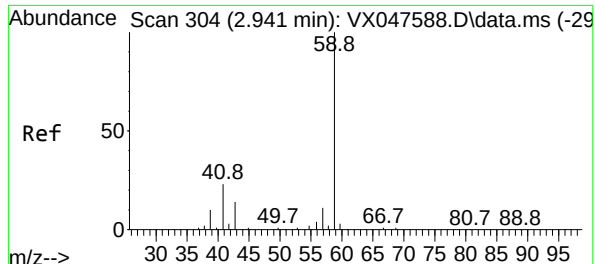
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#10
Methyl Iodide
Concen: 50.525 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:142 Resp: 158046
Ion Ratio Lower Upper
142 100
127 46.5 37.2 55.8
141 14.2 11.4 17.0





#11

Tert butyl alcohol

Concen: 251.232 ug/l

RT: 2.941 min Scan# 304

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 7723

Ion Ratio Lower Upper

59 100

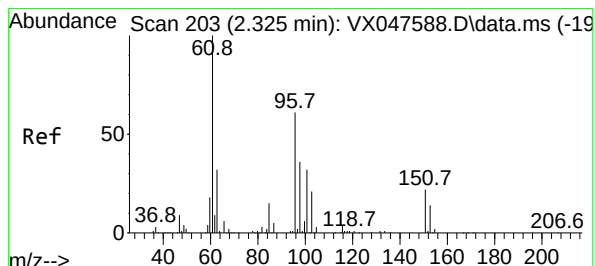
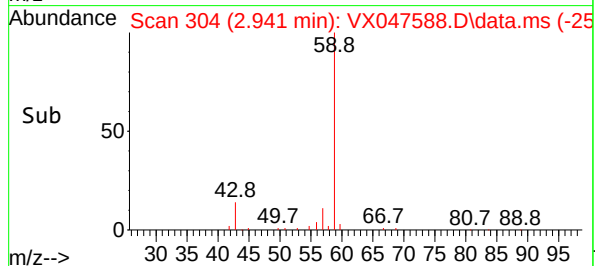
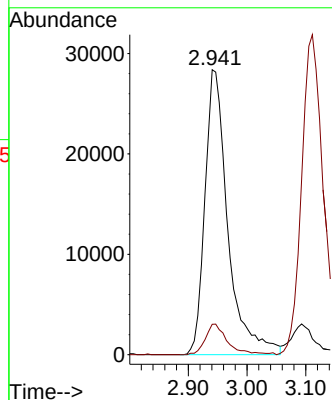
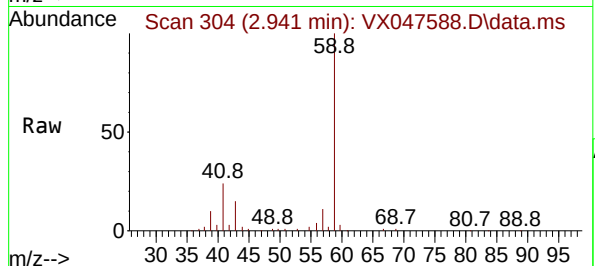
57 10.4 8.3 12.5

Manual Integrations

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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#12

1,1-Dichloroethene

Concen: 50.831 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

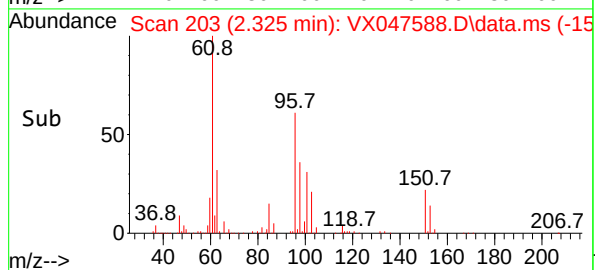
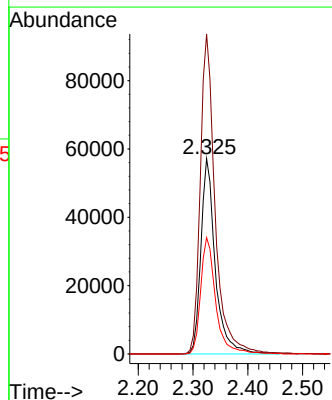
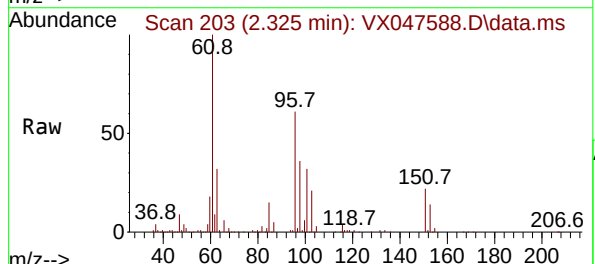
Tgt Ion: 96 Resp: 104724

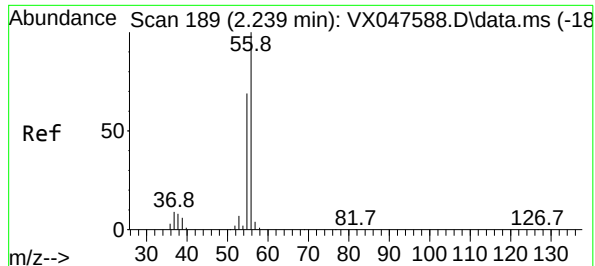
Ion Ratio Lower Upper

96 100

61 163.8 131.0 196.6

98 59.6 47.7 71.5





#13

Acrolein

Concen: 249.645 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 7072

Ion Ratio Lower Upper

56 100

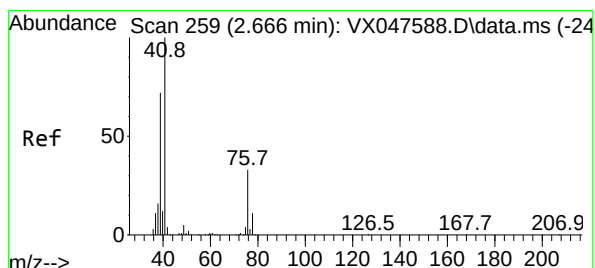
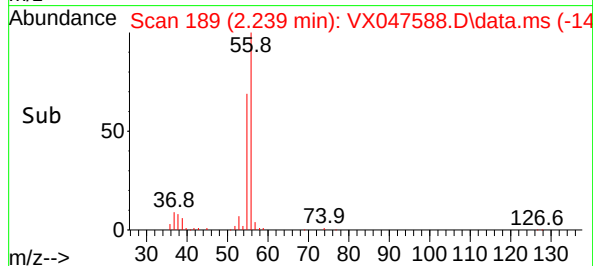
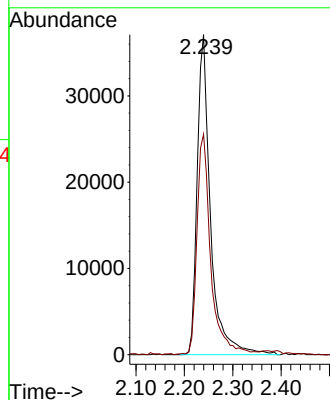
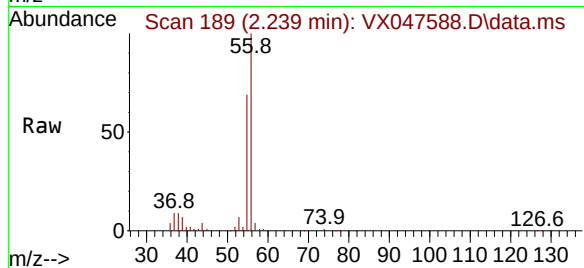
55 71.5 57.2 85.8

Manual Integrations

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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#14

Allyl chloride

Concen: 49.396 ug/l

RT: 2.666 min Scan# 259

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

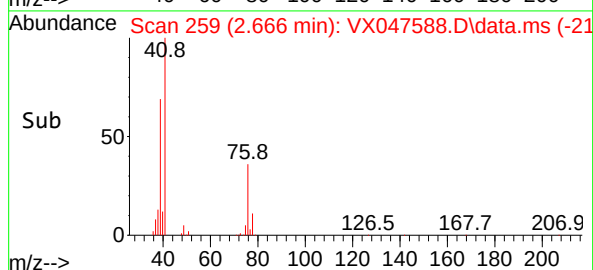
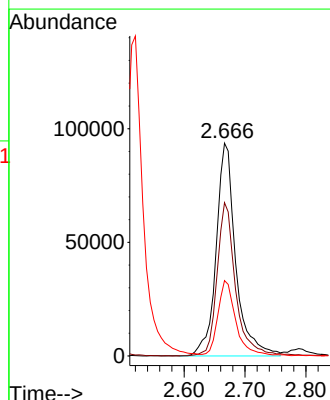
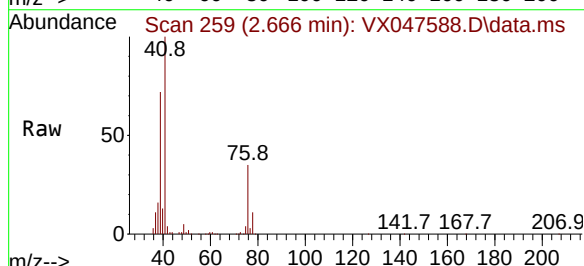
Tgt Ion: 41 Resp: 210001

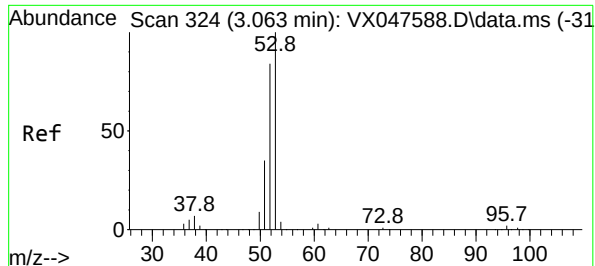
Ion Ratio Lower Upper

41 100

39 68.4 54.7 82.1

76 32.1 25.7 38.5





#15

Acrylonitrile

Concen: 264.027 ug/l

RT: 3.063 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 30064

Ion Ratio Lower Upper

53 100

52 83.0 66.4 99.6

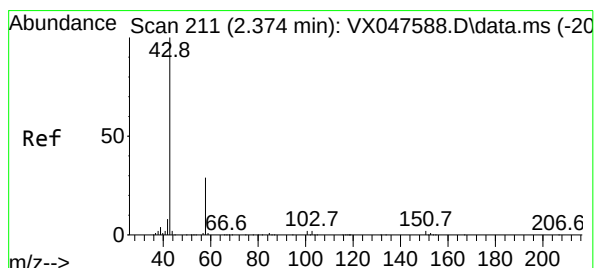
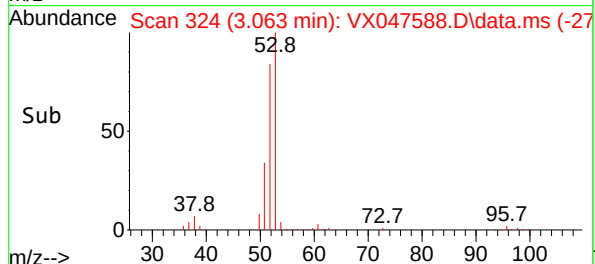
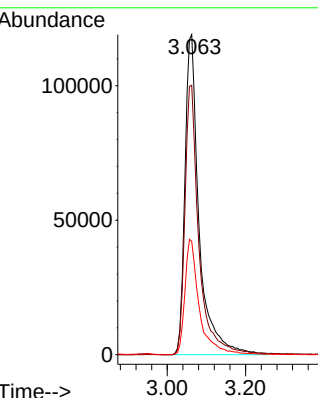
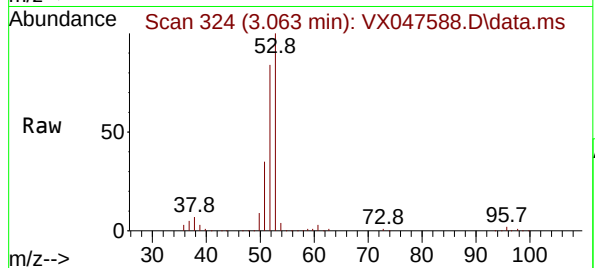
51 36.9 29.5 44.3

Manual Integrations

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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#16

Acetone

Concen: 229.193 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX047588.D

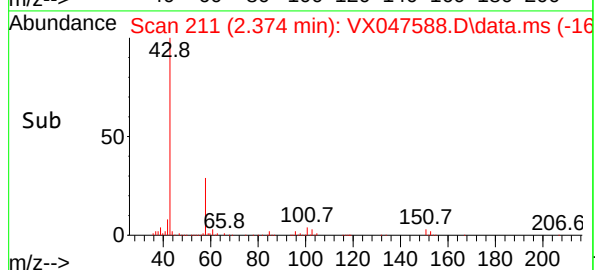
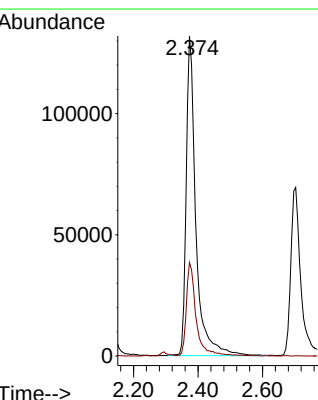
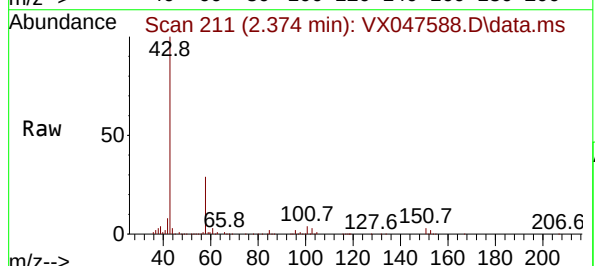
Acq: 16 Sep 2025 10:58

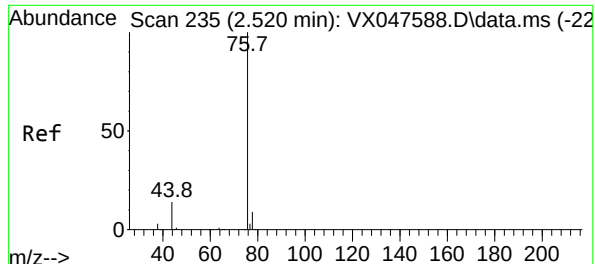
Tgt Ion: 43 Resp: 275065

Ion Ratio Lower Upper

43 100

58 29.2 23.4 35.0





#17

Carbon Disulfide

Concen: 48.133 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 271480

Ion Ratio Lower Upper

76 100

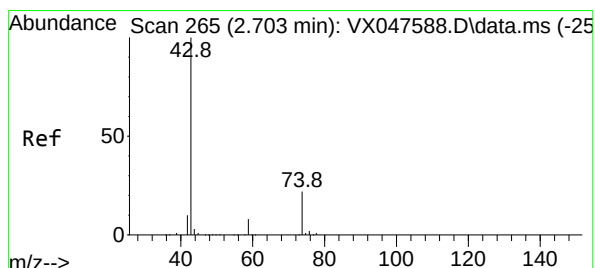
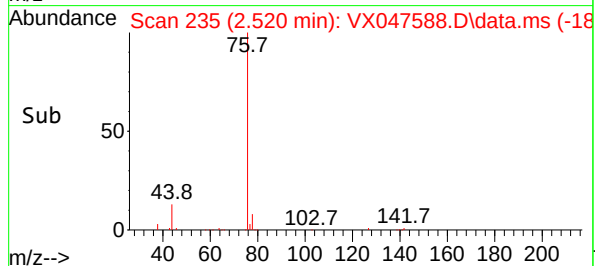
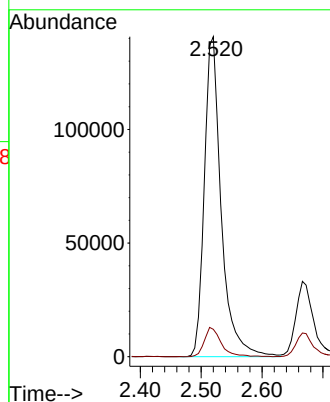
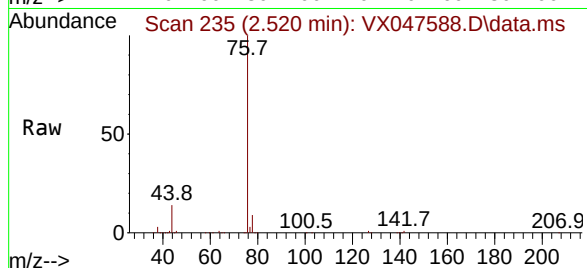
78 8.5 6.8 10.2

Manual Integrations

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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#18

Methyl Acetate

Concen: 56.897 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX047588.D

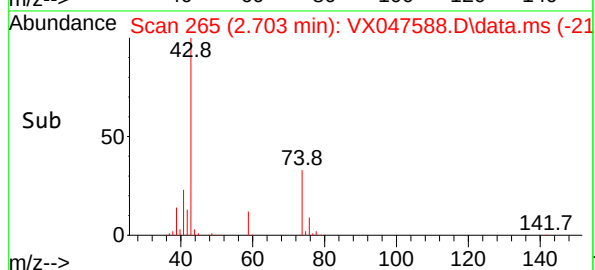
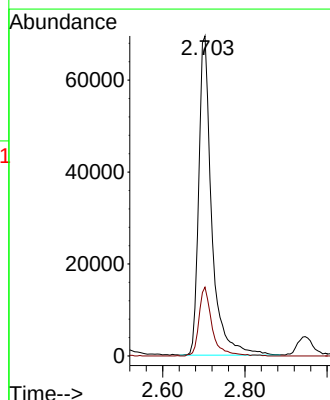
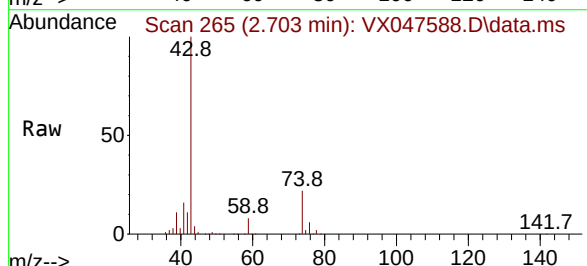
Acq: 16 Sep 2025 10:58

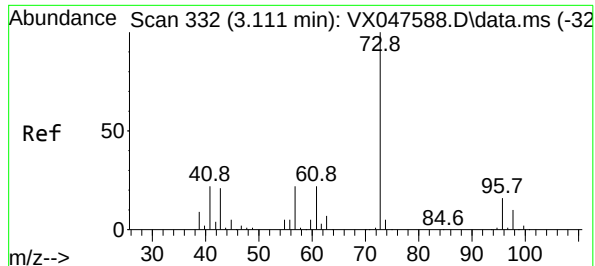
Tgt Ion: 43 Resp: 151968

Ion Ratio Lower Upper

43 100

74 21.8 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 51.804 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 38960

Ion Ratio Lower Upper

73 100

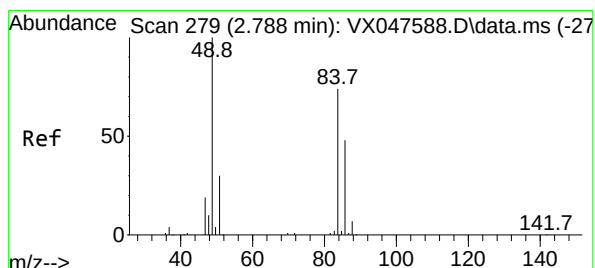
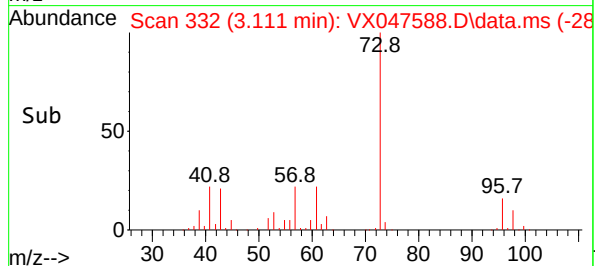
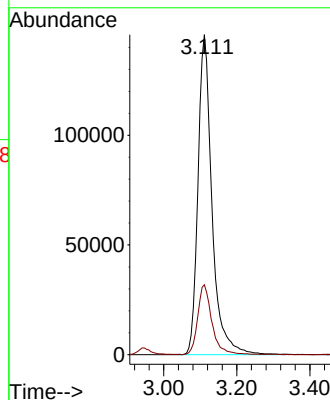
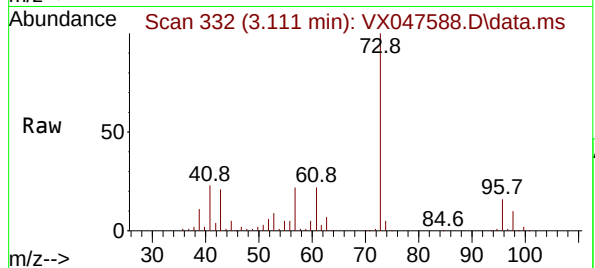
57 21.8 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#20

Methylene Chloride

Concen: 49.798 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Tgt Ion: 84 Resp: 126506

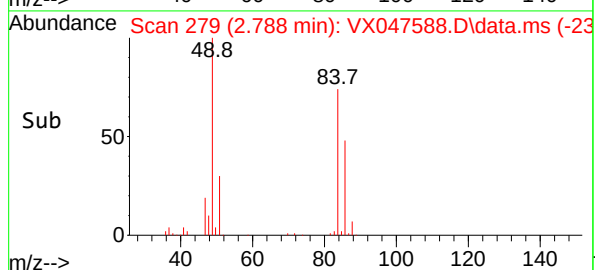
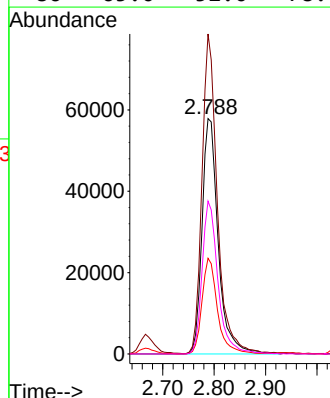
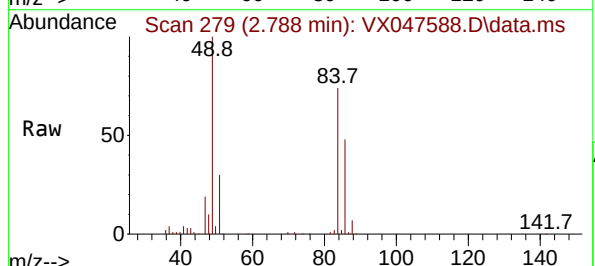
Ion Ratio Lower Upper

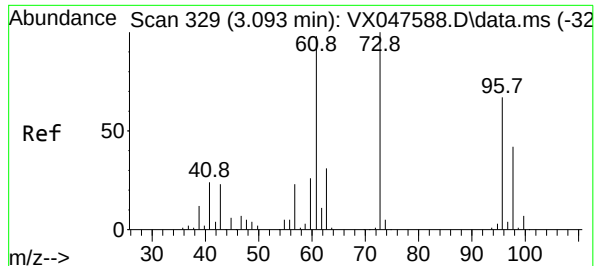
84 100

49 135.7 108.6 162.8

51 40.7 32.6 48.8

86 65.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 50.743 ug/l

RT: 3.093 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 11255

Ion Ratio Lower Upper

96 100

61 145.2 116.2 174.2

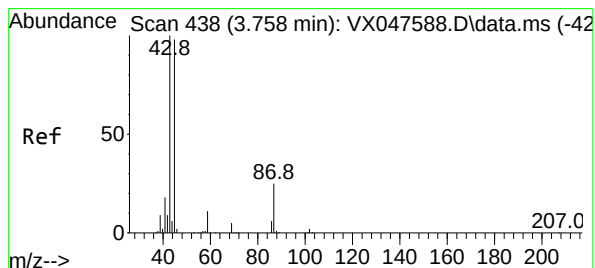
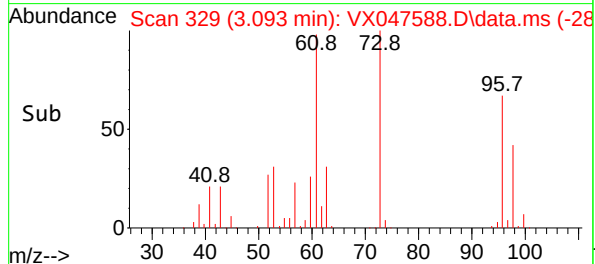
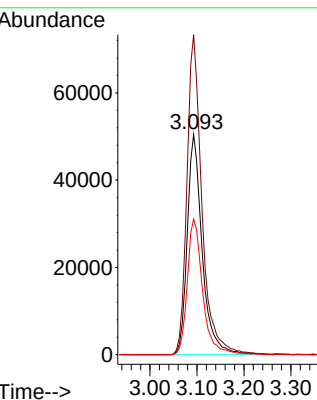
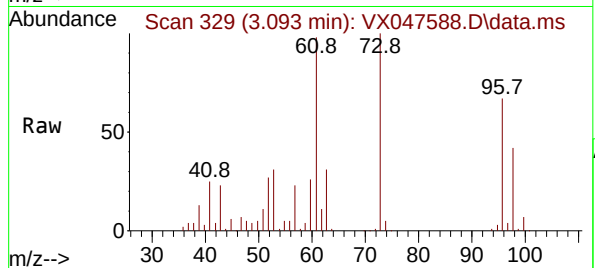
98 61.6 49.3 73.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#22

Diisopropyl ether

Concen: 52.131 ug/l

RT: 3.758 min Scan# 438

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Tgt Ion: 45 Resp: 429524

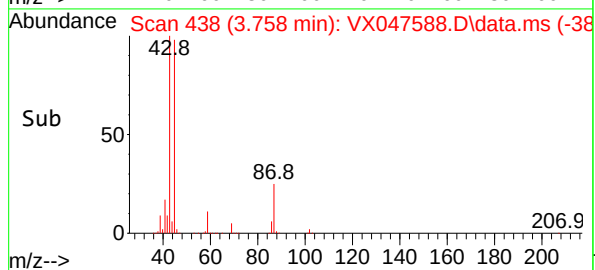
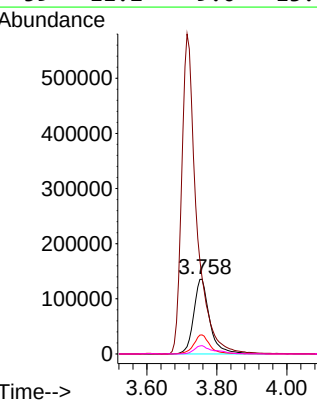
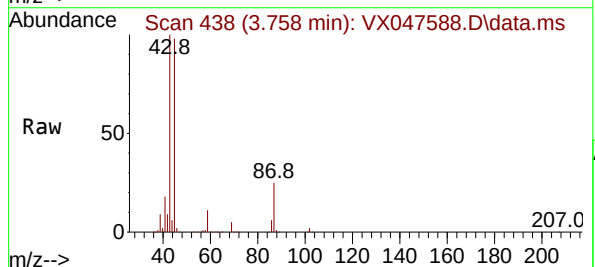
Ion Ratio Lower Upper

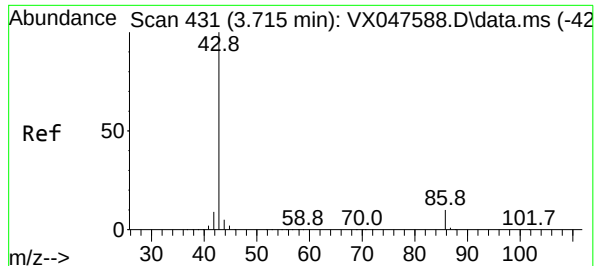
45 100

43 101.2 81.0 121.4

87 25.4 20.3 30.5

59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 261.852 ug/l

RT: 3.715 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 172673

Ion Ratio Lower Upper

43 100

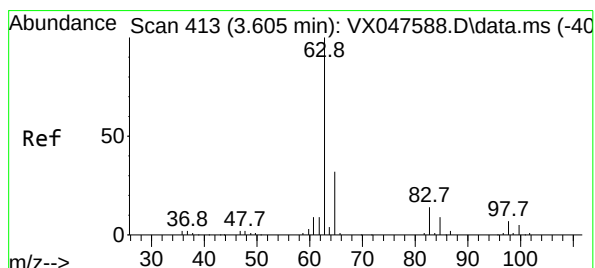
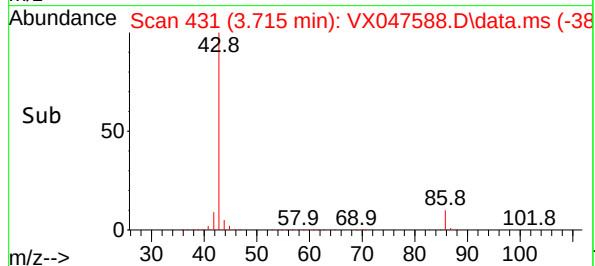
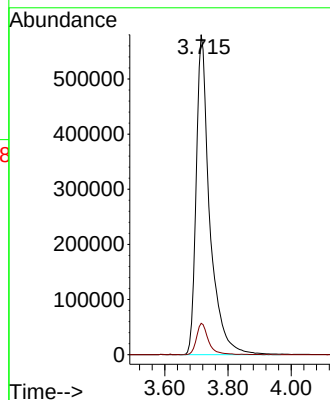
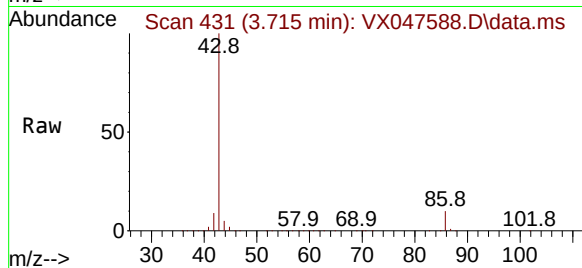
86 9.8 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#24

1,1-Dichloroethane

Concen: 51.338 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

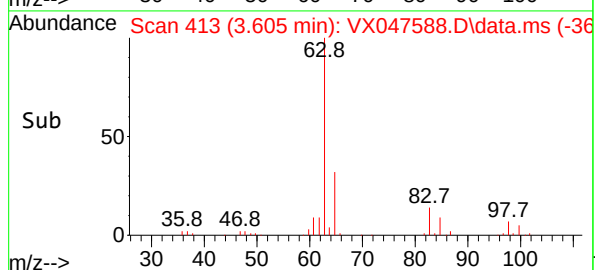
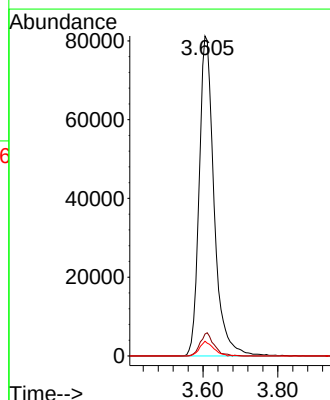
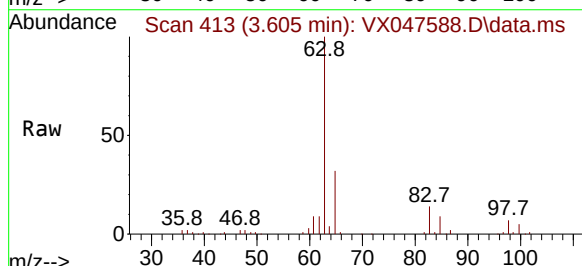
Tgt Ion: 63 Resp: 224824

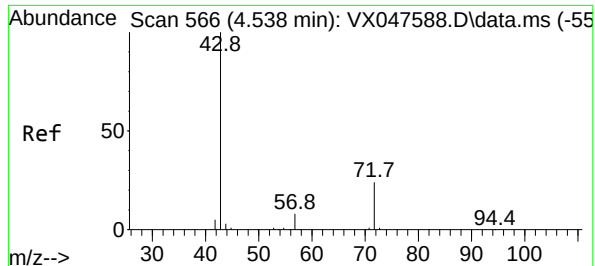
Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

100 4.6 2.3 6.9





#25

2-Butanone

Concen: 254.060 ug/l

RT: 4.538 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 38033

Ion Ratio Lower Upper

43 100

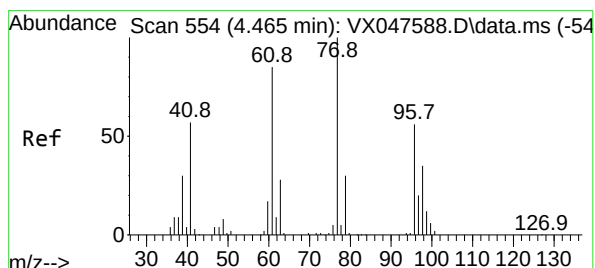
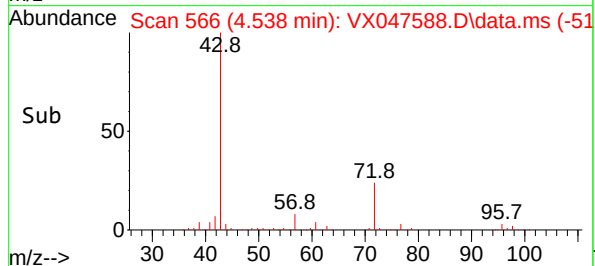
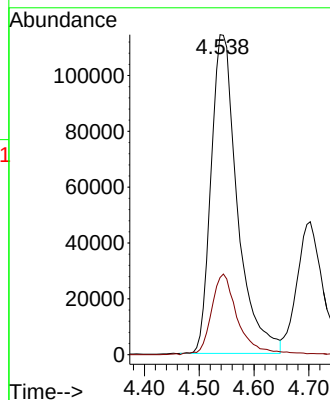
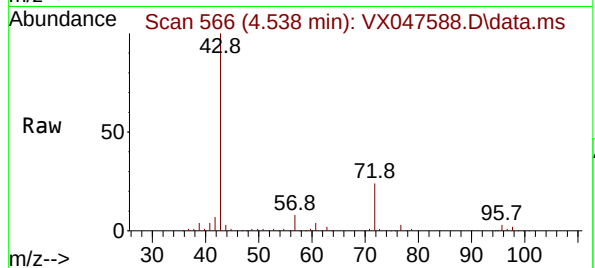
72 25.1 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#26

2,2-Dichloropropane

Concen: 50.888 ug/l

RT: 4.465 min Scan# 554

Delta R.T. 0.000 min

Lab File: VX047588.D

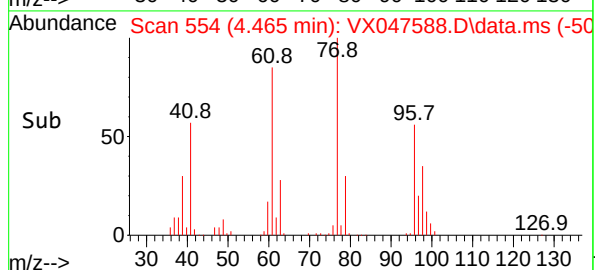
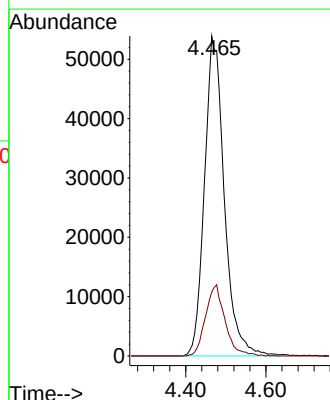
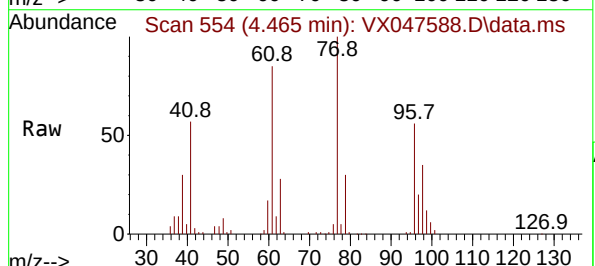
Acq: 16 Sep 2025 10:58

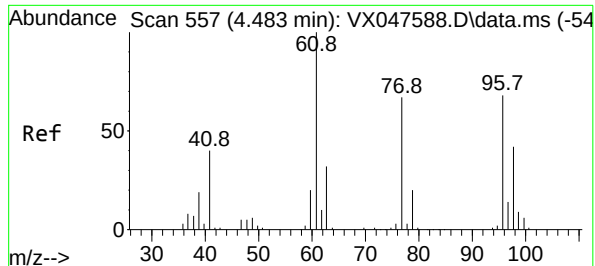
Tgt Ion: 77 Resp: 185247

Ion Ratio Lower Upper

77 100

97 21.8 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 51.576 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 14010

Ion Ratio Lower Upper

96 100

61 151.6 0.0 303.2

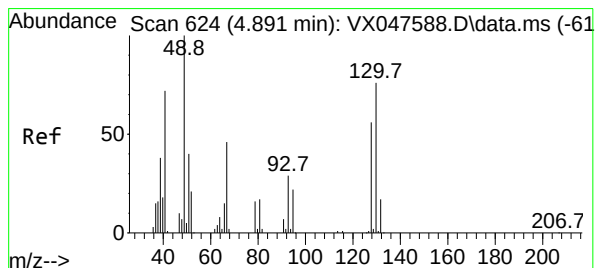
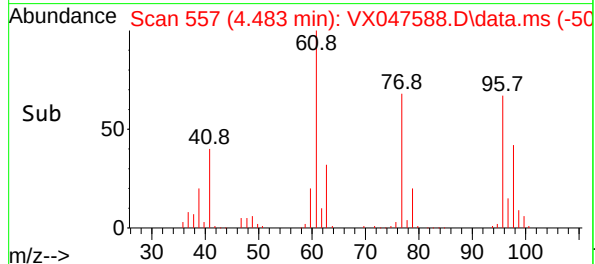
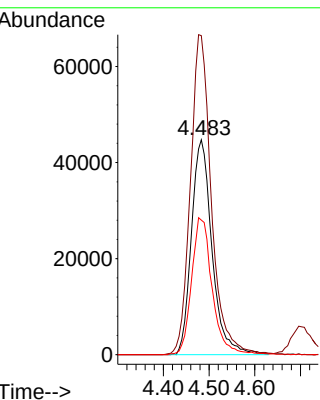
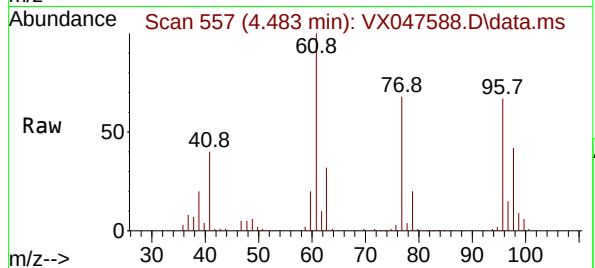
98 63.9 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#28

Bromochloromethane

Concen: 52.301 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

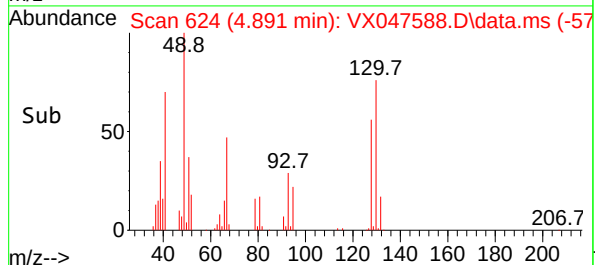
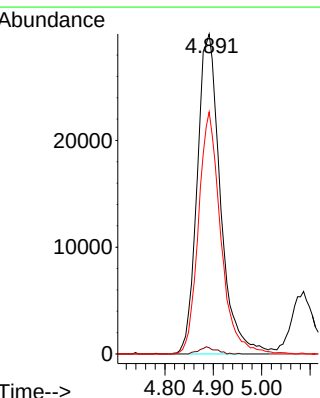
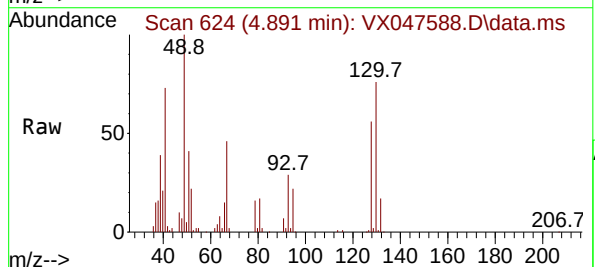
Tgt Ion: 49 Resp: 99991

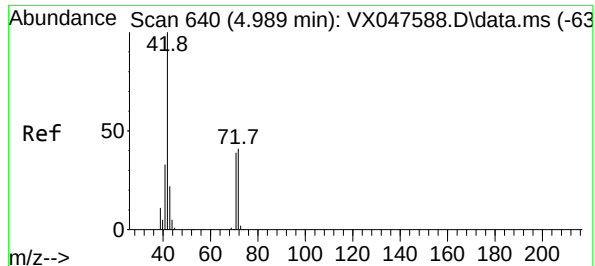
Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.2

130 72.3 57.8 86.8





#29

Tetrahydrofuran

Concen: 265.026 ug/l

RT: 4.989 min Scan# 640

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 23867

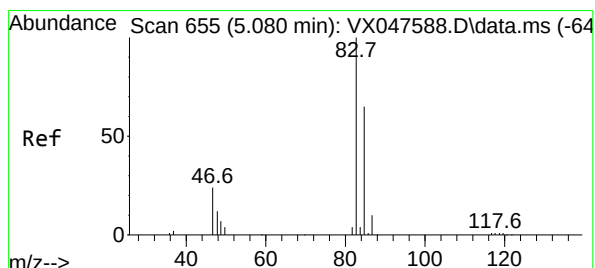
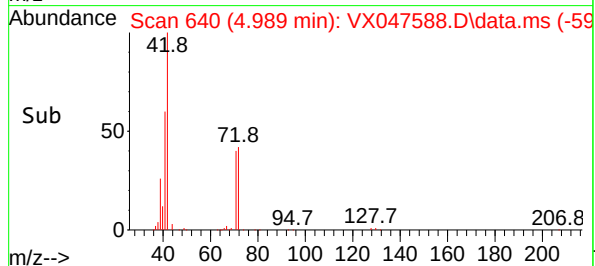
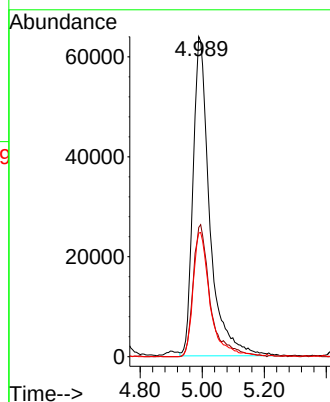
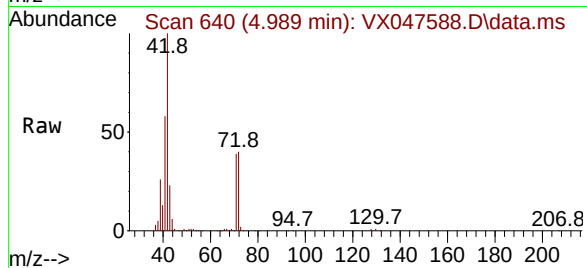
Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	39.9	31.9	47.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#30

Chloroform

Concen: 51.844 ug/l

RT: 5.080 min Scan# 655

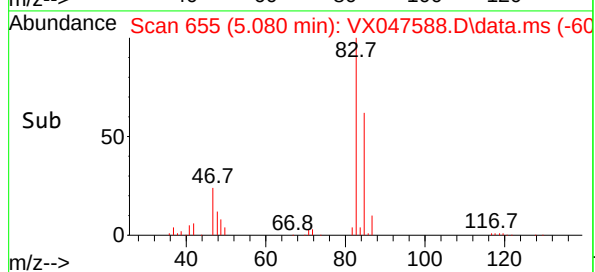
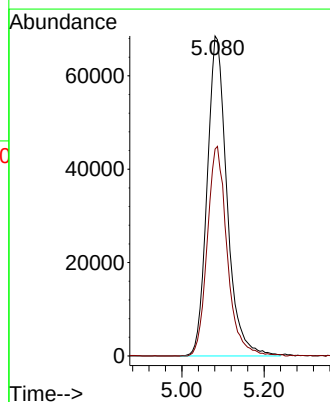
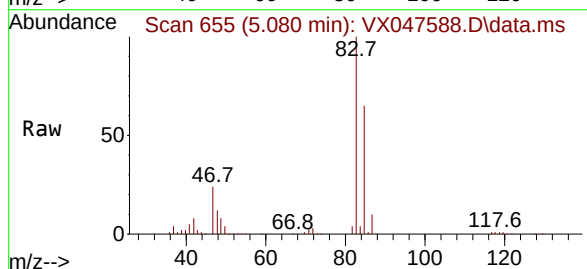
Delta R.T. 0.000 min

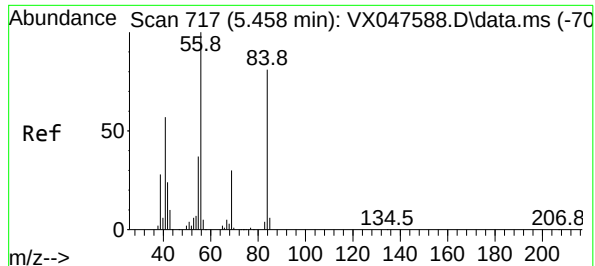
Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 229430

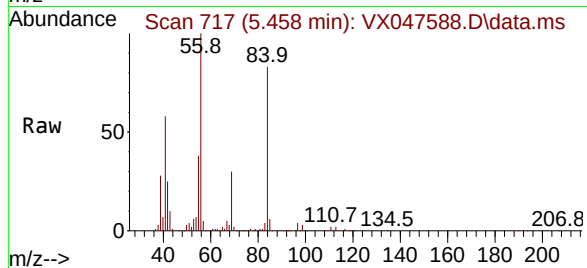
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





#31
Cyclohexane
Concen: 48.952 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

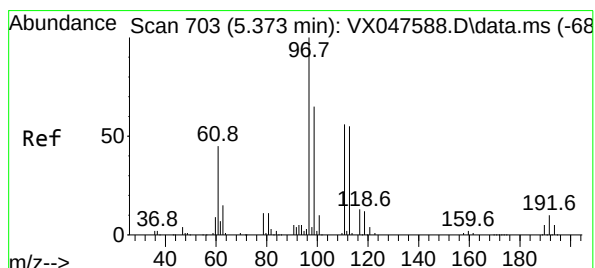
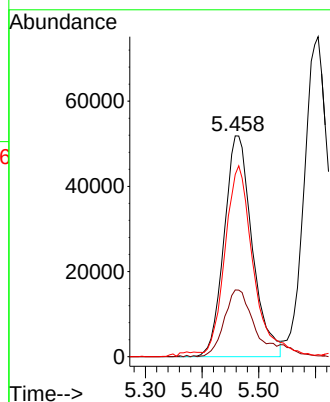
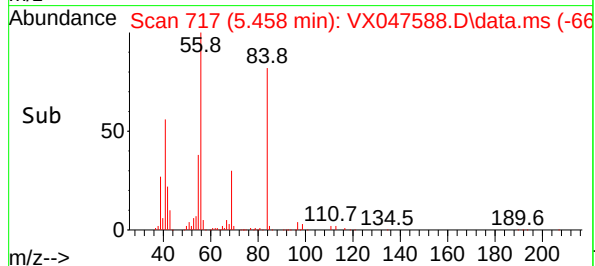
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 56 Resp: 178540
Ion Ratio Lower Upper
56 100
69 29.8 23.8 35.8
84 80.8 64.6 97.0

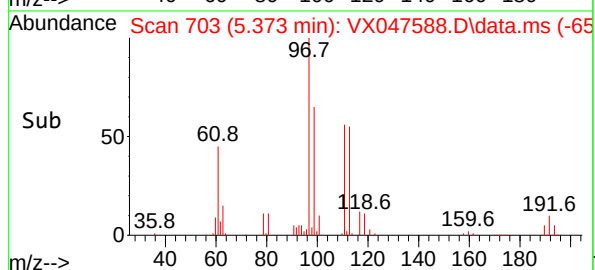
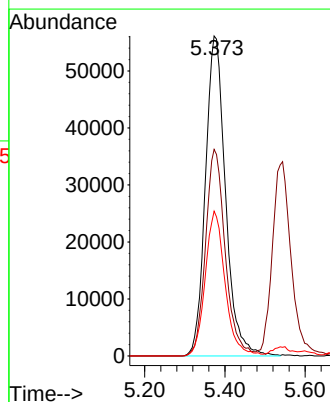
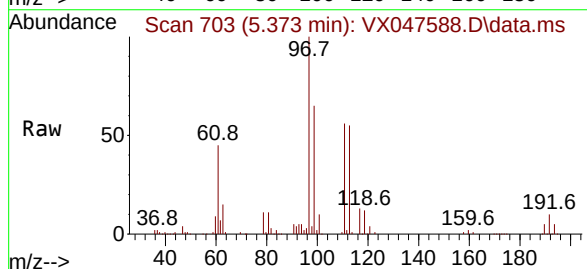
Manual Integrations
APPROVED

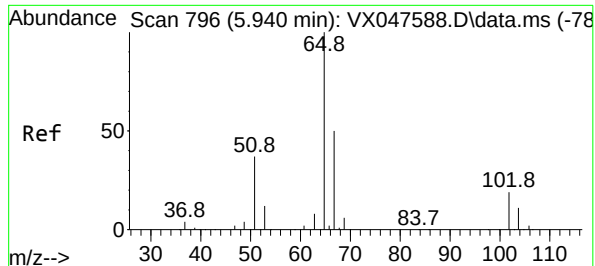
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#32
1,1,1-Trichloroethane
Concen: 52.058 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 97 Resp: 195407
Ion Ratio Lower Upper
97 100
99 63.3 50.6 76.0
61 44.8 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 48.404 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 133600

Ion Ratio Lower Upper

65 100

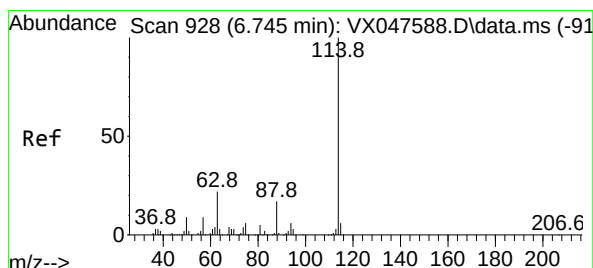
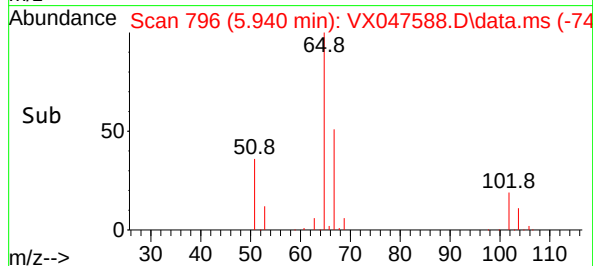
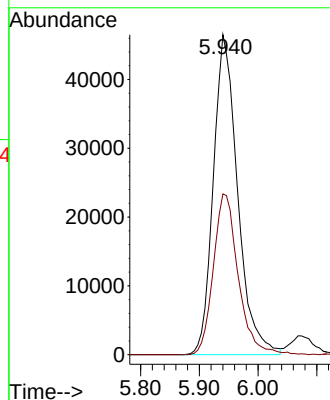
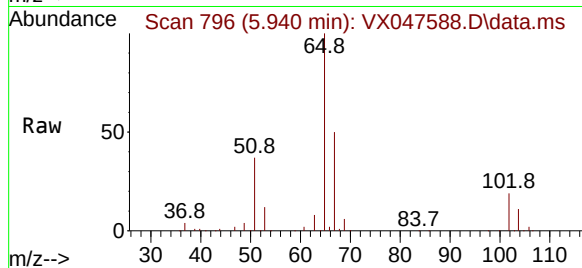
67 51.5 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

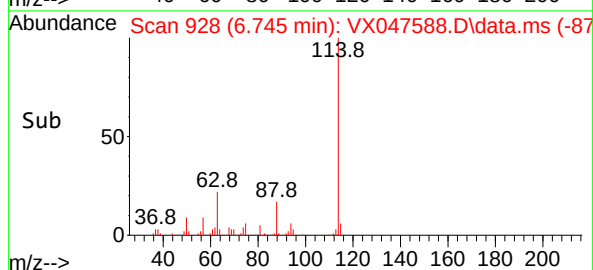
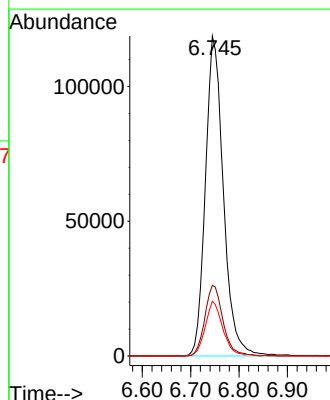
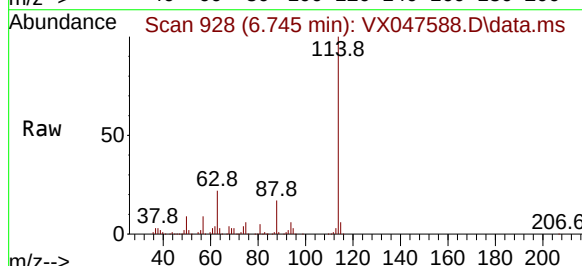
Tgt Ion:114 Resp: 307383

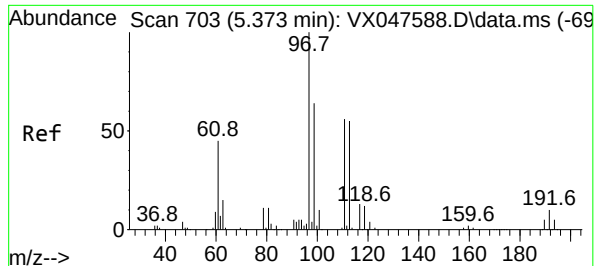
Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.0

88 17.1 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.298 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 113 Resp: 10162

Ion Ratio Lower Upper

113 100

111 101.1 80.9 121.3

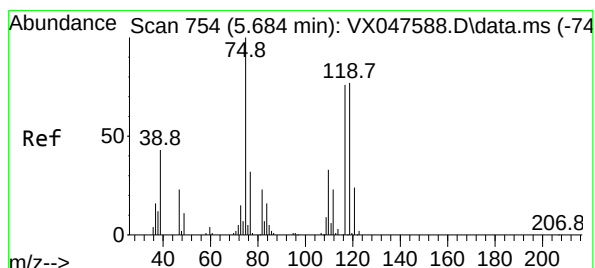
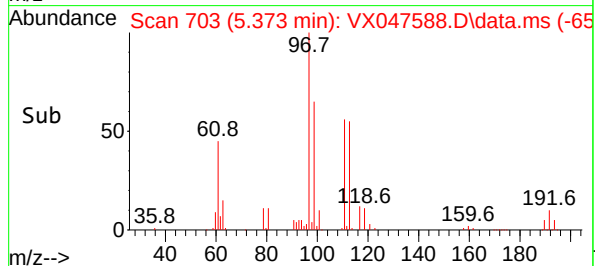
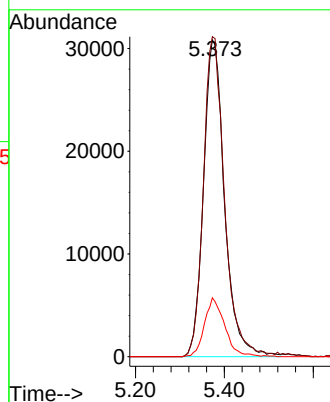
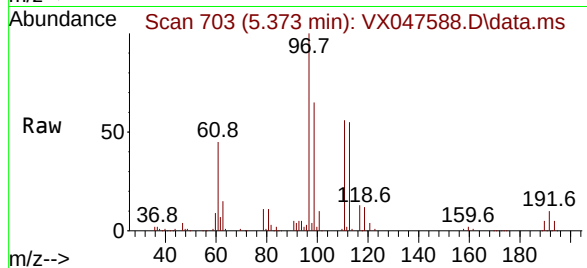
192 17.8 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#36

1,1-Dichloropropene

Concen: 49.729 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

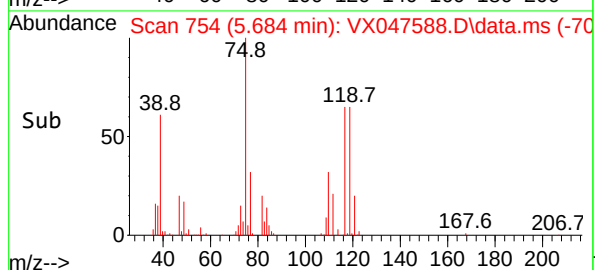
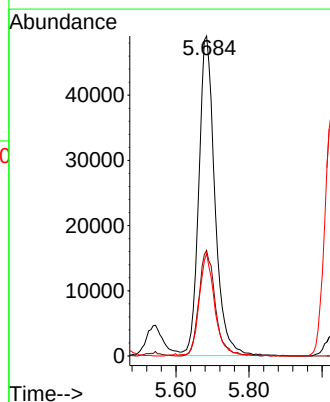
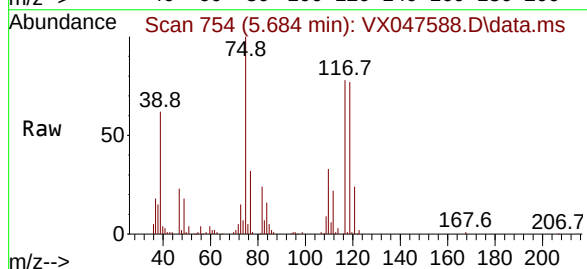
Tgt Ion: 75 Resp: 149800

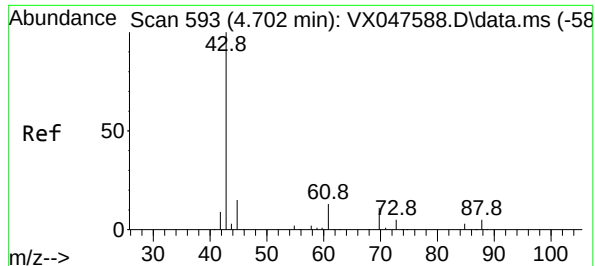
Ion Ratio Lower Upper

75 100

110 33.4 16.7 50.1

77 30.4 24.3 36.5





#37

Ethyl Acetate

Concen: 50.687 ug/l

RT: 4.702 min Scan# 593

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 16348

Ion Ratio Lower Upper

43 100

61 12.3 9.8 14.8

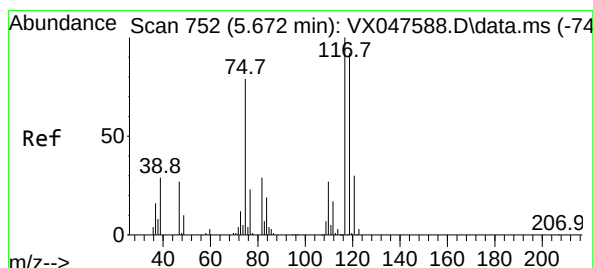
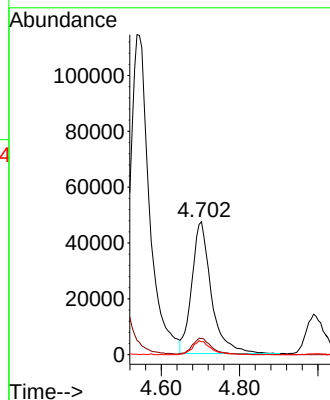
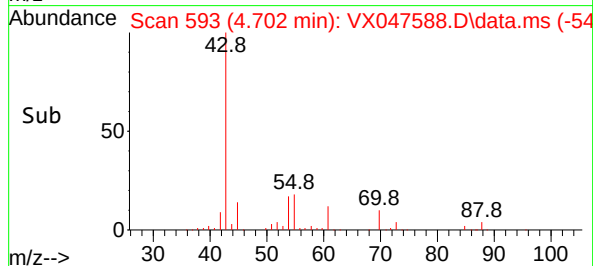
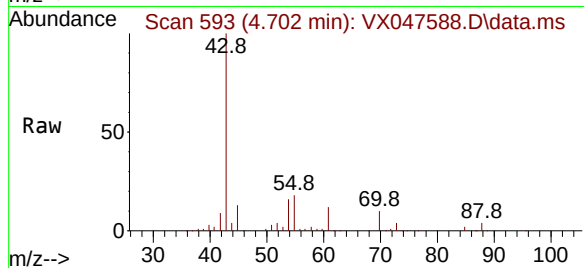
70 9.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#38

Carbon Tetrachloride

Concen: 50.637 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

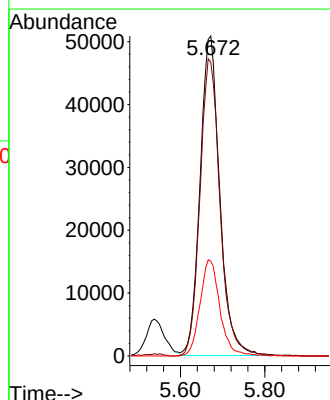
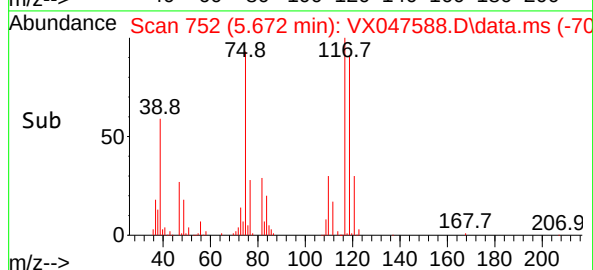
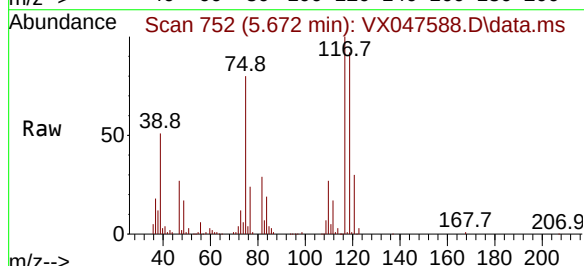
Tgt Ion:117 Resp: 165730

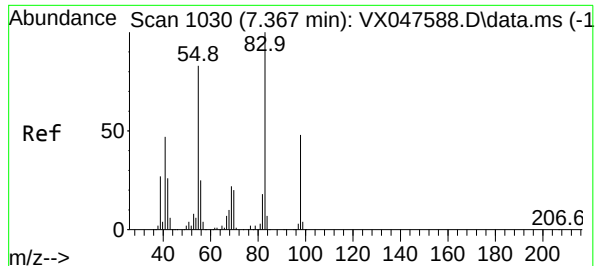
Ion Ratio Lower Upper

117 100

119 91.8 73.4 110.2

121 29.7 23.8 35.6





#39

Methylcyclohexane

Concen: 50.773 ug/l

RT: 7.367 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 173610

Ion Ratio Lower Upper

83 100

55 83.0 66.4 99.6

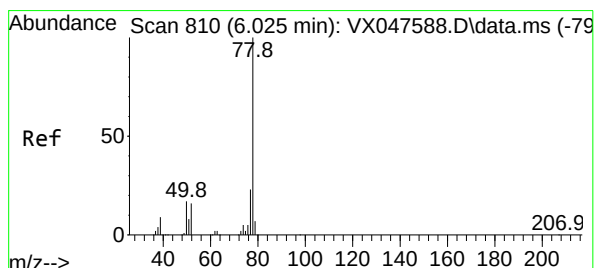
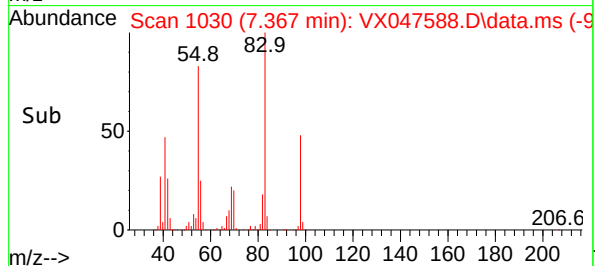
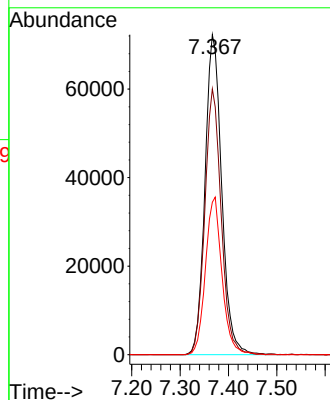
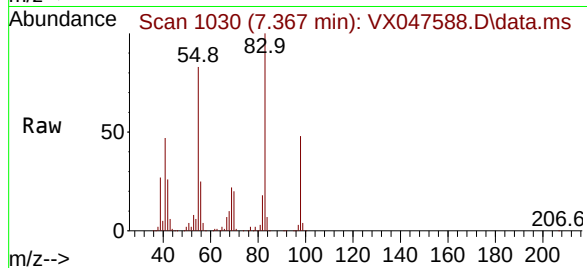
98 47.6 38.1 57.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#40

Benzene

Concen: 51.167 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX047588.D

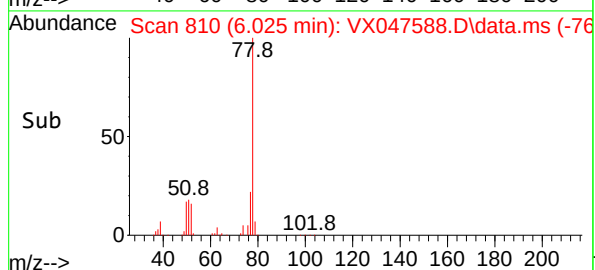
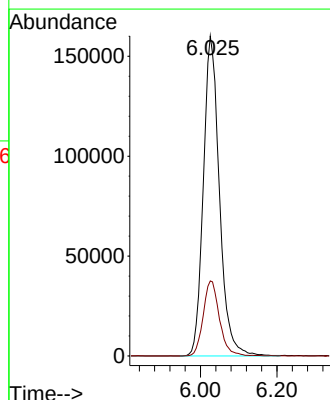
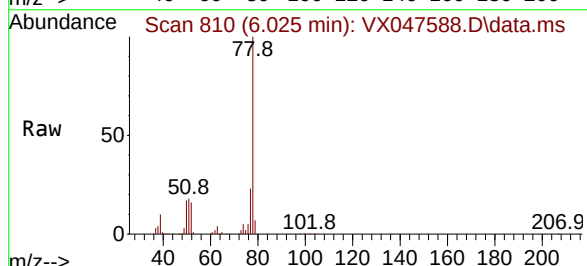
Acq: 16 Sep 2025 10:58

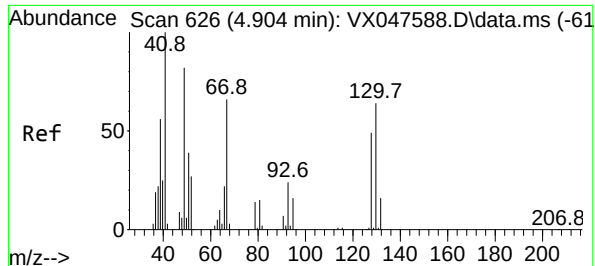
Tgt Ion: 78 Resp: 468136

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2





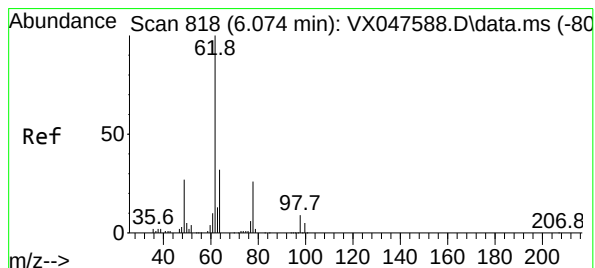
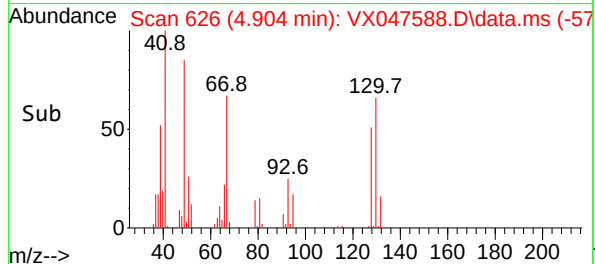
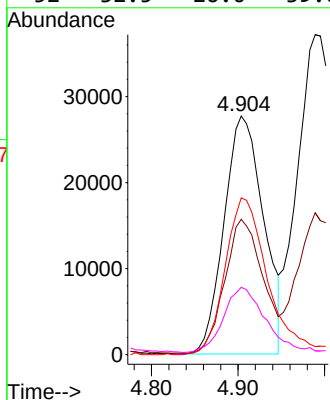
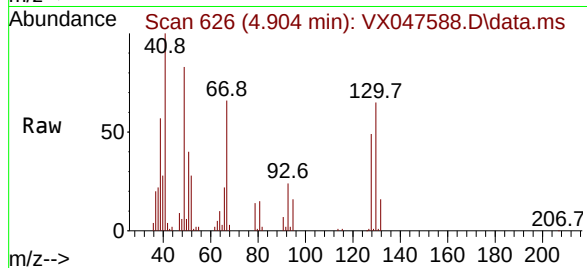
#41
Methacrylonitrile
Concen: 52.707 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 8776
Ion Ratio Lower Upper
41 100
39 54.1 43.3 64.9
67 73.2 58.6 87.8
52 32.5 26.0 39.0

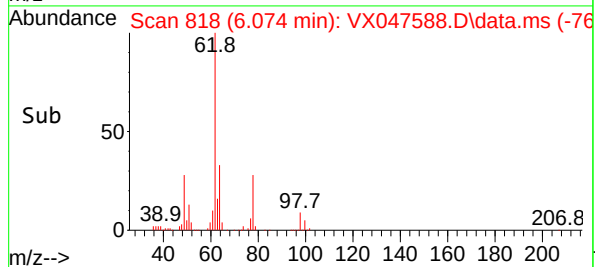
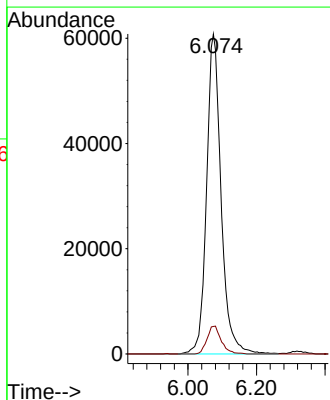
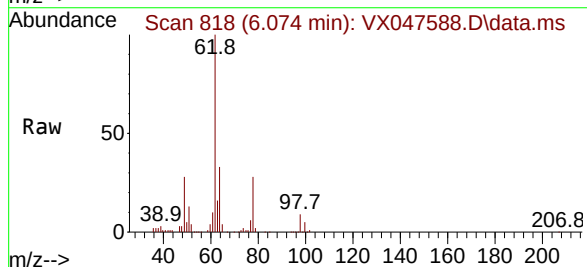
Manual Integrations
APPROVED

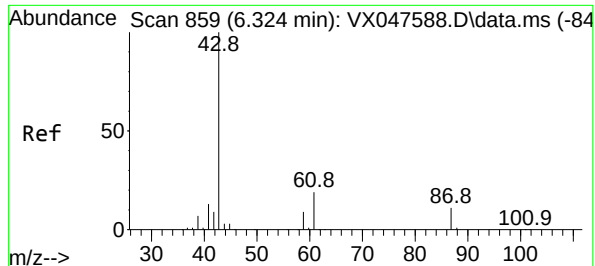
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#42
1,2-Dichloroethane
Concen: 51.431 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 179037
Ion Ratio Lower Upper
62 100
98 8.5 0.0 17.0





#43

Isopropyl Acetate

Concen: 52.096 ug/l

RT: 6.324 min Scan# 859

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

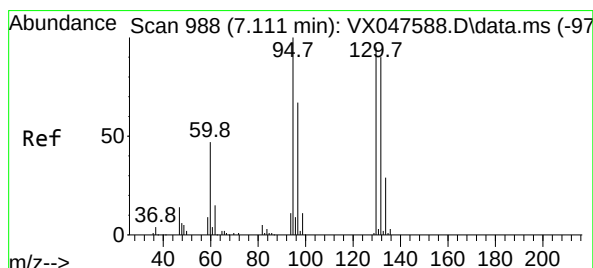
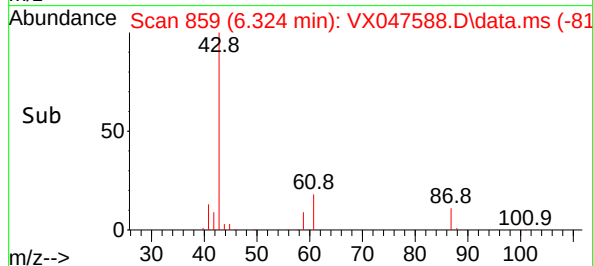
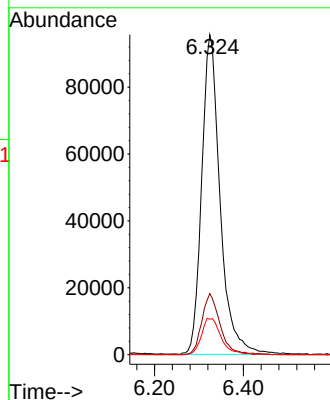
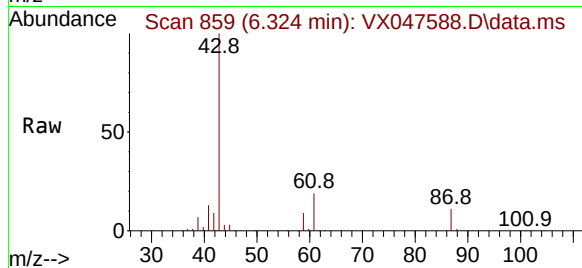
VSTDICCC050

Tgt Ion:	43	Resp:	27557
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.2	22.8
87	12.0	9.6	14.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#44

Trichloroethene

Concen: 51.463 ug/l

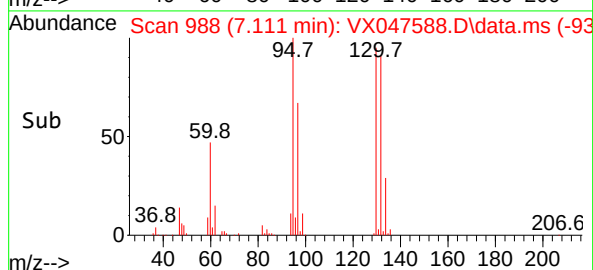
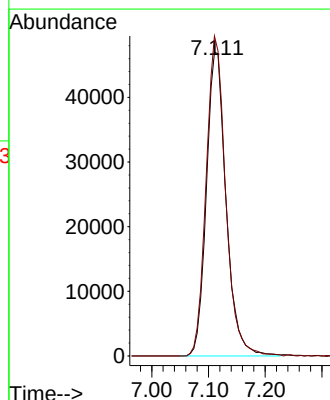
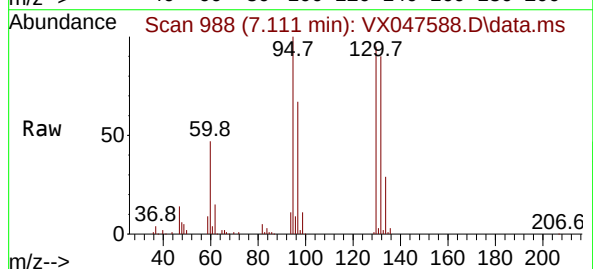
RT: 7.111 min Scan# 988

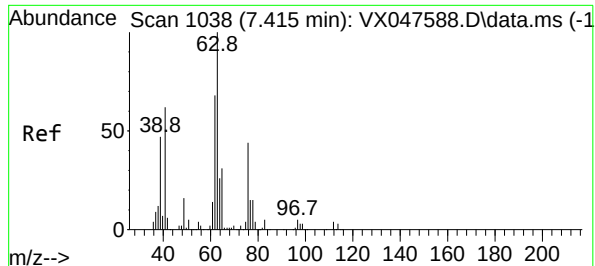
Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Tgt Ion:	130	Resp:	113832
Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	210.8





#45

1,2-Dichloropropane

Concen: 52.122 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 122109

Ion Ratio Lower Upper

63 100

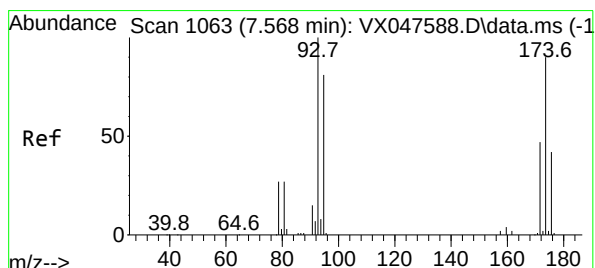
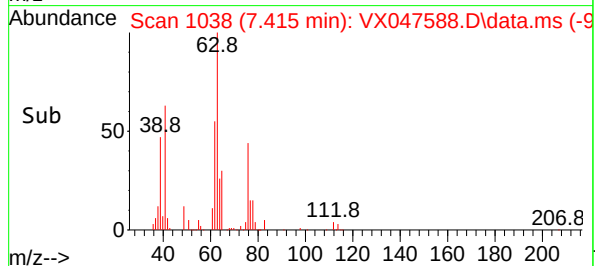
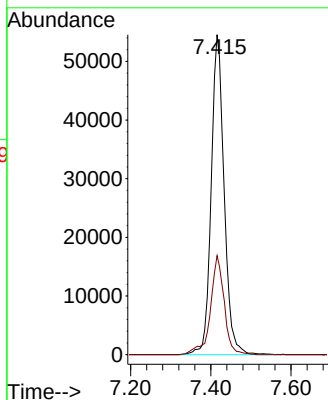
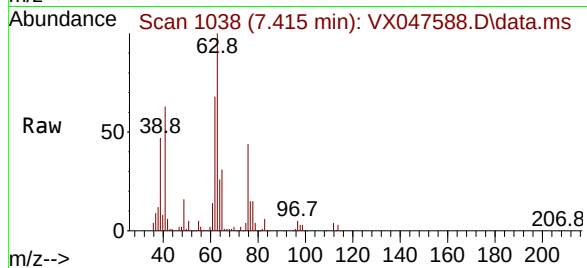
65 30.9 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#46

Dibromomethane

Concen: 51.914 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

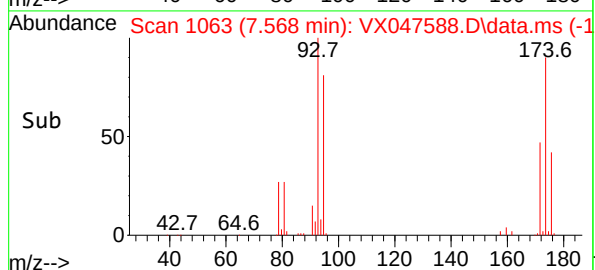
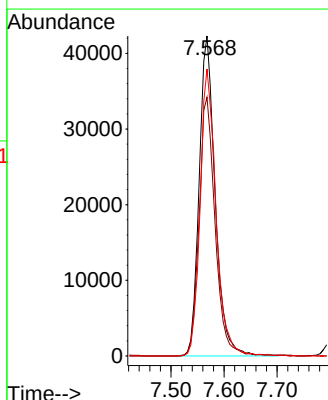
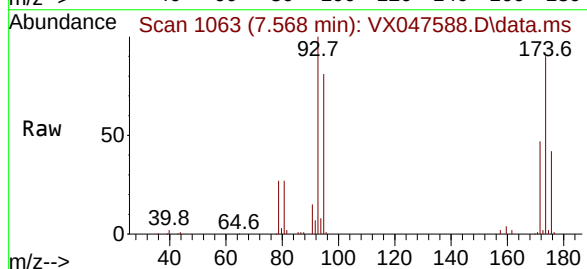
Tgt Ion: 93 Resp: 88505

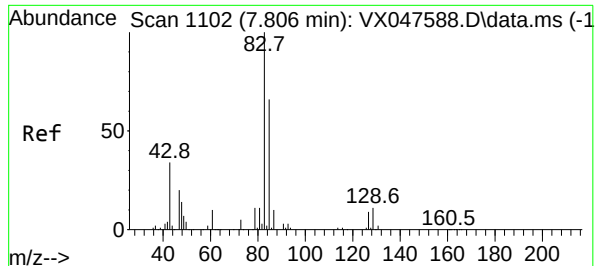
Ion Ratio Lower Upper

93 100

95 81.3 65.0 97.6

174 89.5 71.6 107.4





#47

Bromodichloromethane

Concen: 53.025 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

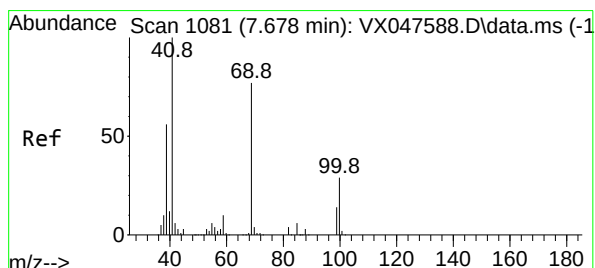
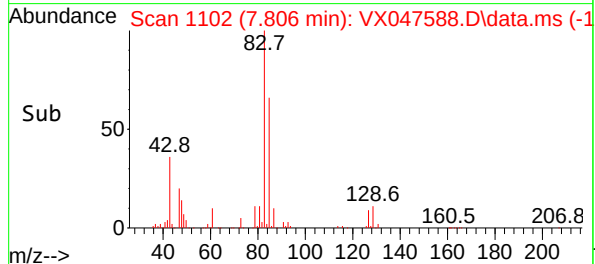
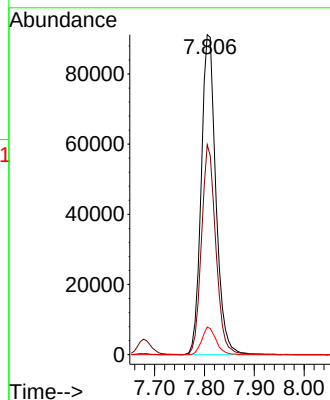
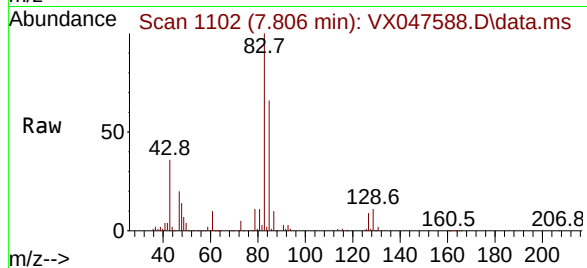
VSTDICCC050

Tgt Ion:	83	Resp:	186540
Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7
127	8.6	6.9	10.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#48

Methyl methacrylate

Concen: 52.438 ug/l

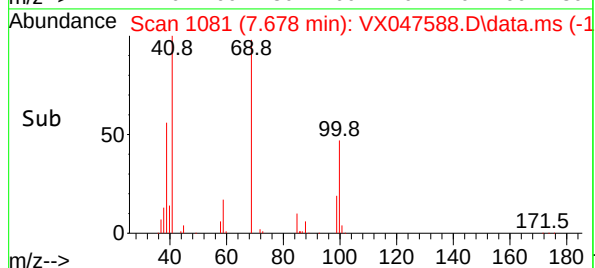
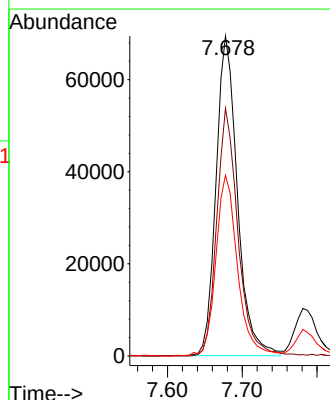
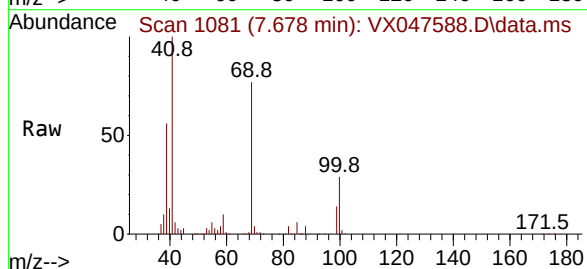
RT: 7.678 min Scan# 1081

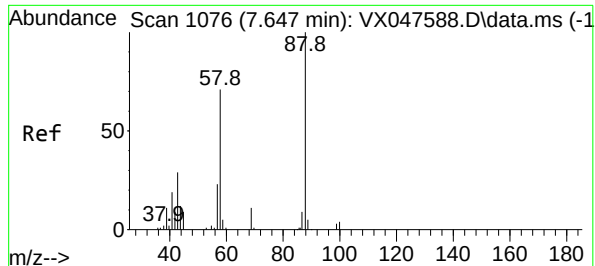
Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Tgt Ion:	41	Resp:	138167
Ion	Ratio	Lower	Upper
41	100		
69	76.8	61.4	92.2
39	57.2	45.8	68.6





#49

1,4-Dioxane

Concen: 1107.698 ug/l

RT: 7.647 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

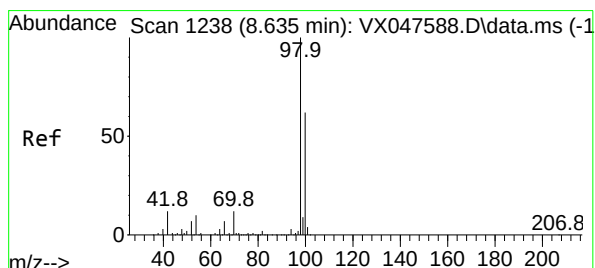
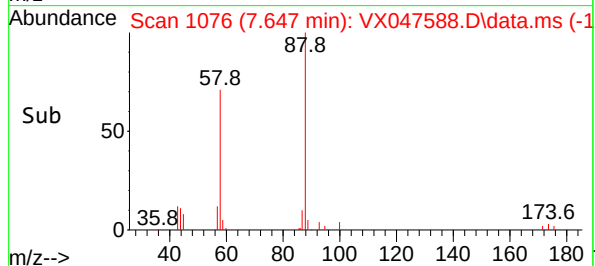
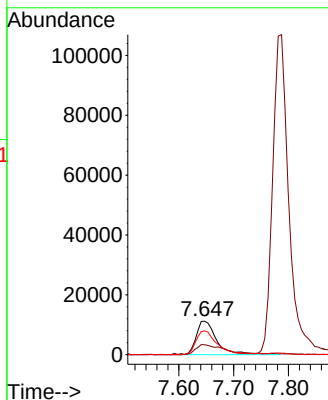
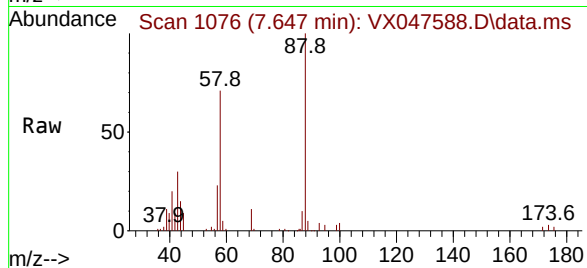
VSTDICCC050

Tgt Ion:	88	Resp:	29490
Ion	Ratio	Lower	Upper
88	100		
43	37.7	30.2	45.2
58	74.4	59.5	89.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#50

Toluene-d8

Concen: 49.428 ug/l

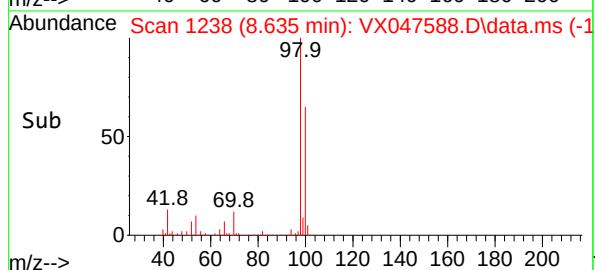
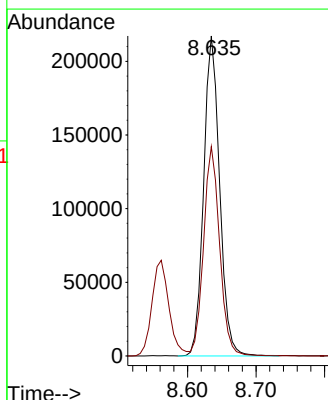
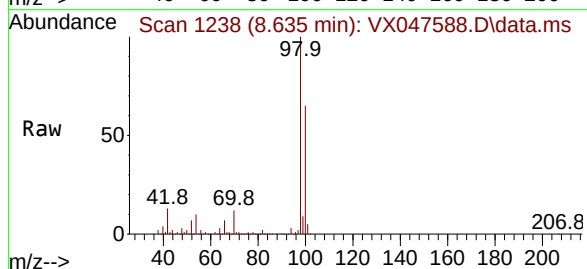
RT: 8.635 min Scan# 1238

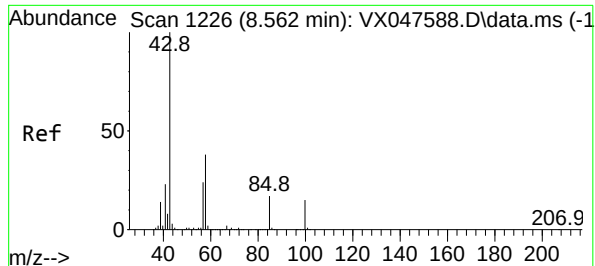
Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Tgt Ion:	98	Resp:	352578
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 267.650 ug/l

RT: 8.562 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 784978

Ion Ratio Lower Upper

43 100

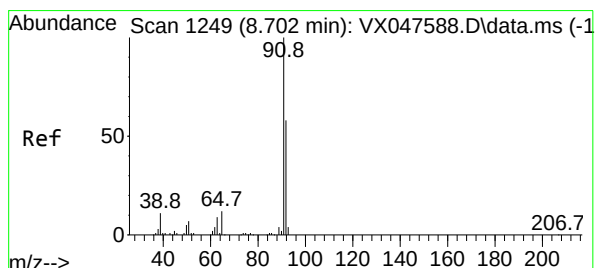
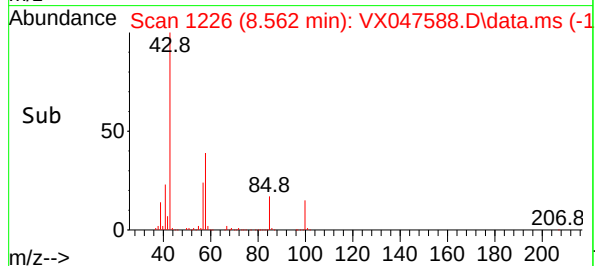
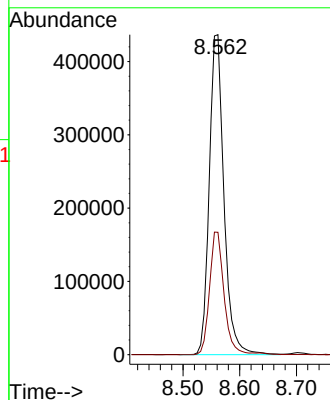
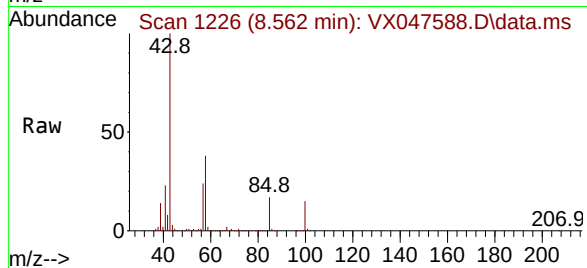
58 37.9 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#52

Toluene

Concen: 51.244 ug/l

RT: 8.702 min Scan# 1249

Delta R.T. 0.000 min

Lab File: VX047588.D

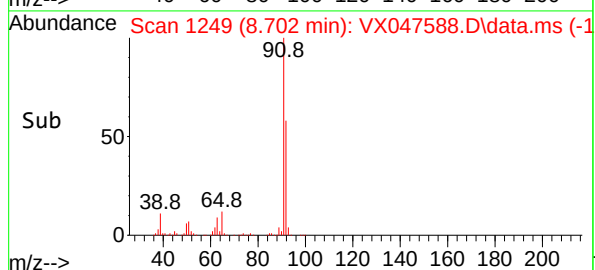
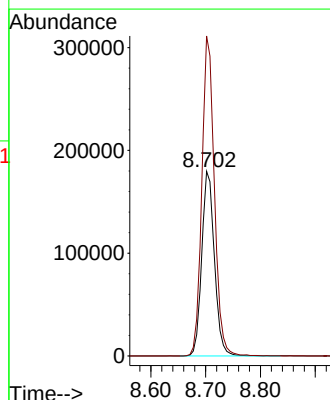
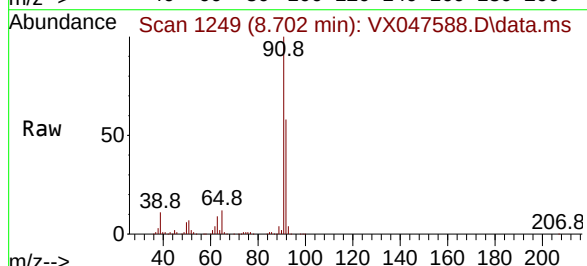
Acq: 16 Sep 2025 10:58

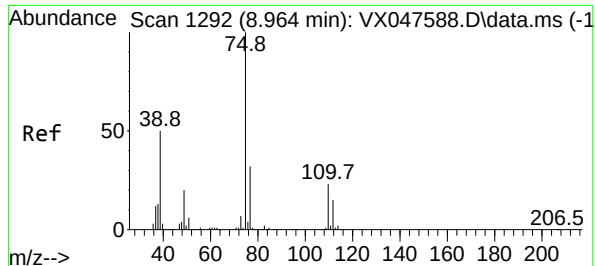
Tgt Ion: 92 Resp: 288853

Ion Ratio Lower Upper

92 100

91 171.4 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 53.027 ug/l

RT: 8.964 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 19028

Ion Ratio Lower Upper

75 100

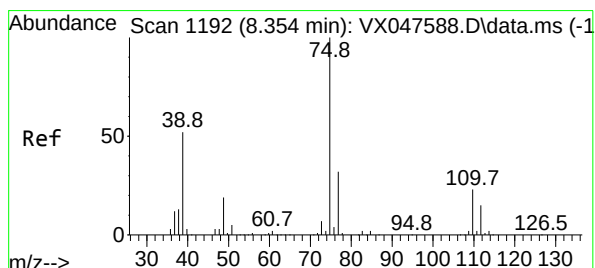
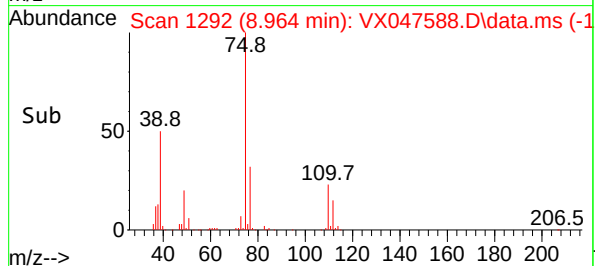
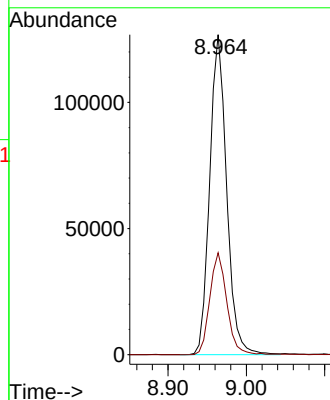
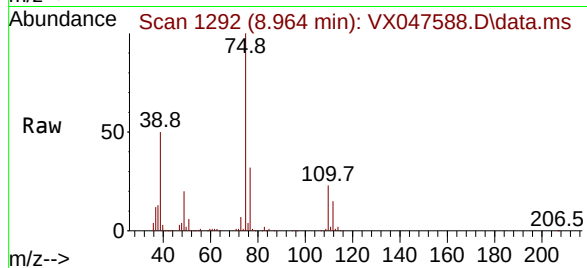
77 31.8 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#54

cis-1,3-Dichloropropene

Concen: 52.369 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

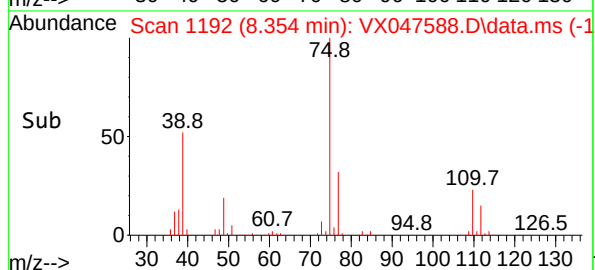
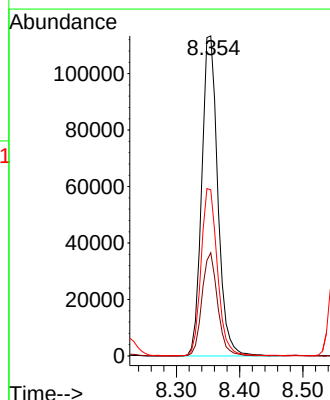
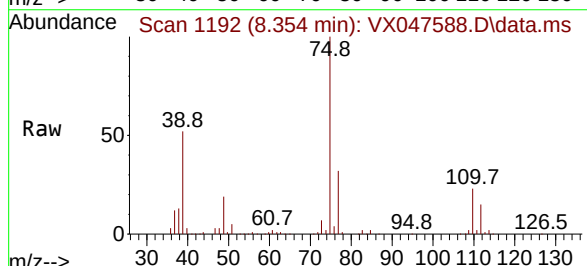
Tgt Ion: 75 Resp: 200859

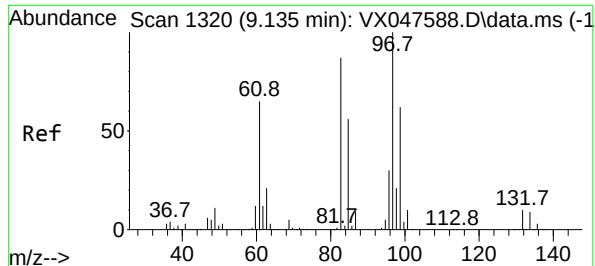
Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

39 51.8 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 51.915 ug/l

RT: 9.135 min Scan# 11283

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 11283

Ion Ratio Lower Upper

97 100

83 87.0 69.6 104.4

85 56.3 45.0 67.6

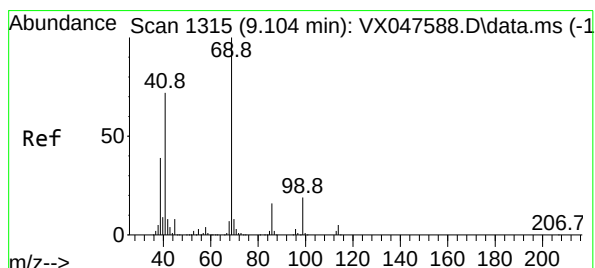
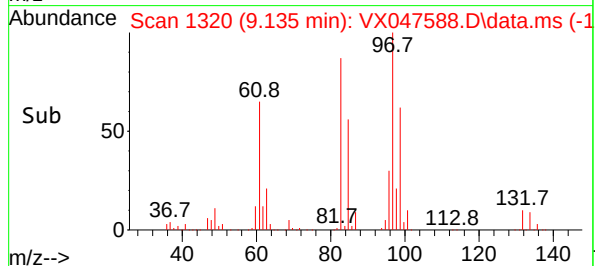
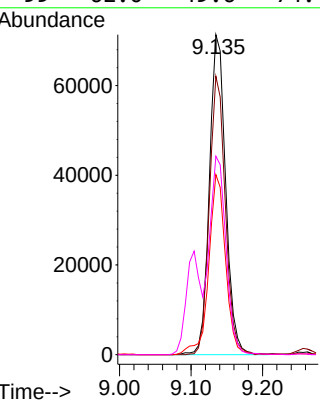
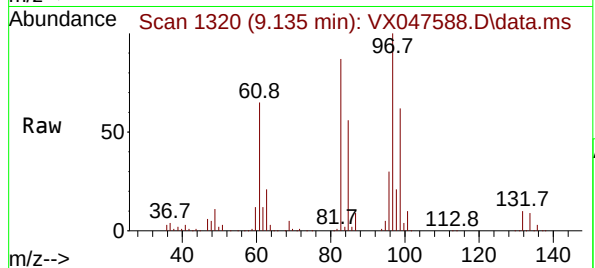
99 62.0 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#56

Ethyl methacrylate

Concen: 53.930 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

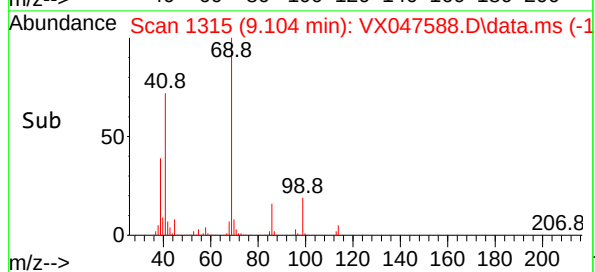
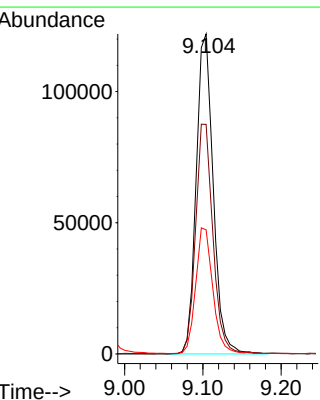
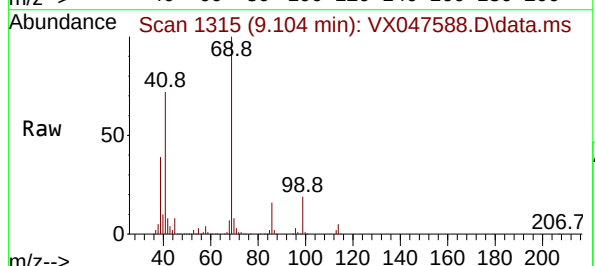
Tgt Ion: 69 Resp: 184087

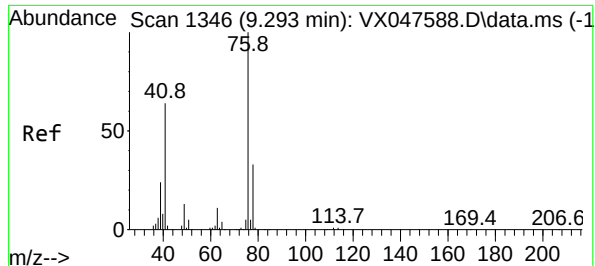
Ion Ratio Lower Upper

69 100

41 73.2 58.6 87.8

39 39.4 31.5 47.3





#57

1,3-Dichloropropane

Concen: 52.492 ug/l

RT: 9.293 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 195989

Ion Ratio Lower Upper

76 100

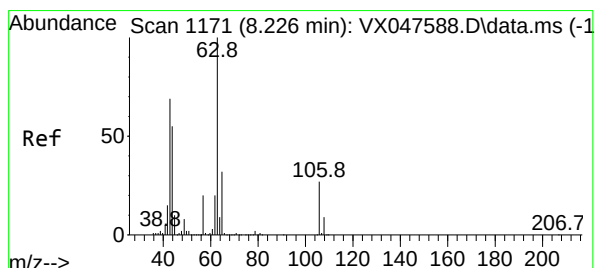
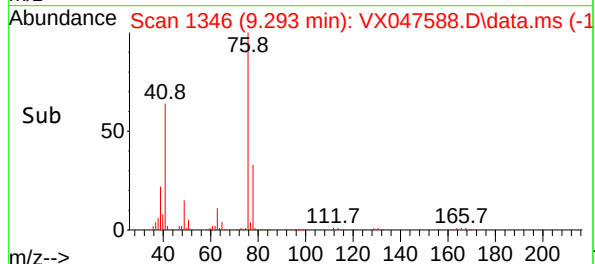
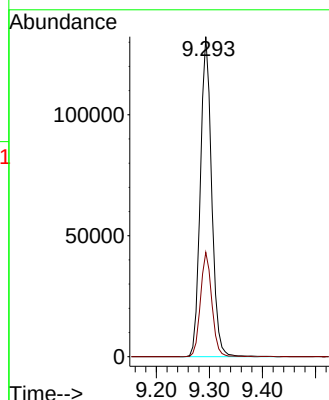
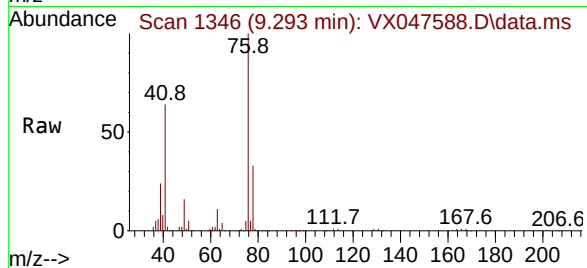
78 32.8 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#58

2-Chloroethyl Vinyl ether

Concen: 256.309 ug/l

RT: 8.226 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VX047588.D

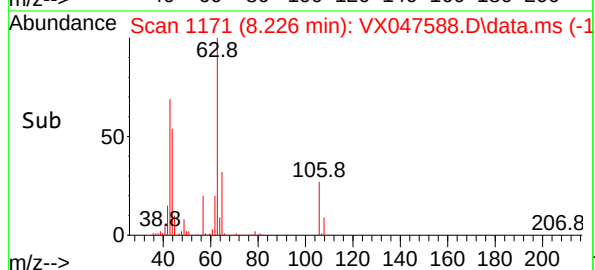
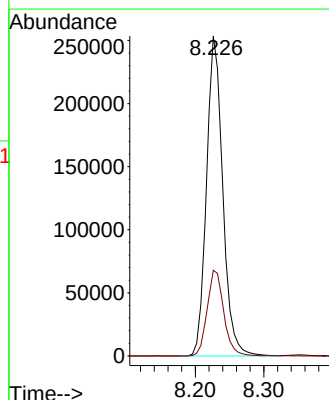
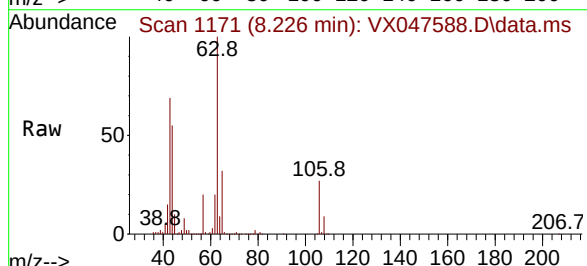
Acq: 16 Sep 2025 10:58

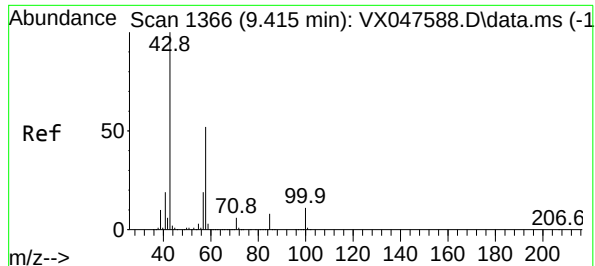
Tgt Ion: 63 Resp: 418707

Ion Ratio Lower Upper

63 100

106 27.4 21.9 32.9





#59

2-Hexanone

Concen: 262.683 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 55331

Ion Ratio Lower Upper

43

100

58

52.1

26.1

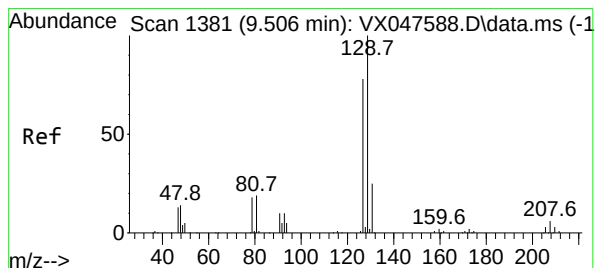
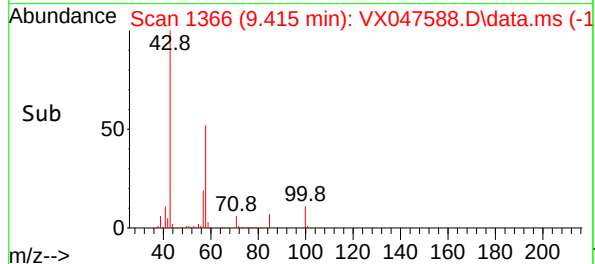
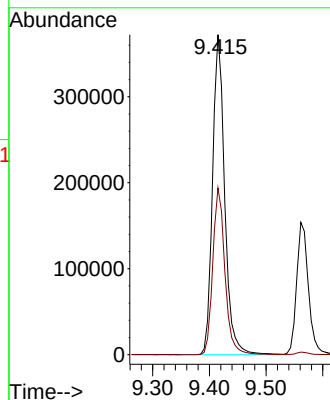
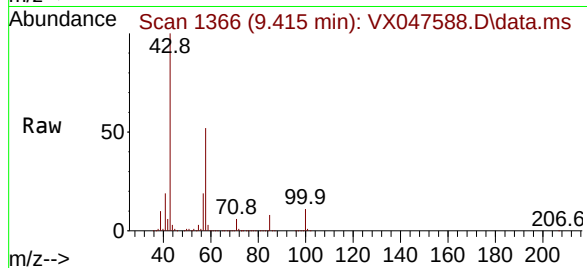
78.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#60

Dibromochloromethane

Concen: 53.401 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Tgt Ion:129 Resp: 133737

Ion Ratio Lower Upper

129

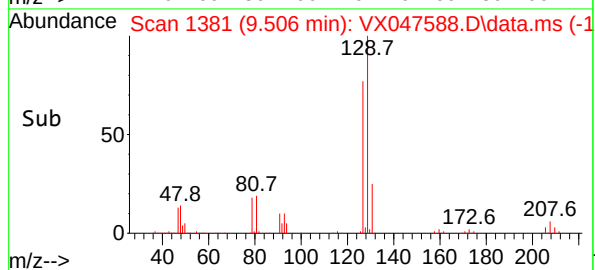
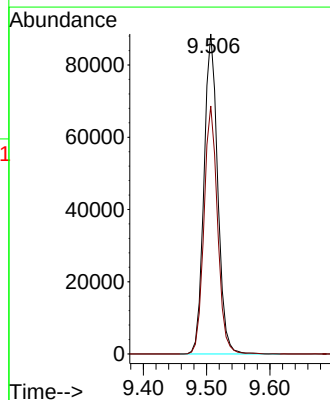
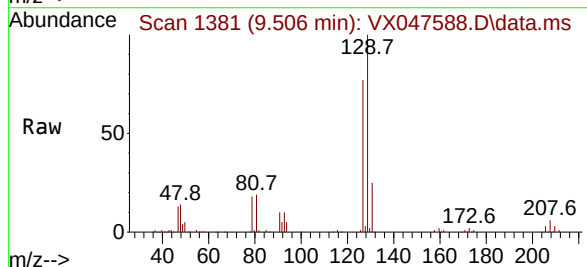
100

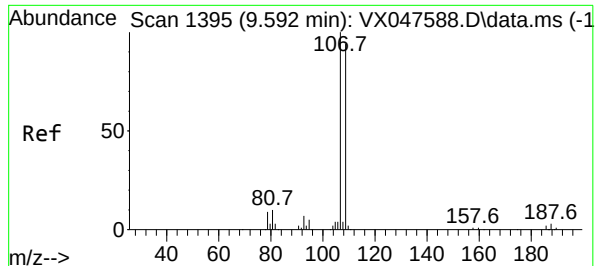
127

76.8

38.4

115.2





#61

1,2-Dibromoethane

Concen: 52.607 ug/l

RT: 9.592 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:107 Resp: 116462

Ion Ratio Lower Upper

107 100

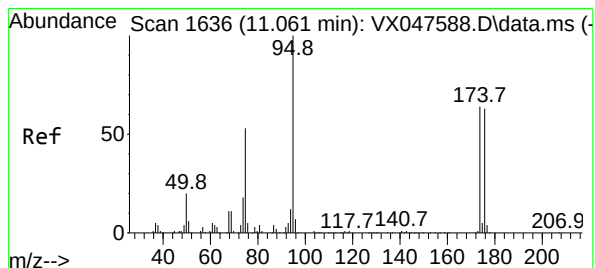
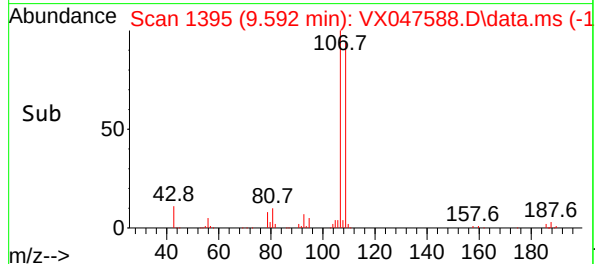
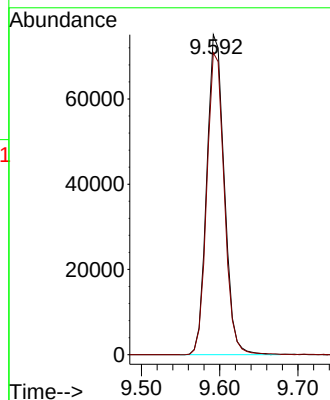
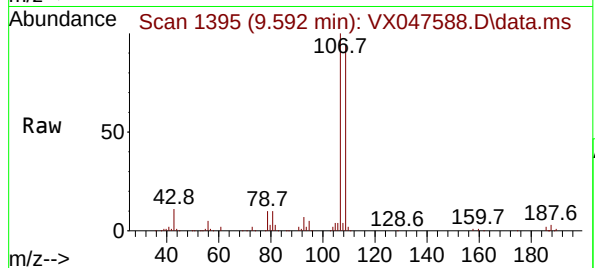
109 94.1 75.3 112.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#62

4-Bromofluorobenzene

Concen: 48.471 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

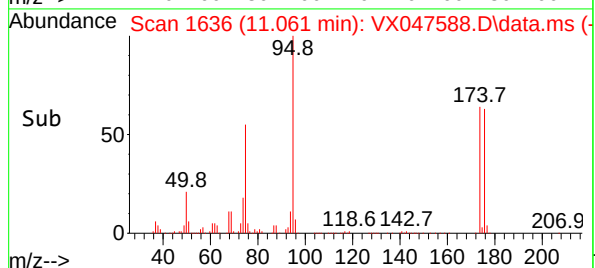
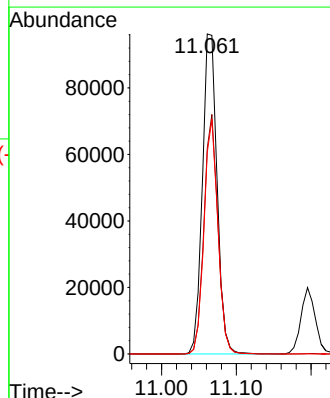
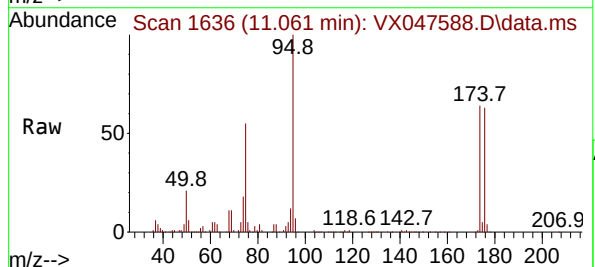
Tgt Ion: 95 Resp: 131217

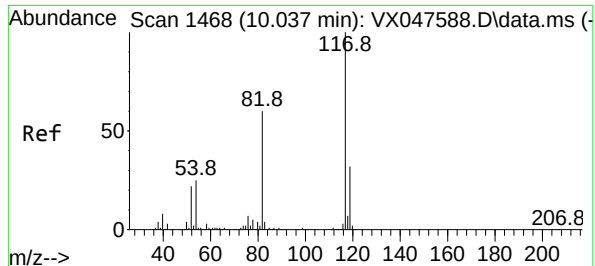
Ion Ratio Lower Upper

95 100

174 70.8 0.0 141.6

176 69.2 0.0 138.4





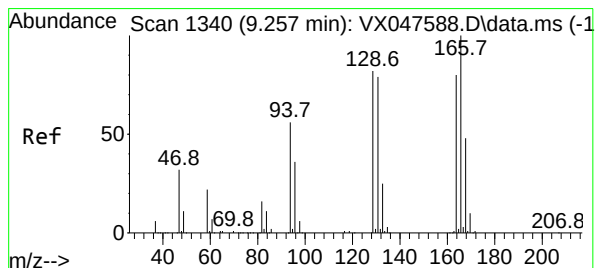
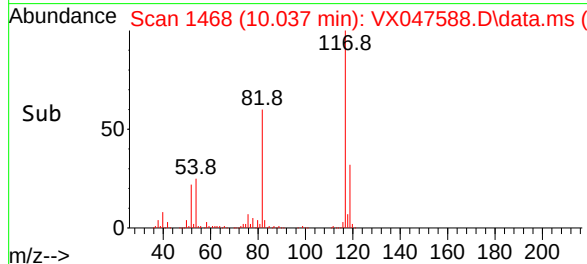
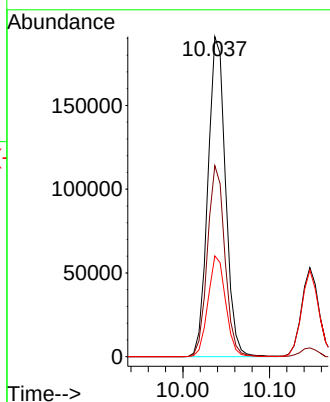
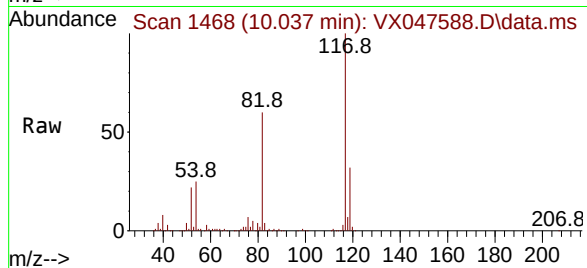
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 270040
Ion Ratio Lower Upper
117 100
82 59.7 47.8 71.6
119 31.5 25.2 37.8

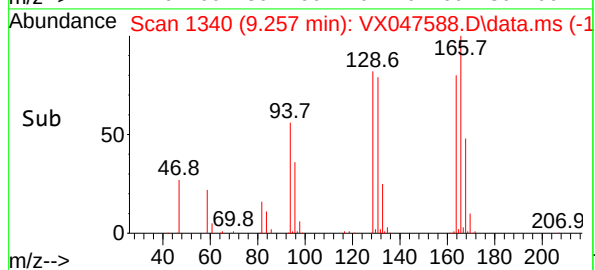
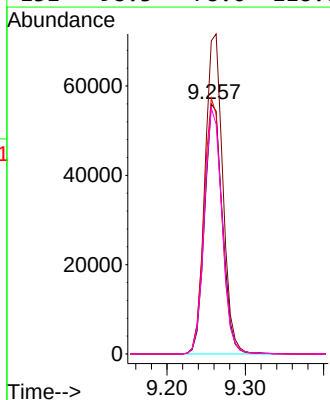
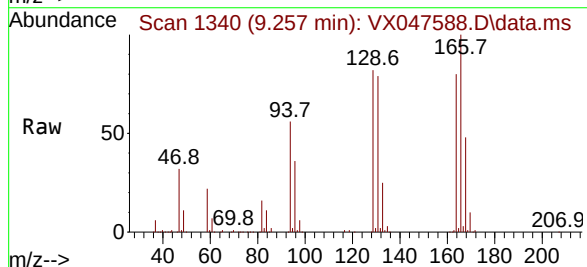
Manual Integrations
APPROVED

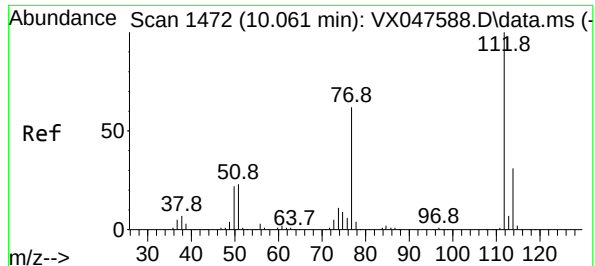
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#64
Tetrachloroethene
Concen: 50.074 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:164 Resp: 88149
Ion Ratio Lower Upper
164 100
166 125.2 100.2 150.2
129 102.2 81.8 122.6
131 98.3 78.6 118.0





#65

Chlorobenzene

Concen: 51.833 ug/l

RT: 10.061 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:112 Resp: 31798

Ion Ratio Lower Upper

112 100

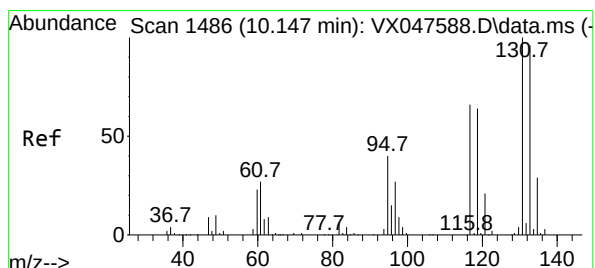
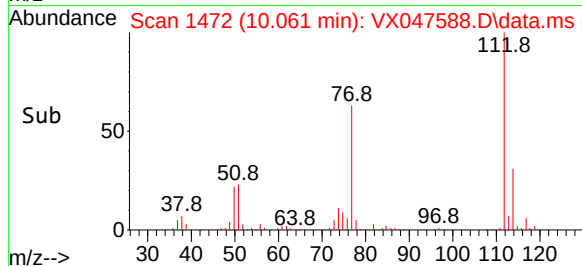
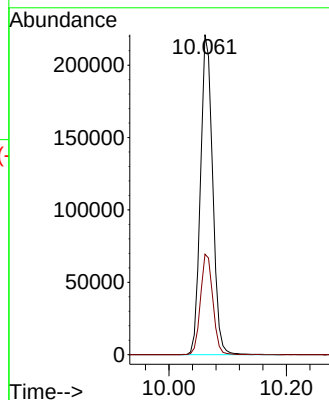
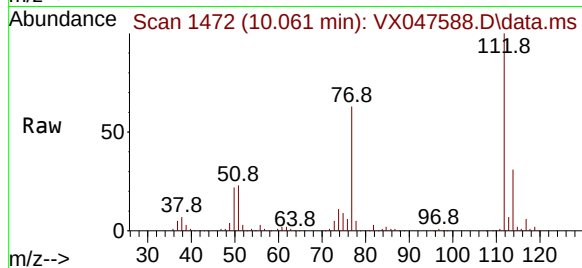
114 31.4 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 52.835 ug/l

RT: 10.147 min Scan# 1486

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

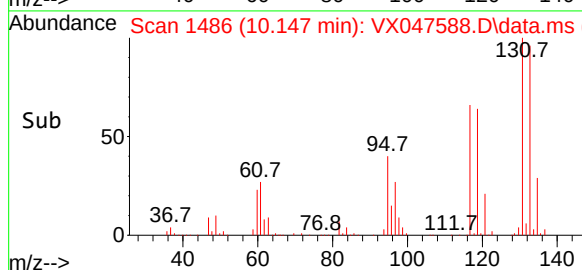
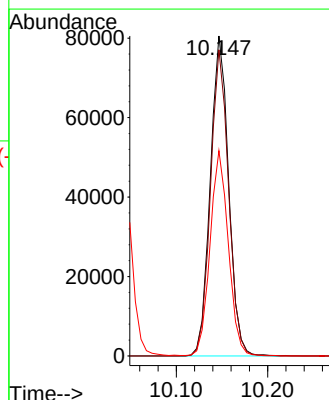
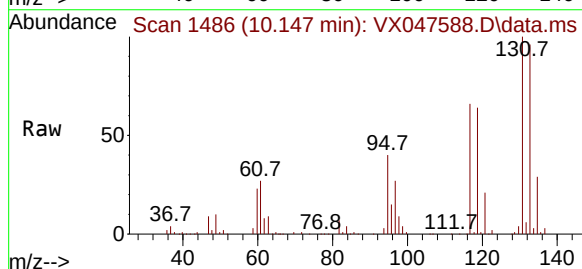
Tgt Ion:131 Resp: 111849

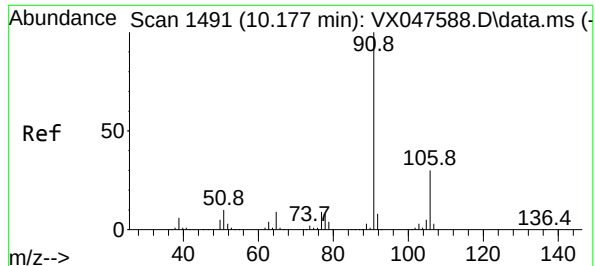
Ion Ratio Lower Upper

131 100

133 94.7 47.3 142.0

119 64.0 32.0 96.0





#67

Ethyl Benzene

Concen: 52.017 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 550610

Ion Ratio Lower Upper

91 100

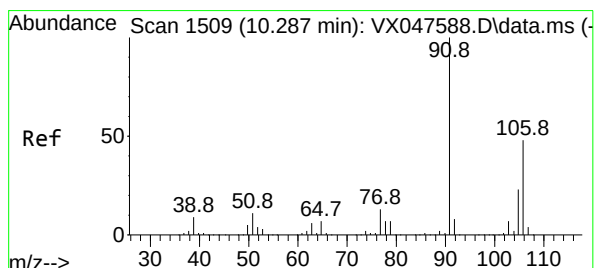
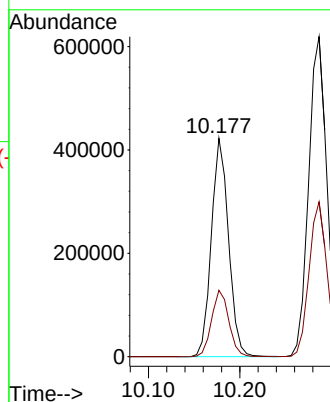
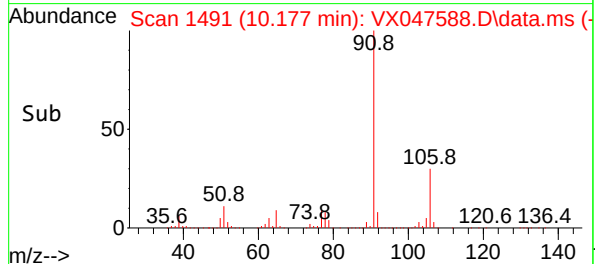
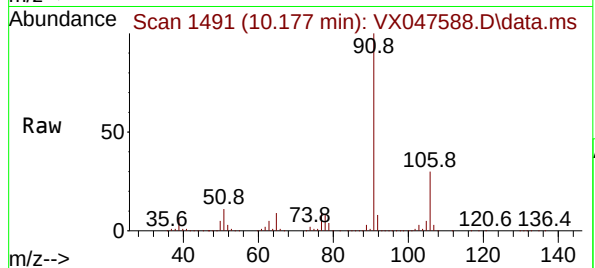
106 30.4 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#68

m/p-Xylenes

Concen: 104.809 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. 0.000 min

Lab File: VX047588.D

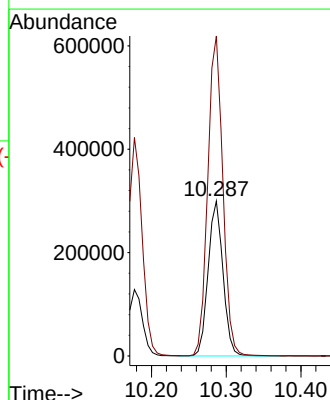
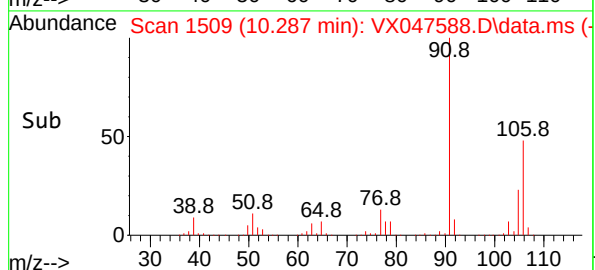
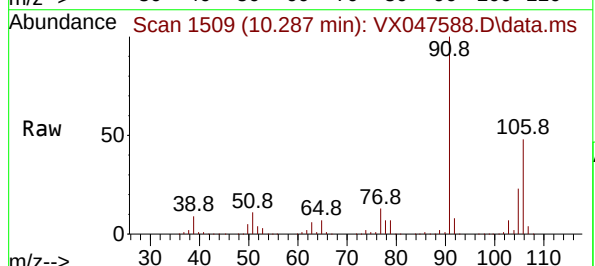
Acq: 16 Sep 2025 10:58

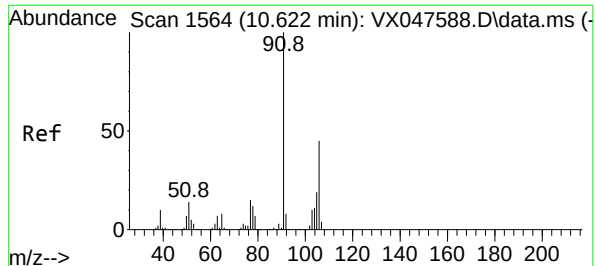
Tgt Ion:106 Resp: 412932

Ion Ratio Lower Upper

106 100

91 209.8 167.8 251.8





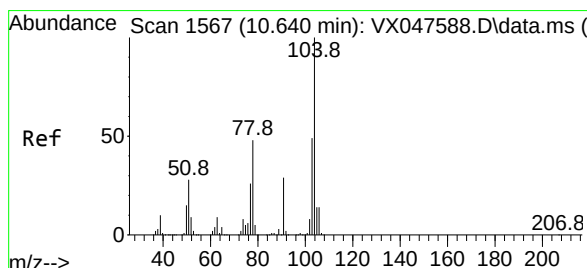
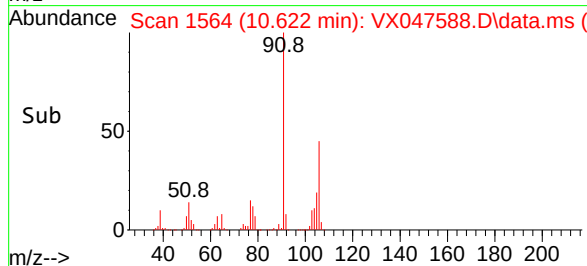
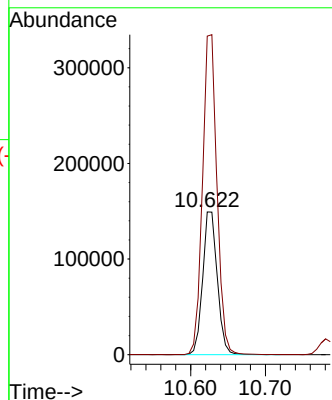
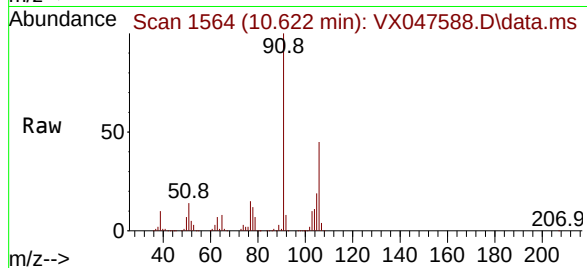
#69
o-Xylene
Concen: 53.084 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 20229
Ion Ratio Lower Upper
106 100
91 222.3 111.1 333.4

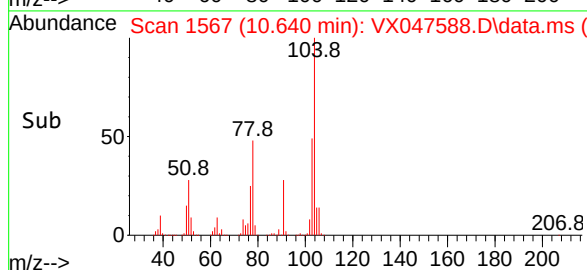
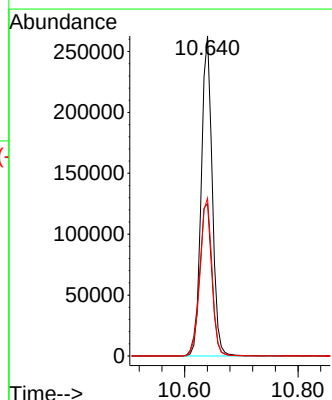
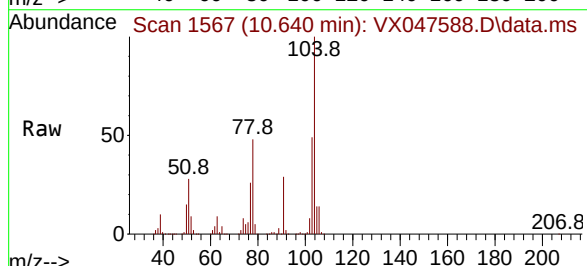
Manual Integrations
APPROVED

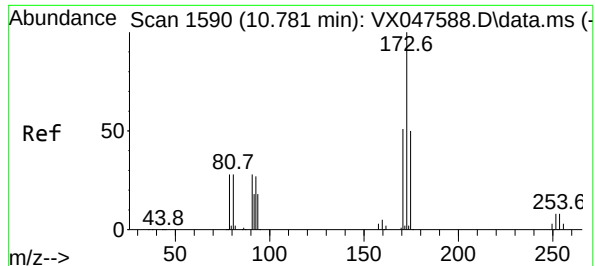
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#70
Styrene
Concen: 52.515 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:104 Resp: 350654
Ion Ratio Lower Upper
104 100
78 53.9 43.1 64.7
103 53.9 43.1 64.7





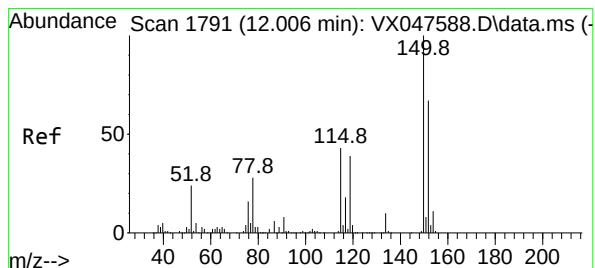
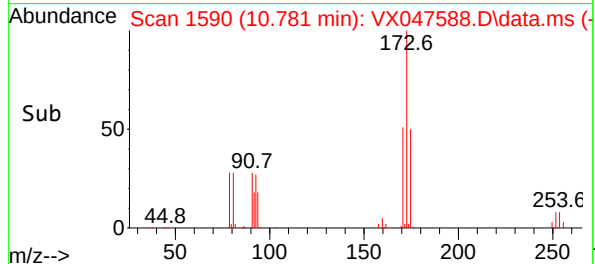
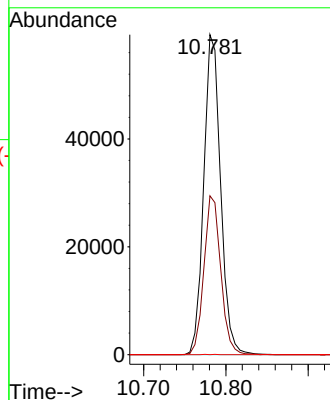
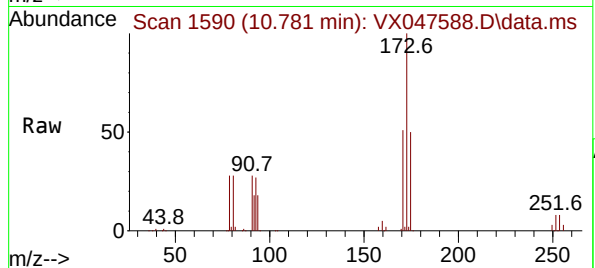
#71
Bromoform
Concen: 53.447 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 8448
Ion Ratio Lower Upper
173 100
175 49.7 24.9 74.6
254 0.1 0.1 0.1

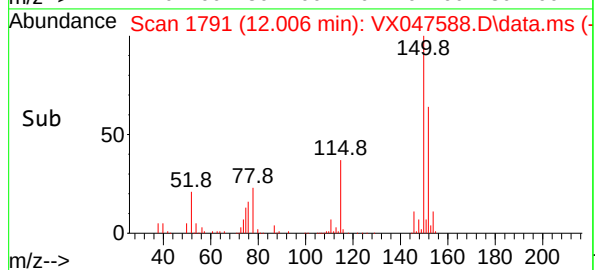
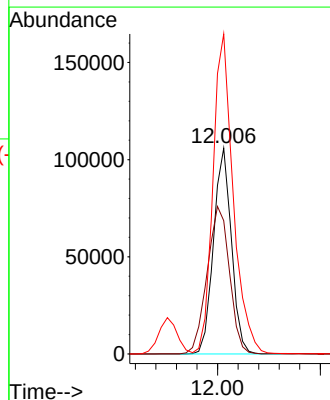
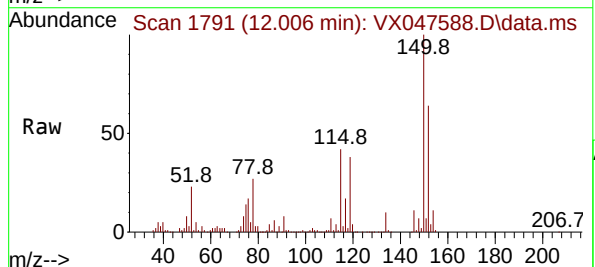
Manual Integrations
APPROVED

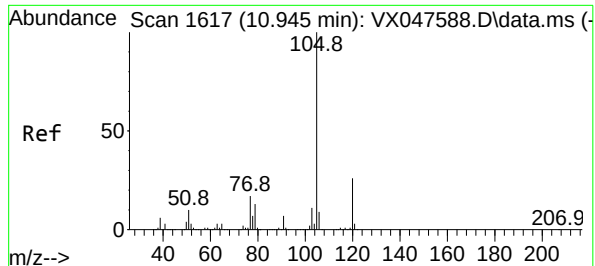
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

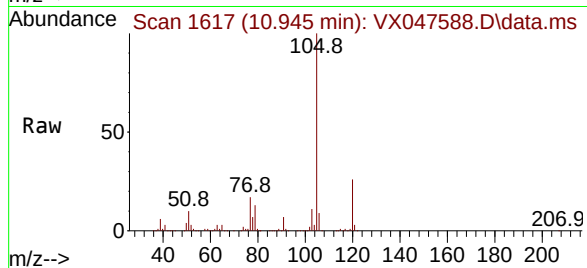
Tgt Ion:152 Resp: 127732
Ion Ratio Lower Upper
152 100
115 89.7 44.9 134.5
150 176.0 0.0 352.0





#73
Isopropylbenzene
Concen: 53.227 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

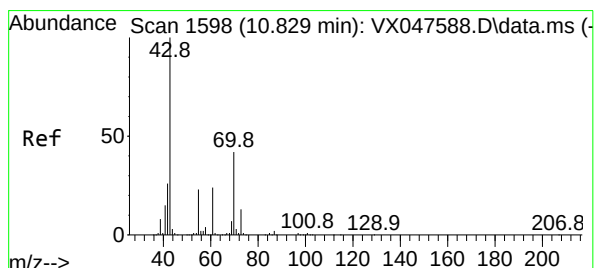
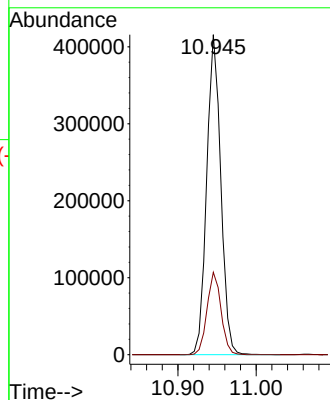
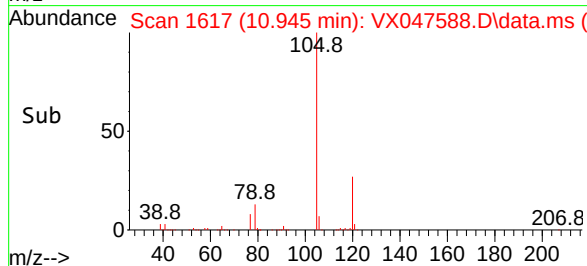
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 51689
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.4

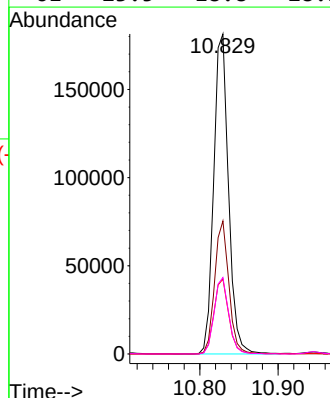
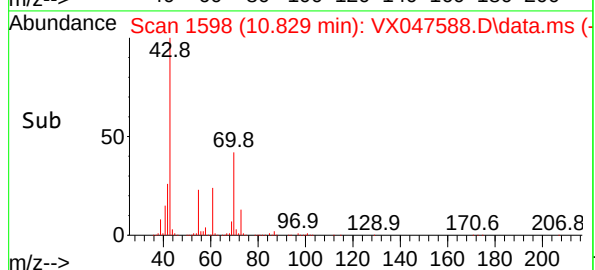
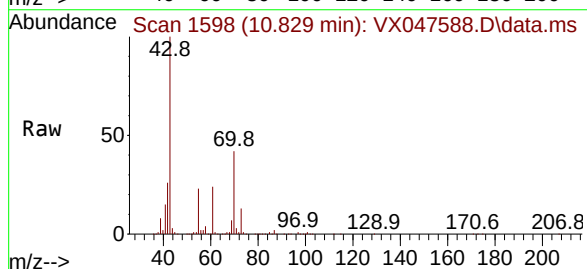
Manual Integrations
APPROVED

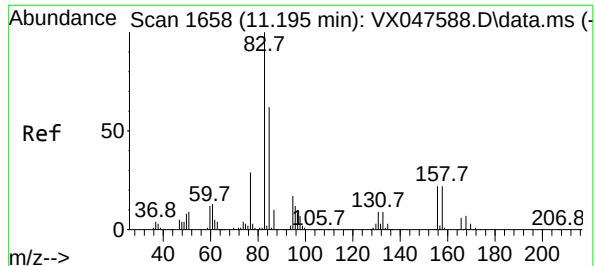
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#74
N-ethyl acetate
Concen: 53.710 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 237846
Ion Ratio Lower Upper
43 100
70 40.0 32.0 48.0
55 23.6 18.9 28.3
61 23.5 18.8 28.2





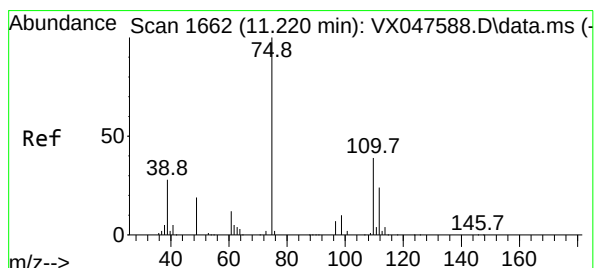
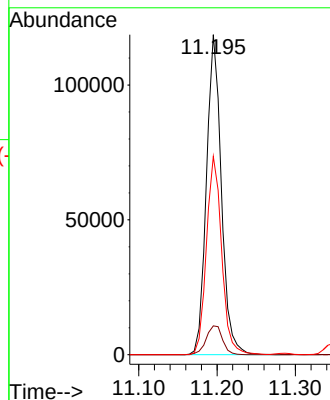
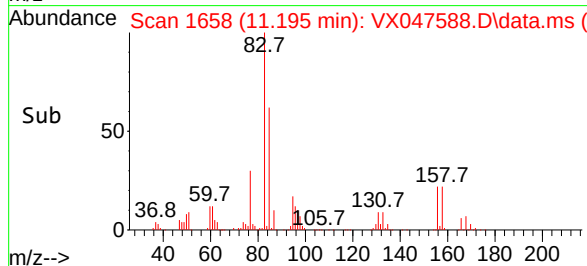
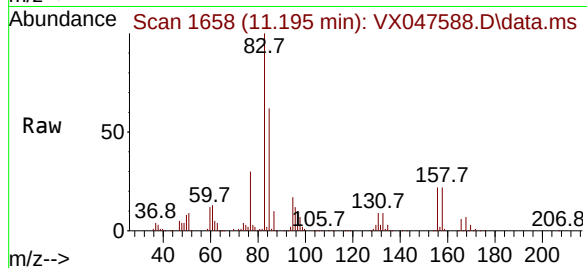
#75
1,1,2,2-Tetrachloroethane
Concen: 53.251 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 156454
Ion Ratio Lower Upper
83 100
131 9.9 5.0 14.9
85 63.3 31.6 95.0

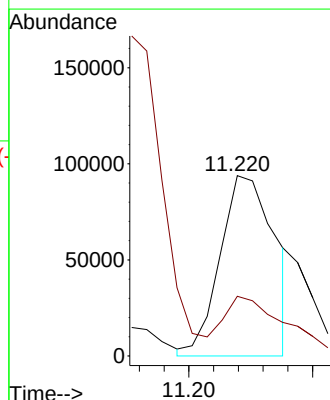
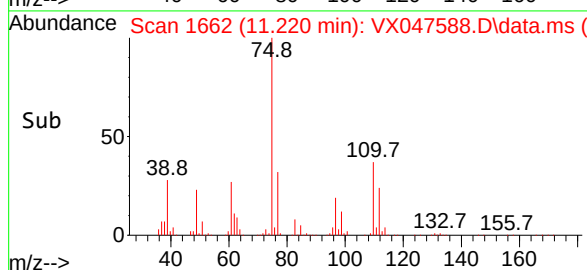
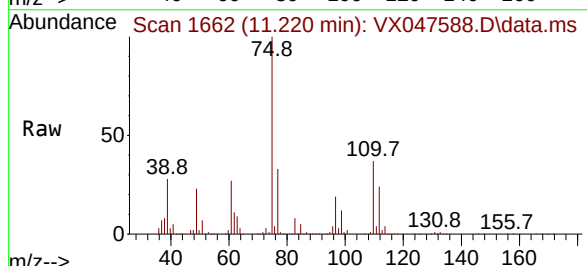
Manual Integrations
APPROVED

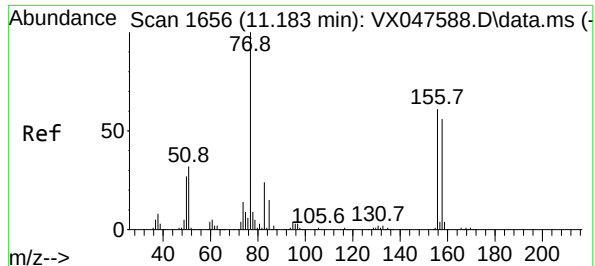
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#76
1,2,3-Trichloropropane
Concen: 54.322 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 144074
Ion Ratio Lower Upper
75 100
77 37.6 18.8 56.4





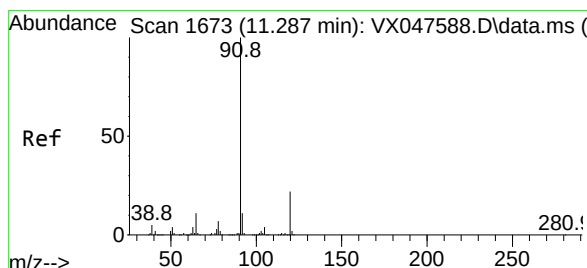
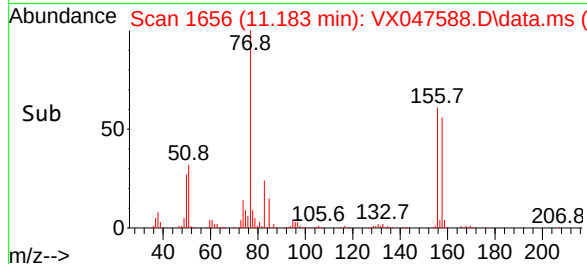
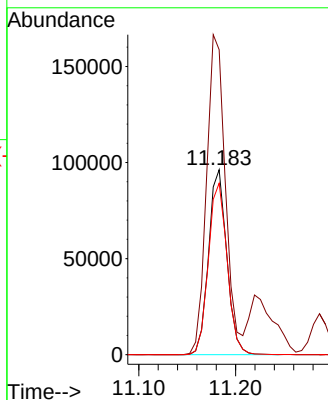
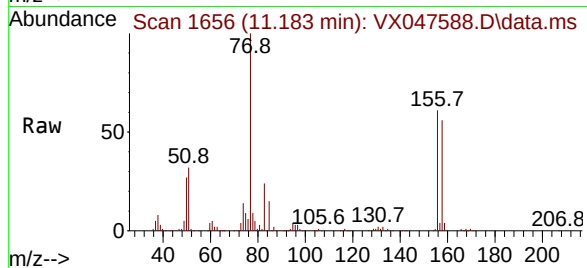
#77
Bromobenzene
Concen: 52.754 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 156 Resp: 126174
Ion Ratio Lower Upper
156 100
77 179.4 89.7 269.1
158 95.7 47.9 143.6

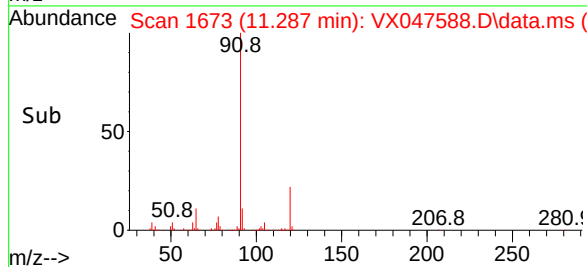
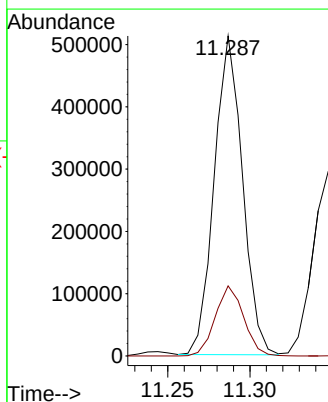
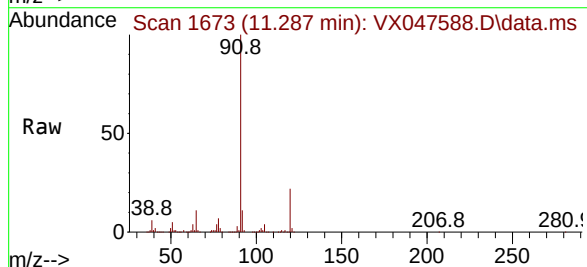
Manual Integrations
APPROVED

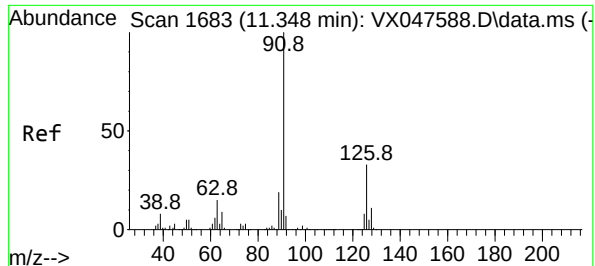
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#78
n-propylbenzene
Concen: 53.315 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 612035
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.1





#79

2-Chlorotoluene

Concen: 52.965 ug/l

RT: 11.348 min Scan# 1683

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 37239

Ion Ratio Lower Upper

91 100

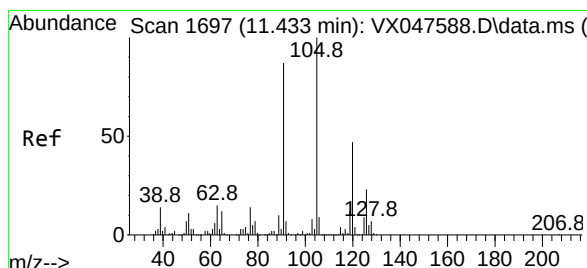
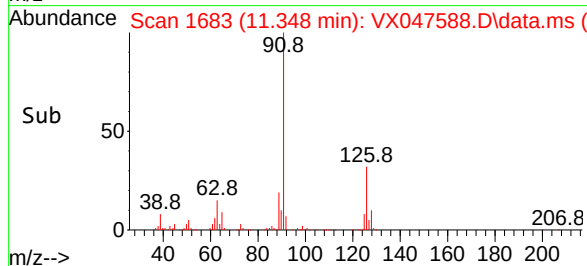
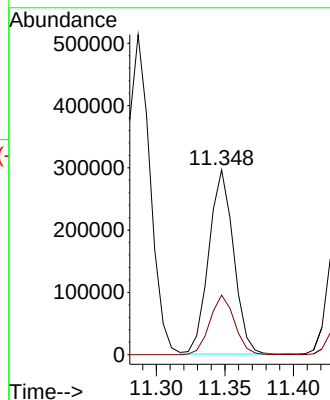
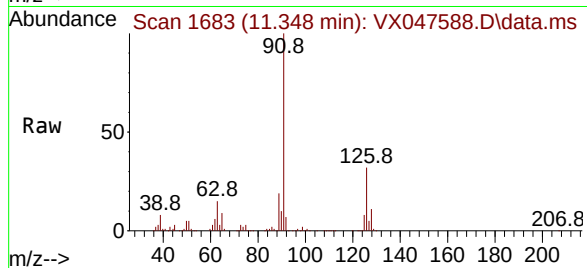
126 32.2 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#80

1,3,5-Trimethylbenzene

Concen: 53.518 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VX047588.D

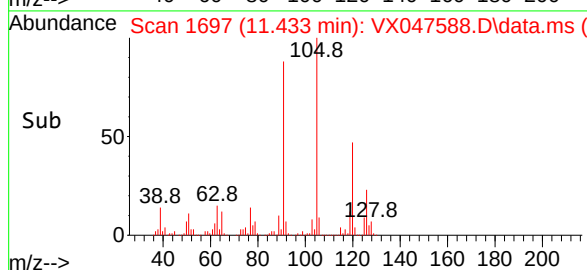
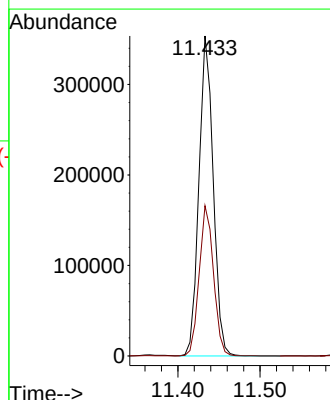
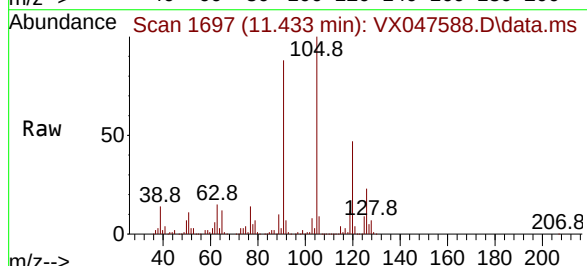
Acq: 16 Sep 2025 10:58

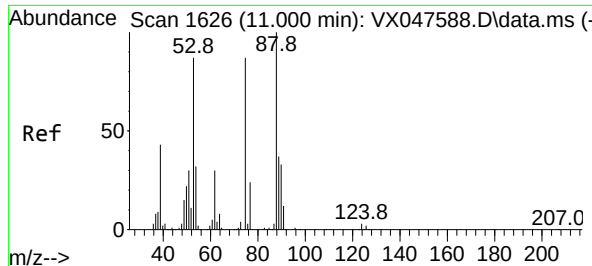
Tgt Ion:105 Resp: 426989

Ion Ratio Lower Upper

105 100

120 47.2 23.6 70.8





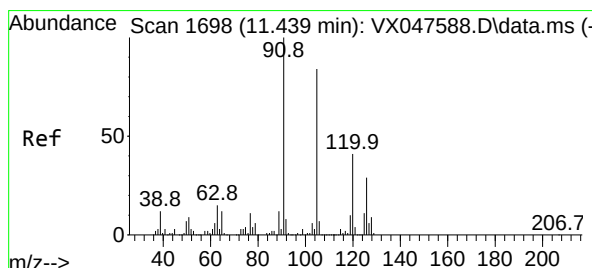
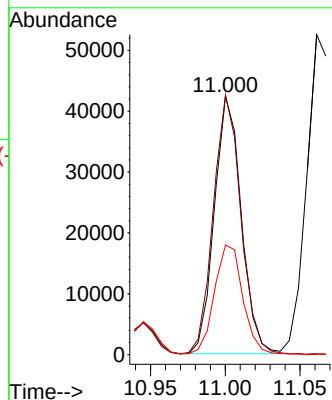
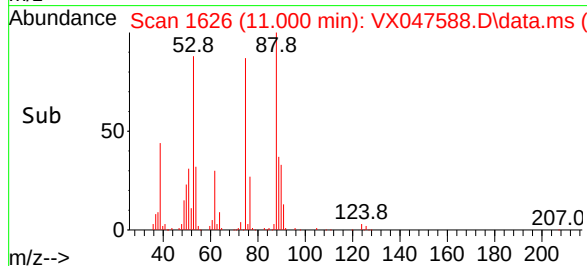
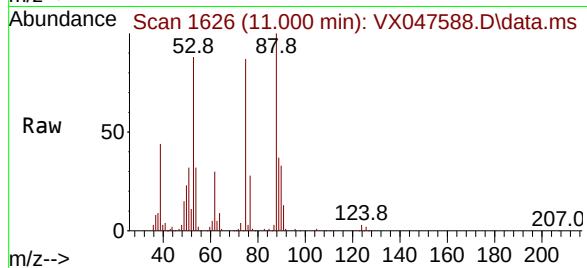
#81
trans-1,4-Dichloro-2-butene
Concen: 52.190 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 5292
Ion Ratio Lower Upper
75 100
53 104.3 83.4 125.2
89 45.4 36.3 54.5

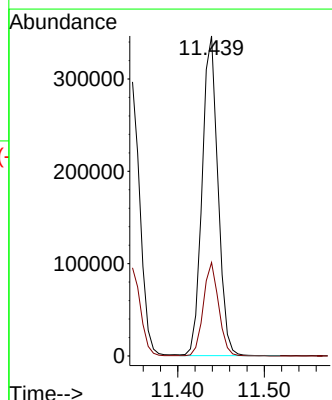
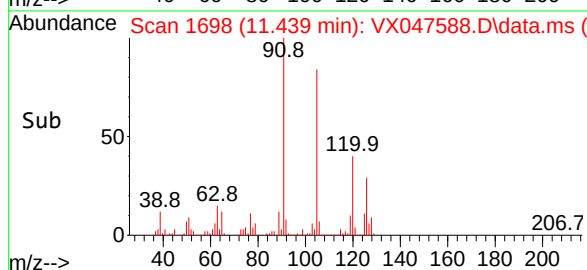
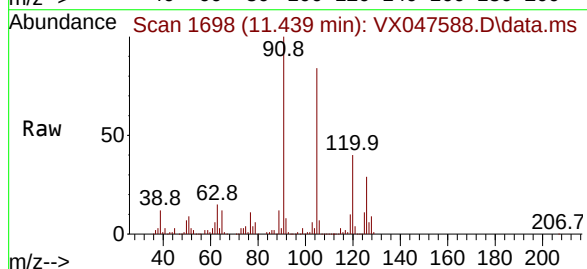
Manual Integrations
APPROVED

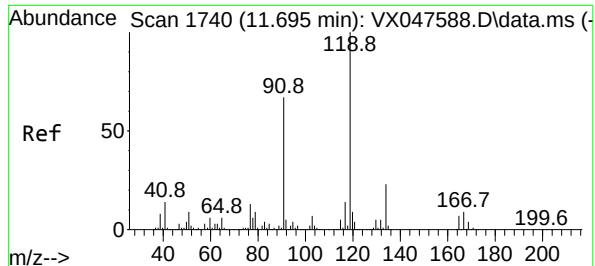
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#82
4-Chlorotoluene
Concen: 52.806 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 438502
Ion Ratio Lower Upper
91 100
126 28.4 14.2 42.6





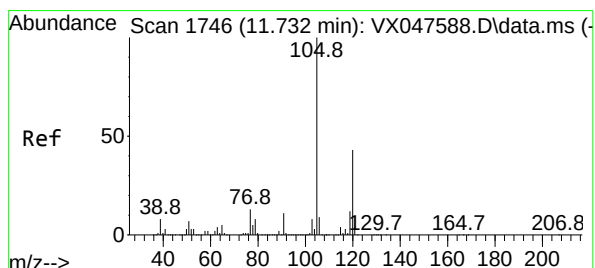
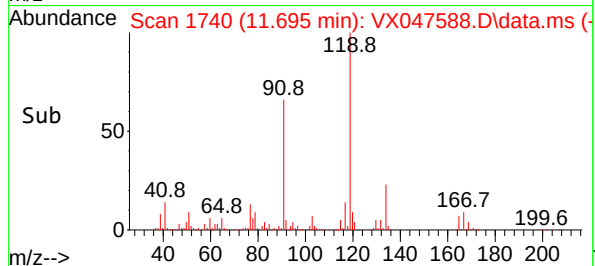
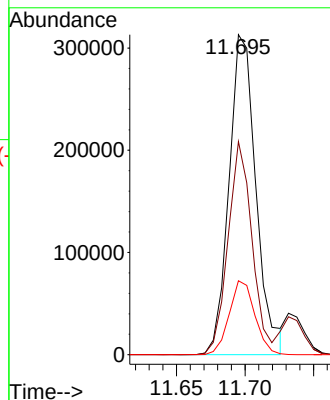
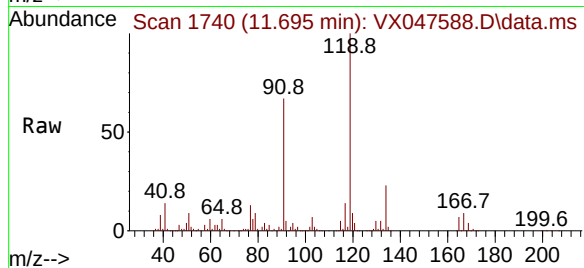
#83
tert-Butylbenzene
Concen: 52.539 ug/l
RT: 11.695 min Scan# 1740
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 42910
Ion Ratio Lower Upper
119 100
91 59.2 29.6 88.8
134 22.0 11.0 33.0

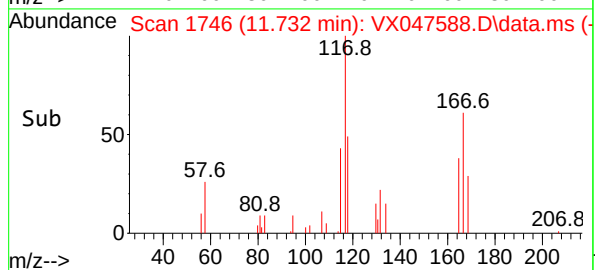
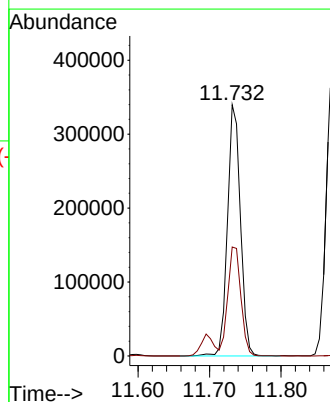
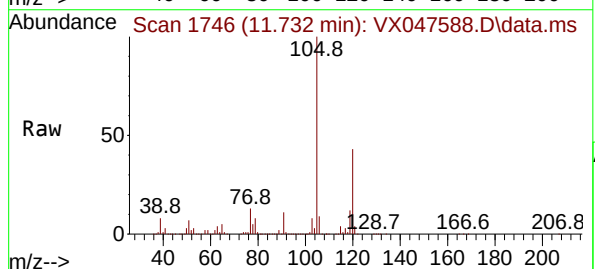
Manual Integrations
APPROVED

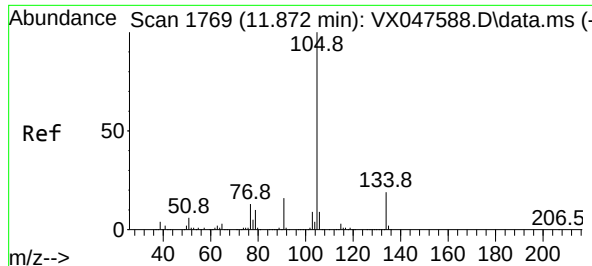
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#84
1,2,4-Trimethylbenzene
Concen: 52.798 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 427073
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.1





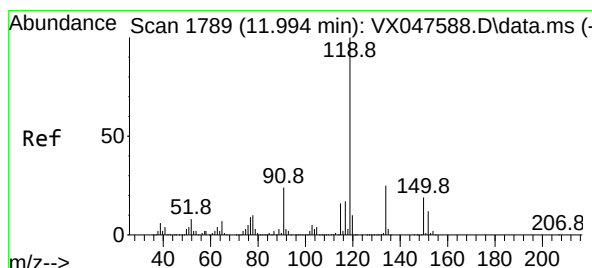
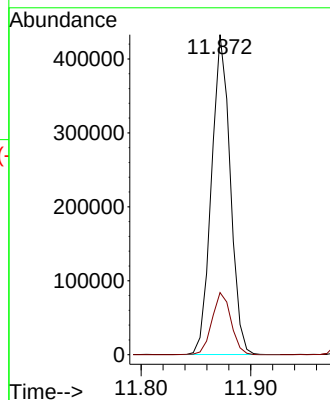
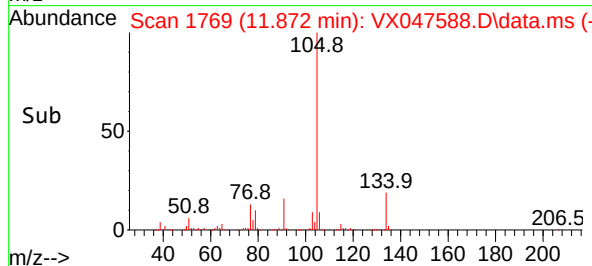
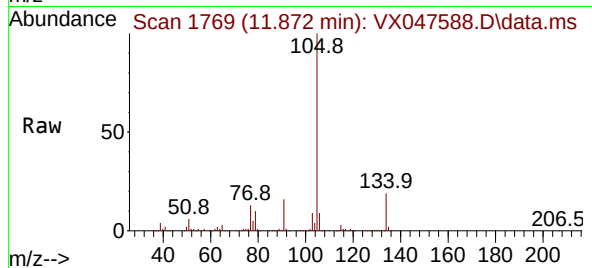
#85
sec-Butylbenzene
Concen: 53.029 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 51444
Ion Ratio Lower Upper
105 100
134 19.7 9.8 29.5

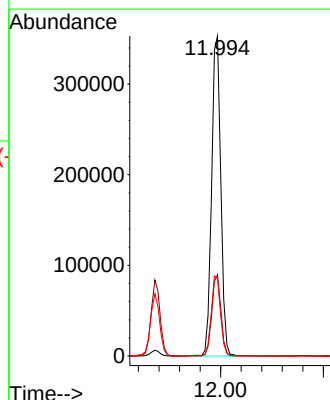
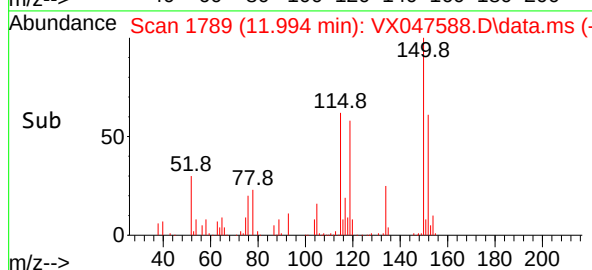
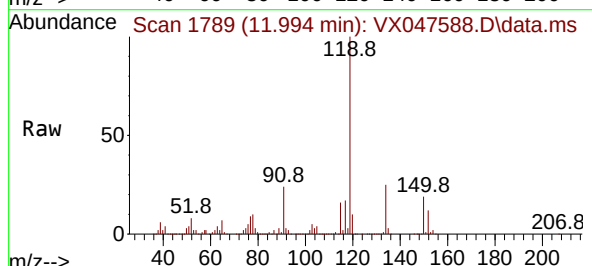
Manual Integrations
APPROVED

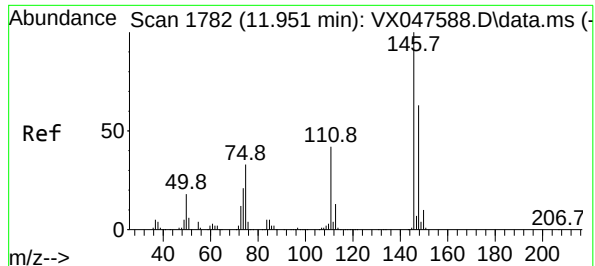
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#86
p-Isopropyltoluene
Concen: 53.172 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:119 Resp: 436704
Ion Ratio Lower Upper
119 100
134 25.2 12.6 37.8
91 25.1 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 52.232 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 232038

Ion Ratio Lower Upper

146 100

111 43.0 21.5 64.5

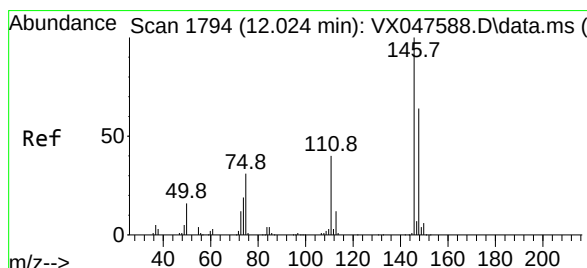
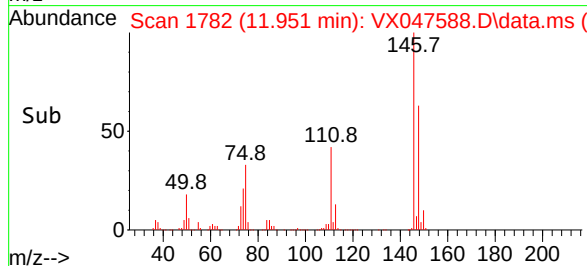
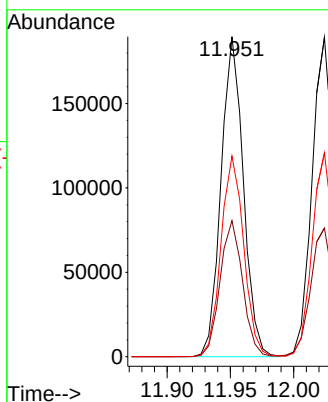
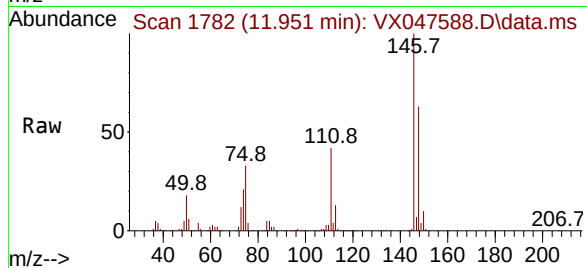
148 64.0 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#88

1,4-Dichlorobenzene

Concen: 51.316 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

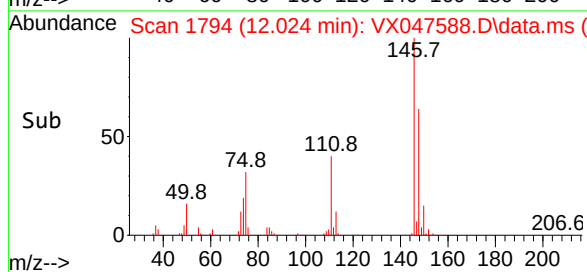
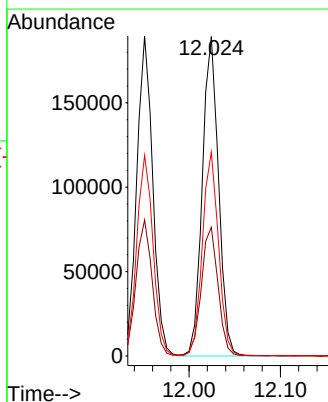
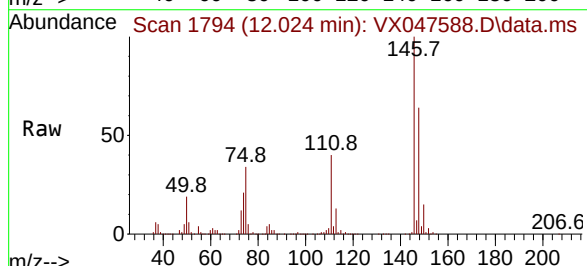
Tgt Ion:146 Resp: 233975

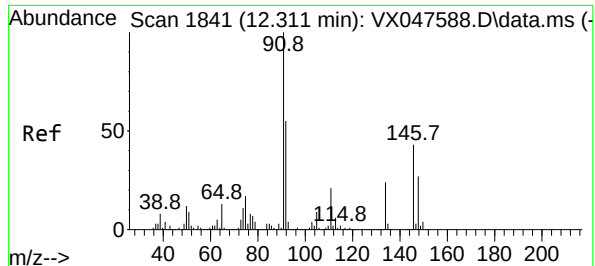
Ion Ratio Lower Upper

146 100

111 41.6 20.8 62.4

148 63.4 31.7 95.1





#89

n-Butylbenzene

Concen: 52.766 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

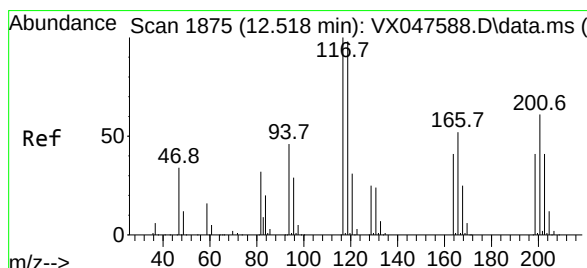
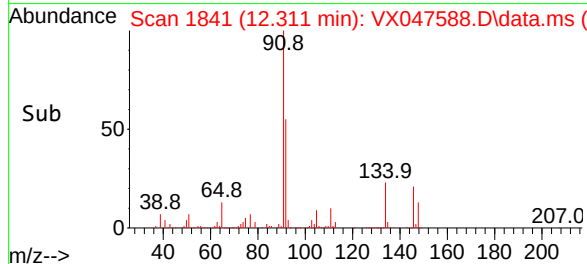
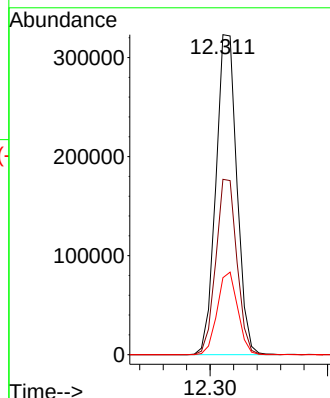
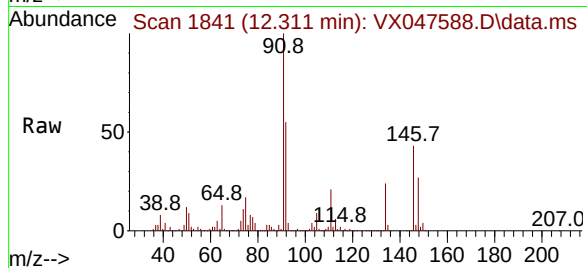
VSTDICCC050

Tgt Ion:	91	Resp:	40099
Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.6	82.7
134	25.2	12.6	37.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#90

Hexachloroethane

Concen: 52.567 ug/l

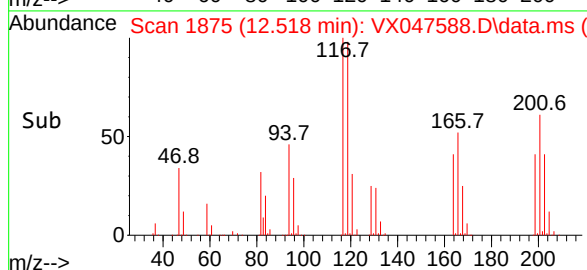
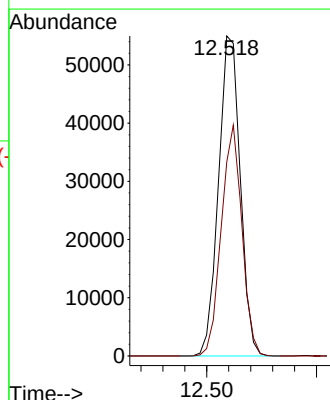
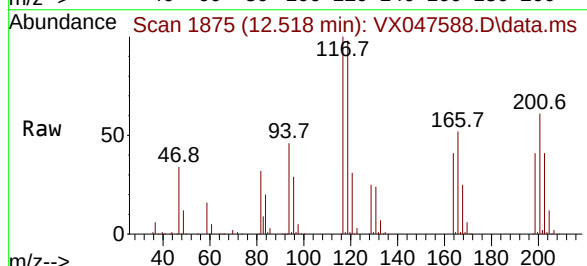
RT: 12.518 min Scan# 1875

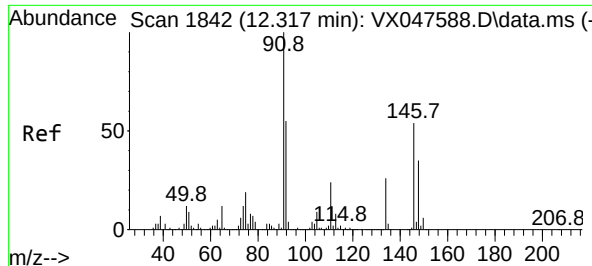
Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Tgt Ion:	117	Resp:	75800
Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.2	102.5





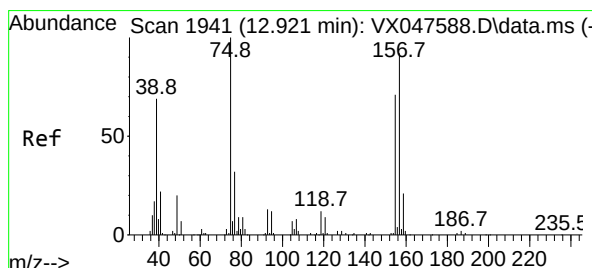
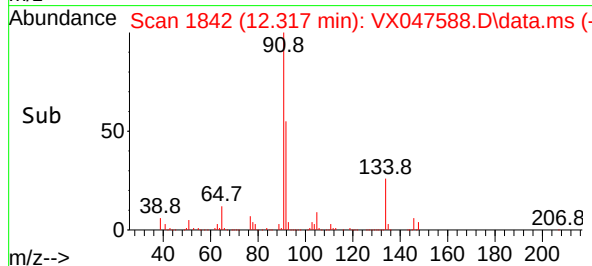
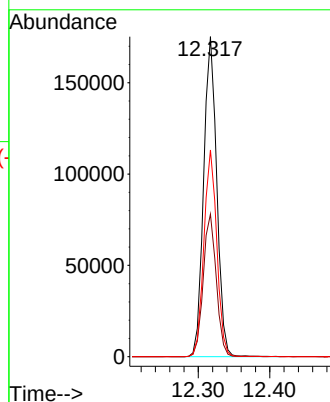
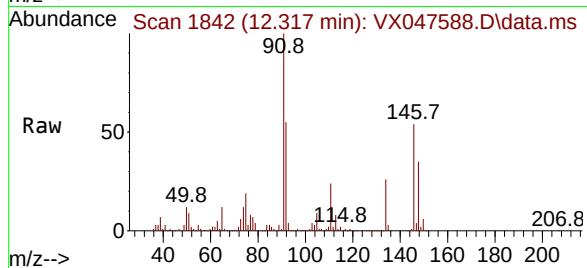
#91
1,2-Dichlorobenzene
Concen: 52.688 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 22299
Ion Ratio Lower Upper
146 100
111 44.4 22.2 66.6
148 63.6 31.8 95.4

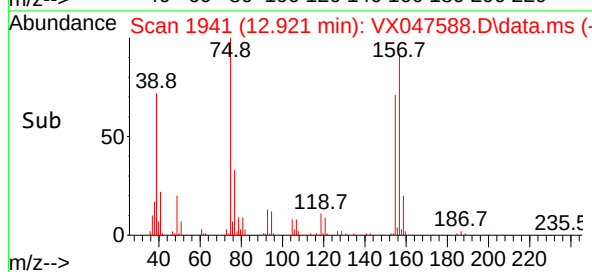
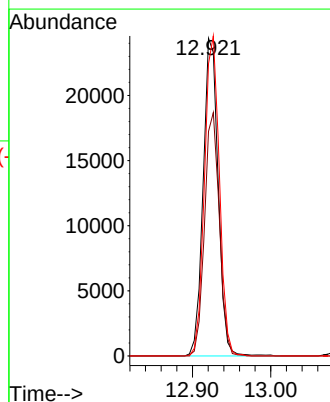
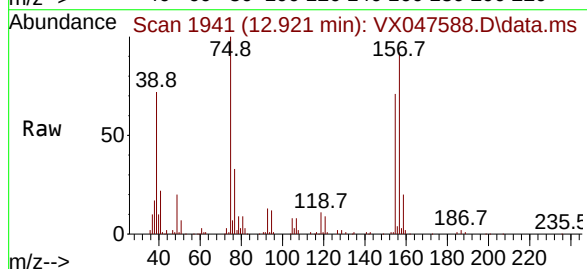
Manual Integrations
APPROVED

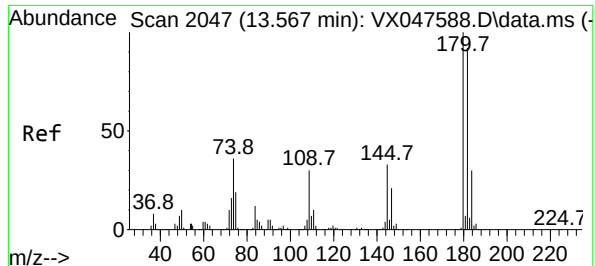
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 54.554 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 32451
Ion Ratio Lower Upper
75 100
155 75.4 37.7 113.1
157 99.6 49.8 149.4





#93

1,2,4-Trichlorobenzene

Concen: 53.685 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

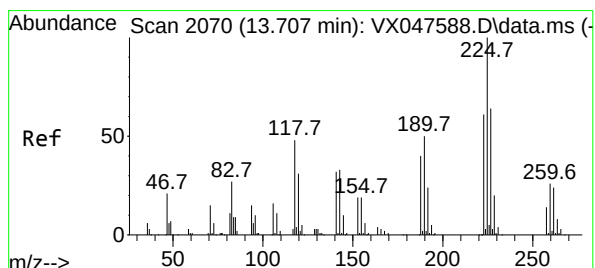
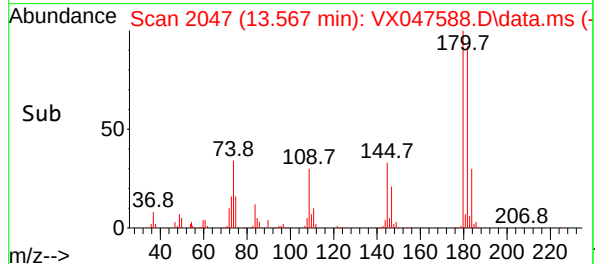
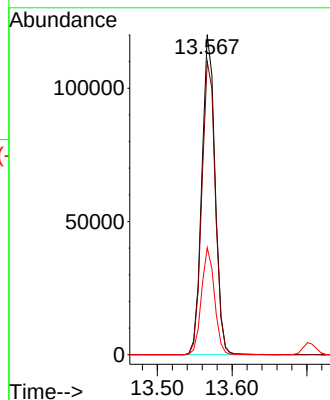
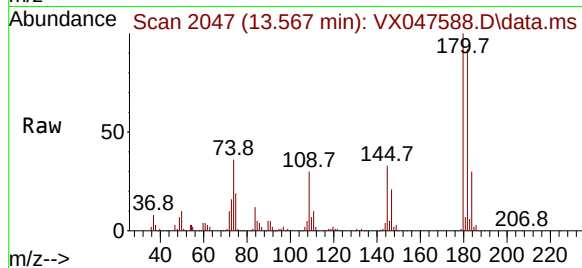
Tgt Ion:	180	Resp:	147670
Ion Ratio	Lower	Upper	
180	100		
182	93.2	46.6	139.8
145	32.7	16.4	49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#94

Hexachlorobutadiene

Concen: 52.510 ug/l

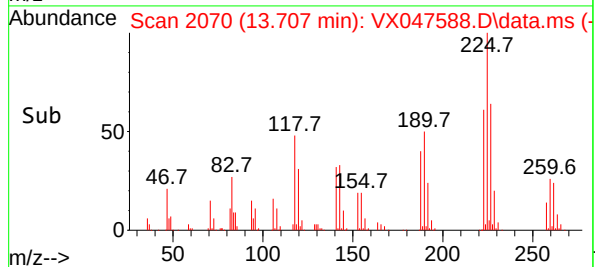
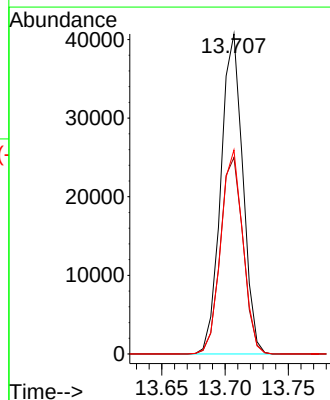
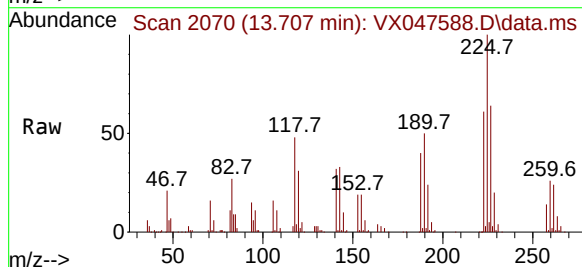
RT: 13.707 min Scan# 2070

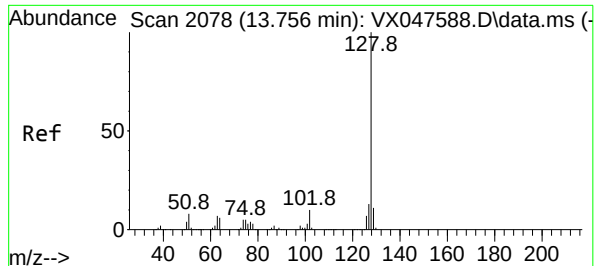
Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Tgt Ion:	225	Resp:	49061
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.7	95.1
227	64.0	32.0	96.0





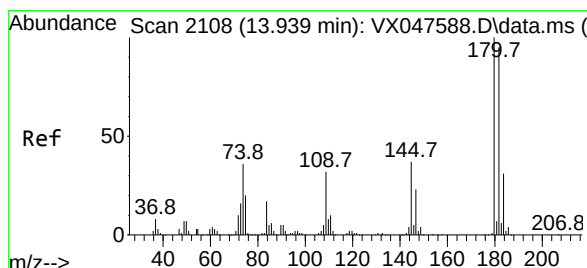
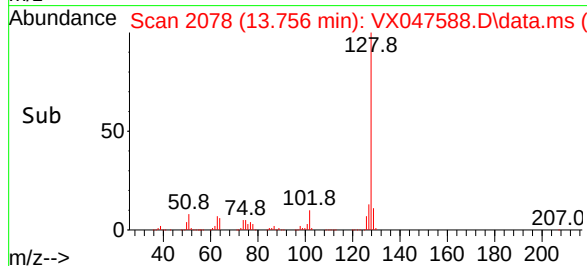
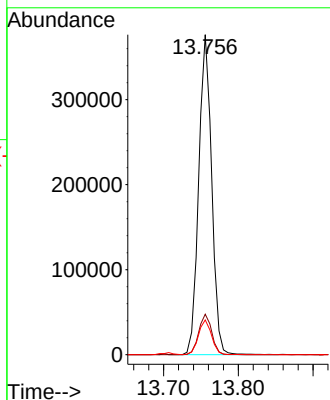
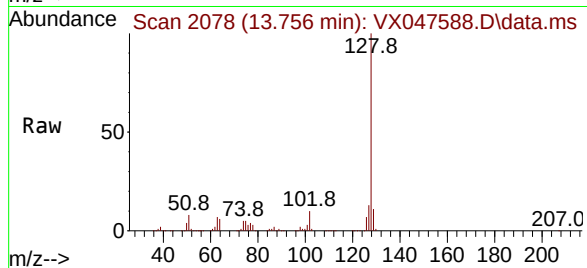
#95
Naphthalene
Concen: 53.966 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 45201
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 11.0 8.8 13.2

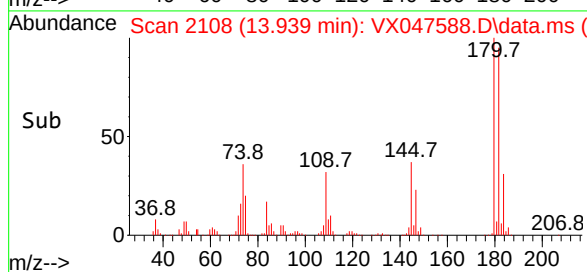
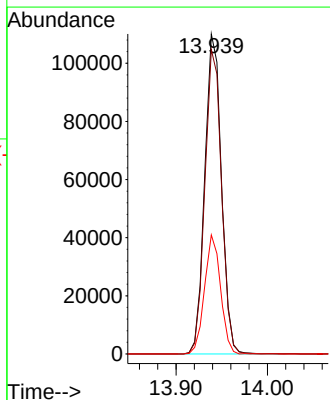
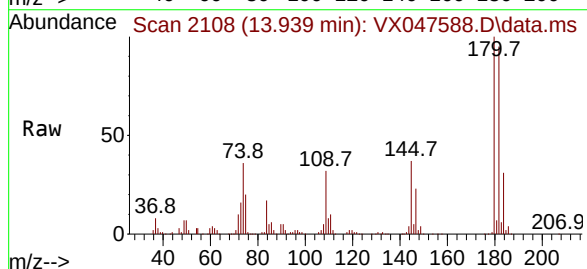
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 54.316 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:180 Resp: 138978
Ion Ratio Lower Upper
180 100
182 95.2 47.6 142.8
145 35.8 17.9 53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047589.D
 Acq On : 16 Sep 2025 11:40
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 17 06:15:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	169280	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	298913	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	275758	102.341	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 204.680%#			
35) Dibromofluoromethane	5.361	113	212419	105.962	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 211.920%#			
50) Toluene-d8	8.629	98	724078	104.386	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 208.780%#			
62) 4-Bromofluorobenzene	11.061	95	270289	102.672	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 205.340%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	172727	98.537	ug/l	100
3) Chloromethane	1.301	50	229165	99.472	ug/l	100
4) Vinyl Chloride	1.380	62	229175	101.621	ug/l	100
5) Bromomethane	1.611	94	143113	100.076	ug/l	99
6) Chloroethane	1.691	64	152487	101.167	ug/l	99
7) Trichlorofluoromethane	1.892	101	344488	102.878	ug/l	100
8) Diethyl Ether	2.130	74	142038	103.695	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	199843	102.067	ug/l	99
10) Methyl Iodide	2.453	142	313092	102.531	ug/l	99
11) Tert butyl alcohol	2.947	59	152108	506.863	ug/l	98
12) 1,1-Dichloroethene	2.319	96	206097	102.473	ug/l	93
13) Acrolein	2.233	56	150793	545.276	ug/l	97
14) Allyl chloride	2.660	41	415140	100.028	ug/l	99
15) Acrylonitrile	3.056	53	581240	522.897	ug/l	100
16) Acetone	2.374	43	510542	435.772	ug/l	100
17) Carbon Disulfide	2.514	76	537888	97.693	ug/l	98
18) Methyl Acetate	2.697	43	292867	112.324	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	748952	102.011	ug/l	100
20) Methylene Chloride	2.782	84	242548	97.805	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	217759	100.566	ug/l	98
22) Diisopropyl ether	3.745	45	811840	100.934	ug/l	88
23) Vinyl Acetate	3.709	43	3314707	514.916	ug/l	99
24) 1,1-Dichloroethane	3.599	63	435815	101.944	ug/l	98
25) 2-Butanone	4.532	43	700827	479.558	ug/l	97
26) 2,2-Dichloropropane	4.465	77	357292	100.542	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	266550	100.516	ug/l	100
28) Bromochloromethane	4.873	49	198788	106.512	ug/l	99
29) Tetrahydrofuran	4.977	42	443530	504.502	ug/l	99
30) Chloroform	5.074	83	433937	100.447	ug/l	100
31) Cyclohexane	5.452	56	332995	93.523	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	372323	101.607	ug/l	99
36) 1,1-Dichloropropene	5.672	75	281650	96.149	ug/l	98
37) Ethyl Acetate	4.690	43	318793	101.641	ug/l	99
38) Carbon Tetrachloride	5.660	117	314745	98.891	ug/l	98
39) Methylcyclohexane	7.360	83	327858	98.600	ug/l	98
40) Benzene	6.019	78	880885	99.009	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047589.D
 Acq On : 16 Sep 2025 11:40
 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 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:15:00 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M

Quant Title : SW846 8260

QLast Update : Wed Sep 17 06:04:35 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	168753	104.220	ug/l	99
42) 1,2-Dichloroethane	6.062	62	331465	97.916	ug/l	100
43) Isopropyl Acetate	6.318	43	516875	100.482	ug/l	99
44) Trichloroethene	7.104	130	217753	101.234	ug/l	96
45) 1,2-Dichloropropane	7.409	63	228150	100.145	ug/l	100
46) Dibromomethane	7.562	93	164987	99.519	ug/l	99
47) Bromodichloromethane	7.806	83	345991	101.136	ug/l	98
48) Methyl methacrylate	7.671	41	260358	101.612	ug/l	100
49) 1,4-Dioxane	7.641	88	56717	2190.315	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	1431253	501.834	ug/l	100
52) Toluene	8.702	92	536148	97.811	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	355881	101.986	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	380577	102.038	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	205939	97.434	ug/l	97
56) Ethyl methacrylate	9.098	69	346659	104.435	ug/l	99
57) 1,3-Dichloropropane	9.293	76	362848	99.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	836362	499.814	ug/l	100
59) 2-Hexanone	9.415	43	996274	486.380	ug/l	100
60) Dibromochloromethane	9.506	129	251394	103.226	ug/l	99
61) 1,2-Dibromoethane	9.592	107	217751	101.147	ug/l	100
64) Tetrachloroethene	9.256	164	165559	98.284	ug/l	98
65) Chlorobenzene	10.061	112	588517	100.253	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	208621	102.988	ug/l	100
67) Ethyl Benzene	10.177	91	1031346	101.823	ug/l	100
68) m/p-Xylenes	10.287	106	763898	202.624	ug/l	99
69) o-Xylene	10.622	106	372621	102.186	ug/l	99
70) Styrene	10.634	104	649863	101.710	ug/l	100
71) Bromoform	10.781	173	161188	106.566	ug/l	98
73) Isopropylbenzene	10.945	105	954900	102.768	ug/l	100
74) N-amyl acetate	10.823	43	448344	105.812	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	281608	100.172	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	229521m	90.444	ug/l	
77) Bromobenzene	11.183	156	234666	102.541	ug/l	98
78) n-propylbenzene	11.287	91	1119728	101.941	ug/l	99
79) 2-Chlorotoluene	11.348	91	683867	101.652	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	787327	103.134	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	102555	105.689	ug/l	98
82) 4-Chlorotoluene	11.433	91	802929	101.054	ug/l	100
83) tert-Butylbenzene	11.695	119	791896	101.333	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	790557	102.144	ug/l	99
85) sec-Butylbenzene	11.872	105	945321	101.840	ug/l	100
86) p-Isopropyltoluene	11.994	119	797643	101.501	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	432248	101.689	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	431839	98.985	ug/l	100
89) n-Butylbenzene	12.311	91	757239	104.138	ug/l	99
90) Hexachloroethane	12.518	117	148048	107.304	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	414491	102.352	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	61029	107.225	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	278777	105.922	ug/l	100
94) Hexachlorobutadiene	13.707	225	92124	103.049	ug/l	99
95) Naphthalene	13.756	128	854492	106.620	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	263512	107.633	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

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\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

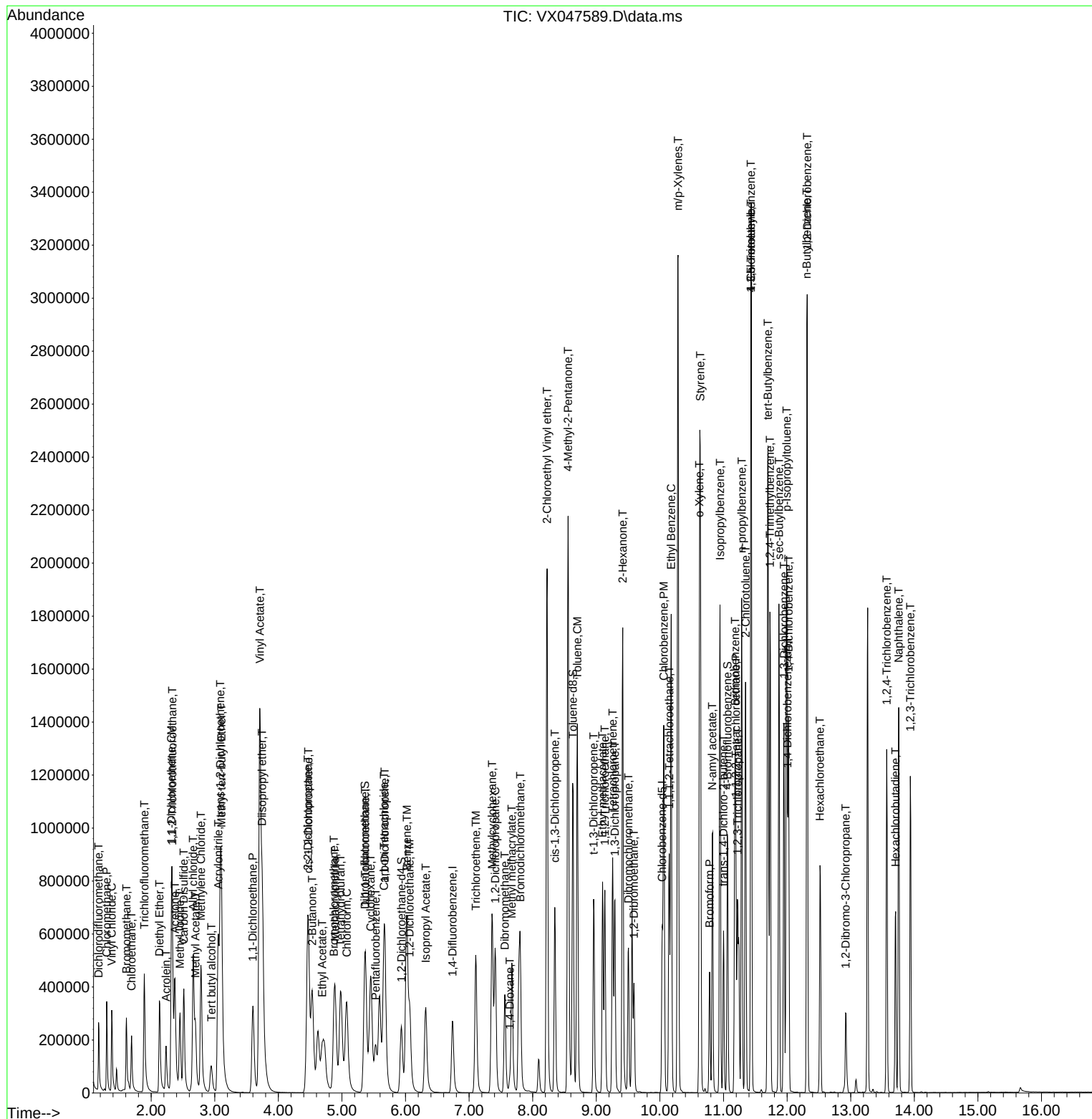
Manual Integrations

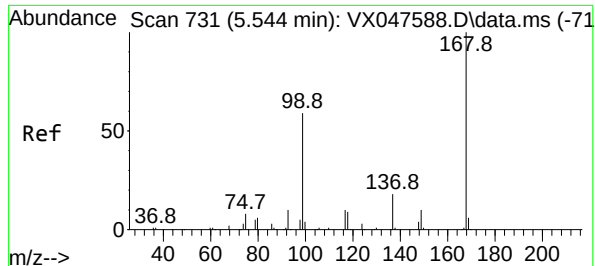
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 71

Delta R.T. -0.012 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:168 Resp: 169280

Ion Ratio Lower Upper

168 100

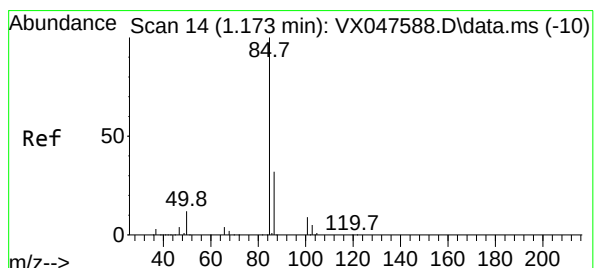
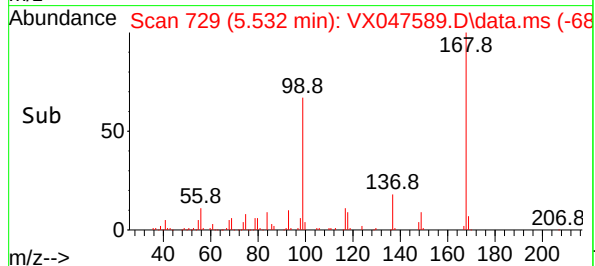
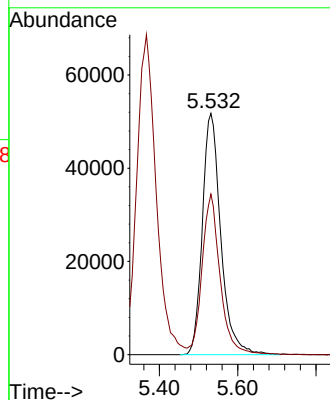
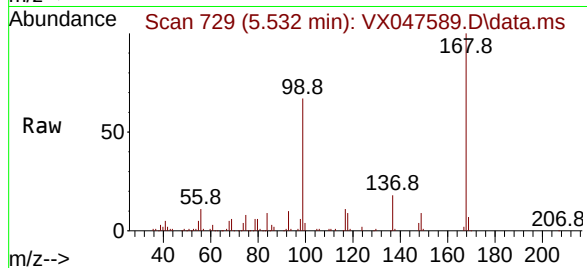
99 66.4 48.8 73.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#2

Dichlorodifluoromethane

Concen: 98.537 ug/l

RT: 1.173 min Scan# 14

Delta R.T. -0.000 min

Lab File: VX047589.D

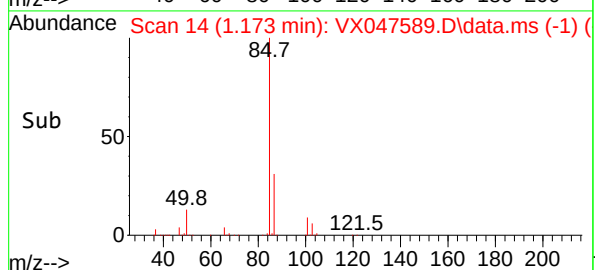
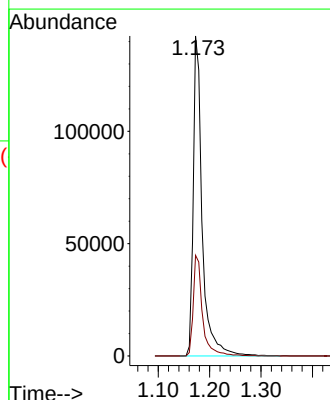
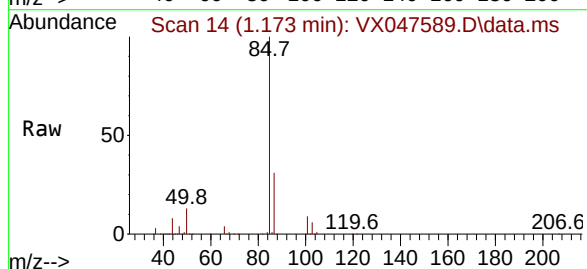
Acq: 16 Sep 2025 11:40

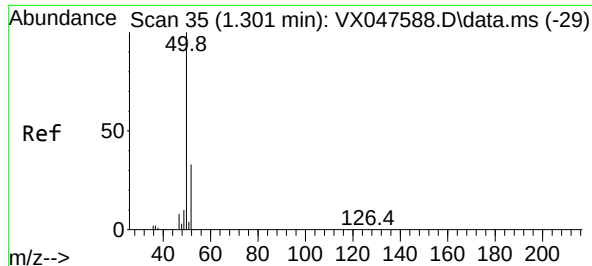
Tgt Ion: 85 Resp: 172727

Ion Ratio Lower Upper

85 100

87 31.4 15.8 47.3





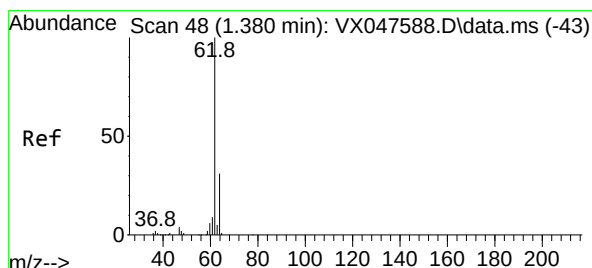
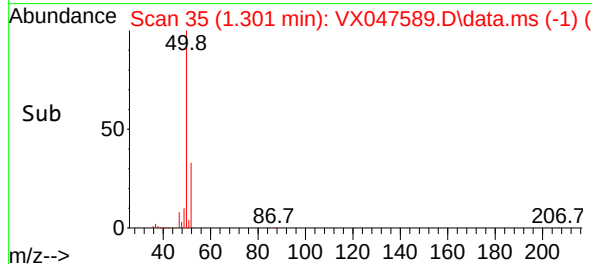
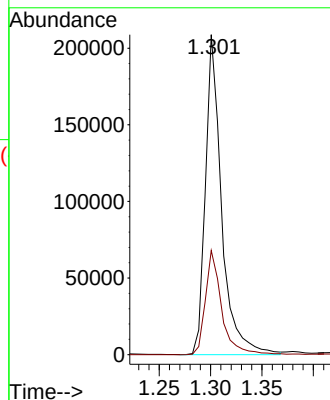
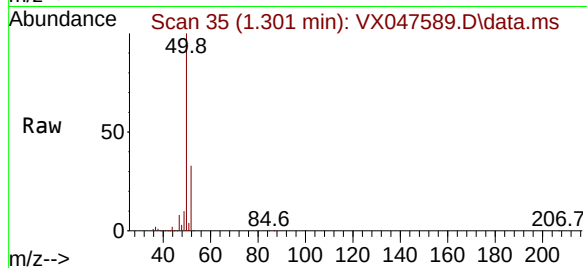
#3
Chloromethane
Concen: 99.472 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 22916
Ion Ratio Lower Upper
50 100
52 32.5 26.1 39.1

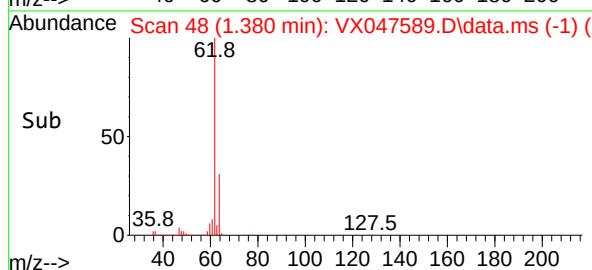
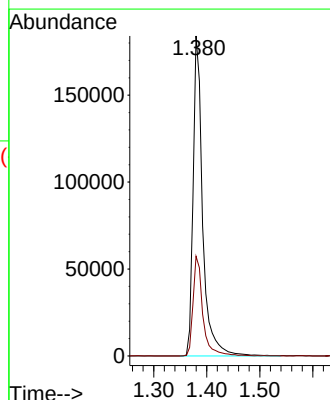
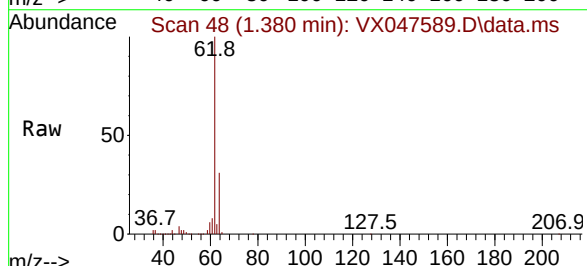
Manual Integrations
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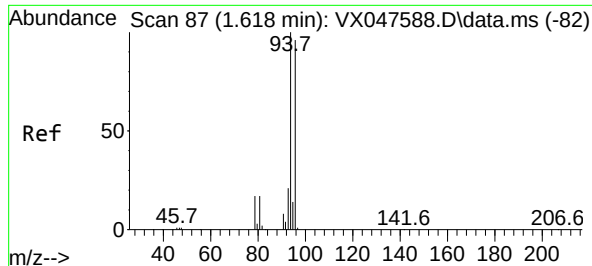
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#4
Vinyl Chloride
Concen: 101.621 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 229175
Ion Ratio Lower Upper
62 100
64 31.1 24.9 37.3





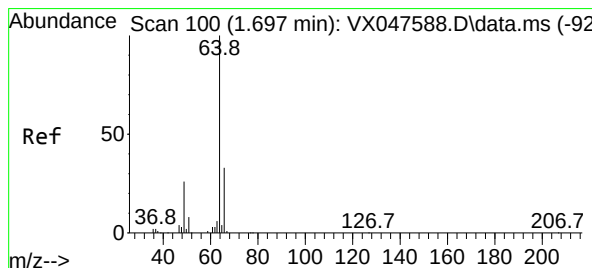
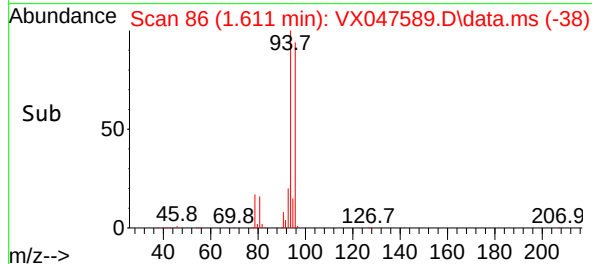
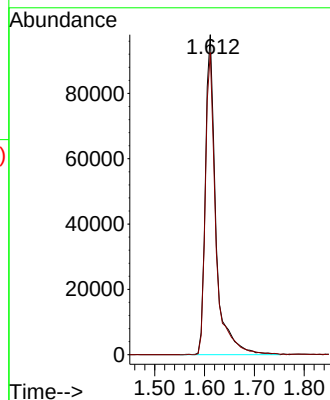
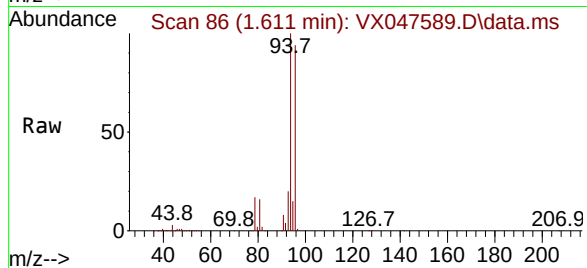
#5
Bromomethane
Concen: 100.076 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 14311
Ion Ratio Lower Upper
94 100
96 94.4 76.6 115.0

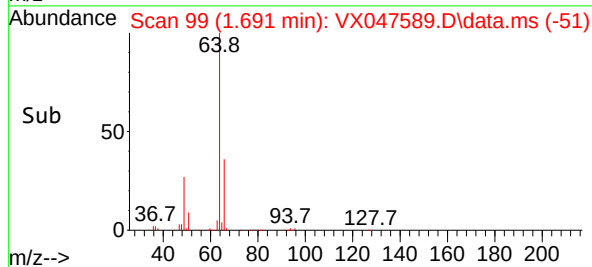
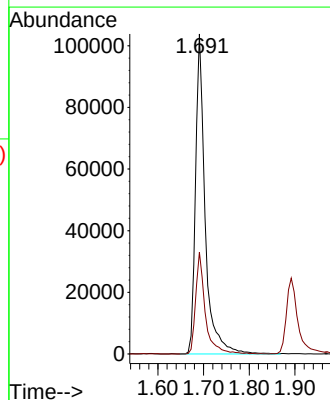
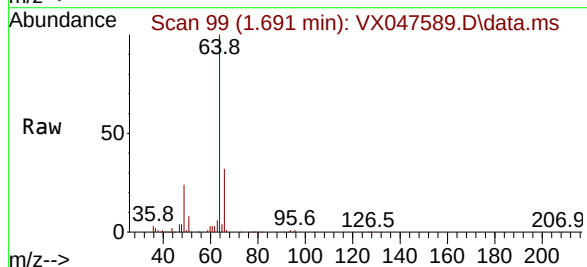
Manual Integrations
APPROVED

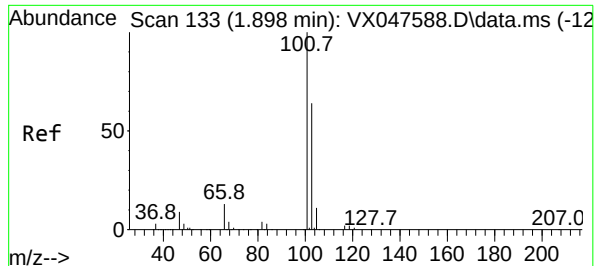
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#6
Chloroethane
Concen: 101.167 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

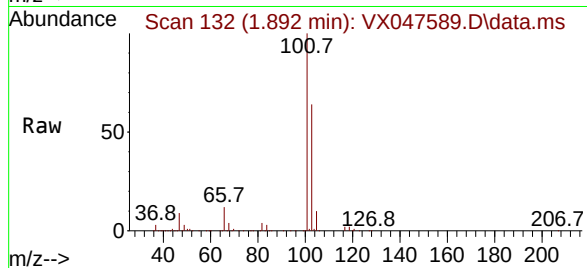
Tgt Ion: 64 Resp: 152487
Ion Ratio Lower Upper
64 100
66 31.8 26.1 39.1





#7
Trichlorofluoromethane
Concen: 102.878 ug/l
RT: 1.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

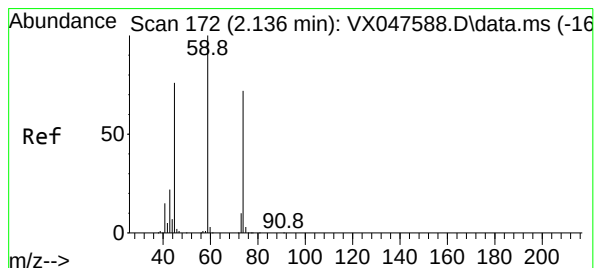
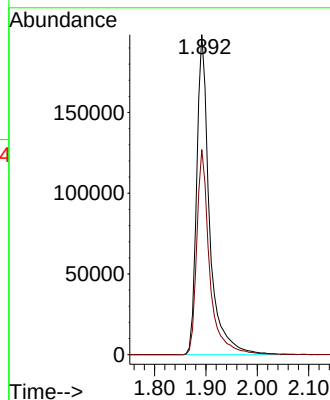
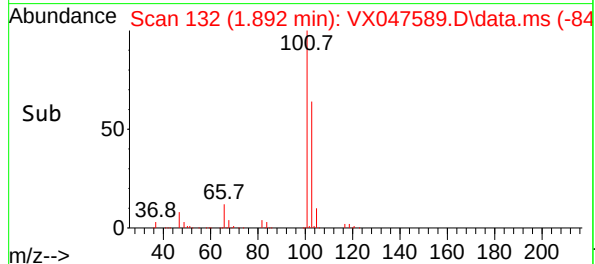
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:101 Resp: 34448
Ion Ratio Lower Upper
101 100
103 64.1 51.4 77.2

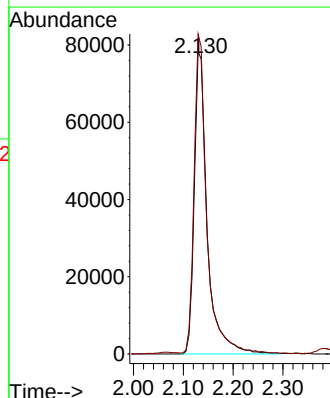
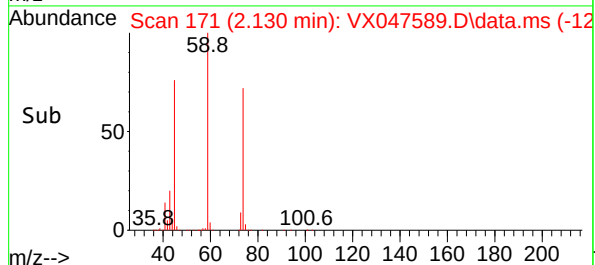
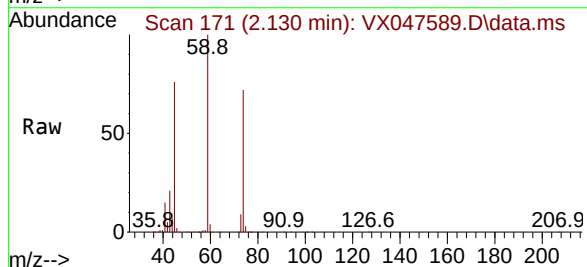
Manual Integrations
APPROVED

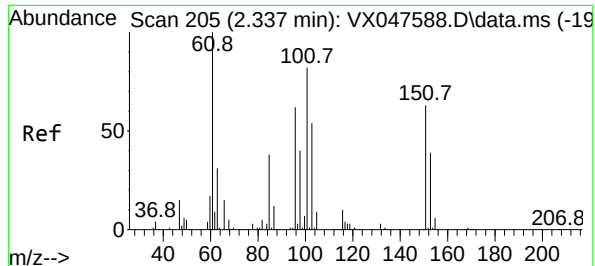
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#8
Diethyl Ether
Concen: 103.695 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 74 Resp: 142038
Ion Ratio Lower Upper
74 100
45 104.6 52.3 156.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.067 ug/l

RT: 2.331 min Scan# 205

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:101 Resp: 19984

Ion Ratio Lower Upper

101 100

85 45.1 35.5 53.3

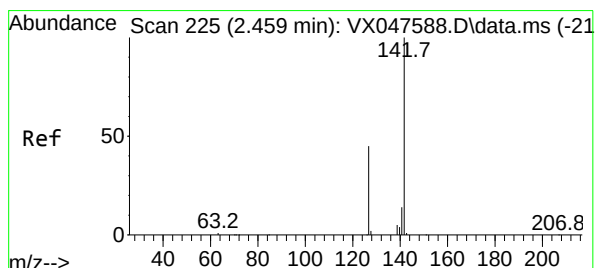
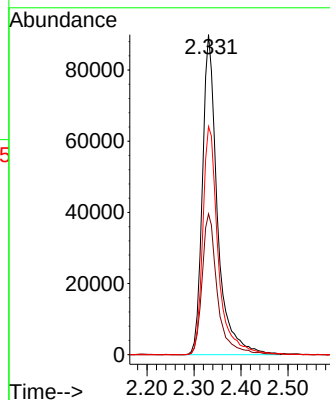
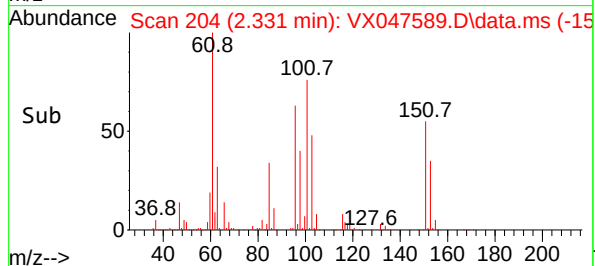
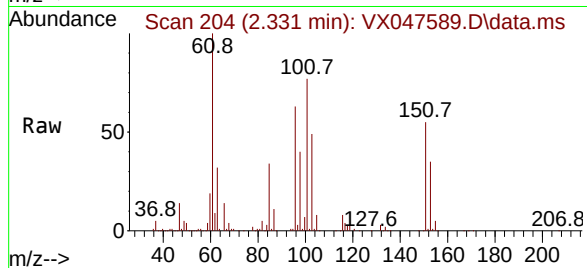
151 73.6 59.4 89.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#10

Methyl Iodide

Concen: 102.531 ug/l

RT: 2.453 min Scan# 224

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

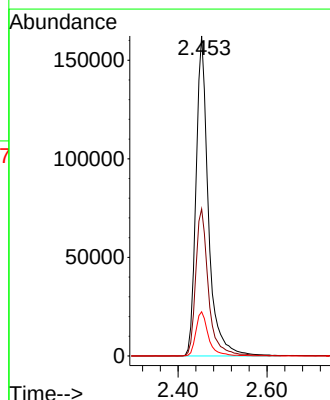
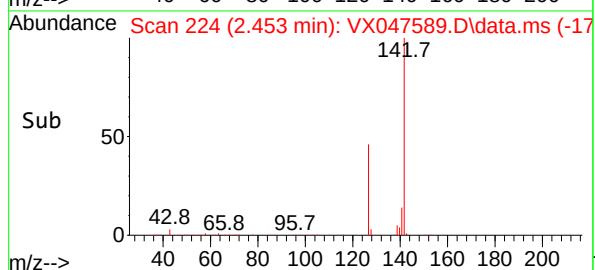
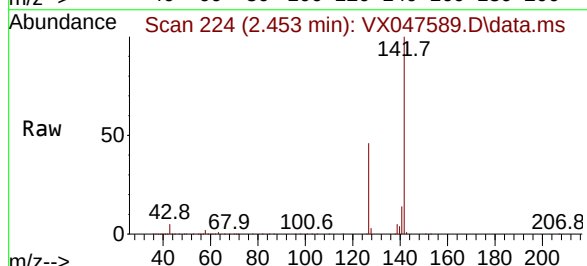
Tgt Ion:142 Resp: 313092

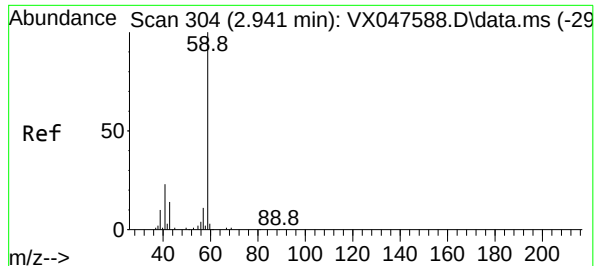
Ion Ratio Lower Upper

142 100

127 47.3 37.2 55.8

141 14.1 11.4 17.0





#11

Tert butyl alcohol

Concen: 506.863 ug/l

RT: 2.947 min Scan# 304

Delta R.T. 0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 152108

Ion Ratio Lower Upper

59 100

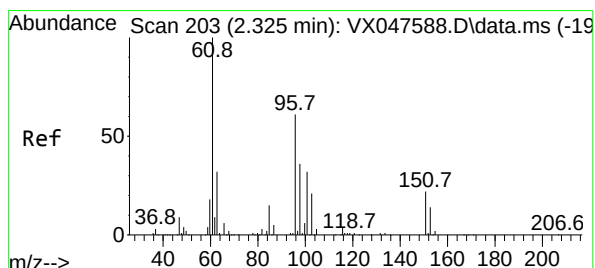
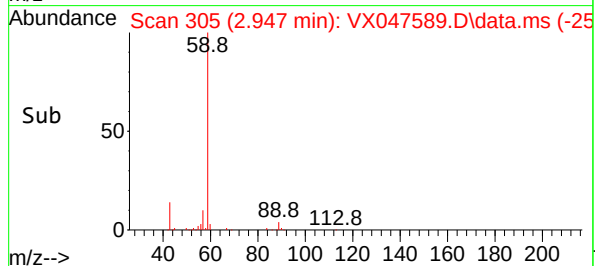
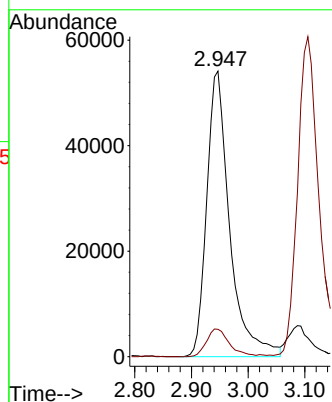
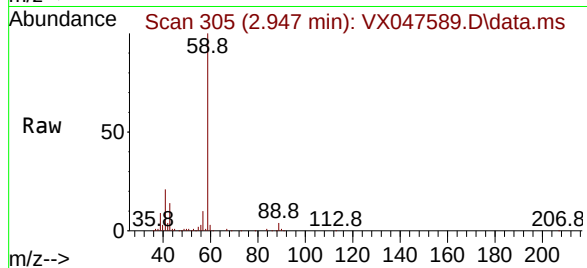
57 9.7 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#12

1,1-Dichloroethene

Concen: 102.473 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

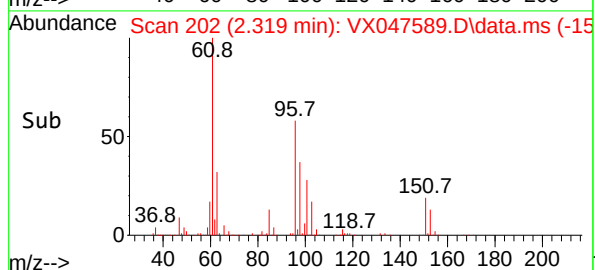
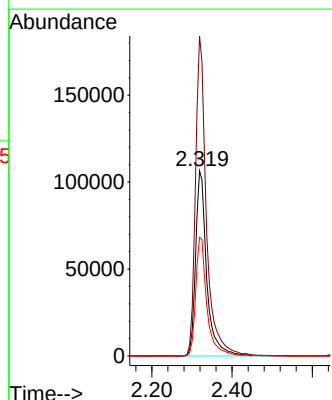
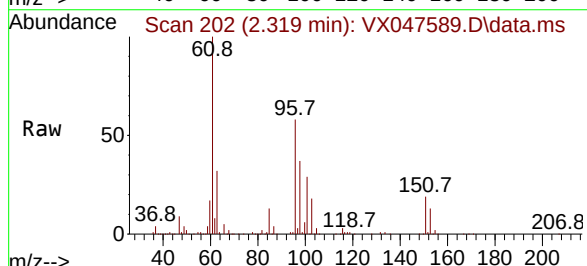
Tgt Ion: 96 Resp: 206097

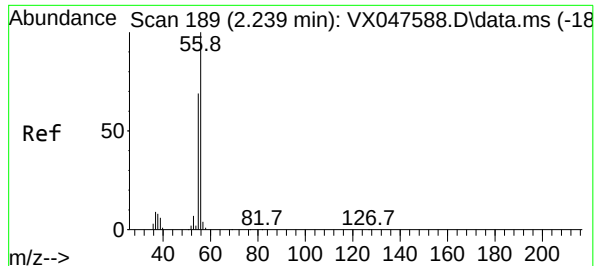
Ion Ratio Lower Upper

96 100

61 172.9 131.0 196.6

98 64.0 47.7 71.5





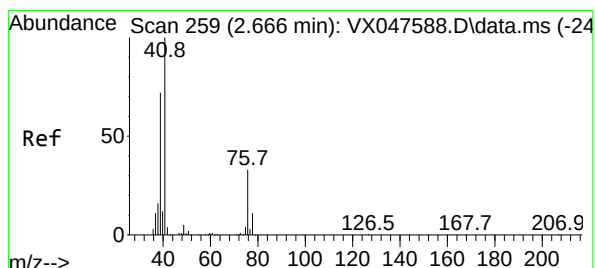
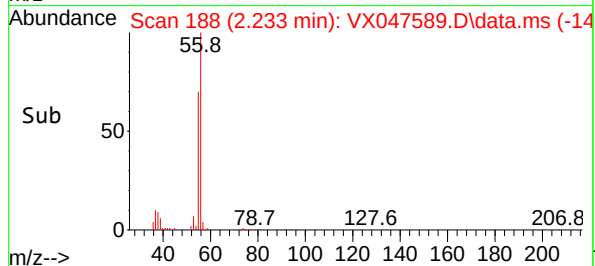
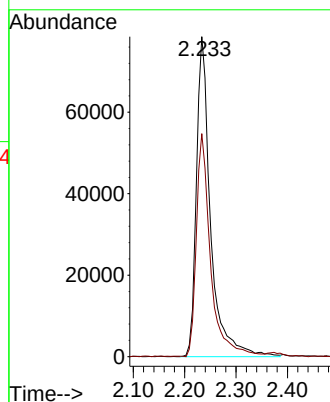
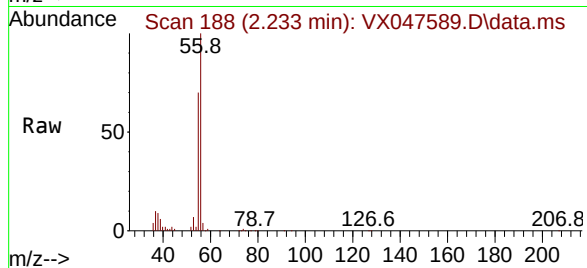
#13
Acrolein
Concen: 545.276 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 15079
Ion Ratio Lower Upper
56 100
55 69.4 57.2 85.8

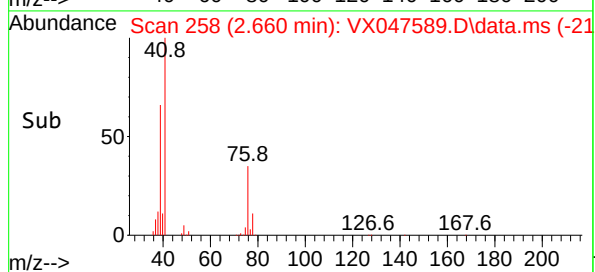
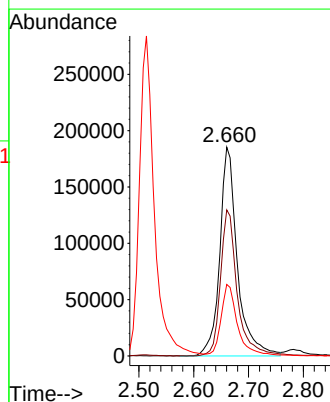
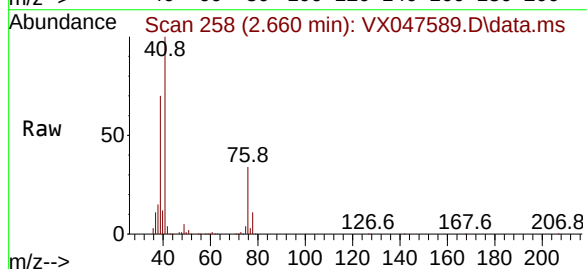
Manual Integrations
APPROVED

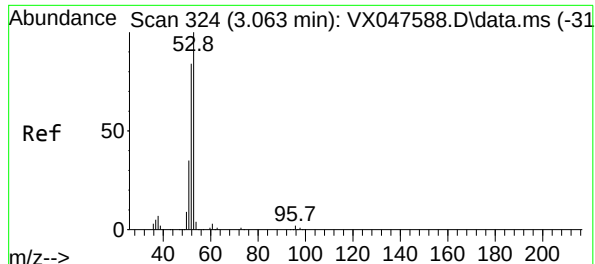
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#14
Allyl chloride
Concen: 100.028 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 415140
Ion Ratio Lower Upper
41 100
39 67.0 54.7 82.1
76 32.2 25.7 38.5





#15

Acrylonitrile

Concen: 522.897 ug/l

RT: 3.056 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 53 Resp: 581240

Ion Ratio Lower Upper

53 100

52 82.9 66.4 99.6

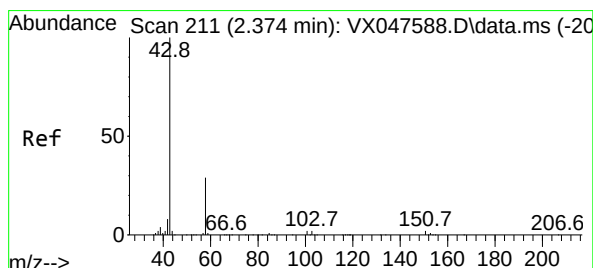
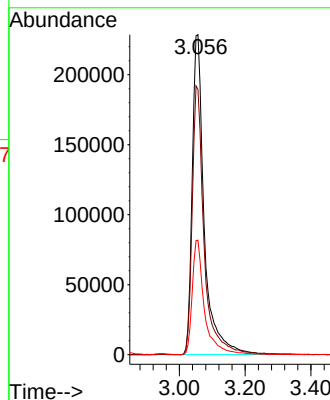
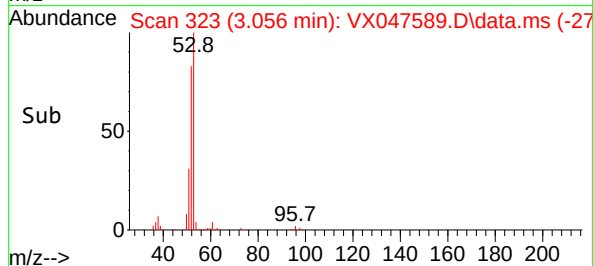
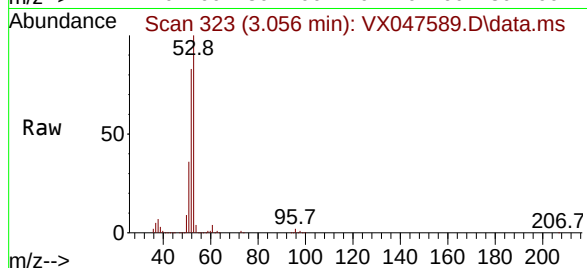
51 36.4 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#16

Acetone

Concen: 435.772 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX047589.D

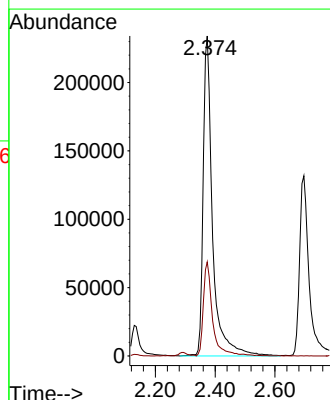
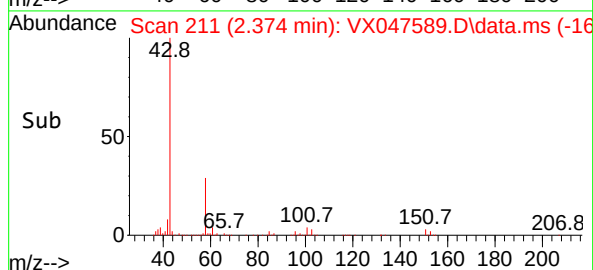
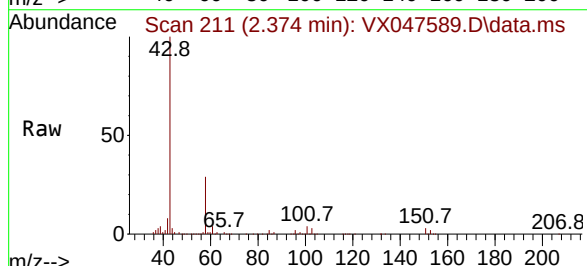
Acq: 16 Sep 2025 11:40

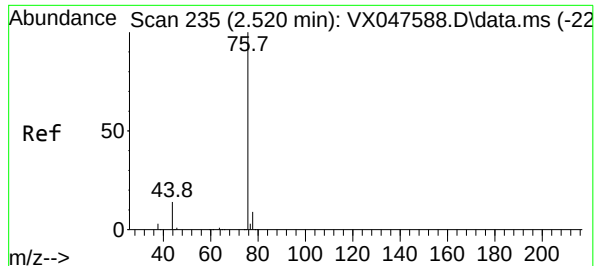
Tgt Ion: 43 Resp: 510542

Ion Ratio Lower Upper

43 100

58 29.4 23.4 35.0





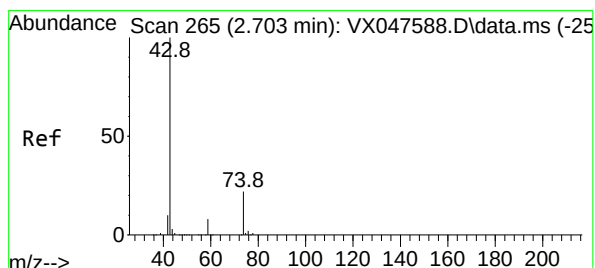
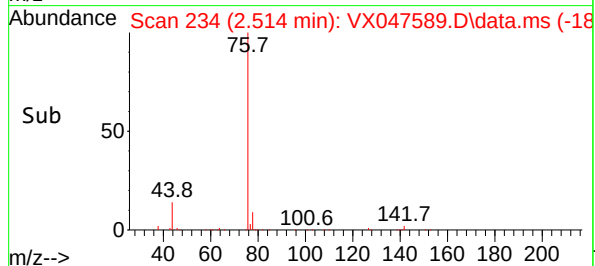
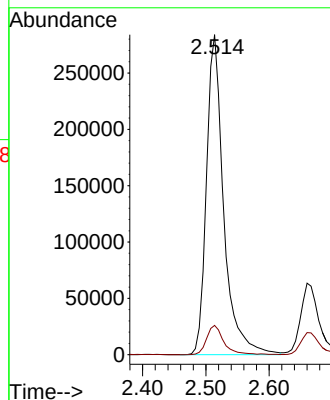
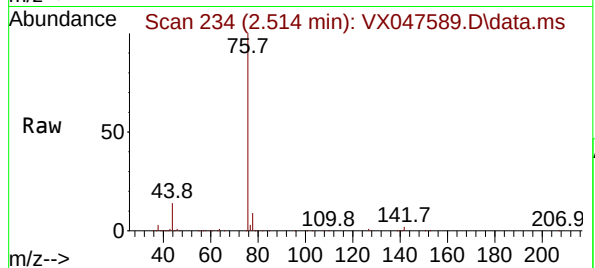
#17
Carbon Disulfide
Concen: 97.693 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 53788
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2

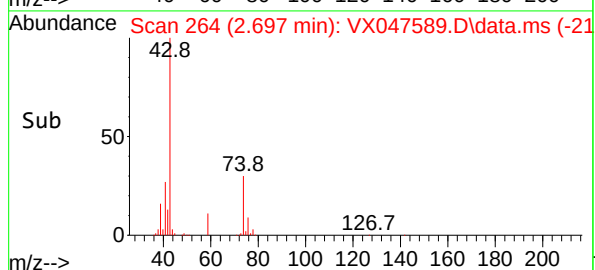
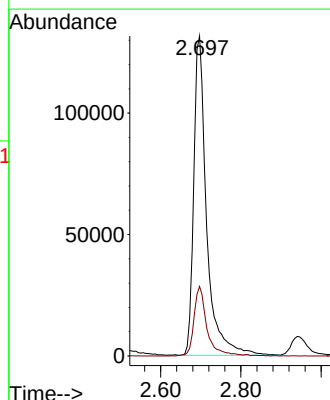
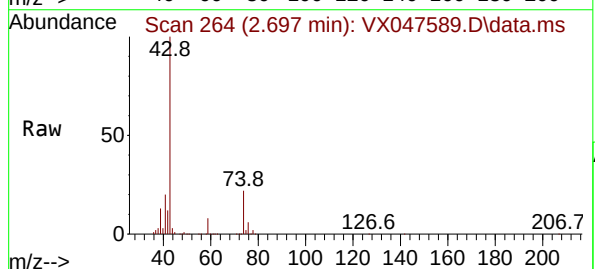
Manual Integrations
APPROVED

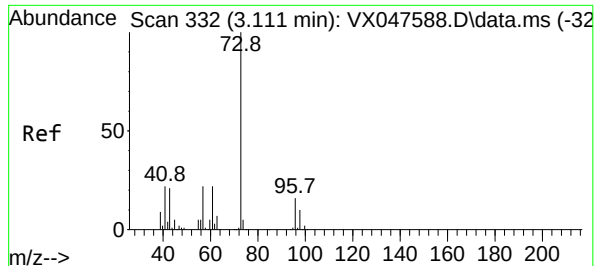
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#18
Methyl Acetate
Concen: 112.324 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 292867
Ion Ratio Lower Upper
43 100
74 21.8 17.4 26.2





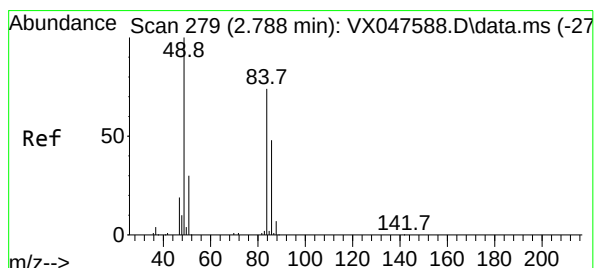
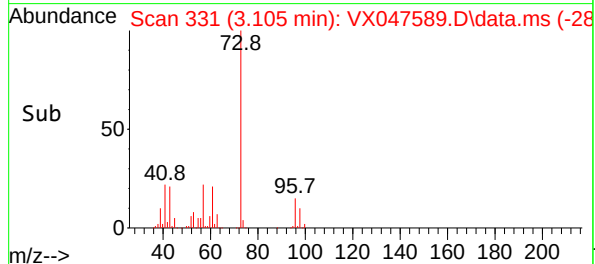
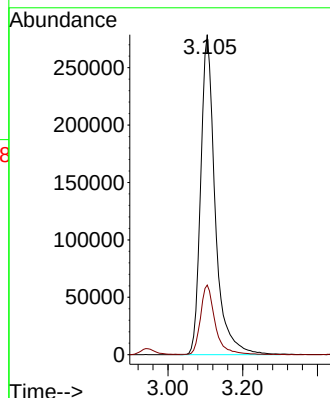
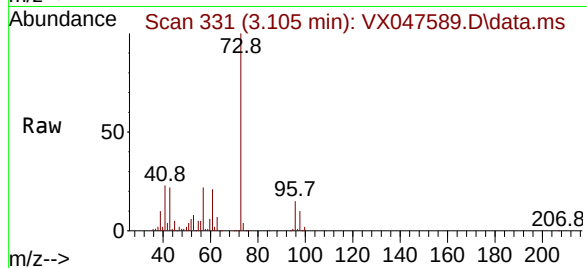
#19
Methyl tert-butyl Ether
Concen: 102.011 ug/l
RT: 3.105 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 748952
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.2

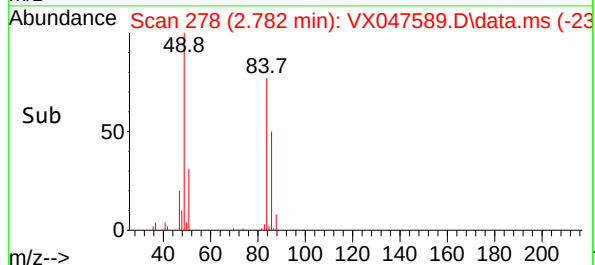
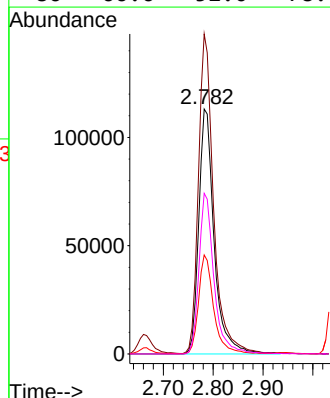
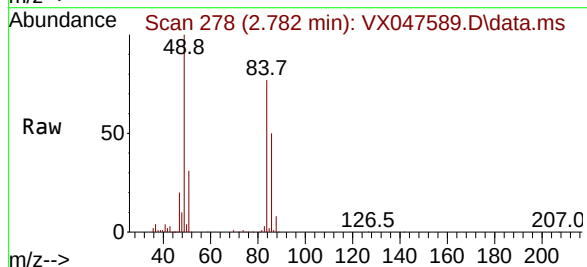
Manual Integrations
APPROVED

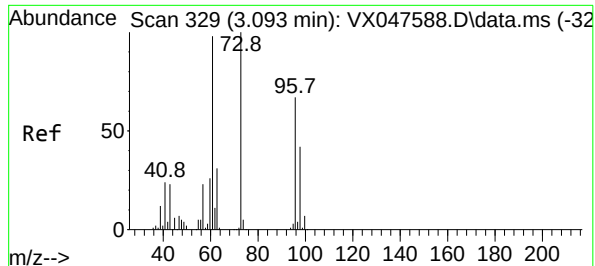
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#20
Methylene Chloride
Concen: 97.805 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

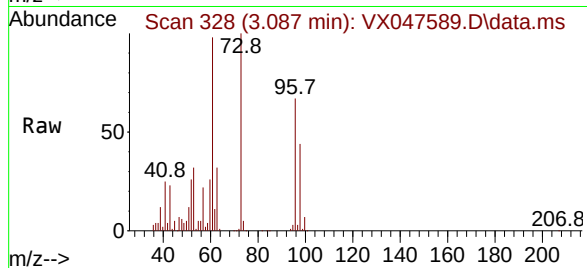
Tgt Ion: 84 Resp: 242548
Ion Ratio Lower Upper
84 100
49 130.4 108.6 162.8
51 40.3 32.6 48.8
86 66.6 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 100.566 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

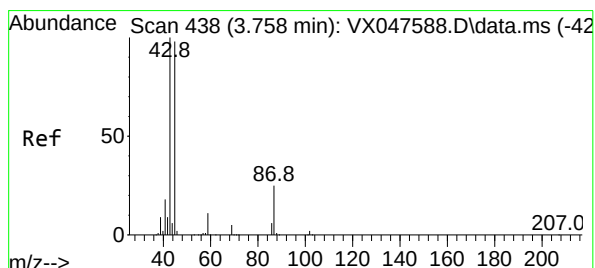
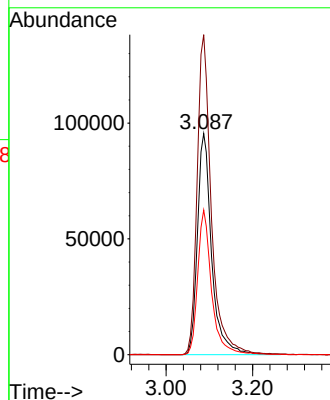
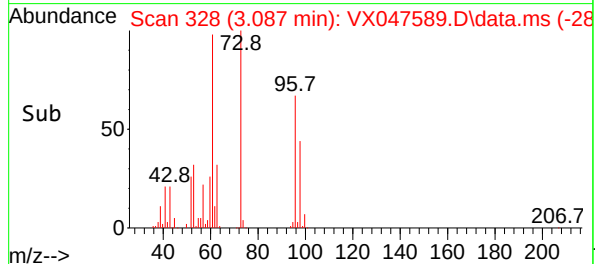
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 21775
Ion Ratio Lower Upper
96 100
61 144.7 116.2 174.2
98 65.4 49.3 73.9

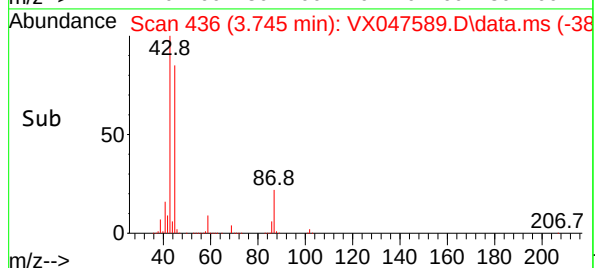
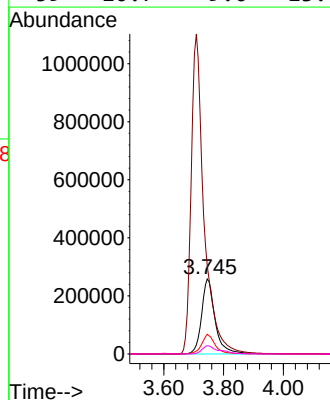
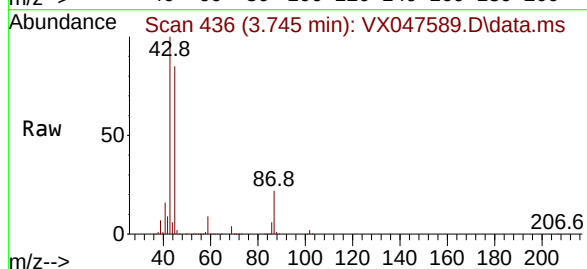
Manual Integrations
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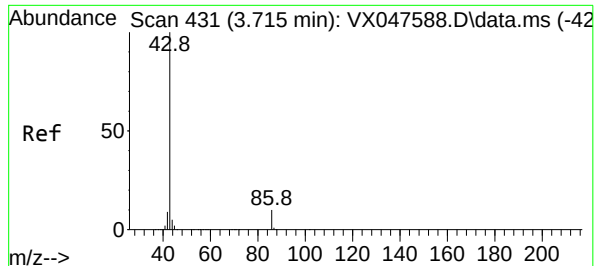
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#22
Diisopropyl ether
Concen: 100.934 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 45 Resp: 811840
Ion Ratio Lower Upper
45 100
43 117.3 81.0 121.4
87 26.1 20.3 30.5
59 10.7 9.0 13.4





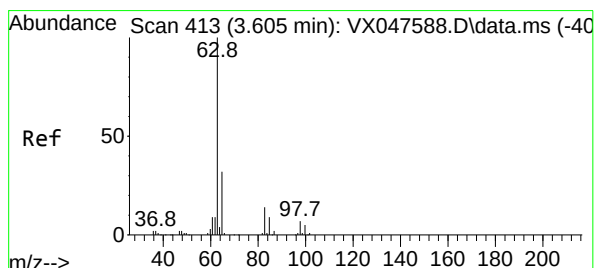
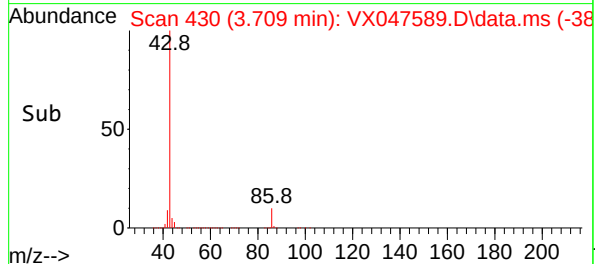
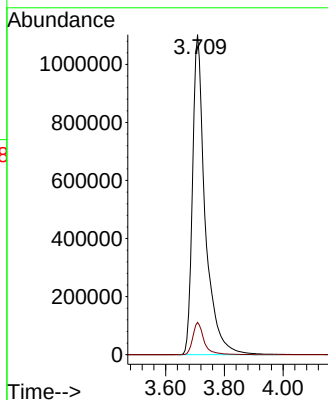
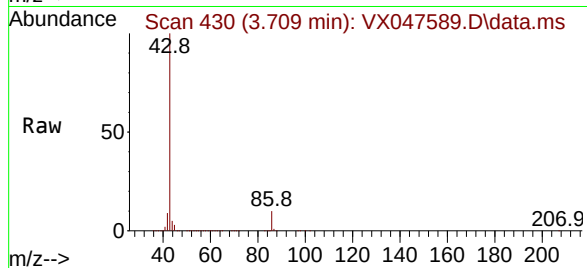
#23
Vinyl Acetate
Concen: 514.916 ug/l
RT: 3.709 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 331470
Ion Ratio Lower Upper
43 100
86 10.1 7.8 11.8

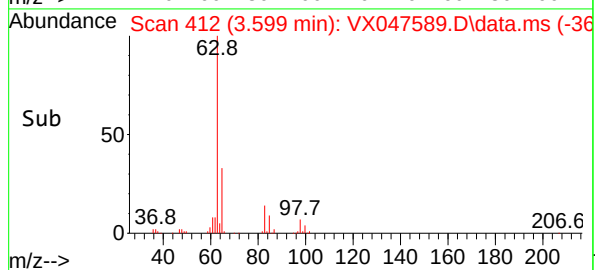
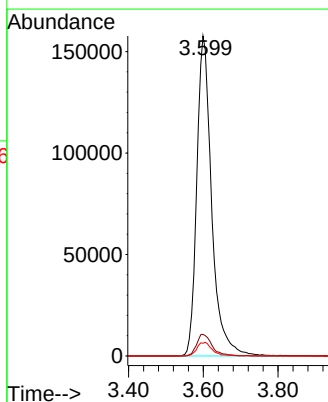
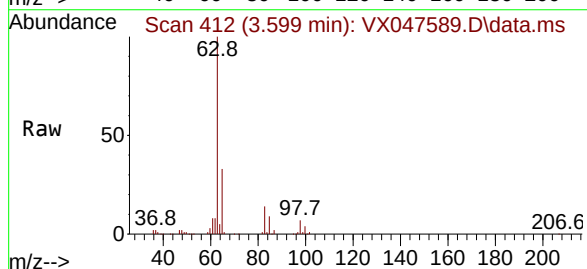
Manual Integrations
APPROVED

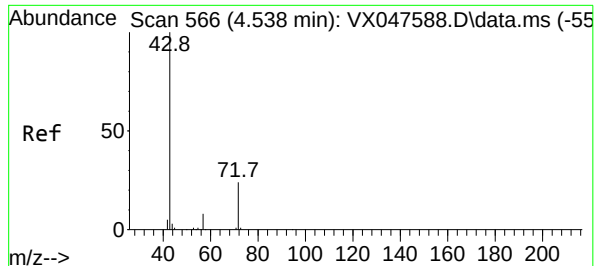
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#24
1,1-Dichloroethane
Concen: 101.944 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 435815
Ion Ratio Lower Upper
63 100
98 6.7 3.8 11.2
100 4.0 2.3 6.9





#25

2-Butanone

Concen: 479.558 ug/l

RT: 4.532 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 70082

Ion Ratio Lower Upper

43 100

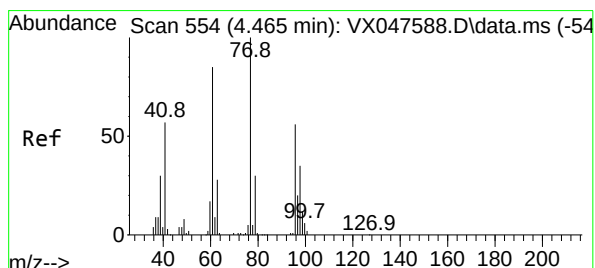
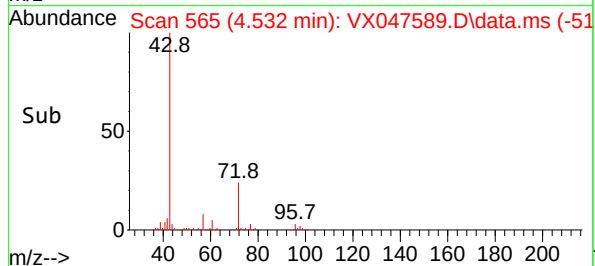
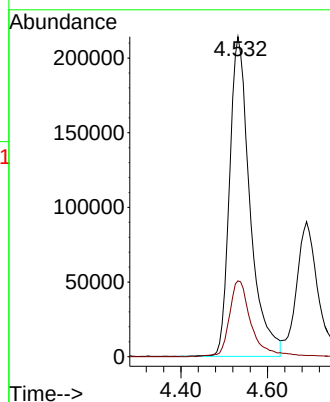
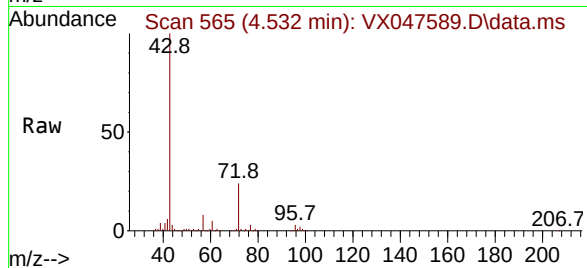
72 23.8 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#26

2,2-Dichloropropane

Concen: 100.542 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX047589.D

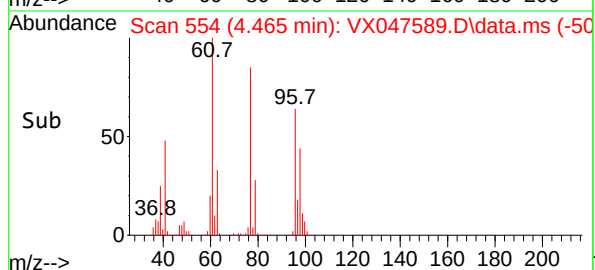
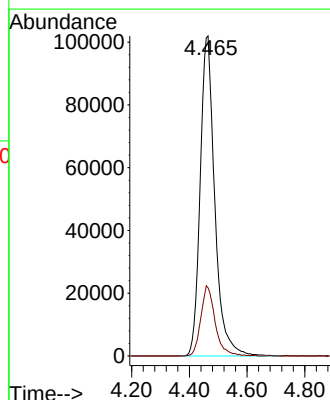
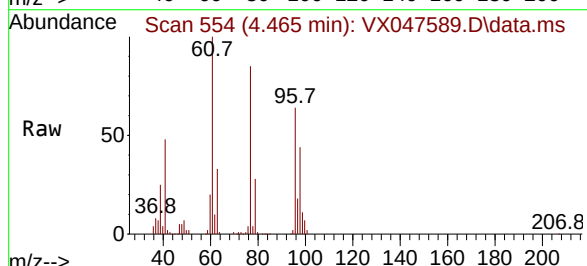
Acq: 16 Sep 2025 11:40

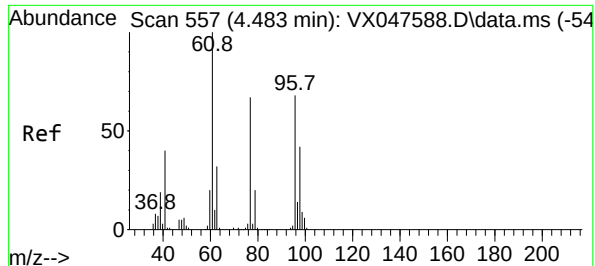
Tgt Ion: 77 Resp: 357292

Ion Ratio Lower Upper

77 100

97 21.6 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 100.516 ug/l

RT: 4.471 min Scan# 51

Delta R.T. -0.012 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

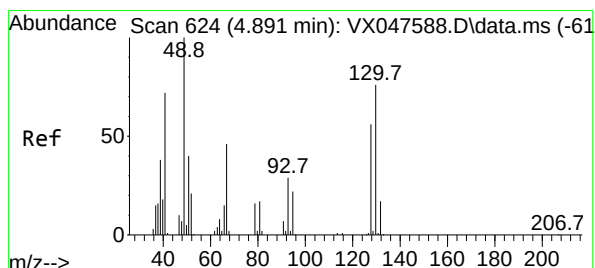
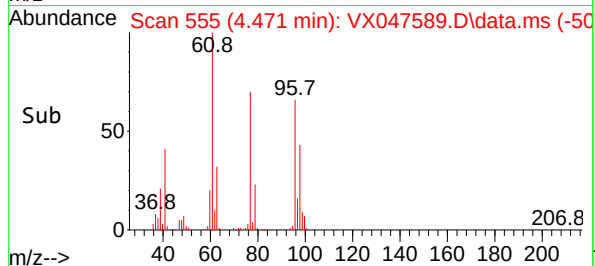
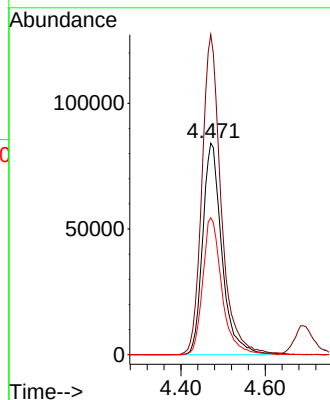
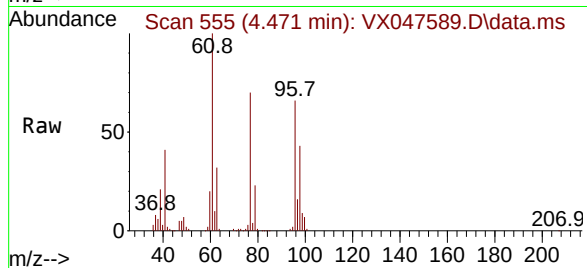
VSTDICC100

Tgt Ion:	96	Resp:	266550
Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	303.2
98	64.4	0.0	127.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#28

Bromochloromethane

Concen: 106.512 ug/l

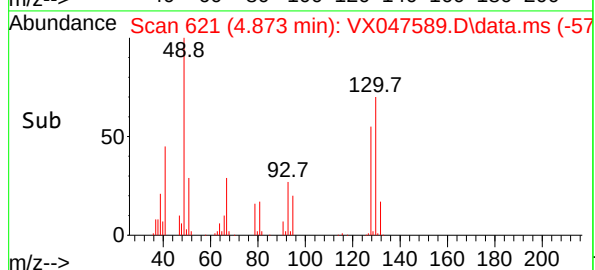
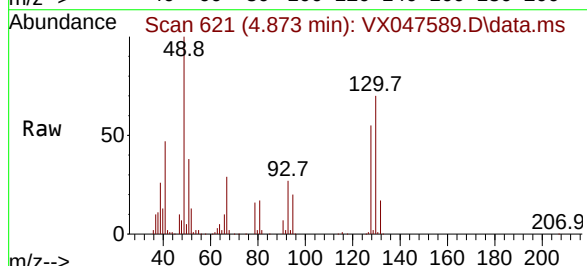
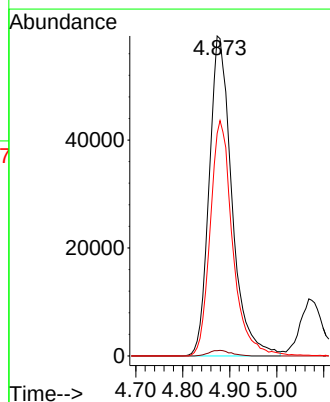
RT: 4.873 min Scan# 621

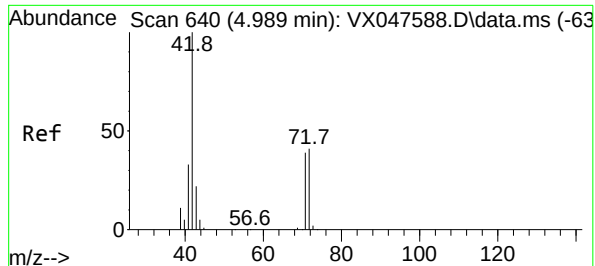
Delta R.T. -0.018 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Tgt Ion:	49	Resp:	198788
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.8	57.8	86.8





#29

Tetrahydrofuran

Concen: 504.502 ug/l

RT: 4.977 min Scan# 61

Delta R.T. -0.012 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 42 Resp: 443530

Ion Ratio Lower Upper

42 100

72 42.4 34.2 51.2

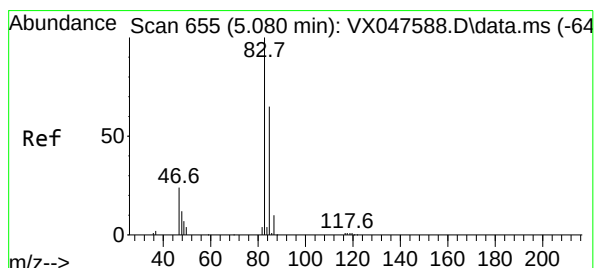
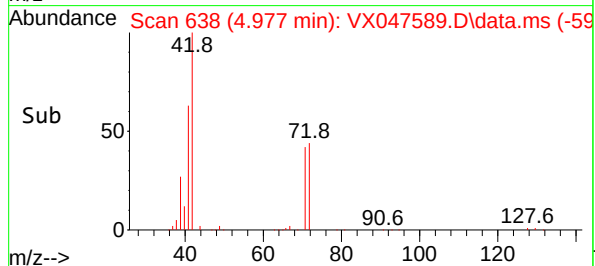
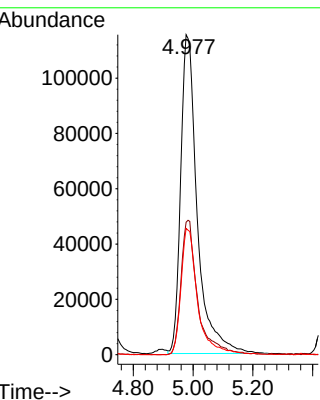
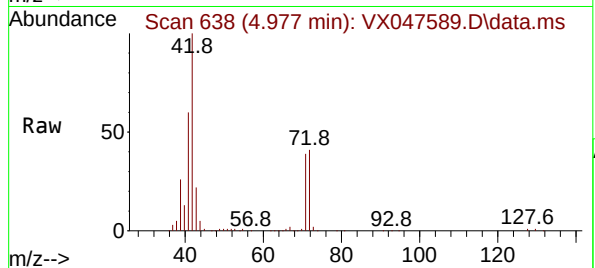
71 39.5 31.9 47.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#30

Chloroform

Concen: 100.447 ug/l

RT: 5.074 min Scan# 654

Delta R.T. -0.006 min

Lab File: VX047589.D

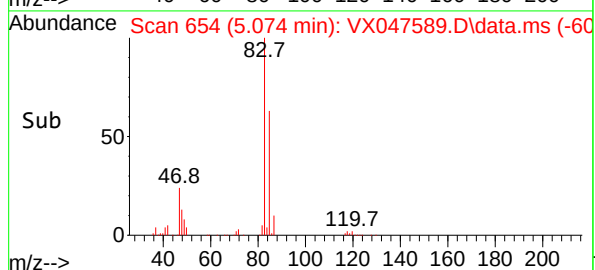
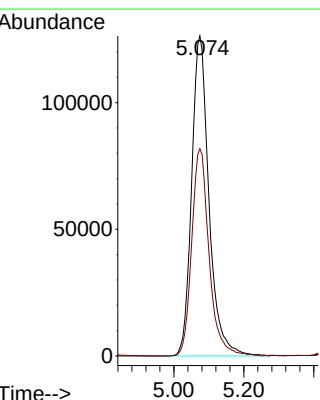
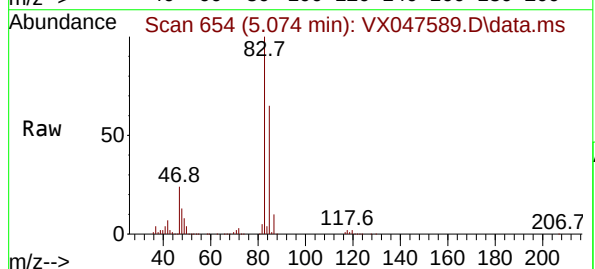
Acq: 16 Sep 2025 11:40

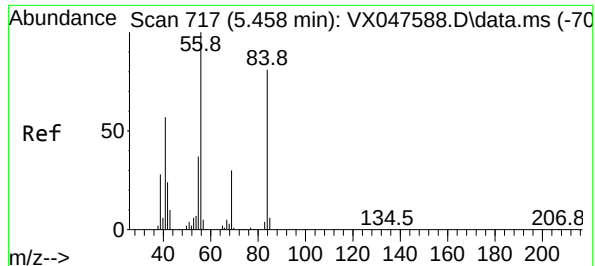
Tgt Ion: 83 Resp: 433937

Ion Ratio Lower Upper

83 100

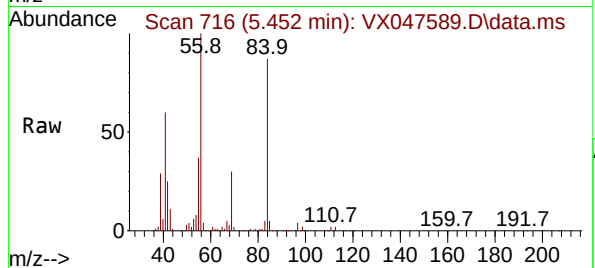
85 64.8 51.8 77.6





#31
Cyclohexane
Concen: 93.523 ug/l
RT: 5.452 min Scan# 716
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

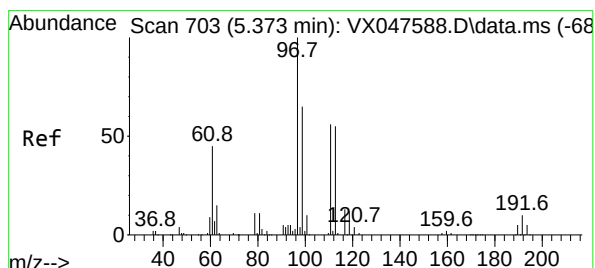
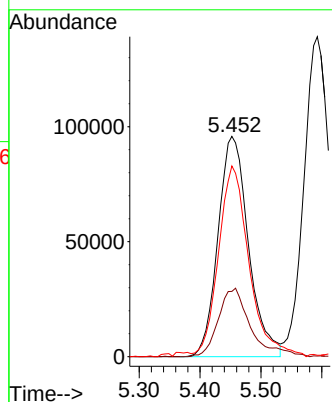
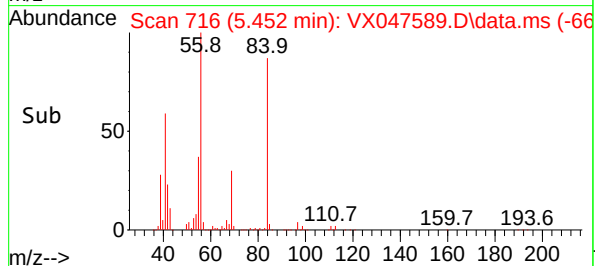
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 56 Resp: 33299
Ion Ratio Lower Upper
56 100
69 29.0 23.8 35.8
84 84.7 64.6 97.0

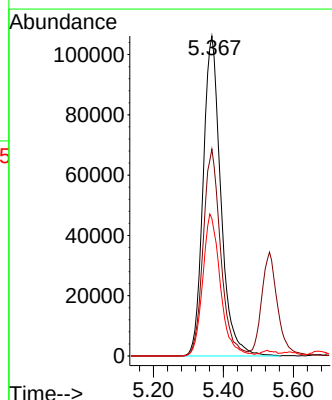
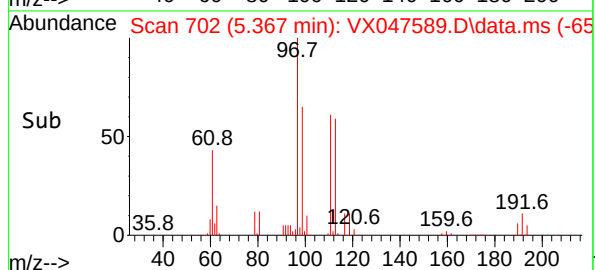
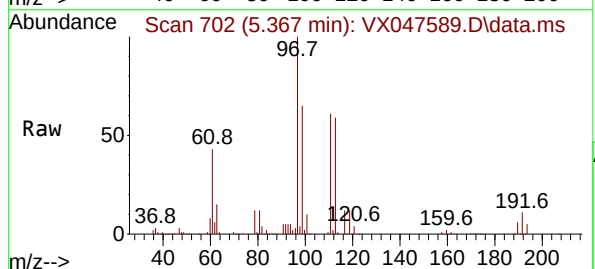
Manual Integrations
APPROVED

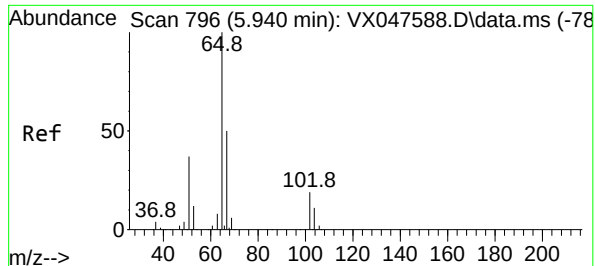
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#32
1,1,1-Trichloroethane
Concen: 101.607 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 97 Resp: 372323
Ion Ratio Lower Upper
97 100
99 63.8 50.6 76.0
61 44.4 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 102.341 ug/l

RT: 5.934 min Scan# 795

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 65 Resp: 275758

Ion Ratio Lower Upper

65 100

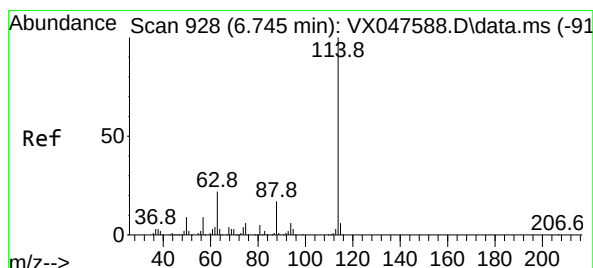
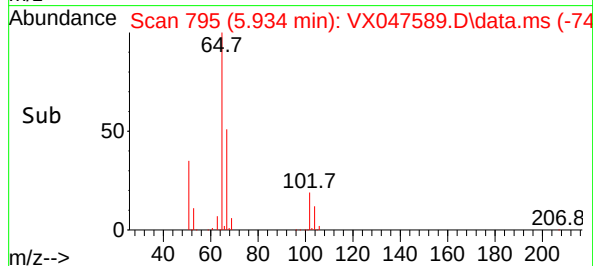
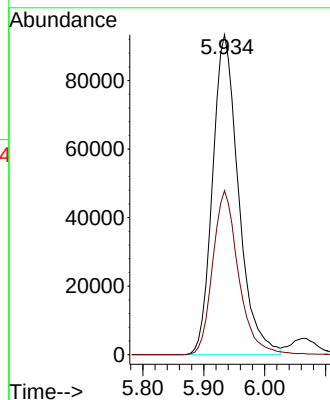
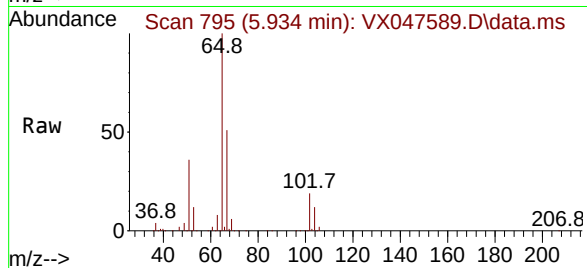
67 51.3 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.739 min Scan# 927

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

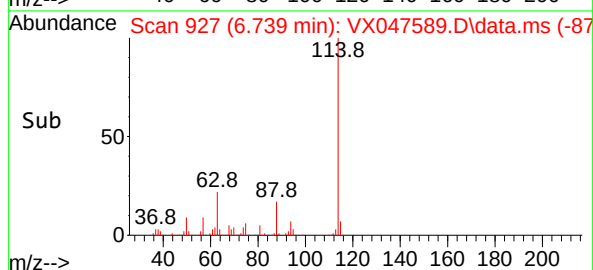
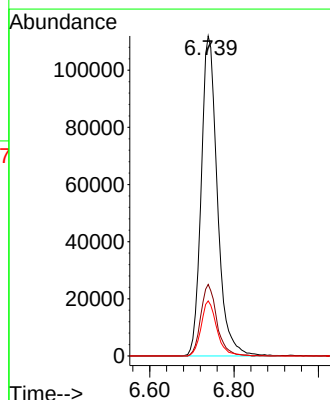
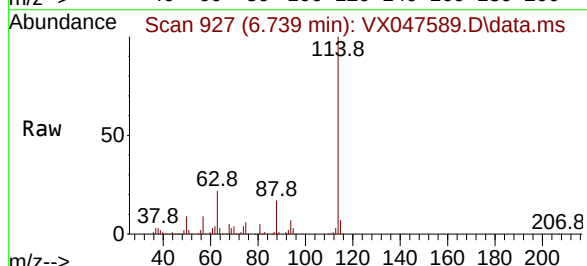
Tgt Ion:114 Resp: 298913

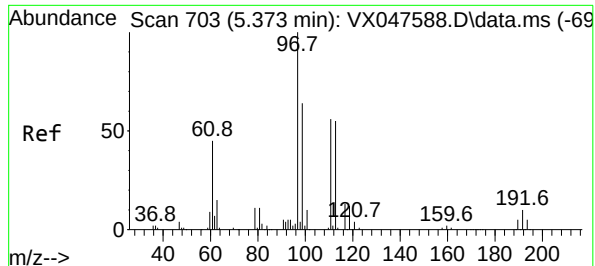
Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.0

88 17.2 0.0 34.2





#35

Dibromofluoromethane

Concen: 105.962 ug/l

RT: 5.361 min Scan# 703

Delta R.T. -0.012 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

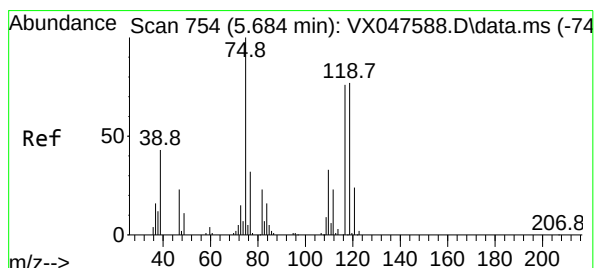
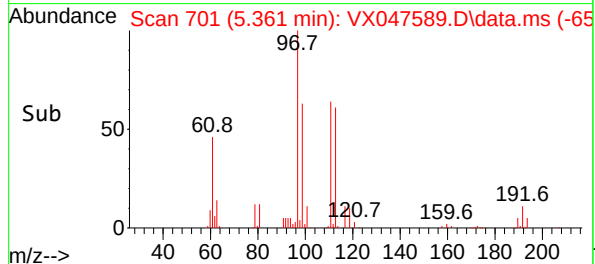
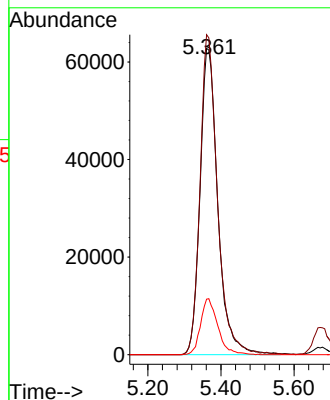
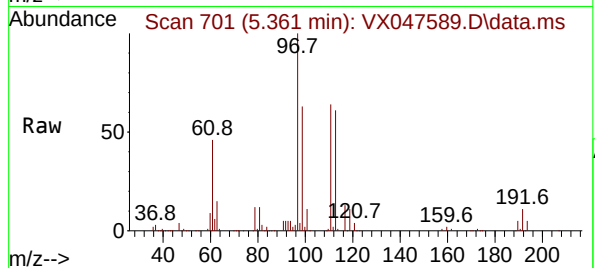
ClientSampleId :

VSTDIC100

Tgt Ion:	113	Resp:	212419
Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.9	121.3
192	17.7	14.2	21.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#36

1,1-Dichloropropene

Concen: 96.149 ug/l

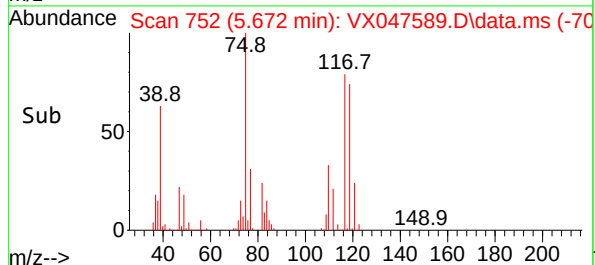
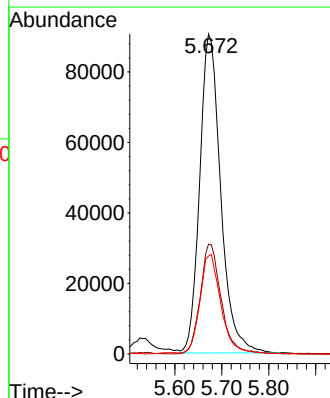
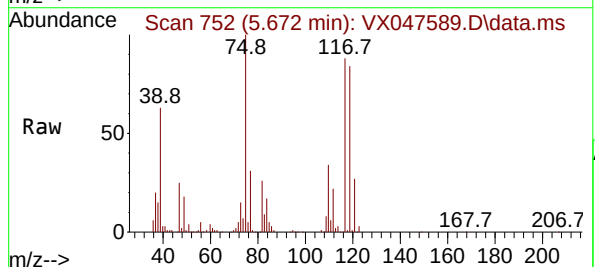
RT: 5.672 min Scan# 752

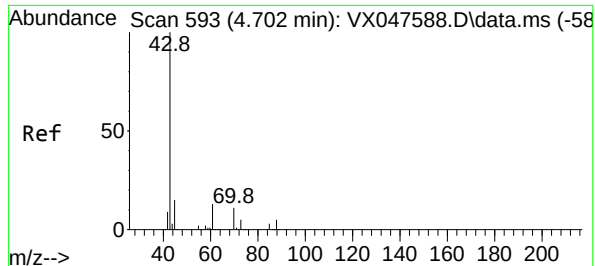
Delta R.T. -0.012 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Tgt Ion:	75	Resp:	281650
Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.7	50.1
77	31.3	24.3	36.5





#37

Ethyl Acetate

Concen: 101.641 ug/l

RT: 4.690 min Scan# 591

Delta R.T. -0.012 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

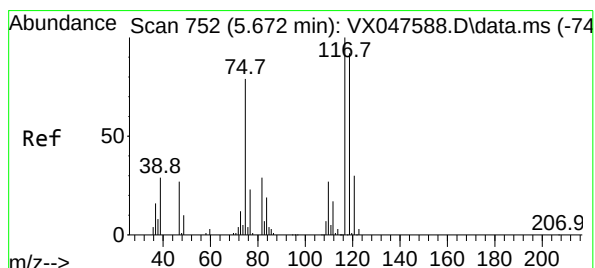
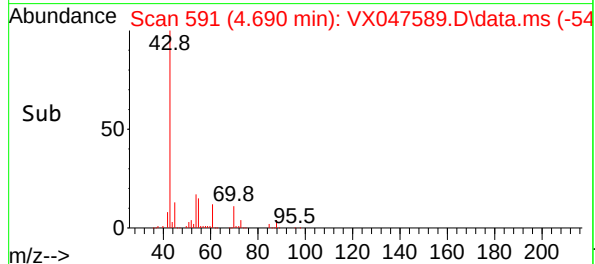
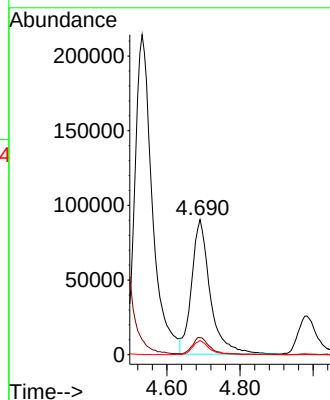
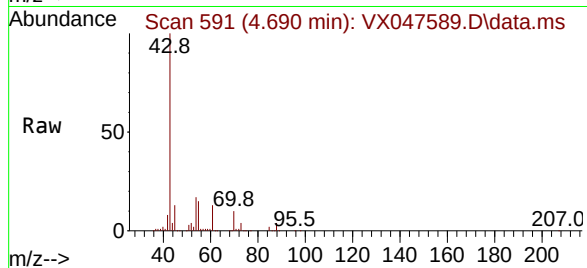
ClientSampleId :

VSTDICC100

Tgt Ion:	43	Resp:	31879
Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.8	14.8
70	9.4	7.9	11.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#38

Carbon Tetrachloride

Concen: 98.891 ug/l

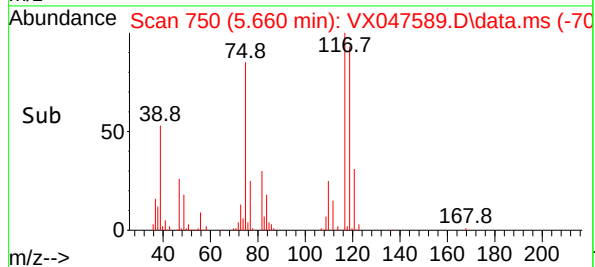
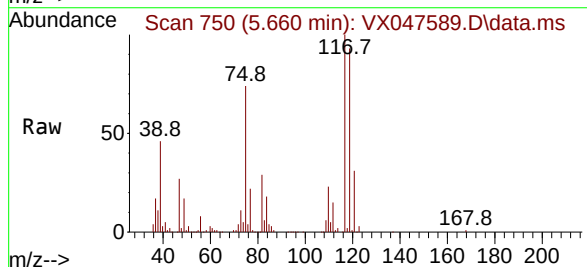
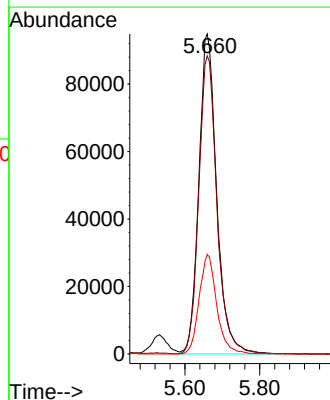
RT: 5.660 min Scan# 750

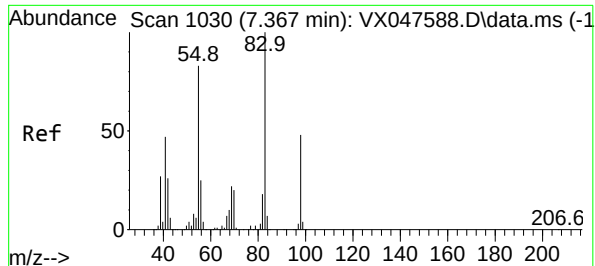
Delta R.T. -0.012 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Tgt Ion:	117	Resp:	314745
Ion	Ratio	Lower	Upper
117	100		
119	93.0	73.4	110.2
121	31.2	23.8	35.6





#39

Methylcyclohexane

Concen: 98.600 ug/l

RT: 7.360 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

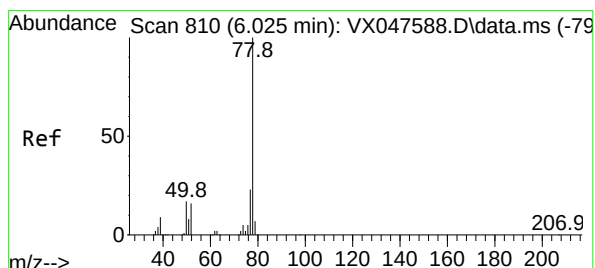
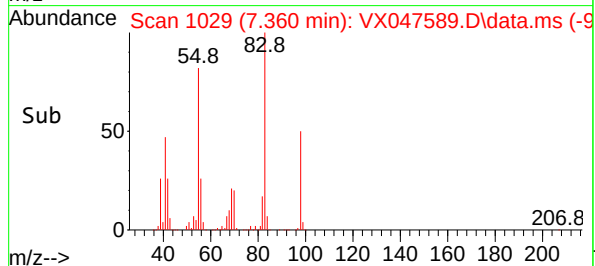
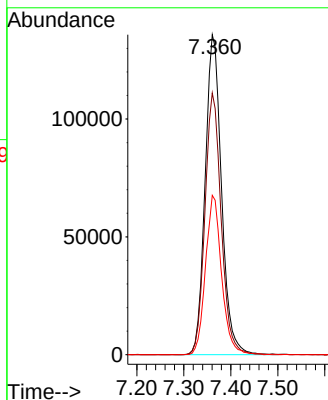
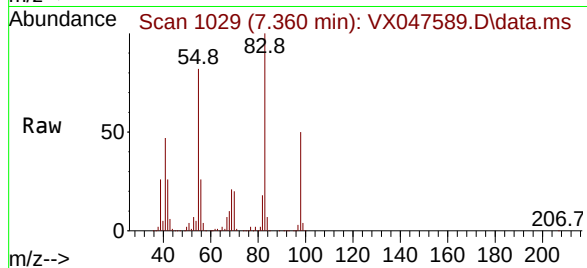
VSTDICC100

Tgt Ion:	83	Resp:	32785
Ion	Ratio	Lower	Upper
83	100		
55	81.8	66.4	99.6
98	49.8	38.1	57.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#40

Benzene

Concen: 99.009 ug/l

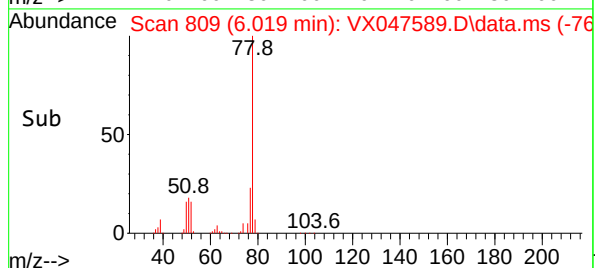
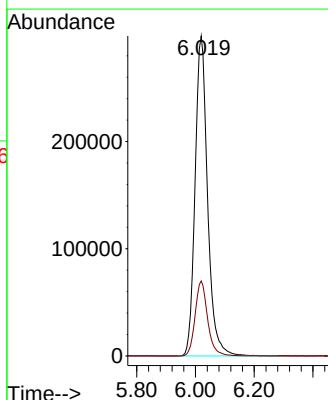
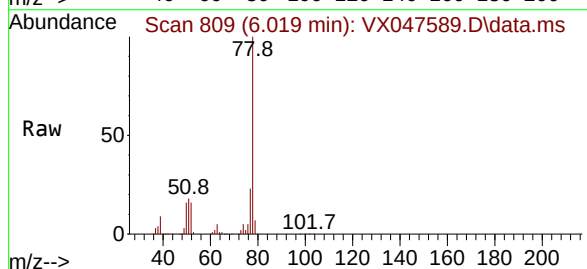
RT: 6.019 min Scan# 809

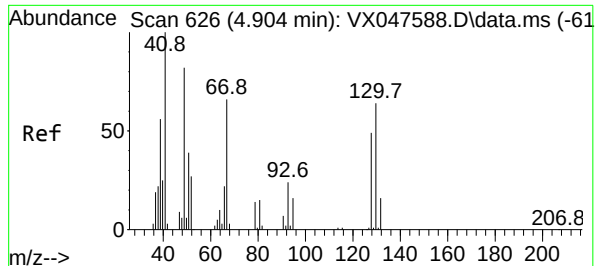
Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Tgt Ion:	78	Resp:	880885
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





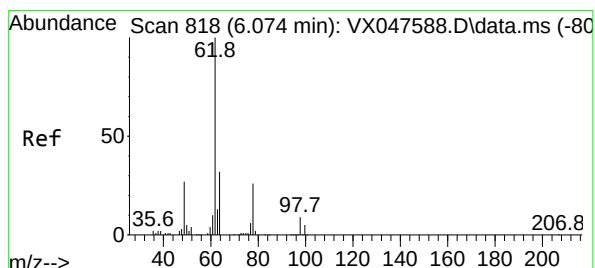
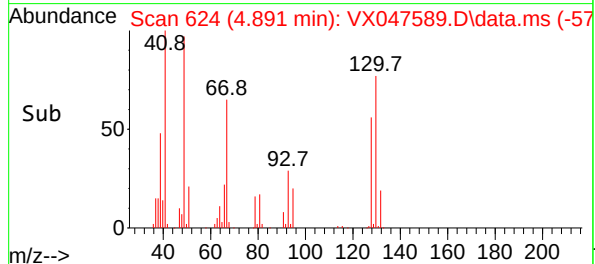
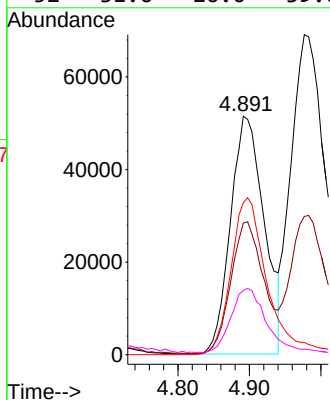
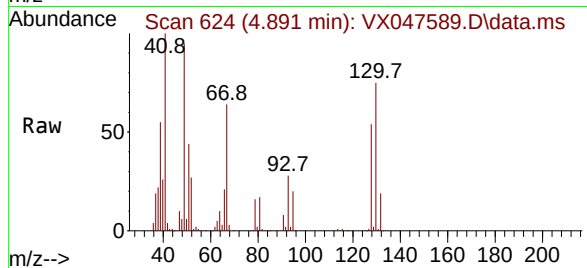
#41
Methacrylonitrile
Concen: 104.220 ug/l
RT: 4.891 min Scan# 61
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 16875
Ion Ratio Lower Upper
41 100
39 54.6 43.3 64.9
67 72.1 58.6 87.8
52 31.6 26.0 39.0

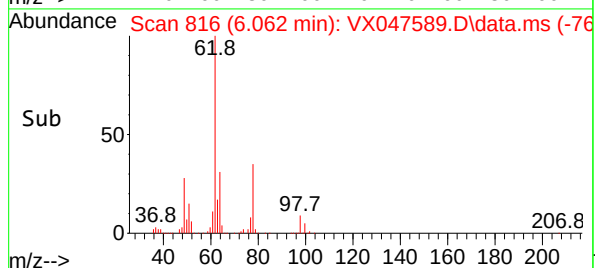
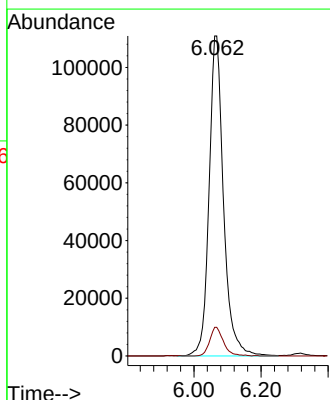
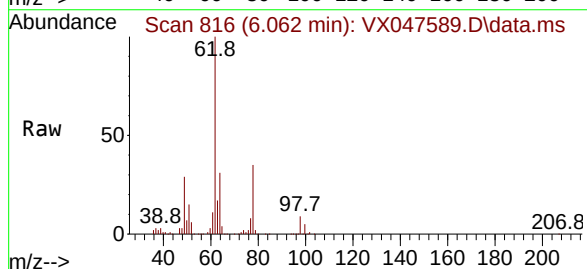
Manual Integrations
APPROVED

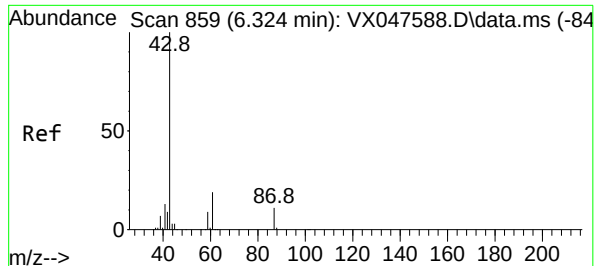
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#42
1,2-Dichloroethane
Concen: 97.916 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 331465
Ion Ratio Lower Upper
62 100
98 8.6 0.0 17.0





#43

Isopropyl Acetate

Concen: 100.482 ug/l

RT: 6.318 min Scan# 81

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

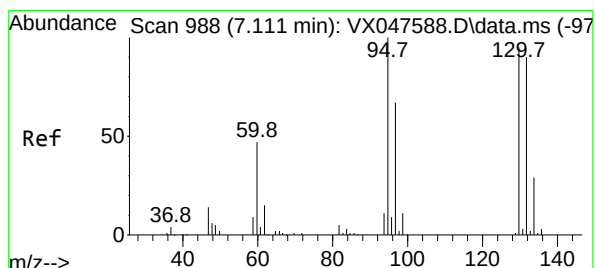
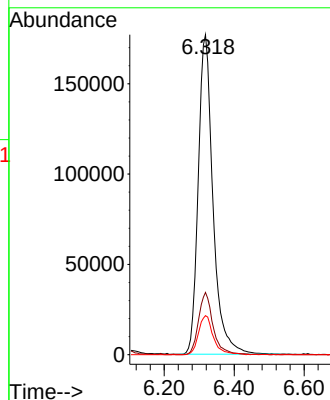
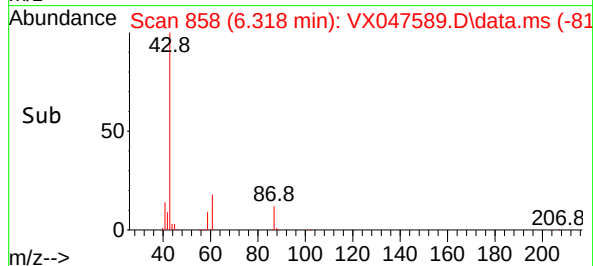
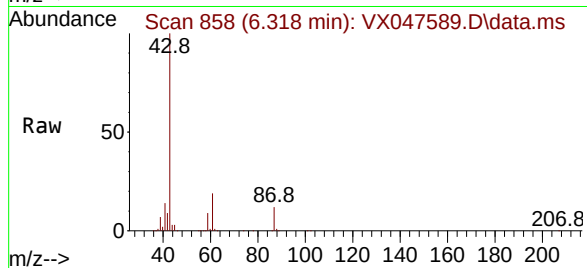
VSTDICC100

Tgt Ion:	43	Resp:	51687
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.3	9.6	14.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#44

Trichloroethene

Concen: 101.234 ug/l

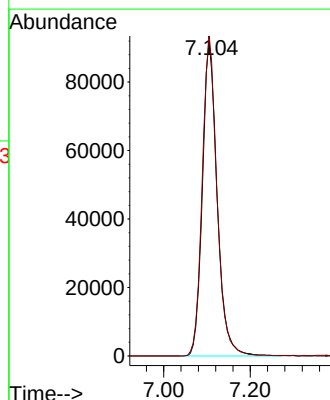
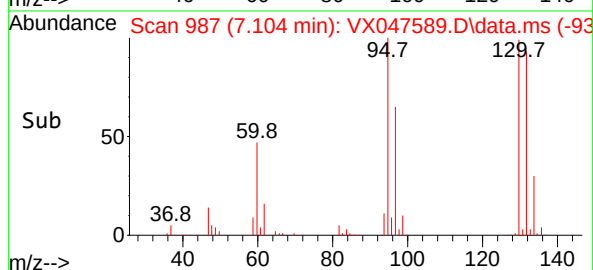
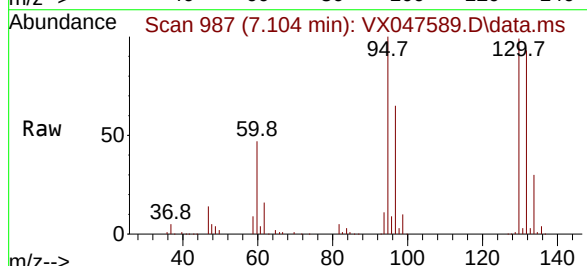
RT: 7.104 min Scan# 987

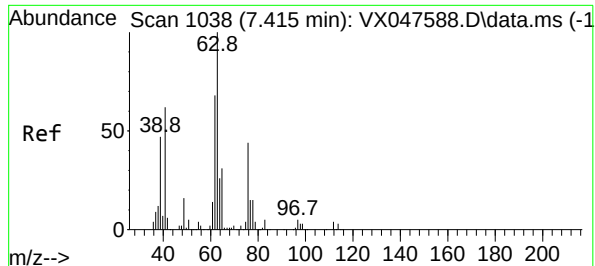
Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Tgt Ion:	130	Resp:	217753
Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	210.8





#45

1,2-Dichloropropane

Concen: 100.145 ug/l

RT: 7.409 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 228150

Ion Ratio Lower Upper

63 100

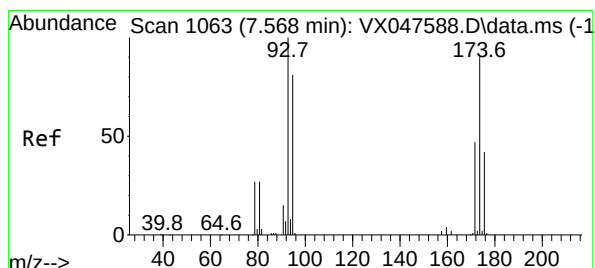
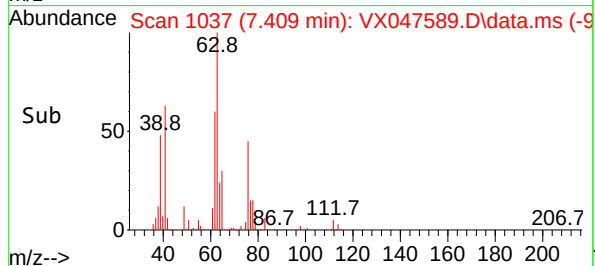
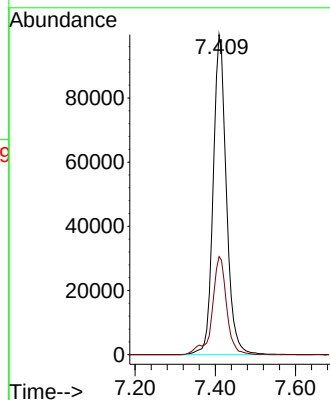
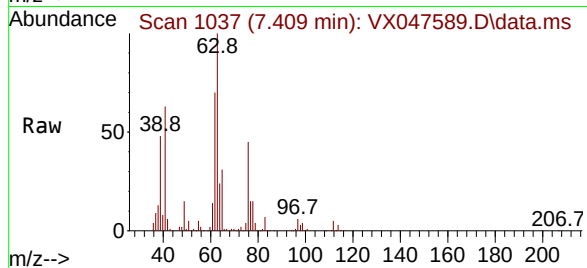
65 30.7 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#46

Dibromomethane

Concen: 99.519 ug/l

RT: 7.562 min Scan# 1062

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

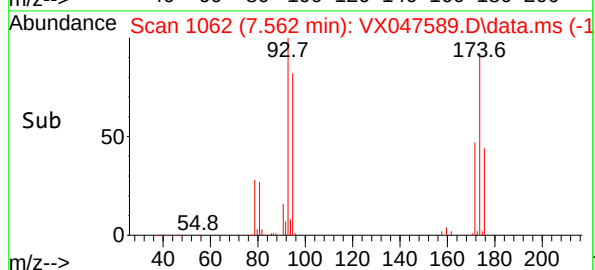
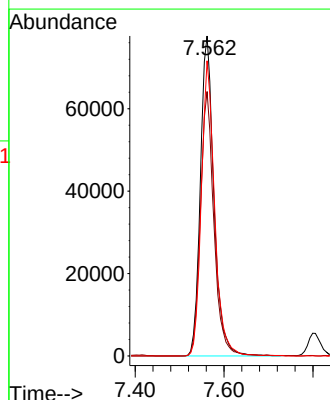
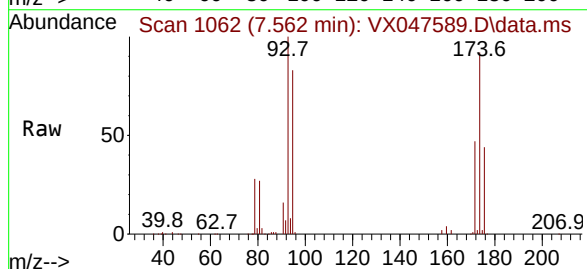
Tgt Ion: 93 Resp: 164987

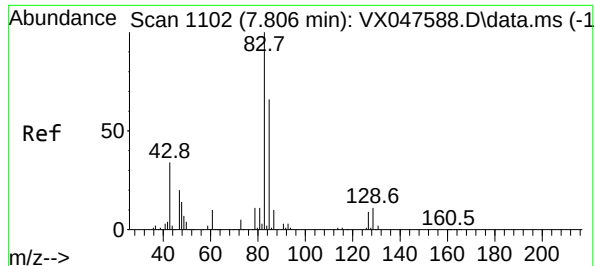
Ion Ratio Lower Upper

93 100

95 82.1 65.0 97.6

174 90.5 71.6 107.4





#47

Bromodichloromethane

Concen: 101.136 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

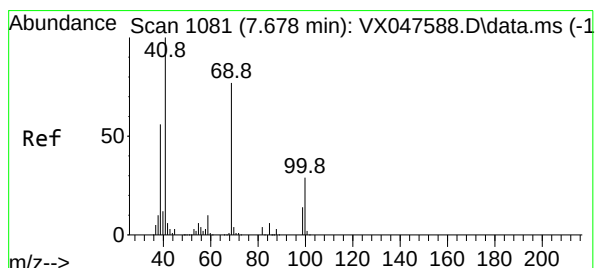
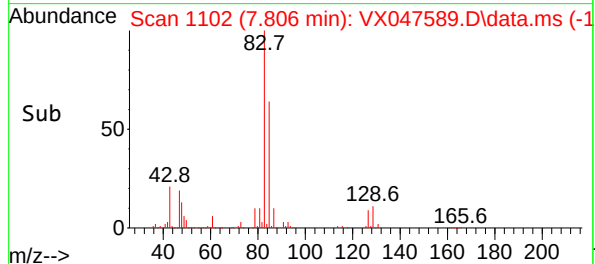
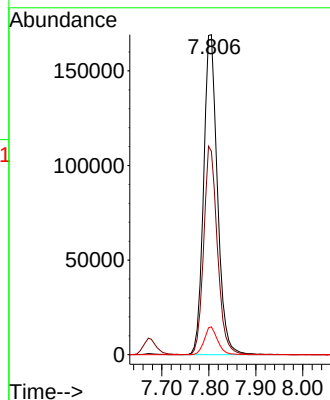
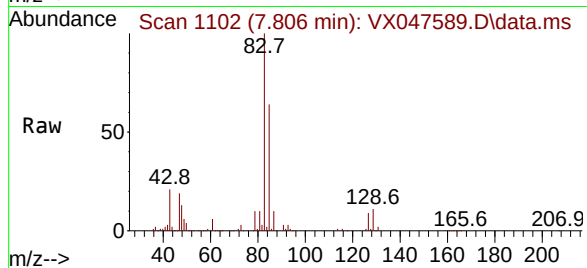
VSTDICC100

Tgt Ion:	83	Resp:	34599
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.7	6.9	10.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#48

Methyl methacrylate

Concen: 101.612 ug/l

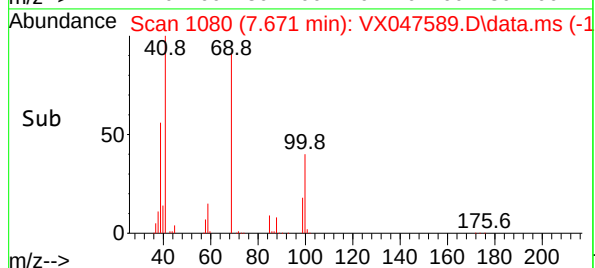
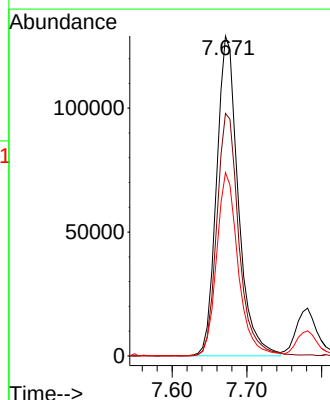
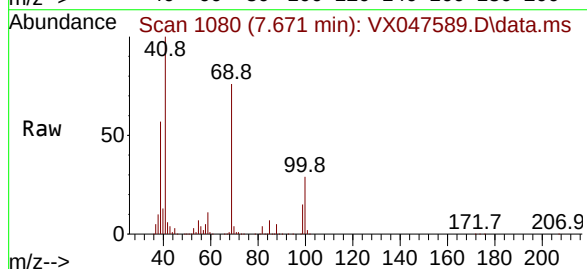
RT: 7.671 min Scan# 1080

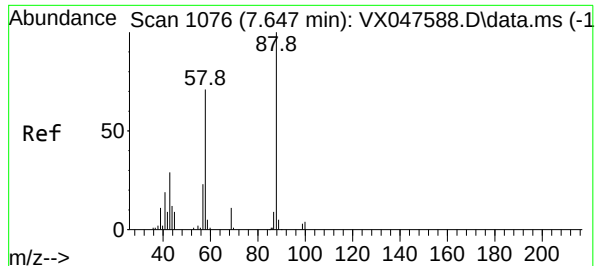
Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Tgt Ion:	41	Resp:	260358
Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	57.0	45.8	68.6





#49

1,4-Dioxane

Concen: 2190.315 ug/l

RT: 7.641 min Scan# 1076

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

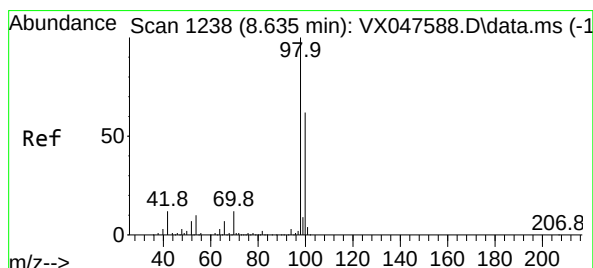
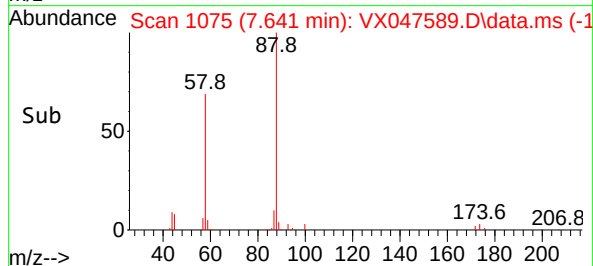
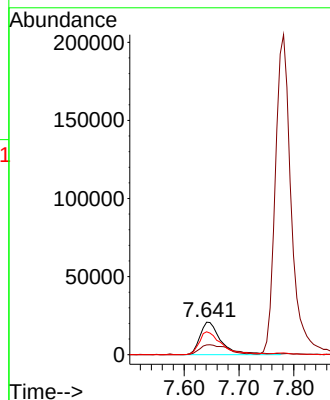
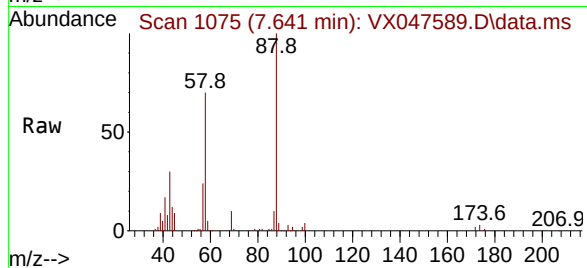
VSTDICC100

Tgt Ion:	88	Resp:	5671
Ion	Ratio	Lower	Upper
88	100		
43	39.4	30.2	45.2
58	74.0	59.5	89.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#50

Toluene-d8

Concen: 104.386 ug/l

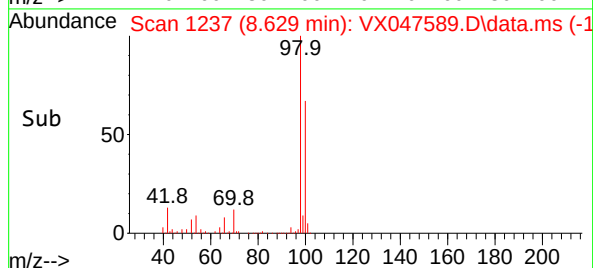
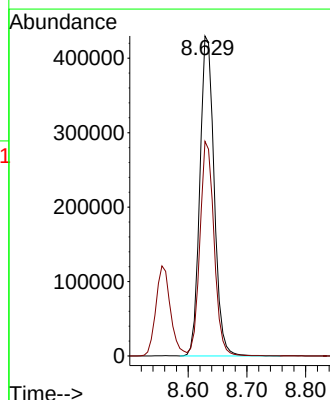
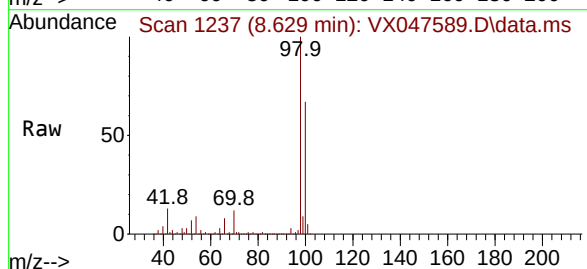
RT: 8.629 min Scan# 1237

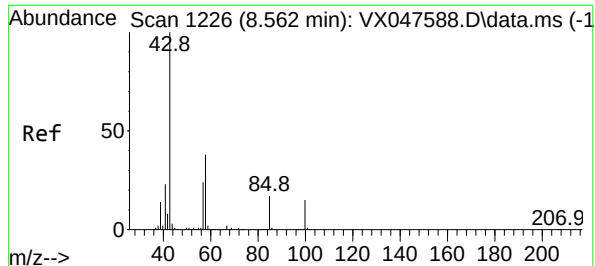
Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

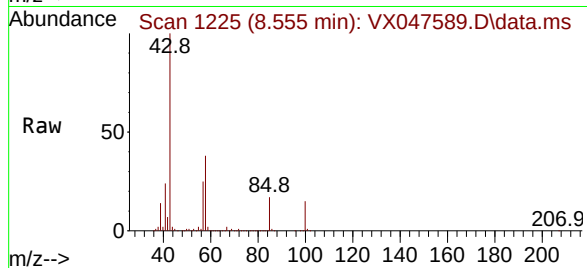
Tgt Ion:	98	Resp:	724078
Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 501.834 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

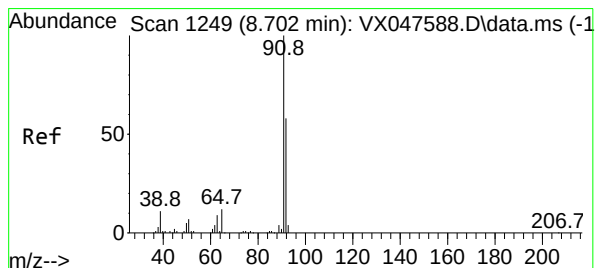
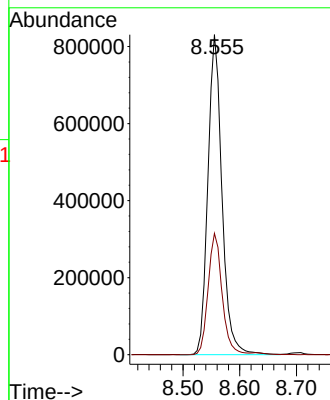
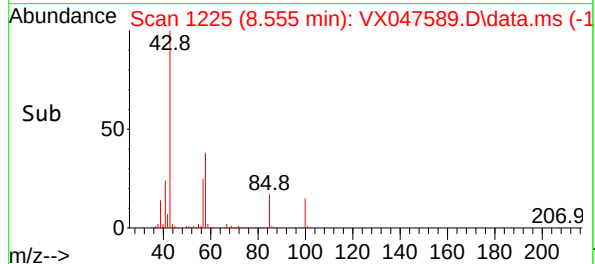
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 143125
Ion Ratio Lower Upper
43 100
58 37.7 30.3 45.5

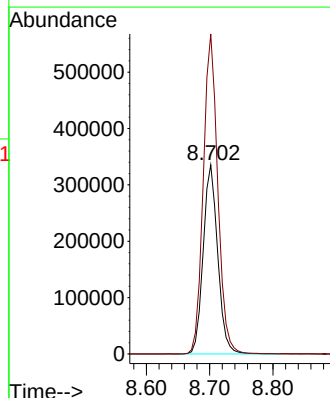
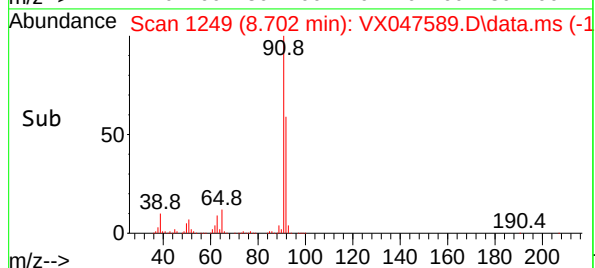
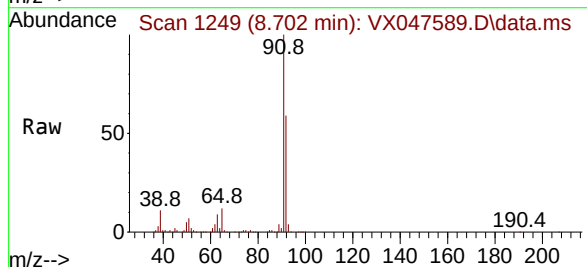
Manual Integrations
APPROVED

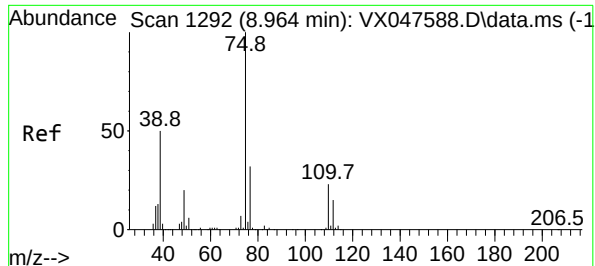
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#52
Toluene
Concen: 97.811 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 92 Resp: 536148
Ion Ratio Lower Upper
92 100
91 169.3 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 101.986 ug/l

RT: 8.958 min Scan# 1191

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 75 Resp: 35588

Ion Ratio Lower Upper

75 100

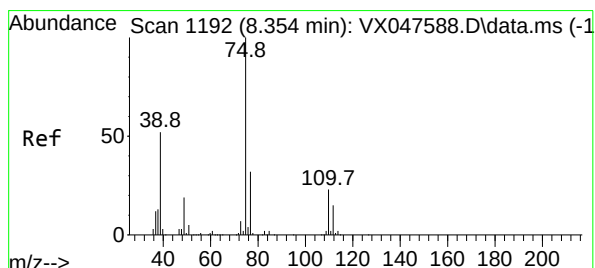
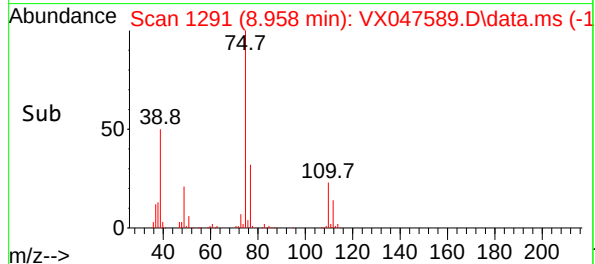
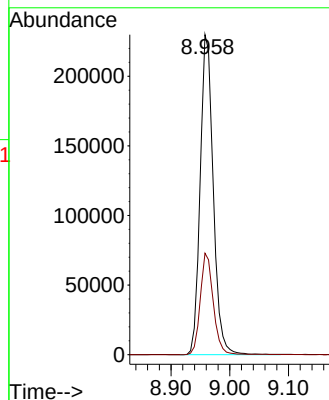
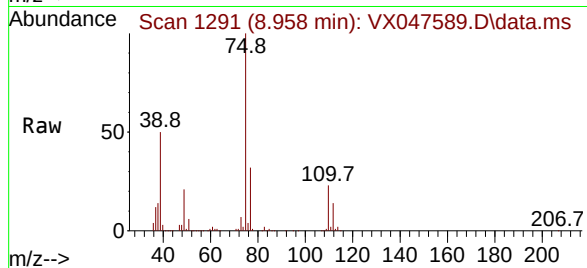
77 31.7 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#54

cis-1,3-Dichloropropene

Concen: 102.038 ug/l

RT: 8.348 min Scan# 1191

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

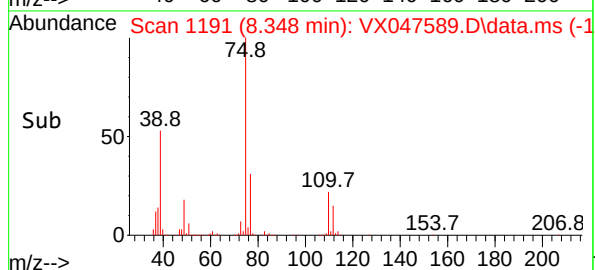
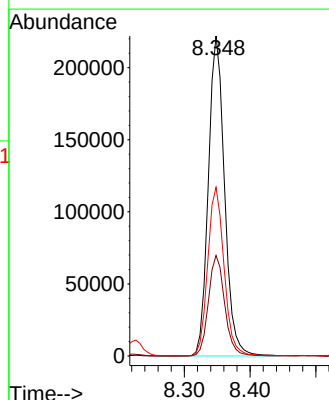
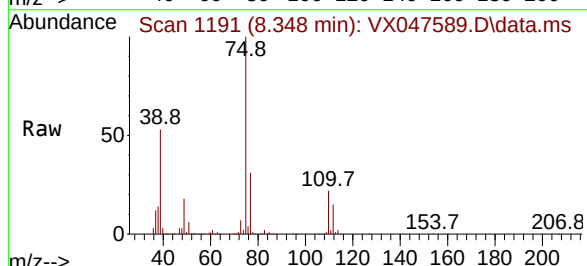
Tgt Ion: 75 Resp: 380577

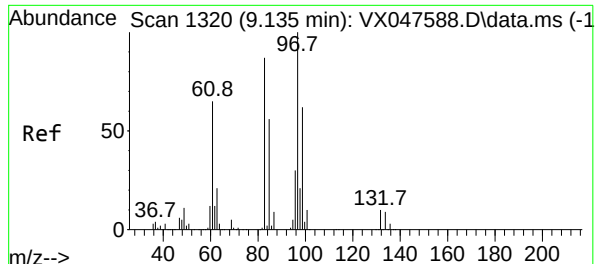
Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.6

39 52.3 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 97.434 ug/l

RT: 9.135 min Scan# 1314

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 97 Resp: 205939

Ion Ratio Lower Upper

97 100

83 83.2 69.6 104.4

85 54.3 45.0 67.6

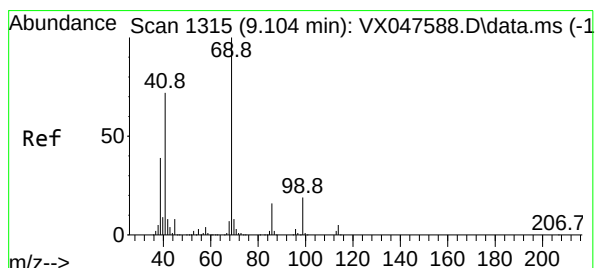
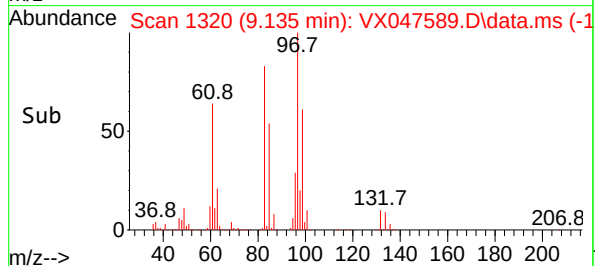
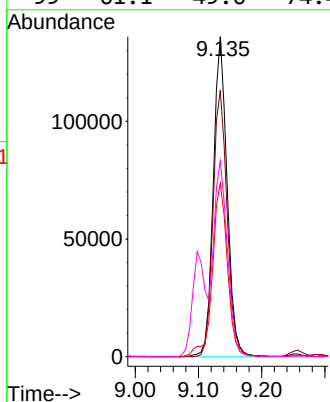
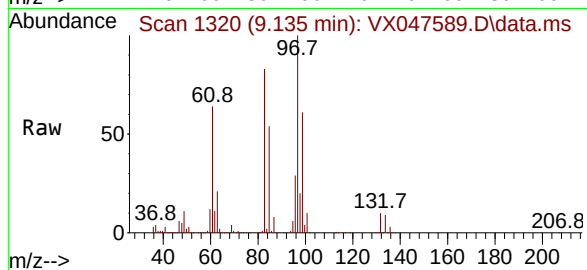
99 61.1 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#56

Ethyl methacrylate

Concen: 104.435 ug/l

RT: 9.098 min Scan# 1314

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

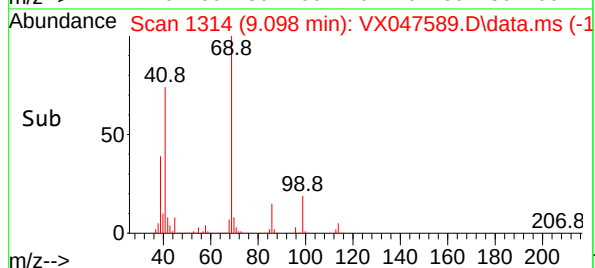
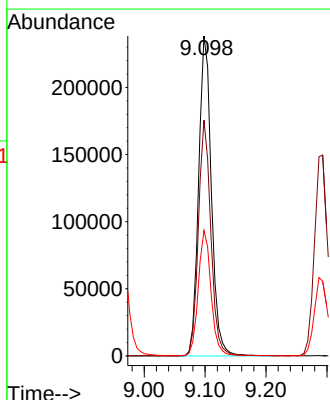
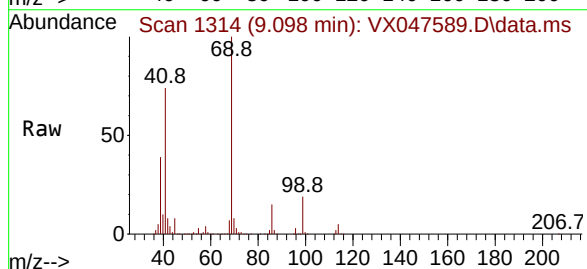
Tgt Ion: 69 Resp: 346659

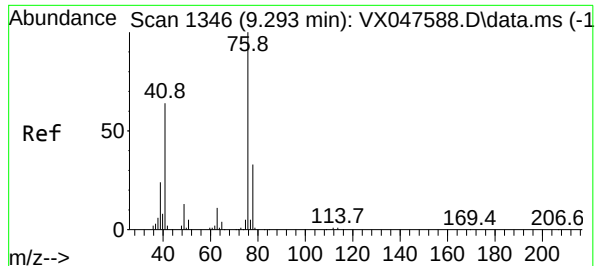
Ion Ratio Lower Upper

69 100

41 71.7 58.6 87.8

39 39.0 31.5 47.3





#57

1,3-Dichloropropane

Concen: 99.935 ug/l

RT: 9.293 min Scan# 11346

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 362848

Ion Ratio Lower Upper

76 100

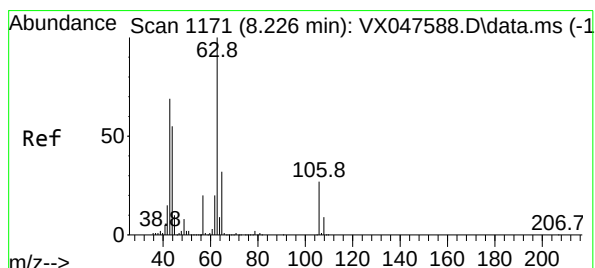
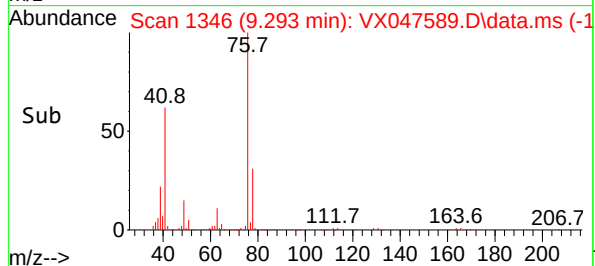
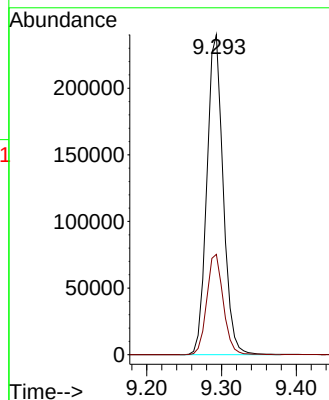
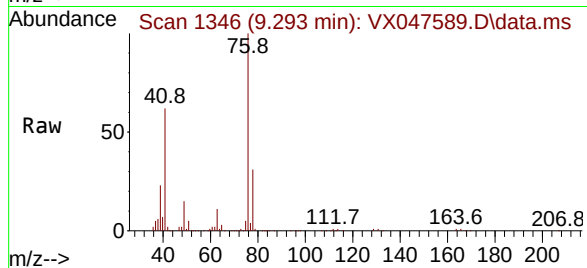
78 31.8 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#58

2-Chloroethyl Vinyl ether

Concen: 499.814 ug/l

RT: 8.226 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VX047589.D

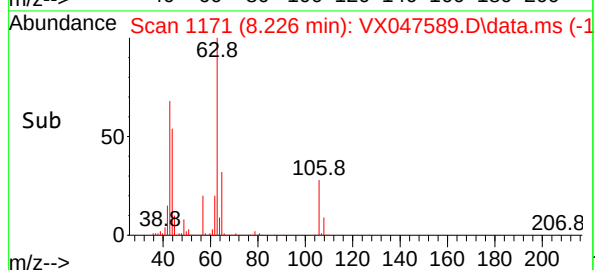
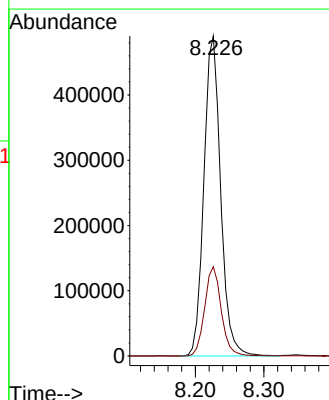
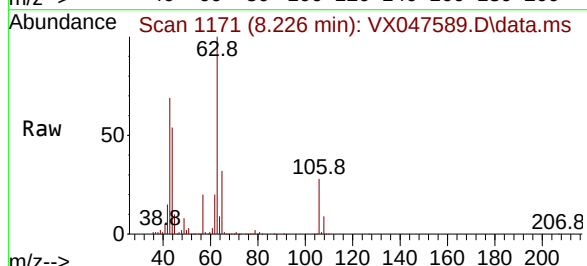
Acq: 16 Sep 2025 11:40

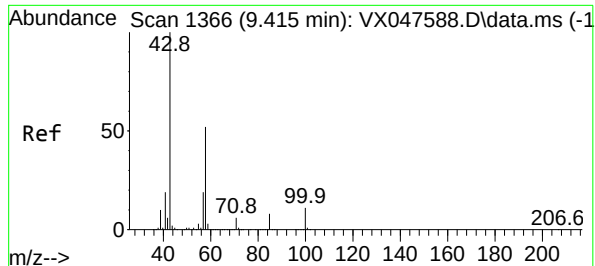
Tgt Ion: 63 Resp: 836362

Ion Ratio Lower Upper

63 100

106 27.5 21.9 32.9





#59

2-Hexanone

Concen: 486.380 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 996274

Ion Ratio Lower Upper

43 100

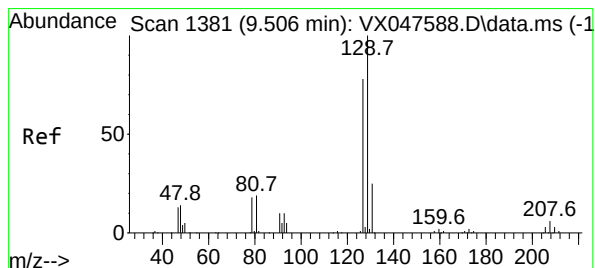
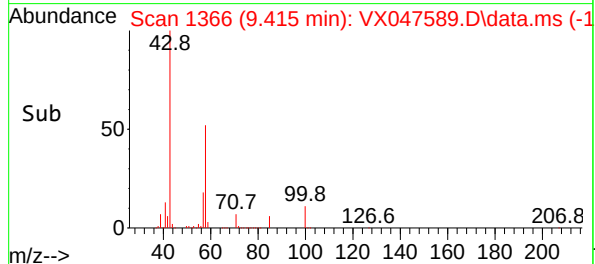
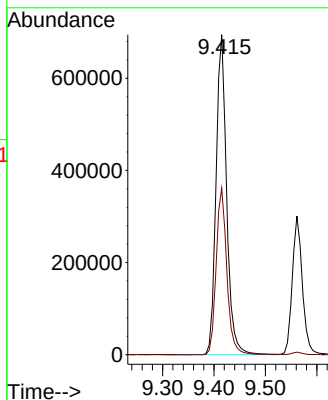
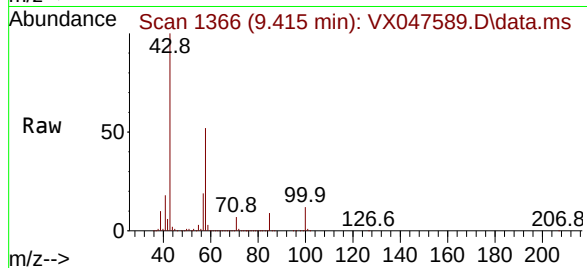
58 52.4 26.1 78.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#60

Dibromochloromethane

Concen: 103.226 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VX047589.D

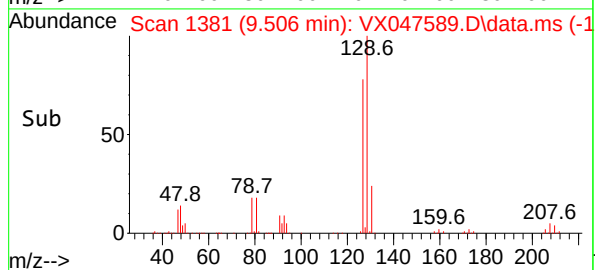
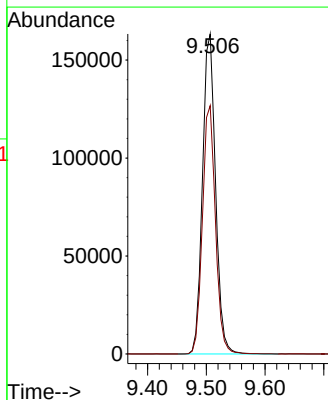
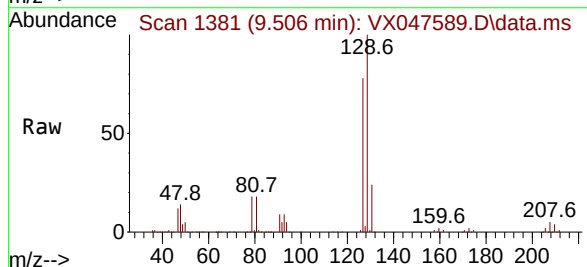
Acq: 16 Sep 2025 11:40

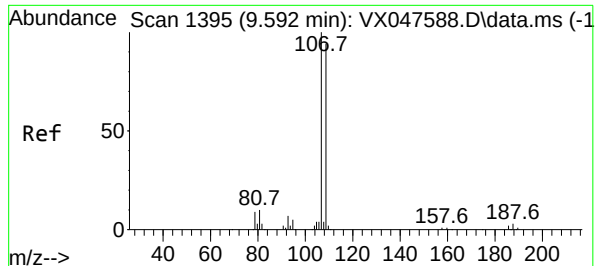
Tgt Ion:129 Resp: 251394

Ion Ratio Lower Upper

129 100

127 77.5 38.4 115.2





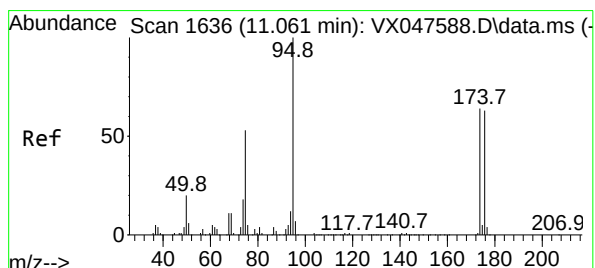
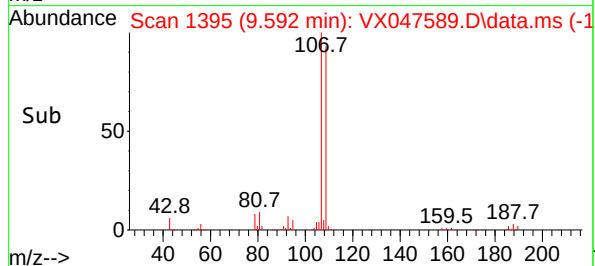
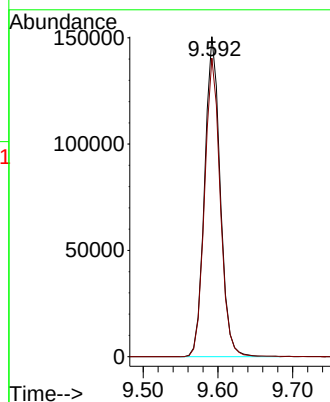
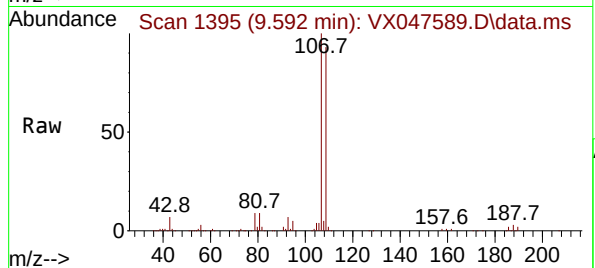
#61
1,2-Dibromoethane
Concen: 101.147 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion: 107 Resp: 21775
Ion Ratio Lower Upper
107 100
109 93.8 75.3 112.9

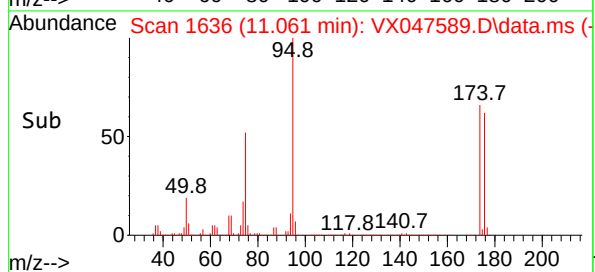
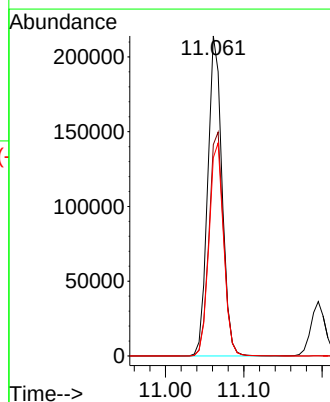
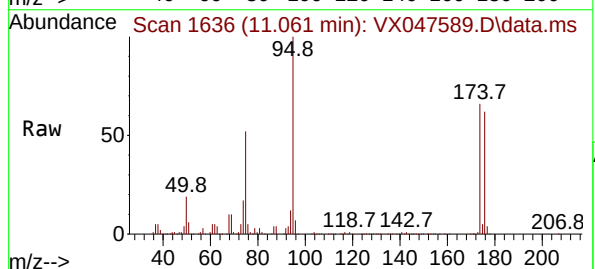
Manual Integrations
APPROVED

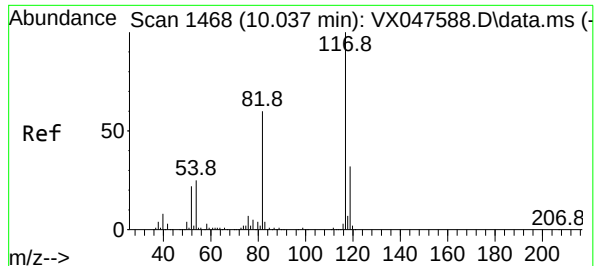
Reviewed By : John Carlone 09/17/2025
Supervised By : Mahesh Dadoda 09/18/2025



#62
4-Bromofluorobenzene
Concen: 102.672 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

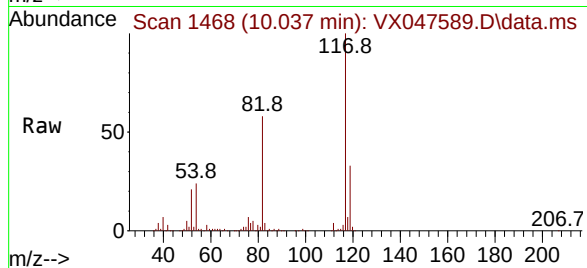
Tgt Ion: 95 Resp: 270289
Ion Ratio Lower Upper
95 100
174 71.7 0.0 141.6
176 68.0 0.0 138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

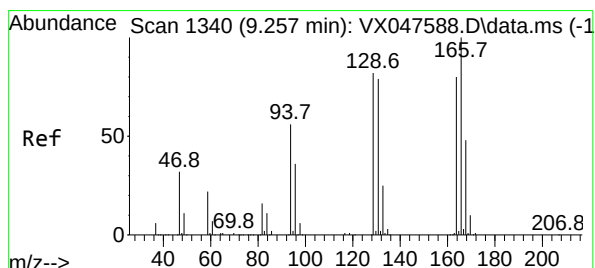
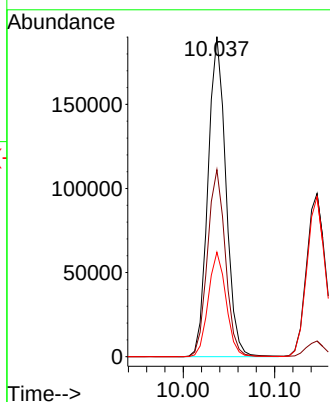
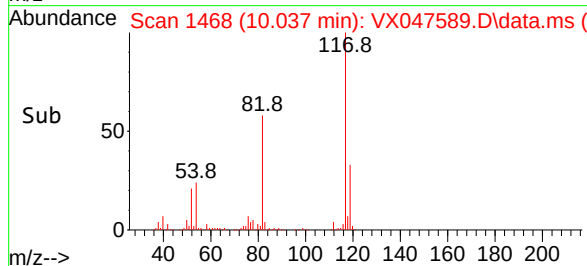
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



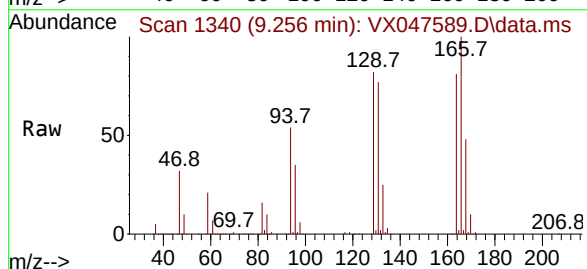
Tgt Ion:117 Resp: 258399
Ion Ratio Lower Upper
117 100
82 58.4 47.8 71.6
119 32.7 25.2 37.8

Manual Integrations
APPROVED

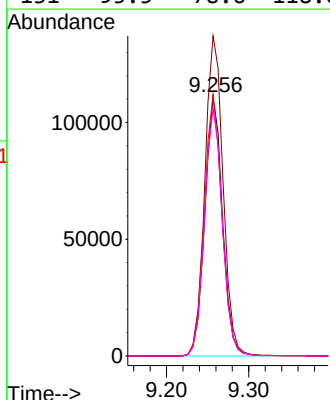
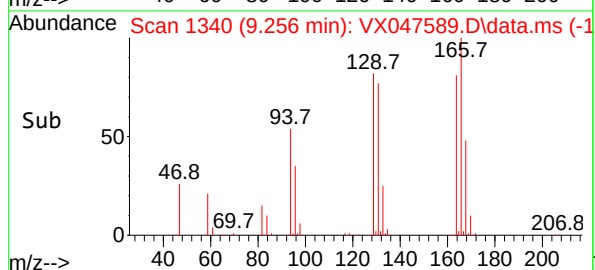
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

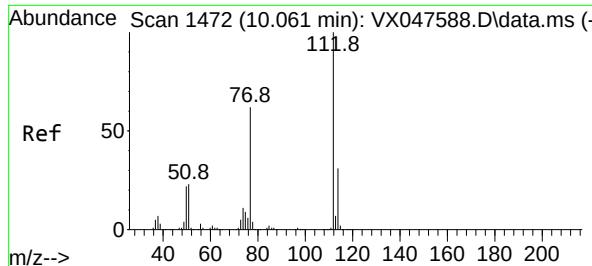


#64
Tetrachloroethene
Concen: 98.284 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40



Tgt Ion:164 Resp: 165559
Ion Ratio Lower Upper
164 100
166 123.6 100.2 150.2
129 100.9 81.8 122.6
131 95.5 78.6 118.0





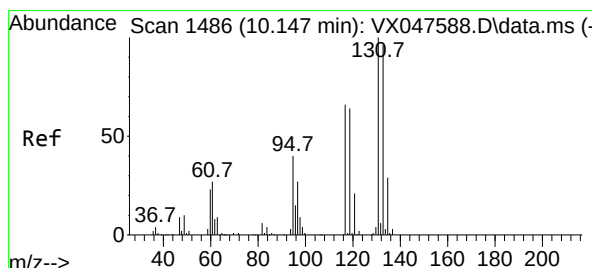
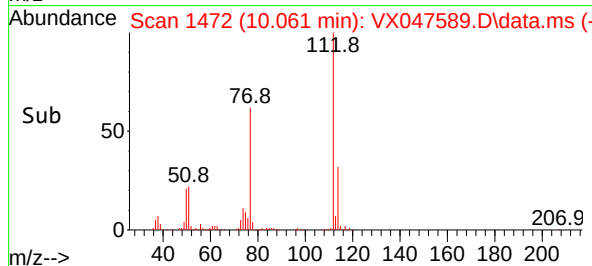
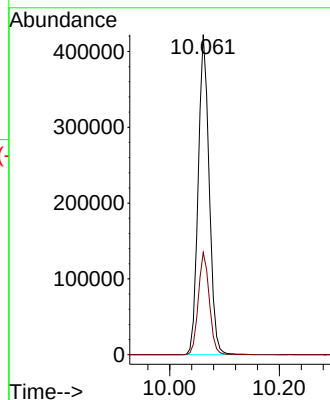
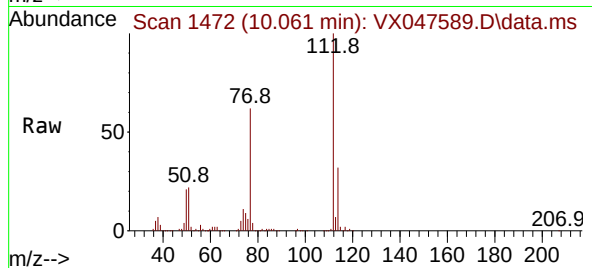
#65
Chlorobenzene
Concen: 100.253 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 58851
Ion Ratio Lower Upper
112 100
114 32.0 25.1 37.7

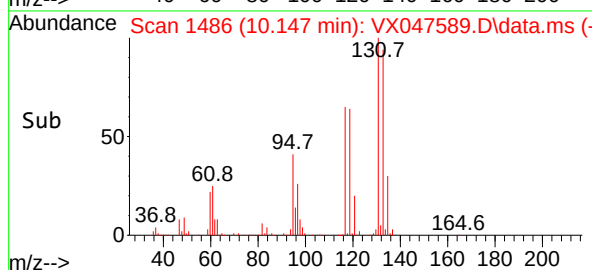
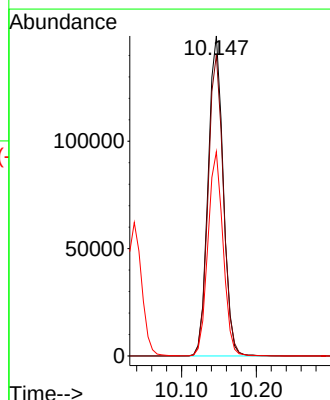
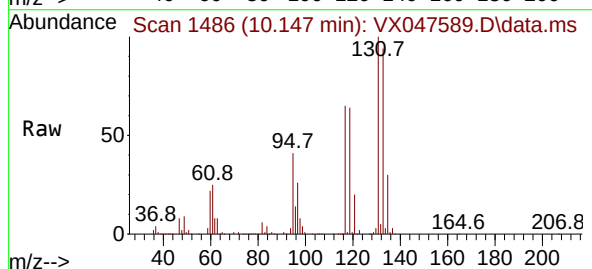
Manual Integrations
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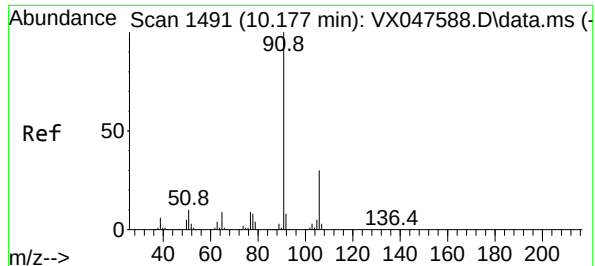
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 102.988 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:131 Resp: 208621
Ion Ratio Lower Upper
131 100
133 95.2 47.3 142.0
119 64.2 32.0 96.0





#67

Ethyl Benzene

Concen: 101.823 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 1031340

Ion Ratio Lower Upper

91 100

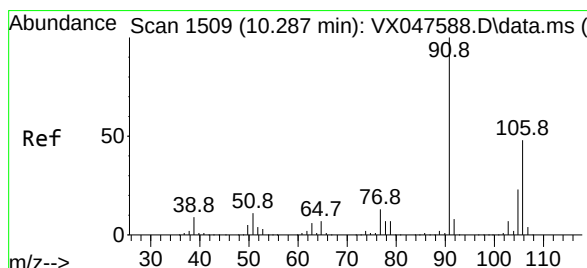
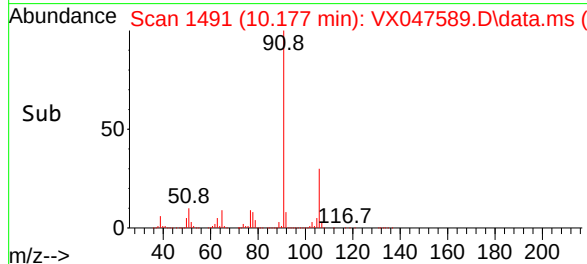
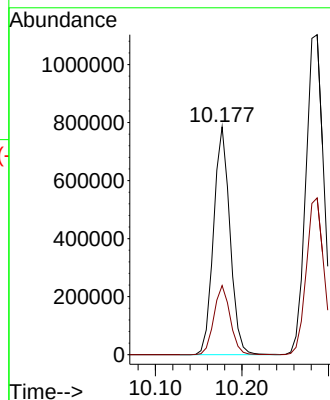
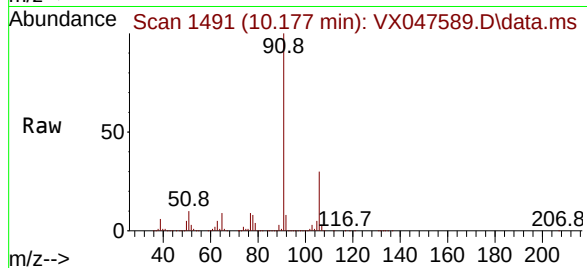
106 30.3 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#68

m/p-Xylenes

Concen: 202.624 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX047589.D

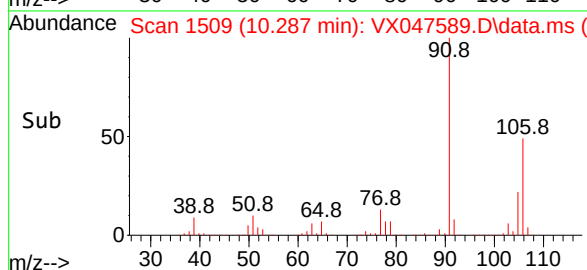
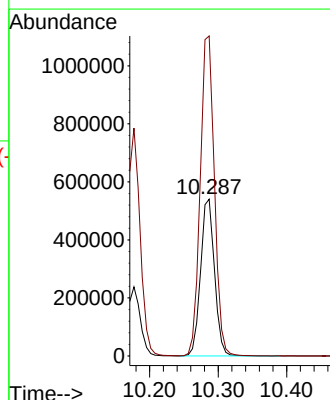
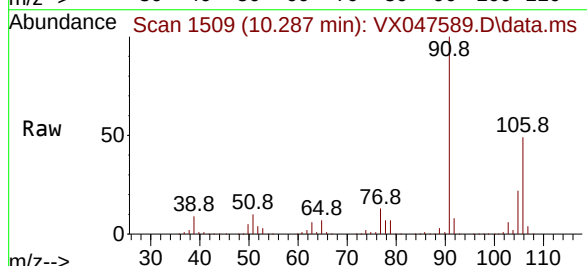
Acq: 16 Sep 2025 11:40

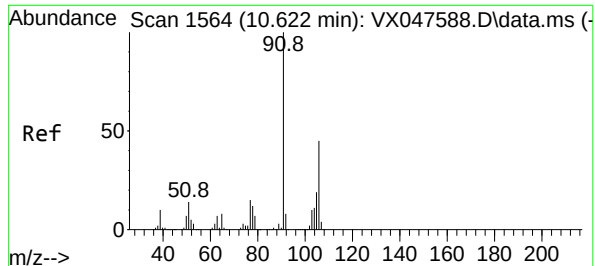
Tgt Ion:106 Resp: 763898

Ion Ratio Lower Upper

106 100

91 208.5 167.8 251.8





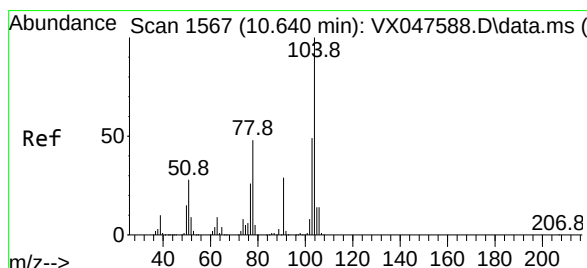
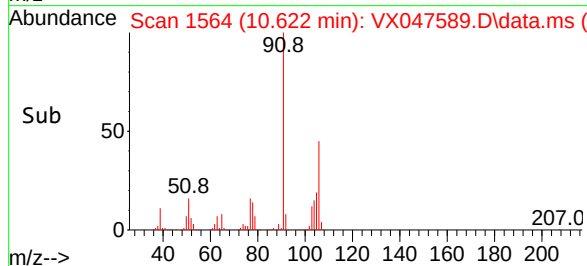
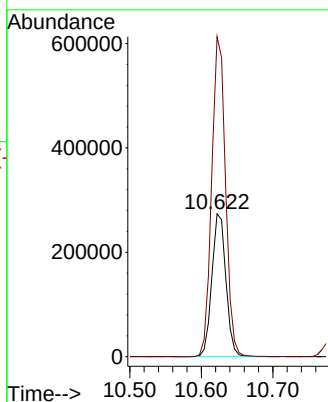
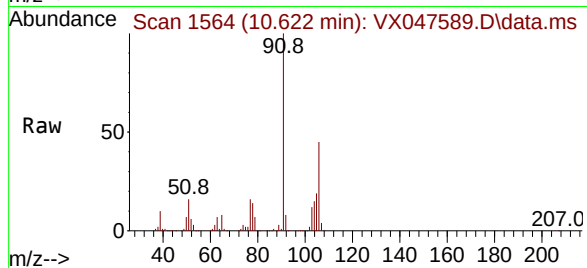
#69
o-Xylene
Concen: 102.186 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 37262
Ion Ratio Lower Upper
106 100
91 221.3 111.1 333.4

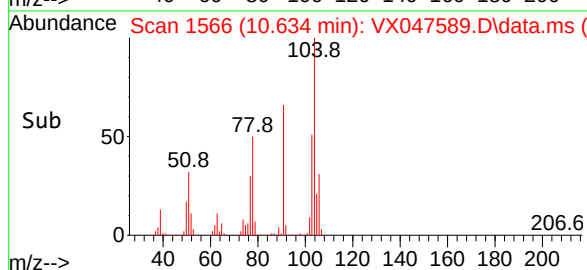
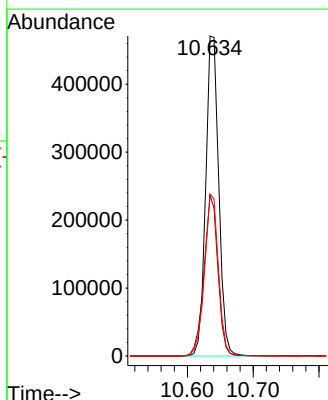
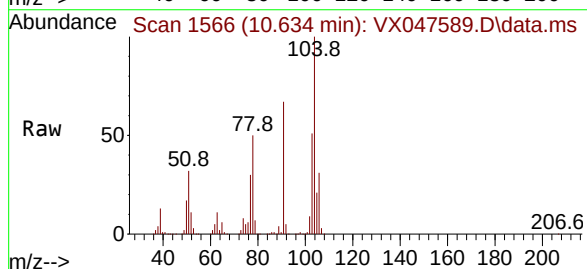
Manual Integrations
APPROVED

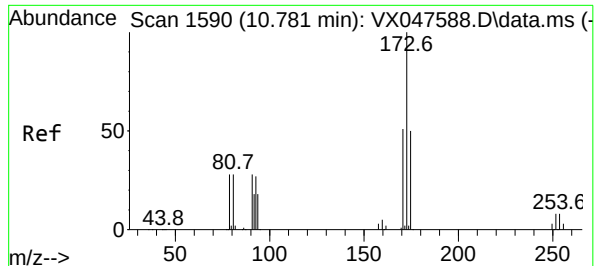
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#70
Styrene
Concen: 101.710 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

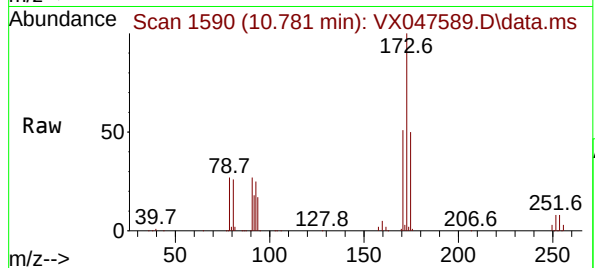
Tgt Ion:104 Resp: 649863
Ion Ratio Lower Upper
104 100
78 53.5 43.1 64.7
103 54.1 43.1 64.7





#71
Bromoform
Concen: 106.566 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

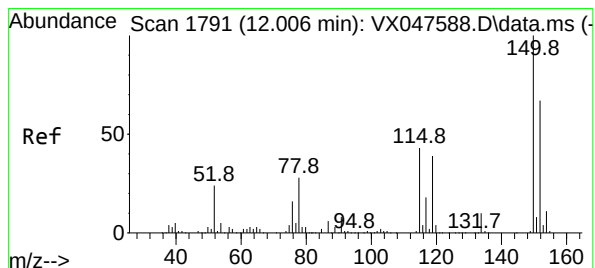
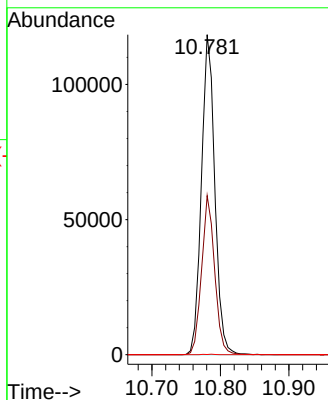
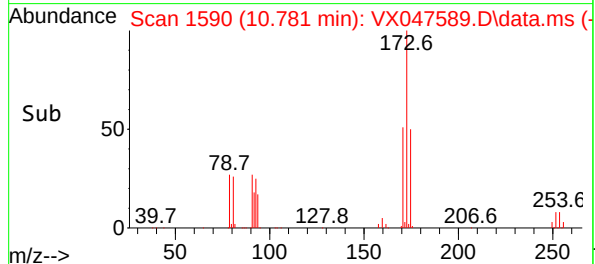
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



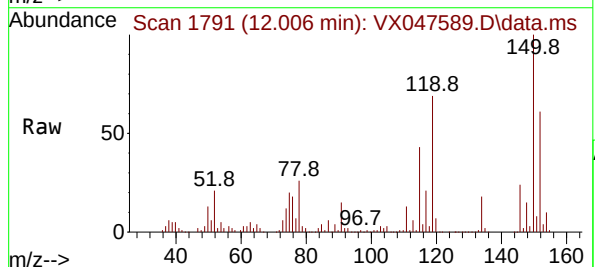
Tgt Ion:173 Resp: 16118
Ion Ratio Lower Upper
173 100
175 48.5 24.9 74.6
254 0.1 0.1 0.1

Manual Integrations
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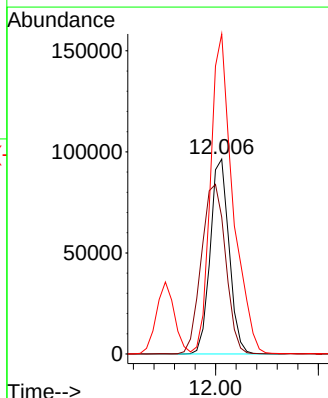
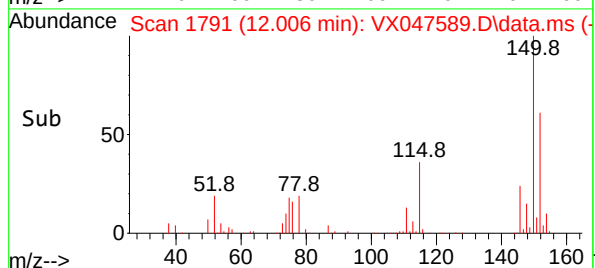
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

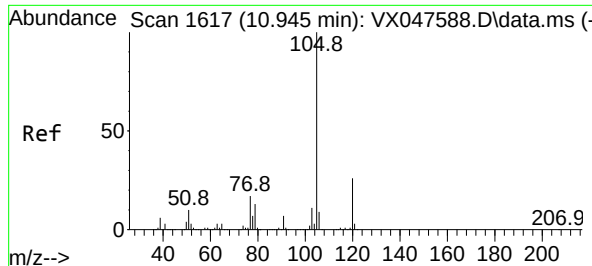


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40



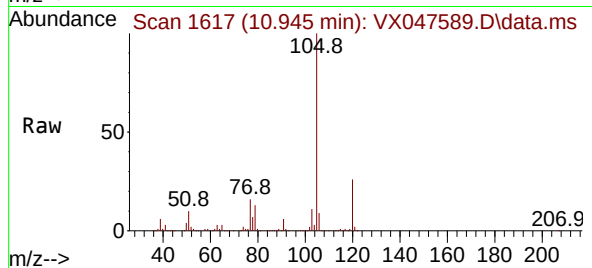
Tgt Ion:152 Resp: 122218
Ion Ratio Lower Upper
152 100
115 112.6 44.9 134.5
150 195.0 0.0 352.0





#73
Isopropylbenzene
Concen: 102.768 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

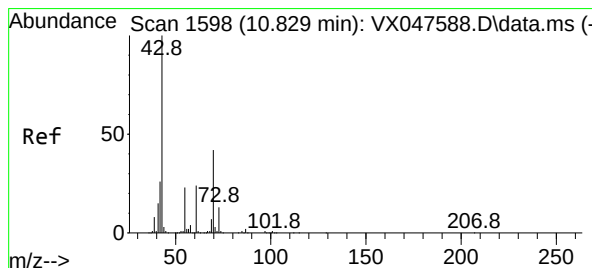
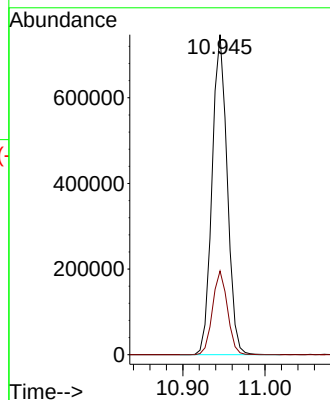
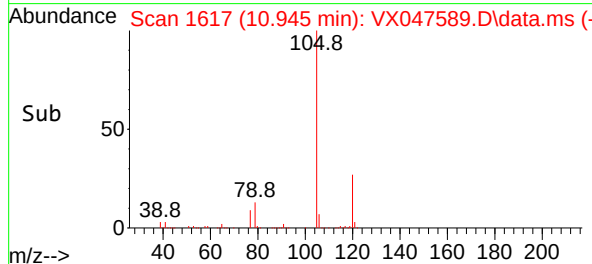
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:105 Resp: 954900
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.4

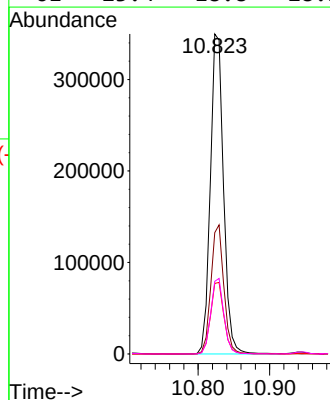
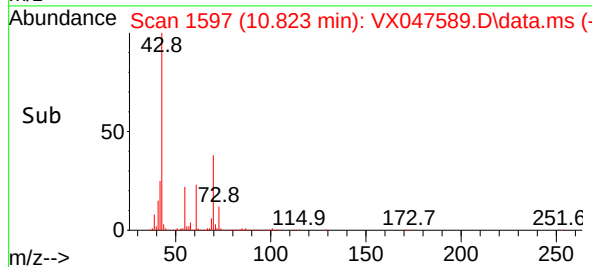
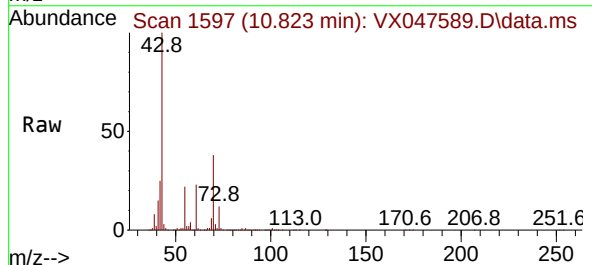
Manual Integrations
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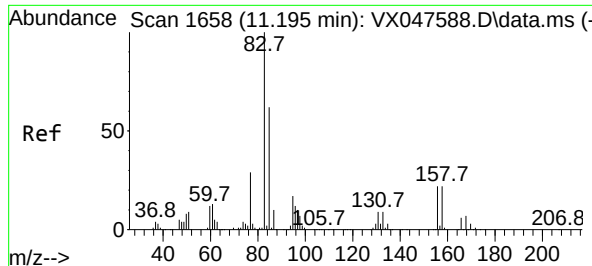
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#74
N-ethyl acetate
Concen: 105.812 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 448344
Ion Ratio Lower Upper
43 100
70 39.6 32.0 48.0
55 22.8 18.9 28.3
61 23.4 18.8 28.2





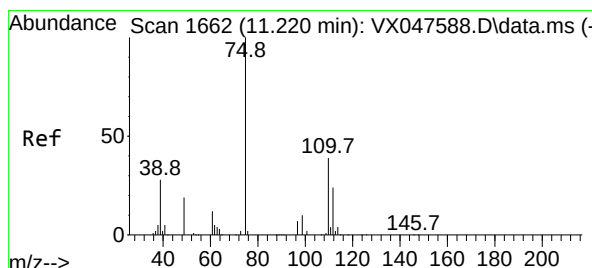
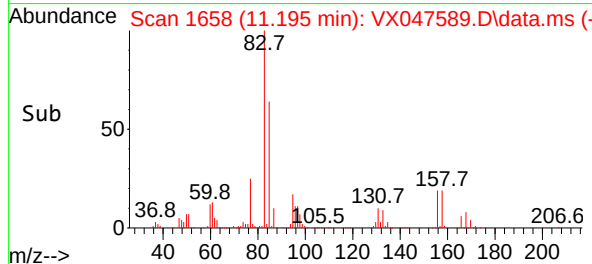
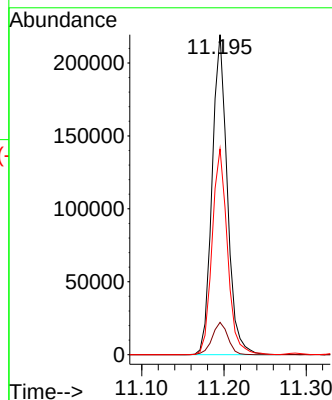
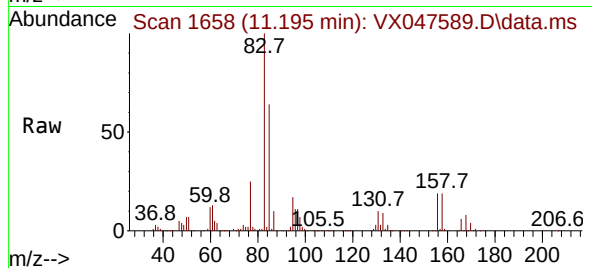
#75
1,1,2,2-Tetrachloroethane
Concen: 100.172 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 281608
Ion Ratio Lower Upper
83 100
131 10.4 5.0 14.9
85 65.1 31.6 95.0

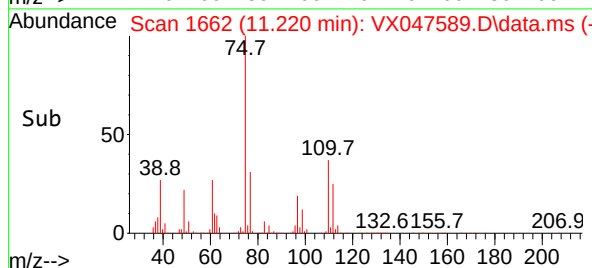
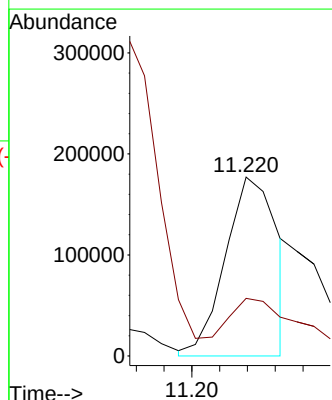
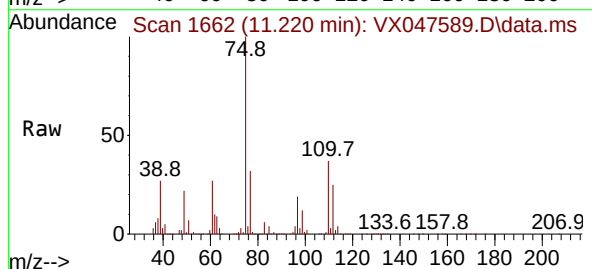
Manual Integrations
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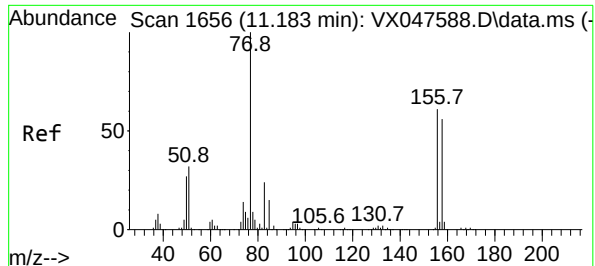
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#76
1,2,3-Trichloropropane
Concen: 90.444 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

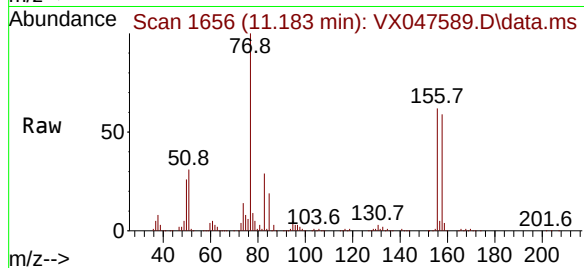
Tgt Ion: 75 Resp: 229521
Ion Ratio Lower Upper
75 100
77 43.9 18.8 56.4





#77
Bromobenzene
Concen: 102.541 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

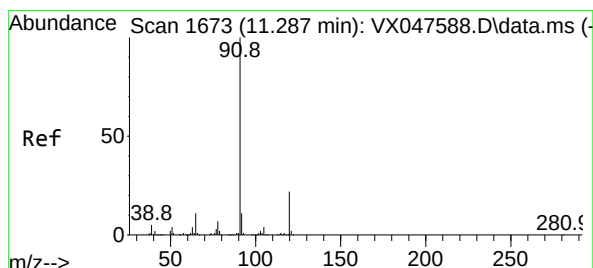
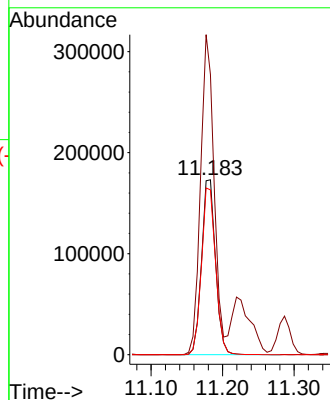
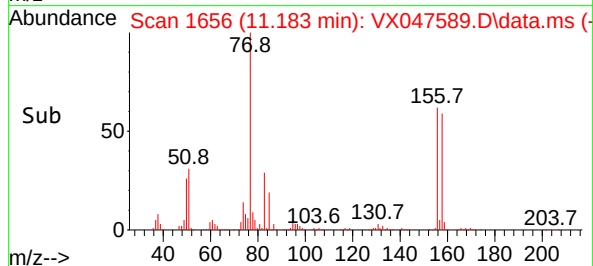
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 156 Resp: 234660
Ion Ratio Lower Upper
156 100
77 176.0 89.7 269.1
158 96.5 47.9 143.6

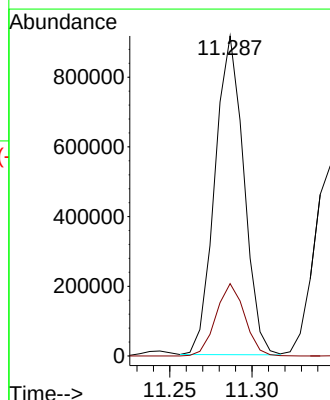
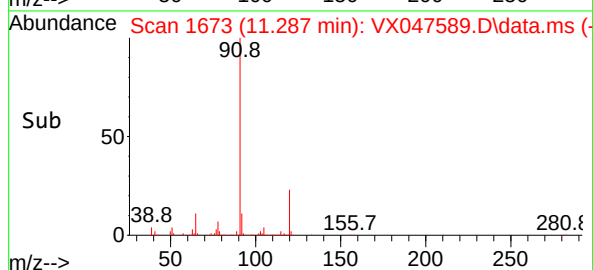
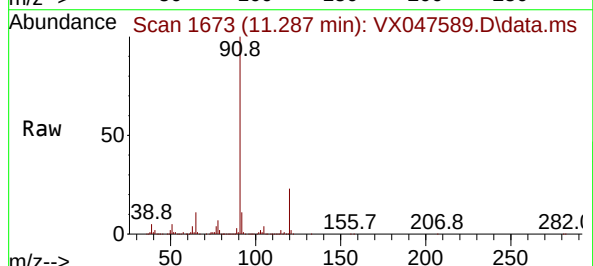
Manual Integrations
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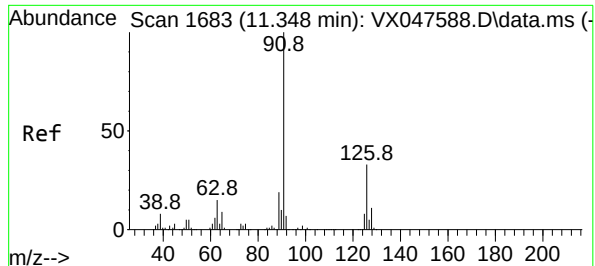
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#78
n-propylbenzene
Concen: 101.941 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 1119728
Ion Ratio Lower Upper
91 100
120 22.4 11.1 33.1





#79

2-Chlorotoluene

Concen: 101.652 ug/l

RT: 11.348 min Scan# 1683

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 68386

Ion Ratio Lower Upper

91 100

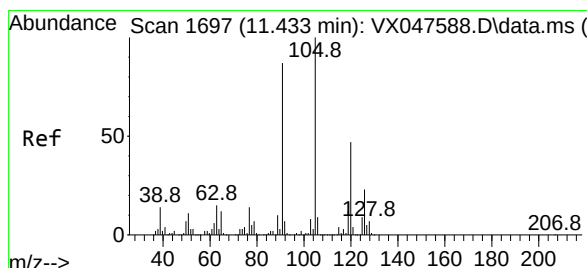
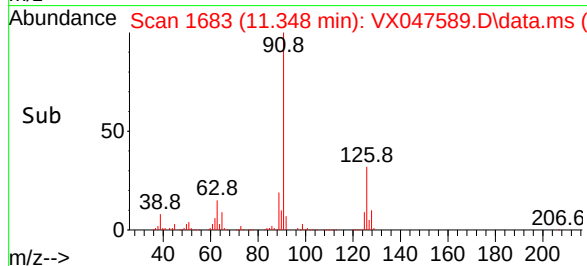
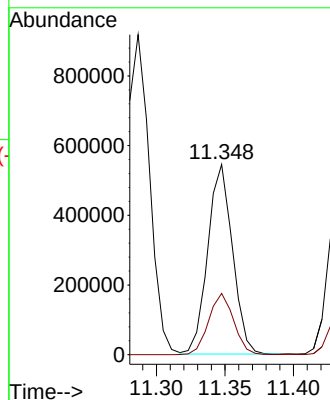
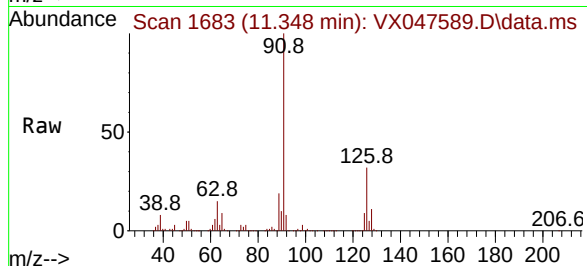
126 32.7 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#80

1,3,5-Trimethylbenzene

Concen: 103.134 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX047589.D

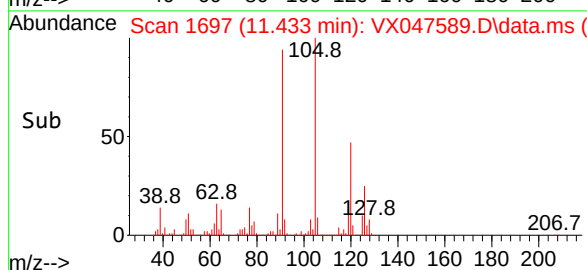
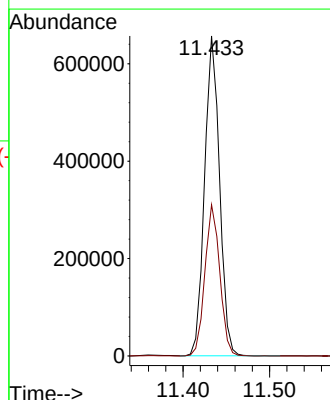
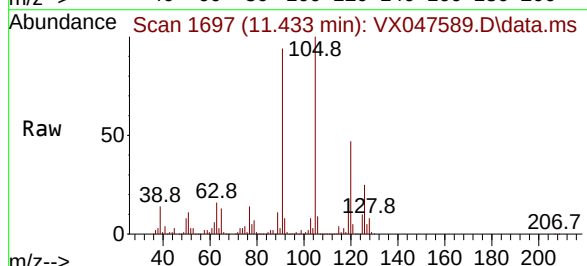
Acq: 16 Sep 2025 11:40

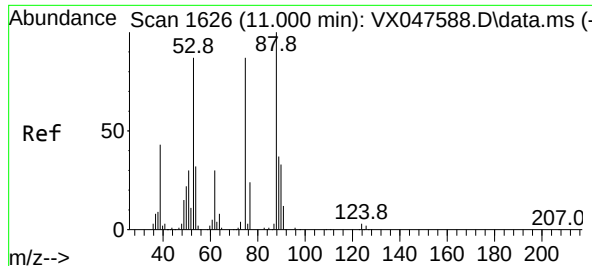
Tgt Ion:105 Resp: 787327

Ion Ratio Lower Upper

105 100

120 47.2 23.6 70.8





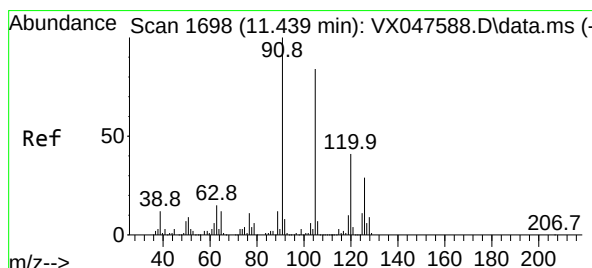
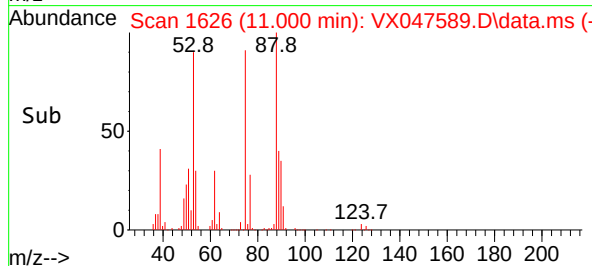
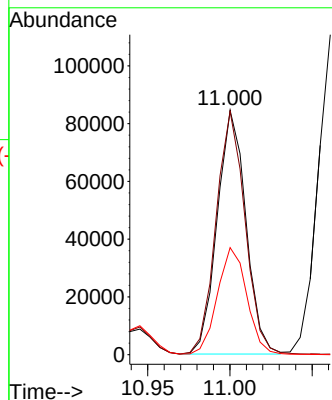
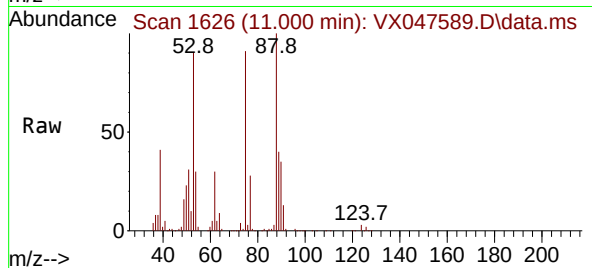
#81
trans-1,4-Dichloro-2-butene
Concen: 105.689 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 10255
Ion Ratio Lower Upper
75 100
53 101.1 83.4 125.2
89 45.3 36.3 54.5

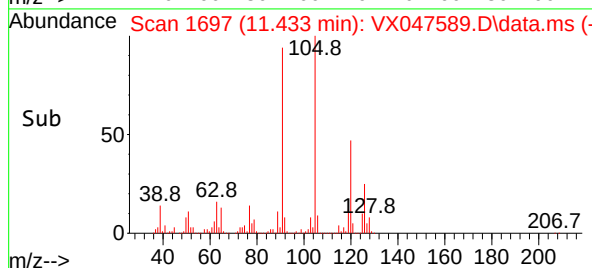
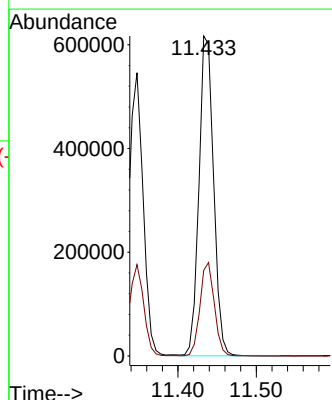
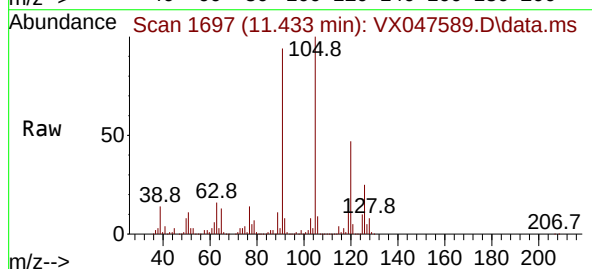
Manual Integrations
APPROVED

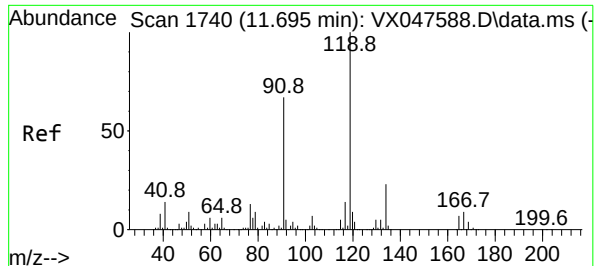
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#82
4-Chlorotoluene
Concen: 101.054 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 802929
Ion Ratio Lower Upper
91 100
126 28.6 14.2 42.6





#83

tert-Butylbenzene

Concen: 101.333 ug/l

RT: 11.695 min Scan# 1740

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:119 Resp: 791890

Ion Ratio Lower Upper

119 100

91 59.3 29.6 88.8

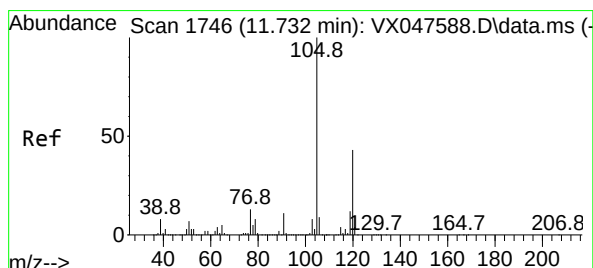
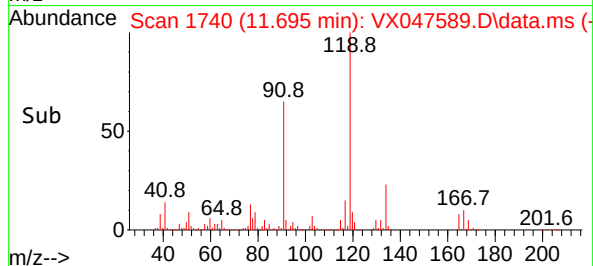
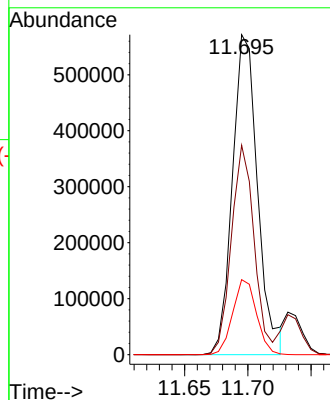
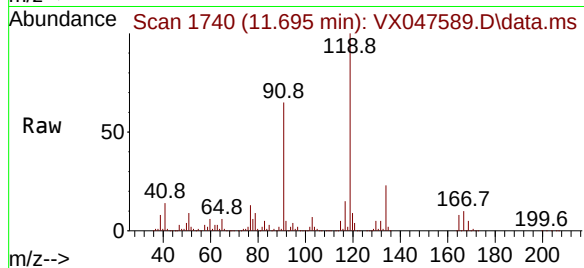
134 22.3 11.0 33.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#84

1,2,4-Trimethylbenzene

Concen: 102.144 ug/l

RT: 11.732 min Scan# 1746

Delta R.T. -0.000 min

Lab File: VX047589.D

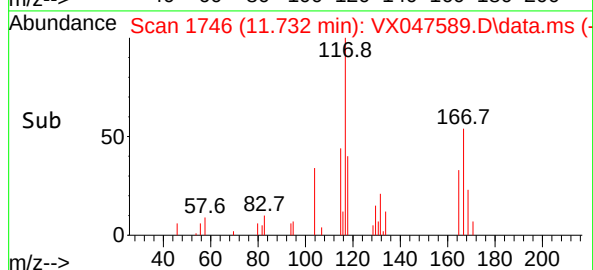
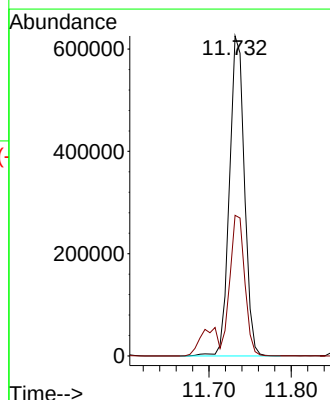
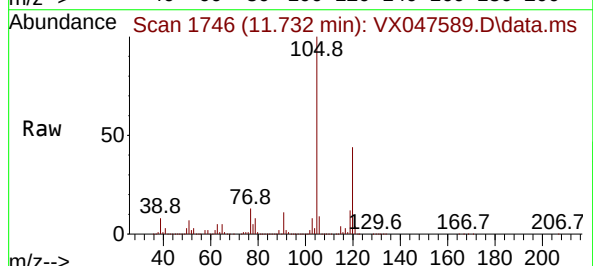
Acq: 16 Sep 2025 11:40

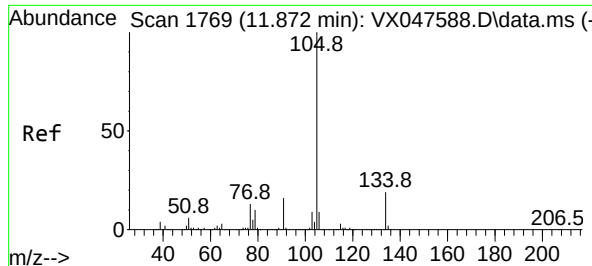
Tgt Ion:105 Resp: 790557

Ion Ratio Lower Upper

105 100

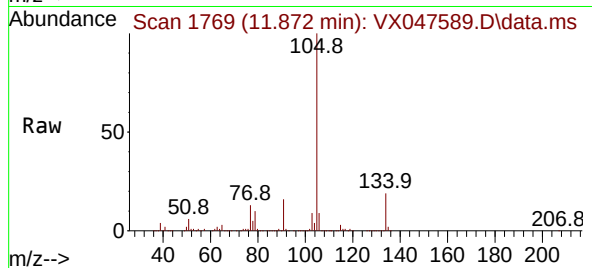
120 43.6 22.1 66.1





#85
sec-Butylbenzene
Concen: 101.840 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

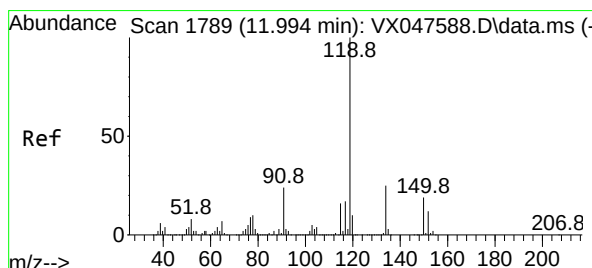
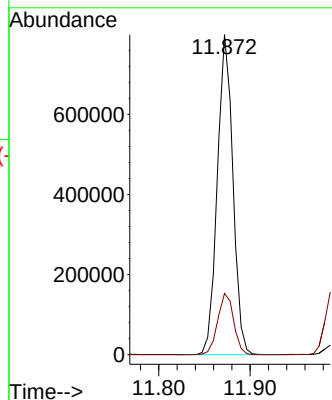
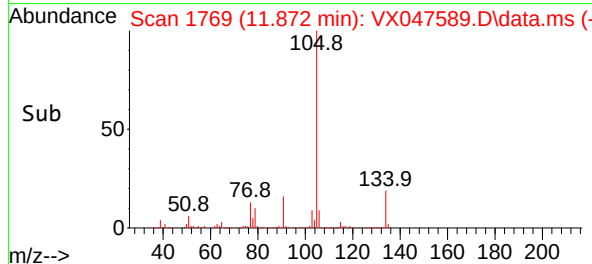
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



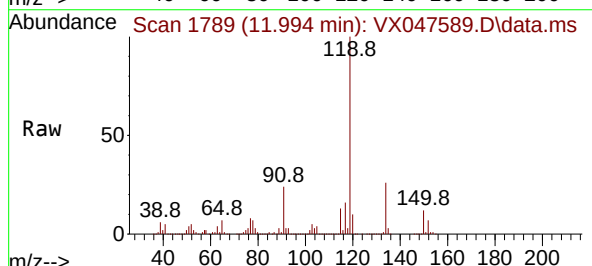
Tgt Ion:105 Resp: 94532
Ion Ratio Lower Upper
105 100
134 19.7 9.8 29.5

Manual Integrations
APPROVED

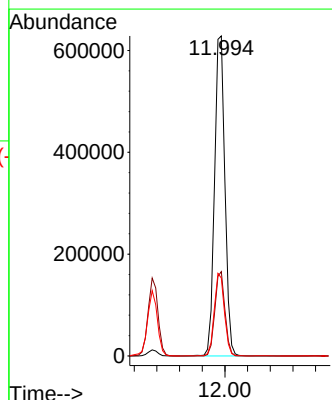
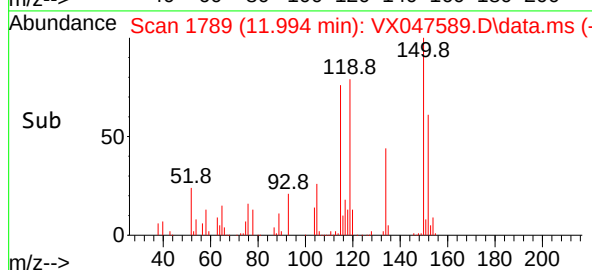
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

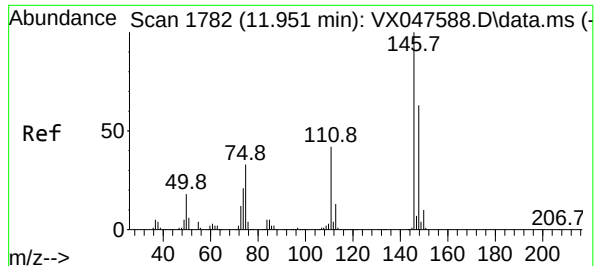


#86
p-Isopropyltoluene
Concen: 101.501 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40



Tgt Ion:119 Resp: 797643
Ion Ratio Lower Upper
119 100
134 25.6 12.6 37.8
91 25.2 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 101.689 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 432248

Ion Ratio Lower Upper

146 100

111 42.7 21.5 64.5

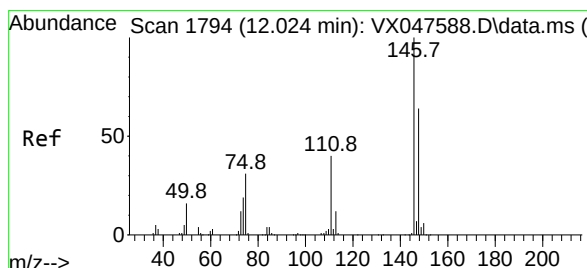
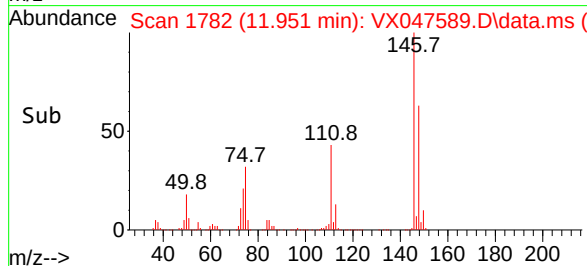
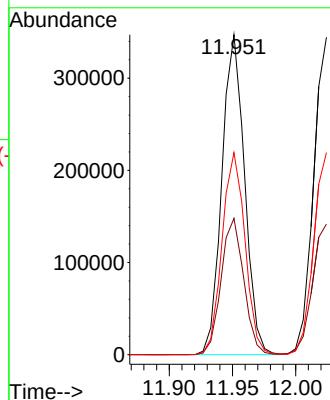
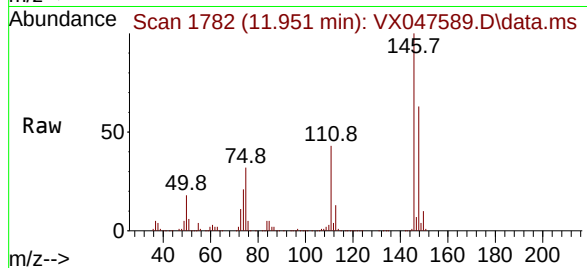
148 63.9 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#88

1,4-Dichlorobenzene

Concen: 98.985 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

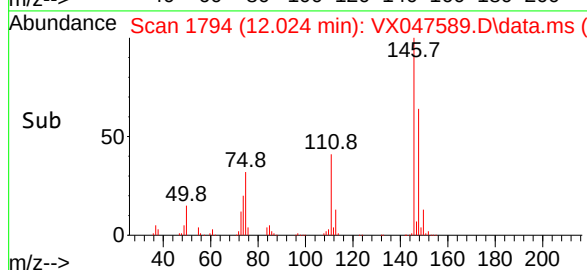
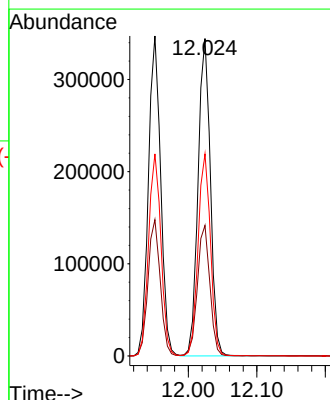
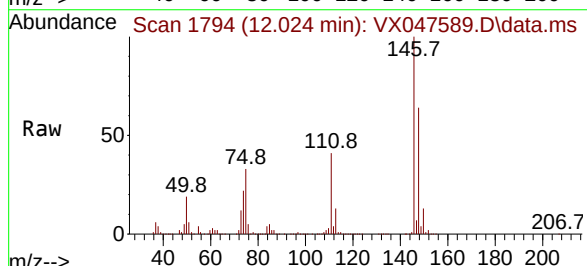
Tgt Ion:146 Resp: 431839

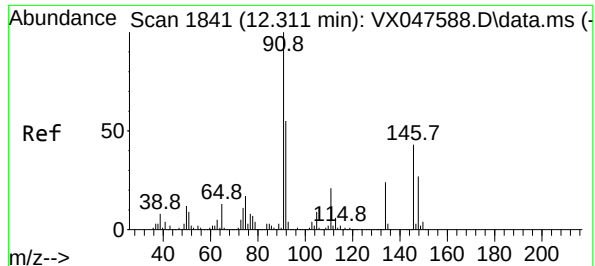
Ion Ratio Lower Upper

146 100

111 41.6 20.8 62.4

148 63.8 31.7 95.1





#89

n-Butylbenzene

Concen: 104.138 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 757239

Ion Ratio Lower Upper

91 100

92 54.4 27.6 82.7

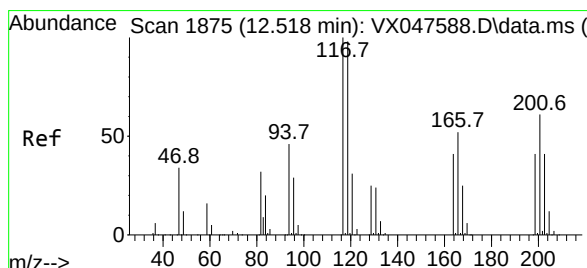
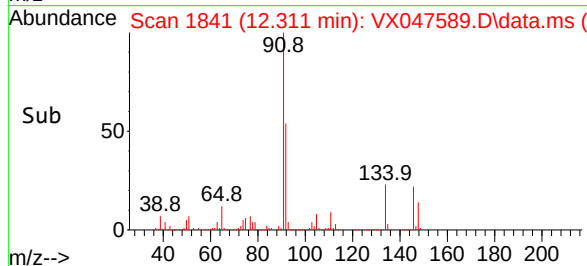
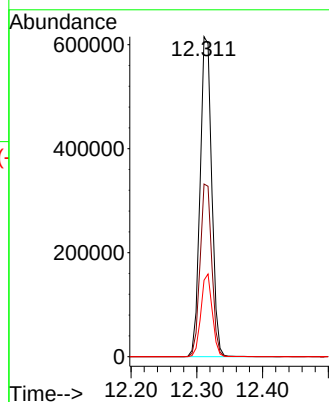
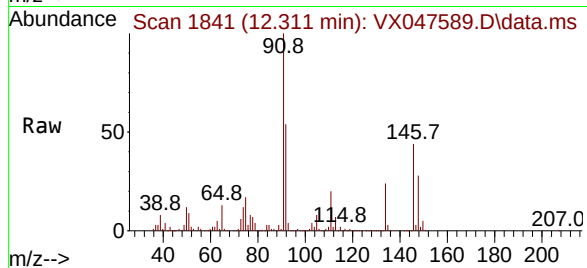
134 25.1 12.6 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#90

Hexachloroethane

Concen: 107.304 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX047589.D

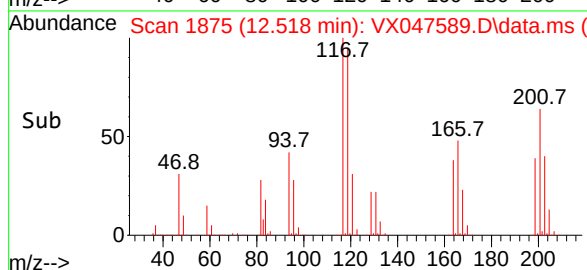
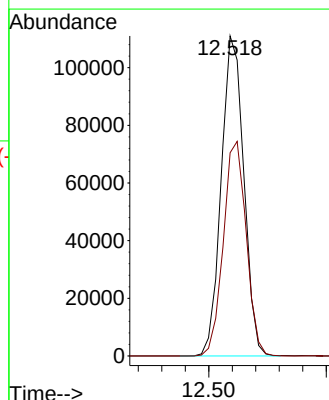
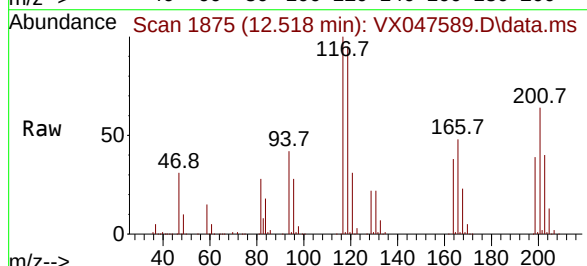
Acq: 16 Sep 2025 11:40

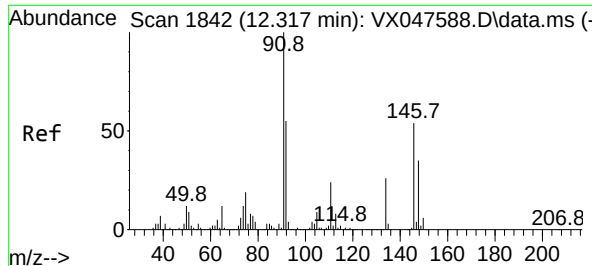
Tgt Ion:117 Resp: 148048

Ion Ratio Lower Upper

117 100

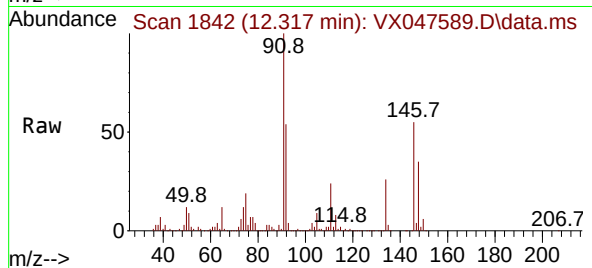
201 68.1 34.2 102.5





#91
1,2-Dichlorobenzene
Concen: 102.352 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

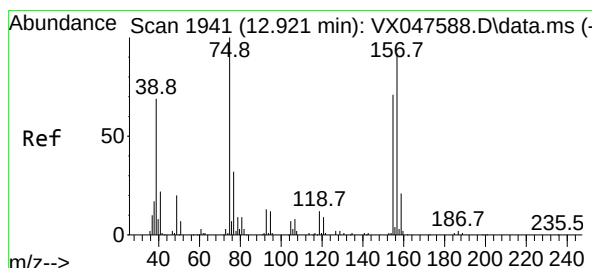
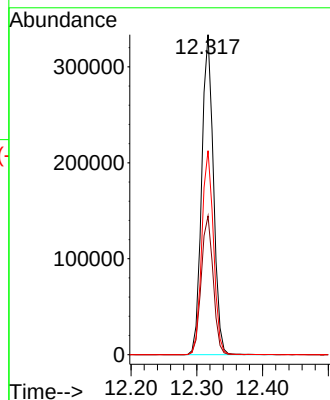
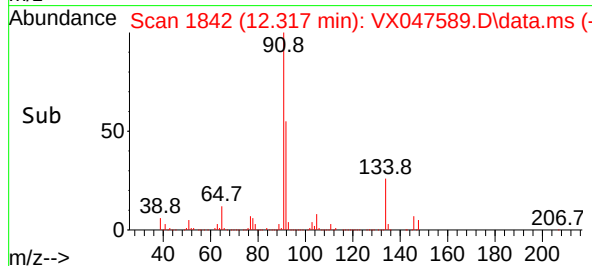
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:146 Resp: 41449
Ion Ratio Lower Upper
146 100
111 43.9 22.2 66.6
148 63.4 31.8 95.4

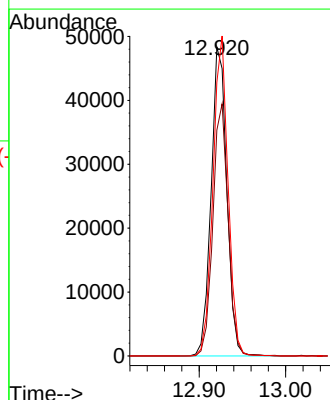
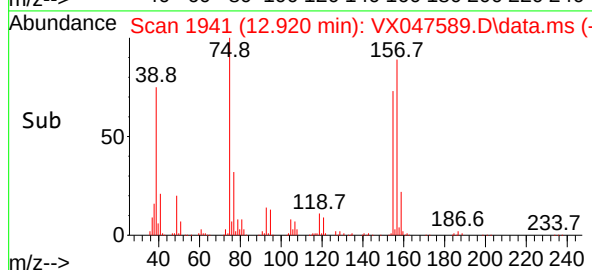
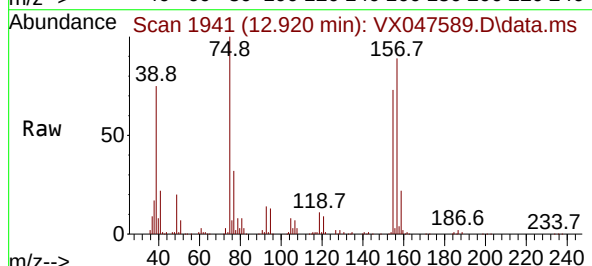
Manual Integrations
APPROVED

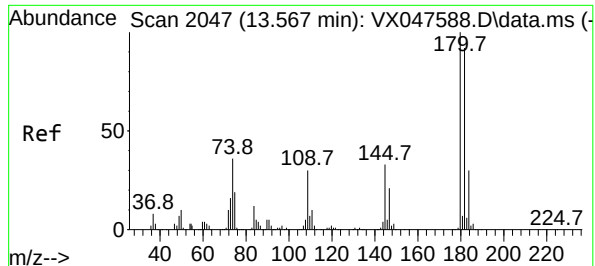
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 107.225 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 61029
Ion Ratio Lower Upper
75 100
155 79.0 37.7 113.1
157 99.2 49.8 149.4





#93

1,2,4-Trichlorobenzene

Concen: 105.922 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

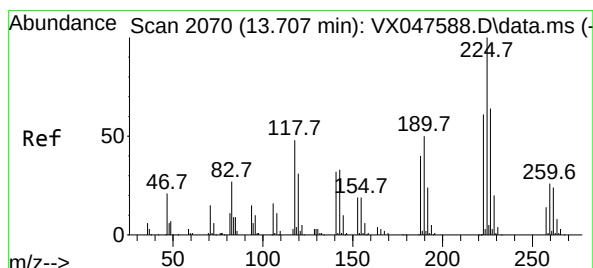
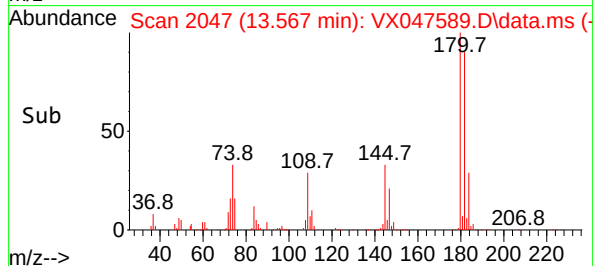
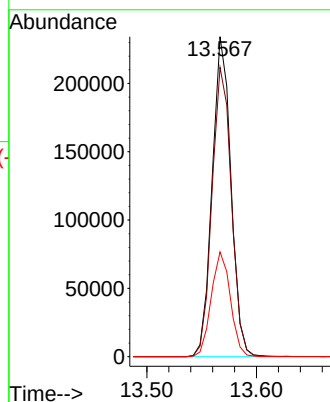
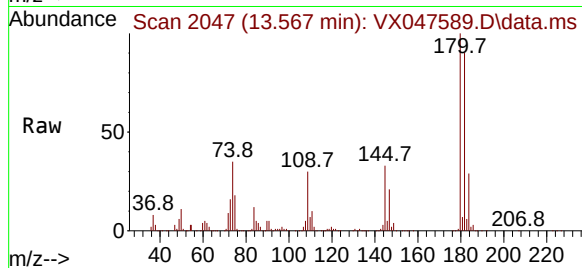
ClientSampleId :

VSTDICC100

Tgt Ion:	180	Resp:	27877
Ion Ratio	Lower	Upper	
180	100		
182	93.2	46.6	139.8
145	33.3	16.4	49.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#94

Hexachlorobutadiene

Concen: 103.049 ug/l

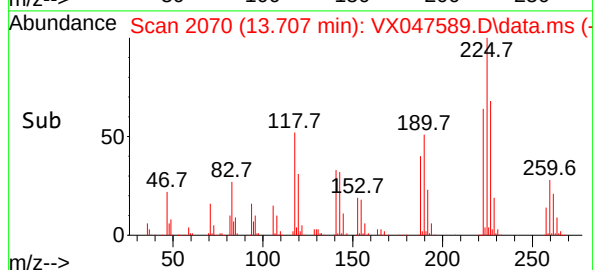
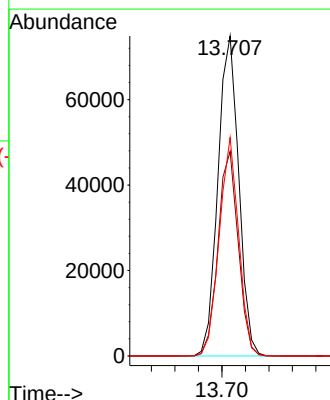
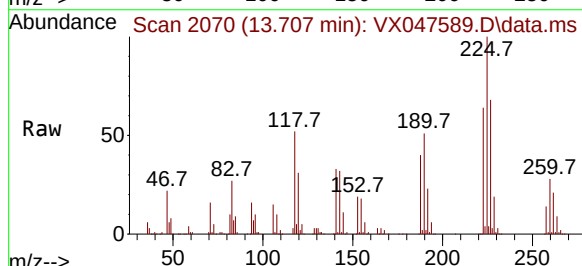
RT: 13.707 min Scan# 2070

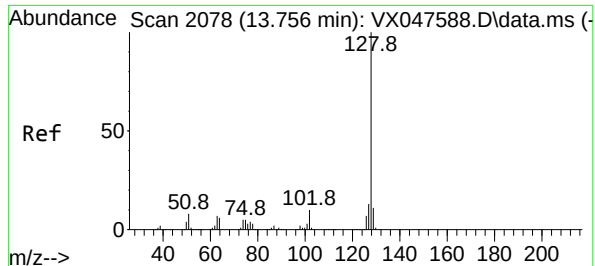
Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Tgt Ion:	225	Resp:	92124
Ion Ratio	Lower	Upper	
225	100		
223	62.0	31.7	95.1
227	63.8	32.0	96.0





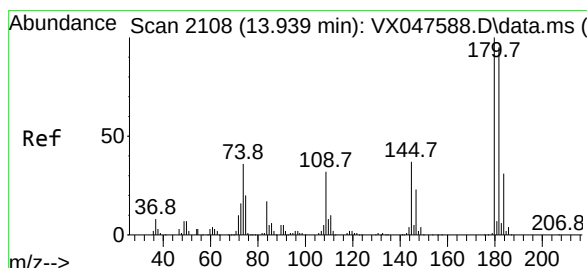
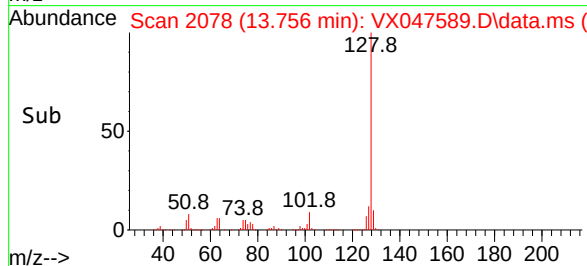
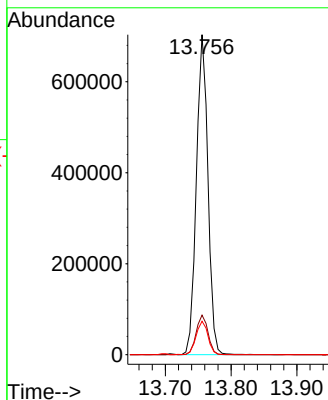
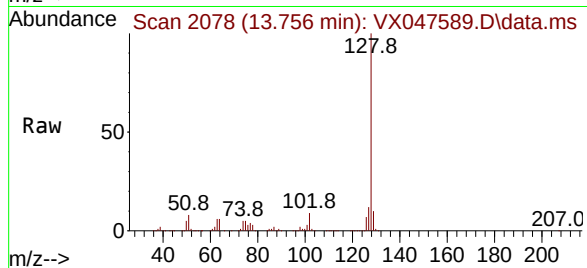
#95
Naphthalene
Concen: 106.620 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 854492
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.8 8.8 13.2

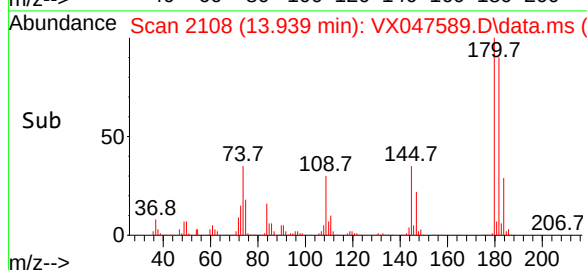
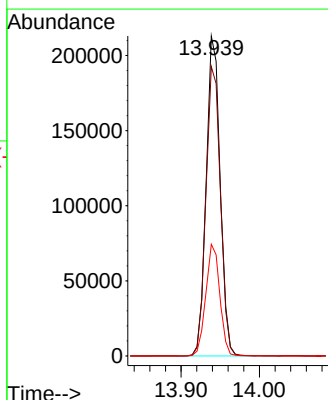
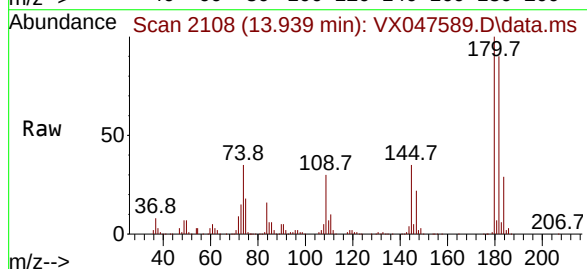
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 107.633 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 263512
Ion Ratio Lower Upper
180 100
182 93.6 47.6 142.8
145 35.0 17.9 53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047590.D
 Acq On : 16 Sep 2025 12:01
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 17 06:16:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/18/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	153177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	274804	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	241818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114743	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.940	65	396627	162.673	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 325.340%#	
35) Dibromofluoromethane	5.373	113	303728	164.802	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 329.600%#	
50) Toluene-d8	8.635	98	1041079	163.253	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 326.500%#	
62) 4-Bromofluorobenzene	11.067	95	399386	165.020	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 330.040%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	226166	142.586	ug/l	99
3) Chloromethane	1.301	50	297259	142.593	ug/l	99
4) Vinyl Chloride	1.380	62	302303	148.140	ug/l	98
5) Bromomethane	1.605	94	147541	114.019	ug/l	98
6) Chloroethane	1.691	64	195927	143.652	ug/l	99
7) Trichlorofluoromethane	1.892	101	453116	149.545	ug/l	99
8) Diethyl Ether	2.136	74	188006	151.684	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	267995	151.264	ug/l	99
10) Methyl Iodide	2.453	142	407242	147.384	ug/l	99
11) Tert butyl alcohol	2.959	59	215927	795.166	ug/l	100
12) 1,1-Dichloroethene	2.325	96	273692	150.388	ug/l	97
13) Acrolein	2.239	56	223763	894.203	ug/l	98
14) Allyl chloride	2.666	41	554779	147.727	ug/l	99
15) Acrylonitrile	3.063	53	790790	786.201	ug/l	99
16) Acetone	2.380	43	686119	647.201	ug/l	98
17) Carbon Disulfide	2.514	76	714503	143.412	ug/l	99
18) Methyl Acetate	2.703	43	404736	171.548	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	1015295	152.826	ug/l	100
20) Methylene Chloride	2.788	84	324032	144.398	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	291616	148.833	ug/l	98
22) Diisopropyl ether	3.757	45	1095726	150.551	ug/l	97
23) Vinyl Acetate	3.715	43	4504849	773.364	ug/l	100
24) 1,1-Dichloroethane	3.605	63	587129	151.776	ug/l	98
25) 2-Butanone	4.544	43	973938	736.502	ug/l	99
26) 2,2-Dichloropropane	4.471	77	486890	151.414	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	366262	152.638	ug/l	99
28) Bromochloromethane	4.885	49	289548	171.451	ug/l	99
29) Tetrahydrofuran	4.989	42	616374	774.811	ug/l	100
30) Chloroform	5.080	83	591709	151.367	ug/l	99
31) Cyclohexane	5.458	56	456119	141.570	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	506654	152.802	ug/l	99
36) 1,1-Dichloropropene	5.684	75	386601	143.556	ug/l	99
37) Ethyl Acetate	4.702	43	444461	154.141	ug/l	99
38) Carbon Tetrachloride	5.666	117	427263	146.021	ug/l	98
39) Methylcyclohexane	7.367	83	456694	149.395	ug/l	98
40) Benzene	6.025	78	1202846	147.057	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047590.D
 Acq On : 16 Sep 2025 12:01
 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 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:16:11 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M

Quant Title : SW846 8260

QLast Update : Wed Sep 17 06:04:35 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	223218	149.951	ug/l	99
42) 1,2-Dichloroethane	6.074	62	455978	146.515	ug/l	99
43) Isopropyl Acetate	6.324	43	724888	153.283	ug/l	99
44) Trichloroethene	7.111	130	299673	151.542	ug/l	96
45) 1,2-Dichloropropane	7.415	63	316720	151.219	ug/l	99
46) Dibromomethane	7.568	93	228550	149.954	ug/l	97
47) Bromodichloromethane	7.806	83	483438	153.710	ug/l	98
48) Methyl methacrylate	7.678	41	367931	156.194	ug/l	99
49) 1,4-Dioxane	7.647	88	82739	3475.565	ug/l	98
51) 4-Methyl-2-Pentanone	8.562	43	2008063	765.849	ug/l	100
52) Toluene	8.702	92	739332	146.712	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	503912	157.076	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	530566	154.732	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	289103	148.781	ug/l	99
56) Ethyl methacrylate	9.104	69	490623	160.773	ug/l	97
57) 1,3-Dichloropropane	9.293	76	502121	150.426	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.232	63	1202206	749.661	ug/l	99
59) 2-Hexanone	9.415	43	1412417	750.035	ug/l	99
60) Dibromochloromethane	9.506	129	347748	155.318	ug/l	98
61) 1,2-Dibromoethane	9.592	107	302715	152.949	ug/l	99
64) Tetrachloroethene	9.263	164	227931	144.590	ug/l	98
65) Chlorobenzene	10.061	112	828239	150.763	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	291433	153.733	ug/l	98
67) Ethyl Benzene	10.177	91	1431554	151.026	ug/l	99
68) m/p-Xylenes	10.287	106	1059776	300.381	ug/l	99
69) o-Xylene	10.628	106	521840	152.920	ug/l	99
70) Styrene	10.640	104	917532	153.449	ug/l	99
71) Bromoform	10.781	173	229683	162.262	ug/l	99
73) Isopropylbenzene	10.945	105	1321409	151.477	ug/l	99
74) N-amyl acetate	10.829	43	636879	160.099	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	403906	153.035	ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	366171m	153.692	ug/l	
77) Bromobenzene	11.183	156	328336	152.818	ug/l	99
78) n-propylbenzene	11.287	91	1550316	150.337	ug/l	99
79) 2-Chlorotoluene	11.348	91	939707	148.781	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	1091593	152.306	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	145921	160.176	ug/l	97
82) 4-Chlorotoluene	11.439	91	1127233	151.112	ug/l	100
83) tert-Butylbenzene	11.701	119	1106532	150.819	ug/l	99
84) 1,2,4-Trimethylbenzene	11.738	105	1106914	152.336	ug/l	100
85) sec-Butylbenzene	11.872	105	1319819	151.448	ug/l	99
86) p-Isopropyltoluene	11.994	119	1103210	149.530	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	605123	151.633	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	613617	149.814	ug/l	99
89) n-Butylbenzene	12.317	91	1032357	151.222	ug/l	100
90) Hexachloroethane	12.518	117	211472	163.258	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	582565	153.227	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	89415	167.332	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	387652	156.884	ug/l	98
94) Hexachlorobutadiene	13.707	225	121791	145.110	ug/l	99
95) Naphthalene	13.756	128	1229363	163.388	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	369382	160.704	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

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

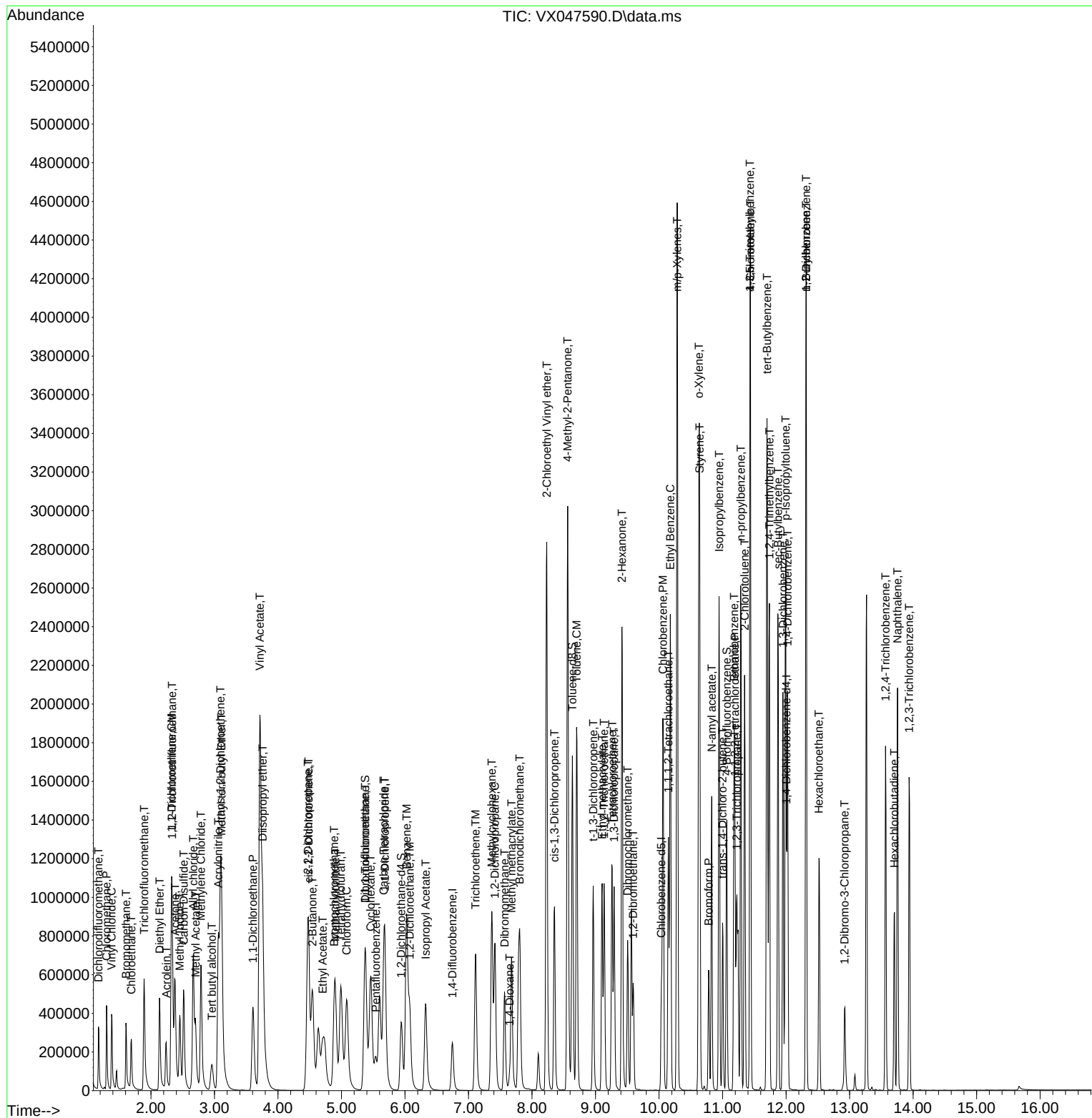
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDIC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

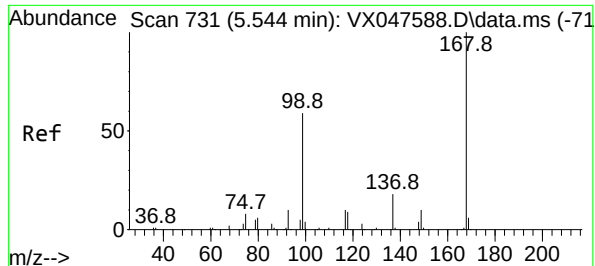
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : John Carlone 09/17/2025
Supervised By : Mahesh Dadoda 09/18/2025





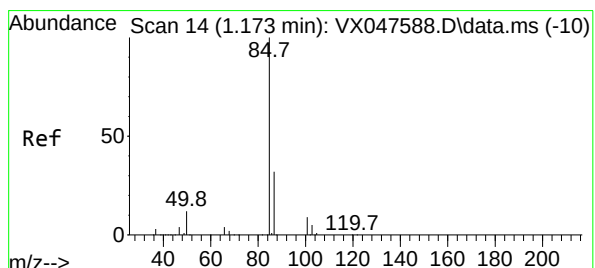
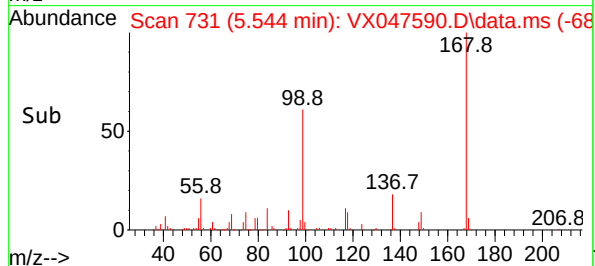
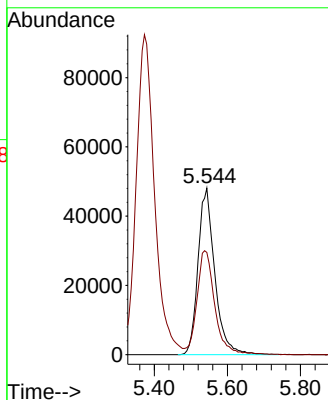
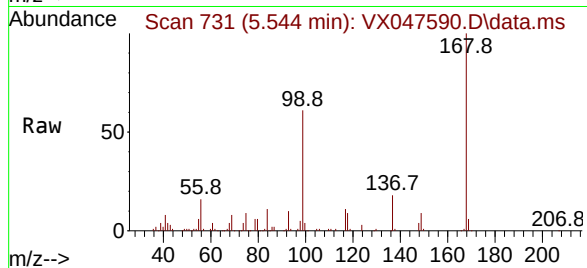
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 15317
Ion Ratio Lower Upper
168 100
99 61.1 48.8 73.2

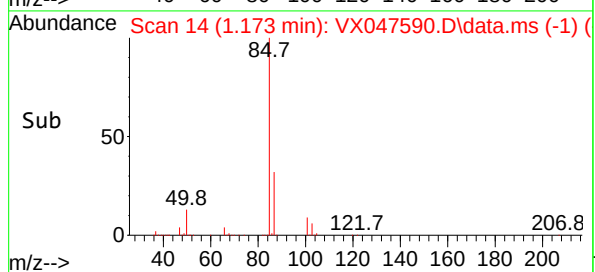
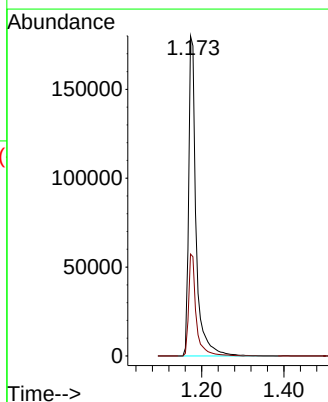
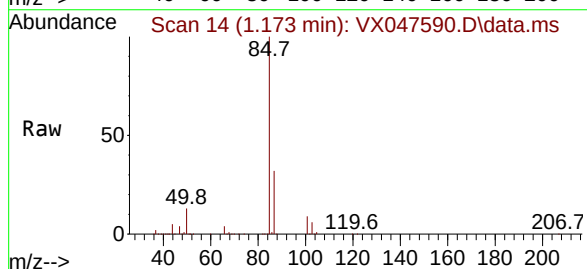
Manual Integrations
APPROVED

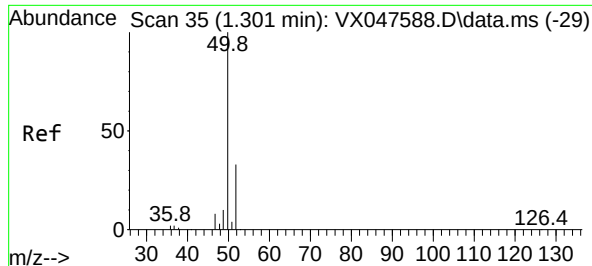
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#2
Dichlorodifluoromethane
Concen: 142.586 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 85 Resp: 226166
Ion Ratio Lower Upper
85 100
87 31.8 15.8 47.3





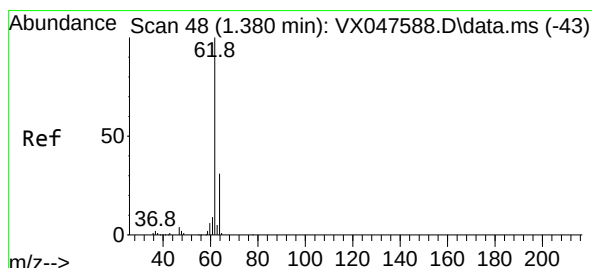
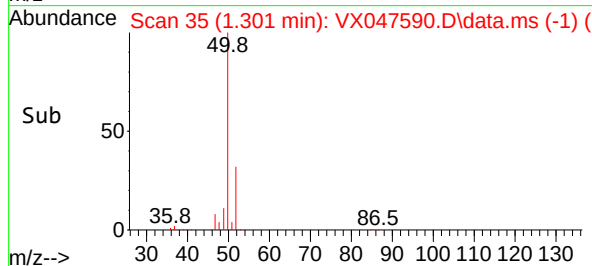
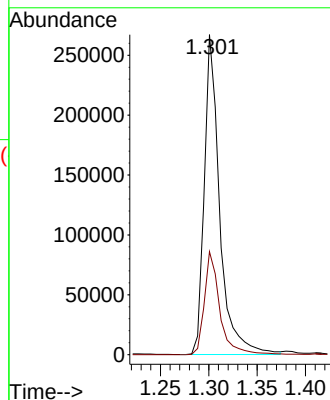
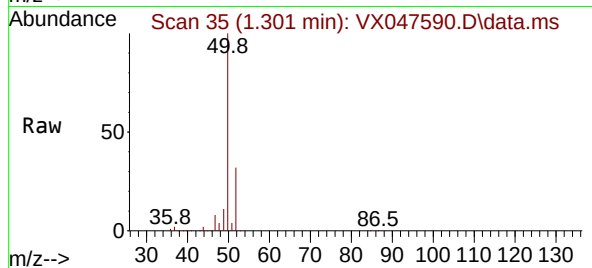
#3
Chloromethane
Concen: 142.593 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 297259
Ion Ratio Lower Upper
50 100
52 32.2 26.1 39.1

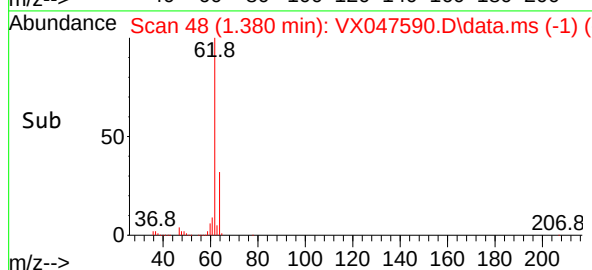
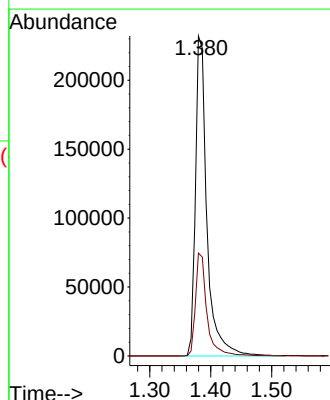
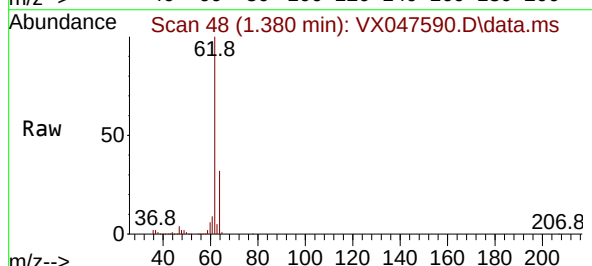
Manual Integrations
APPROVED

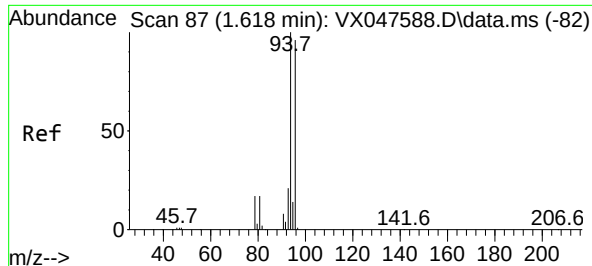
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#4
Vinyl Chloride
Concen: 148.140 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

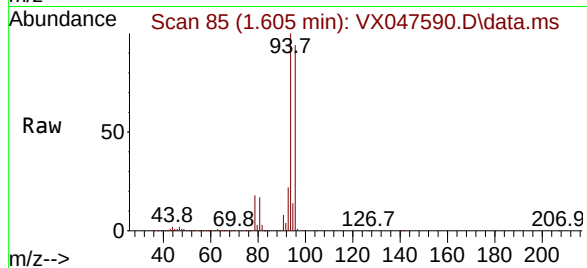
Tgt Ion: 62 Resp: 302303
Ion Ratio Lower Upper
62 100
64 32.1 24.9 37.3





#5
Bromomethane
Concen: 114.019 ug/l
RT: 1.605 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

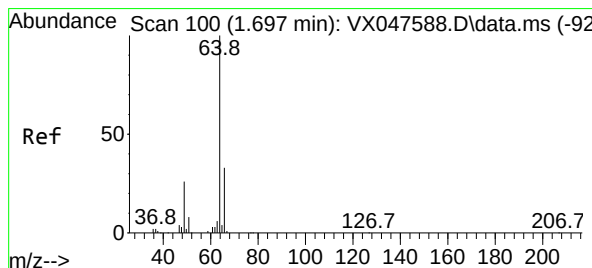
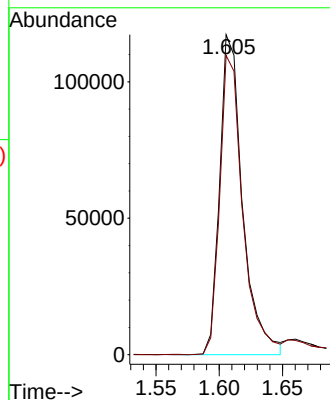
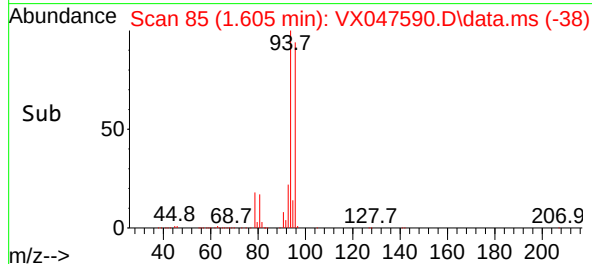
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



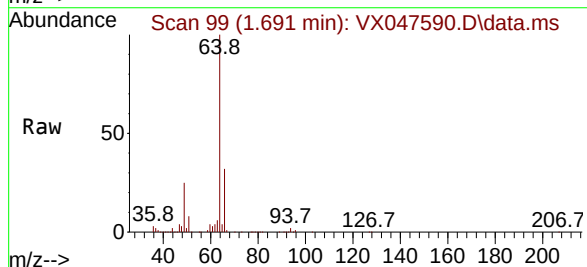
Tgt Ion: 94 Resp: 14754
Ion Ratio Lower Upper
94 100
96 93.4 76.6 115.0

Manual Integrations
APPROVED

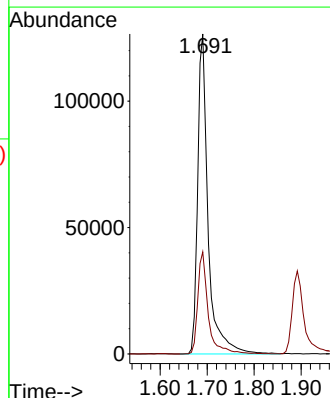
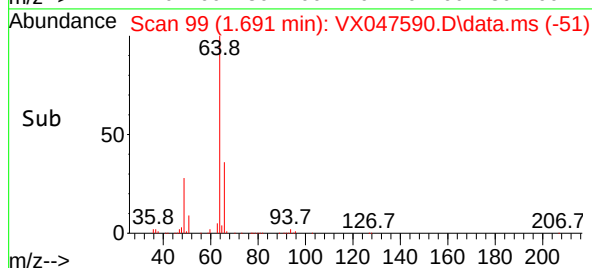
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

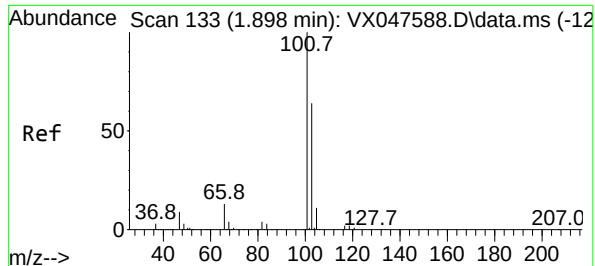


#6
Chloroethane
Concen: 143.652 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01



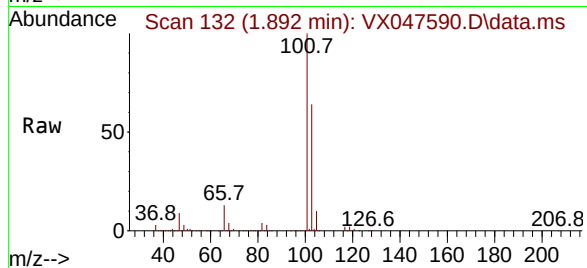
Tgt Ion: 64 Resp: 195927
Ion Ratio Lower Upper
64 100
66 31.9 26.1 39.1





#7
Trichlorofluoromethane
Concen: 149.545 ug/l
RT: 1.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

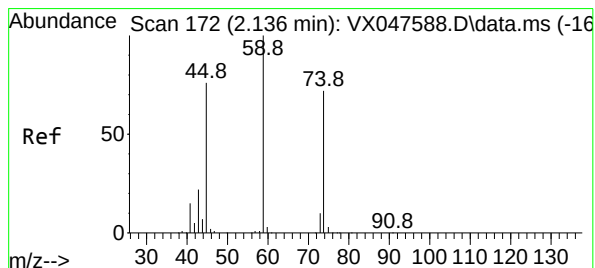
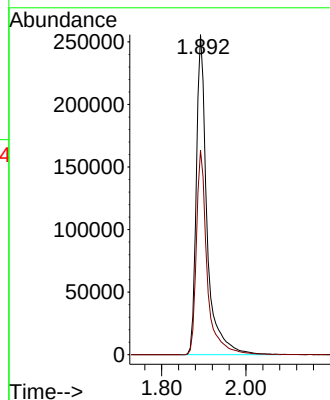
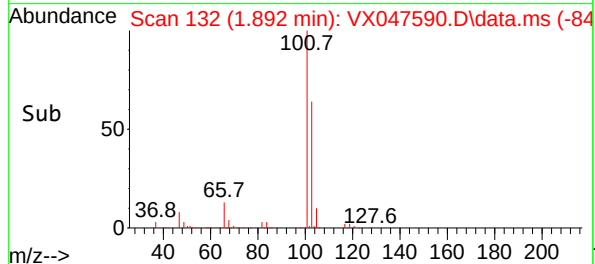
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:101 Resp: 453110
Ion Ratio Lower Upper
101 100
103 63.9 51.4 77.2

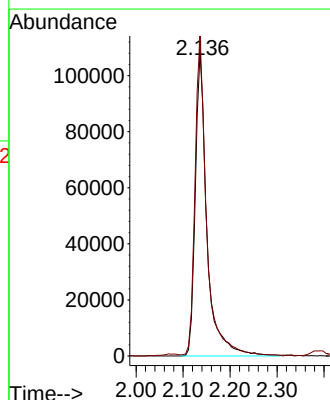
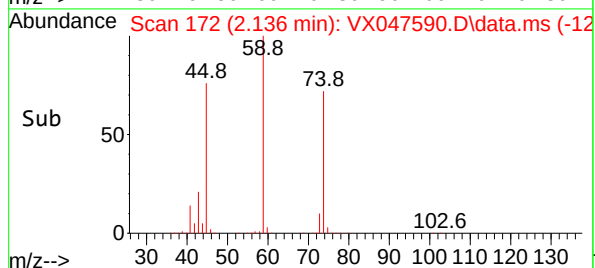
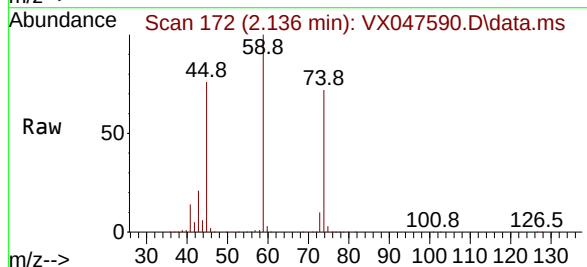
Manual Integrations
APPROVED

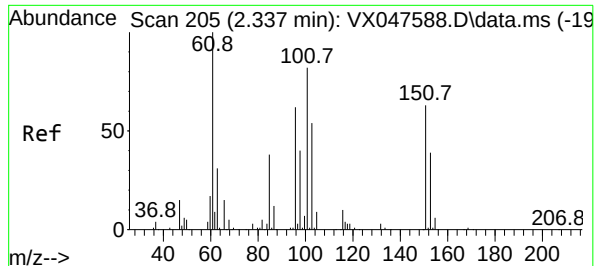
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#8
Diethyl Ether
Concen: 151.684 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 74 Resp: 188006
Ion Ratio Lower Upper
74 100
45 105.5 52.3 156.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 151.264 ug/l

RT: 2.331 min Scan# 205

Delta R.T. -0.006 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

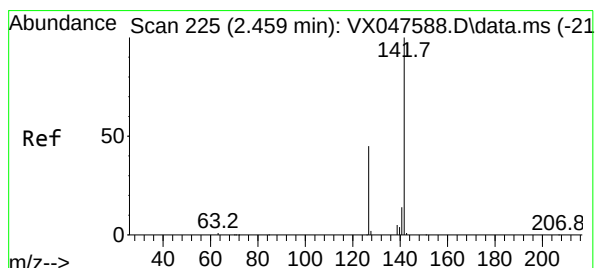
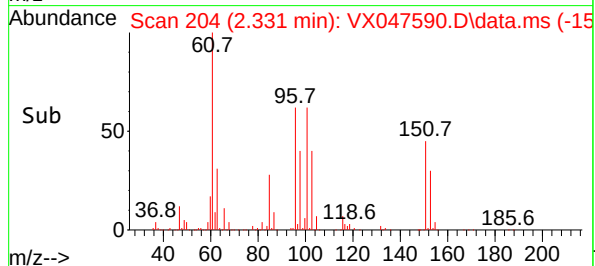
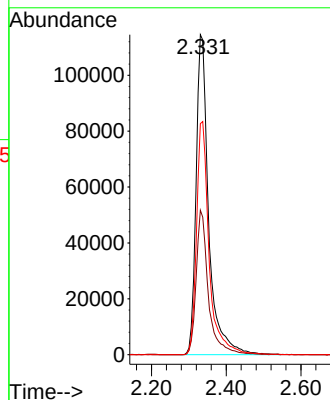
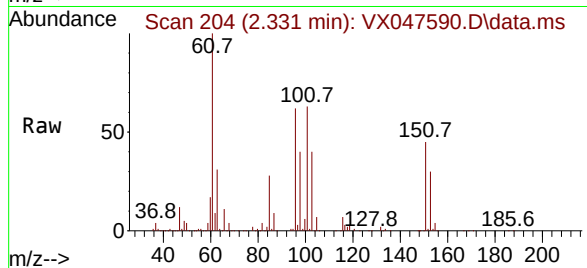
Tgt Ion:	101	Resp:	26799
Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.5	53.3
151	73.2	59.4	89.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#10

Methyl Iodide

Concen: 147.384 ug/l

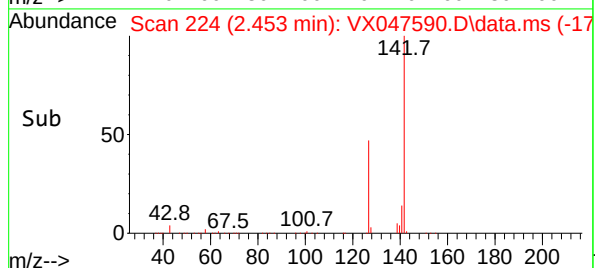
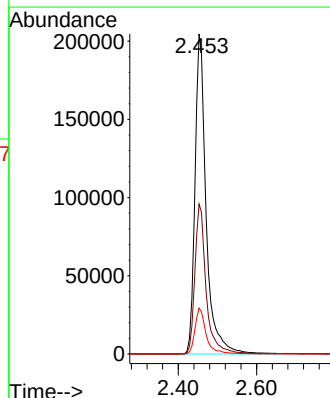
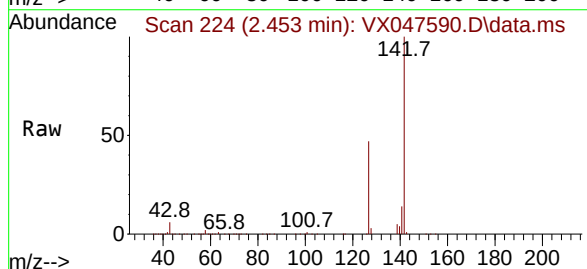
RT: 2.453 min Scan# 224

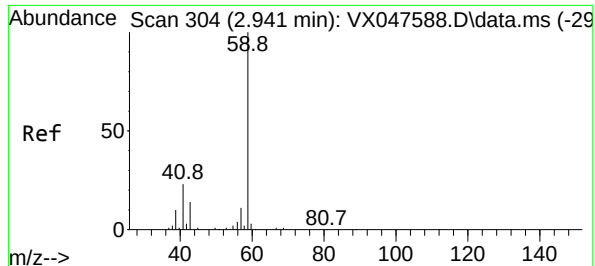
Delta R.T. -0.006 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Tgt Ion:	142	Resp:	407242
Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.3	11.4	17.0





#11

Tert butyl alcohol

Concen: 795.166 ug/l

RT: 2.959 min Scan# 307

Delta R.T. 0.018 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 21592

Ion Ratio Lower Upper

59 100

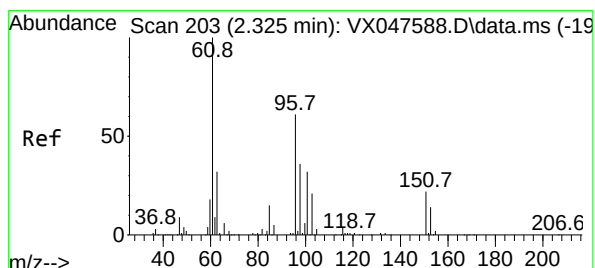
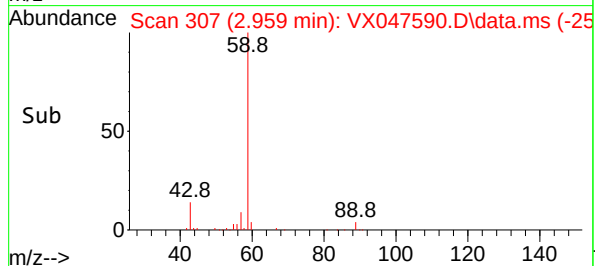
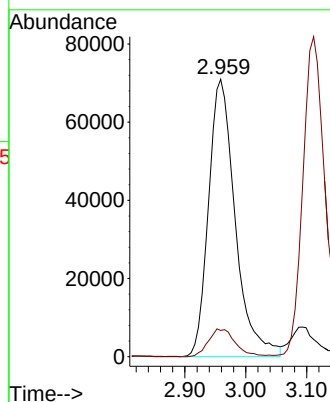
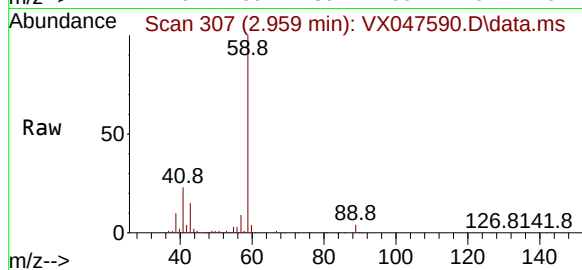
57 10.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#12

1,1-Dichloroethene

Concen: 150.388 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

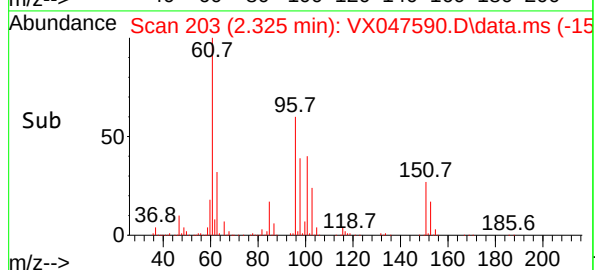
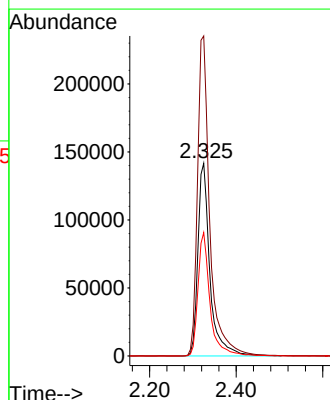
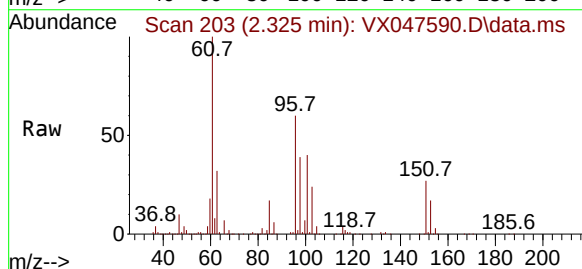
Tgt Ion: 96 Resp: 273692

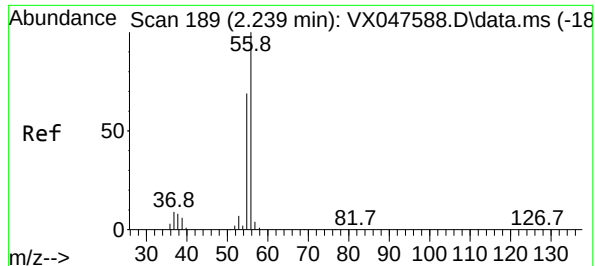
Ion Ratio Lower Upper

96 100

61 166.1 131.0 196.6

98 64.0 47.7 71.5





#13

Acrolein

Concen: 894.203 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 22376

Ion Ratio Lower Upper

56 100

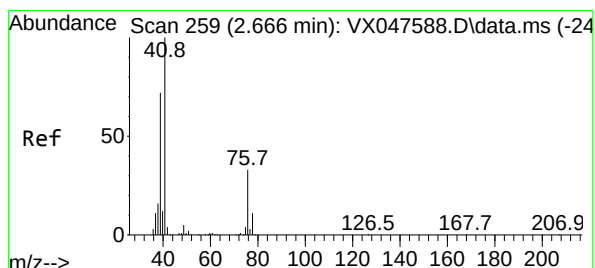
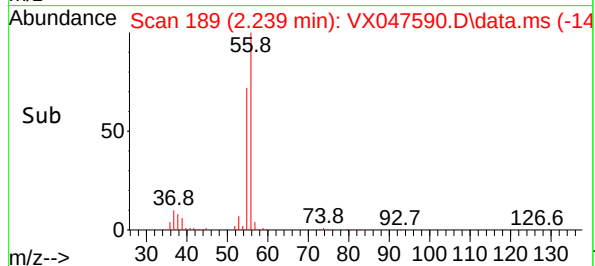
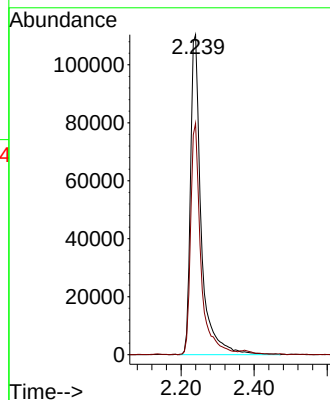
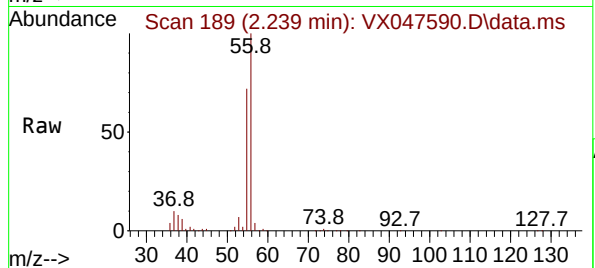
55 69.6 57.2 85.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#14

Allyl chloride

Concen: 147.727 ug/l

RT: 2.666 min Scan# 259

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

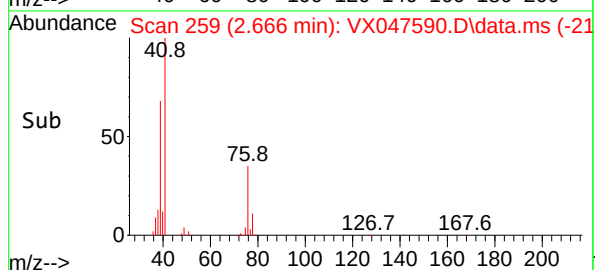
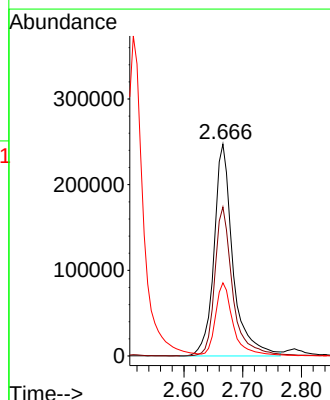
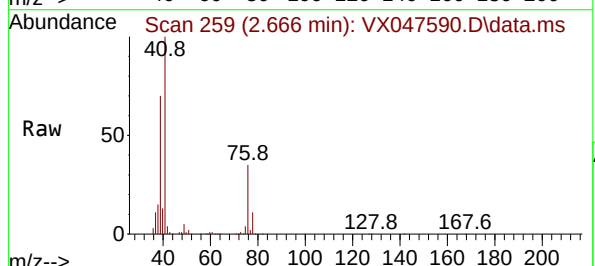
Tgt Ion: 41 Resp: 554779

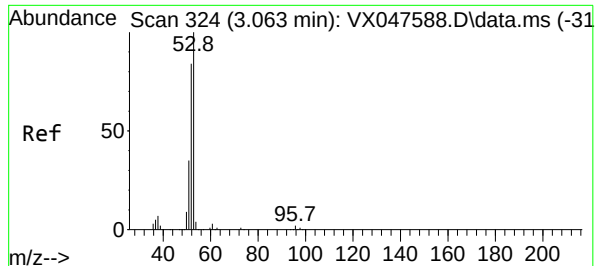
Ion Ratio Lower Upper

41 100

39 67.3 54.7 82.1

76 32.4 25.7 38.5





#15

Acrylonitrile

Concen: 786.201 ug/l

RT: 3.063 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 53 Resp: 790790

Ion Ratio Lower Upper

53 100

52 82.6 66.4 99.6

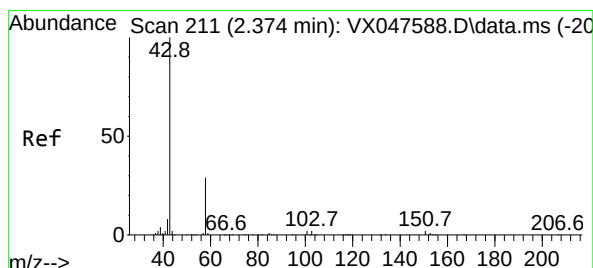
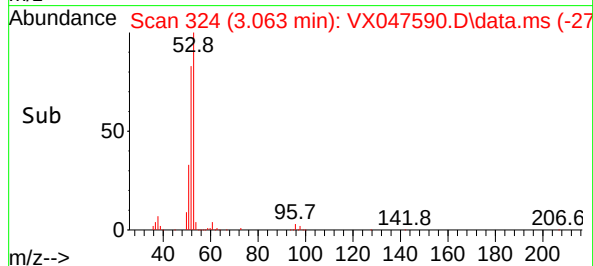
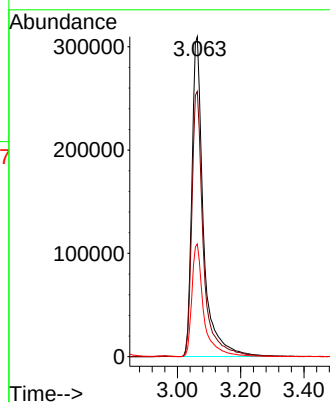
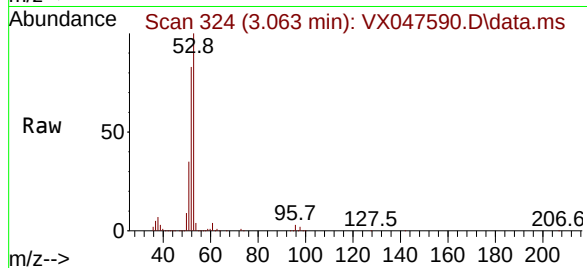
51 36.1 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#16

Acetone

Concen: 647.201 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX047590.D

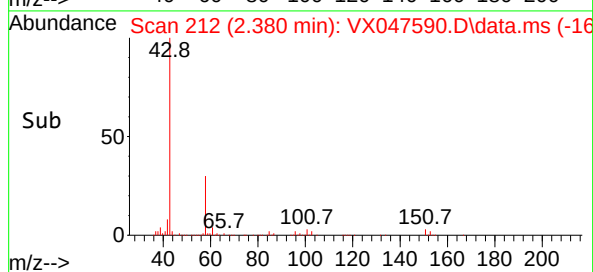
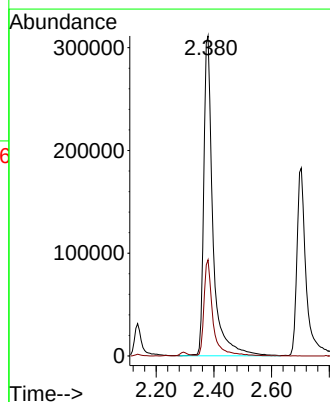
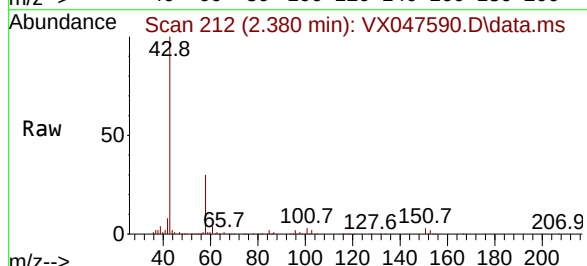
Acq: 16 Sep 2025 12:01

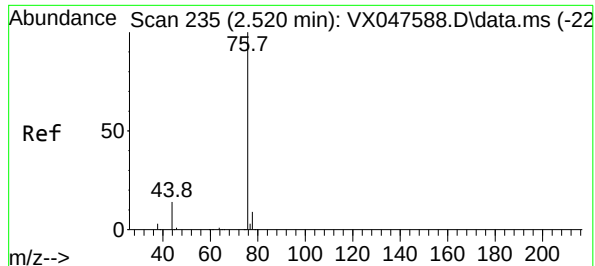
Tgt Ion: 43 Resp: 686119

Ion Ratio Lower Upper

43 100

58 30.0 23.4 35.0





#17

Carbon Disulfide

Concen: 143.412 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 76 Resp: 71450

Ion Ratio Lower Upper

76 100

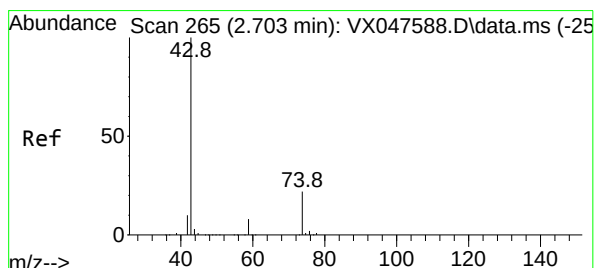
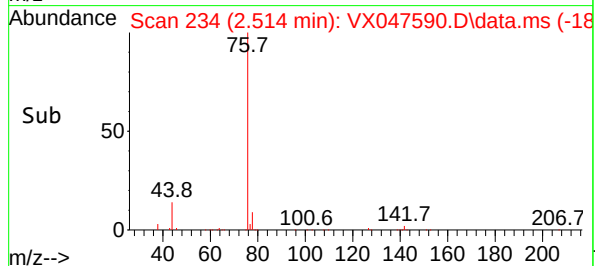
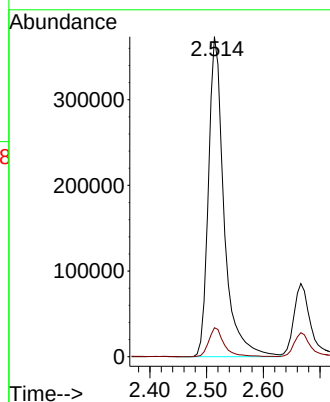
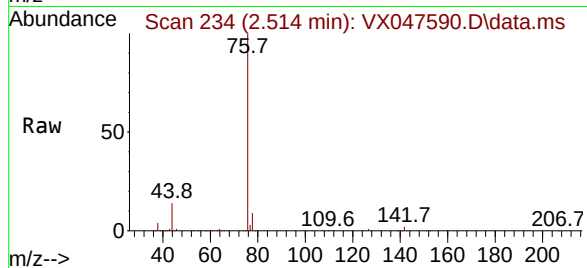
78 9.0 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#18

Methyl Acetate

Concen: 171.548 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX047590.D

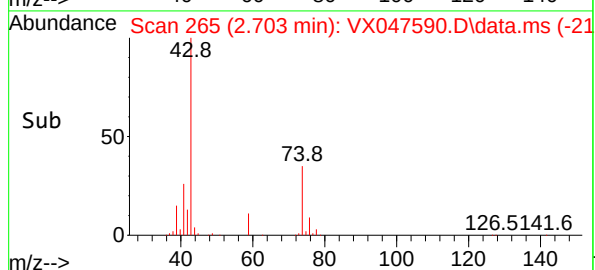
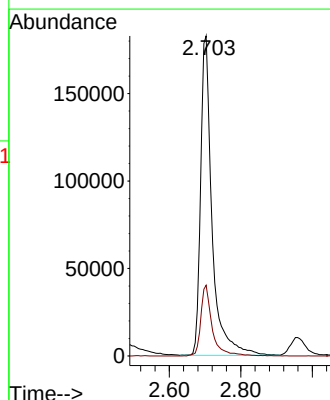
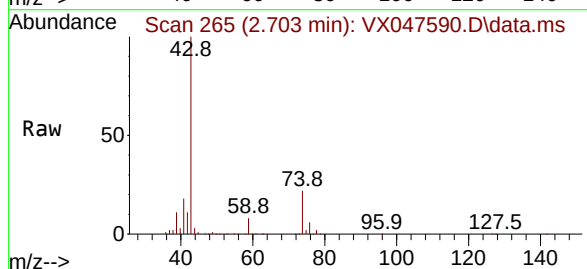
Acq: 16 Sep 2025 12:01

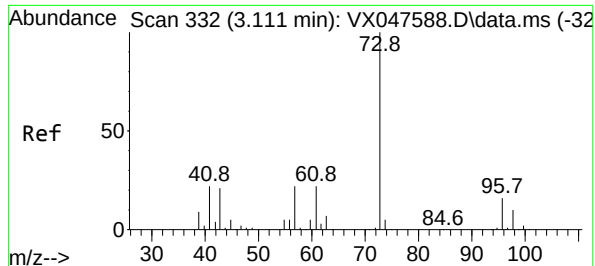
Tgt Ion: 43 Resp: 404736

Ion Ratio Lower Upper

43 100

74 22.1 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 152.826 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 73 Resp: 101529

Ion Ratio Lower Upper

73 100

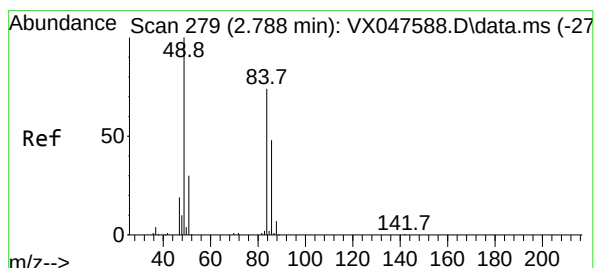
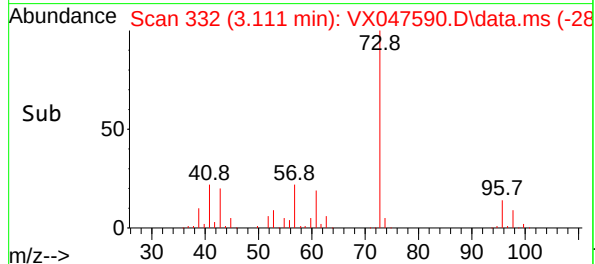
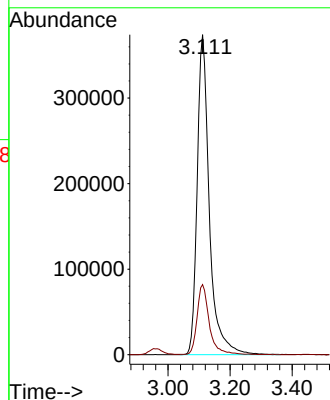
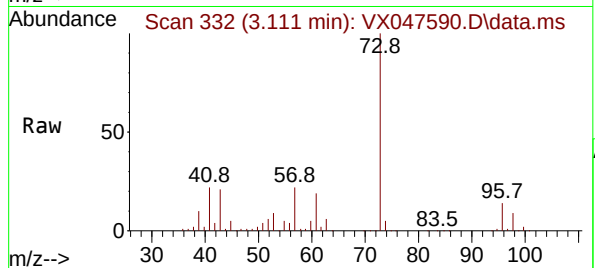
57 21.9 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#20

Methylene Chloride

Concen: 144.398 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Tgt Ion: 84 Resp: 324032

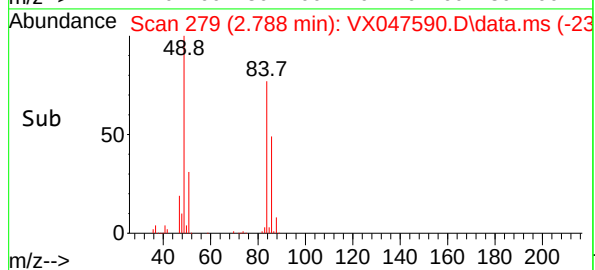
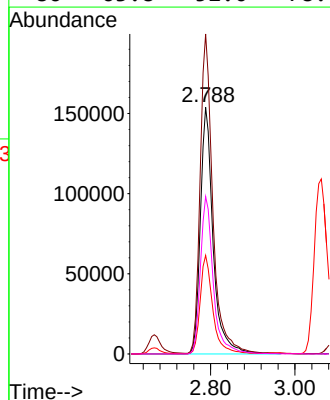
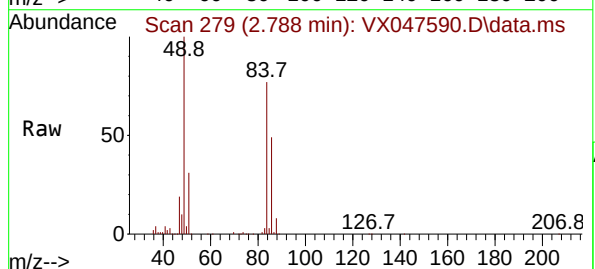
Ion Ratio Lower Upper

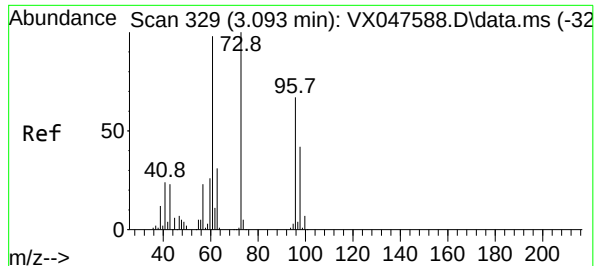
84 100

49 129.4 108.6 162.8

51 39.9 32.6 48.8

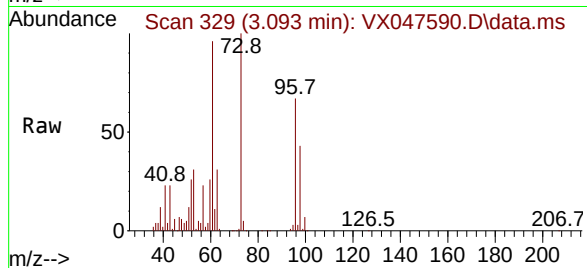
86 63.8 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 148.833 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

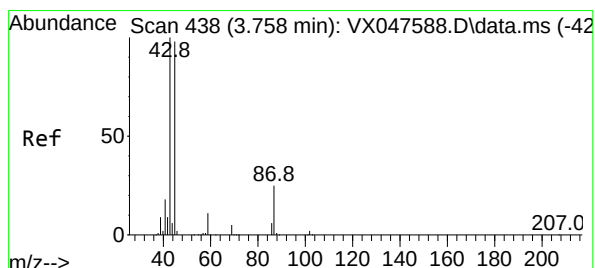
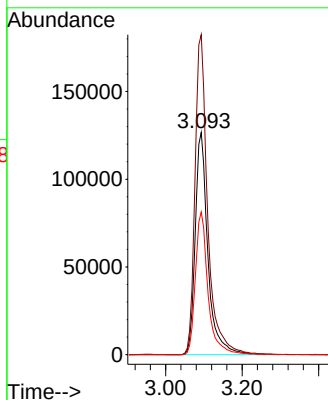
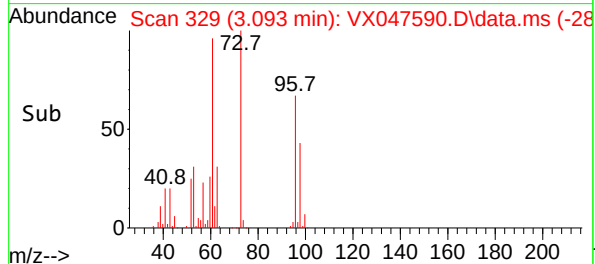
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



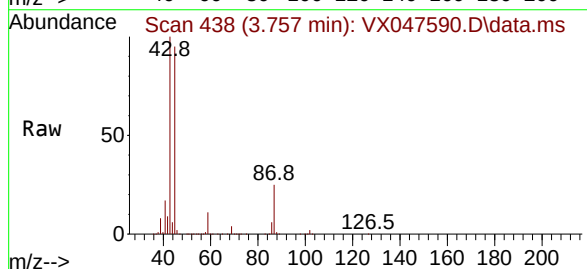
Tgt Ion: 96 Resp: 291610
Ion Ratio Lower Upper
96 100
61 144.0 116.2 174.2
98 64.3 49.3 73.9

Manual Integrations
APPROVED

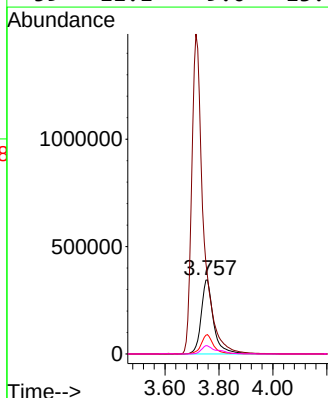
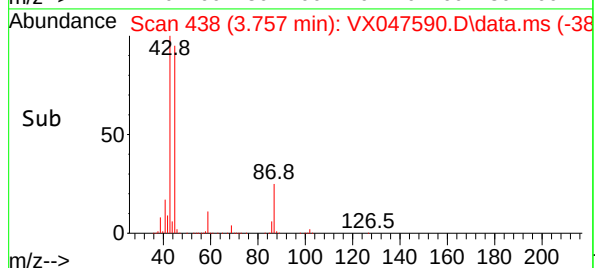
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

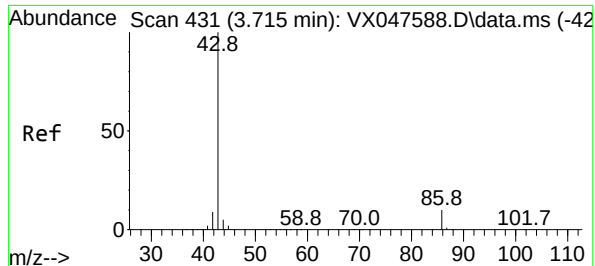


#22
Diisopropyl ether
Concen: 150.551 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01



Tgt Ion: 45 Resp: 1095726
Ion Ratio Lower Upper
45 100
43 104.7 81.0 121.4
87 26.2 20.3 30.5
59 11.1 9.0 13.4





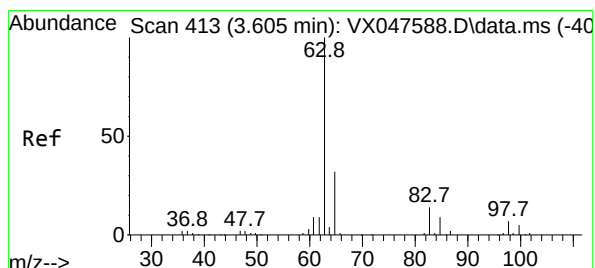
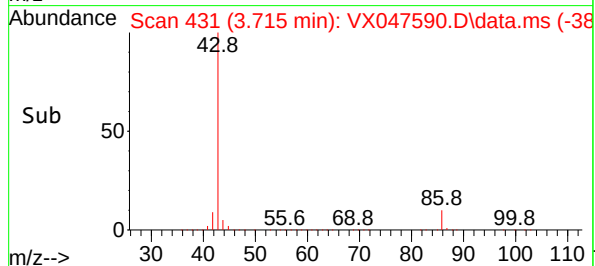
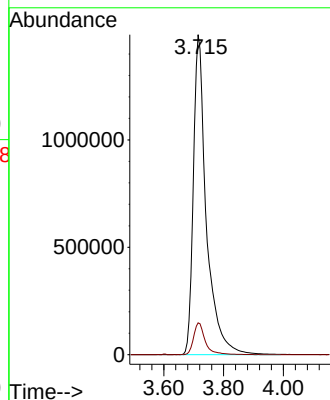
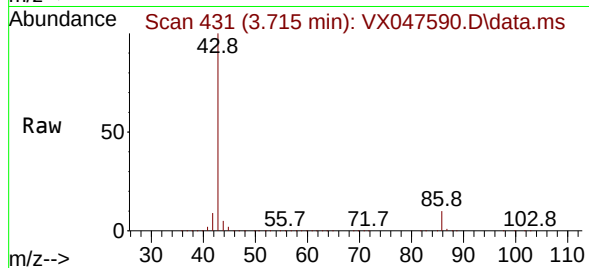
#23
Vinyl Acetate
Concen: 773.364 ug/l
RT: 3.715 min Scan# 411
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 4504849
Ion Ratio Lower Upper
43 100
86 10.0 7.8 11.8

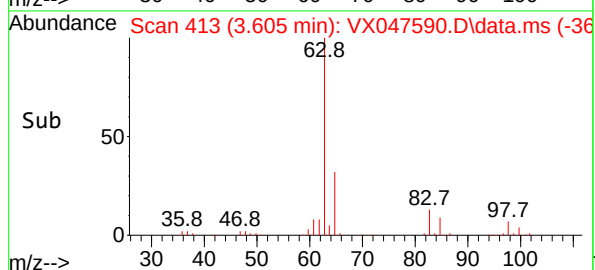
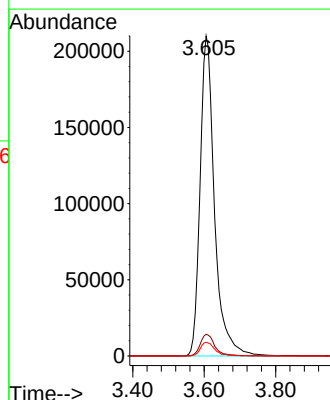
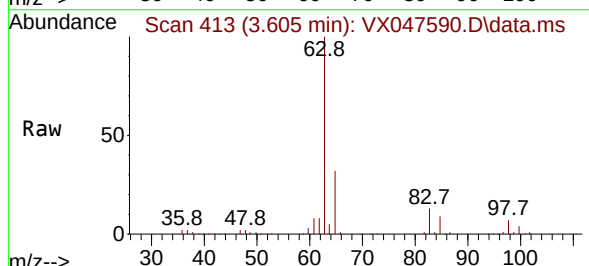
Manual Integrations
APPROVED

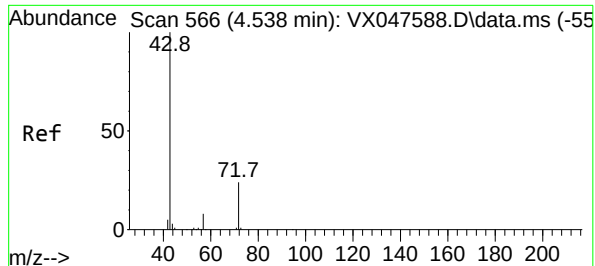
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#24
1,1-Dichloroethane
Concen: 151.776 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 587129
Ion Ratio Lower Upper
63 100
98 6.8 3.8 11.2
100 4.3 2.3 6.9





#25

2-Butanone

Concen: 736.502 ug/l

RT: 4.544 min Scan# 50

Delta R.T. 0.006 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 973938

Ion Ratio Lower Upper

43 100

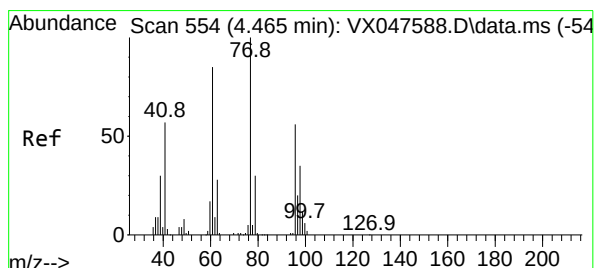
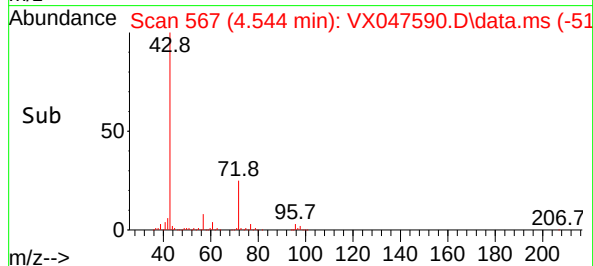
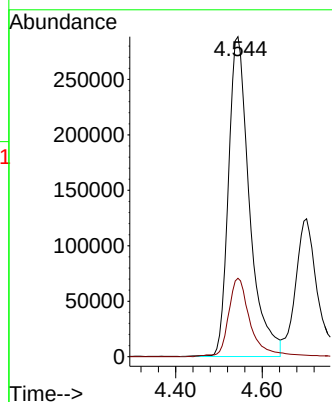
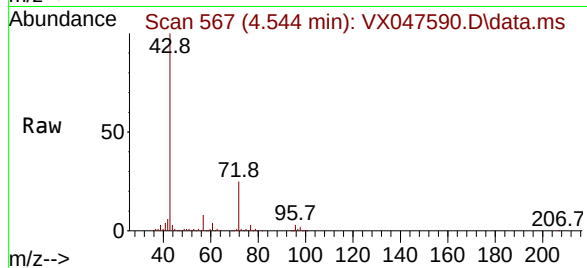
72 24.6 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#26

2,2-Dichloropropane

Concen: 151.414 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX047590.D

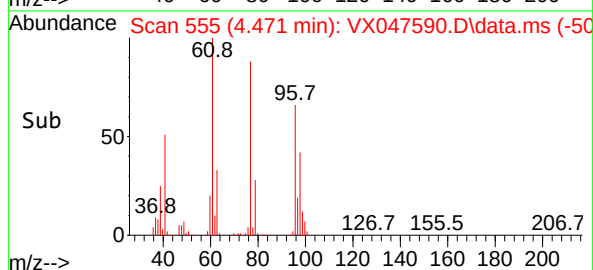
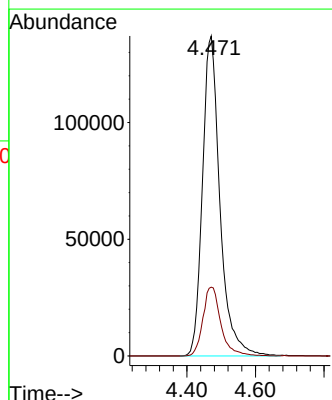
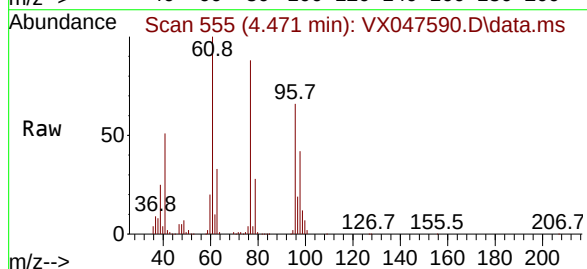
Acq: 16 Sep 2025 12:01

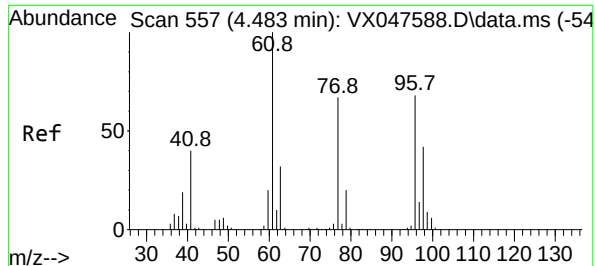
Tgt Ion: 77 Resp: 486890

Ion Ratio Lower Upper

77 100

97 22.1 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 152.638 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 96 Resp: 366262

Ion Ratio Lower Upper

96 100

61 149.8 0.0 303.2

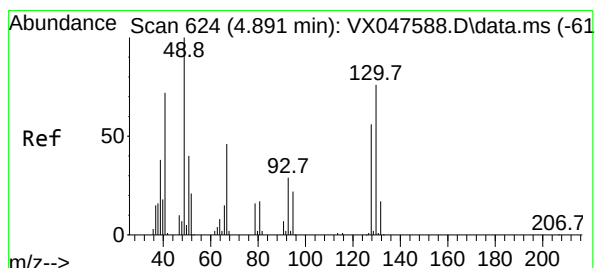
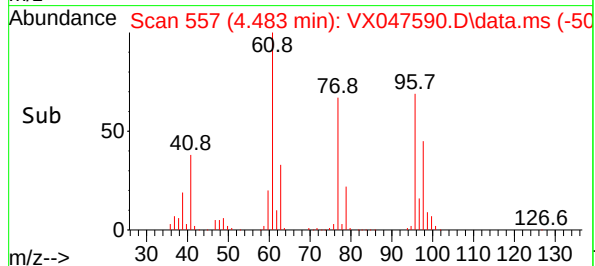
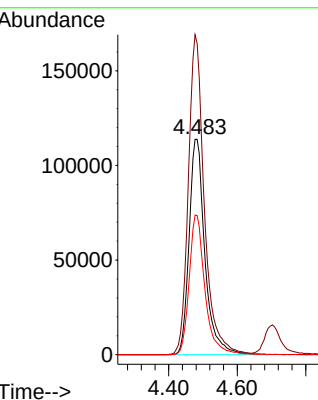
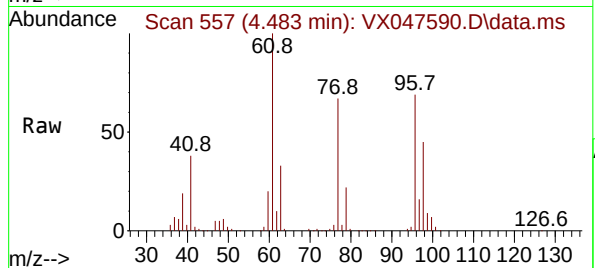
98 64.6 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#28

Bromochloromethane

Concen: 171.451 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

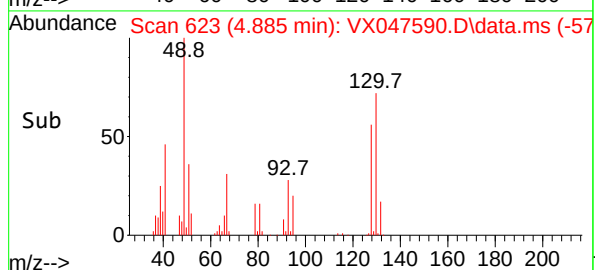
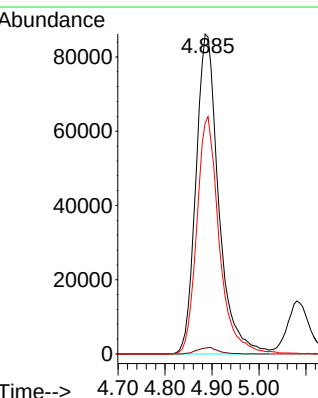
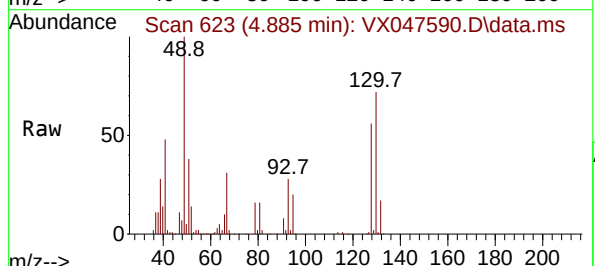
Tgt Ion: 49 Resp: 289548

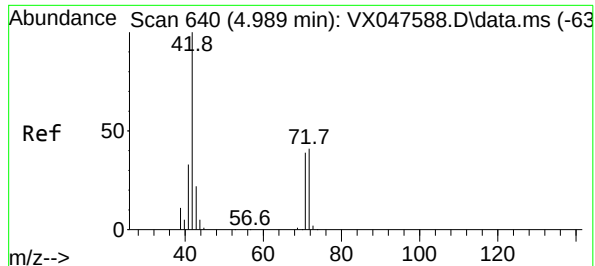
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.2

130 73.2 57.8 86.8





#29

Tetrahydrofuran

Concen: 774.811 ug/l

RT: 4.989 min Scan# 640

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 616374

Ion Ratio Lower Upper

42 100

72 42.8 34.2 51.2

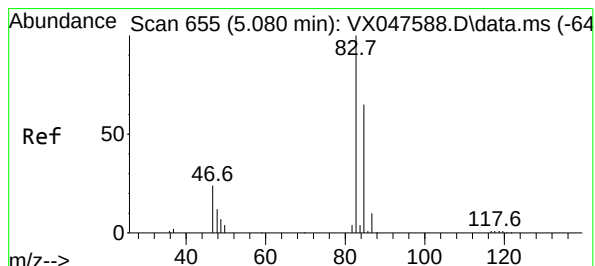
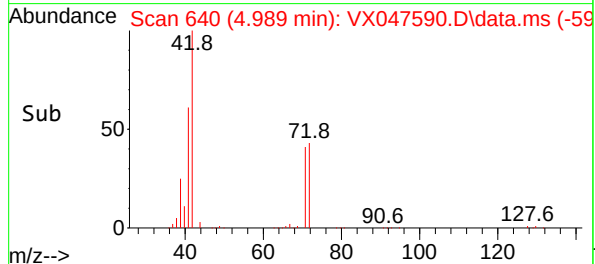
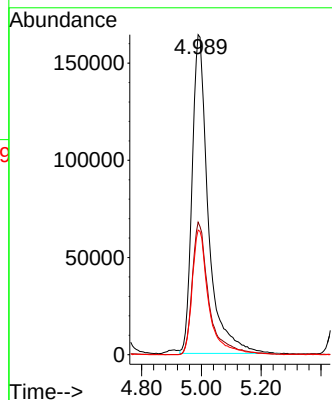
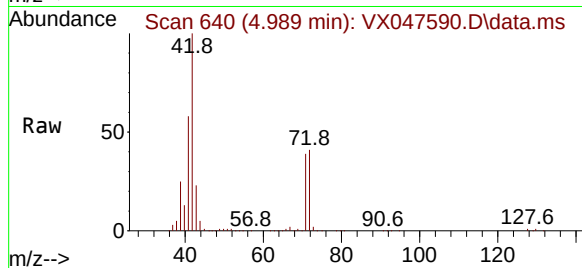
71 39.9 31.9 47.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#30

Chloroform

Concen: 151.367 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX047590.D

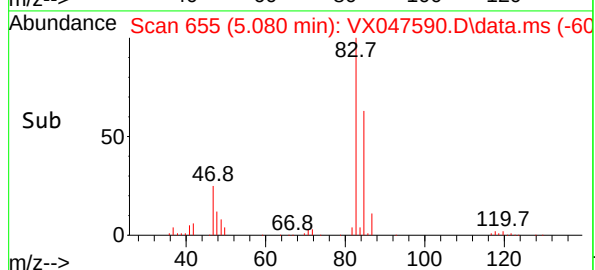
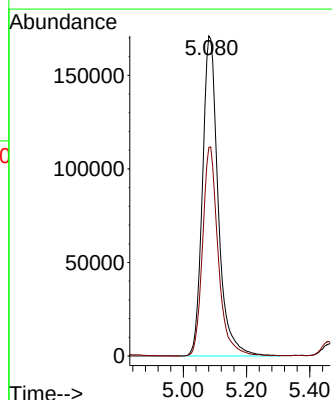
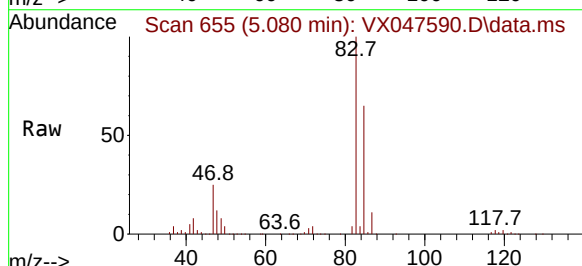
Acq: 16 Sep 2025 12:01

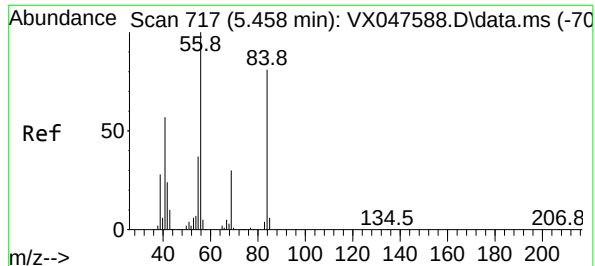
Tgt Ion: 83 Resp: 591709

Ion Ratio Lower Upper

83 100

85 65.2 51.8 77.6





#31

Cyclohexane

Concen: 141.570 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 456119

Ion Ratio Lower Upper

56 100

69 30.5 23.8 35.8

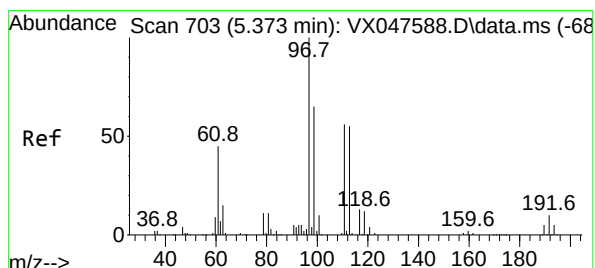
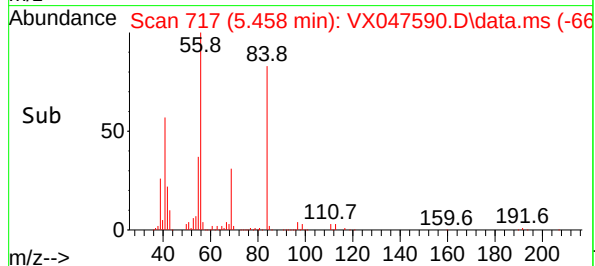
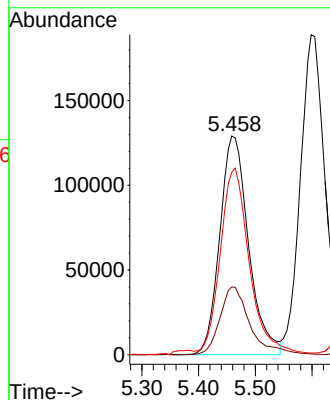
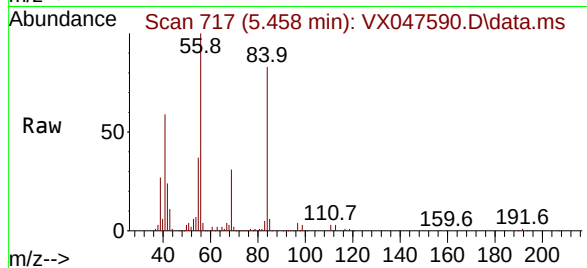
84 81.5 64.6 97.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#32

1,1,1-Trichloroethane

Concen: 152.802 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

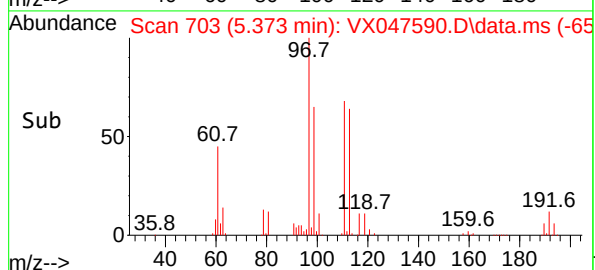
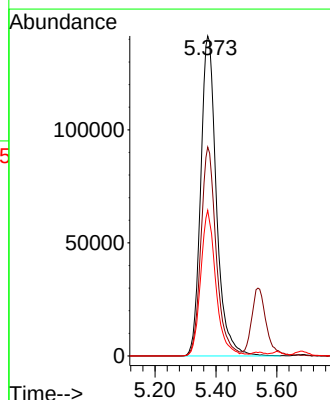
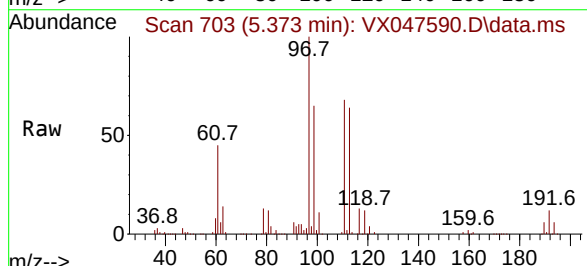
Tgt Ion: 97 Resp: 506654

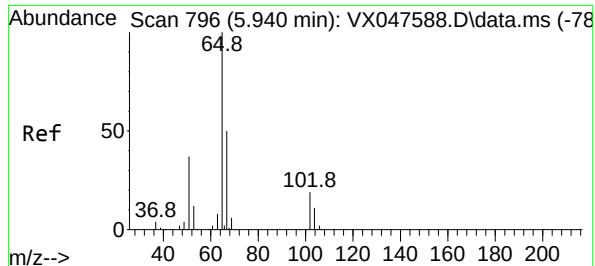
Ion Ratio Lower Upper

97 100

99 63.6 50.6 76.0

61 44.2 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 162.673 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 65 Resp: 39662

Ion Ratio Lower Upper

65 100

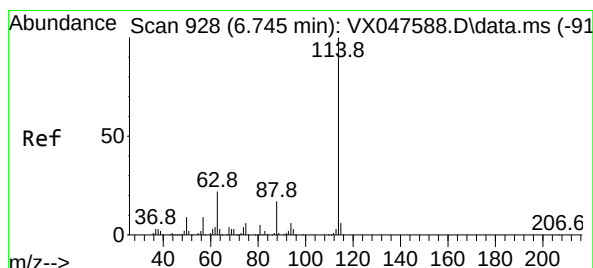
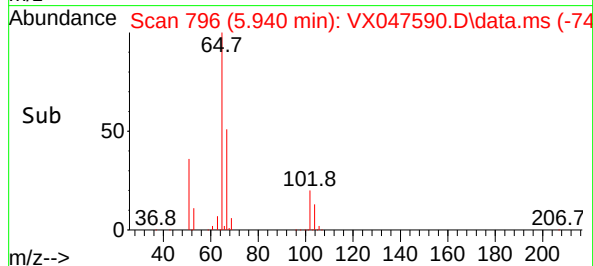
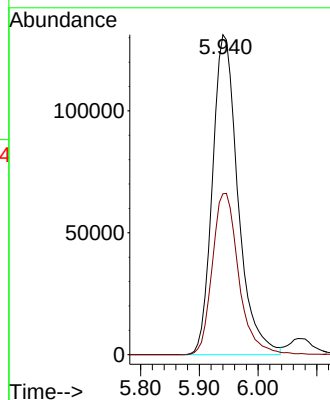
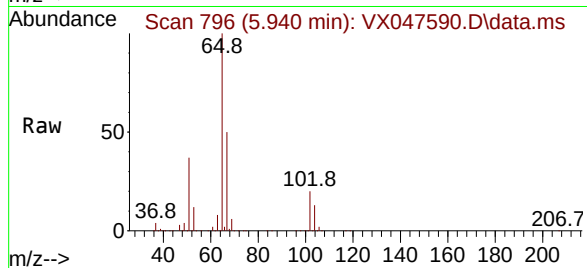
67 52.3 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

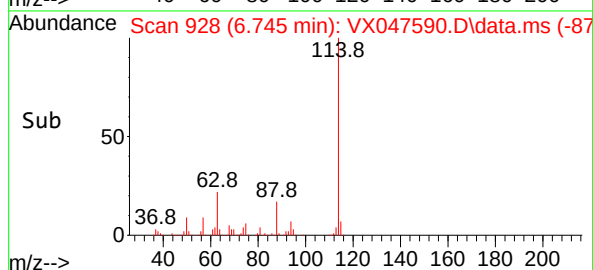
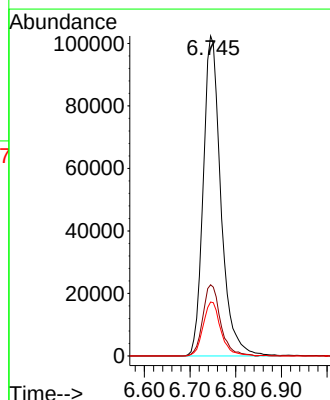
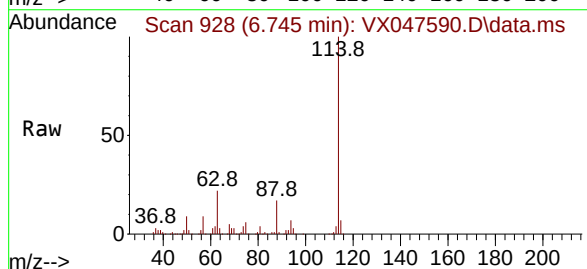
Tgt Ion:114 Resp: 274804

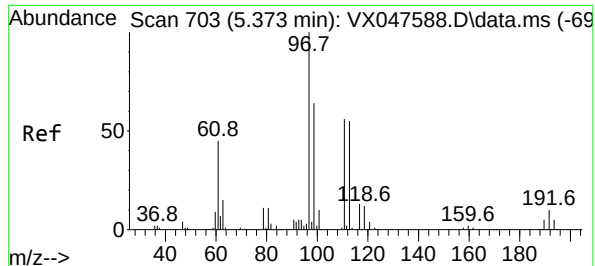
Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.0

88 16.8 0.0 34.2





#35

Dibromofluoromethane

Concen: 164.802 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 113 Resp: 303728

Ion Ratio Lower Upper

113 100

111 102.4 80.9 121.3

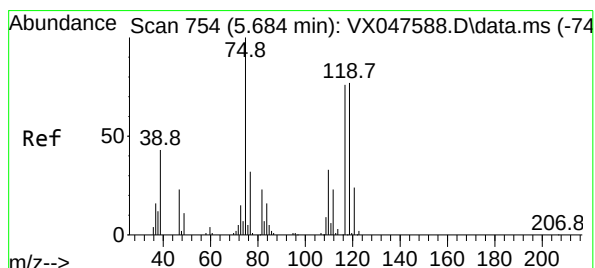
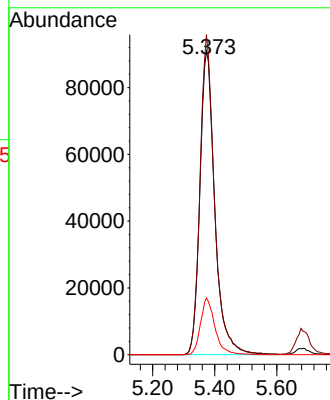
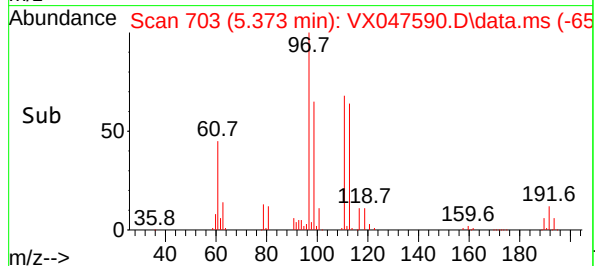
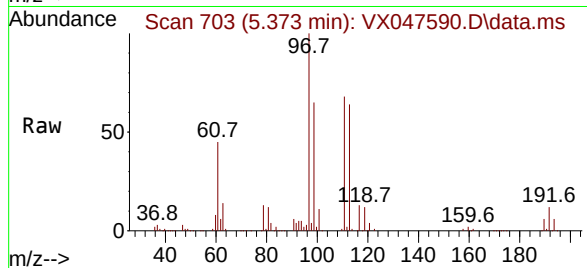
192 18.1 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#36

1,1-Dichloropropene

Concen: 143.556 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

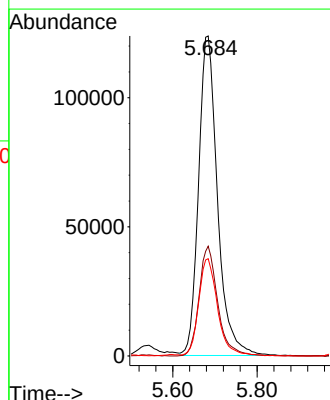
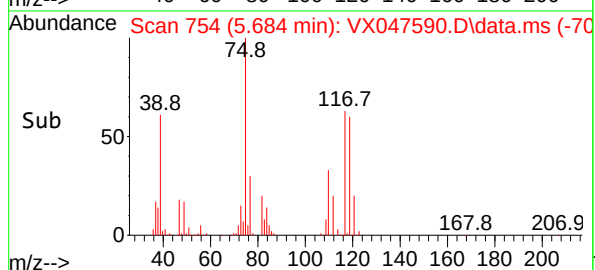
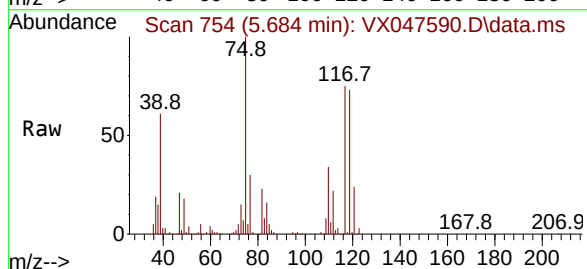
Tgt Ion: 75 Resp: 386601

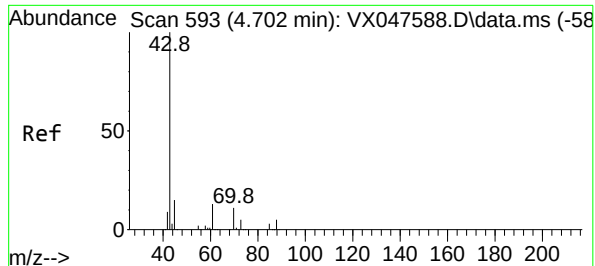
Ion Ratio Lower Upper

75 100

110 33.9 16.7 50.1

77 30.6 24.3 36.5





#37

Ethyl Acetate

Concen: 154.141 ug/l

RT: 4.702 min Scan# 593

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 44446

Ion Ratio Lower Upper

43 100

61 12.1 9.8 14.8

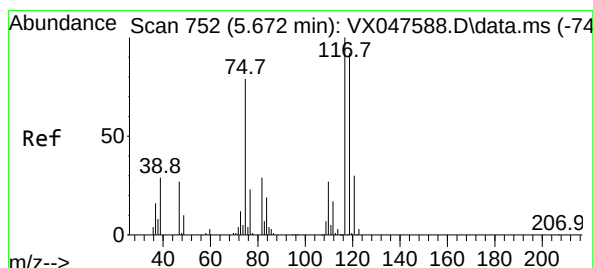
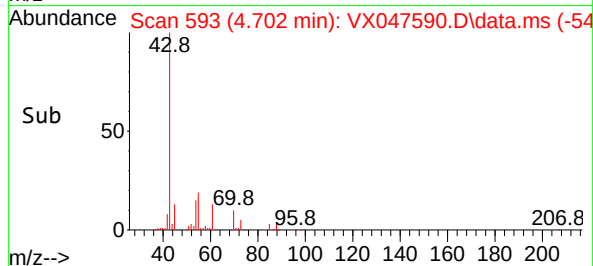
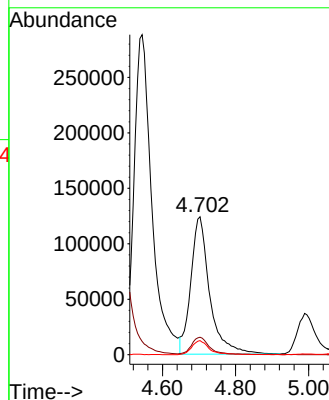
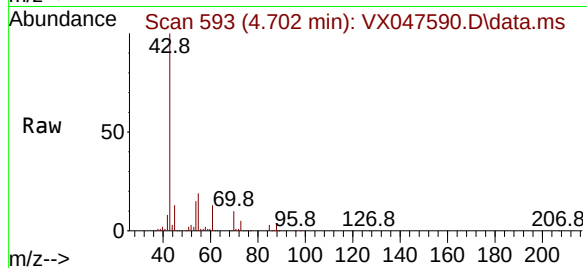
70 9.5 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#38

Carbon Tetrachloride

Concen: 146.021 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

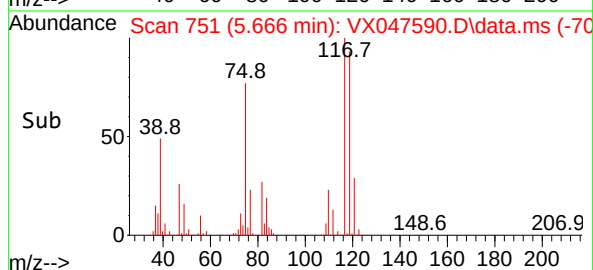
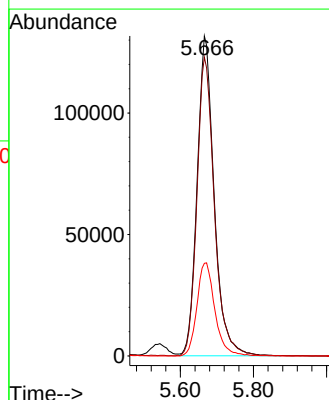
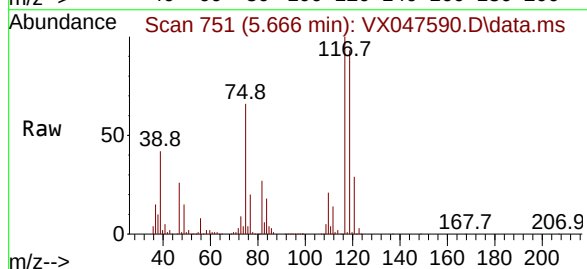
Tgt Ion:117 Resp: 427263

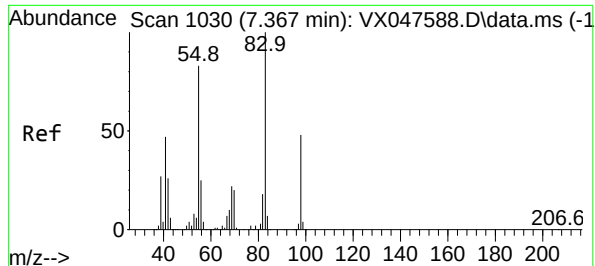
Ion Ratio Lower Upper

117 100

119 93.3 73.4 110.2

121 29.0 23.8 35.6





#39

Methylcyclohexane

Concen: 149.395 ug/l

RT: 7.367 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

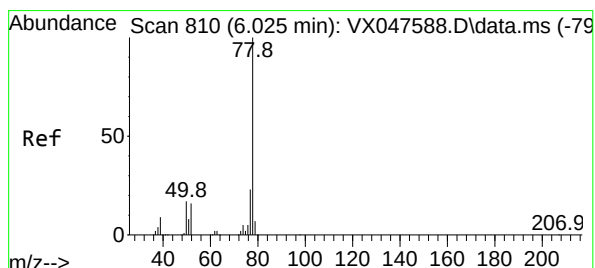
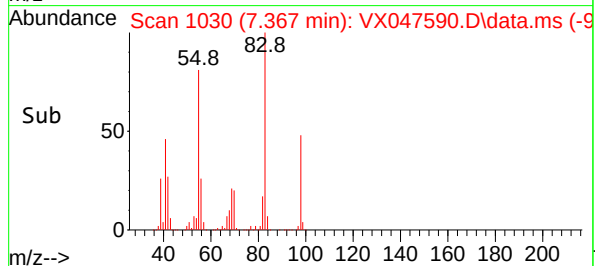
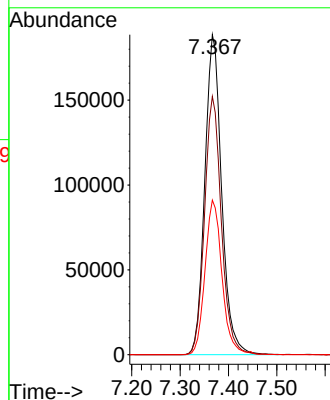
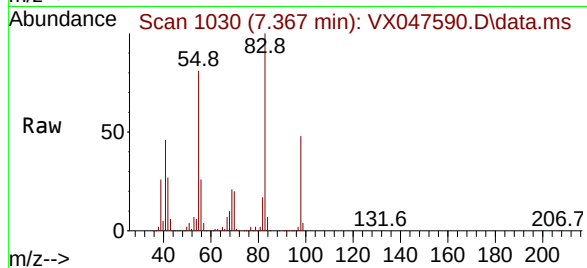
VSTDICC150

Tgt Ion:	83	Resp:	456694
Ion	Ratio	Lower	Upper
83	100		
55	80.7	66.4	99.6
98	48.3	38.1	57.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#40

Benzene

Concen: 147.057 ug/l

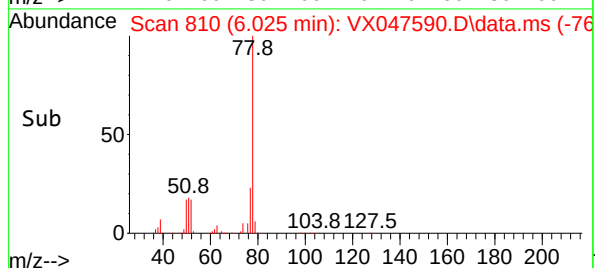
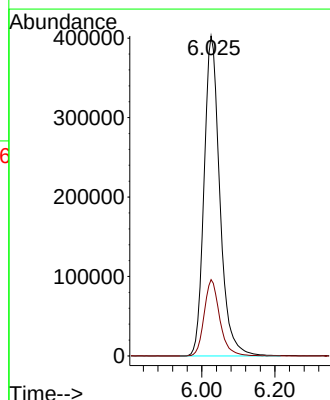
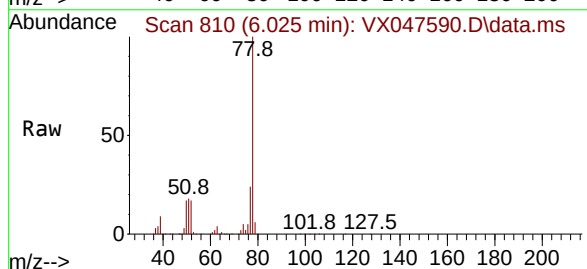
RT: 6.025 min Scan# 810

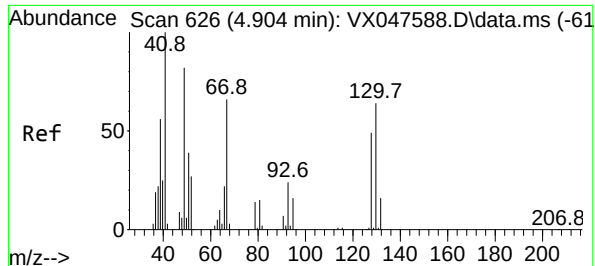
Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Tgt Ion:	78	Resp:	1202846
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





#41

Methacrylonitrile

Concen: 149.951 ug/l

RT: 4.904 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 41 Resp: 223218

Ion Ratio Lower Upper

41 100

39 54.5 43.3 64.9

67 74.6 58.6 87.8

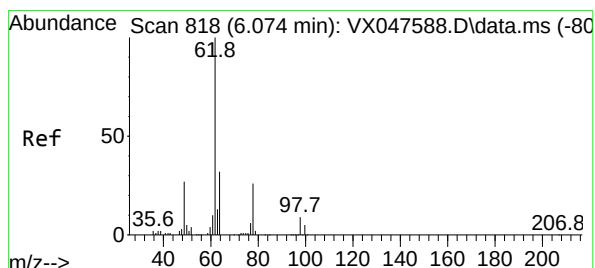
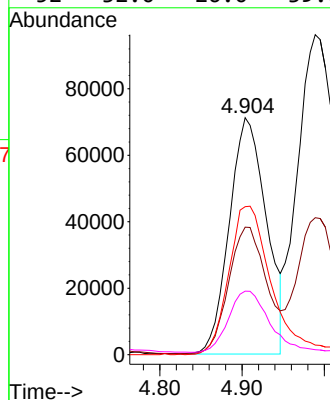
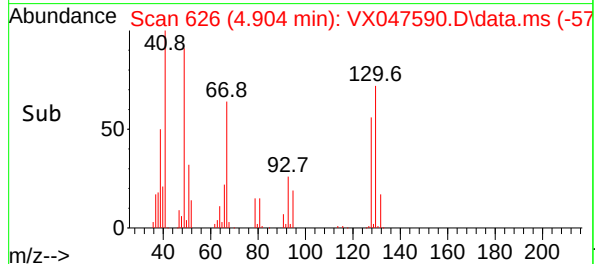
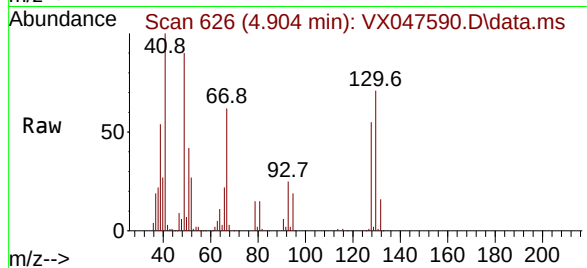
52 32.0 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#42

1,2-Dichloroethane

Concen: 146.515 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.000 min

Lab File: VX047590.D

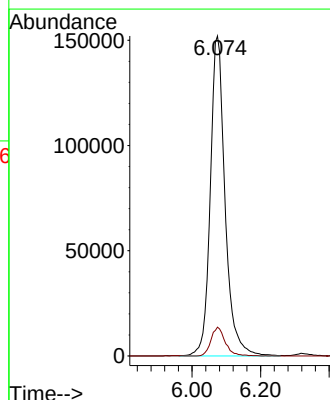
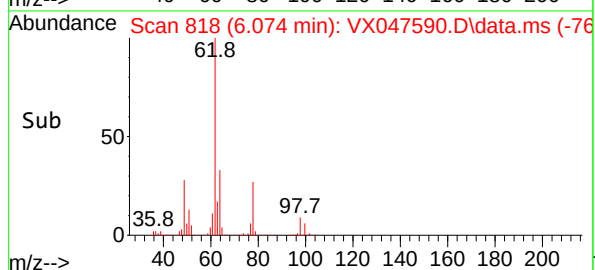
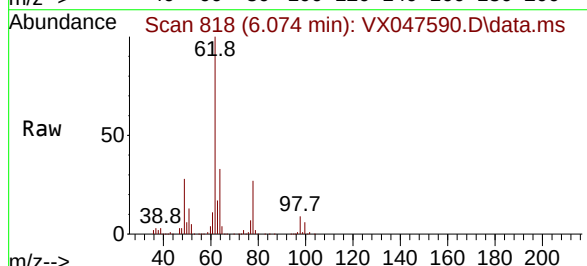
Acq: 16 Sep 2025 12:01

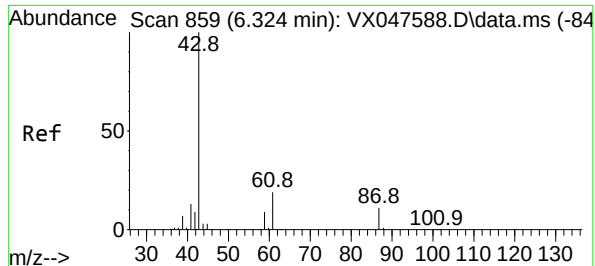
Tgt Ion: 62 Resp: 455978

Ion Ratio Lower Upper

62 100

98 8.7 0.0 17.0





#43

Isopropyl Acetate

Concen: 153.283 ug/l

RT: 6.324 min Scan# 859

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 72488

Ion Ratio Lower Upper

43 100

61 19.4 15.2 22.8

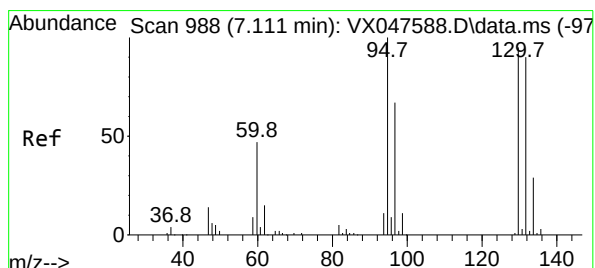
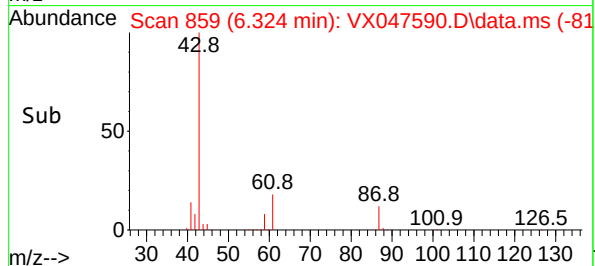
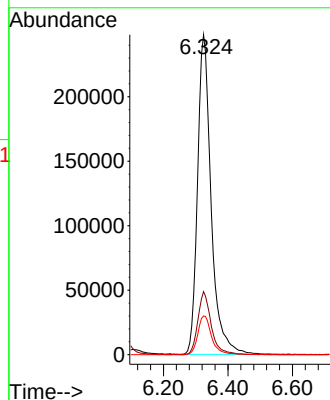
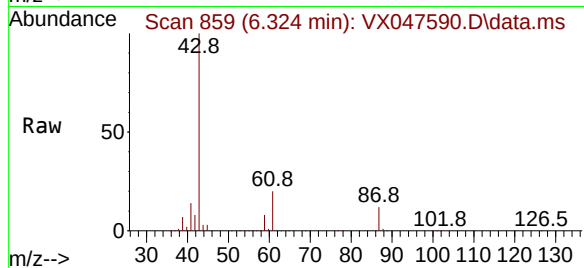
87 12.3 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#44

Trichloroethene

Concen: 151.542 ug/l

RT: 7.111 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX047590.D

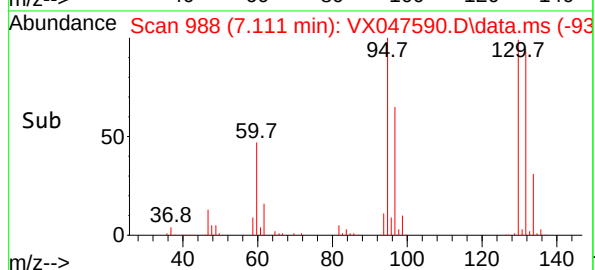
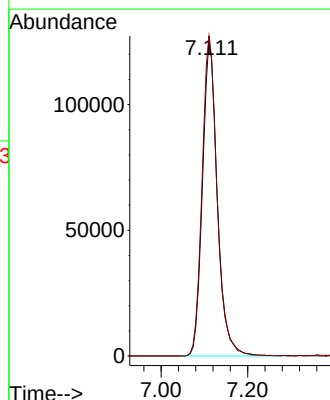
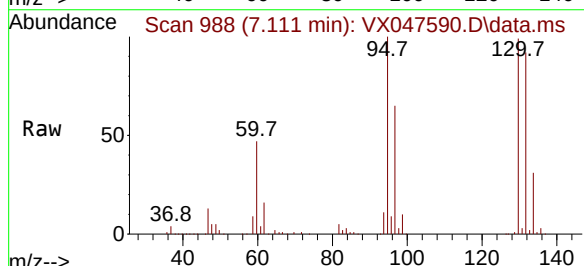
Acq: 16 Sep 2025 12:01

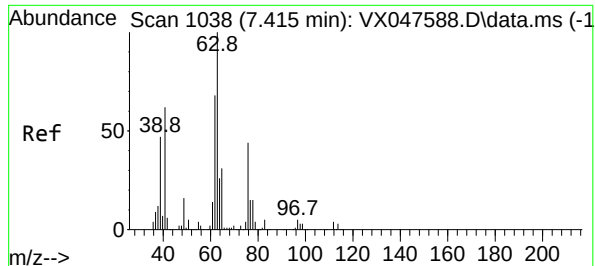
Tgt Ion:130 Resp: 299673

Ion Ratio Lower Upper

130 100

95 101.1 0.0 210.8





#45

1,2-Dichloropropane

Concen: 151.219 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 316720

Ion Ratio Lower Upper

63 100

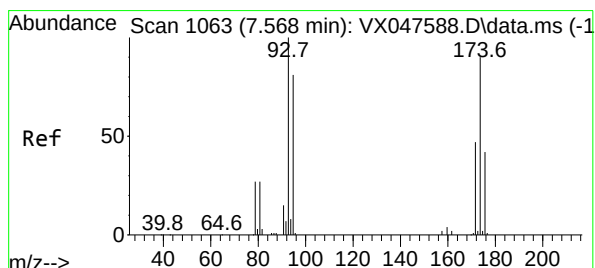
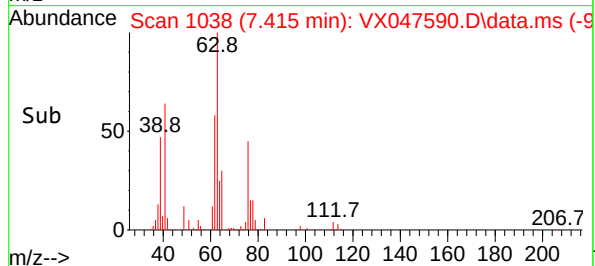
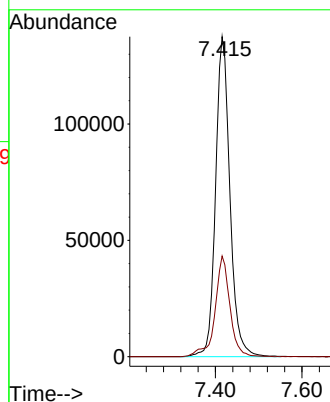
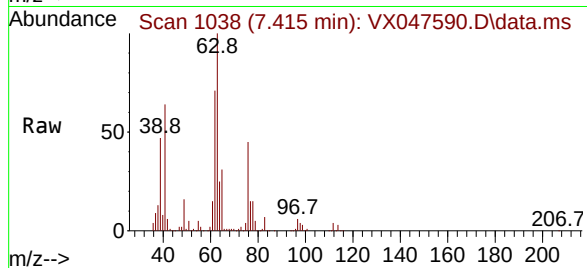
65 31.5 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#46

Dibromomethane

Concen: 149.954 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

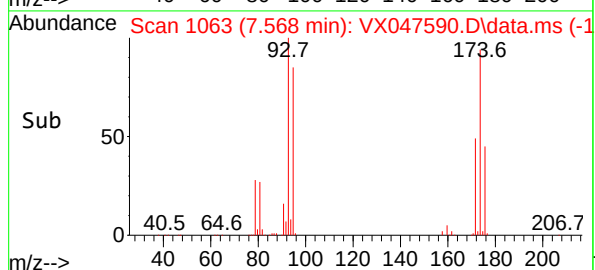
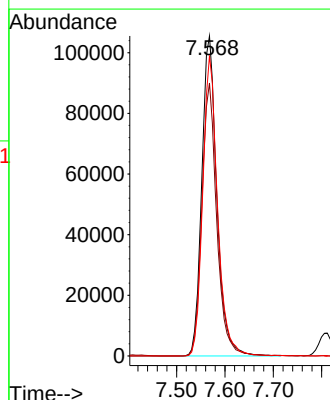
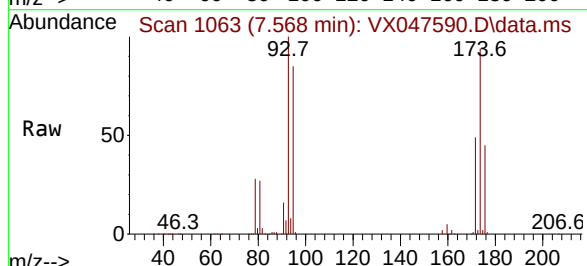
Tgt Ion: 93 Resp: 228550

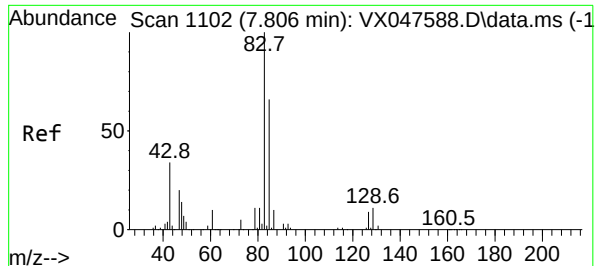
Ion Ratio Lower Upper

93 100

95 84.2 65.0 97.6

174 92.5 71.6 107.4





#47

Bromodichloromethane

Concen: 153.710 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 483438

Ion Ratio Lower Upper

83 100

85 63.9 52.5 78.7

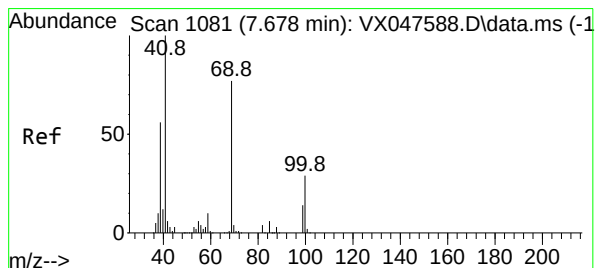
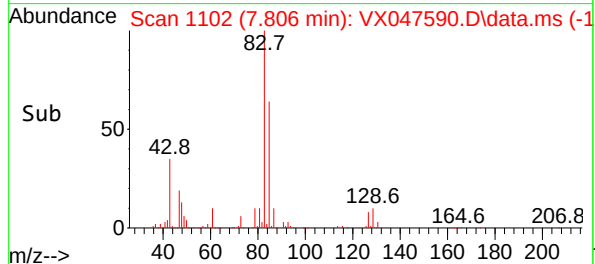
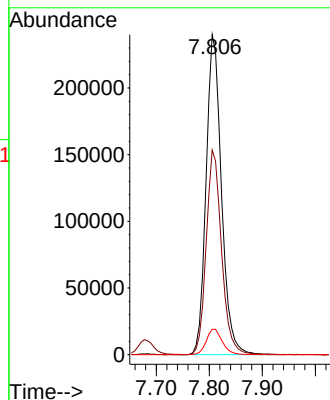
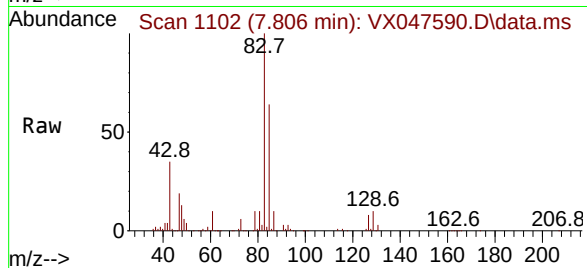
127 7.9 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#48

Methyl methacrylate

Concen: 156.194 ug/l

RT: 7.678 min Scan# 1081

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

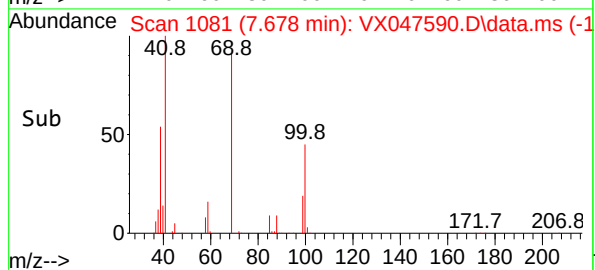
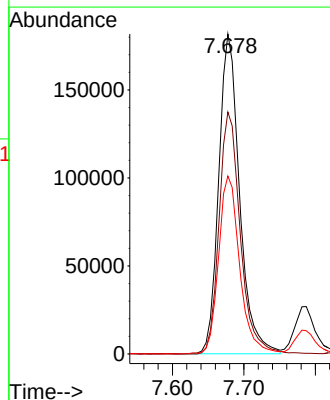
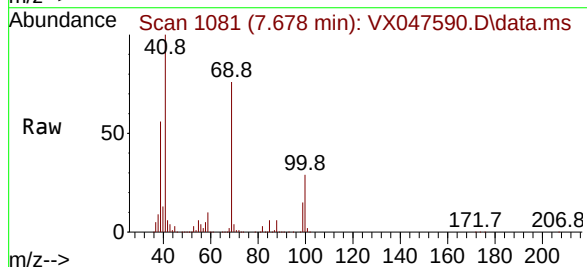
Tgt Ion: 41 Resp: 367931

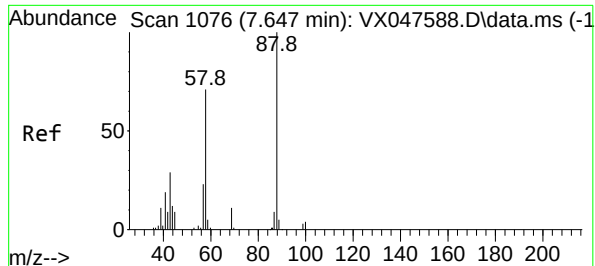
Ion Ratio Lower Upper

41 100

69 77.2 61.4 92.2

39 56.5 45.8 68.6





#49

1,4-Dioxane

Concen: 3475.565 ug/l

RT: 7.647 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

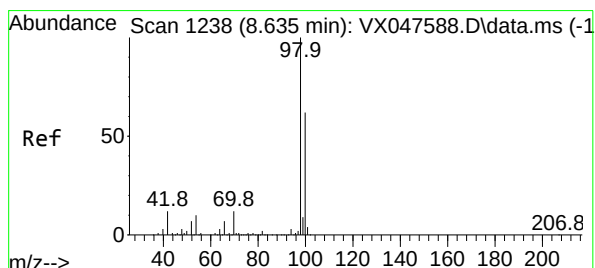
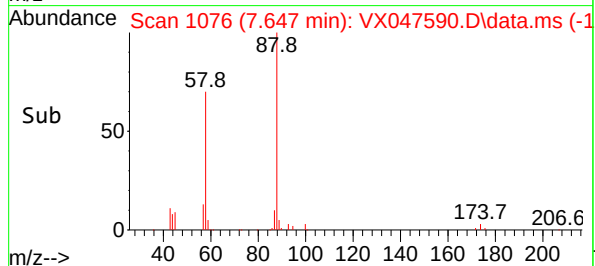
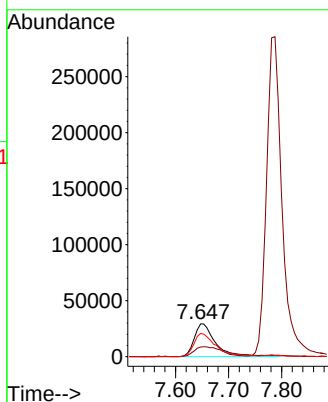
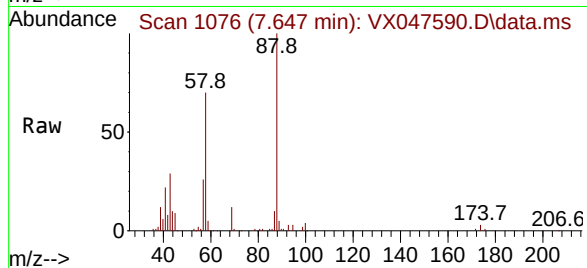
VSTDICC150

Tgt Ion:	88	Resp:	82739
Ion	Ratio	Lower	Upper
88	100		
43	38.5	30.2	45.2
58	73.0	59.5	89.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#50

Toluene-d8

Concen: 163.253 ug/l

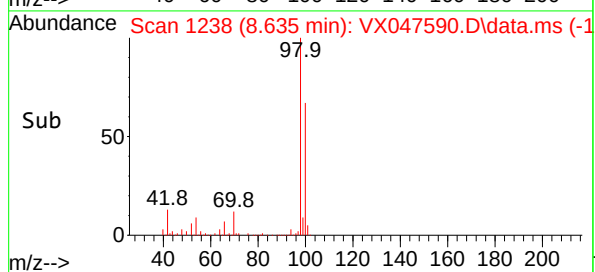
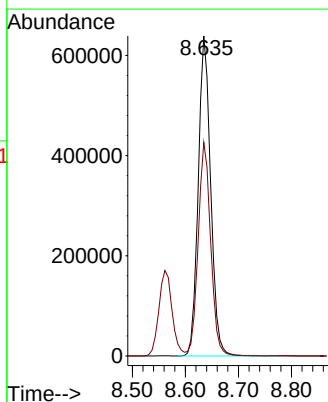
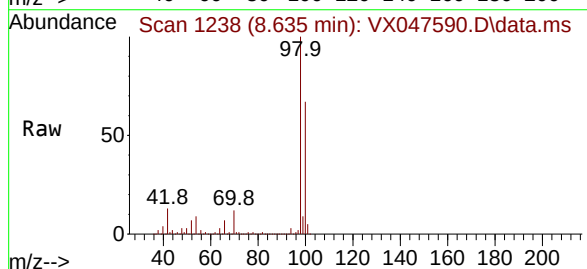
RT: 8.635 min Scan# 1238

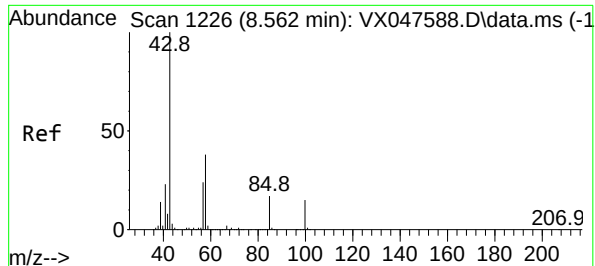
Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

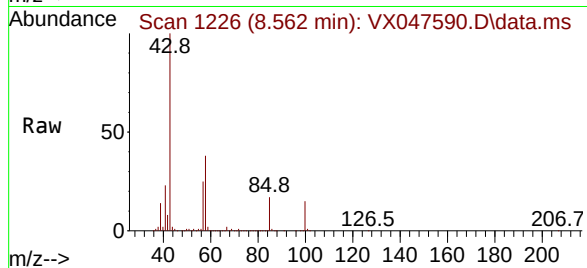
Tgt Ion:	98	Resp:	1041079
Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 765.849 ug/l
RT: 8.562 min Scan# 1226
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

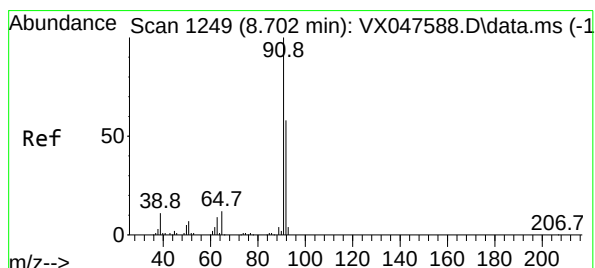
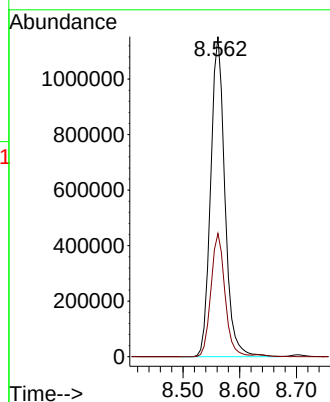
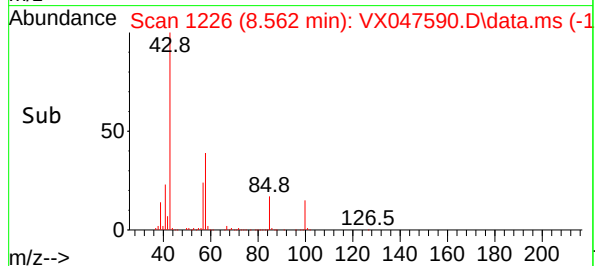
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 43 Resp: 200806
Ion Ratio Lower Upper
43 100
58 38.0 30.3 45.5

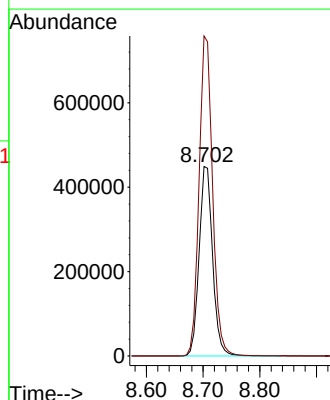
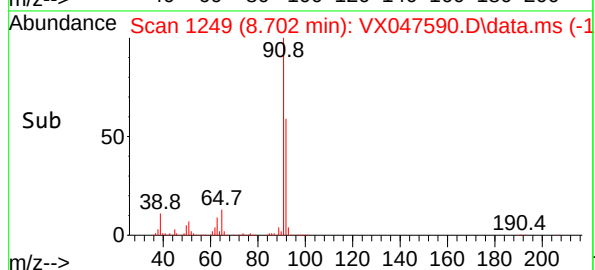
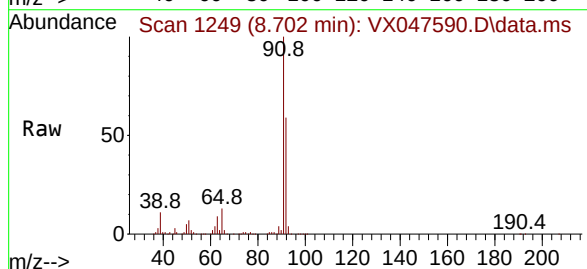
Manual Integrations
APPROVED

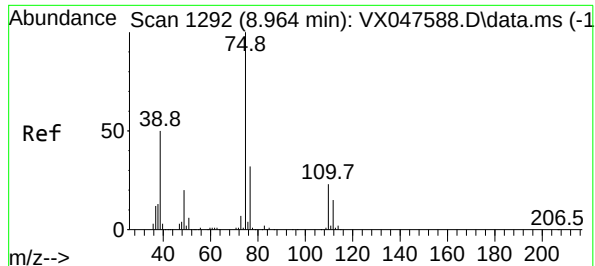
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#52
Toluene
Concen: 146.712 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 92 Resp: 739332
Ion Ratio Lower Upper
92 100
91 169.5 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 157.076 ug/l

RT: 8.964 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 75 Resp: 50391

Ion Ratio Lower Upper

75 100

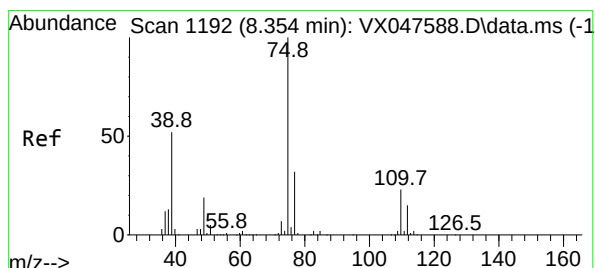
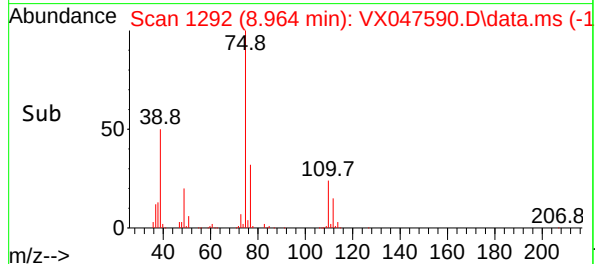
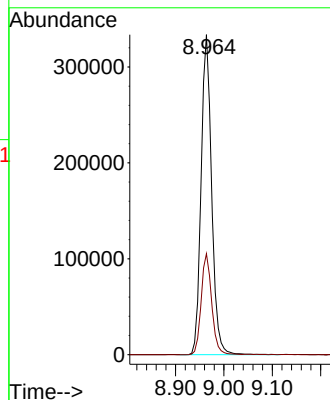
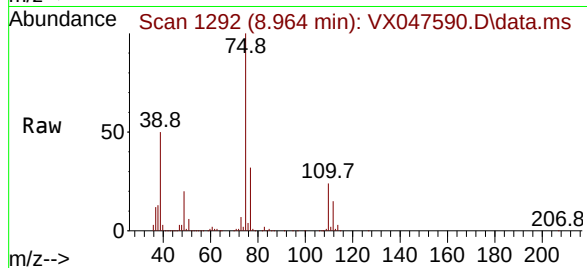
77 31.6 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#54

cis-1,3-Dichloropropene

Concen: 154.732 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

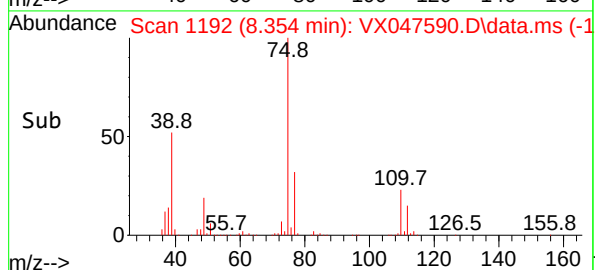
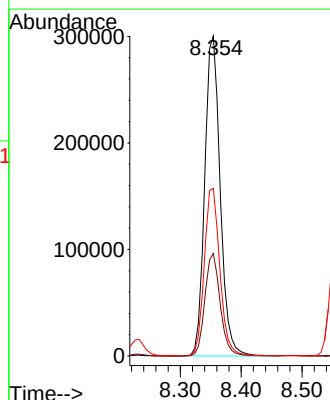
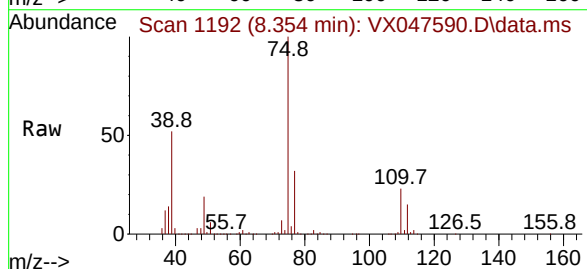
Tgt Ion: 75 Resp: 530566

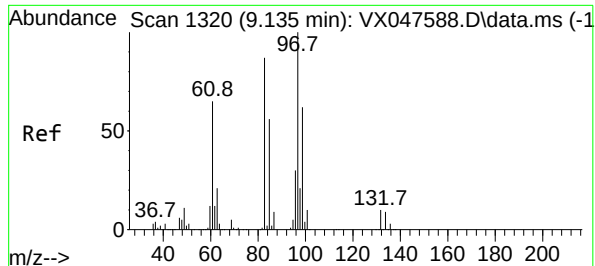
Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6

39 52.3 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 148.781 ug/l

RT: 9.135 min Scan# 1320

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 97 Resp: 28910

Ion Ratio Lower Upper

97 100

83 86.1 69.6 104.4

85 56.8 45.0 67.6

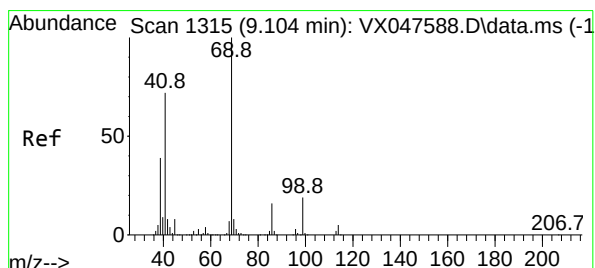
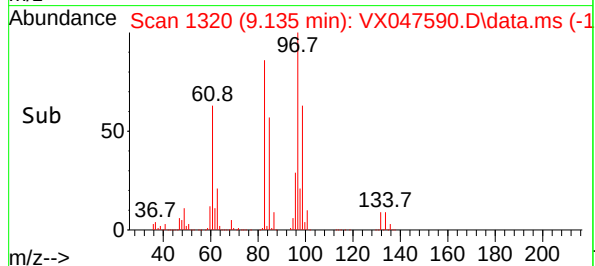
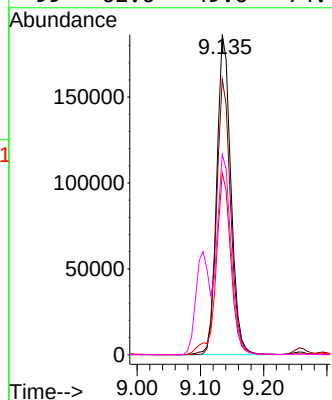
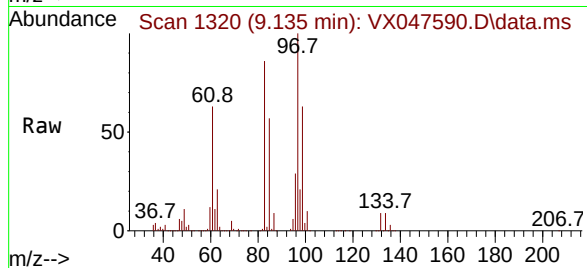
99 62.6 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#56

Ethyl methacrylate

Concen: 160.773 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

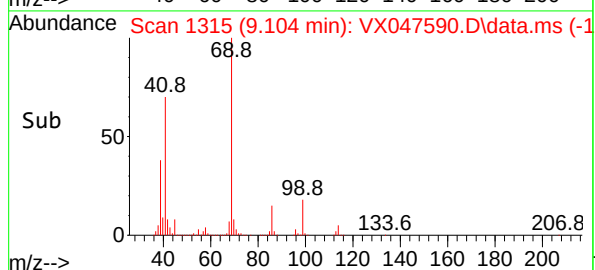
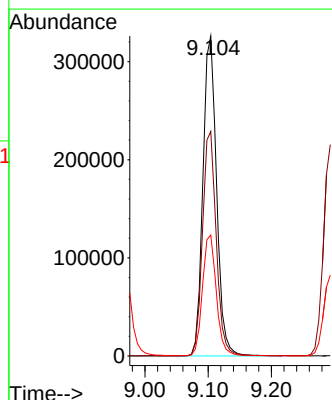
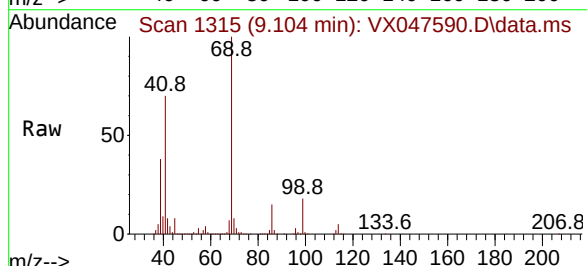
Tgt Ion: 69 Resp: 490623

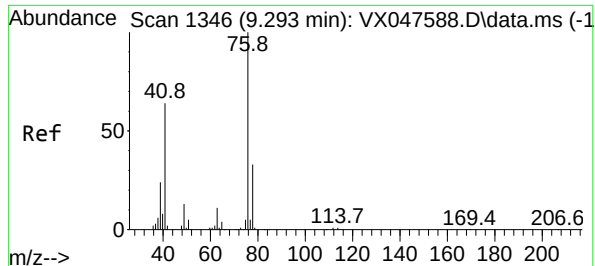
Ion Ratio Lower Upper

69 100

41 70.5 58.6 87.8

39 38.2 31.5 47.3





#57

1,3-Dichloropropane

Concen: 150.426 ug/l

RT: 9.293 min Scan# 1171

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 50212

Ion Ratio Lower Upper

76 100

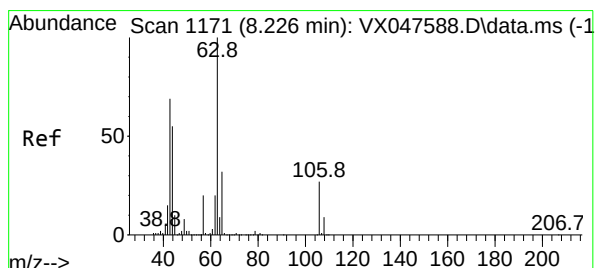
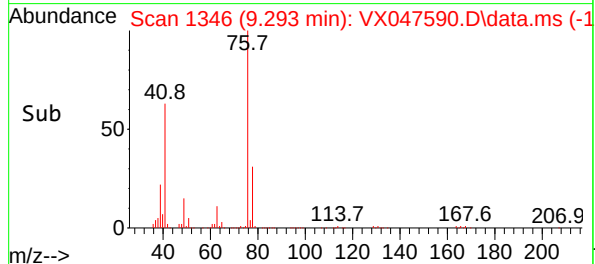
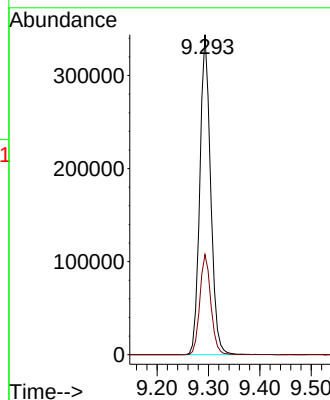
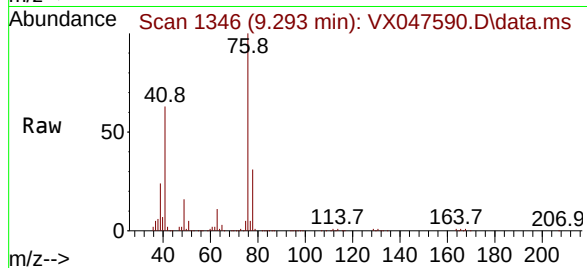
78 31.9 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#58

2-Chloroethyl Vinyl ether

Concen: 749.661 ug/l

RT: 8.232 min Scan# 1172

Delta R.T. 0.006 min

Lab File: VX047590.D

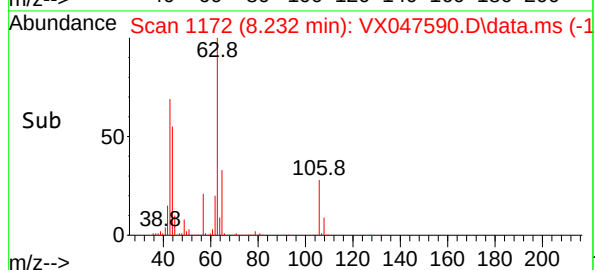
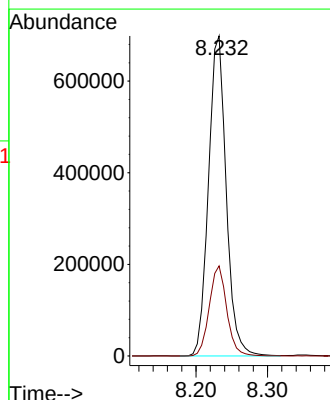
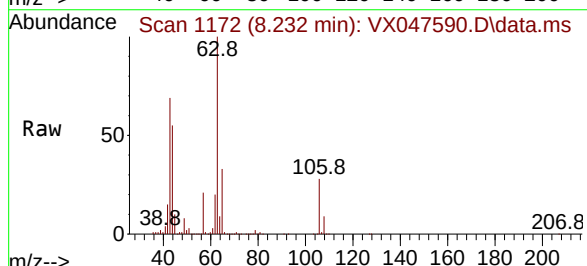
Acq: 16 Sep 2025 12:01

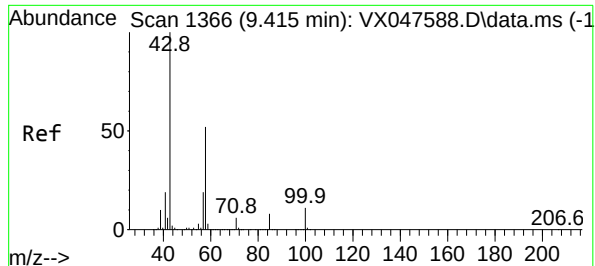
Tgt Ion: 63 Resp: 1202206

Ion Ratio Lower Upper

63 100

106 27.7 21.9 32.9





#59

2-Hexanone

Concen: 750.035 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 141241

Ion Ratio Lower Upper

43 100

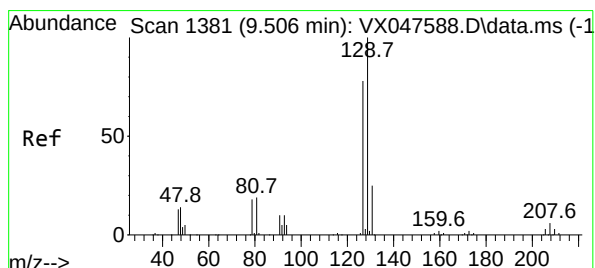
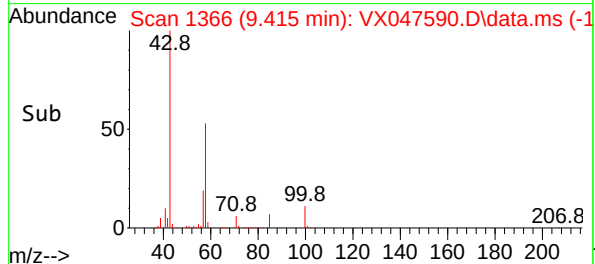
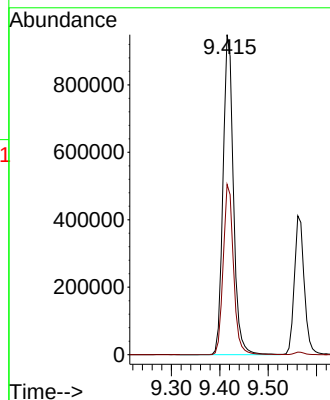
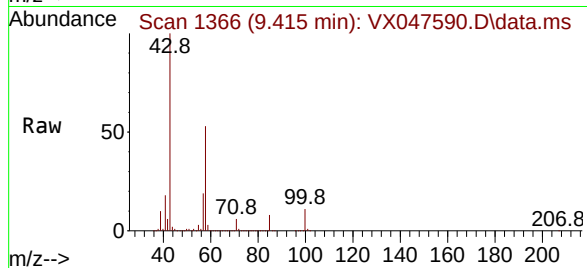
58 52.9 26.1 78.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#60

Dibromochloromethane

Concen: 155.318 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VX047590.D

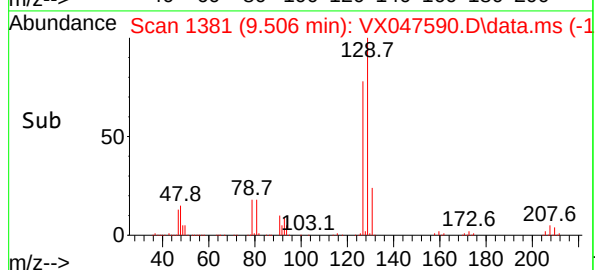
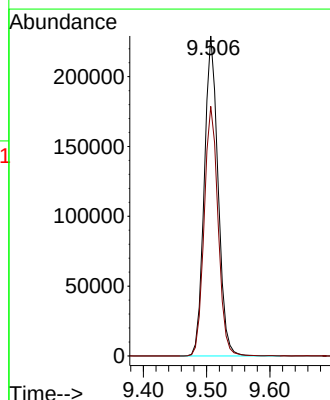
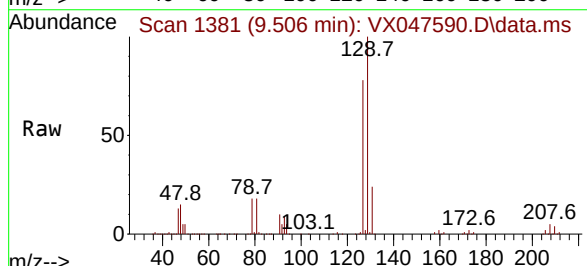
Acq: 16 Sep 2025 12:01

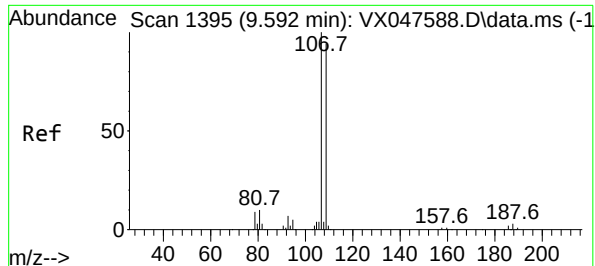
Tgt Ion:129 Resp: 347748

Ion Ratio Lower Upper

129 100

127 78.7 38.4 115.2





#61

1,2-Dibromoethane

Concen: 152.949 ug/l

RT: 9.592 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:107 Resp: 302715

Ion Ratio Lower Upper

107 100

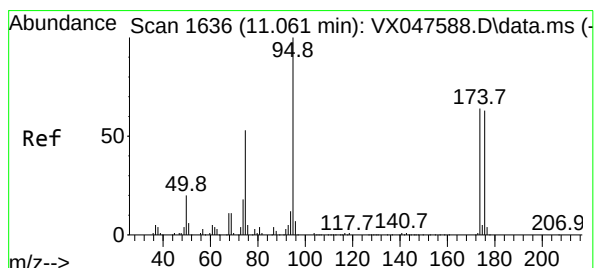
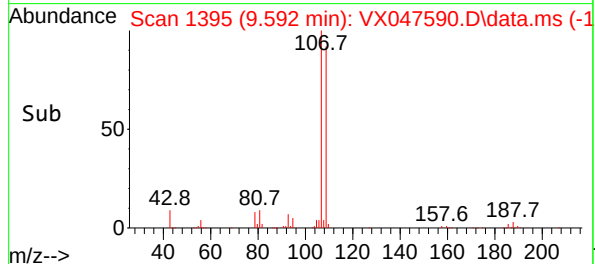
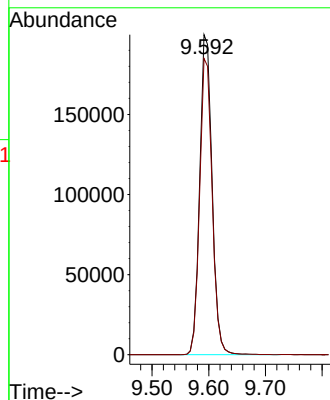
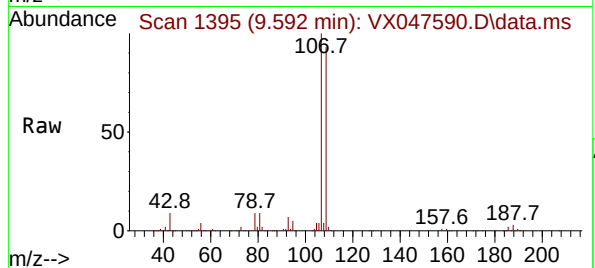
109 93.5 75.3 112.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#62

4-Bromofluorobenzene

Concen: 165.020 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. 0.006 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

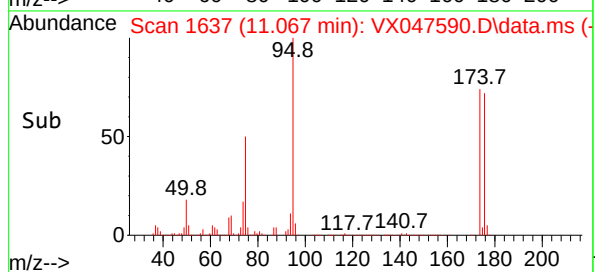
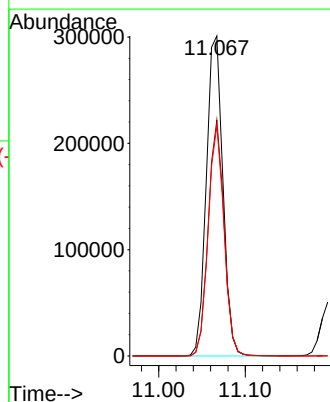
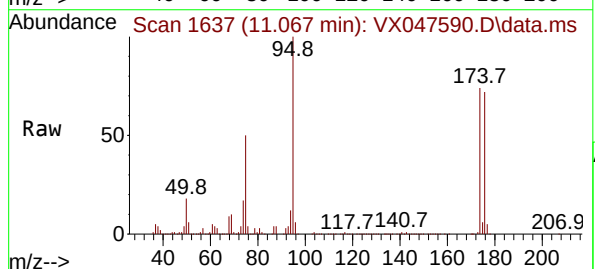
Tgt Ion: 95 Resp: 399386

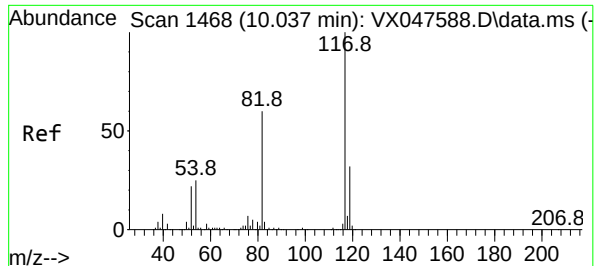
Ion Ratio Lower Upper

95 100

174 70.7 0.0 141.6

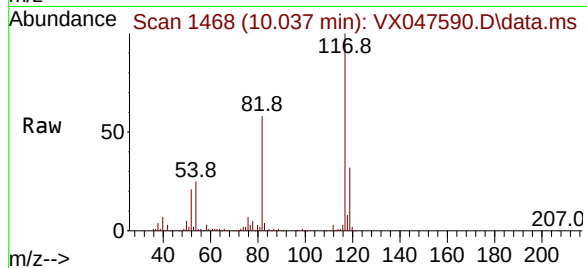
176 68.5 0.0 138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

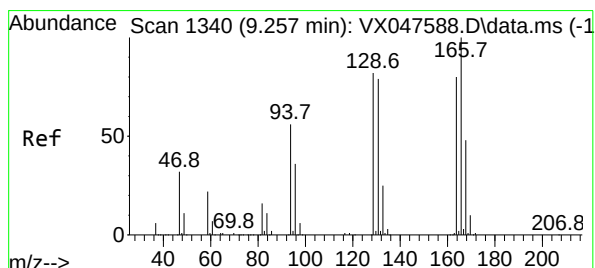
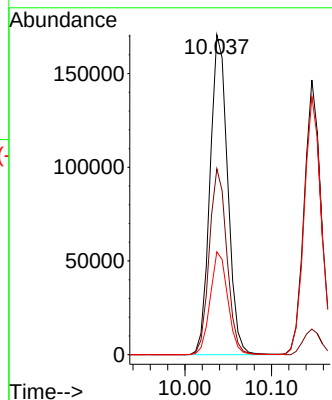
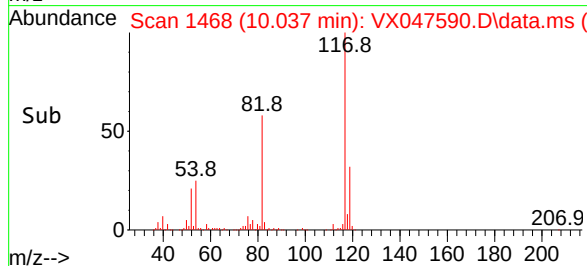
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



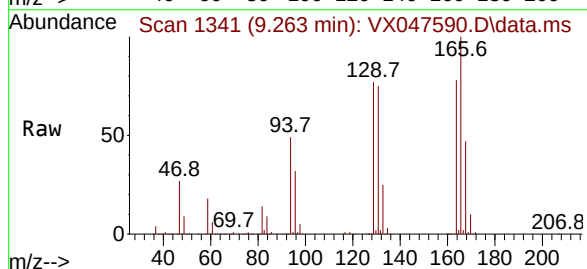
Tgt Ion:117 Resp: 241818
Ion Ratio Lower Upper
117 100
82 58.1 47.8 71.6
119 32.2 25.2 37.8

Manual Integrations
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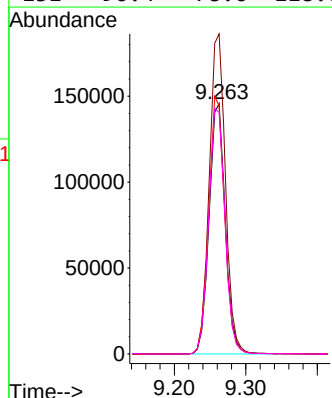
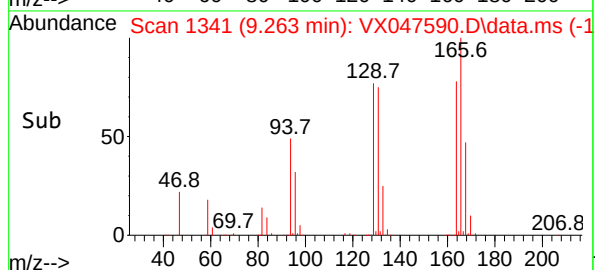
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

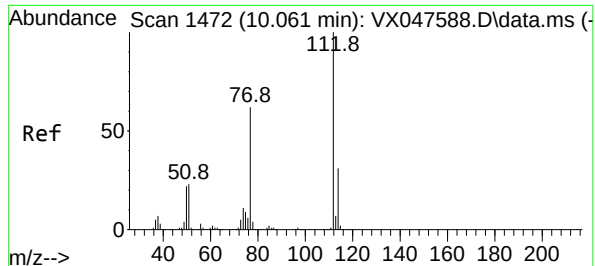


#64
Tetrachloroethene
Concen: 144.590 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01



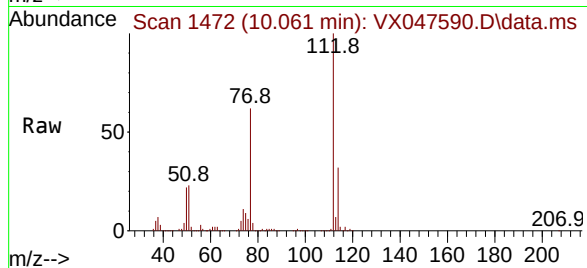
Tgt Ion:164 Resp: 227931
Ion Ratio Lower Upper
164 100
166 127.8 100.2 150.2
129 99.0 81.8 122.6
131 96.4 78.6 118.0





#65
Chlorobenzene
Concen: 150.763 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

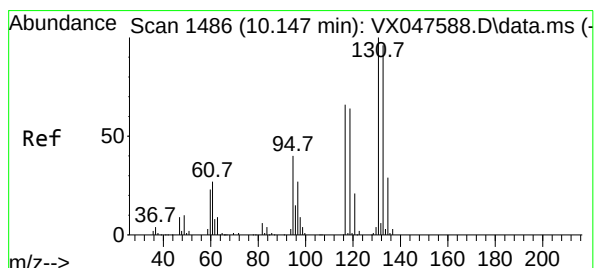
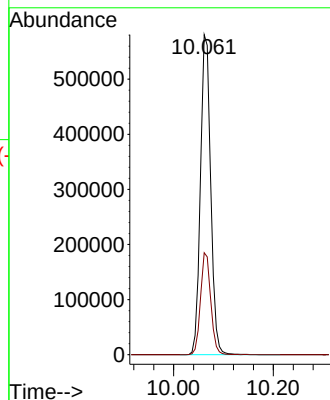
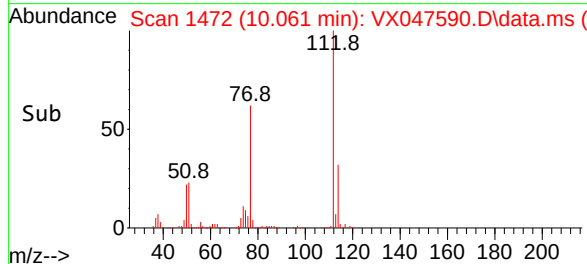
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:112 Resp: 828239
Ion Ratio Lower Upper
112 100
114 31.8 25.1 37.7

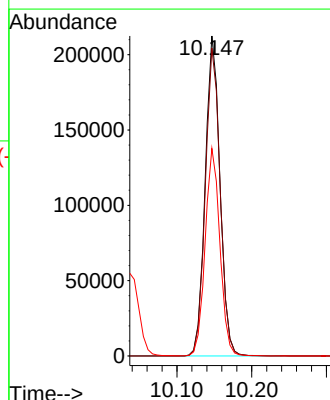
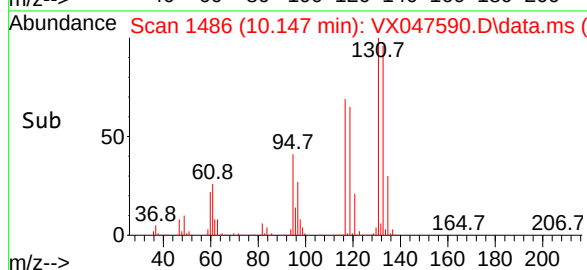
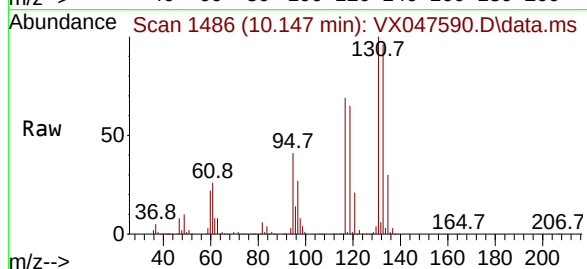
Manual Integrations
APPROVED

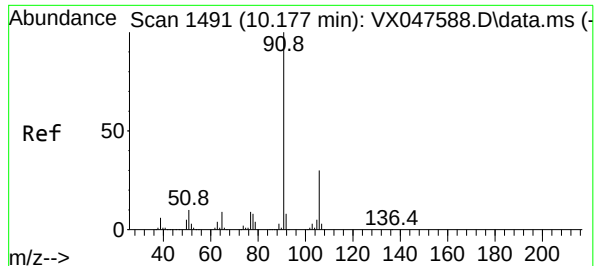
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 153.733 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:131 Resp: 291433
Ion Ratio Lower Upper
131 100
133 96.7 47.3 142.0
119 64.8 32.0 96.0





#67

Ethyl Benzene

Concen: 151.026 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 1431554

Ion Ratio Lower Upper

91 100

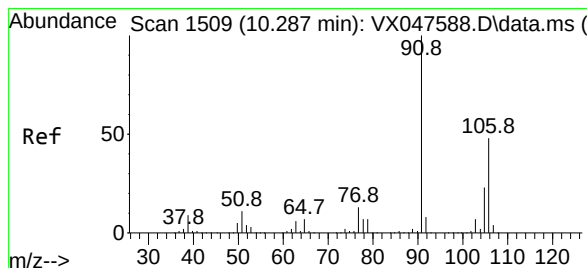
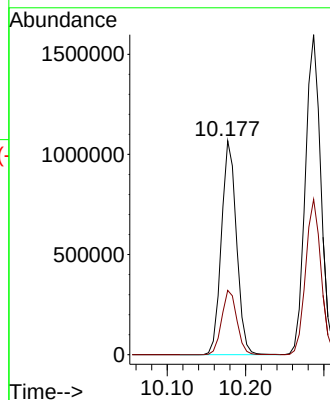
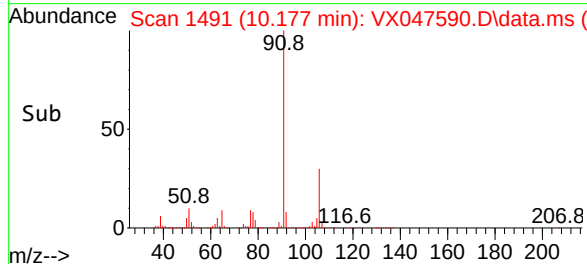
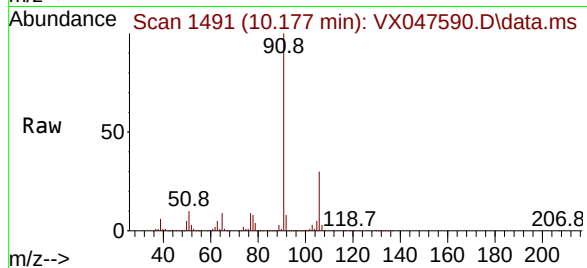
106 30.0 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#68

m/p-Xylenes

Concen: 300.381 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX047590.D

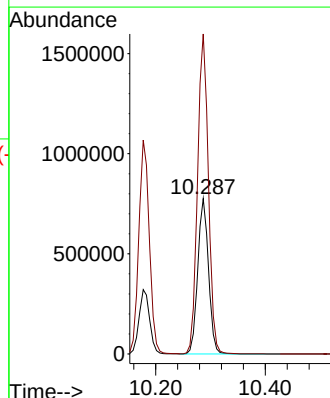
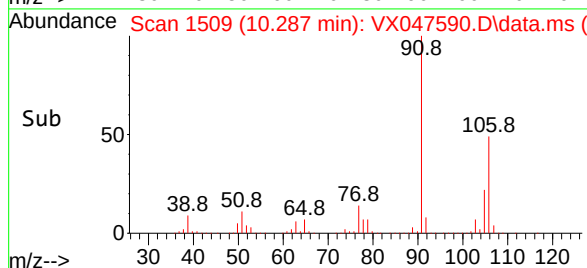
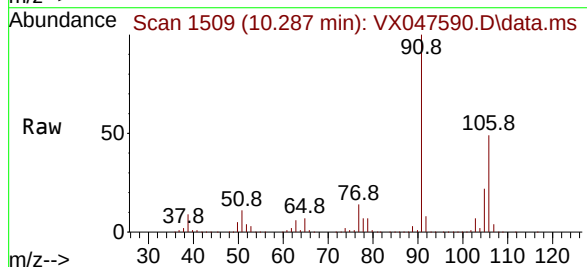
Acq: 16 Sep 2025 12:01

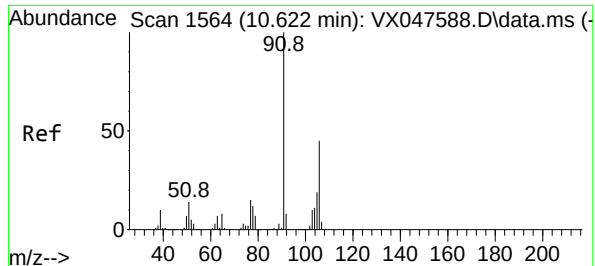
Tgt Ion:106 Resp: 1059776

Ion Ratio Lower Upper

106 100

91 208.0 167.8 251.8





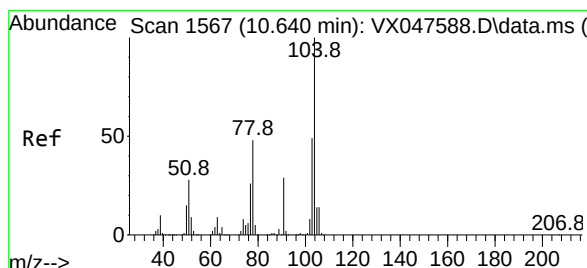
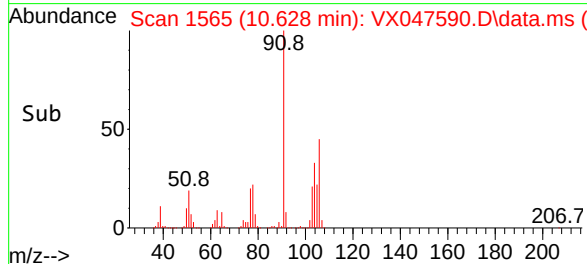
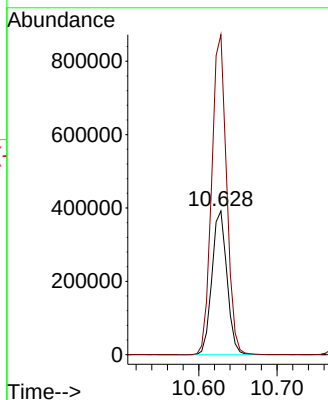
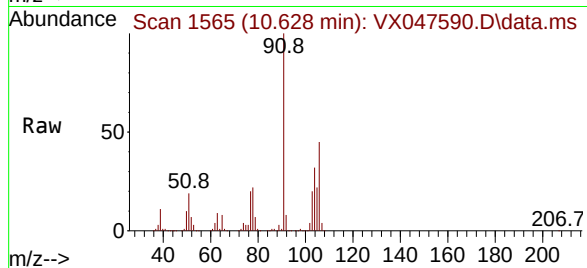
#69
o-Xylene
Concen: 152.920 ug/l
RT: 10.628 min Scan# 1564
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 521840
Ion Ratio Lower Upper
106 100
91 220.7 111.1 333.4

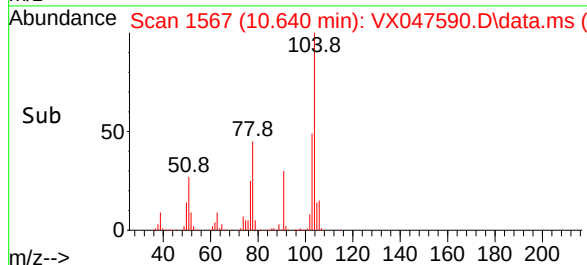
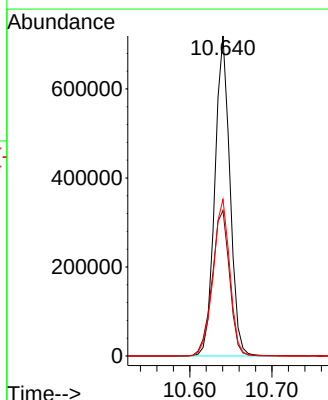
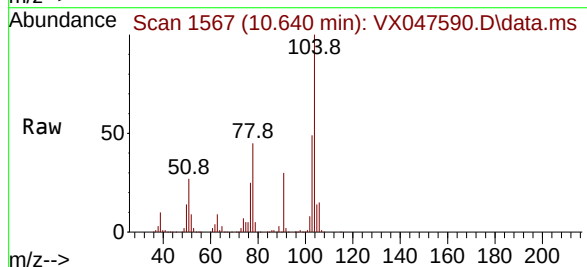
Manual Integrations
APPROVED

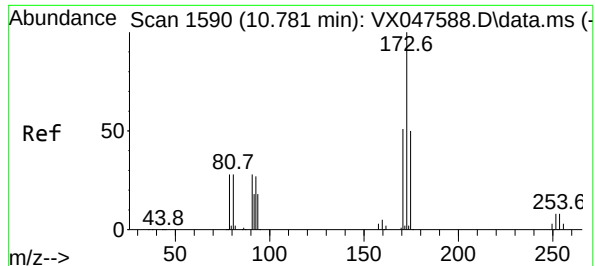
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#70
Styrene
Concen: 153.449 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

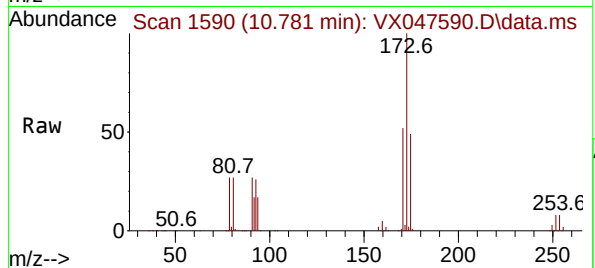
Tgt Ion:104 Resp: 917532
Ion Ratio Lower Upper
104 100
78 52.4 43.1 64.7
103 54.0 43.1 64.7





#71
Bromoform
Concen: 162.262 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

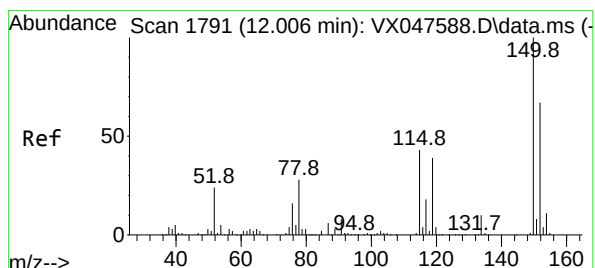
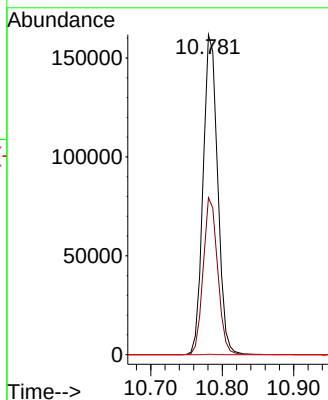
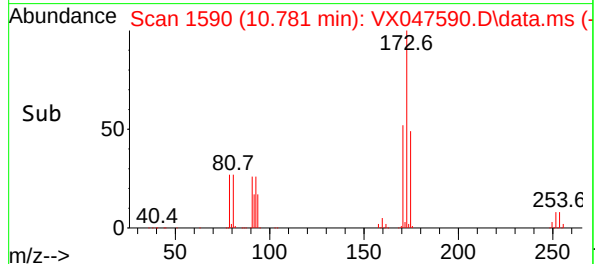
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



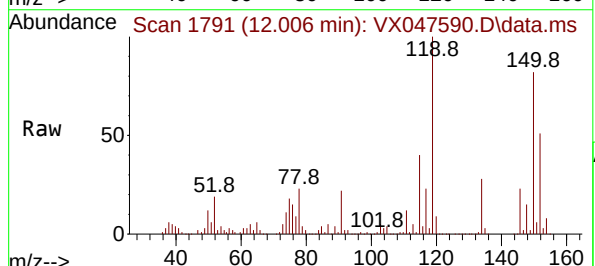
Tgt Ion:173 Resp: 22968
Ion Ratio Lower Upper
173 100
175 48.7 24.9 74.6
254 0.1 0.1 0.1

Manual Integrations
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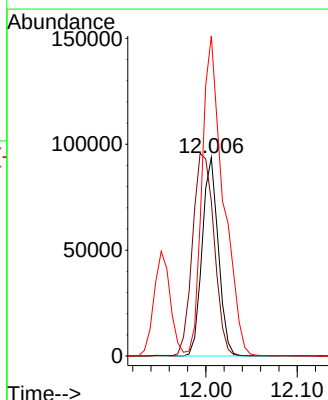
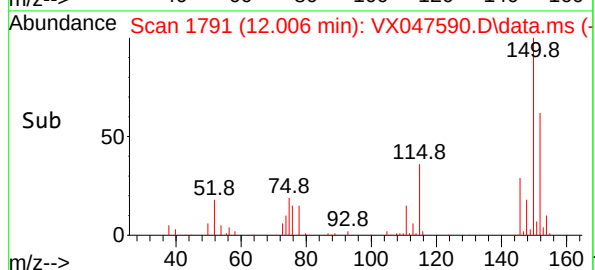
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

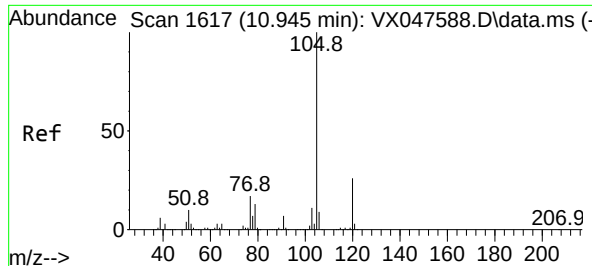


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01



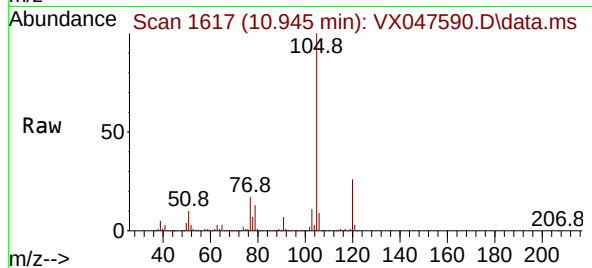
Tgt Ion:152 Resp: 114743
Ion Ratio Lower Upper
152 100
115 136.9 44.9 134.5#
150 212.9 0.0 352.0





#73
Isopropylbenzene
Concen: 151.477 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

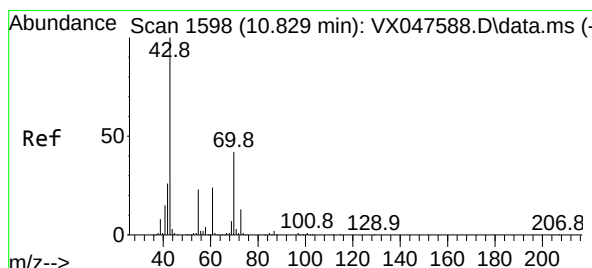
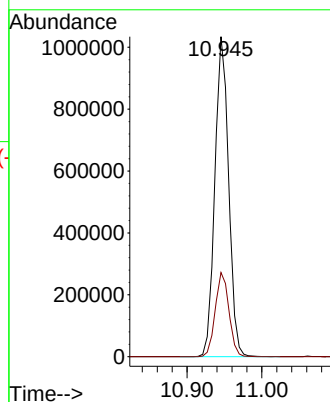
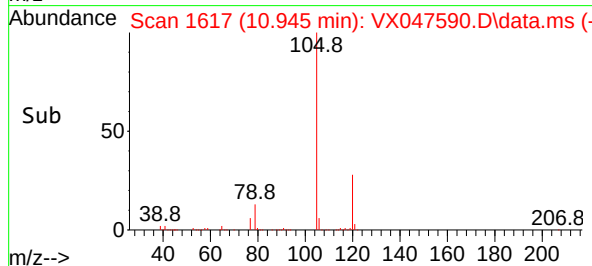
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 105 Resp: 1321409
Ion Ratio Lower Upper
105 100
120 26.2 12.8 38.4

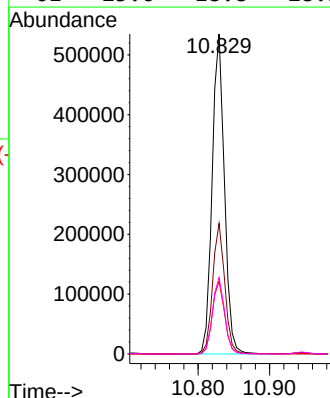
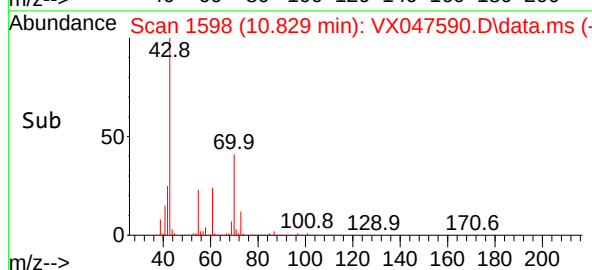
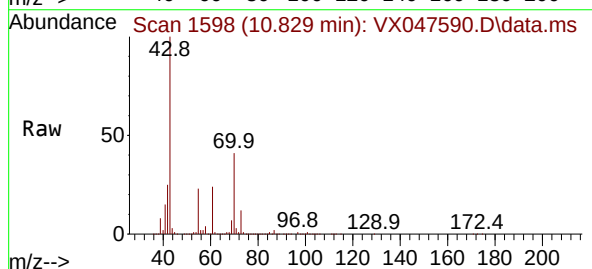
Manual Integrations
APPROVED

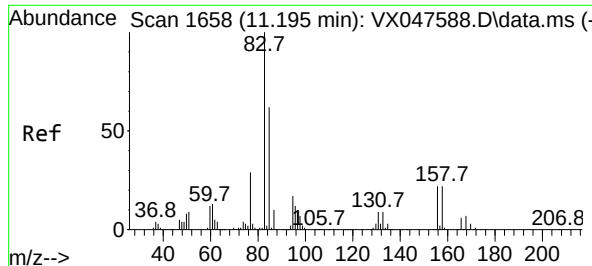
Reviewed By : John Carlone 09/17/2025
Supervised By : Mahesh Dadoda 09/18/2025



#74
N-ethyl acetate
Concen: 160.099 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 636879
Ion Ratio Lower Upper
43 100
70 40.4 32.0 48.0
55 22.9 18.9 28.3
61 23.6 18.8 28.2





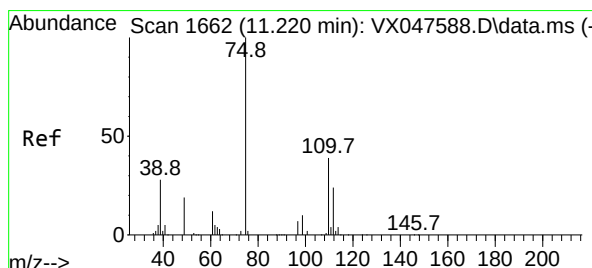
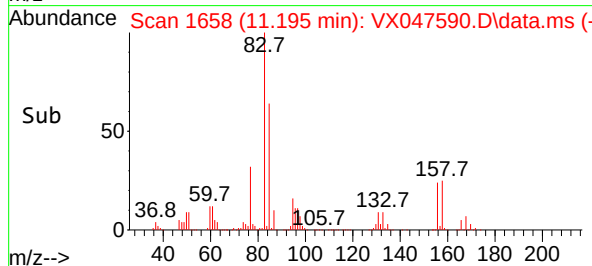
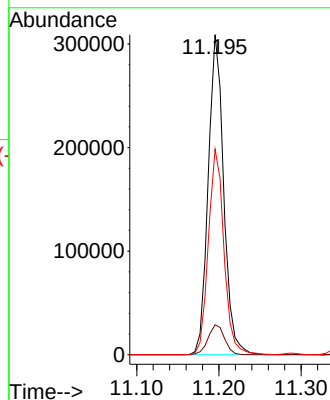
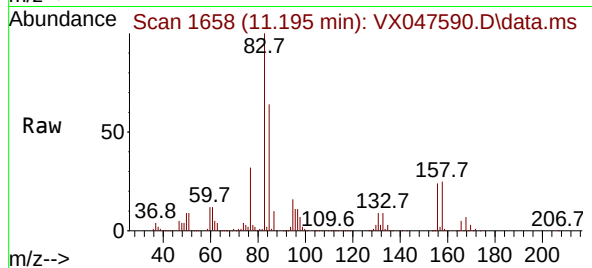
#75
1,1,2,2-Tetrachloroethane
Concen: 153.035 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 403900
Ion Ratio Lower Upper
83 100
131 10.0 5.0 14.9
85 64.6 31.6 95.0

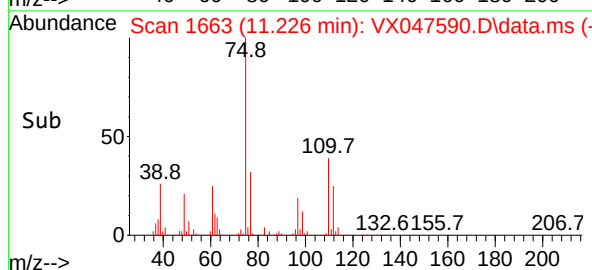
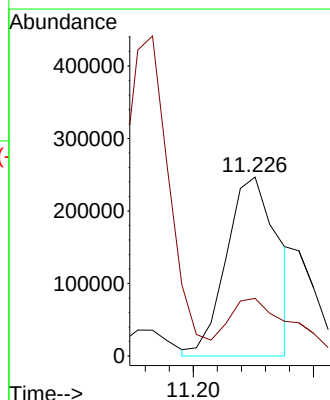
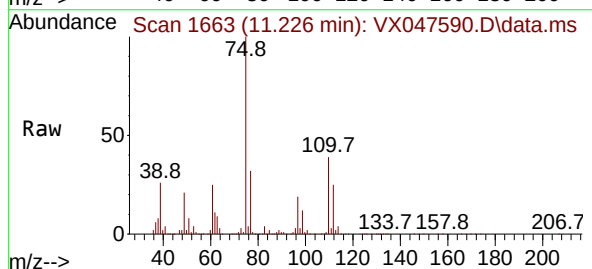
Manual Integrations
APPROVED

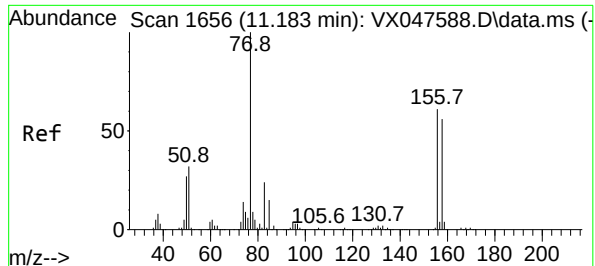
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#76
1,2,3-Trichloropropane
Concen: 153.692 ug/l m
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

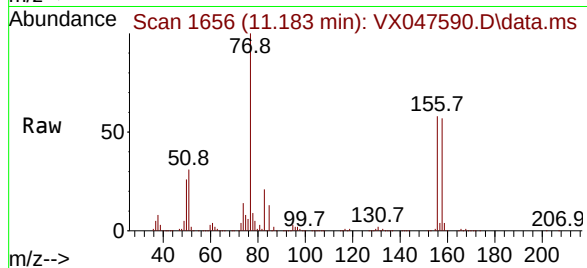
Tgt Ion: 75 Resp: 366171
Ion Ratio Lower Upper
75 100
77 39.7 18.8 56.4





#77
Bromobenzene
Concen: 152.818 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

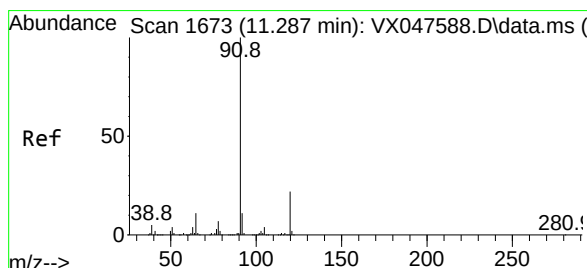
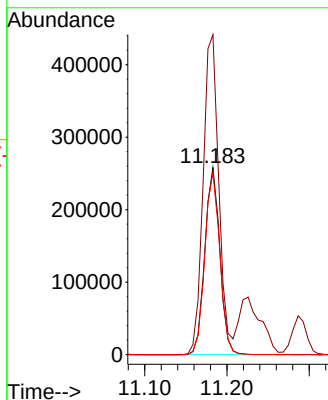
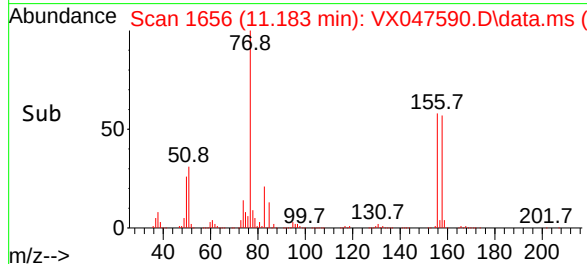
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



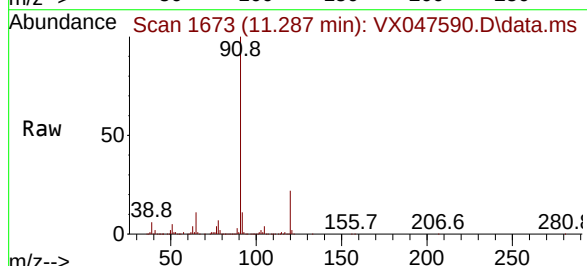
Tgt Ion: 156 Resp: 328330
Ion Ratio Lower Upper
156 100
77 178.2 89.7 269.1
158 97.5 47.9 143.6

Manual Integrations
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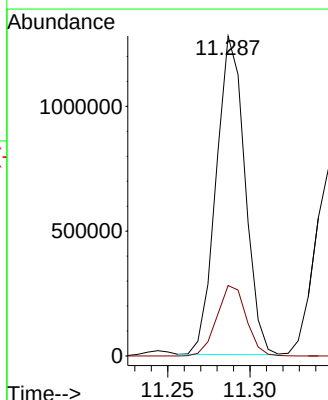
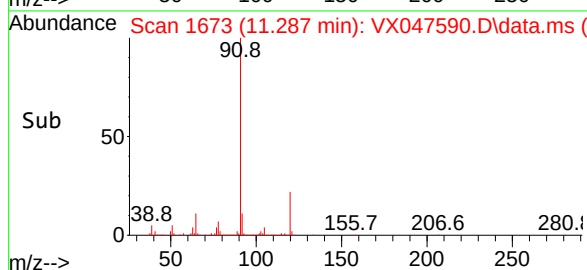
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

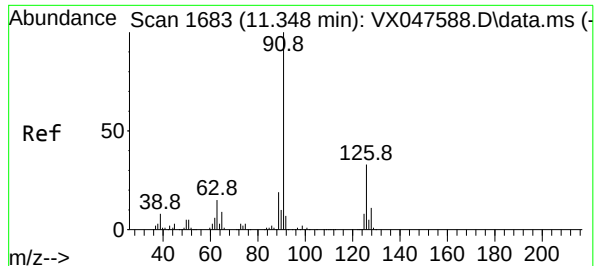


#78
n-propylbenzene
Concen: 150.337 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01



Tgt Ion: 91 Resp: 1550316
Ion Ratio Lower Upper
91 100
120 22.7 11.1 33.1





#79

2-Chlorotoluene

Concen: 148.781 ug/l

RT: 11.348 min Scan# 1683

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 93970

Ion Ratio Lower Upper

91 100

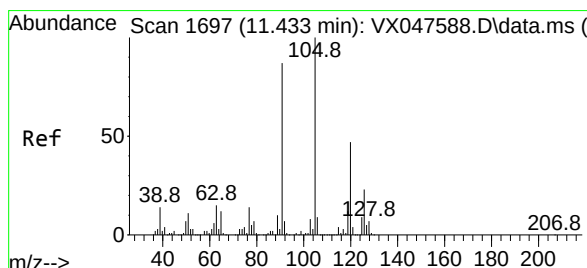
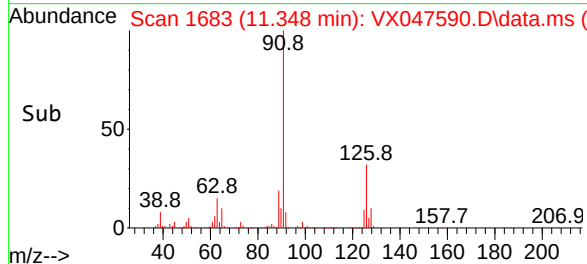
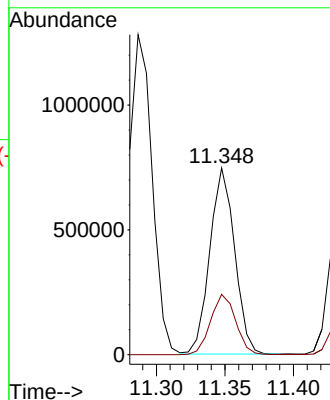
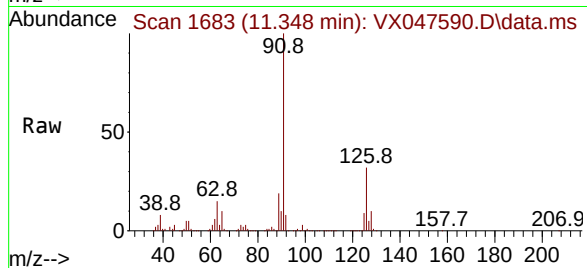
126 32.7 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#80

1,3,5-Trimethylbenzene

Concen: 152.306 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX047590.D

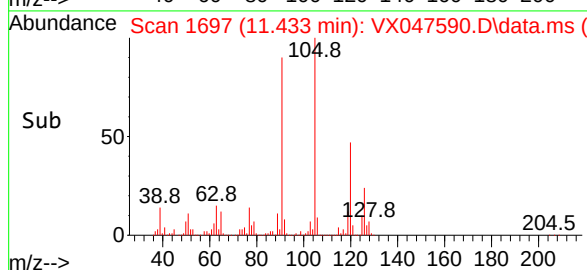
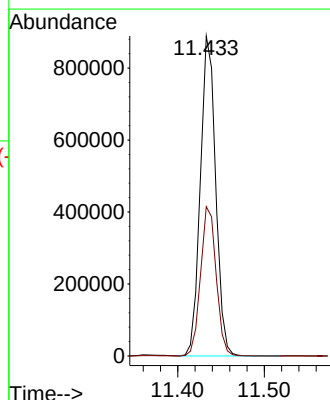
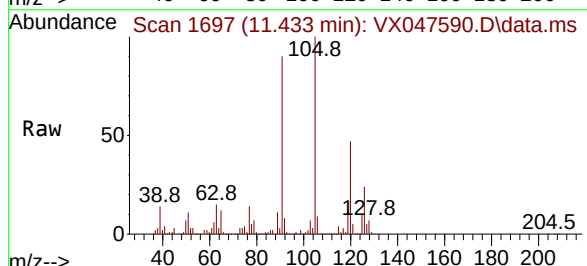
Acq: 16 Sep 2025 12:01

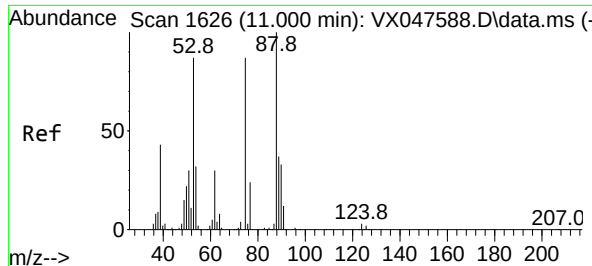
Tgt Ion:105 Resp: 1091593

Ion Ratio Lower Upper

105 100

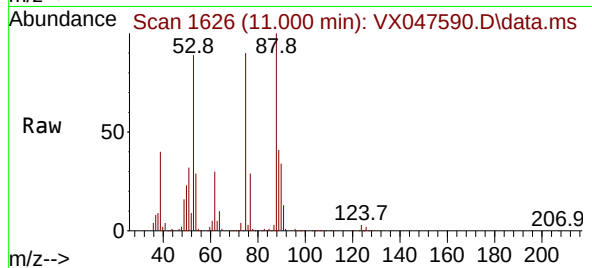
120 47.4 23.6 70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 160.176 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

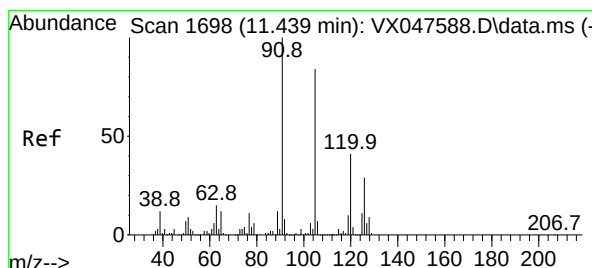
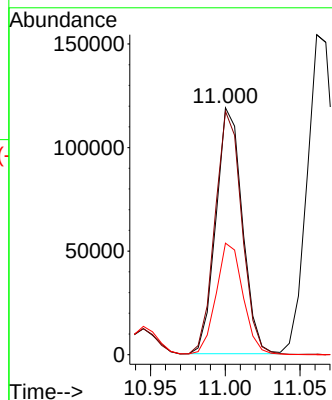
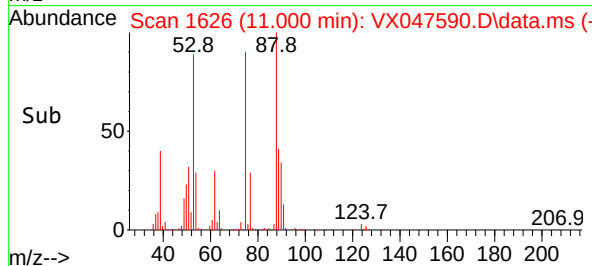
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 75 Resp: 14592
Ion Ratio Lower Upper
75 100
53 100.8 83.4 125.2
89 46.3 36.3 54.5

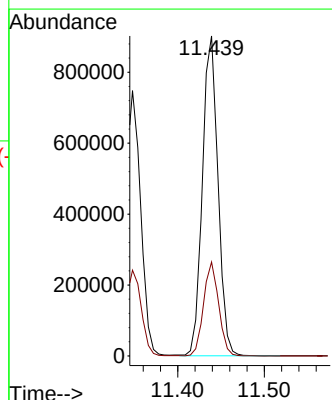
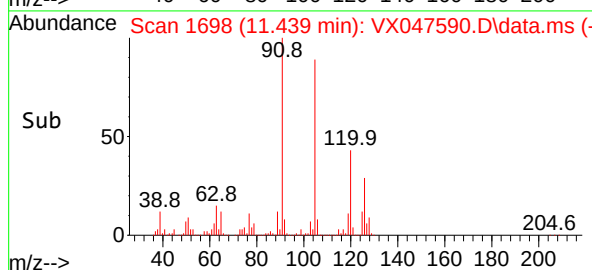
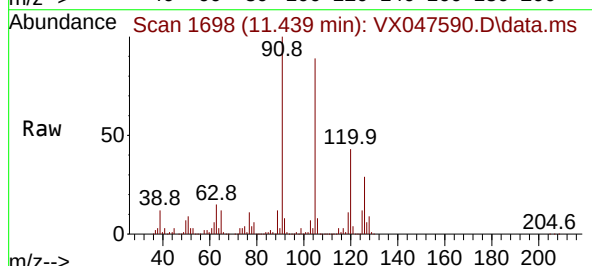
Manual Integrations
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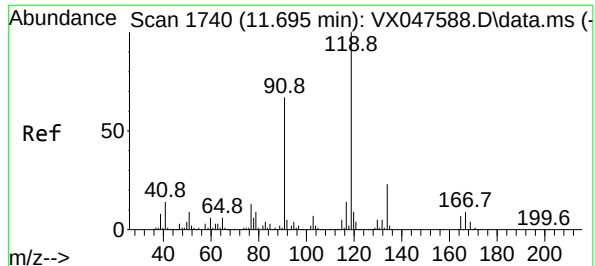
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#82
4-Chlorotoluene
Concen: 151.112 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1127233
Ion Ratio Lower Upper
91 100
126 28.5 14.2 42.6





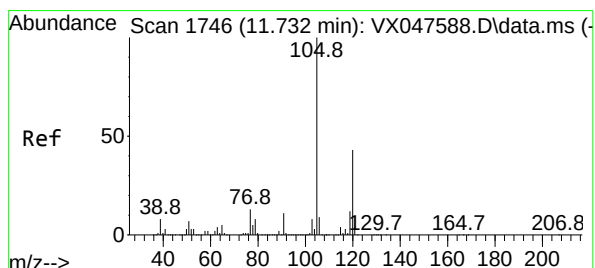
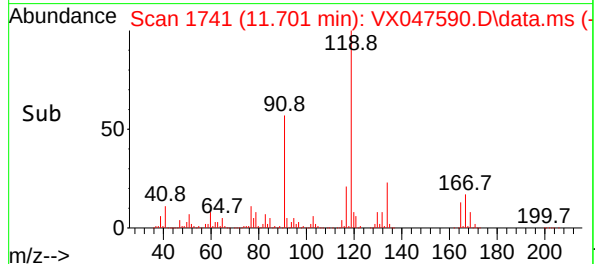
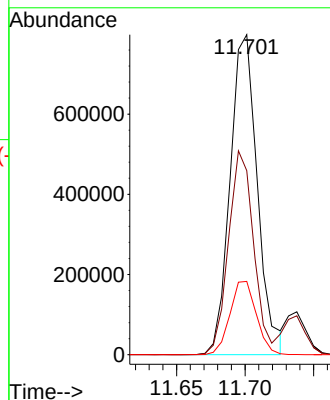
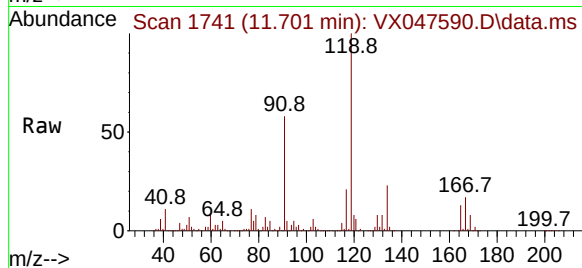
#83
tert-Butylbenzene
Concen: 150.819 ug/l
RT: 11.701 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 110653
Ion Ratio Lower Upper
119 100
91 58.7 29.6 88.8
134 22.3 11.0 33.0

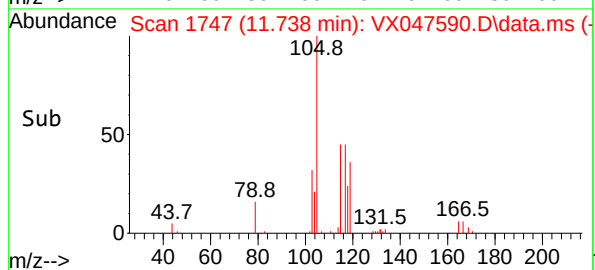
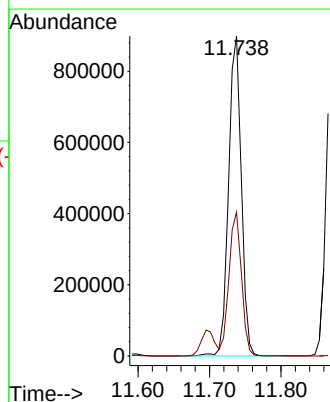
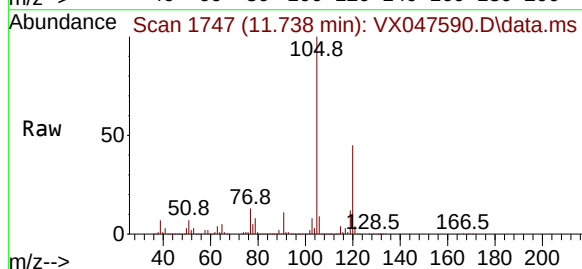
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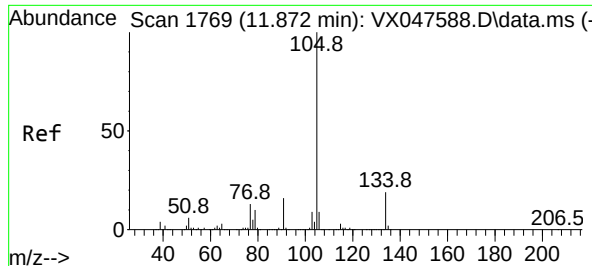
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#84
1,2,4-Trimethylbenzene
Concen: 152.336 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

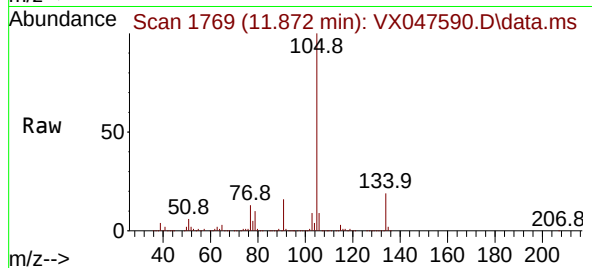
Tgt Ion:105 Resp: 1106914
Ion Ratio Lower Upper
105 100
120 44.4 22.1 66.1





#85
sec-Butylbenzene
Concen: 151.448 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

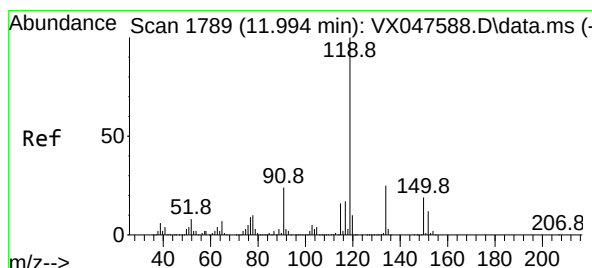
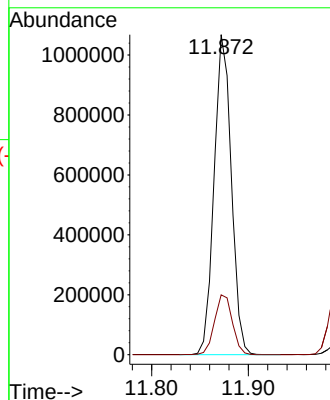
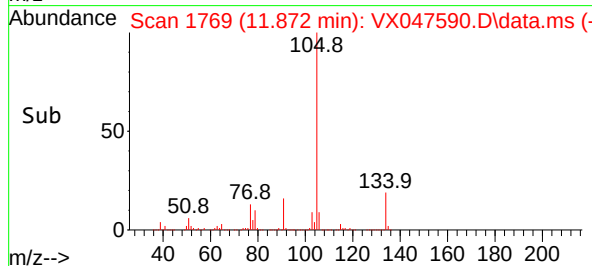
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



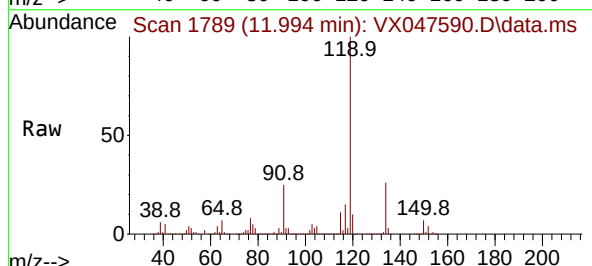
Tgt Ion:105 Resp: 1319819
Ion Ratio Lower Upper
105 100
134 19.4 9.8 29.5

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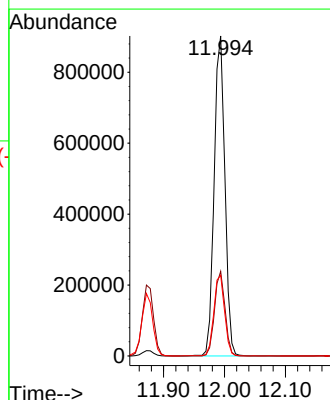
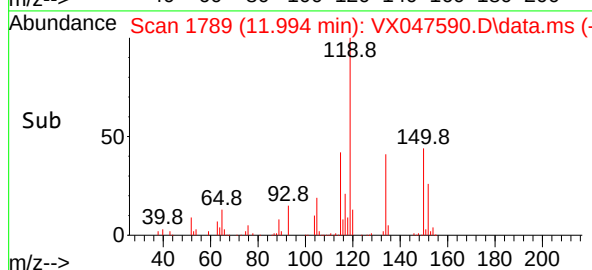
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

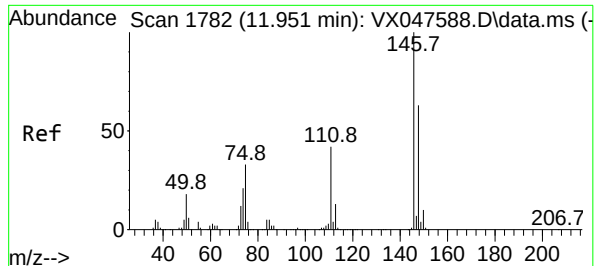


#86
p-Isopropyltoluene
Concen: 149.530 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01



Tgt Ion:119 Resp: 1103210
Ion Ratio Lower Upper
119 100
134 25.9 12.6 37.8
91 25.3 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 151.633 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:146 Resp: 60512

Ion Ratio Lower Upper

146 100

111 42.8 21.5 64.5

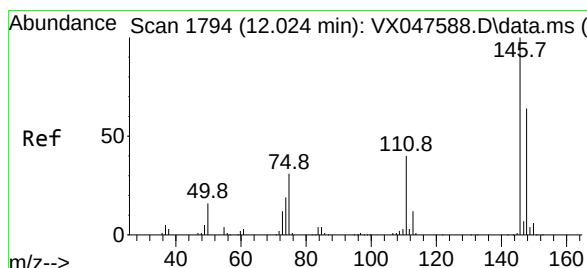
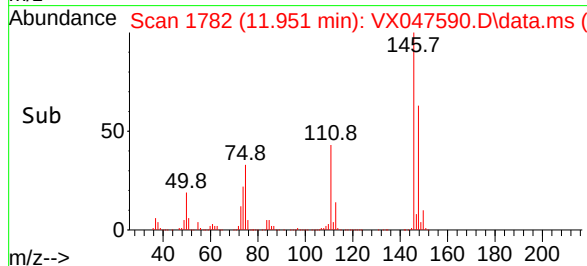
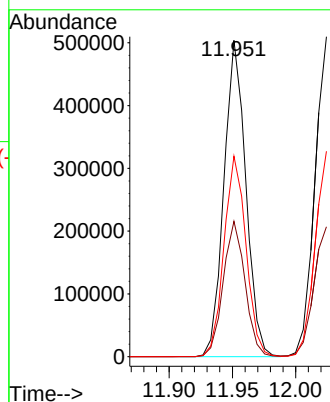
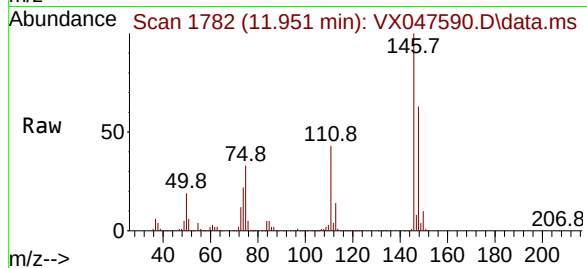
148 63.8 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#88

1,4-Dichlorobenzene

Concen: 149.814 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

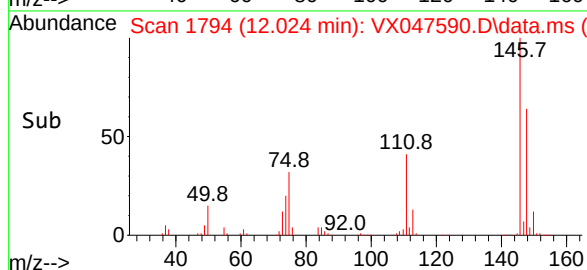
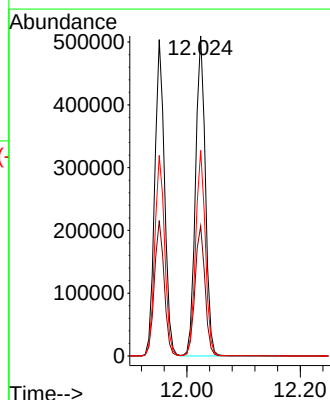
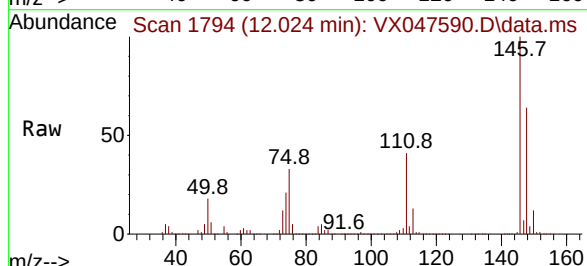
Tgt Ion:146 Resp: 613617

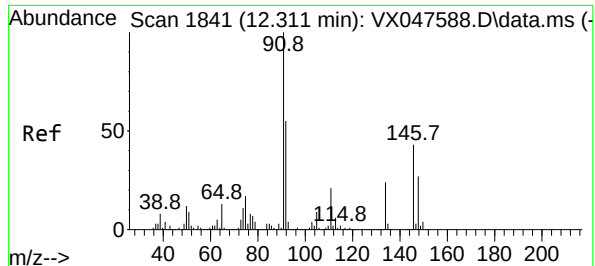
Ion Ratio Lower Upper

146 100

111 41.0 20.8 62.4

148 63.2 31.7 95.1





#89

n-Butylbenzene

Concen: 151.222 ug/l

RT: 12.317 min Scan# 1841

Delta R.T. 0.006 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 103235

Ion Ratio Lower Upper

91 100

92 55.2 27.6 82.7

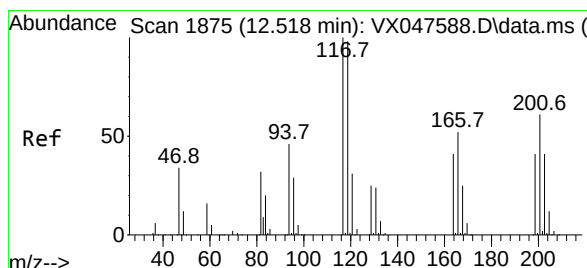
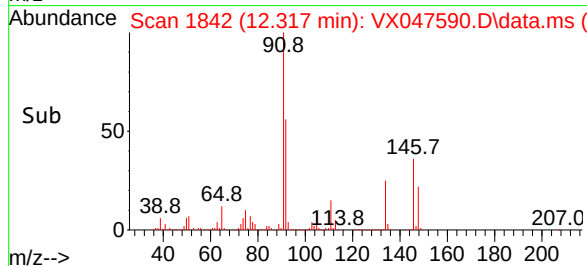
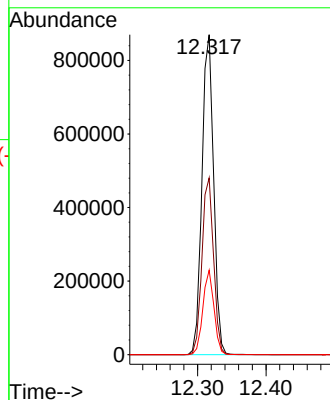
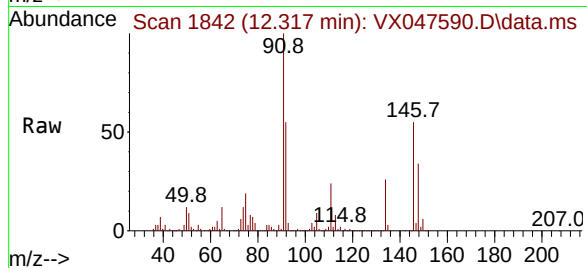
134 25.2 12.6 37.8

Manual Integrations

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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#90

Hexachloroethane

Concen: 163.258 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX047590.D

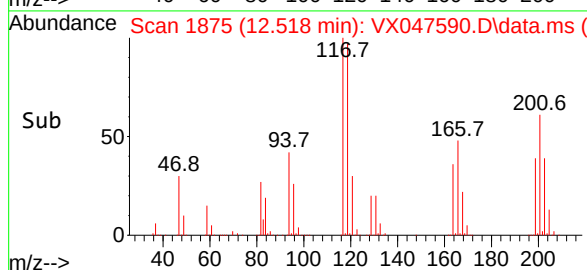
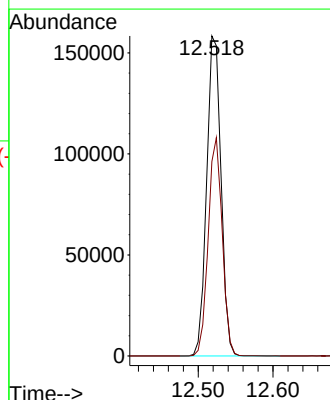
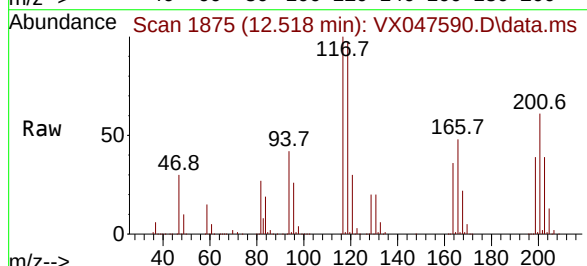
Acq: 16 Sep 2025 12:01

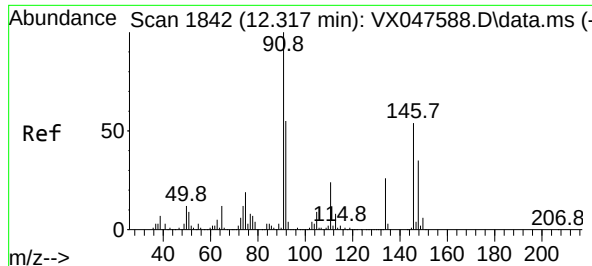
Tgt Ion:117 Resp: 211472

Ion Ratio Lower Upper

117 100

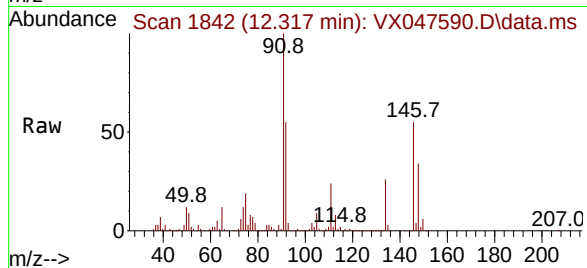
201 66.6 34.2 102.5





#91
1,2-Dichlorobenzene
Concen: 153.227 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

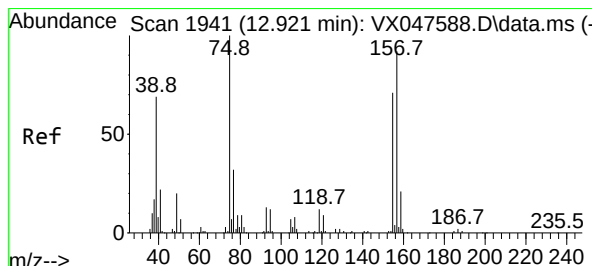
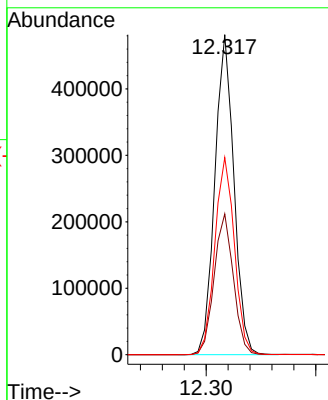
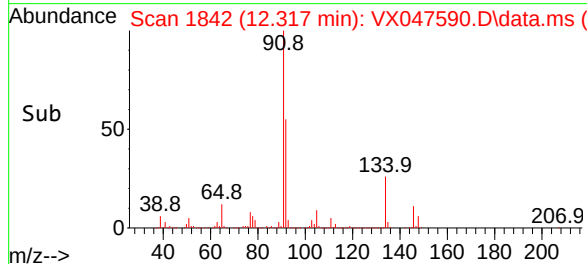
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:146 Resp: 58256
Ion Ratio Lower Upper
146 100
111 44.5 22.2 66.6
148 63.5 31.8 95.4

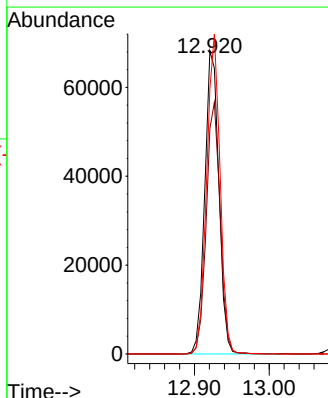
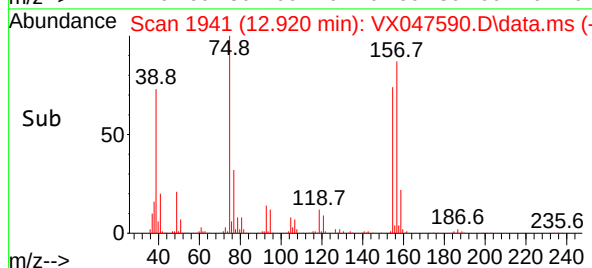
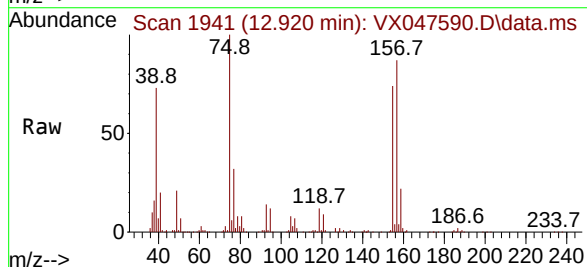
Manual Integrations
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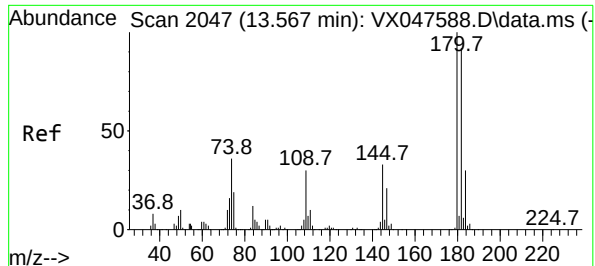
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 167.332 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 89415
Ion Ratio Lower Upper
75 100
155 81.3 37.7 113.1
157 100.6 49.8 149.4





#93

1,2,4-Trichlorobenzene

Concen: 156.884 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 387652

Ion Ratio Lower Upper

180 100

182 95.3 46.6 139.8

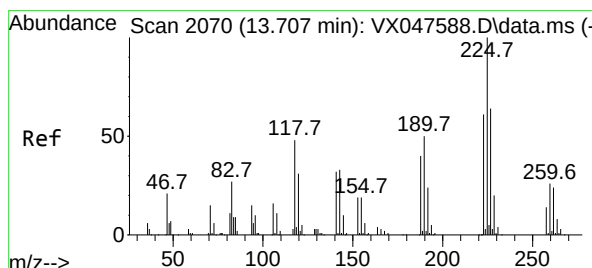
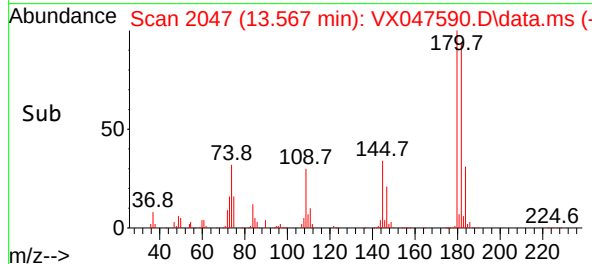
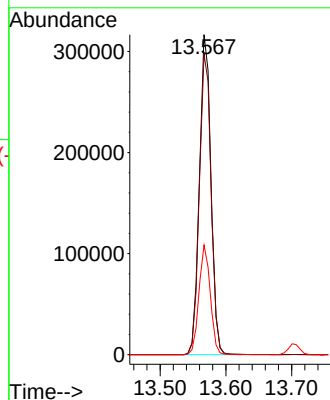
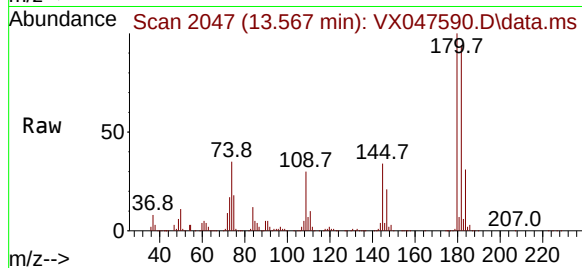
145 33.5 16.4 49.1

Manual Integrations

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Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#94

Hexachlorobutadiene

Concen: 145.110 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

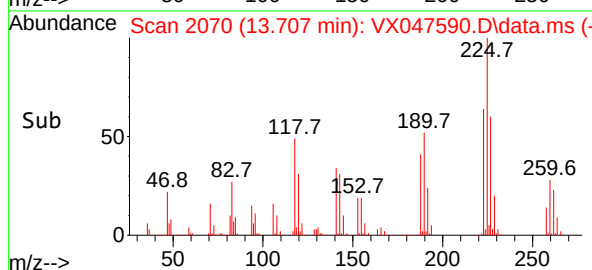
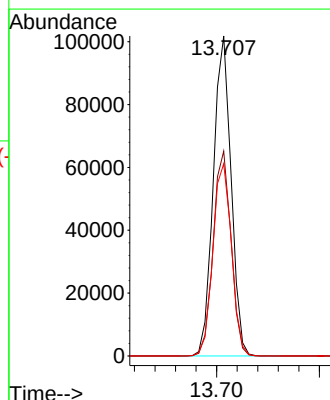
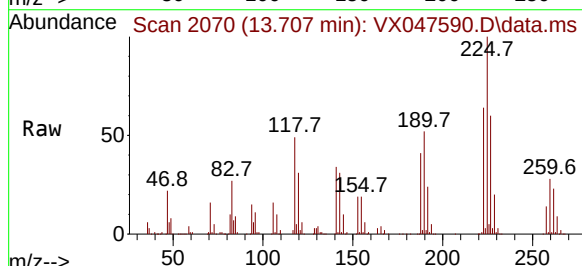
Tgt Ion:225 Resp: 121791

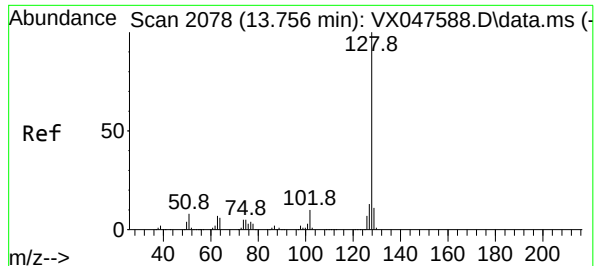
Ion Ratio Lower Upper

225 100

223 64.2 31.7 95.1

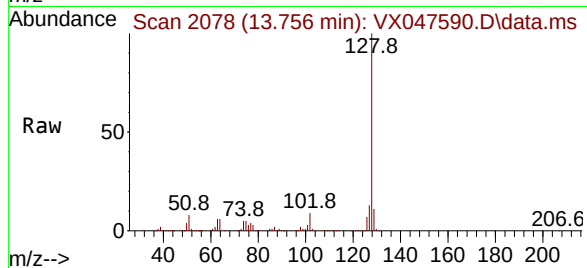
227 62.8 32.0 96.0





#95
Naphthalene
Concen: 163.388 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

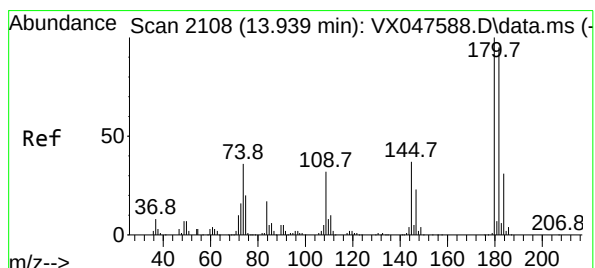
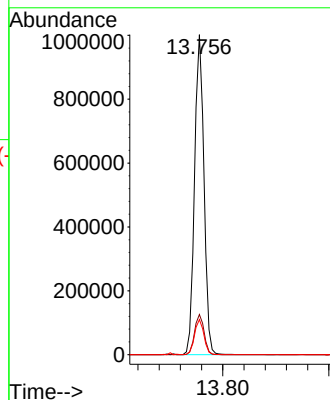
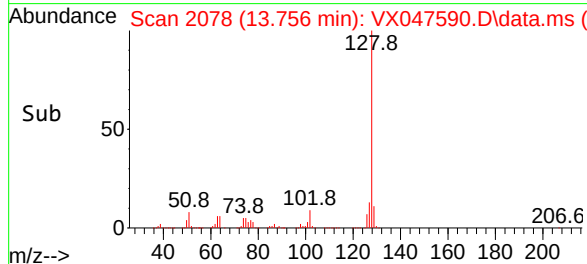
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



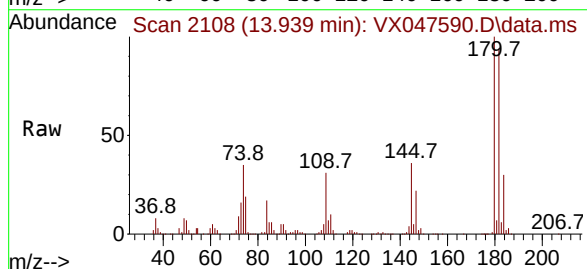
Tgt Ion:128 Resp: 122936
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.9 8.8 13.2

Manual Integrations
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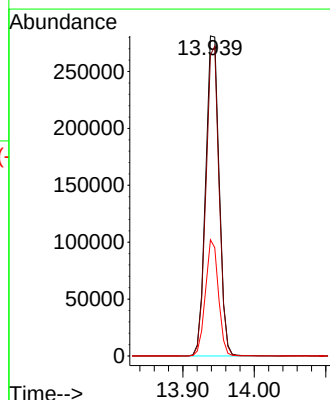
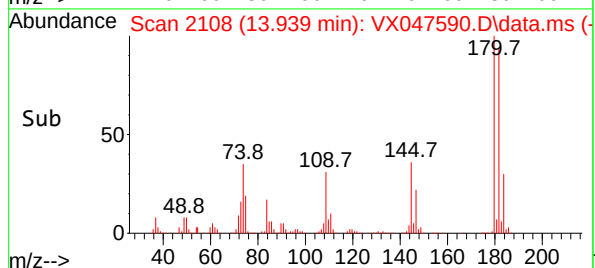
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 160.704 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01



Tgt Ion:180 Resp: 369382
Ion Ratio Lower Upper
180 100
182 94.6 47.6 142.8
145 34.9 17.9 53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047592.D
 Acq On : 16 Sep 2025 13:35
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091625

Quant Time: Sep 17 06:47:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	186484	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	331837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139252	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.934	65	135209	45.550	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.100%
35) Dibromofluoromethane	5.367	113	101390	45.559	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.120%
50) Toluene-d8	8.634	98	357393	46.411	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.820%
62) 4-Bromofluorobenzene	11.061	95	135957	46.520	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.040%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.179	85	86110	44.592	ug/l	94
3) Chloromethane	1.300	50	110935	43.710	ug/l	99
4) Vinyl Chloride	1.380	62	113742	45.783	ug/l	99
5) Bromomethane	1.617	94	76388	48.489	ug/l	99
6) Chloroethane	1.697	64	77337	46.575	ug/l	99
7) Trichlorofluoromethane	1.892	101	173647	47.074	ug/l	98
8) Diethyl Ether	2.136	74	70459	46.693	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	104663	48.524	ug/l	99
10) Methyl Iodide	2.453	142	155450	46.210	ug/l	99
11) Tert butyl alcohol	2.940	59	84722	256.271	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104302	47.076	ug/l	98
13) Acrolein	2.233	56	77645	254.867	ug/l	99
14) Allyl chloride	2.666	41	213704	46.742	ug/l	99
15) Acrylonitrile	3.056	53	310505	253.567	ug/l	99
16) Acetone	2.373	43	316217	245.006	ug/l	97
17) Carbon Disulfide	2.514	76	272741	44.966	ug/l	97
18) Methyl Acetate	2.697	43	158480	55.175	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	392574	48.538	ug/l	100
20) Methylene Chloride	2.788	84	125669	46.000	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	111418	46.709	ug/l	99
22) Diisopropyl ether	3.745	45	426854	48.174	ug/l #	83
23) Vinyl Acetate	3.709	43	1741267	245.539	ug/l	99
24) 1,1-Dichloroethane	3.599	63	226249	48.041	ug/l	99
25) 2-Butanone	4.532	43	408273	253.598	ug/l	97
26) 2,2-Dichloropropane	4.458	77	193760	49.494	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	142635	48.826	ug/l	99
28) Bromochloromethane	4.879	49	95782	46.586	ug/l	99
29) Tetrahydrofuran	4.983	42	245392	253.375	ug/l	99
30) Chloroform	5.074	83	231954	48.739	ug/l	99
31) Cyclohexane	5.458	56	180430	45.999	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	197711	48.978	ug/l	100
36) 1,1-Dichloropropene	5.678	75	151745	46.663	ug/l	99
37) Ethyl Acetate	4.690	43	171454	49.241	ug/l	98
38) Carbon Tetrachloride	5.659	117	165834	46.935	ug/l	95
39) Methylcyclohexane	7.360	83	179392	48.597	ug/l	98
40) Benzene	6.019	78	467748	47.357	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047592.D
 Acq On : 16 Sep 2025 13:35
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091625

Quant Time: Sep 17 06:47:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	90758	50.490	ug/l	98
42) 1,2-Dichloroethane	6.068	62	176131	46.867	ug/l	100
43) Isopropyl Acetate	6.318	43	280595	49.136	ug/l	100
44) Trichloroethene	7.104	130	114708	48.037	ug/l	98
45) 1,2-Dichloropropane	7.409	63	121532	48.053	ug/l	98
46) Dibromomethane	7.562	93	88297	47.976	ug/l	98
47) Bromodichloromethane	7.799	83	185219	48.769	ug/l	96
48) Methyl methacrylate	7.671	41	141532	49.757	ug/l	99
49) 1,4-Dioxane	7.641	88	31320	1089.520	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	809759	255.752	ug/l	100
52) Toluene	8.702	92	292879	48.130	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	191863	49.527	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	203954	49.257	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	112094	47.772	ug/l	98
56) Ethyl methacrylate	9.098	69	189741	51.490	ug/l	99
57) 1,3-Dichloropropane	9.293	76	197079	48.894	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	394205	225.562	ug/l	99
59) 2-Hexanone	9.415	43	575599	253.126	ug/l	99
60) Dibromochloromethane	9.506	129	134704	49.824	ug/l	99
61) 1,2-Dibromoethane	9.592	107	117817	49.297	ug/l	99
64) Tetrachloroethene	9.256	164	90881	48.296	ug/l	98
65) Chlorobenzene	10.061	112	318372	48.549	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	110416	48.794	ug/l	98
67) Ethyl Benzene	10.177	91	563634	49.813	ug/l	99
68) m/p-Xylenes	10.287	106	416757	98.956	ug/l	99
69) o-Xylene	10.622	106	204323	50.159	ug/l	99
70) Styrene	10.640	104	353567	49.536	ug/l	99
71) Bromoform	10.780	173	86524	51.207	ug/l #	98
73) Isopropylbenzene	10.945	105	523826	49.479	ug/l	100
74) N-amyl acetate	10.823	43	243198	50.375	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	159676	49.851	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	149779m	53.124	ug/l	
77) Bromobenzene	11.183	156	125610	48.173	ug/l	98
78) n-propylbenzene	11.286	91	616928	49.295	ug/l	99
79) 2-Chlorotoluene	11.347	91	376486	49.117	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	435375	50.055	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	55880	50.543	ug/l	99
82) 4-Chlorotoluene	11.433	91	445075	49.164	ug/l	100
83) tert-Butylbenzene	11.695	119	442341	49.679	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	440134	49.911	ug/l	99
85) sec-Butylbenzene	11.872	105	529869	50.100	ug/l	100
86) p-Isopropyltoluene	11.994	119	446441	49.861	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	237383	49.014	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	243618	49.011	ug/l	99
89) n-Butylbenzene	12.317	91	420478	50.752	ug/l	100
90) Hexachloroethane	12.518	117	79751	50.732	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	227493	49.304	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33020	50.918	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	153333	51.133	ug/l	100
94) Hexachlorobutadiene	13.707	225	53099	52.131	ug/l	99
95) Naphthalene	13.756	128	464206	50.836	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	142413	51.054	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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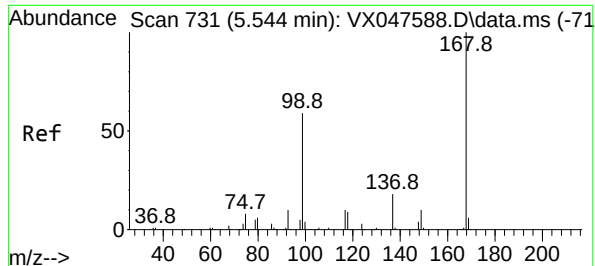
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025





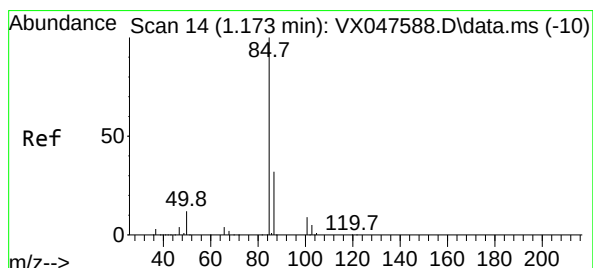
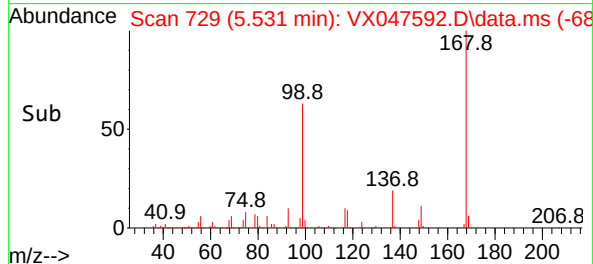
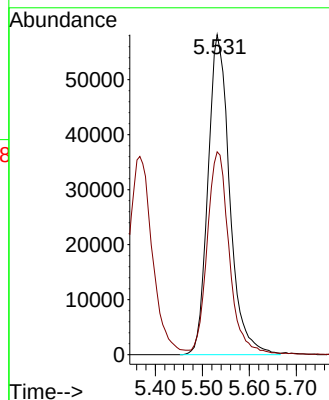
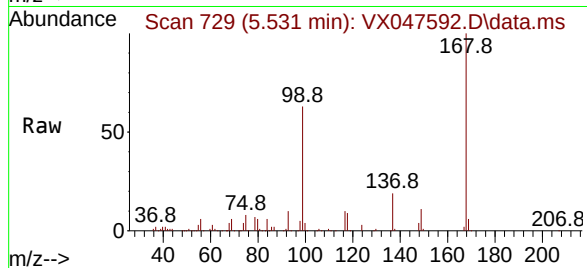
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.013 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:168 Resp: 186484
Ion Ratio Lower Upper
168 100
99 62.9 48.8 73.2

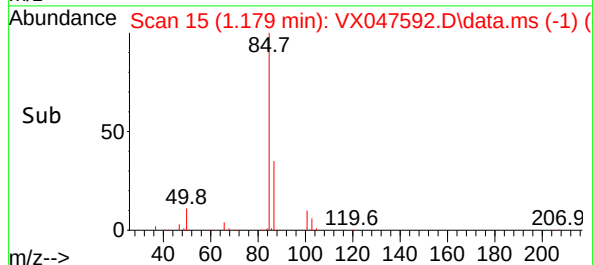
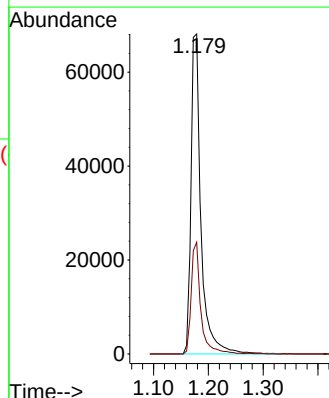
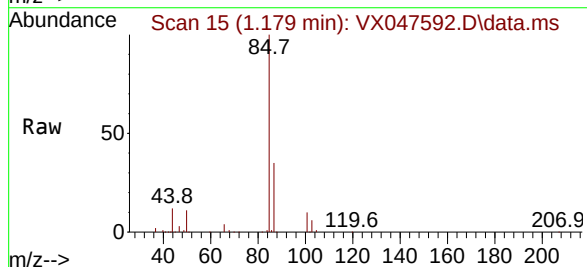
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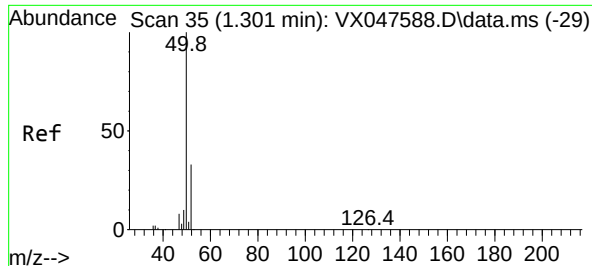
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#2
Dichlorodifluoromethane
Concen: 44.592 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 85 Resp: 86110
Ion Ratio Lower Upper
85 100
87 34.9 15.8 47.3





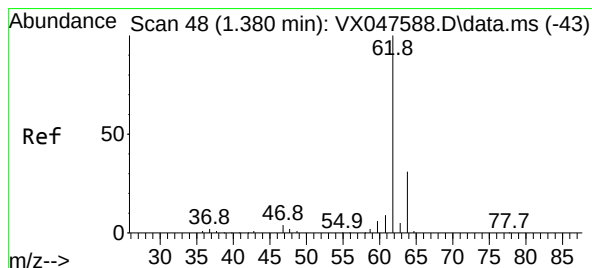
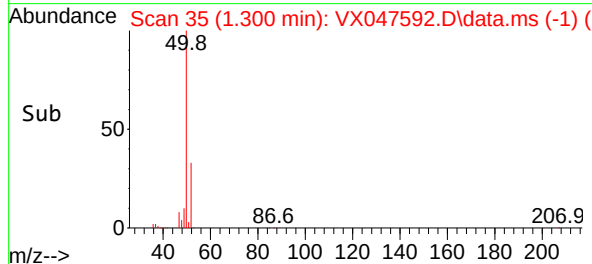
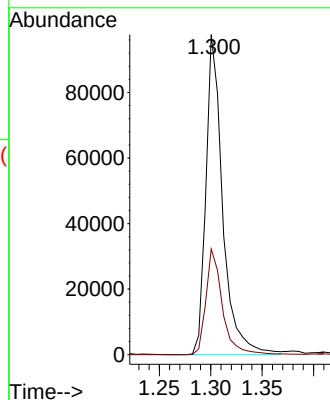
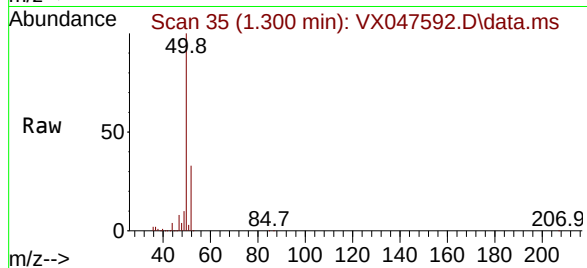
#3
Chloromethane
Concen: 43.710 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 50 Resp: 110935
Ion Ratio Lower Upper
50 100
52 33.0 26.1 39.1

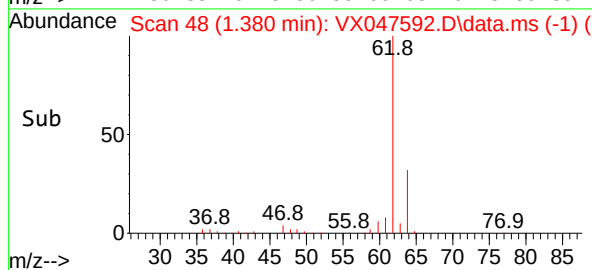
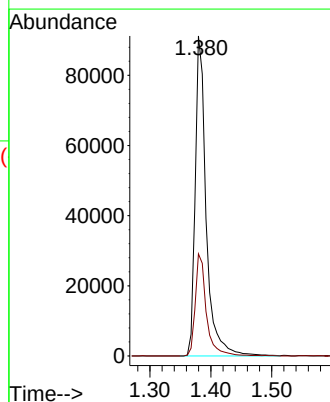
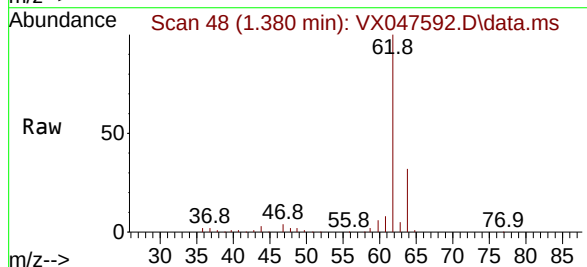
Manual Integrations
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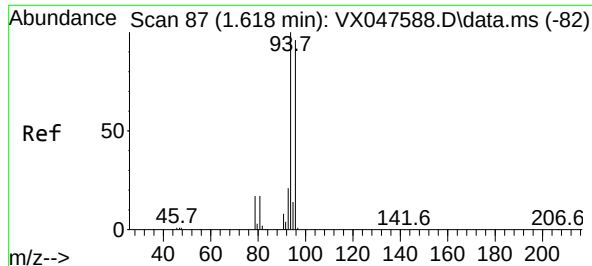
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#4
Vinyl Chloride
Concen: 45.783 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

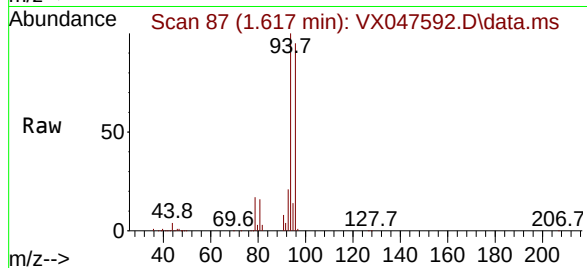
Tgt Ion: 62 Resp: 113742
Ion Ratio Lower Upper
62 100
64 31.9 24.9 37.3





#5
Bromomethane
Concen: 48.489 ug/l
RT: 1.617 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

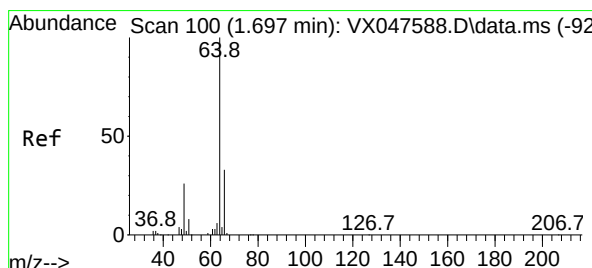
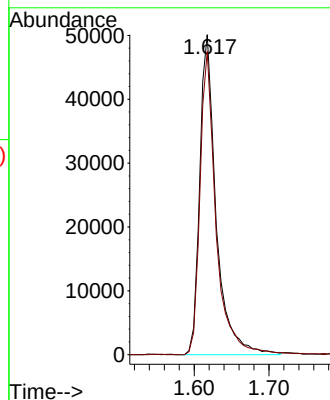
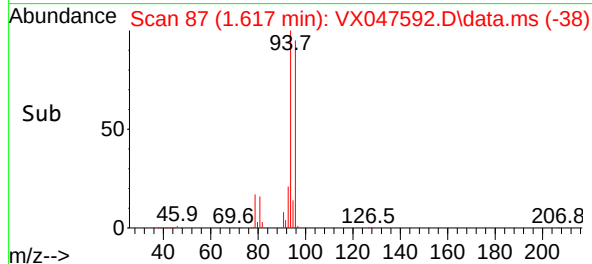
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625



Tgt Ion: 94 Resp: 7638
Ion Ratio Lower Upper
94 100
96 94.7 76.6 115.0

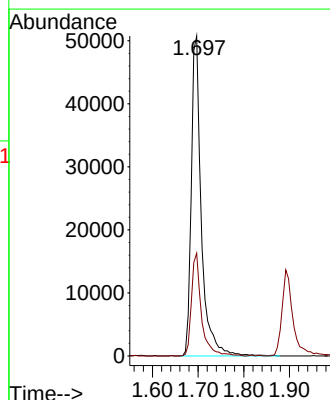
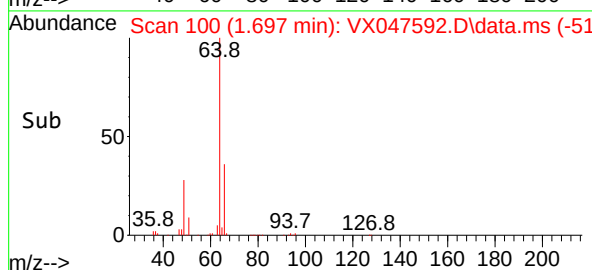
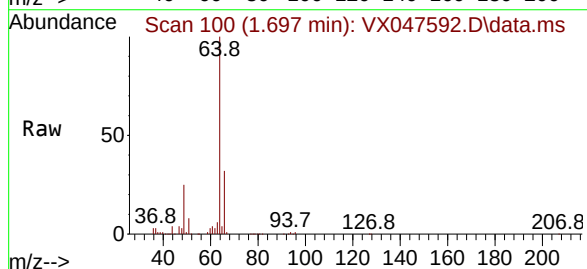
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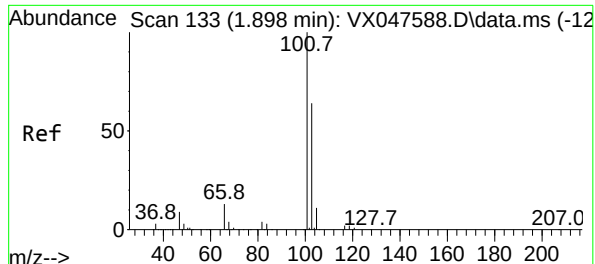
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#6
Chloroethane
Concen: 46.575 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

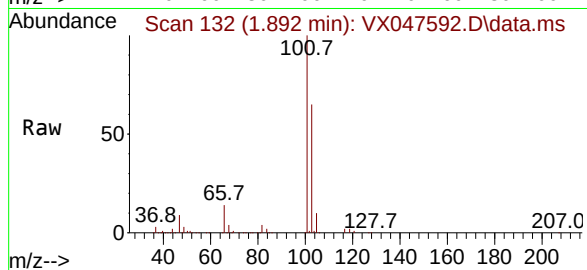
Tgt Ion: 64 Resp: 77337
Ion Ratio Lower Upper
64 100
66 32.1 26.1 39.1





#7
Trichlorofluoromethane
Concen: 47.074 ug/l
RT: 1.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

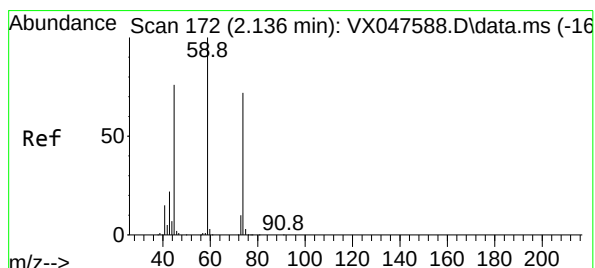
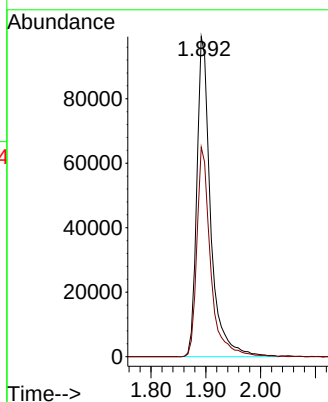
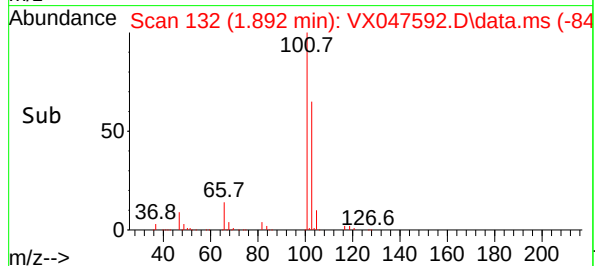
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625



Tgt Ion:101 Resp: 17364
Ion Ratio Lower Upper
101 100
103 65.5 51.4 77.2

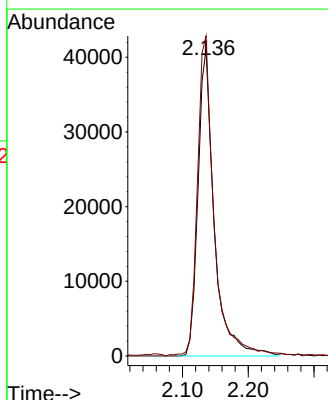
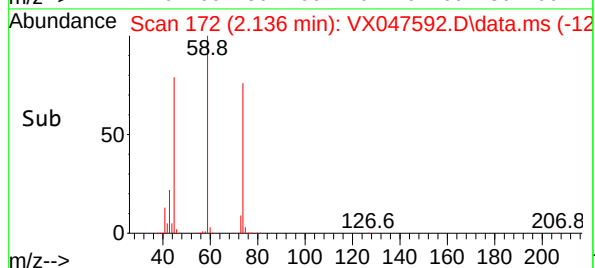
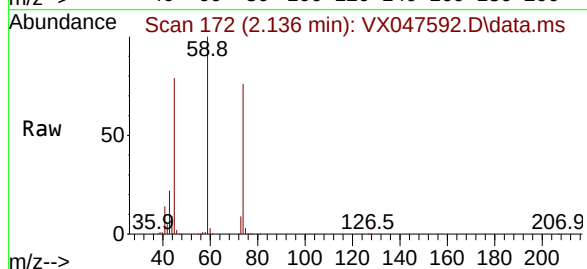
Manual Integrations
APPROVED

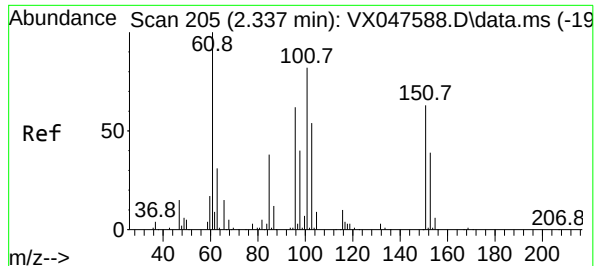
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#8
Diethyl Ether
Concen: 46.693 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 74 Resp: 70459
Ion Ratio Lower Upper
74 100
45 107.1 52.3 156.8





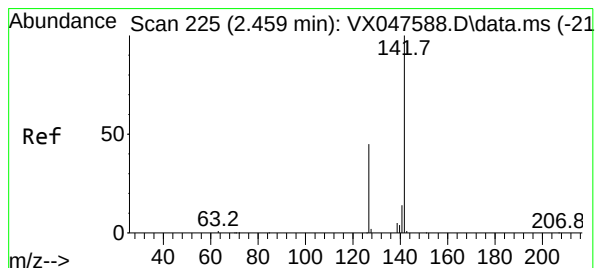
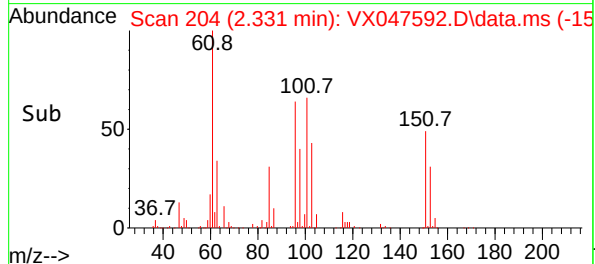
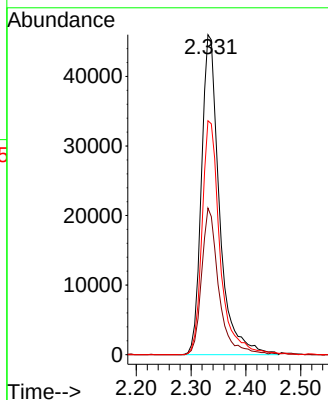
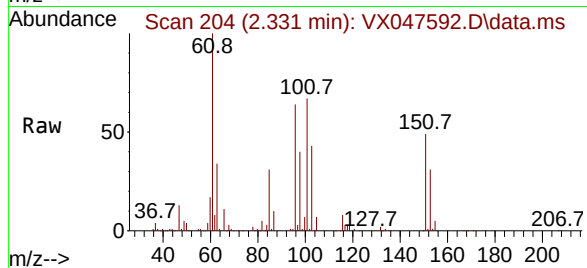
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.524 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:101 Resp: 10466
Ion Ratio Lower Upper
101 100
85 44.1 35.5 53.3
151 73.3 59.4 89.0

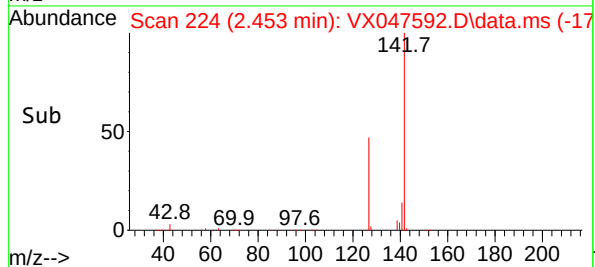
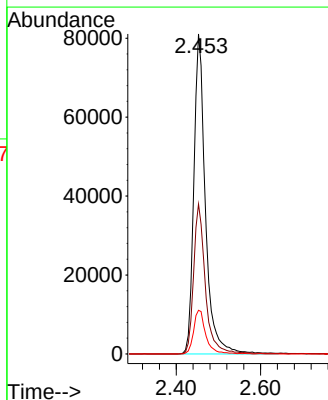
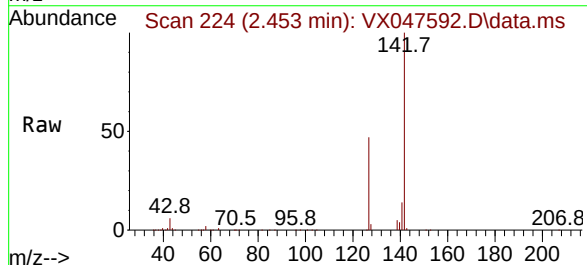
Manual Integrations
APPROVED

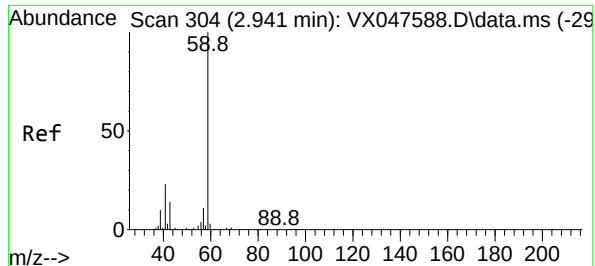
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#10
Methyl Iodide
Concen: 46.210 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:142 Resp: 155450
Ion Ratio Lower Upper
142 100
127 47.6 37.2 55.8
141 14.4 11.4 17.0





#11

Tert butyl alcohol

Concen: 256.271 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVX091625

Tgt Ion: 59 Resp: 8472

Ion Ratio Lower Upper

59 100

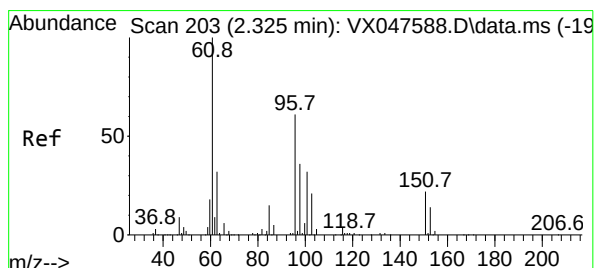
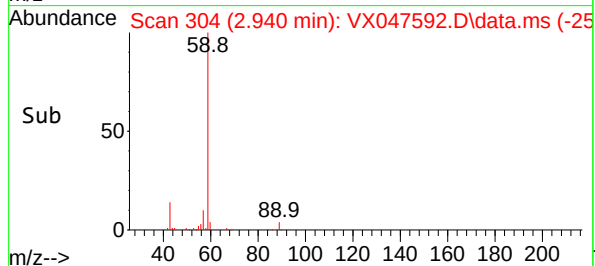
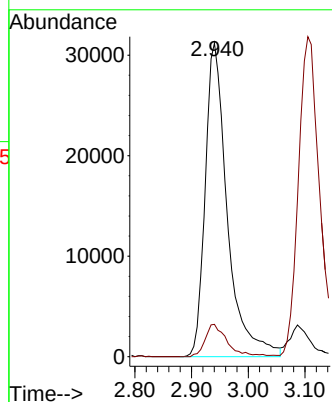
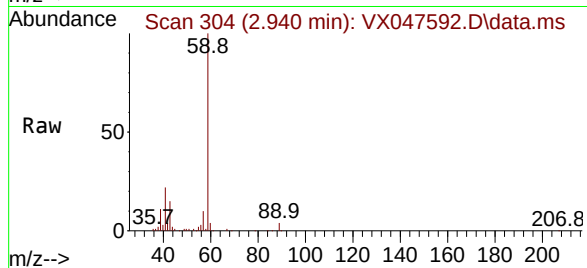
57 10.3 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#12

1,1-Dichloroethene

Concen: 47.076 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

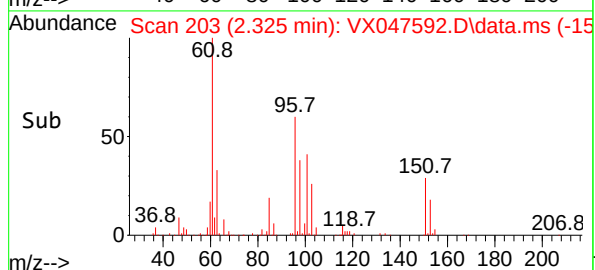
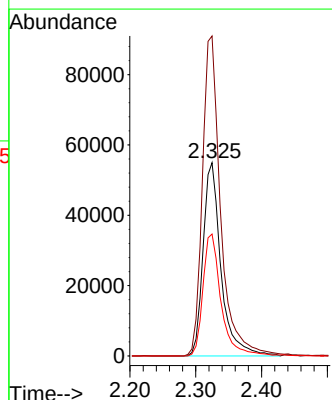
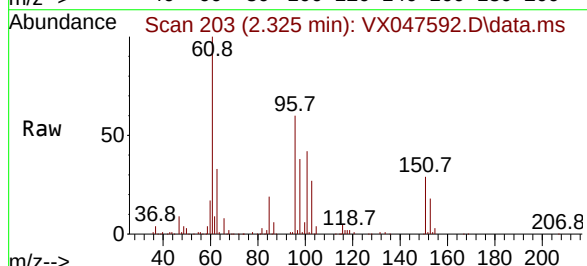
Tgt Ion: 96 Resp: 104302

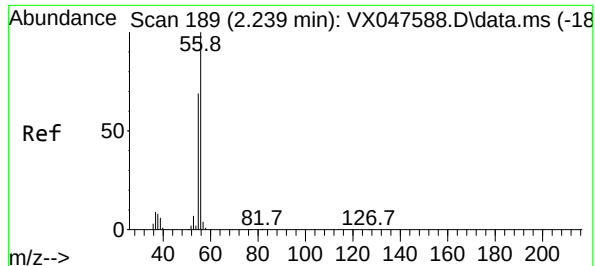
Ion Ratio Lower Upper

96 100

61 165.6 131.0 196.6

98 63.1 47.7 71.5





#13

Acrolein

Concen: 254.867 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

Tgt Ion: 56 Resp: 7764

Ion Ratio Lower Upper

56 100

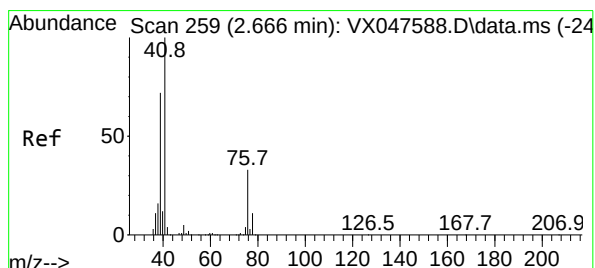
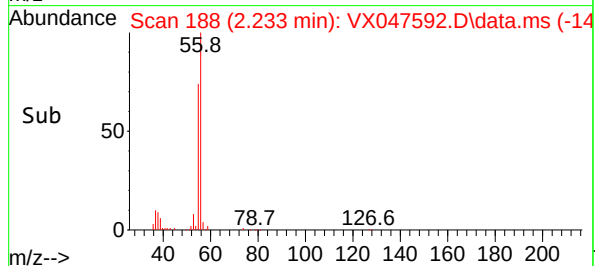
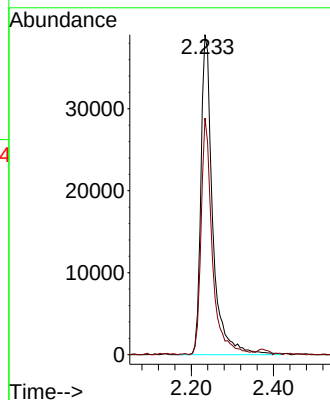
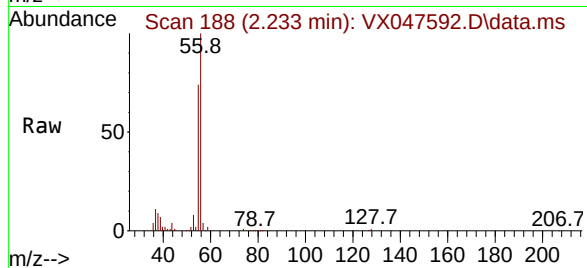
55 70.3 57.2 85.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#14

Allyl chloride

Concen: 46.742 ug/l

RT: 2.666 min Scan# 259

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

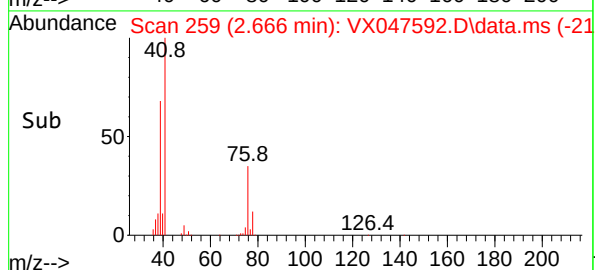
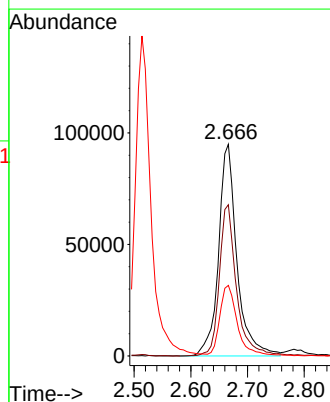
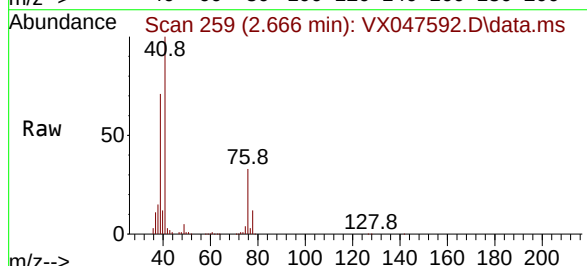
Tgt Ion: 41 Resp: 213704

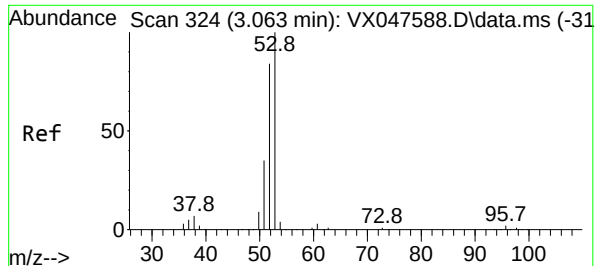
Ion Ratio Lower Upper

41 100

39 67.2 54.7 82.1

76 31.7 25.7 38.5





#15

Acrylonitrile

Concen: 253.567 ug/l

RT: 3.056 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

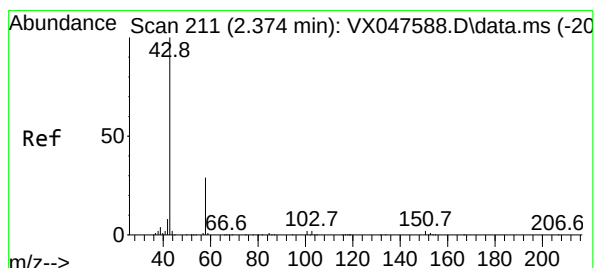
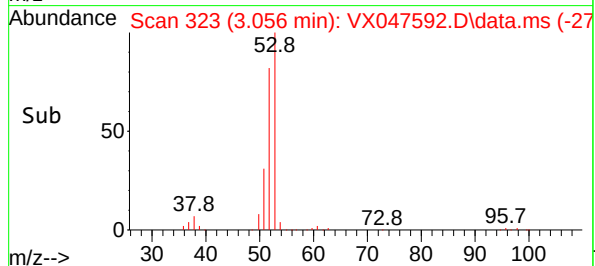
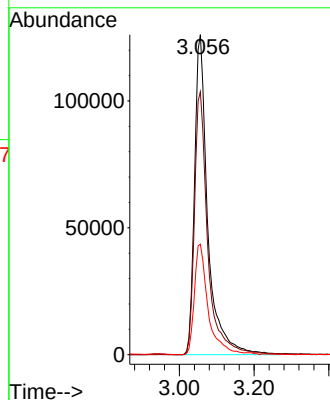
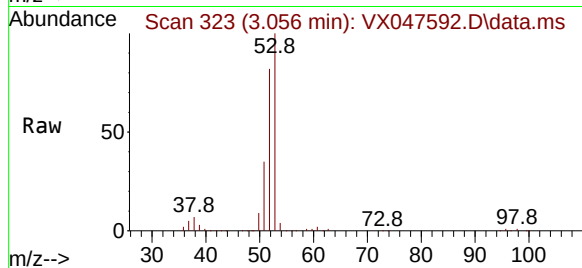
ICVVX091625

Tgt Ion:	53	Resp:	31050
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.2	29.5	44.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#16

Acetone

Concen: 245.006 ug/l

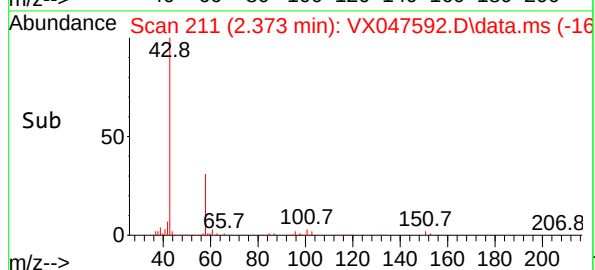
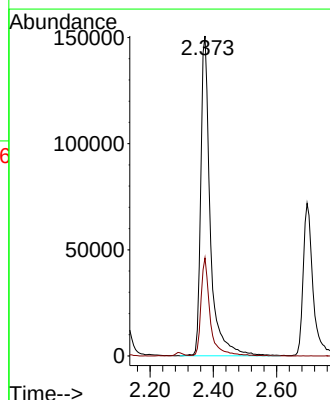
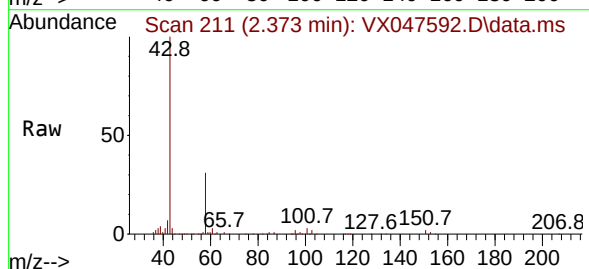
RT: 2.373 min Scan# 211

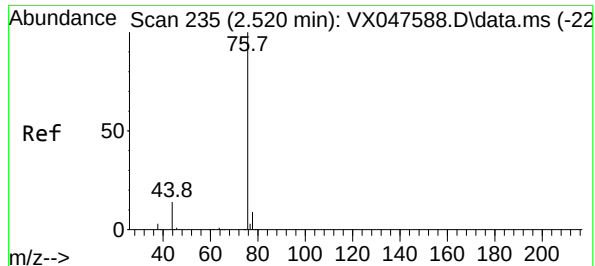
Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Tgt Ion:	43	Resp:	316217
Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.4	35.0





#17

Carbon Disulfide

Concen: 44.966 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

Tgt Ion: 76 Resp: 27274

Ion Ratio Lower Upper

76 100

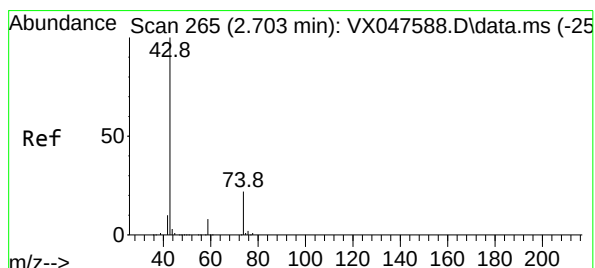
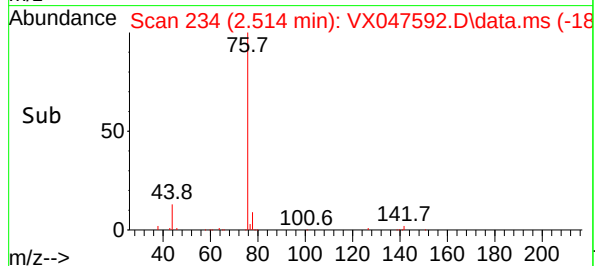
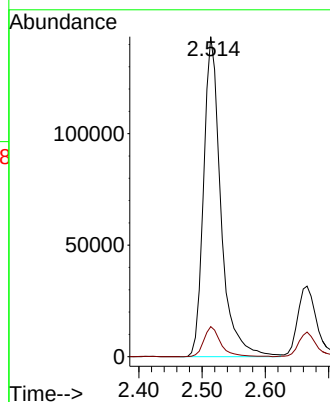
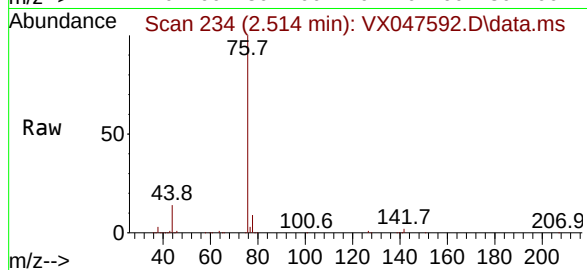
78 9.6 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#18

Methyl Acetate

Concen: 55.175 ug/l

RT: 2.697 min Scan# 264

Delta R.T. -0.006 min

Lab File: VX047592.D

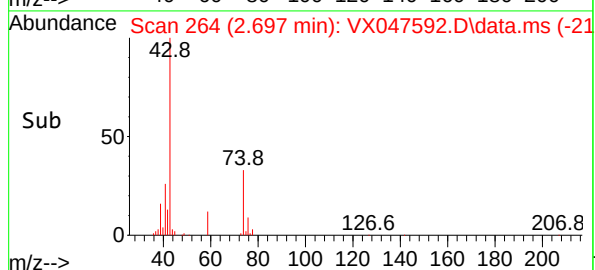
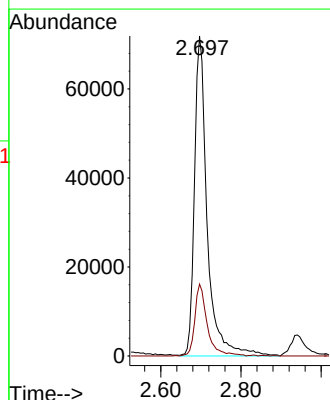
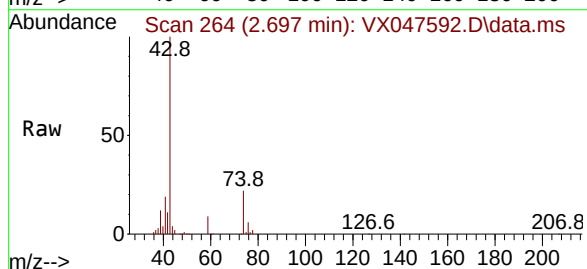
Acq: 16 Sep 2025 13:35

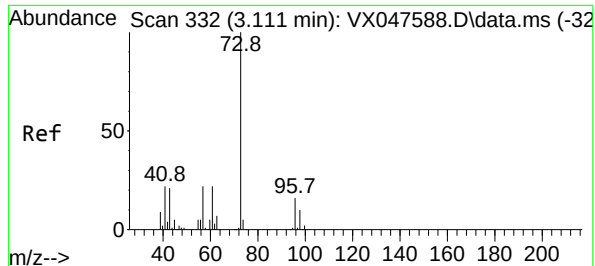
Tgt Ion: 43 Resp: 158480

Ion Ratio Lower Upper

43 100

74 21.8 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 48.538 ug/l

RT: 3.105 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

Tgt Ion: 73 Resp: 392574

Ion Ratio Lower Upper

73 100

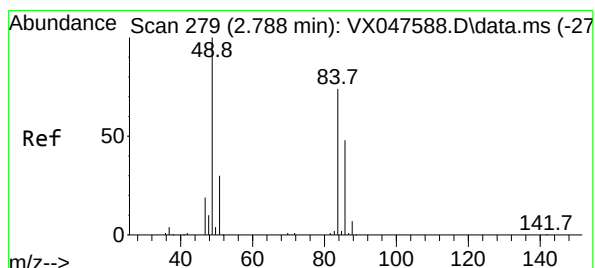
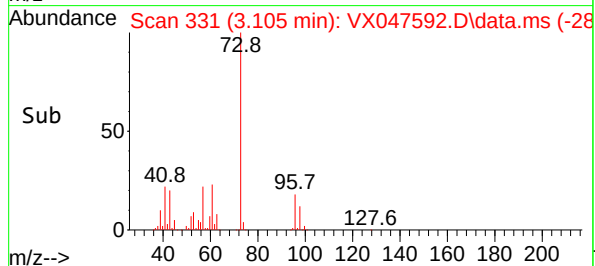
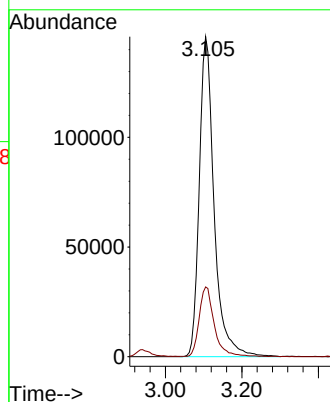
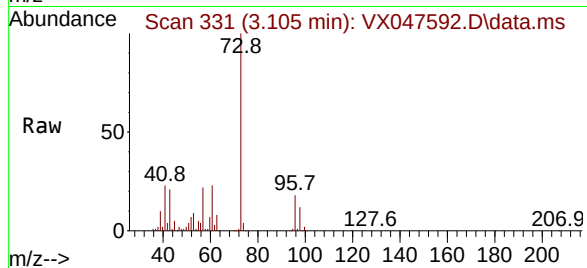
57 21.7 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#20

Methylene Chloride

Concen: 46.000 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Tgt Ion: 84 Resp: 125669

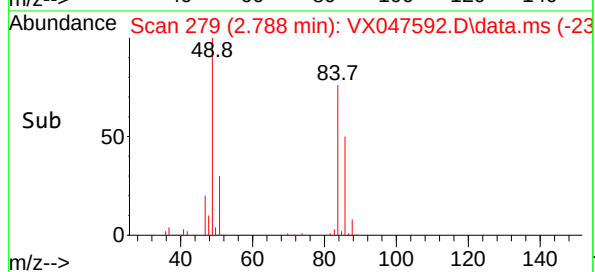
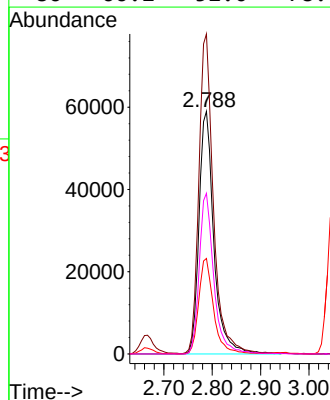
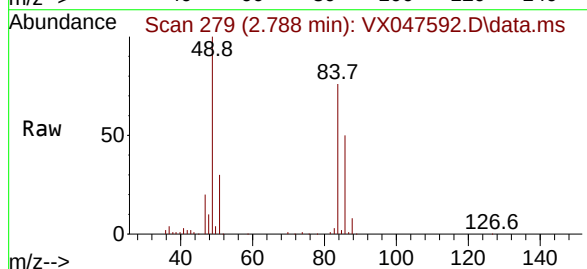
Ion Ratio Lower Upper

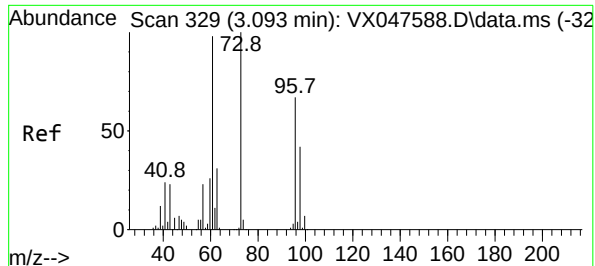
84 100

49 131.8 108.6 162.8

51 39.4 32.6 48.8

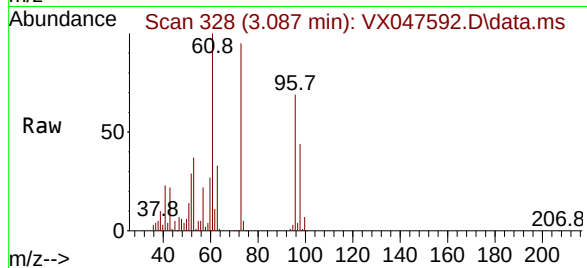
86 66.2 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 3.087 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

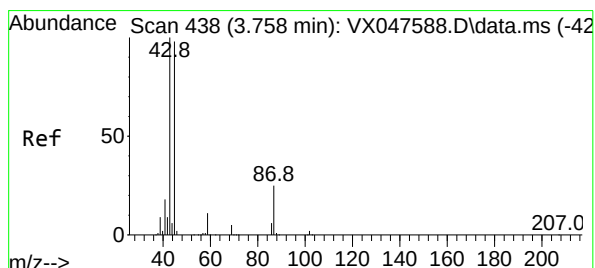
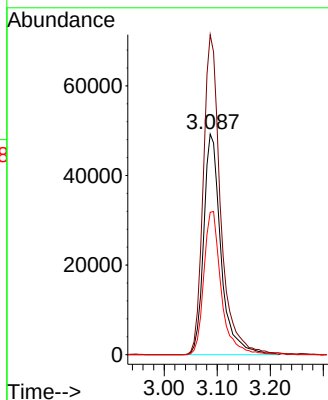
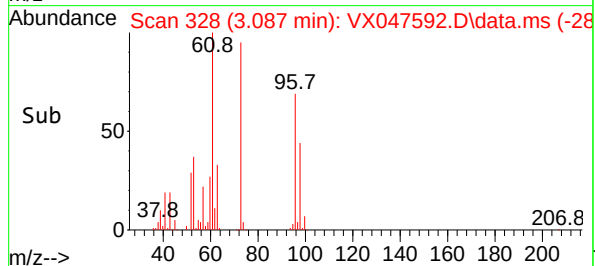
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625



Tgt Ion: 96 Resp: 111418
Ion Ratio Lower Upper
96 100
61 145.1 116.2 174.2
98 64.5 49.3 73.9

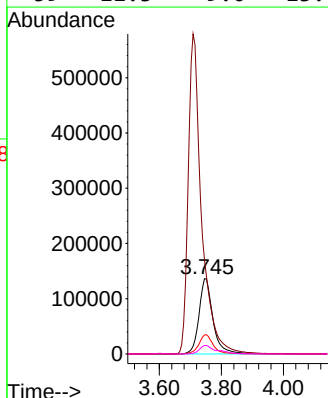
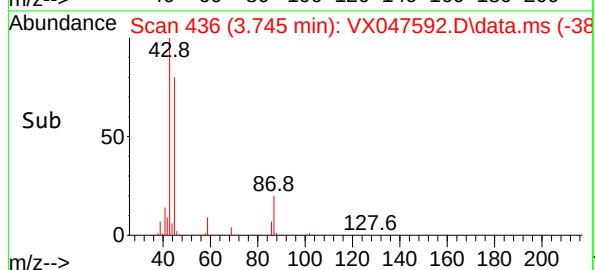
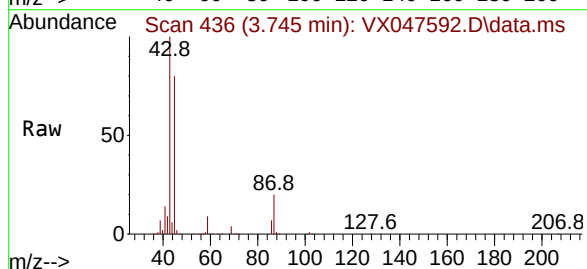
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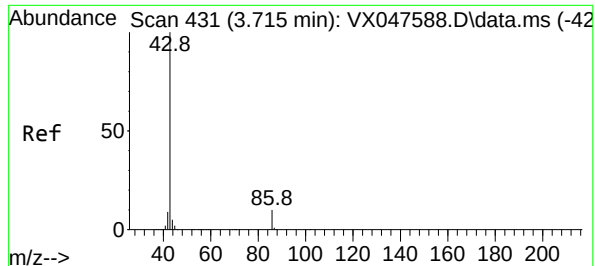
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#22
Diisopropyl ether
Concen: 48.174 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 45 Resp: 426854
Ion Ratio Lower Upper
45 100
43 124.9 81.0 121.4#
87 25.2 20.3 30.5
59 11.3 9.0 13.4





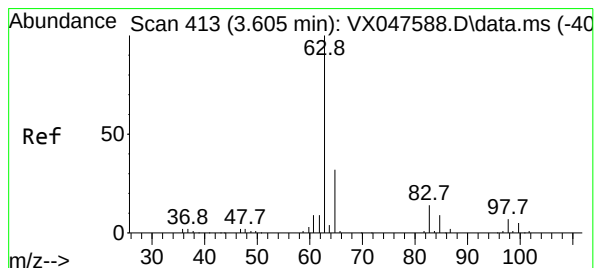
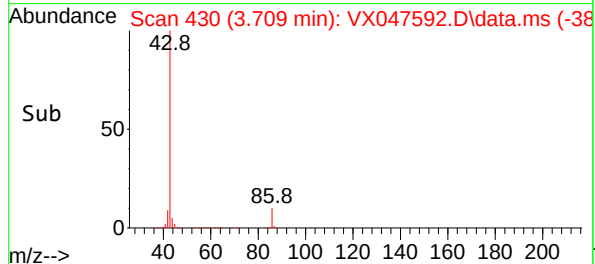
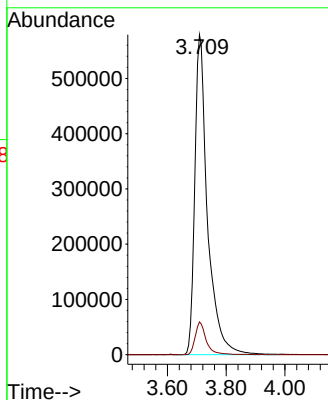
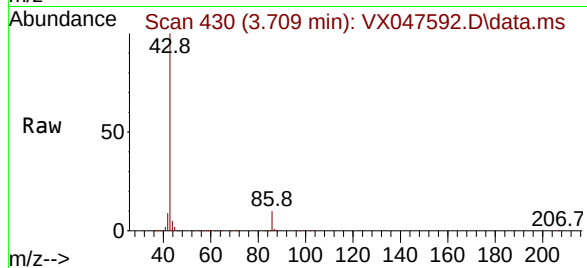
#23
Vinyl Acetate
Concen: 245.539 ug/l
RT: 3.709 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 174126
Ion Ratio Lower Upper
43 100
86 10.2 7.8 11.8

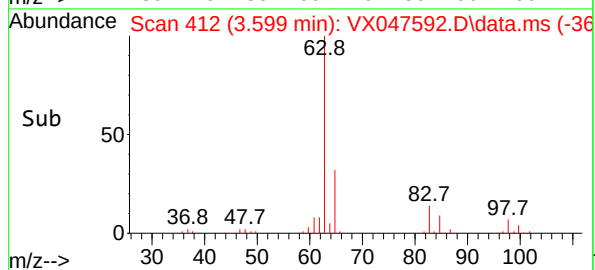
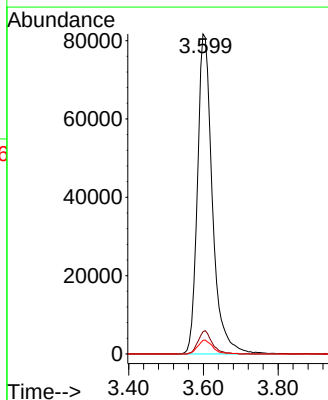
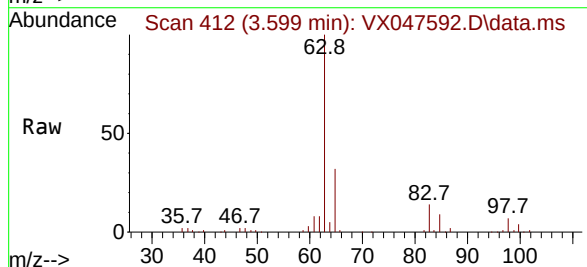
Manual Integrations
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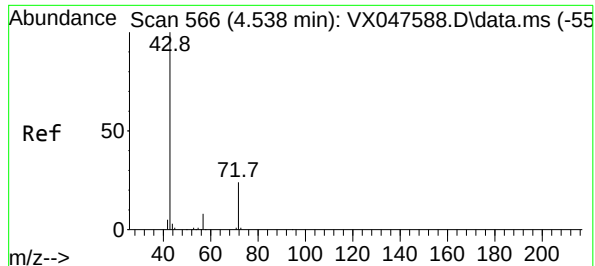
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#24
1,1-Dichloroethane
Concen: 48.041 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 226249
Ion Ratio Lower Upper
63 100
98 6.9 3.8 11.2
100 4.4 2.3 6.9





#25

2-Butanone

Concen: 253.598 ug/l

RT: 4.532 min Scan# 50

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

Tgt Ion: 43 Resp: 40827

Ion Ratio Lower Upper

43 100

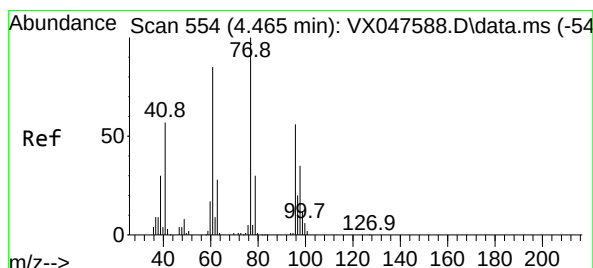
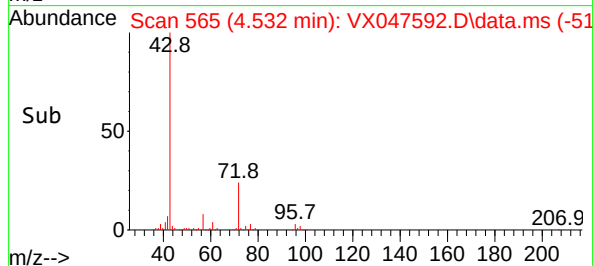
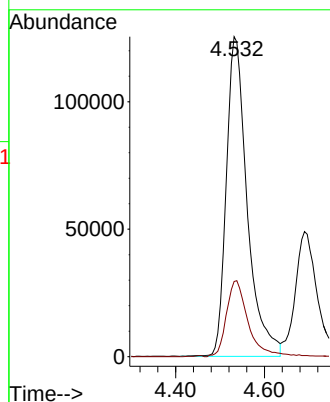
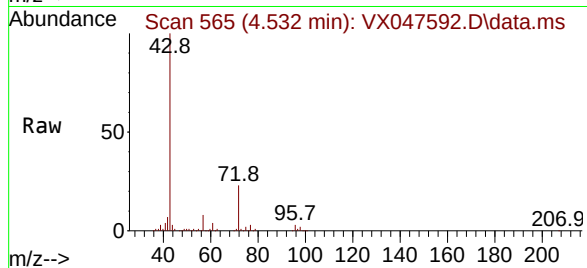
72 23.5 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#26

2,2-Dichloropropane

Concen: 49.494 ug/l

RT: 4.458 min Scan# 553

Delta R.T. -0.006 min

Lab File: VX047592.D

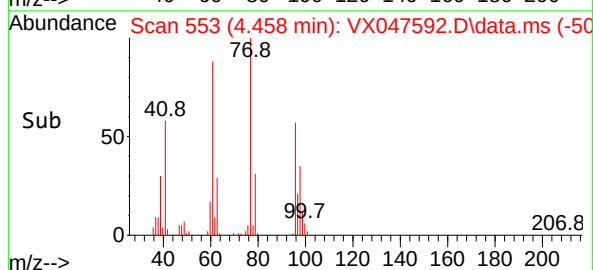
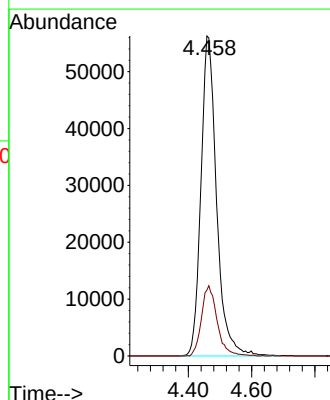
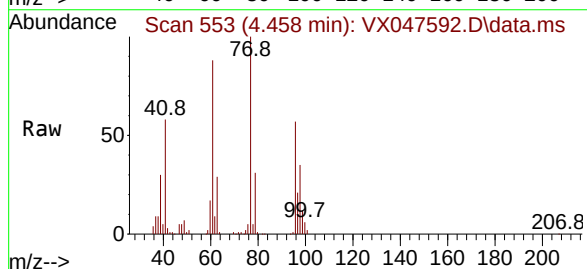
Acq: 16 Sep 2025 13:35

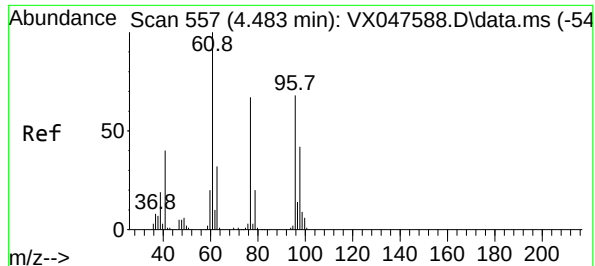
Tgt Ion: 77 Resp: 193760

Ion Ratio Lower Upper

77 100

97 22.0 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 48.826 ug/l

RT: 4.477 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

Tgt Ion: 96 Resp: 14263

Ion Ratio Lower Upper

96 100

61 149.7 0.0 303.2

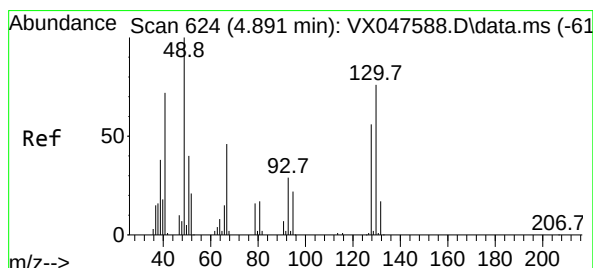
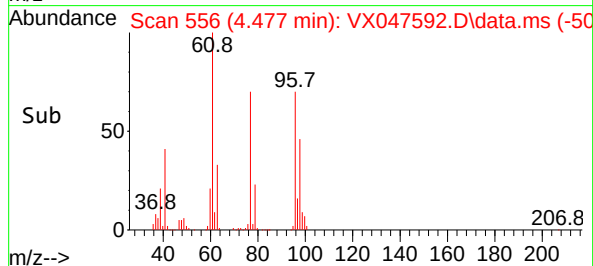
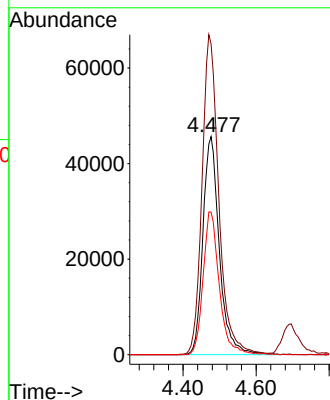
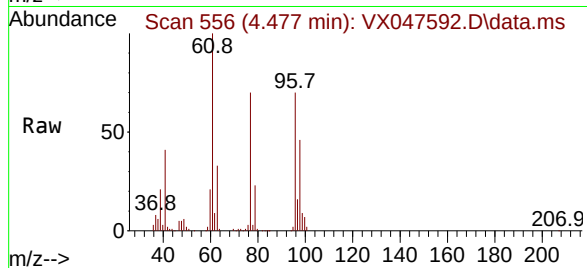
98 64.3 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#28

Bromochloromethane

Concen: 46.586 ug/l

RT: 4.879 min Scan# 622

Delta R.T. -0.012 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

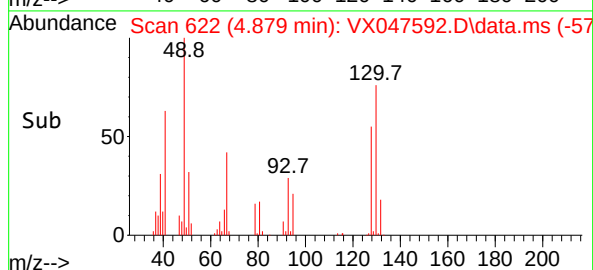
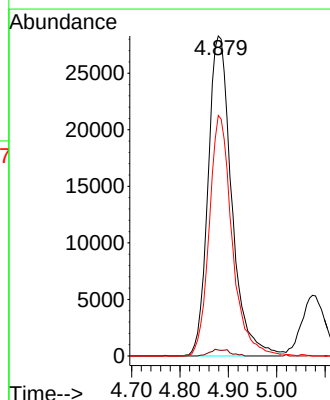
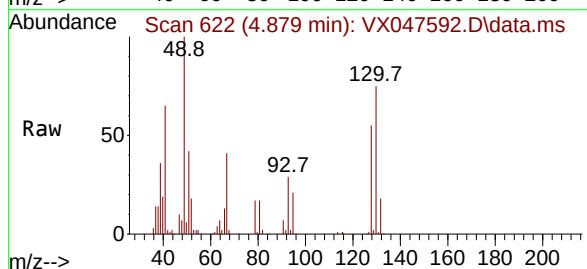
Tgt Ion: 49 Resp: 95782

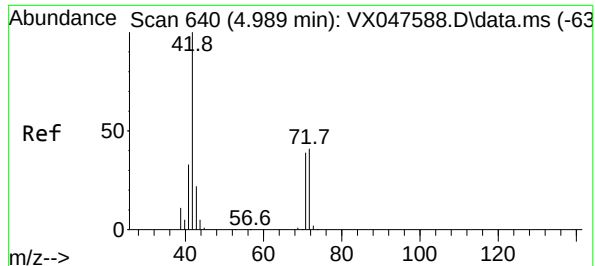
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.2

130 72.9 57.8 86.8





#29

Tetrahydrofuran

Concen: 253.375 ug/l

RT: 4.983 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

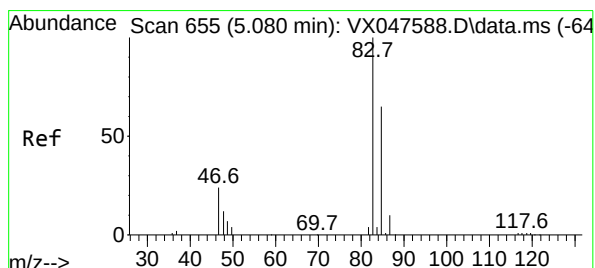
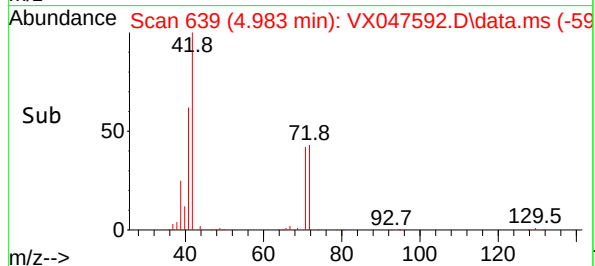
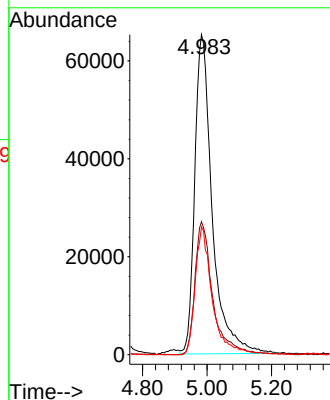
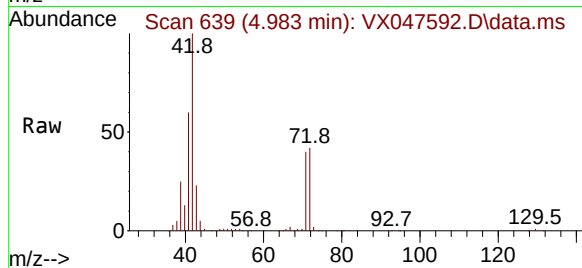
Tgt Ion:	42	Resp:	24539
Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	38.9	31.9	47.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#30

Chloroform

Concen: 48.739 ug/l

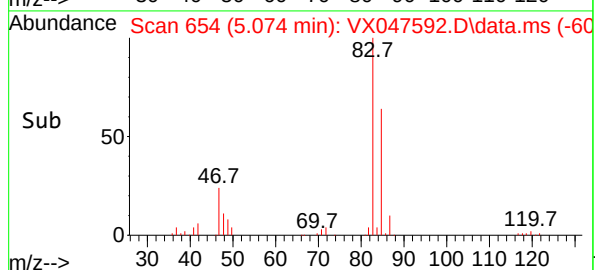
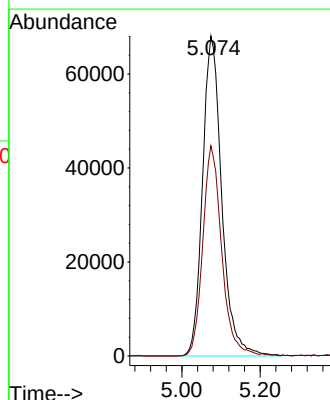
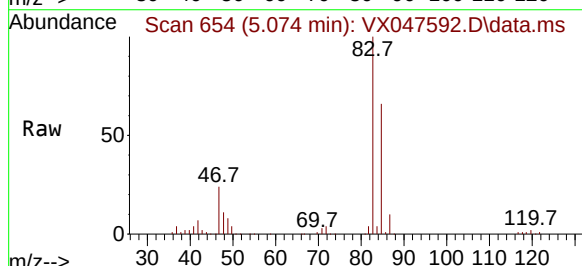
RT: 5.074 min Scan# 654

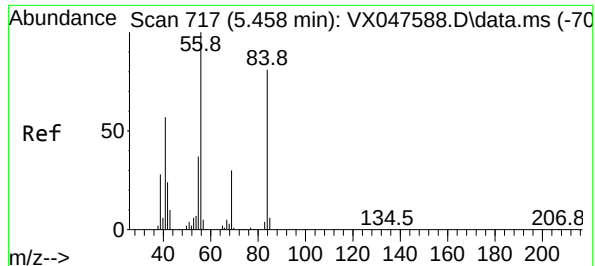
Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

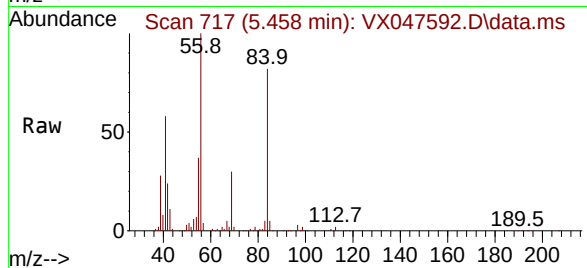
Tgt Ion:	83	Resp:	231954
Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.6





#31
Cyclohexane
Concen: 45.999 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

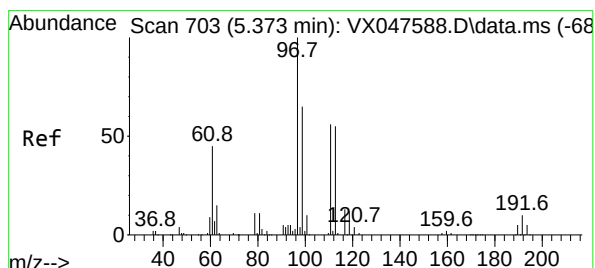
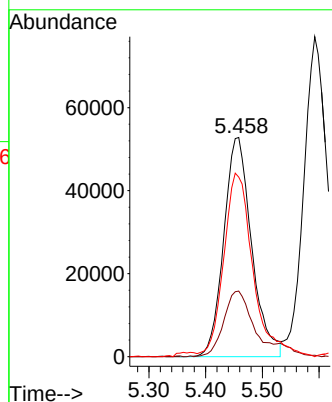
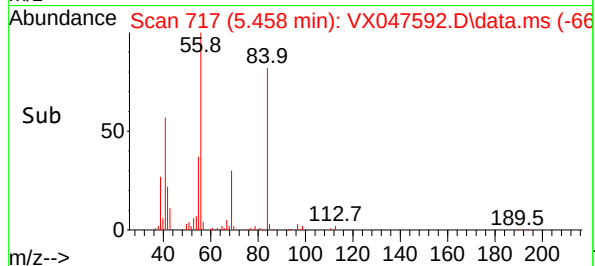
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625



Tgt Ion: 56 Resp: 180430
Ion Ratio Lower Upper
56 100
69 29.6 23.8 35.8
84 80.3 64.6 97.0

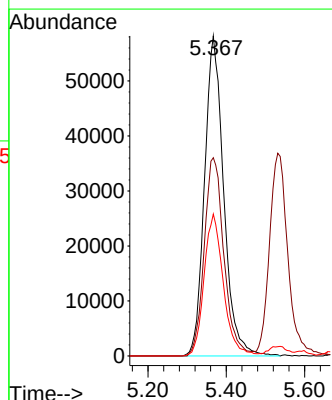
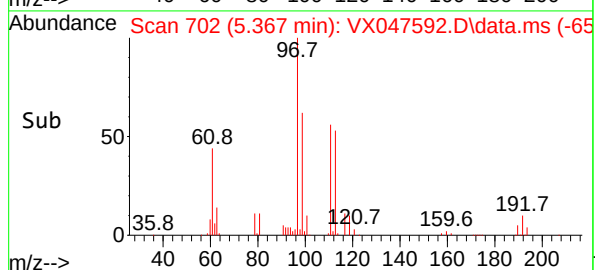
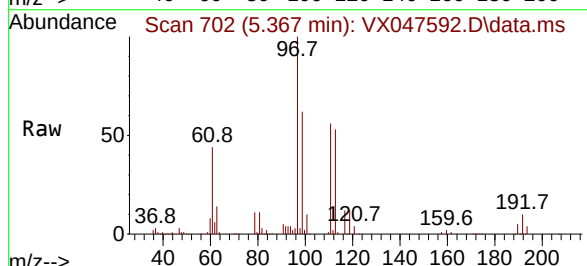
Manual Integrations
APPROVED

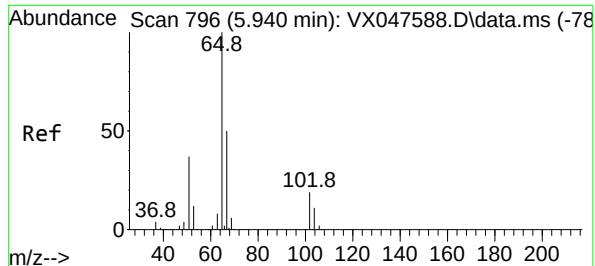
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#32
1,1,1-Trichloroethane
Concen: 48.978 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 97 Resp: 197711
Ion Ratio Lower Upper
97 100
99 63.5 50.6 76.0
61 44.6 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 45.550 ug/l

RT: 5.934 min Scan# 795

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

Tgt Ion: 65 Resp: 135209

Ion Ratio Lower Upper

65 100

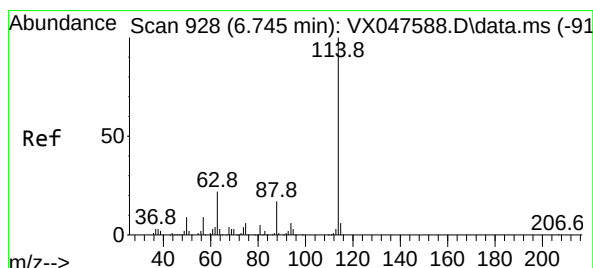
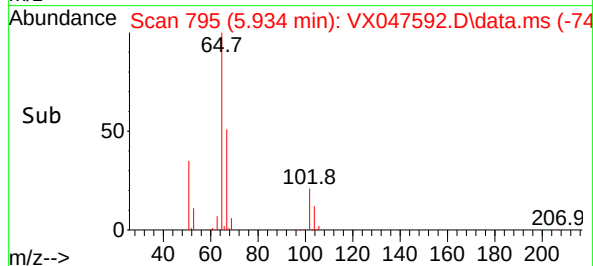
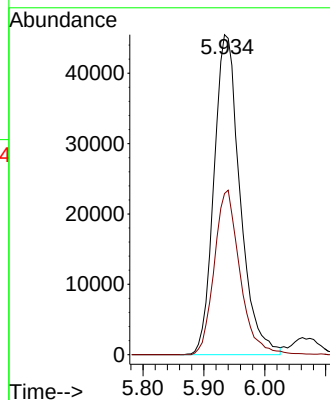
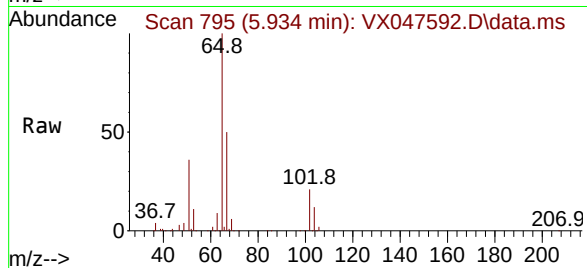
67 50.8 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

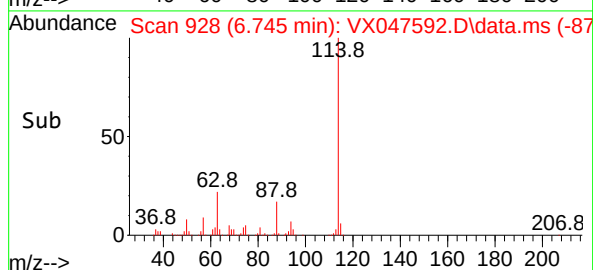
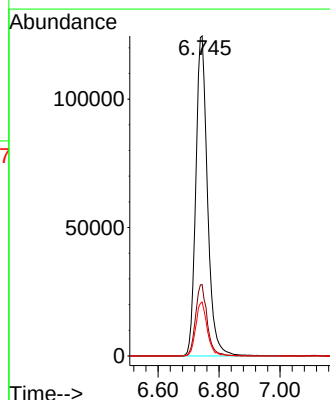
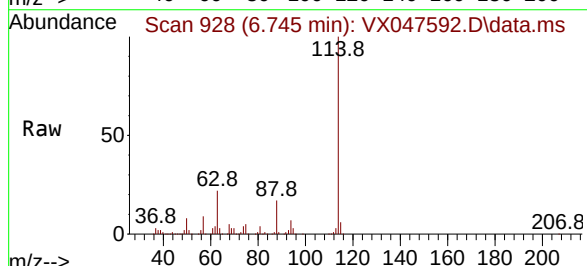
Tgt Ion:114 Resp: 331837

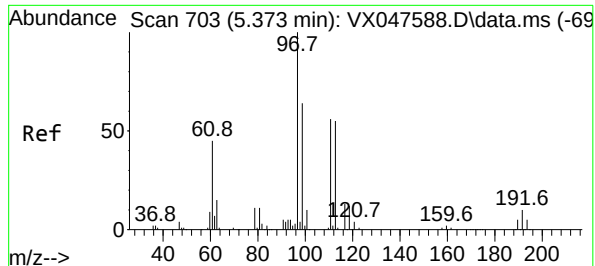
Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.0

88 16.8 0.0 34.2





#35

Dibromofluoromethane

Concen: 45.559 ug/l

RT: 5.367 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

Tgt Ion:113 Resp: 101390

Ion Ratio Lower Upper

113 100

111 103.2 80.9 121.3

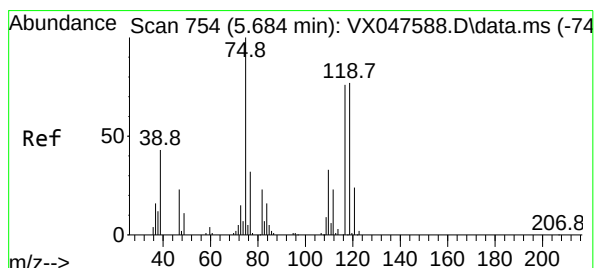
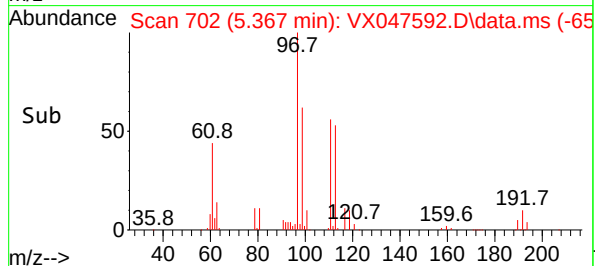
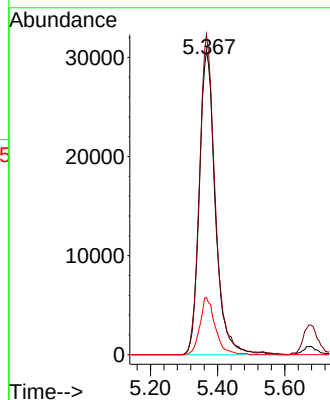
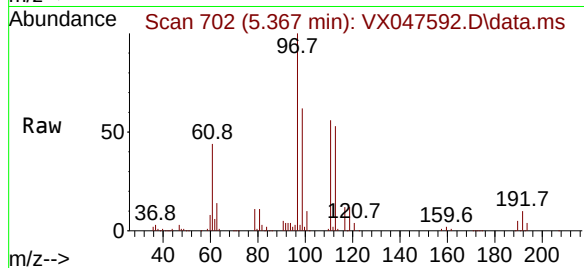
192 17.9 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#36

1,1-Dichloropropene

Concen: 46.663 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

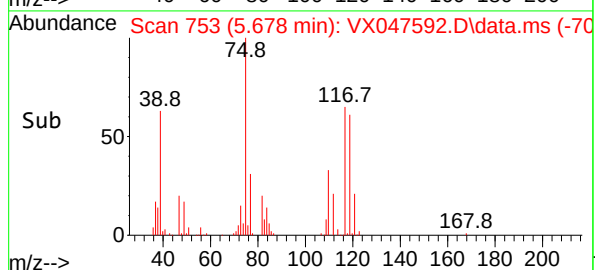
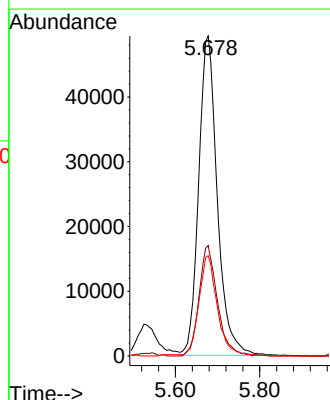
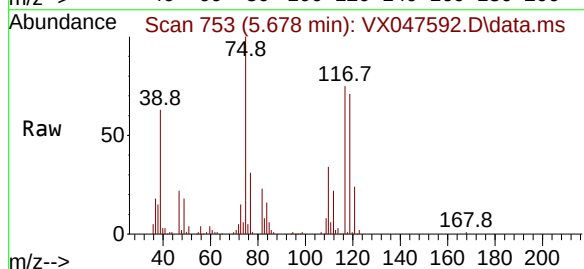
Tgt Ion: 75 Resp: 151745

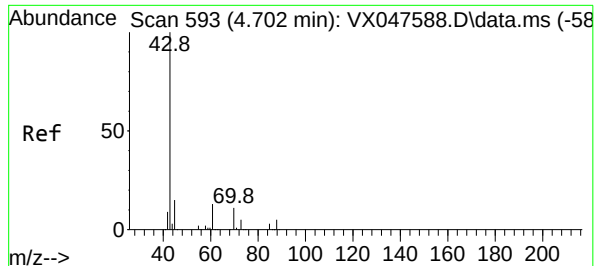
Ion Ratio Lower Upper

75 100

110 33.9 16.7 50.1

77 31.0 24.3 36.5





#37

Ethyl Acetate

Concen: 49.241 ug/l

RT: 4.690 min Scan# 593

Delta R.T. -0.012 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

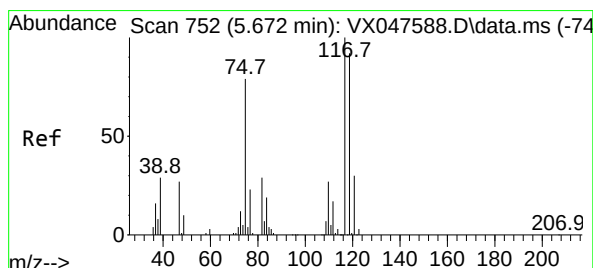
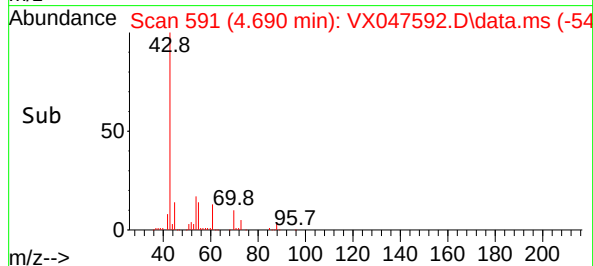
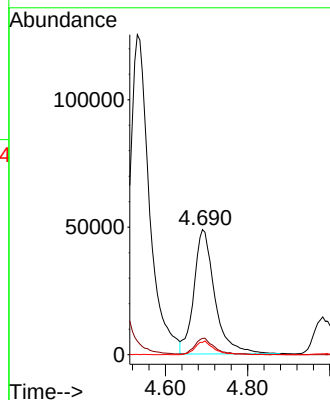
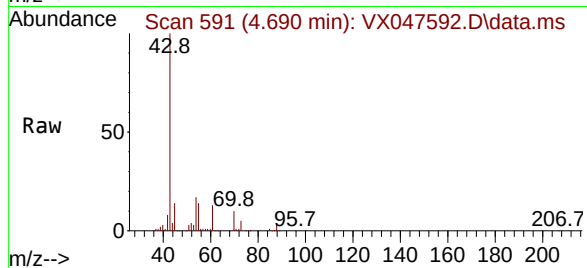
ICVVX091625

Tgt Ion:	43	Resp:	171454
Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	9.8	7.9	11.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#38

Carbon Tetrachloride

Concen: 46.935 ug/l

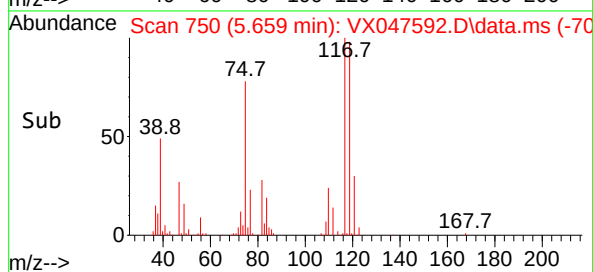
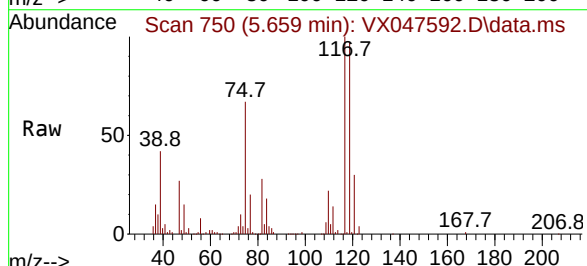
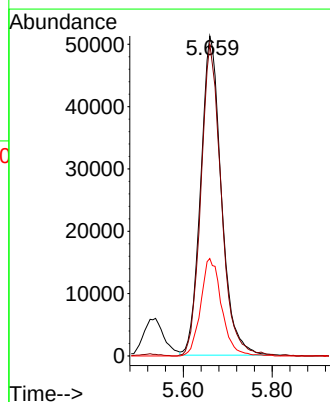
RT: 5.659 min Scan# 750

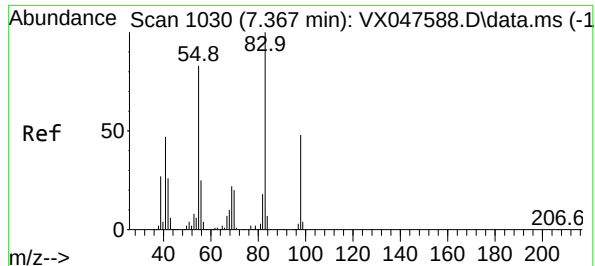
Delta R.T. -0.012 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Tgt Ion:	117	Resp:	165834
Ion	Ratio	Lower	Upper
117	100		
119	97.6	73.4	110.2
121	30.5	23.8	35.6





#39

Methylcyclohexane

Concen: 48.597 ug/l

RT: 7.360 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

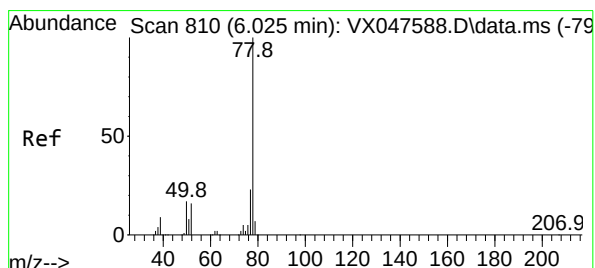
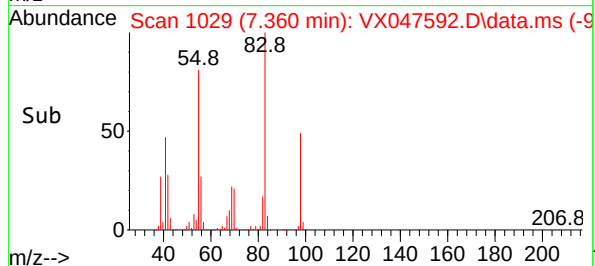
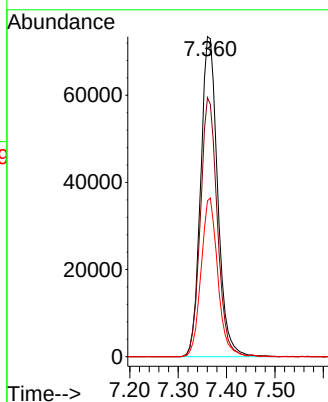
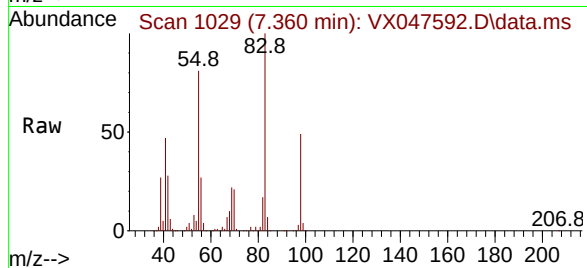
ICVVX091625

Tgt Ion:	83	Resp:	17939
Ion	Ratio	Lower	Upper
83	100		
55	81.0	66.4	99.6
98	48.7	38.1	57.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#40

Benzene

Concen: 47.357 ug/l

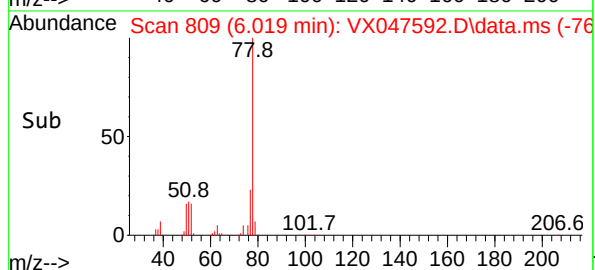
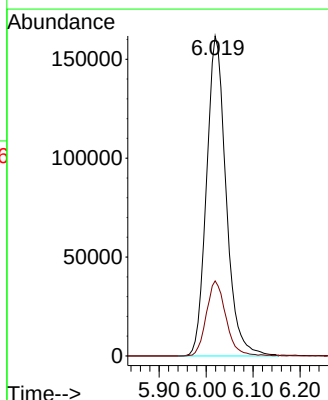
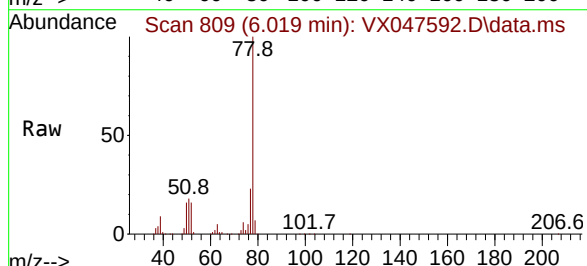
RT: 6.019 min Scan# 809

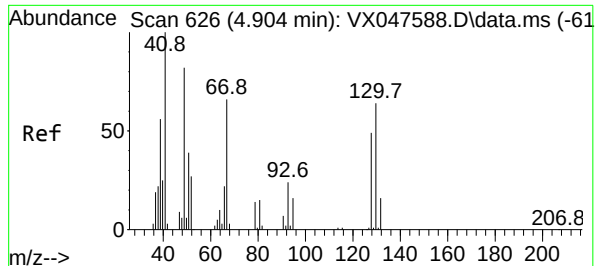
Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

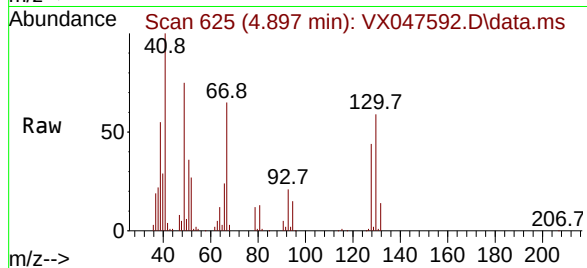
Tgt Ion:	78	Resp:	467748
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





#41
Methacrylonitrile
Concen: 50.490 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

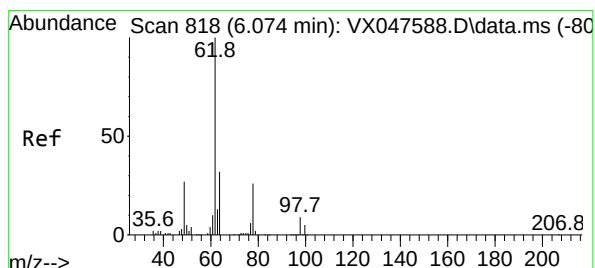
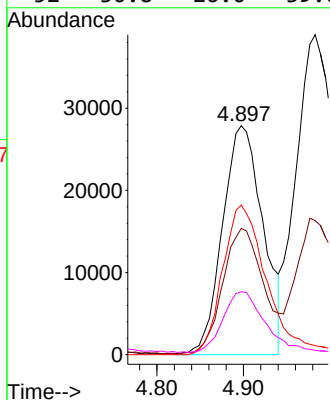
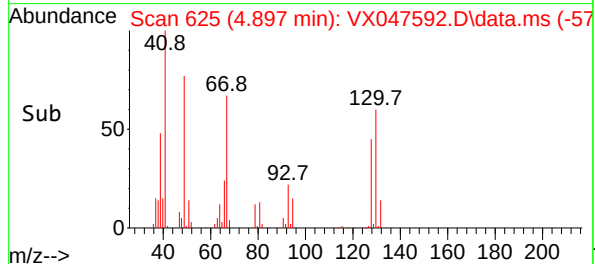
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625



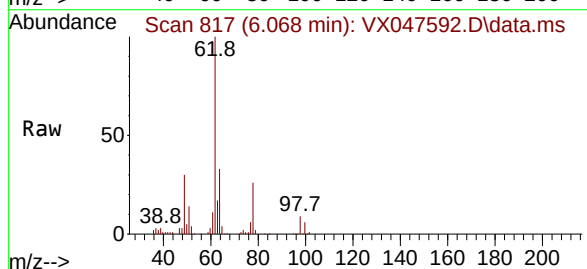
Tgt Ion: 41 Resp: 90758
Ion Ratio Lower Upper
41 100
39 55.9 43.3 64.9
67 72.5 58.6 87.8
52 30.8 26.0 39.0

Manual Integrations
APPROVED

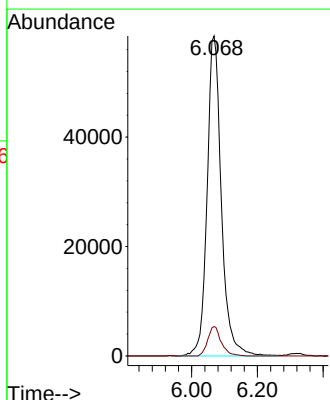
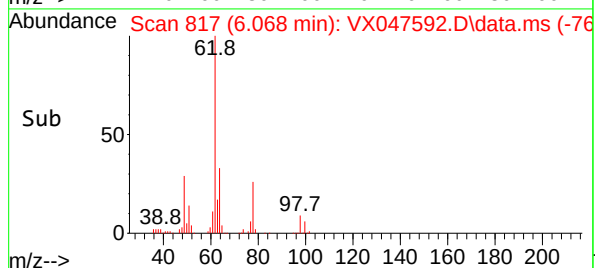
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

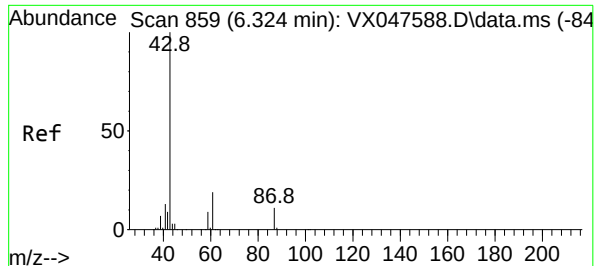


#42
1,2-Dichloroethane
Concen: 46.867 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35



Tgt Ion: 62 Resp: 176131
Ion Ratio Lower Upper
62 100
98 8.7 0.0 17.0





#43

Isopropyl Acetate

Concen: 49.136 ug/l

RT: 6.318 min Scan# 859

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

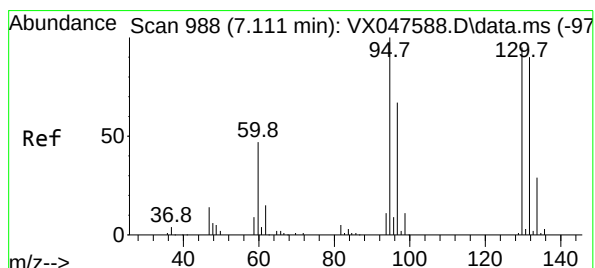
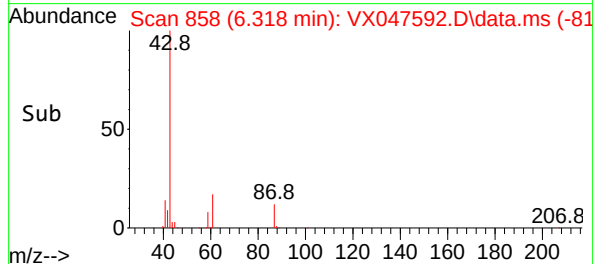
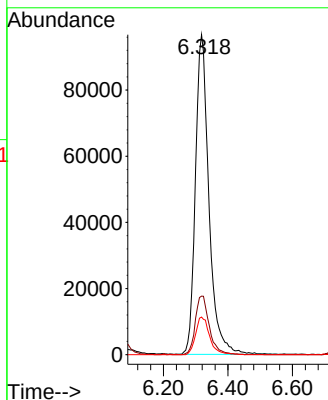
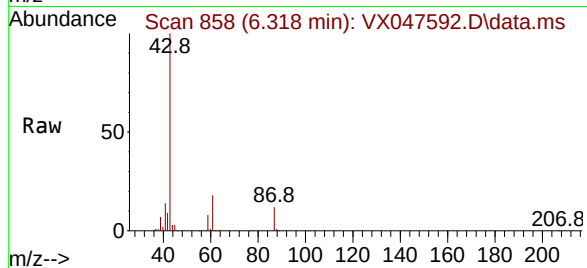
ICVVX091625

Tgt Ion:	43	Resp:	28059
Ion Ratio	Lower	Upper	
43	100		
61	19.1	15.2	22.8
87	12.2	9.6	14.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#44

Trichloroethene

Concen: 48.037 ug/l

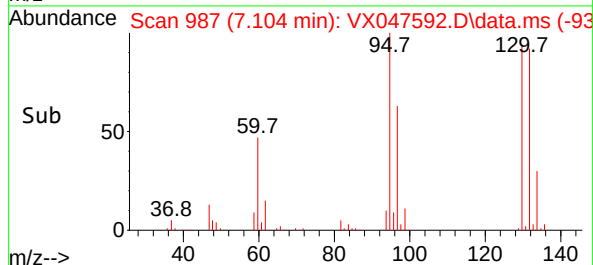
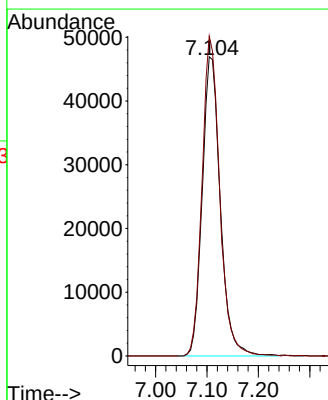
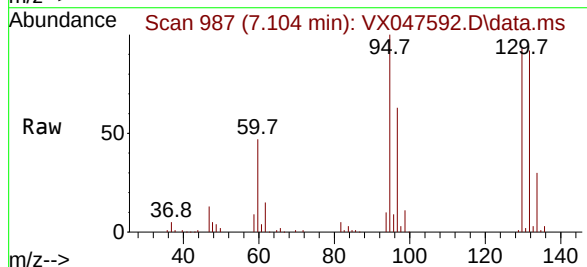
RT: 7.104 min Scan# 987

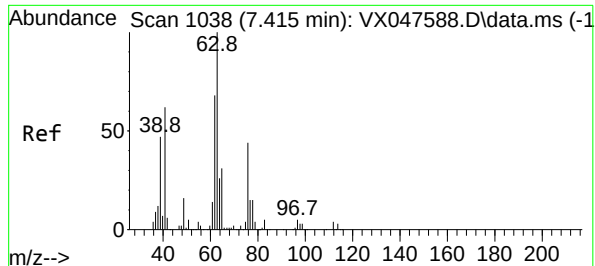
Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Tgt Ion:	130	Resp:	114708
Ion Ratio	Lower	Upper	
130	100		
95	107.0	0.0	210.8





#45

1,2-Dichloropropane

Concen: 48.053 ug/l

RT: 7.409 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVX091625

Tgt Ion: 63 Resp: 12153

Ion Ratio Lower Upper

63 100

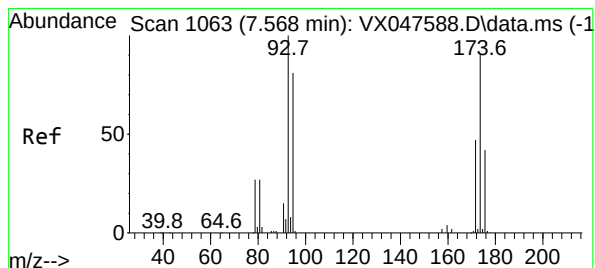
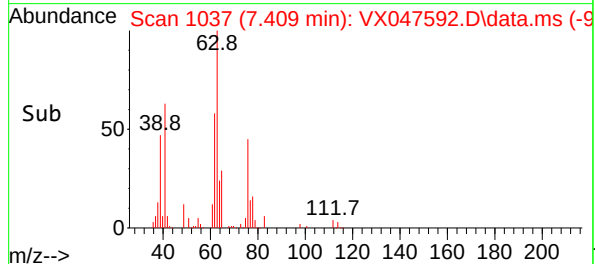
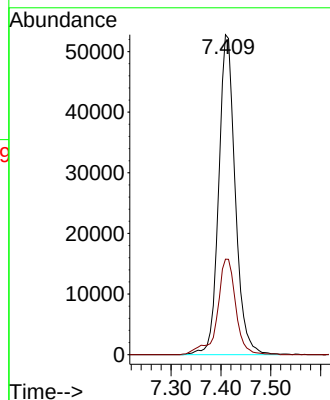
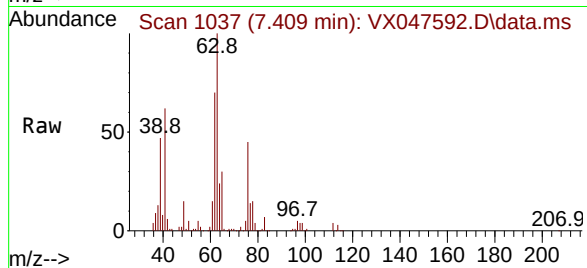
65 29.8 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#46

Dibromomethane

Concen: 47.976 ug/l

RT: 7.562 min Scan# 1062

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

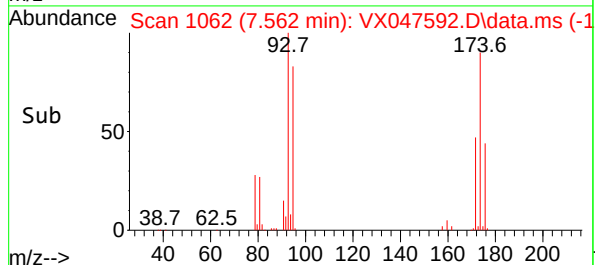
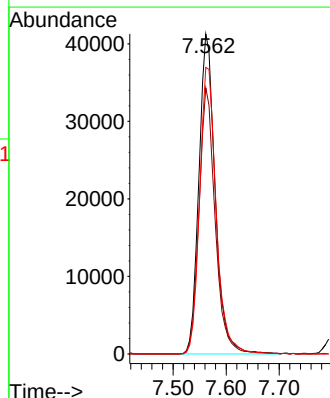
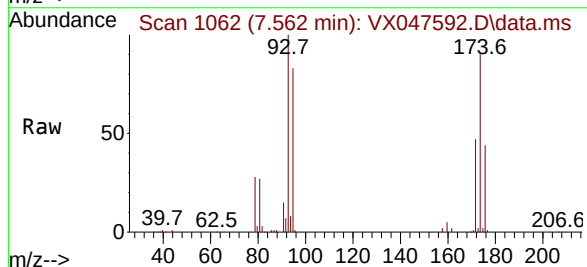
Tgt Ion: 93 Resp: 88297

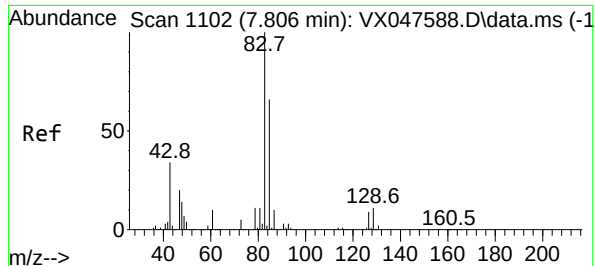
Ion Ratio Lower Upper

93 100

95 82.3 65.0 97.6

174 91.3 71.6 107.4





#47

Bromodichloromethane

Concen: 48.769 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

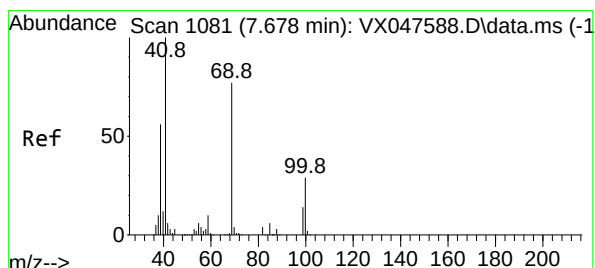
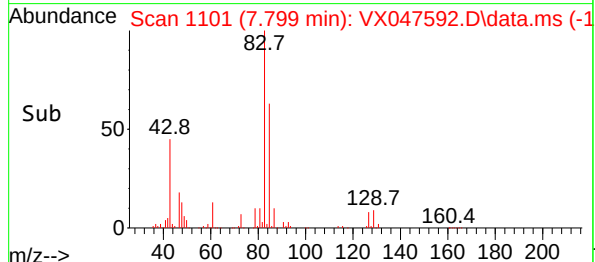
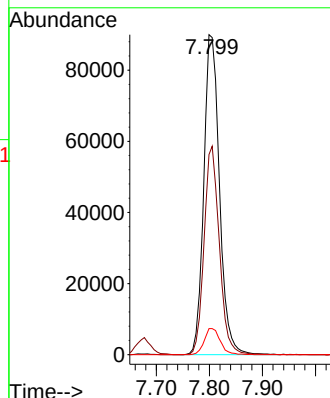
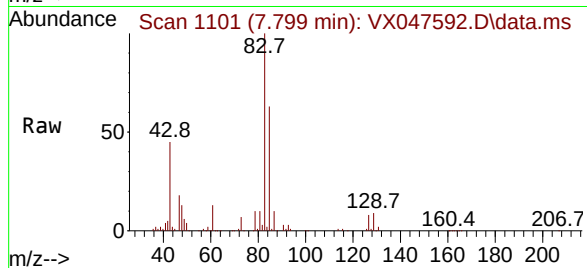
Tgt Ion:	83	Resp:	185219
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.5	78.7
127	8.1	6.9	10.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#48

Methyl methacrylate

Concen: 49.757 ug/l

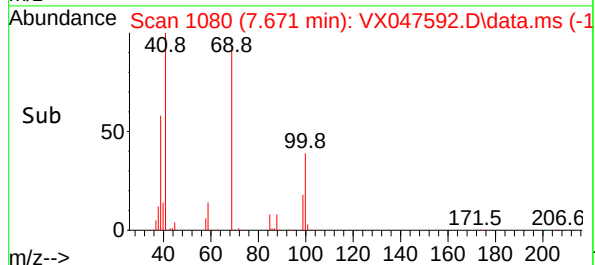
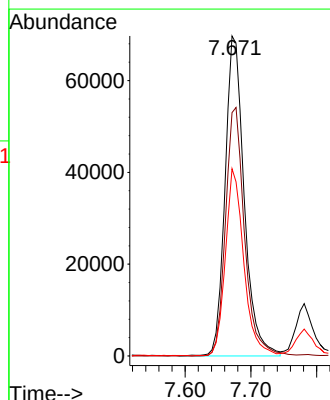
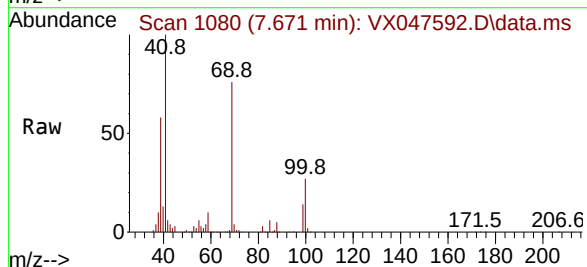
RT: 7.671 min Scan# 1080

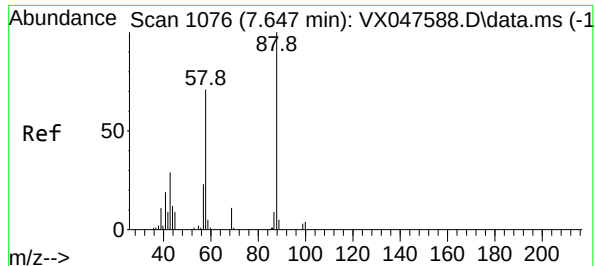
Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Tgt Ion:	41	Resp:	141532
Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	56.4	45.8	68.6





#49

1,4-Dioxane

Concen: 1089.520 ug/l

RT: 7.641 min Scan# 1076

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

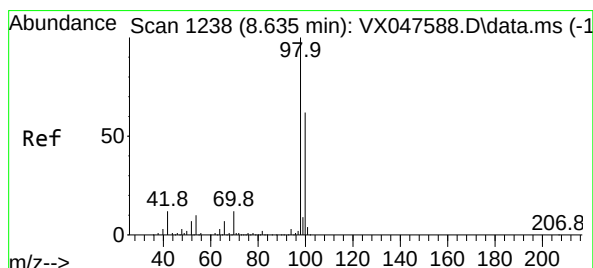
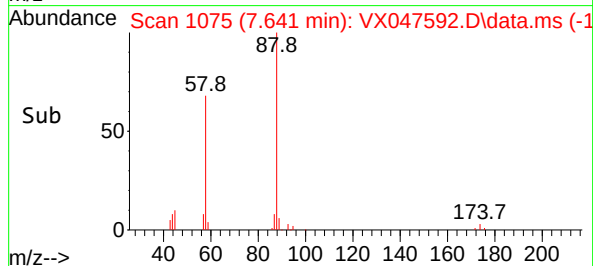
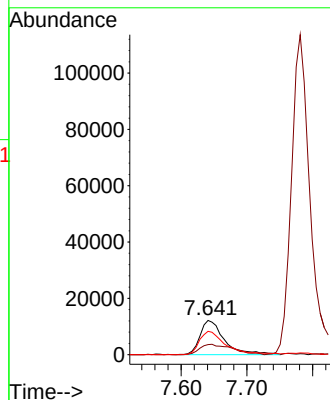
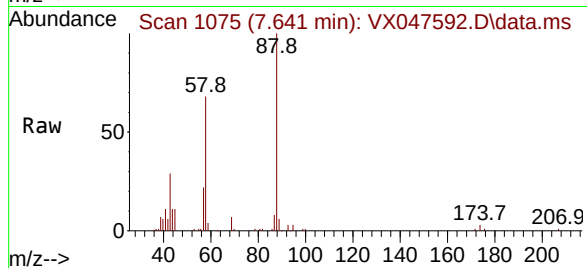
ICVVX091625

Tgt Ion:	88	Resp:	31320
Ion	Ratio	Lower	Upper
88	100		
43	40.9	30.2	45.2
58	74.1	59.5	89.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#50

Toluene-d8

Concen: 46.411 ug/l

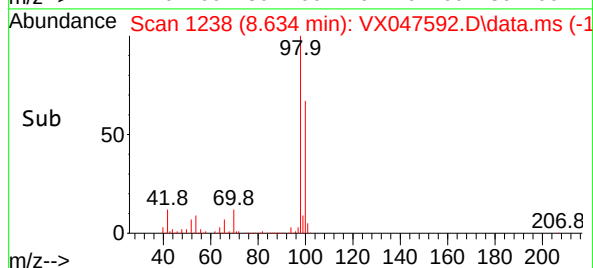
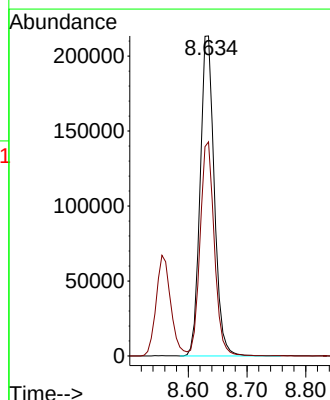
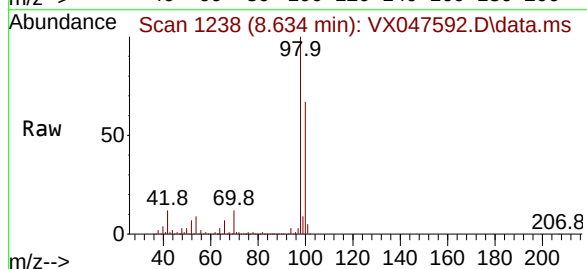
RT: 8.634 min Scan# 1238

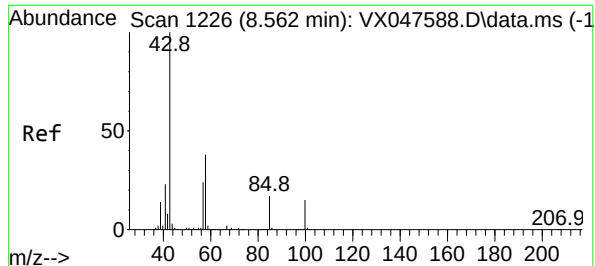
Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Tgt Ion:	98	Resp:	357393
Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 255.752 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. -0.006 min

Lab File: VX047592.D

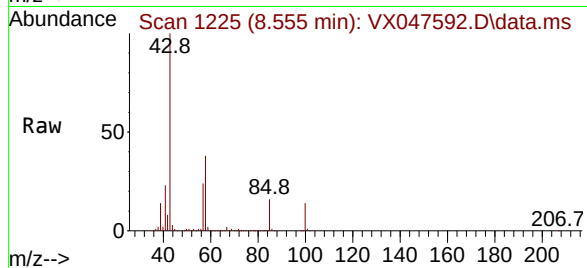
Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625



Tgt Ion: 43 Resp: 809759

Ion Ratio Lower Upper

43 100

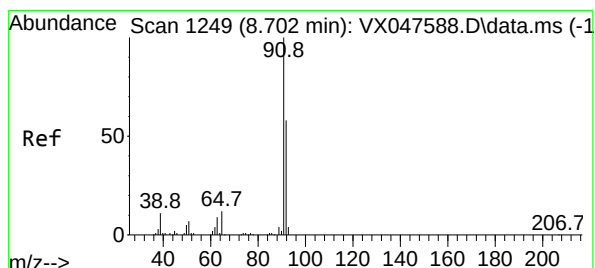
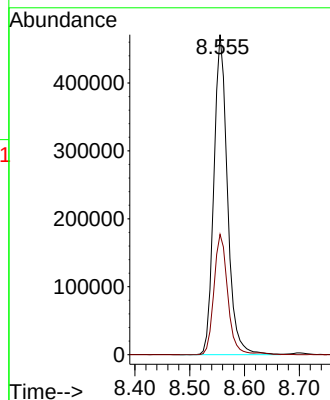
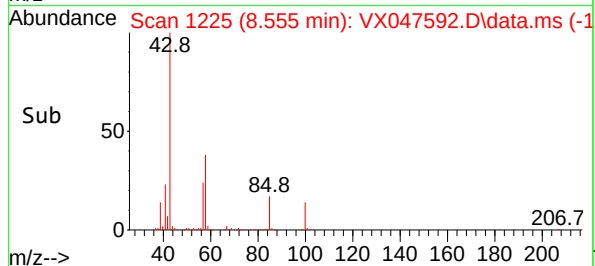
58 37.9 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#52

Toluene

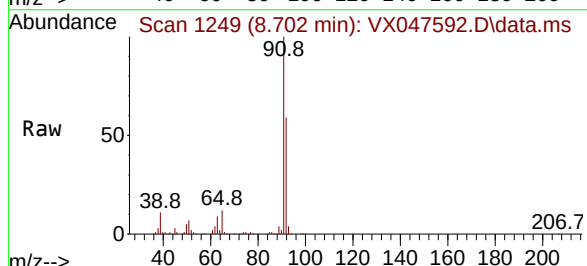
Concen: 48.130 ug/l

RT: 8.702 min Scan# 1249

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

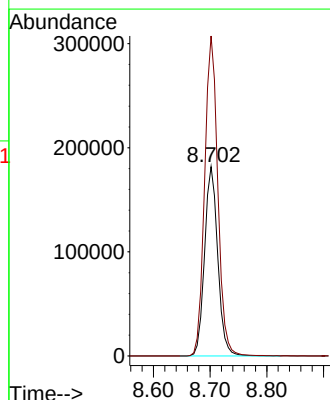
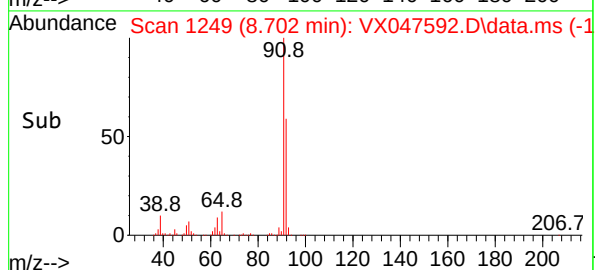


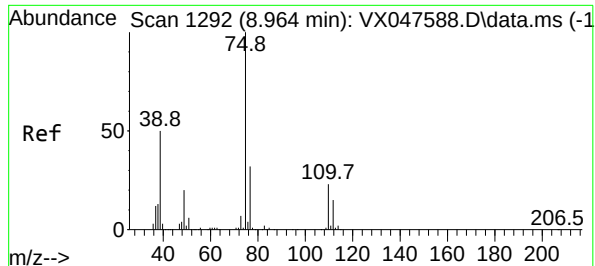
Tgt Ion: 92 Resp: 292879

Ion Ratio Lower Upper

92 100

91 169.4 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 49.527 ug/l

RT: 8.964 min Scan# 1191

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

Tgt Ion: 75 Resp: 19186

Ion Ratio Lower Upper

75 100

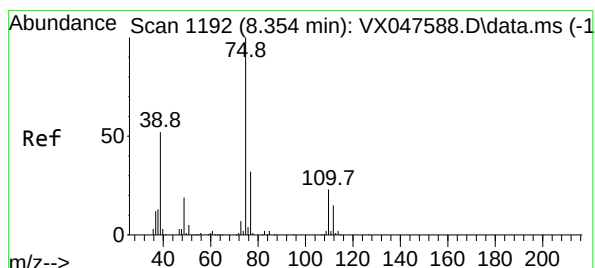
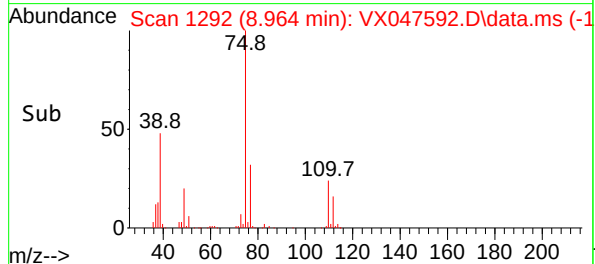
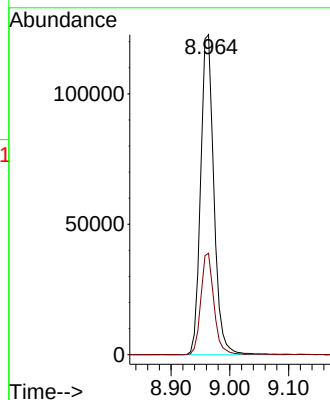
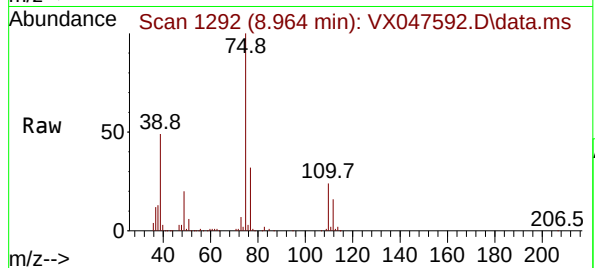
77 31.7 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#54

cis-1,3-Dichloropropene

Concen: 49.257 ug/l

RT: 8.348 min Scan# 1191

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

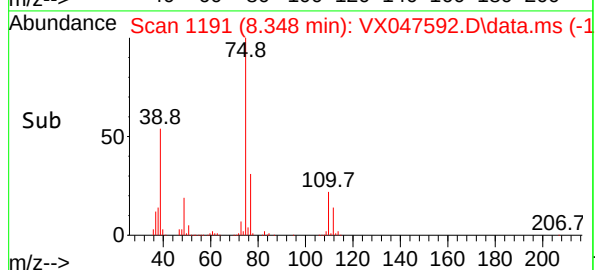
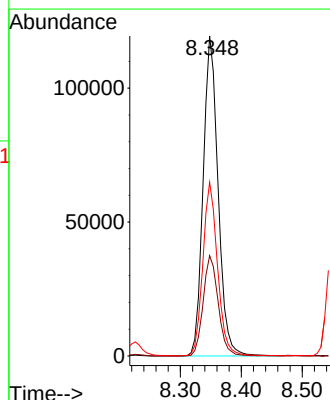
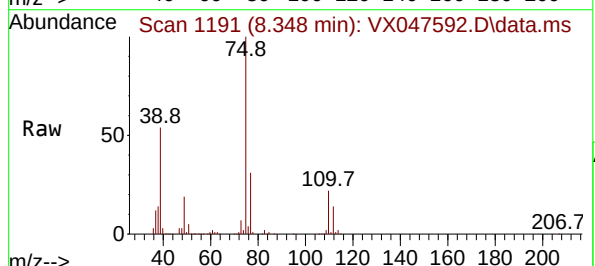
Tgt Ion: 75 Resp: 203954

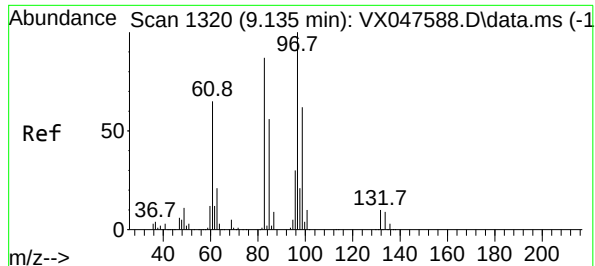
Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6

39 54.2 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 47.772 ug/l

RT: 9.134 min Scan# 112094

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

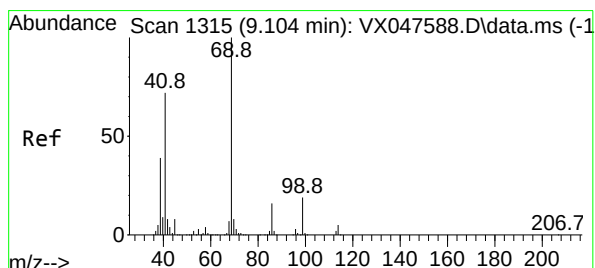
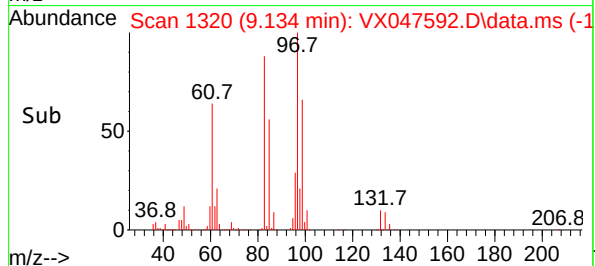
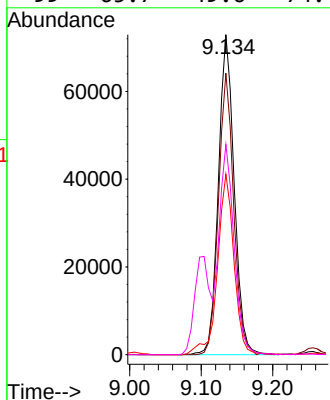
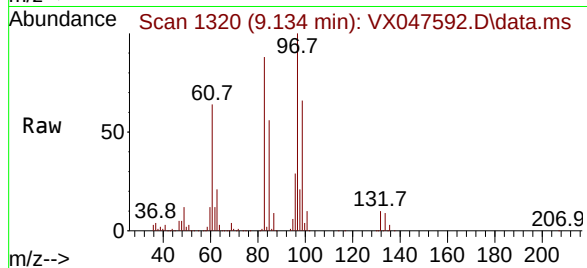
ICVX091625

Tgt Ion:	97	Resp:	112094
Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.6	104.4
85	56.4	45.0	67.6
99	65.7	49.6	74.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#56

Ethyl methacrylate

Concen: 51.490 ug/l

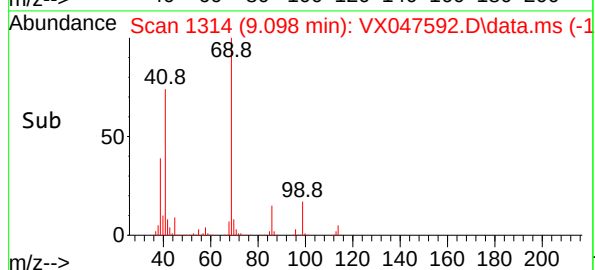
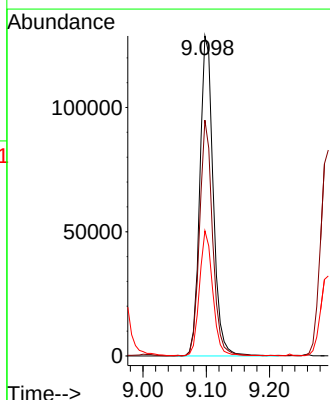
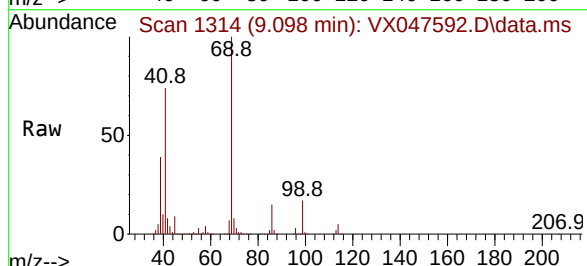
RT: 9.098 min Scan# 1314

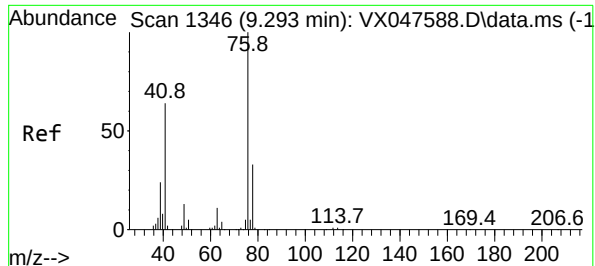
Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Tgt Ion:	69	Resp:	189741
Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3





#57

1,3-Dichloropropane

Concen: 48.894 ug/l

RT: 9.293 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVX091625

Tgt Ion: 76 Resp: 197079

Ion Ratio Lower Upper

76 100

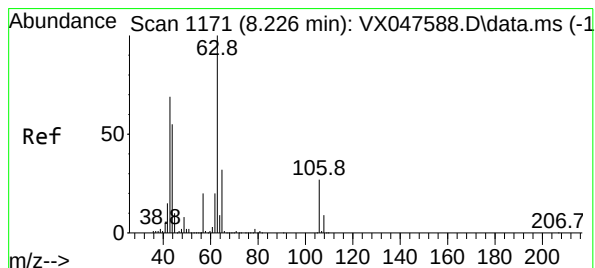
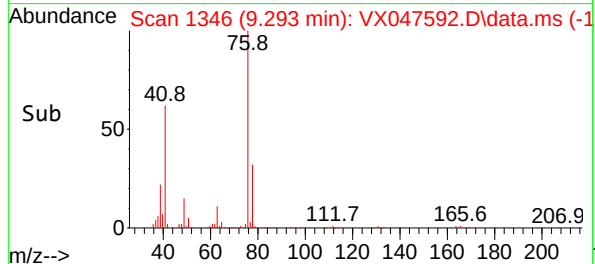
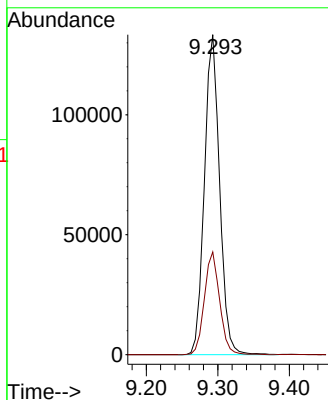
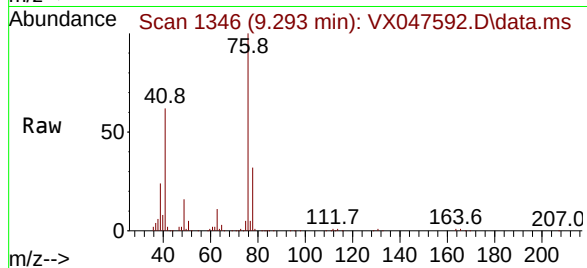
78 32.2 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#58

2-Chloroethyl Vinyl ether

Concen: 225.562 ug/l

RT: 8.226 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VX047592.D

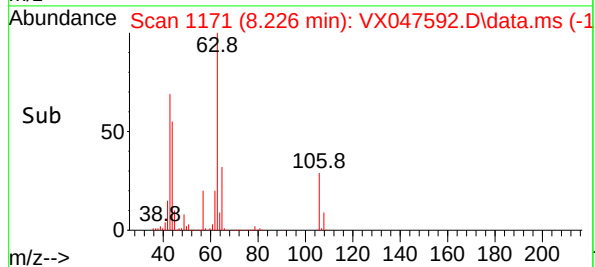
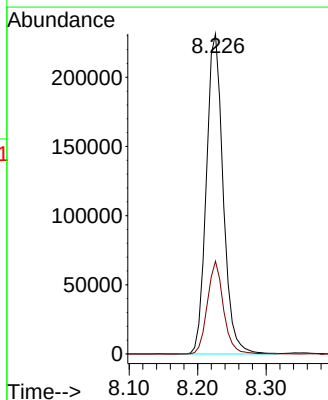
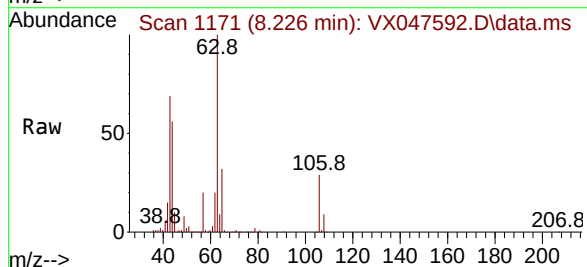
Acq: 16 Sep 2025 13:35

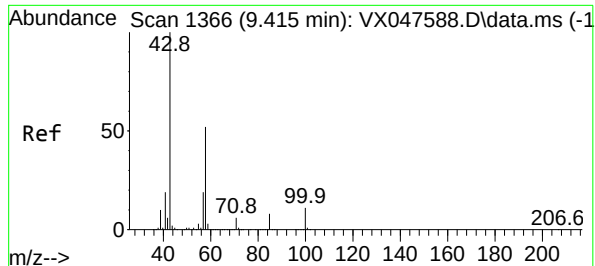
Tgt Ion: 63 Resp: 394205

Ion Ratio Lower Upper

63 100

106 27.8 21.9 32.9





#59

2-Hexanone

Concen: 253.126 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

Tgt Ion: 43 Resp: 57559

Ion Ratio Lower Upper

43

100

58

52.6

26.1

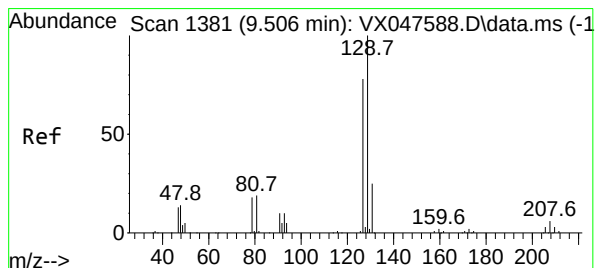
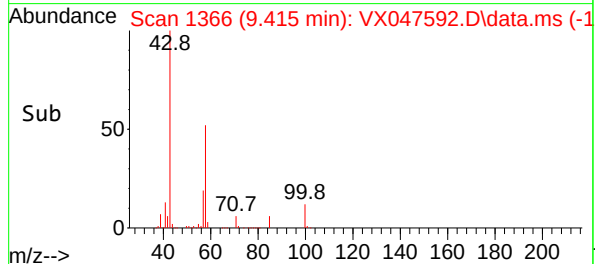
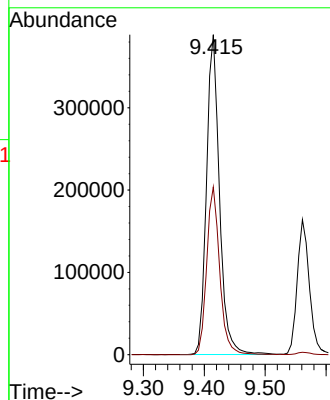
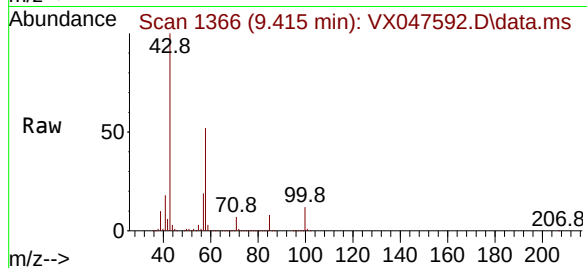
78.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#60

Dibromochloromethane

Concen: 49.824 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Tgt Ion:129 Resp: 134704

Ion Ratio Lower Upper

129

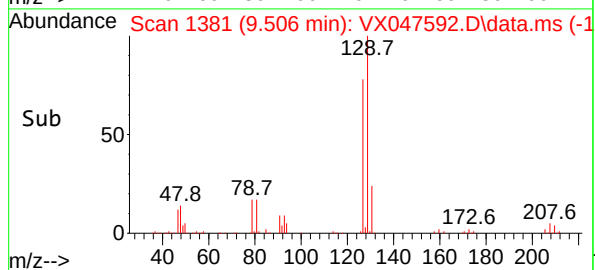
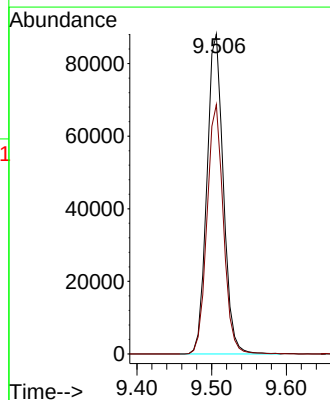
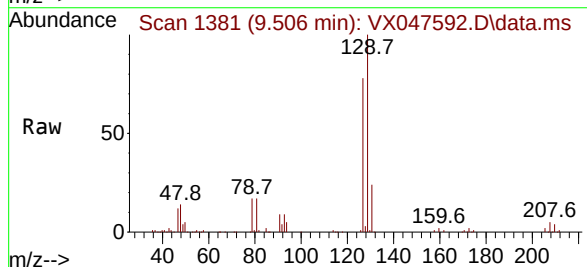
100

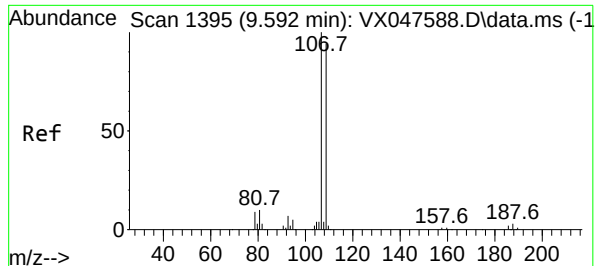
127

77.8

38.4

115.2





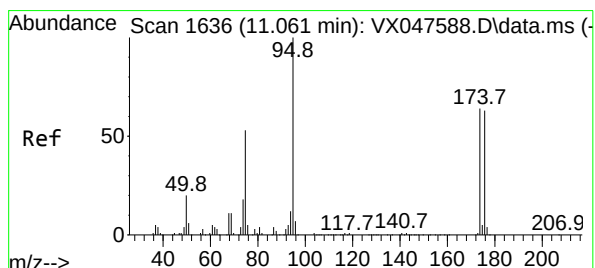
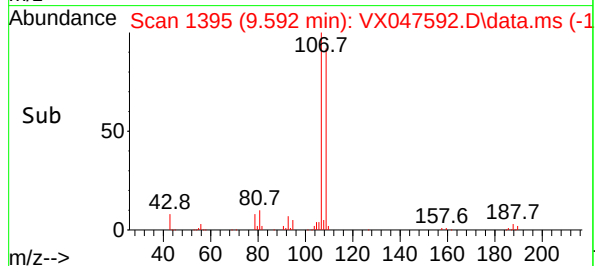
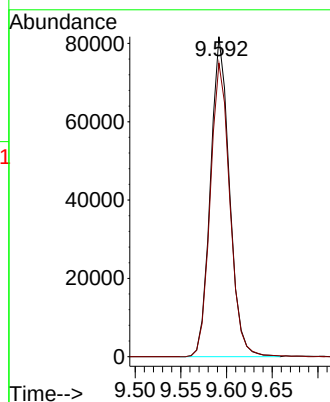
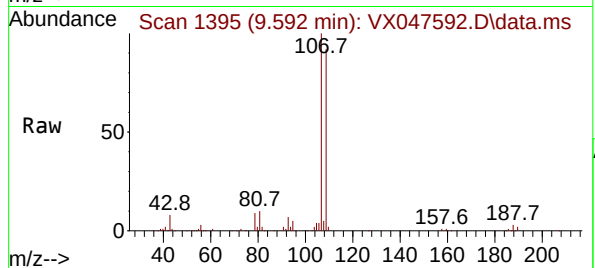
#61
1,2-Dibromoethane
Concen: 49.297 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 107 Resp: 11781
Ion Ratio Lower Upper
107 100
109 94.6 75.3 112.9

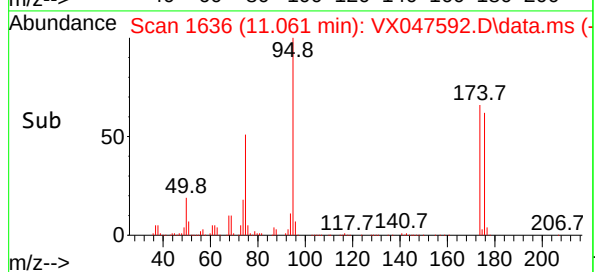
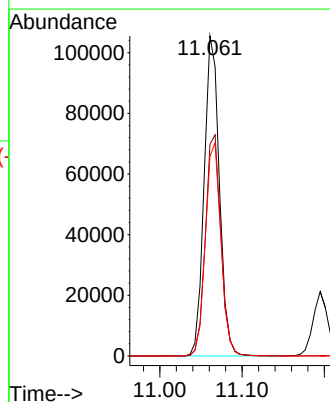
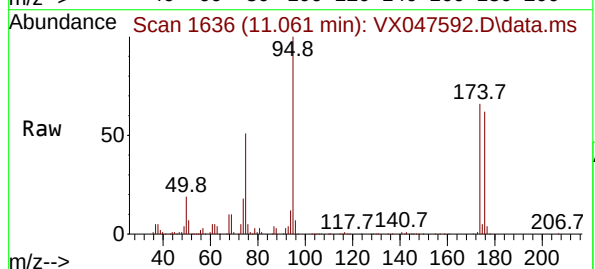
Manual Integrations
APPROVED

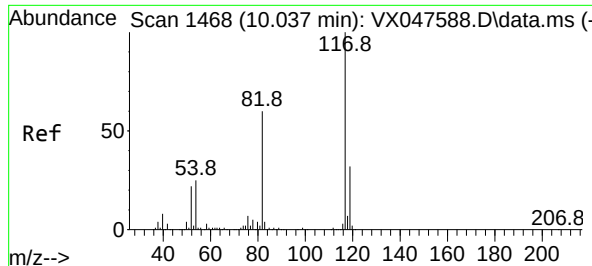
Reviewed By : John Carlone 09/17/2025
Supervised By : Mahesh Dadoda 09/18/2025



#62
4-Bromofluorobenzene
Concen: 46.520 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

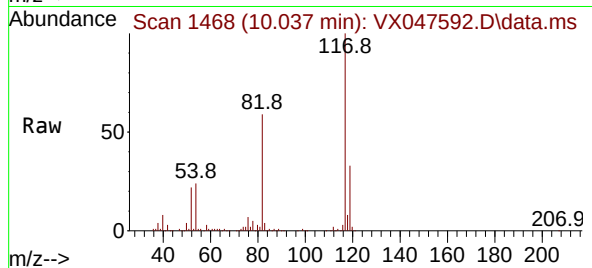
Tgt Ion: 95 Resp: 135957
Ion Ratio Lower Upper
95 100
174 70.3 0.0 141.6
176 68.0 0.0 138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

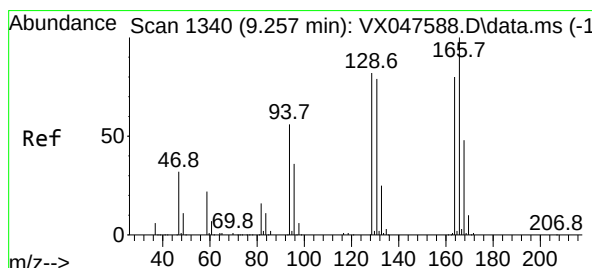
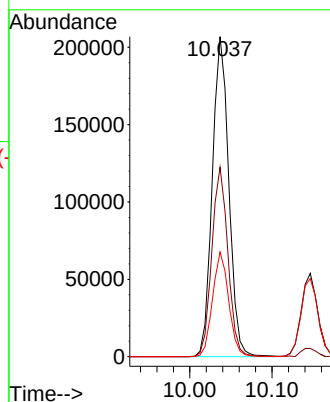
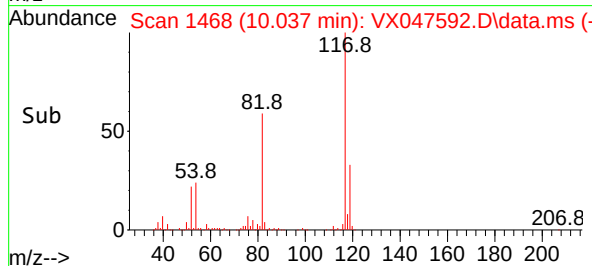
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625



Tgt Ion:117 Resp: 288660
Ion Ratio Lower Upper
117 100
82 59.2 47.8 71.6
119 32.7 25.2 37.8

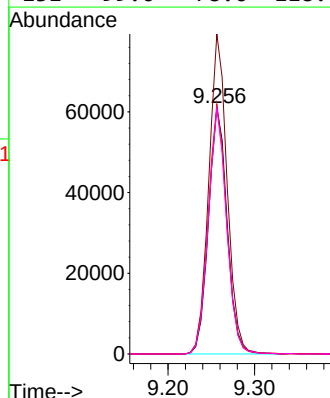
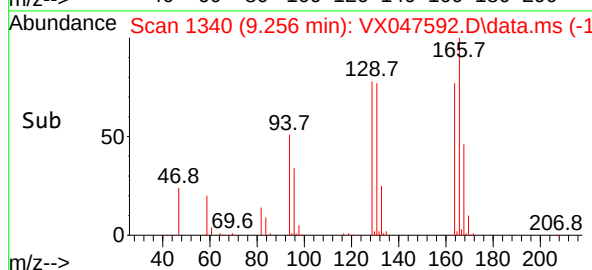
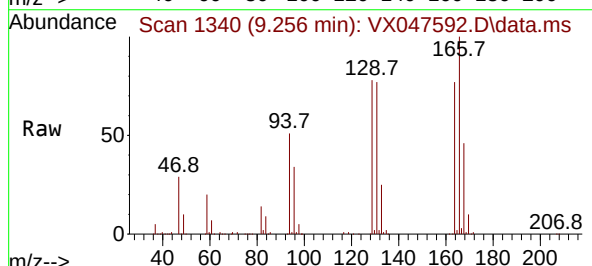
Manual Integrations
APPROVED

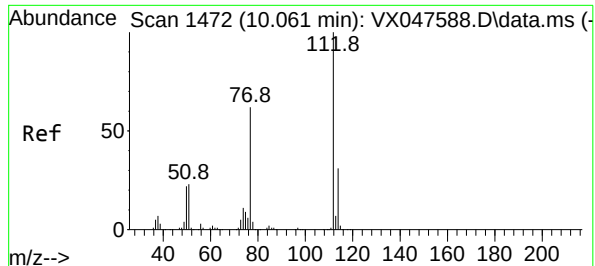
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#64
Tetrachloroethene
Concen: 48.296 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:164 Resp: 90881
Ion Ratio Lower Upper
164 100
166 129.8 100.2 150.2
129 101.3 81.8 122.6
131 99.6 78.6 118.0





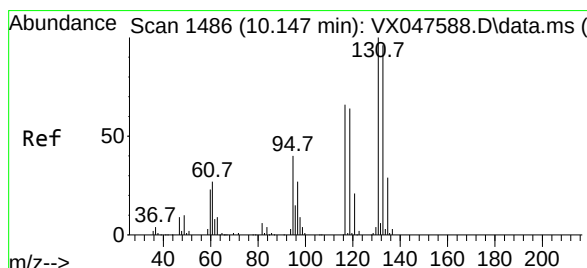
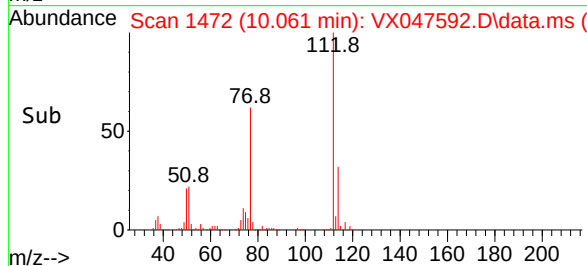
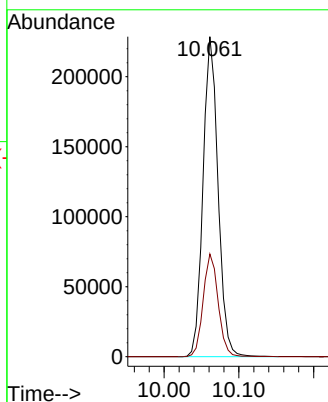
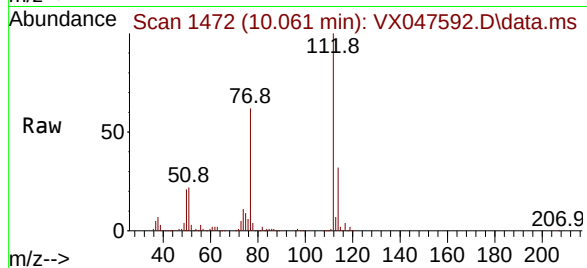
#65
Chlorobenzene
Concen: 48.549 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:112 Resp: 31837
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7

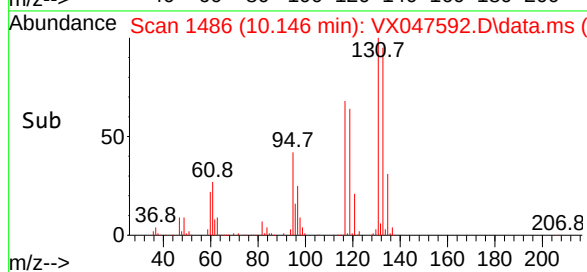
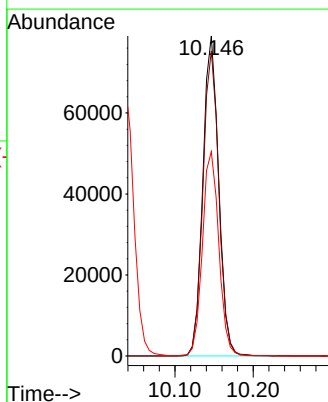
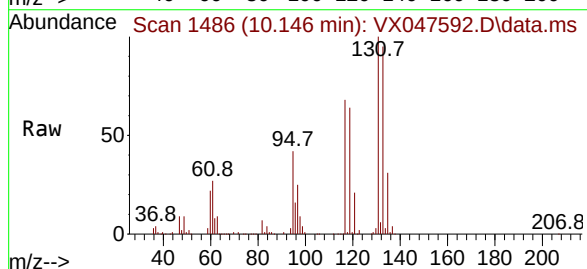
Manual Integrations
APPROVED

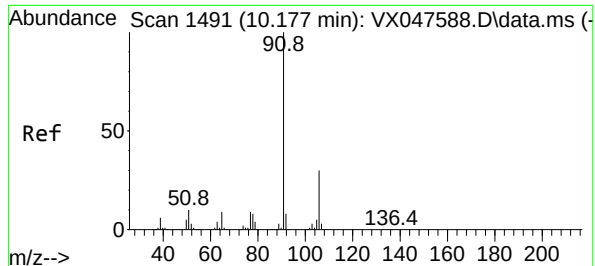
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 48.794 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:131 Resp: 110416
Ion Ratio Lower Upper
131 100
133 96.3 47.3 142.0
119 66.3 32.0 96.0





#67

Ethyl Benzene

Concen: 49.813 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

Tgt Ion: 91 Resp: 563634

Ion Ratio Lower Upper

91 100

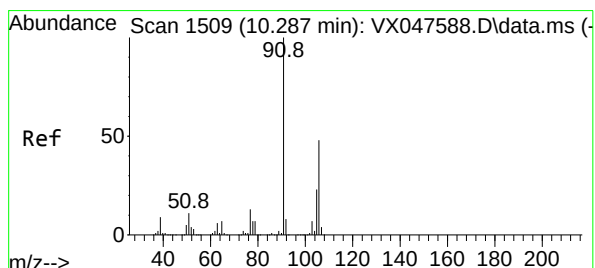
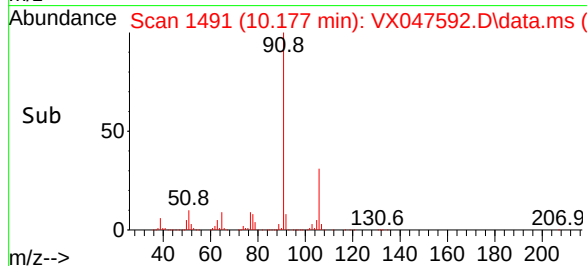
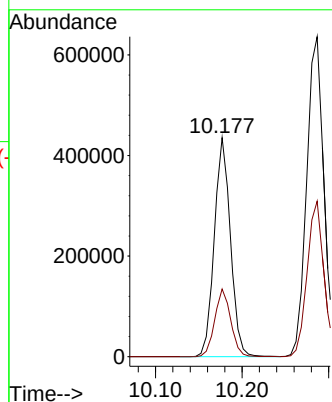
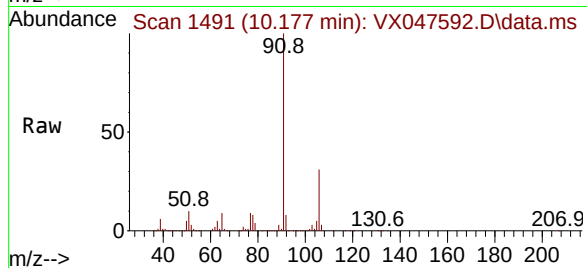
106 30.9 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#68

m/p-Xylenes

Concen: 98.956 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX047592.D

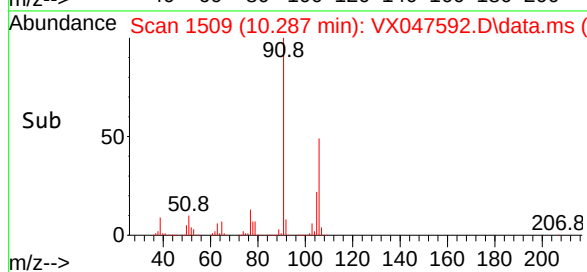
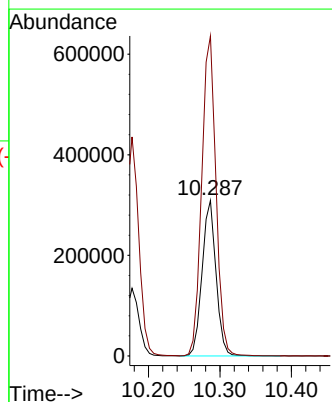
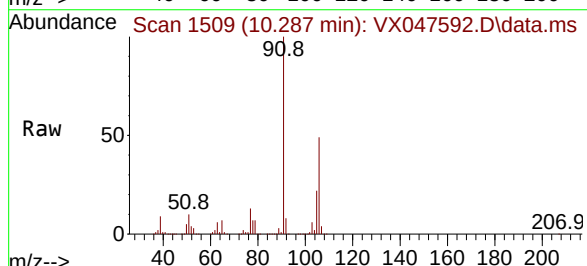
Acq: 16 Sep 2025 13:35

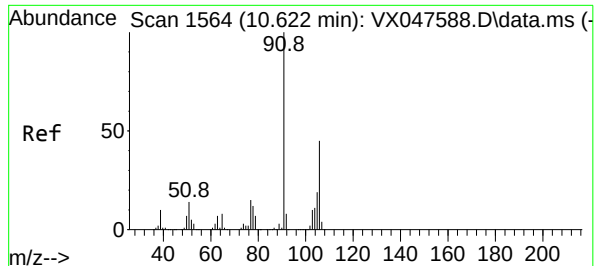
Tgt Ion:106 Resp: 416757

Ion Ratio Lower Upper

106 100

91 211.1 167.8 251.8





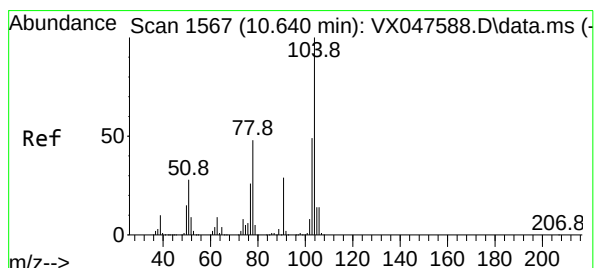
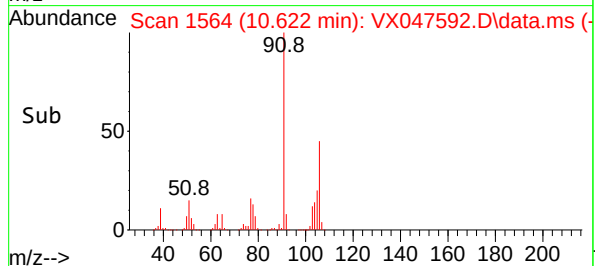
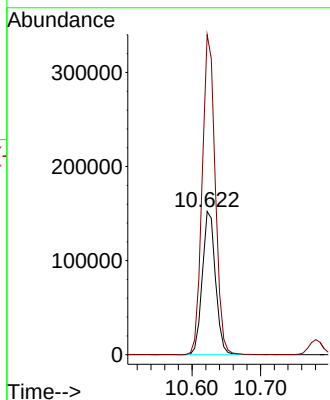
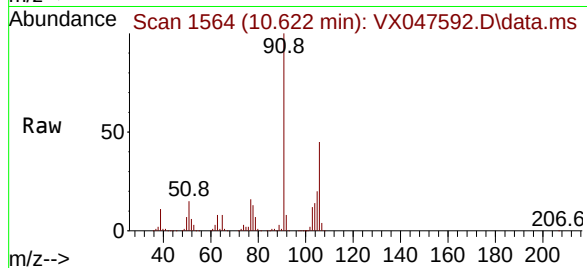
#69
o-Xylene
Concen: 50.159 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:106 Resp: 20432
Ion Ratio Lower Upper
106 100
91 221.0 111.1 333.4

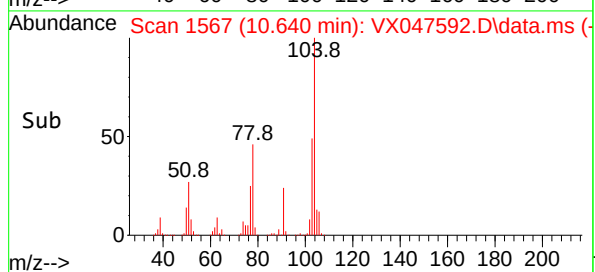
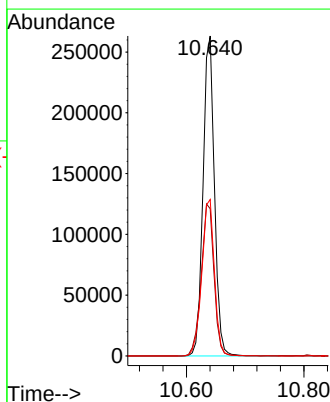
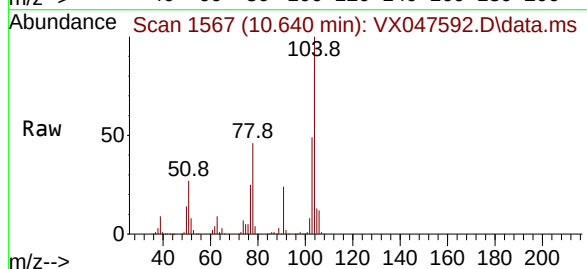
Manual Integrations
APPROVED

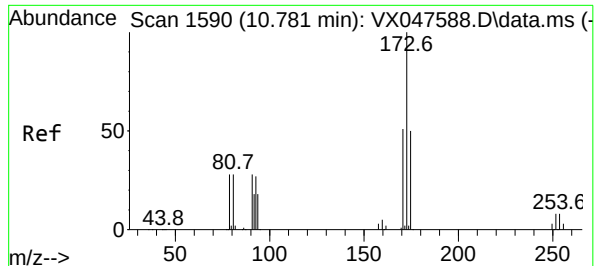
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#70
Styrene
Concen: 49.536 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

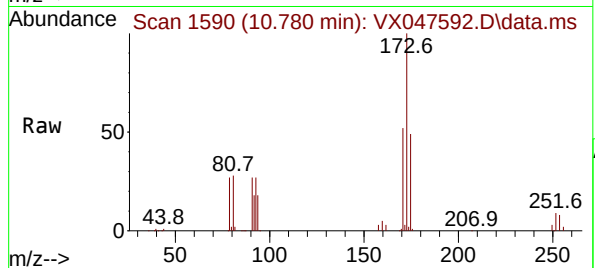
Tgt Ion:104 Resp: 353567
Ion Ratio Lower Upper
104 100
78 53.4 43.1 64.7
103 54.3 43.1 64.7





#71
Bromoform
Concen: 51.207 ug/l
RT: 10.780 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

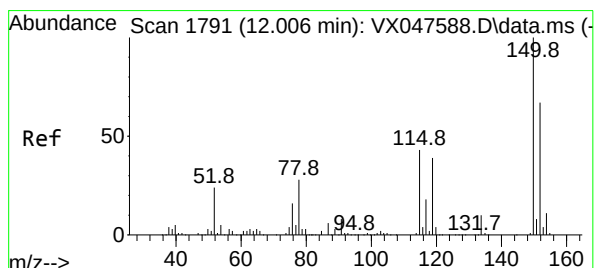
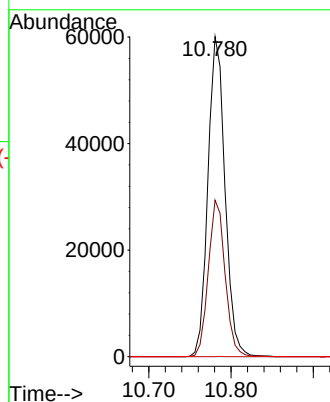
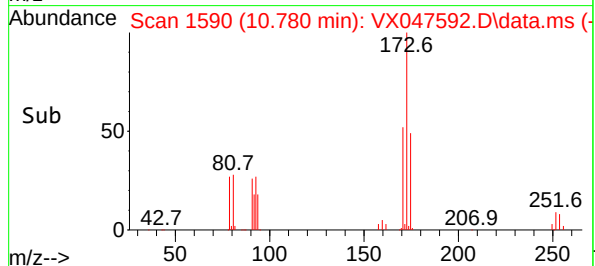
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625



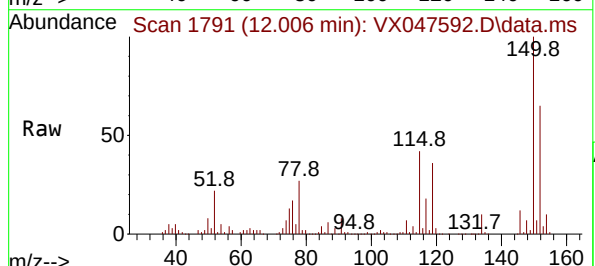
Tgt Ion:173 Resp: 86524
Ion Ratio Lower Upper
173 100
175 48.2 24.9 74.6
254 0.0 0.1 0.1

Manual Integrations
APPROVED

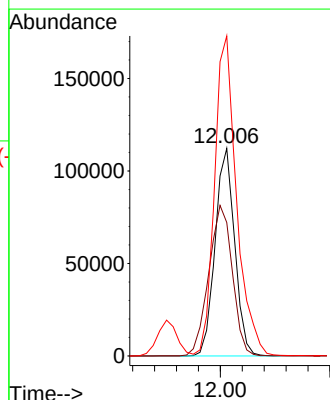
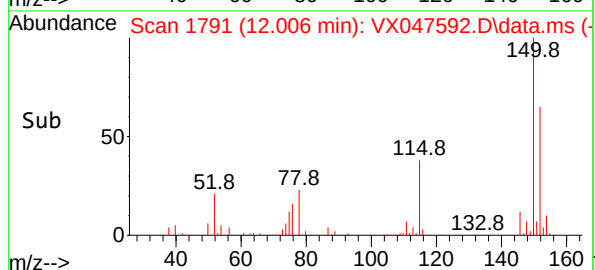
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

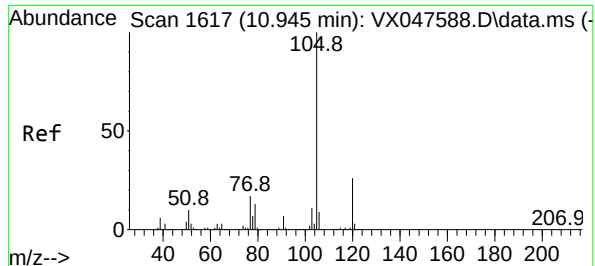


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35



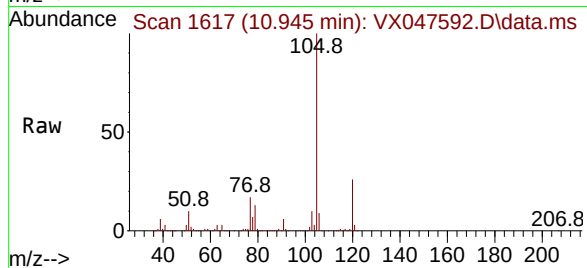
Tgt Ion:152 Resp: 139252
Ion Ratio Lower Upper
152 100
115 87.5 44.9 134.5
150 173.5 0.0 352.0





#73
Isopropylbenzene
Concen: 49.479 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

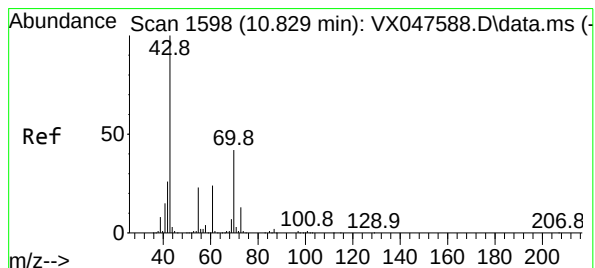
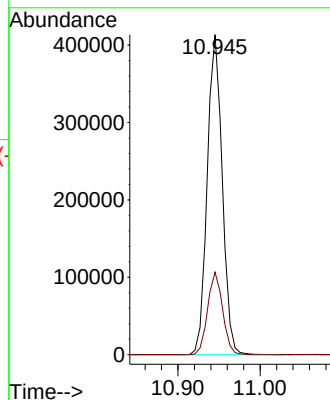
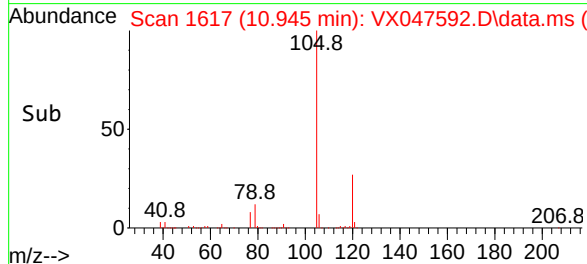
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625



Tgt Ion:105 Resp: 523820
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.4

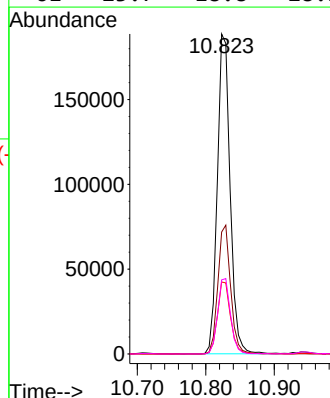
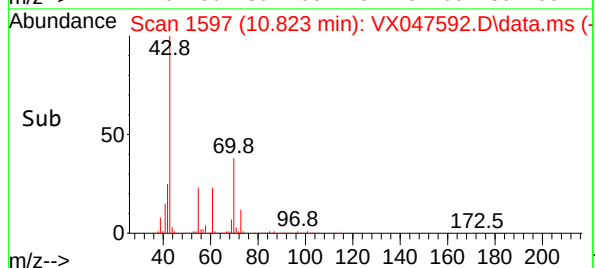
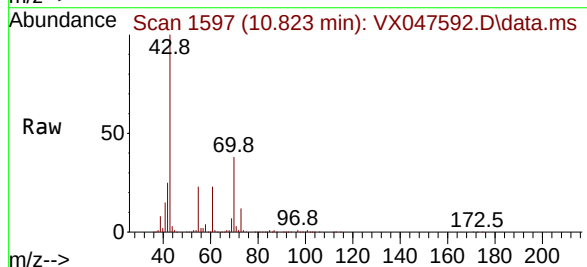
Manual Integrations
APPROVED

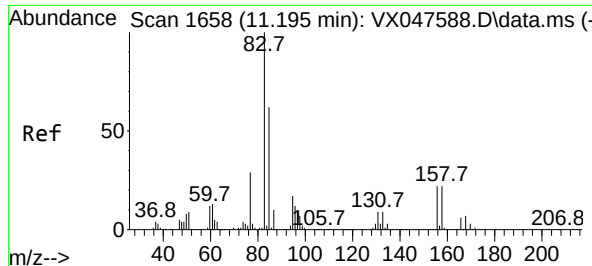
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#74
N-ethyl acetate
Concen: 50.375 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 243198
Ion Ratio Lower Upper
43 100
70 40.2 32.0 48.0
55 23.2 18.9 28.3
61 23.7 18.8 28.2





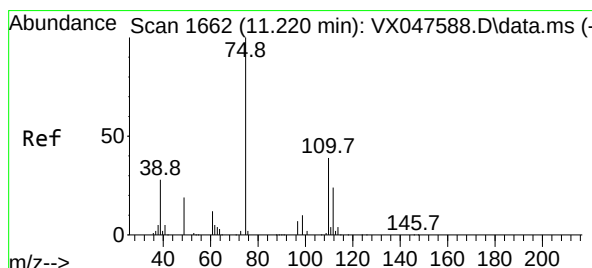
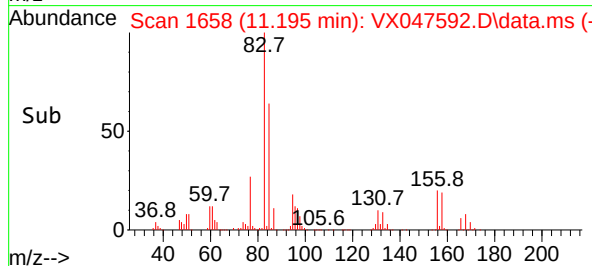
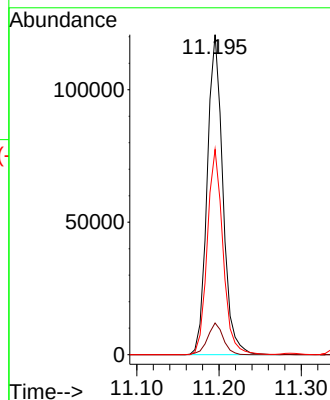
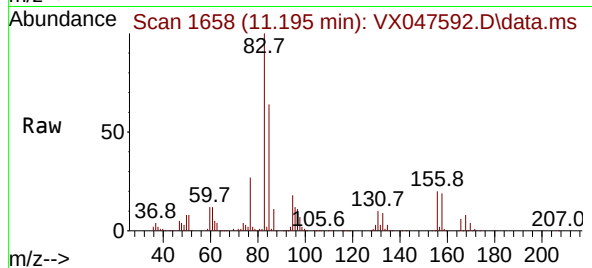
#75
1,1,2,2-Tetrachloroethane
Concen: 49.851 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 83 Resp: 159670
Ion Ratio Lower Upper
83 100
131 9.9 5.0 14.9
85 64.2 31.6 95.0

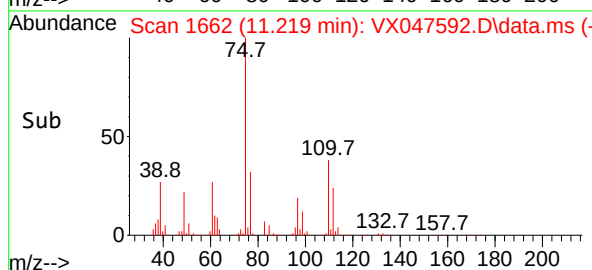
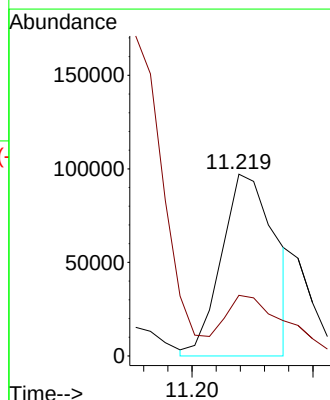
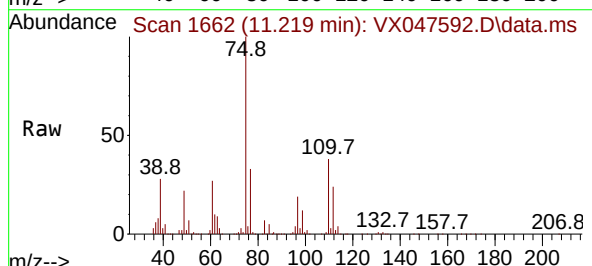
Manual Integrations
APPROVED

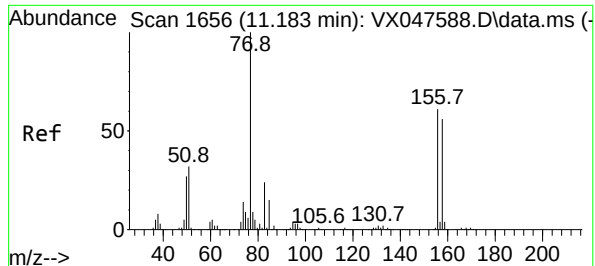
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#76
1,2,3-Trichloropropane
Concen: 53.124 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 149779
Ion Ratio Lower Upper
75 100
77 38.0 18.8 56.4





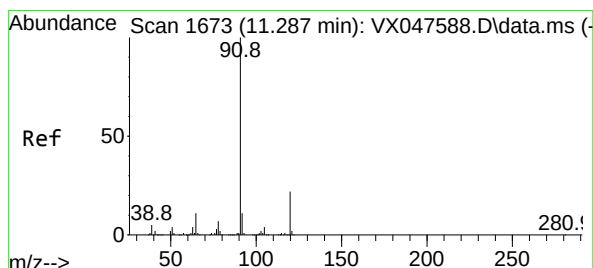
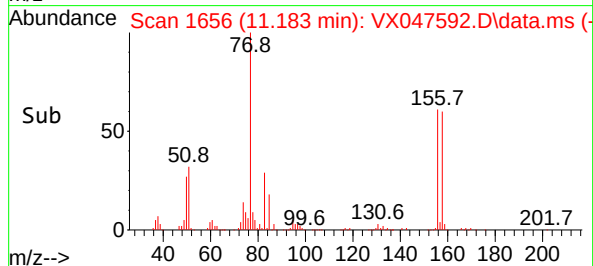
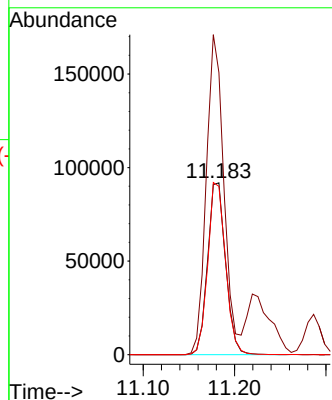
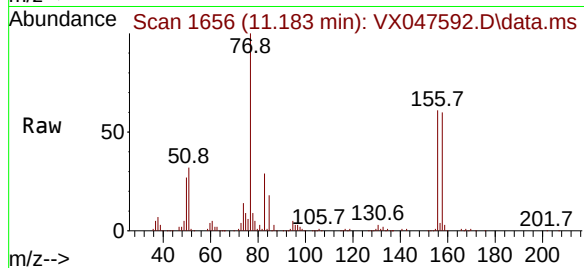
#77
Bromobenzene
Concen: 48.173 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:156 Resp: 125610
Ion Ratio Lower Upper
156 100
77 182.2 89.7 269.1
158 99.0 47.9 143.6

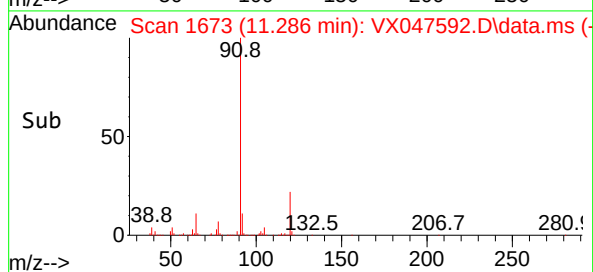
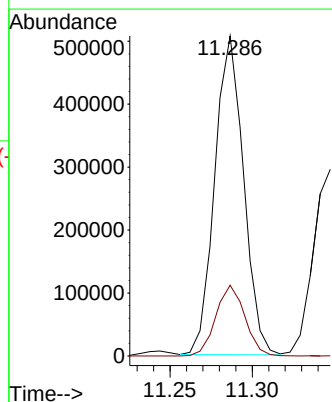
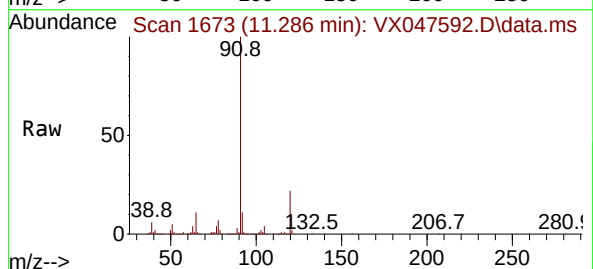
Manual Integrations
APPROVED

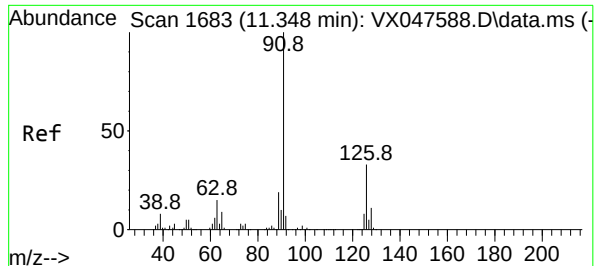
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#78
n-propylbenzene
Concen: 49.295 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 616928
Ion Ratio Lower Upper
91 100
120 22.4 11.1 33.1





#79

2-Chlorotoluene

Concen: 49.117 ug/l

RT: 11.347 min Scan# 1683

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

Tgt Ion: 91 Resp: 376480

Ion Ratio Lower Upper

91 100

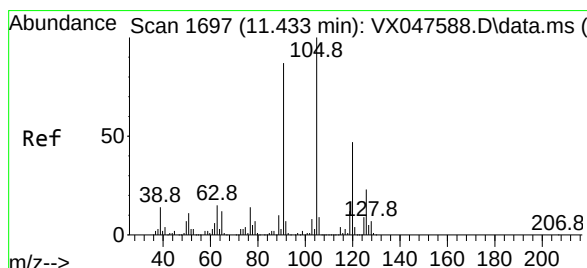
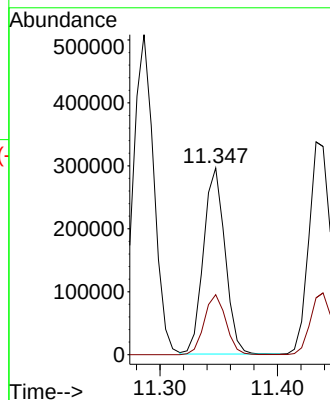
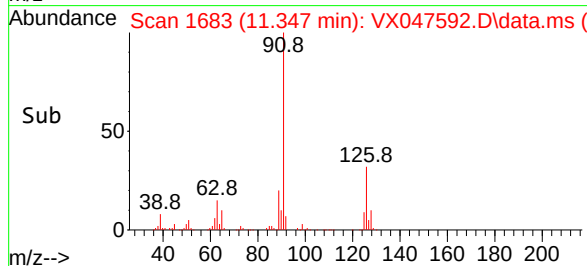
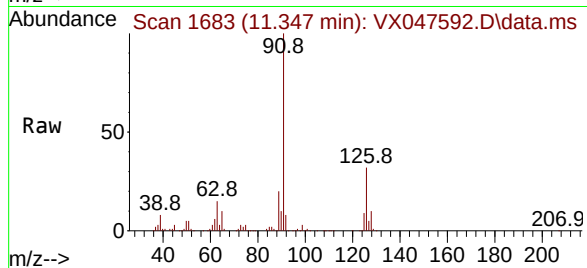
126 32.4 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#80

1,3,5-Trimethylbenzene

Concen: 50.055 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX047592.D

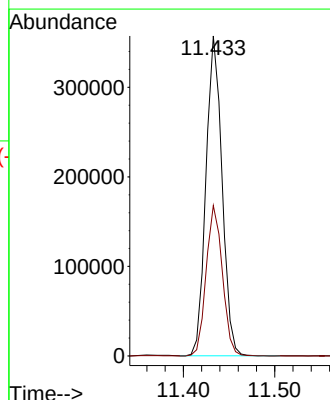
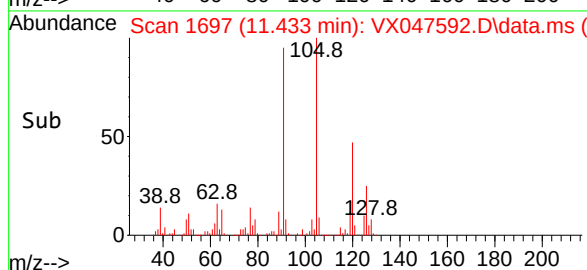
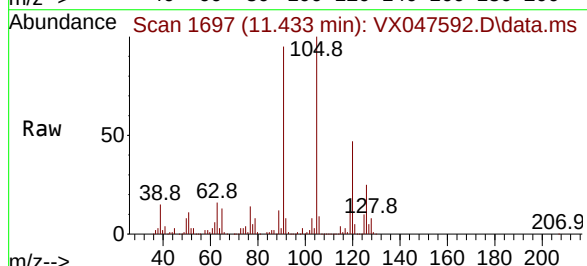
Acq: 16 Sep 2025 13:35

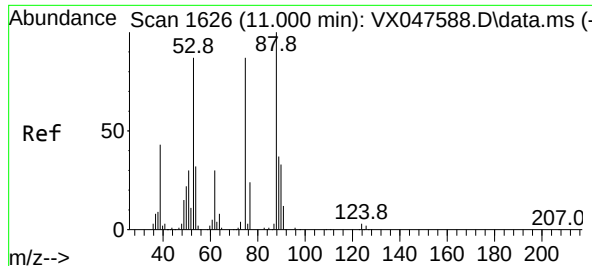
Tgt Ion:105 Resp: 435375

Ion Ratio Lower Upper

105 100

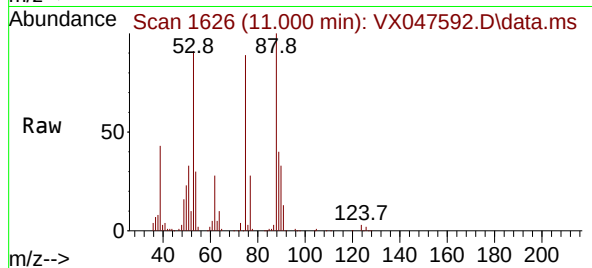
120 47.5 23.6 70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 50.543 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

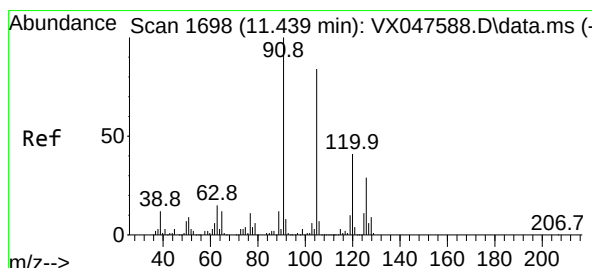
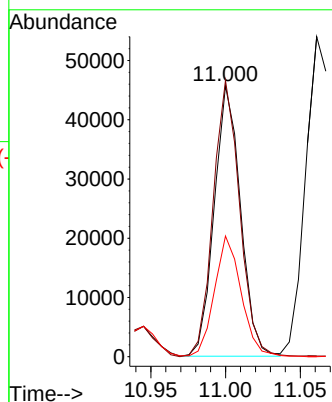
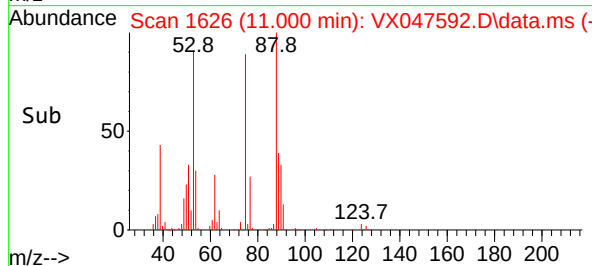
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625



Tgt Ion: 75 Resp: 55880
Ion Ratio Lower Upper
75 100
53 103.4 83.4 125.2
89 45.4 36.3 54.5

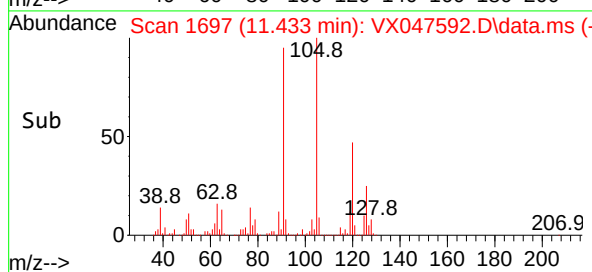
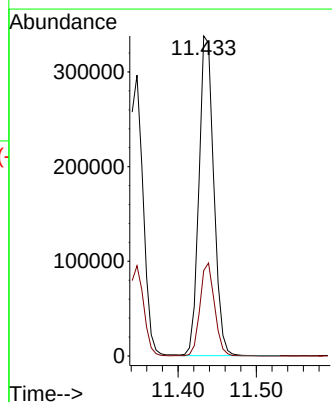
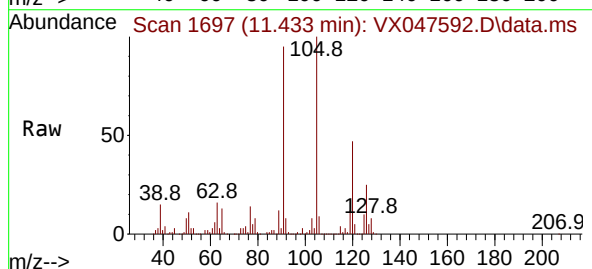
Manual Integrations
APPROVED

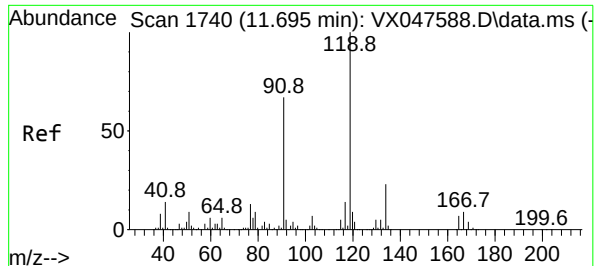
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#82
4-Chlorotoluene
Concen: 49.164 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 445075
Ion Ratio Lower Upper
91 100
126 28.6 14.2 42.6





#83

tert-Butylbenzene

Concen: 49.679 ug/l

RT: 11.695 min Scan# 1740

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVX091625

Tgt Ion:119 Resp: 44234

Ion Ratio Lower Upper

119 100

91 58.7 29.6 88.8

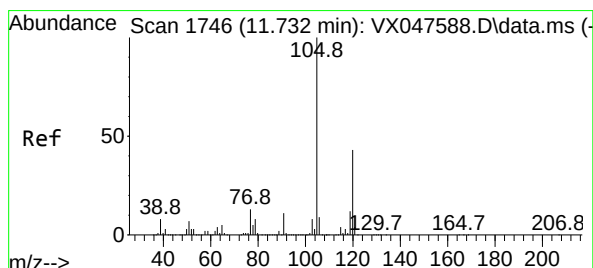
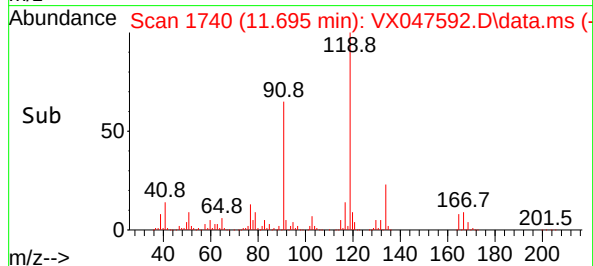
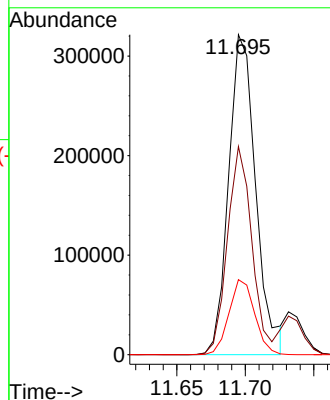
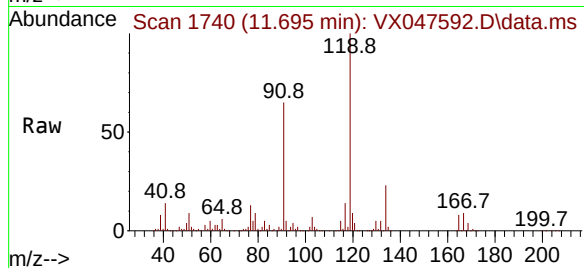
134 22.3 11.0 33.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#84

1,2,4-Trimethylbenzene

Concen: 49.911 ug/l

RT: 11.732 min Scan# 1746

Delta R.T. -0.000 min

Lab File: VX047592.D

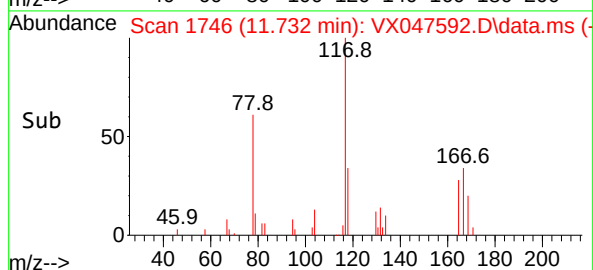
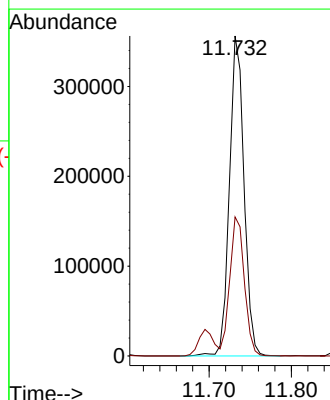
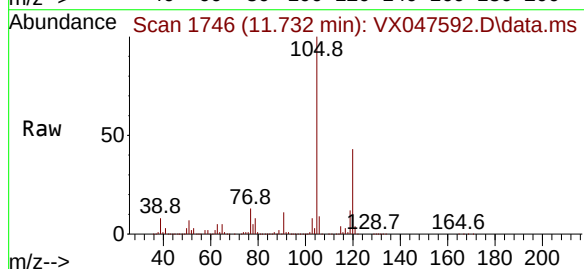
Acq: 16 Sep 2025 13:35

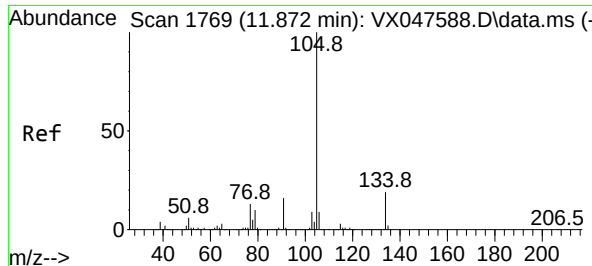
Tgt Ion:105 Resp: 440134

Ion Ratio Lower Upper

105 100

120 43.5 22.1 66.1





#85

sec-Butylbenzene

Concen: 50.100 ug/l

RT: 11.872 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVX091625

Tgt Ion:105 Resp: 529869

Ion Ratio Lower Upper

105 100

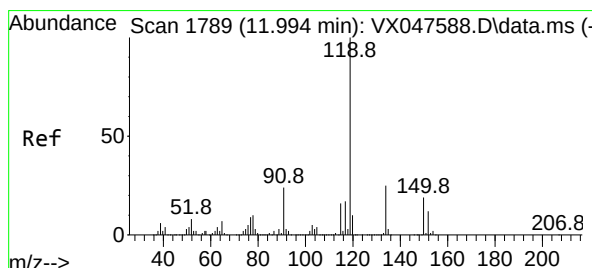
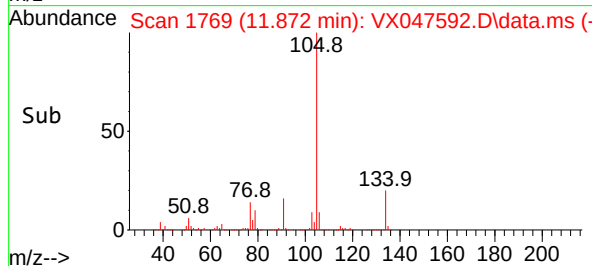
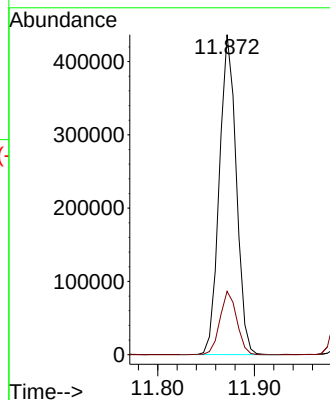
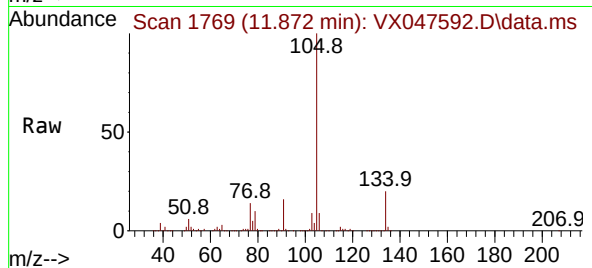
134 19.7 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#86

p-Isopropyltoluene

Concen: 49.861 ug/l

RT: 11.994 min Scan# 1789

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

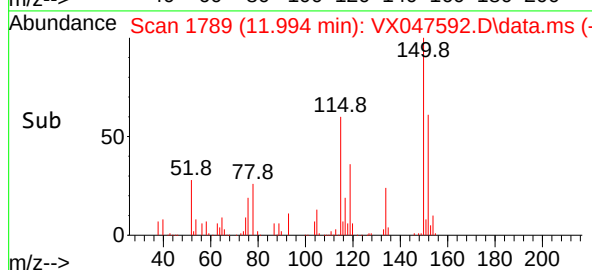
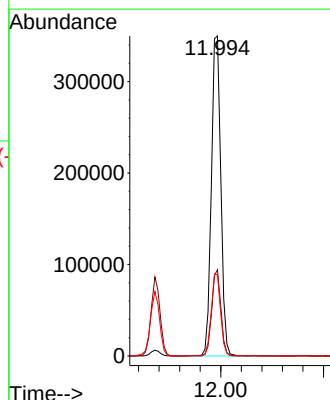
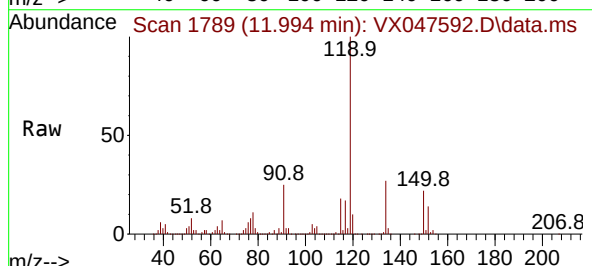
Tgt Ion:119 Resp: 446441

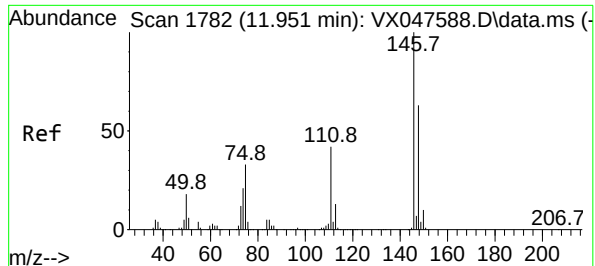
Ion Ratio Lower Upper

119 100

134 25.9 12.6 37.8

91 25.4 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 49.014 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVX091625

Tgt Ion:146 Resp: 23738

Ion Ratio Lower Upper

146 100

111 42.1 21.5 64.5

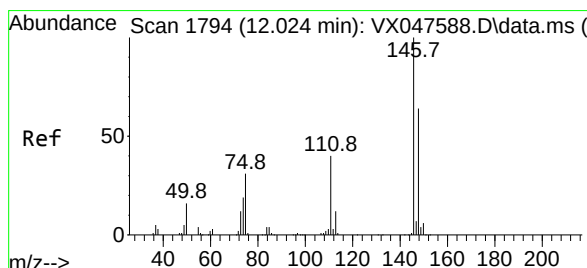
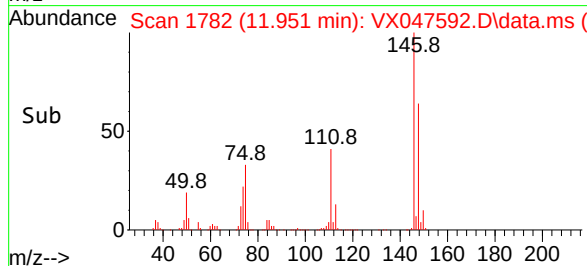
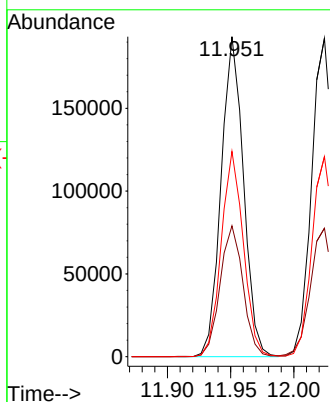
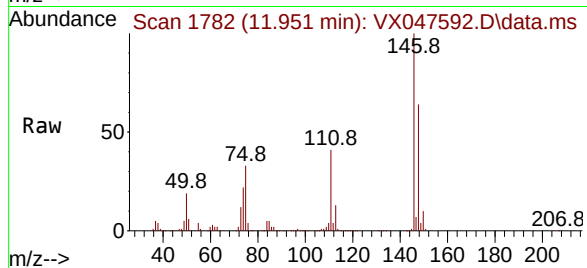
148 63.5 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#88

1,4-Dichlorobenzene

Concen: 49.011 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

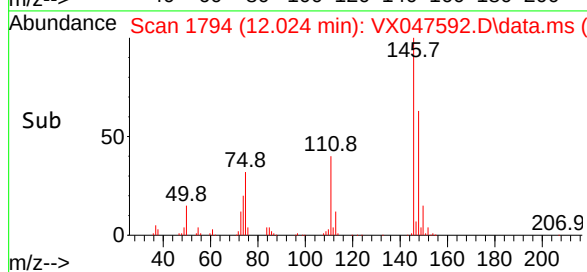
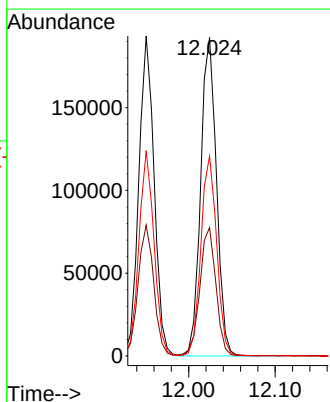
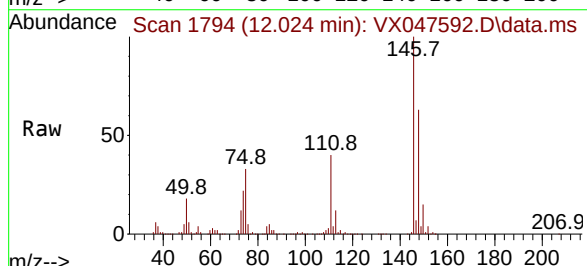
Tgt Ion:146 Resp: 243618

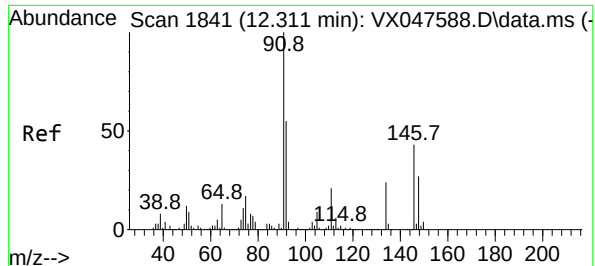
Ion Ratio Lower Upper

146 100

111 41.0 20.8 62.4

148 62.7 31.7 95.1





#89

n-Butylbenzene

Concen: 50.752 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVX091625

Tgt Ion: 91 Resp: 420478

Ion Ratio Lower Upper

91 100

92 55.2 27.6 82.7

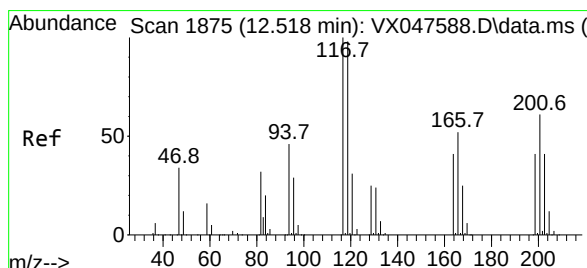
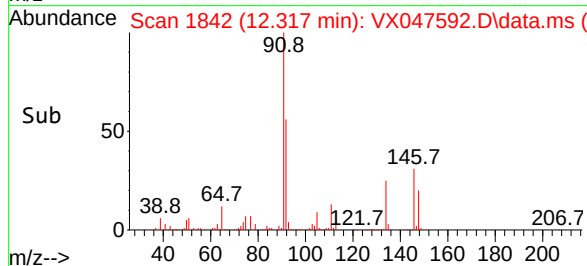
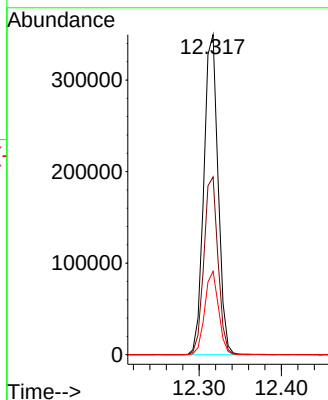
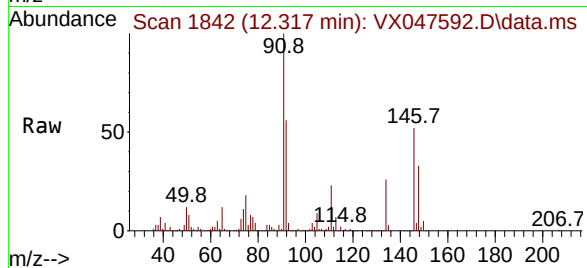
134 25.3 12.6 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#90

Hexachloroethane

Concen: 50.732 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX047592.D

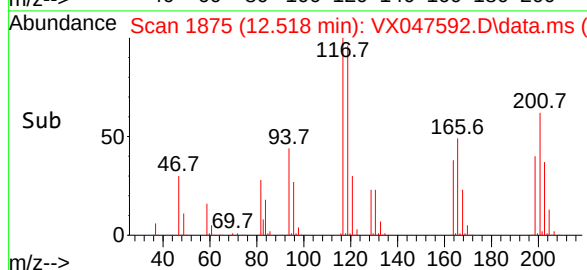
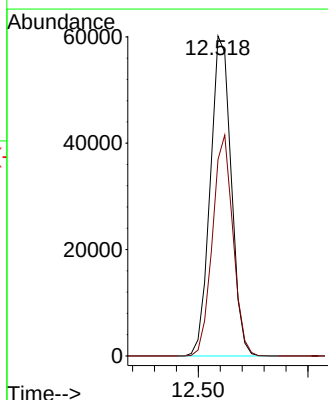
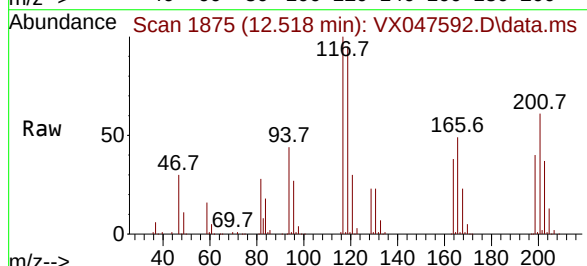
Acq: 16 Sep 2025 13:35

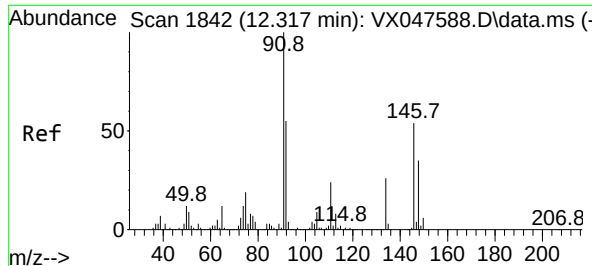
Tgt Ion:117 Resp: 79751

Ion Ratio Lower Upper

117 100

201 67.7 34.2 102.5





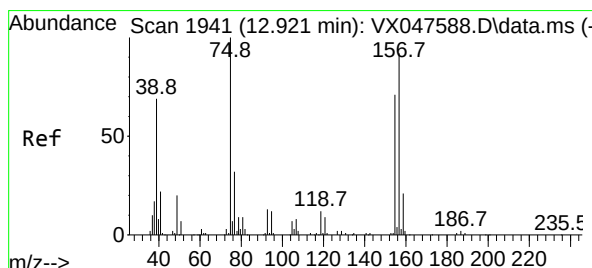
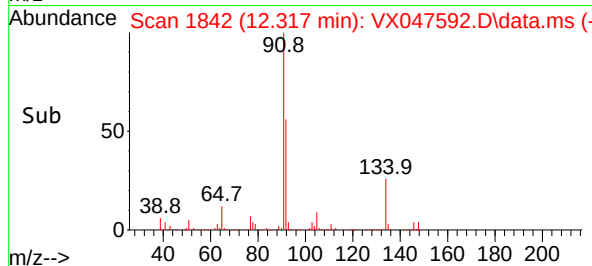
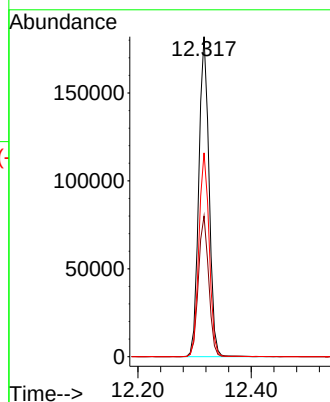
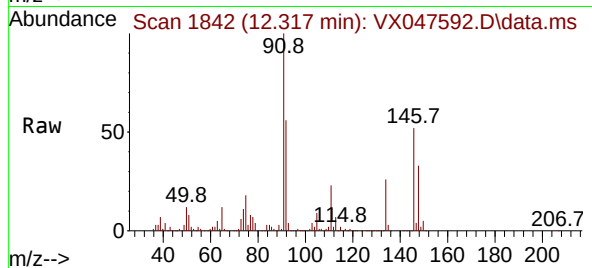
#91
1,2-Dichlorobenzene
Concen: 49.304 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVX091625

Tgt Ion:146 Resp: 22749
Ion Ratio Lower Upper
146 100
111 44.2 22.2 66.6
148 64.1 31.8 95.4

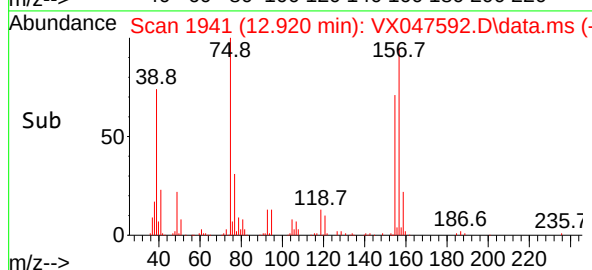
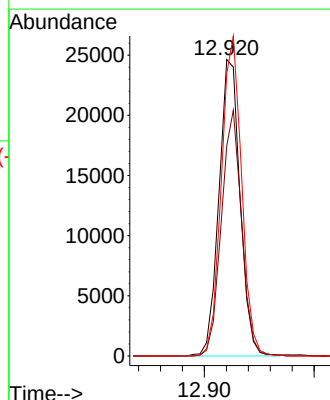
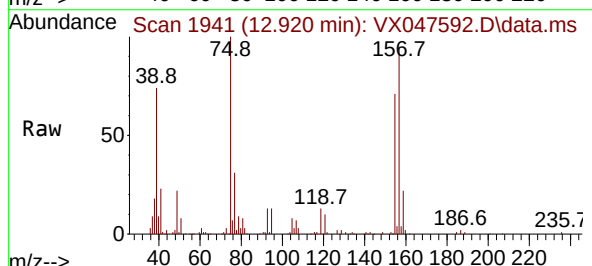
Manual Integrations
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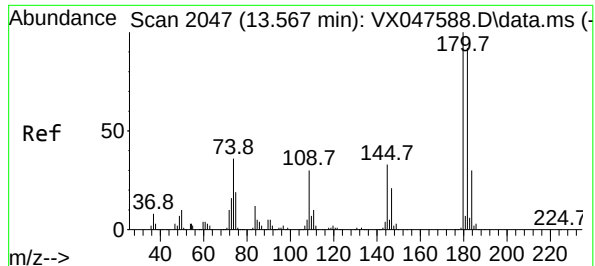
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.918 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 33020
Ion Ratio Lower Upper
75 100
155 79.1 37.7 113.1
157 103.2 49.8 149.4





#93

1,2,4-Trichlorobenzene

Concen: 51.133 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

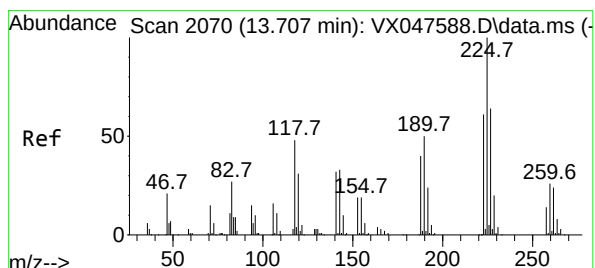
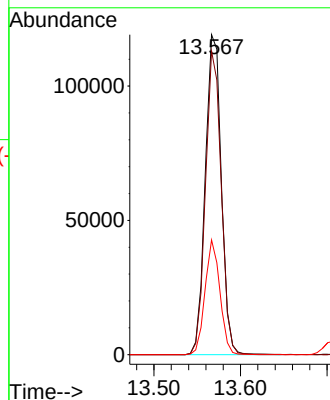
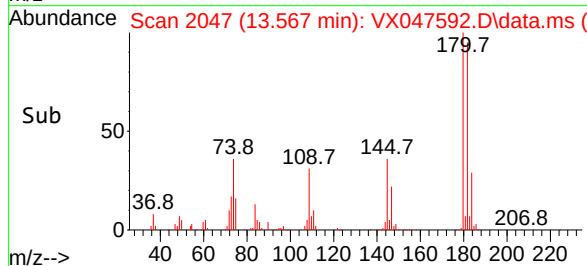
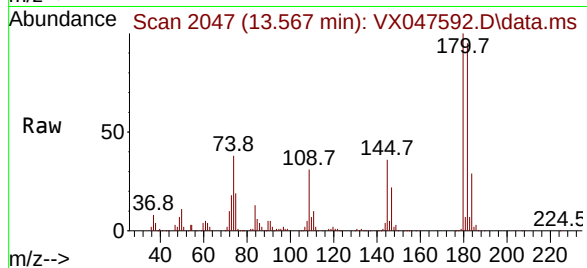
ICVVX091625

Tgt Ion:180	Resp:	15333
Ion Ratio	Lower	Upper
180	100	
182	93.1	46.6 139.8
145	33.3	16.4 49.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#94

Hexachlorobutadiene

Concen: 52.131 ug/l

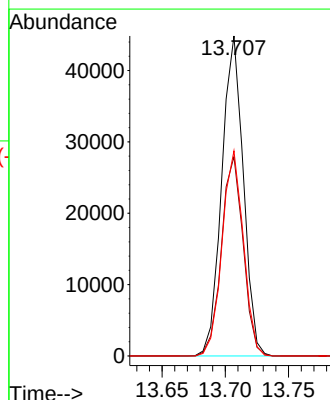
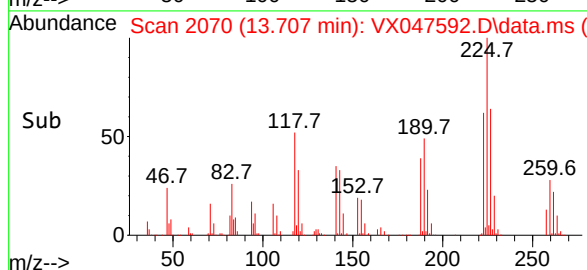
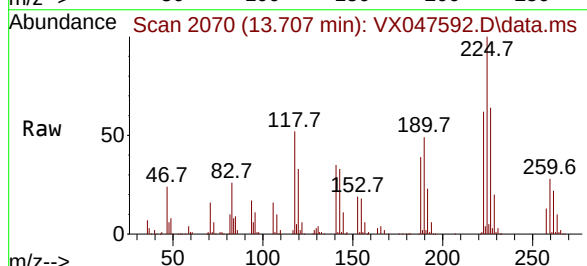
RT: 13.707 min Scan# 2070

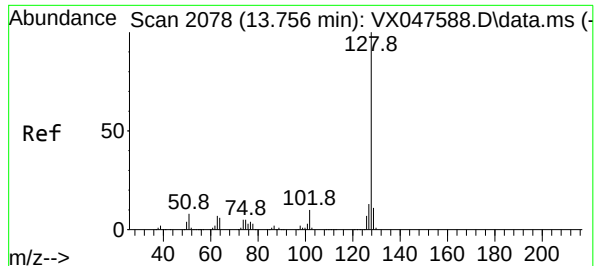
Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Tgt Ion:225	Resp:	53099
Ion Ratio	Lower	Upper
225	100	
223	62.6	31.7 95.1
227	63.3	32.0 96.0





#95

Naphthalene

Concen: 50.836 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVX091625

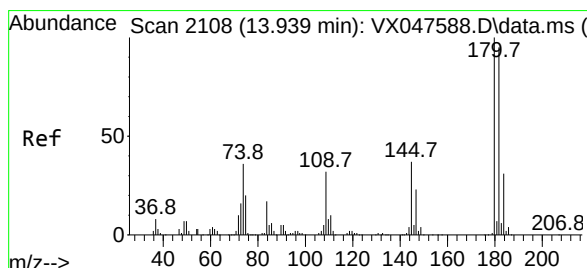
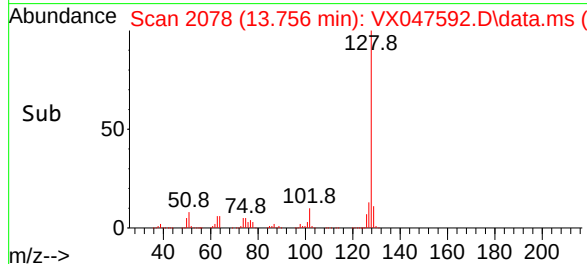
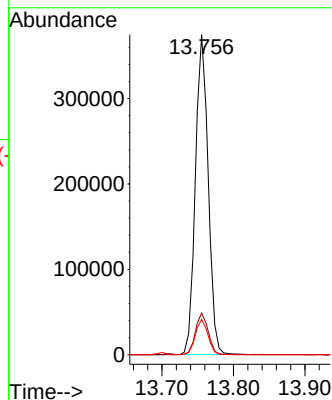
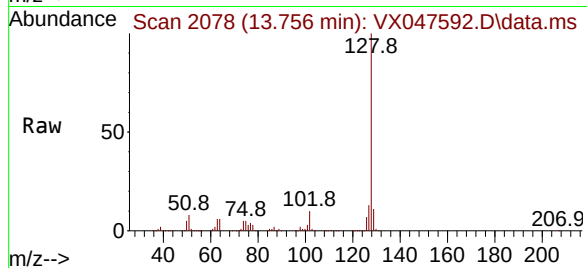
Tgt Ion:	128	Resp:	464200
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/17/2025

Supervised By :Mahesh Dadoda 09/18/2025



#96

1,2,3-Trichlorobenzene

Concen: 51.054 ug/l

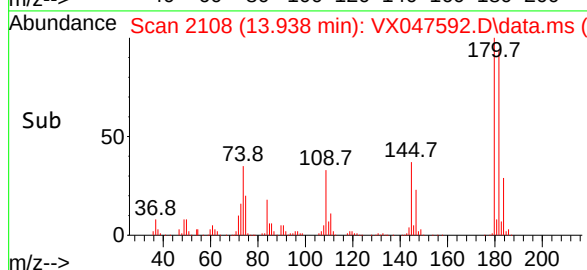
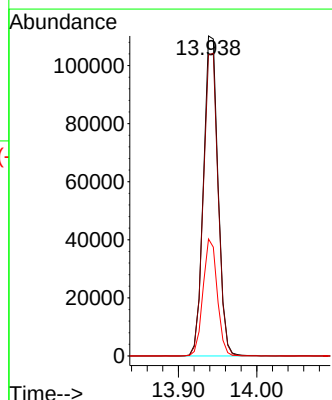
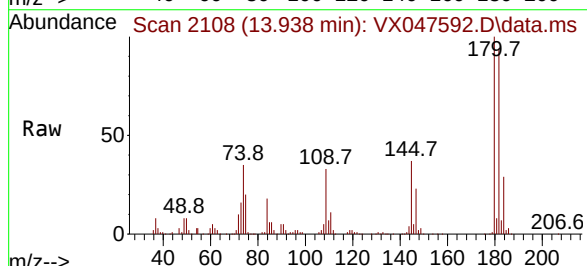
RT: 13.938 min Scan# 2108

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Tgt Ion:	180	Resp:	142413
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.6	142.8
145	35.6	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	108	-0.01
2 T	Dichlorodifluoromethane	0.518	0.462	10.8	99	0.00
3 P	Chloromethane	0.680	0.595	12.5	97	0.00
4 C	Vinyl Chloride	0.666	0.610	8.4#	99	0.00
5 T	Bromomethane	0.422	0.410	2.8	104	0.00
6 T	Chloroethane	0.445	0.415	6.7	101	0.00
7 T	Trichlorofluoromethane	0.989	0.931	5.9	101	0.00
8 T	Diethyl Ether	0.405	0.378	6.7	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.578	0.561	2.9	103	0.00
10 T	Methyl Iodide	0.902	0.834	7.5	98	0.00
11 T	Tert butyl alcohol	0.089	0.091	-2.2	110	0.00
12 CM	1,1-Dichloroethene	0.594	0.559	5.9#	100	0.00
13 T	Acrolein	0.082	0.083	-1.2	110	0.00
14 T	Allyl chloride	1.226	1.146	6.5	102	0.00
15 T	Acrylonitrile	0.328	0.333	-1.5	103	0.00
16 T	Acetone	0.346	0.339	2.0	115	0.00
17 T	Carbon Disulfide	1.626	1.463	10.0	100	0.00
18 T	Methyl Acetate	0.770	0.850	-10.4	104	0.00
19 T	Methyl tert-butyl Ether	2.169	2.105	3.0	101	0.00
20 T	Methylene Chloride	0.732	0.674	7.9	99	0.00
21 T	trans-1,2-Dichloroethene	0.640	0.597	6.7	99	0.00
22 T	Diisopropyl ether	2.376	2.289	3.7	99	-0.01
23 T	Vinyl Acetate	1.901	1.867	1.8	101	0.00
24 P	1,1-Dichloroethane	1.263	1.213	4.0	101	0.00
25 T	2-Butanone	0.432	0.438	-1.4	107	0.00
26 T	2,2-Dichloropropane	1.050	1.039	1.0	105	0.00
27 T	cis-1,2-Dichloroethene	0.783	0.765	2.3	102	0.00
28 T	Bromochloromethane	0.551	0.514	6.7	96	-0.01
29 T	Tetrahydrofuran	0.260	0.263	-1.2	103	0.00
30 C	Chloroform	1.276	1.244	2.5#	101	0.00
31 T	Cyclohexane	1.052	0.968	8.0	101	0.00
32 T	1,1,1-Trichloroethane	1.082	1.060	2.0	101	0.00
33 S	1,2-Dichloroethane-d4	0.796	0.725	8.9	101	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	108	0.00
35 S	Dibromofluoromethane	0.335	0.306	8.7	100	0.00
36 T	1,1-Dichloropropene	0.490	0.457	6.7	101	0.00
37 T	Ethyl Acetate	0.525	0.517	1.5	105	-0.01
38 T	Carbon Tetrachloride	0.532	0.500	6.0	100	-0.01
39 T	Methylcyclohexane	0.556	0.541	2.7	103	0.00
40 TM	Benzene	1.488	1.410	5.2	100	0.00
41 T	Methacrylonitrile	0.271	0.274	-1.1	103	0.00
42 TM	1,2-Dichloroethane	0.566	0.531	6.2	98	0.00
43 T	Isopropyl Acetate	0.860	0.846	1.6	102	0.00
44 TM	Trichloroethene	0.360	0.346	3.9	101	0.00
45 C	1,2-Dichloropropane	0.381	0.366	3.9#	100	0.00
46 T	Dibromomethane	0.277	0.266	4.0	100	0.00
47 T	Bromodichloromethane	0.572	0.558	2.4	99	0.00
48 T	Methyl methacrylate	0.429	0.427	0.5	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	0.004	0.005	-25.0	106	0.00
50 S	Toluene-d8	1.160	1.077	7.2	101	0.00
51 T	4-Methyl-2-Pentanone	0.477	0.488	-2.3	103	0.00
52 CM	Toluene	0.917	0.883	3.7#	101	0.00
53 T	t-1,3-Dichloropropene	0.584	0.578	1.0	101	0.00
54 T	cis-1,3-Dichloropropene	0.624	0.615	1.4	102	0.00
55 T	1,1,2-Trichloroethane	0.354	0.338	4.5	99	0.00
56 T	Ethyl methacrylate	0.555	0.572	-3.1	103	0.00
57 T	1,3-Dichloropropane	0.607	0.594	2.1	101	0.00
58 T	2-Chloroethyl Vinyl ether	0.227	0.238	-4.8	94	0.00
59 T	2-Hexanone	0.343	0.347	-1.2	104	0.00
60 T	Dibromochloromethane	0.407	0.406	0.2	101	0.00
61 T	1,2-Dibromoethane	0.360	0.355	1.4	101	0.00
62 S	4-Bromofluorobenzene	0.440	0.410	6.8	104	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64 T	Tetrachloroethene	0.326	0.315	3.4	103	0.00
65 PM	Chlorobenzene	1.136	1.103	2.9	100	0.00
66 T	1,1,1,2-Tetrachloroethane	0.392	0.383	2.3	99	0.00
67 C	Ethyl Benzene	1.960	1.953	0.4#	102	0.00
68 T	m/p-Xylenes	0.729	0.722	1.0	101	0.00
69 T	o-Xylene	0.706	0.708	-0.3	101	0.00
70 T	Styrene	1.236	1.225	0.9	101	0.00
71 P	Bromoform	0.293	0.300	-2.4	102	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00
73 T	Isopropylbenzene	3.801	3.762	1.0	101	0.00
74 T	N-amyl acetate	1.733	1.746	-0.8	102	0.00
75 P	1,1,2,2-Tetrachloroethane	1.150	1.147	0.3	102	0.00
76 T	1,2,3-Trichloropropane	1.012	1.076	-6.3	104	0.00
77 T	Bromobenzene	0.936	0.902	3.6	100	0.00
78 T	n-propylbenzene	4.494	4.430	1.4	101	0.00
79 T	2-Chlorotoluene	2.752	2.704	1.7	101	0.00
80 T	1,3,5-Trimethylbenzene	3.123	3.127	-0.1	102	0.00
81 T	trans-1,4-Dichloro-2-butene	0.397	0.401	-1.0	106	0.00
82 T	4-Chlorotoluene	3.251	3.196	1.7	101	0.00
83 T	tert-Butylbenzene	3.197	3.177	0.6	103	0.00
84 T	1,2,4-Trimethylbenzene	3.166	3.161	0.2	103	0.00
85 T	sec-Butylbenzene	3.797	3.805	-0.2	103	0.00
86 T	p-Isopropyltoluene	3.215	3.206	0.3	102	0.00
87 T	1,3-Dichlorobenzene	1.739	1.705	2.0	102	0.00
88 T	1,4-Dichlorobenzene	1.785	1.749	2.0	104	0.00
89 T	n-Butylbenzene	2.975	3.020	-1.5	105	0.00
90 T	Hexachloroethane	0.564	0.573	-1.6	105	0.00
91 T	1,2-Dichlorobenzene	1.657	1.634	1.4	102	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.233	0.237	-1.7	102	0.00
93 T	1,2,4-Trichlorobenzene	1.077	1.101	-2.2	104	0.00
94 T	Hexachlorobutadiene	0.366	0.381	-4.1	108	0.00
95 T	Naphthalene	3.279	3.334	-1.7	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	1.023	-2.1	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	108	-0.01
2 T	Dichlorodifluoromethane	50.000	44.592	10.8	99	0.00
3 P	Chloromethane	50.000	43.710	12.6	97	0.00
4 C	Vinyl Chloride	50.000	45.783	8.4#	99	0.00
5 T	Bromomethane	50.000	48.489	3.0	104	0.00
6 T	Chloroethane	50.000	46.575	6.8	101	0.00
7 T	Trichlorofluoromethane	50.000	47.074	5.9	101	0.00
8 T	Diethyl Ether	50.000	46.693	6.6	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.524	3.0	103	0.00
10 T	Methyl Iodide	50.000	46.210	7.6	98	0.00
11 T	Tert butyl alcohol	250.000	256.271	-2.5	110	0.00
12 CM	1,1-Dichloroethene	50.000	47.076	5.8#	100	0.00
13 T	Acrolein	250.000	254.867	-1.9	110	0.00
14 T	Allyl chloride	50.000	46.742	6.5	102	0.00
15 T	Acrylonitrile	250.000	253.567	-1.4	103	0.00
16 T	Acetone	250.000	245.006	2.0	115	0.00
17 T	Carbon Disulfide	50.000	44.966	10.1	100	0.00
18 T	Methyl Acetate	50.000	55.175	-10.3	104	0.00
19 T	Methyl tert-butyl Ether	50.000	48.538	2.9	101	0.00
20 T	Methylene Chloride	50.000	46.000	8.0	99	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.709	6.6	99	0.00
22 T	Diisopropyl ether	50.000	48.174	3.7	99	-0.01
23 T	Vinyl Acetate	250.000	245.539	1.8	101	0.00
24 P	1,1-Dichloroethane	50.000	48.041	3.9	101	0.00
25 T	2-Butanone	250.000	253.598	-1.4	107	0.00
26 T	2,2-Dichloropropane	50.000	49.494	1.0	105	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.826	2.3	102	0.00
28 T	Bromochloromethane	50.000	46.586	6.8	96	-0.01
29 T	Tetrahydrofuran	250.000	253.375	-1.4	103	0.00
30 C	Chloroform	50.000	48.739	2.5#	101	0.00
31 T	Cyclohexane	50.000	45.999	8.0	101	0.00
32 T	1,1,1-Trichloroethane	50.000	48.978	2.0	101	0.00
33 S	1,2-Dichloroethane-d4	50.000	45.550	8.9	101	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	108	0.00
35 S	Dibromofluoromethane	50.000	45.559	8.9	100	0.00
36 T	1,1-Dichloropropene	50.000	46.663	6.7	101	0.00
37 T	Ethyl Acetate	50.000	49.241	1.5	105	-0.01
38 T	Carbon Tetrachloride	50.000	46.935	6.1	100	-0.01
39 T	Methylcyclohexane	50.000	48.597	2.8	103	0.00
40 TM	Benzene	50.000	47.357	5.3	100	0.00
41 T	Methacrylonitrile	50.000	50.490	-1.0	103	0.00
42 TM	1,2-Dichloroethane	50.000	46.867	6.3	98	0.00
43 T	Isopropyl Acetate	50.000	49.136	1.7	102	0.00
44 TM	Trichloroethene	50.000	48.037	3.9	101	0.00
45 C	1,2-Dichloropropane	50.000	48.053	3.9#	100	0.00
46 T	Dibromomethane	50.000	47.976	4.0	100	0.00
47 T	Bromodichloromethane	50.000	48.769	2.5	99	0.00
48 T	Methyl methacrylate	50.000	49.757	0.5	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1089.520	-9.0	106	0.00
50 S	Toluene-d8	50.000	46.411	7.2	101	0.00
51 T	4-Methyl-2-Pentanone	250.000	255.752	-2.3	103	0.00
52 CM	Toluene	50.000	48.130	3.7#	101	0.00
53 T	t-1,3-Dichloropropene	50.000	49.527	0.9	101	0.00
54 T	cis-1,3-Dichloropropene	50.000	49.257	1.5	102	0.00
55 T	1,1,2-Trichloroethane	50.000	47.772	4.5	99	0.00
56 T	Ethyl methacrylate	50.000	51.490	-3.0	103	0.00
57 T	1,3-Dichloropropane	50.000	48.894	2.2	101	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	225.562	9.8	94	0.00
59 T	2-Hexanone	250.000	253.126	-1.3	104	0.00
60 T	Dibromochloromethane	50.000	49.824	0.4	101	0.00
61 T	1,2-Dibromoethane	50.000	49.297	1.4	101	0.00
62 S	4-Bromofluorobenzene	50.000	46.520	7.0	104	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64 T	Tetrachloroethene	50.000	48.296	3.4	103	0.00
65 PM	Chlorobenzene	50.000	48.549	2.9	100	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.794	2.4	99	0.00
67 C	Ethyl Benzene	50.000	49.813	0.4#	102	0.00
68 T	m/p-Xylenes	100.000	98.956	1.0	101	0.00
69 T	o-Xylene	50.000	50.159	-0.3	101	0.00
70 T	Styrene	50.000	49.536	0.9	101	0.00
71 P	Bromoform	50.000	51.207	-2.4	102	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	109	0.00
73 T	Isopropylbenzene	50.000	49.479	1.0	101	0.00
74 T	N-ethyl acetate	50.000	50.375	-0.8	102	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.851	0.3	102	0.00
76 T	1,2,3-Trichloropropane	50.000	53.124	-6.2	104	0.00
77 T	Bromobenzene	50.000	48.173	3.7	100	0.00
78 T	n-propylbenzene	50.000	49.295	1.4	101	0.00
79 T	2-Chlorotoluene	50.000	49.117	1.8	101	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.055	-0.1	102	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.543	-1.1	106	0.00
82 T	4-Chlorotoluene	50.000	49.164	1.7	101	0.00
83 T	tert-Butylbenzene	50.000	49.679	0.6	103	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.911	0.2	103	0.00
85 T	sec-Butylbenzene	50.000	50.100	-0.2	103	0.00
86 T	p-Isopropyltoluene	50.000	49.861	0.3	102	0.00
87 T	1,3-Dichlorobenzene	50.000	49.014	2.0	102	0.00
88 T	1,4-Dichlorobenzene	50.000	49.011	2.0	104	0.00
89 T	n-Butylbenzene	50.000	50.752	-1.5	105	0.00
90 T	Hexachloroethane	50.000	50.732	-1.5	105	0.00
91 T	1,2-Dichlorobenzene	50.000	49.304	1.4	102	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.918	-1.8	102	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.133	-2.3	104	0.00
94 T	Hexachlorobutadiene	50.000	52.131	-4.3	108	0.00
95 T	Naphthalene	50.000	50.836	-1.7	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	51.054	-2.1	102	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:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3165</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/25/2025</u> <u>08:56</u>
Lab File ID:	<u>VX047795.D</u>	Init. Calib. Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23</u> <u>12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.627		21.04	20
Chloromethane	0.680	0.789	0.1	16.03	20
Vinyl Chloride	0.666	0.779		16.97	20
Bromomethane	0.422	0.471		11.61	20
Chloroethane	0.445	0.495		11.24	20
Trichlorofluoromethane	0.989	1.083		9.51	20
1,1,2-Trichlorotrifluoroethane	0.578	0.618		6.92	20
1,1-Dichloroethene	0.594	0.663		11.62	20
Acetone	0.346	0.336		-2.89	20
Carbon Disulfide	1.626	1.765		8.55	20
Methyl tert-butyl Ether	2.169	2.414		11.3	20
Methyl Acetate	0.770	0.985		27.92	20
Methylene Chloride	0.732	0.817		11.61	20
trans-1,2-Dichloroethene	0.640	0.703		9.84	20
1,1-Dichloroethane	1.263	1.370	0.1	8.47	20
Cyclohexane	1.052	1.056		0.38	20
2-Butanone	0.432	0.496		14.81	20
Carbon Tetrachloride	0.532	0.538		1.13	20
cis-1,2-Dichloroethene	0.783	0.854		9.07	20
Bromochloromethane	0.551	0.621		12.7	20
Chloroform	1.276	1.421		11.36	20
1,1,1-Trichloroethane	1.082	1.142		5.55	20
Methylcyclohexane	0.556	0.530		-4.68	20
Benzene	1.488	1.598		7.39	20
1,2-Dichloroethane	0.566	0.594		4.95	20
Trichloroethene	0.360	0.380		5.56	20
1,2-Dichloropropane	0.381	0.418		9.71	20
Bromodichloromethane	0.572	0.613		7.17	20
4-Methyl-2-Pentanone	0.477	0.566		18.66	20
Toluene	0.917	0.962		4.91	20
t-1,3-Dichloropropene	0.584	0.544		-6.85	20
cis-1,3-Dichloropropene	0.624	0.601		-3.69	20
1,1,2-Trichloroethane	0.354	0.390		10.17	20
2-Hexanone	0.343	0.392		14.29	20
Dibromochloromethane	0.407	0.449		10.32	20
1,2-Dibromoethane	0.360	0.409		13.61	20
Tetrachloroethene	0.326	0.353		8.28	20
Chlorobenzene	1.136	1.192	0.3	4.93	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:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3165</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/25/2025</u> <u>08:56</u>
Lab File ID:	<u>VX047795.D</u>	Init. Calib. Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23</u> <u>12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.012		2.65	20
m/p-Xylenes	0.729	0.757		3.84	20
o-Xylene	0.706	0.737		4.39	20
Styrene	1.236	1.303		5.42	20
Bromoform	0.293	0.318	0.1	8.53	20
Isopropylbenzene	3.801	3.828		0.71	20
1,1,2,2-Tetrachloroethane	1.150	1.273	0.3	10.7	20
1,3-Dichlorobenzene	1.739	1.748		0.52	20
1,4-Dichlorobenzene	1.785	1.750		-1.96	20
1,2-Dichlorobenzene	1.657	1.689		1.93	20
1,2-Dibromo-3-Chloropropane	0.233	0.250		7.3	20
1,2,4-Trichlorobenzene	1.077	1.039		-3.53	20
1,2,3-Trichlorobenzene	1.002	1.016		1.4	20
1,2-Dichloroethane-d4	0.796	0.817		2.64	20
Dibromofluoromethane	0.335	0.351		4.78	20
Toluene-d8	1.160	1.182		1.9	20
4-Bromofluorobenzene	0.440	0.443		0.68	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\VX092525\
 Data File : VX047795.D
 Acq On : 25 Sep 2025 08:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 26 01:20:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/26/2025
 Supervised By : Mahesh Dadoda 09/29/2025

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	136107	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	245940	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	220262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	107538	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.934	65	111151	51.305	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.600%	
35) Dibromofluoromethane	5.367	113	86395	52.379	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.760%	
50) Toluene-d8	8.629	98	290687	50.933	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.860%	
62) 4-Bromofluorobenzene	11.061	95	108988	50.317	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.640%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	85355	60.561	ug/l	98
3) Chloromethane	1.301	50	107444	58.004	ug/l	100
4) Vinyl Chloride	1.380	62	105978	58.447	ug/l	99
5) Bromomethane	1.611	94	64102	55.750	ug/l	100
6) Chloroethane	1.691	64	67339	55.564	ug/l	99
7) Trichlorofluoromethane	1.892	101	147449	54.767	ug/l	100
8) Diethyl Ether	2.136	74	61356	55.711	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	84112	53.429	ug/l	99
10) Methyl Iodide	2.453	142	131184	53.431	ug/l	99
11) Tert butyl alcohol	2.941	59	67880	281.323	ug/l	99
12) 1,1-Dichloroethene	2.319	96	90179	55.766	ug/l	99
13) Acrolein	2.233	56	64908	291.917	ug/l	99
14) Allyl chloride	2.660	41	163527	49.005	ug/l	96
15) Acrylonitrile	3.056	53	281907	315.422	ug/l	98
16) Acetone	2.374	43	228516	242.588	ug/l	96
17) Carbon Disulfide	2.514	76	240263	54.273	ug/l	99
18) Methyl Acetate	2.697	43	134060	63.948	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	328607	55.667	ug/l	97
20) Methylene Chloride	2.788	84	111197	55.767	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	95656	54.943	ug/l	97
22) Diisopropyl ether	3.745	45	356628	55.145	ug/l #	84
23) Vinyl Acetate	3.709	43	1440799	278.368	ug/l	99
24) 1,1-Dichloroethane	3.599	63	186425	54.236	ug/l	99
25) 2-Butanone	4.538	43	337440	287.179	ug/l	96
26) 2,2-Dichloropropane	4.459	77	73225	25.628	ug/l	93
27) cis-1,2-Dichloroethene	4.471	96	116288	54.540	ug/l	93
28) Bromochloromethane	4.879	49	84484	56.300	ug/l	99
29) Tetrahydrofuran	4.983	42	217295	307.408	ug/l	99
30) Chloroform	5.074	83	193461	55.697	ug/l	98
31) Cyclohexane	5.452	56	143723	50.203	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	155394	52.743	ug/l	100
36) 1,1-Dichloropropene	5.672	75	119329	49.510	ug/l	98
37) Ethyl Acetate	4.690	43	144473	55.984	ug/l	98
38) Carbon Tetrachloride	5.660	117	132383	50.553	ug/l	95
39) Methylcyclohexane	7.360	83	130264	47.613	ug/l	98
40) Benzene	6.019	78	393020	53.689	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047795.D
 Acq On : 25 Sep 2025 08:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 26 01:20:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/26/2025
 Supervised By :Mahesh Dadoda 09/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	77739	58.352	ug/l	99
42) 1,2-Dichloroethane	6.068	62	146101	52.455	ug/l	98
43) Isopropyl Acetate	6.318	43	231987	54.813	ug/l	99
44) Trichloroethene	7.104	130	93408	52.779	ug/l	97
45) 1,2-Dichloropropane	7.409	63	102723	54.802	ug/l	99
46) Dibromomethane	7.562	93	73128	53.611	ug/l	95
47) Bromodichloromethane	7.806	83	150738	53.552	ug/l	99
48) Methyl methacrylate	7.677	41	117391	55.683	ug/l	98
49) 1,4-Dioxane	7.641	88	28456	1335.620	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	695695	296.468	ug/l	100
52) Toluene	8.702	92	236487	52.436	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	133747	46.584	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	147846	48.178	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	95832	55.106	ug/l	99
56) Ethyl methacrylate	9.098	69	153461	56.190	ug/l	97
57) 1,3-Dichloropropane	9.293	76	166700	55.801	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	397473	300.637	ug/l	100
59) 2-Hexanone	9.415	43	481760	285.853	ug/l	98
60) Dibromochloromethane	9.506	129	110503	55.147	ug/l	99
61) 1,2-Dibromoethane	9.592	107	100623	56.807	ug/l	99
64) Tetrachloroethene	9.256	164	77730	54.134	ug/l	97
65) Chlorobenzene	10.061	112	262625	52.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	91037	52.723	ug/l	99
67) Ethyl Benzene	10.177	91	443118	51.323	ug/l	100
68) m/p-Xylenes	10.287	106	333476	103.770	ug/l	98
69) o-Xylene	10.622	106	162415	52.252	ug/l	97
70) Styrene	10.640	104	286982	52.692	ug/l	98
71) Bromoform	10.781	173	70044	54.326	ug/l #	98
73) Isopropylbenzene	10.945	105	411651	50.350	ug/l	100
74) N-amyl acetate	10.823	43	197362	52.937	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	136864	55.331	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	108147m	49.670	ug/l	
77) Bromobenzene	11.177	156	104192	51.743	ug/l	96
78) n-propylbenzene	11.287	91	479655	49.629	ug/l	100
79) 2-Chlorotoluene	11.348	91	295615	49.940	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	335426	49.936	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	34506	40.415	ug/l	99
82) 4-Chlorotoluene	11.439	91	346198	49.519	ug/l	99
83) tert-Butylbenzene	11.695	119	328139	47.721	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	342751	50.330	ug/l	99
85) sec-Butylbenzene	11.872	105	399335	48.893	ug/l	99
86) p-Isopropyltoluene	11.988	119	336196	48.621	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	187962	50.255	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	188229	49.035	ug/l	99
89) n-Butylbenzene	12.311	91	299204	46.765	ug/l	99
90) Hexachloroethane	12.518	117	60775	50.062	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	181599	50.965	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	26900	53.714	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	111739	48.251	ug/l	98
94) Hexachlorobutadiene	13.701	225	36360	46.224	ug/l	97
95) Naphthalene	13.756	128	369424	52.388	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	109206	50.695	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047795.D
Acq On : 25 Sep 2025 08:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

Quant Time: Sep 26 01:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

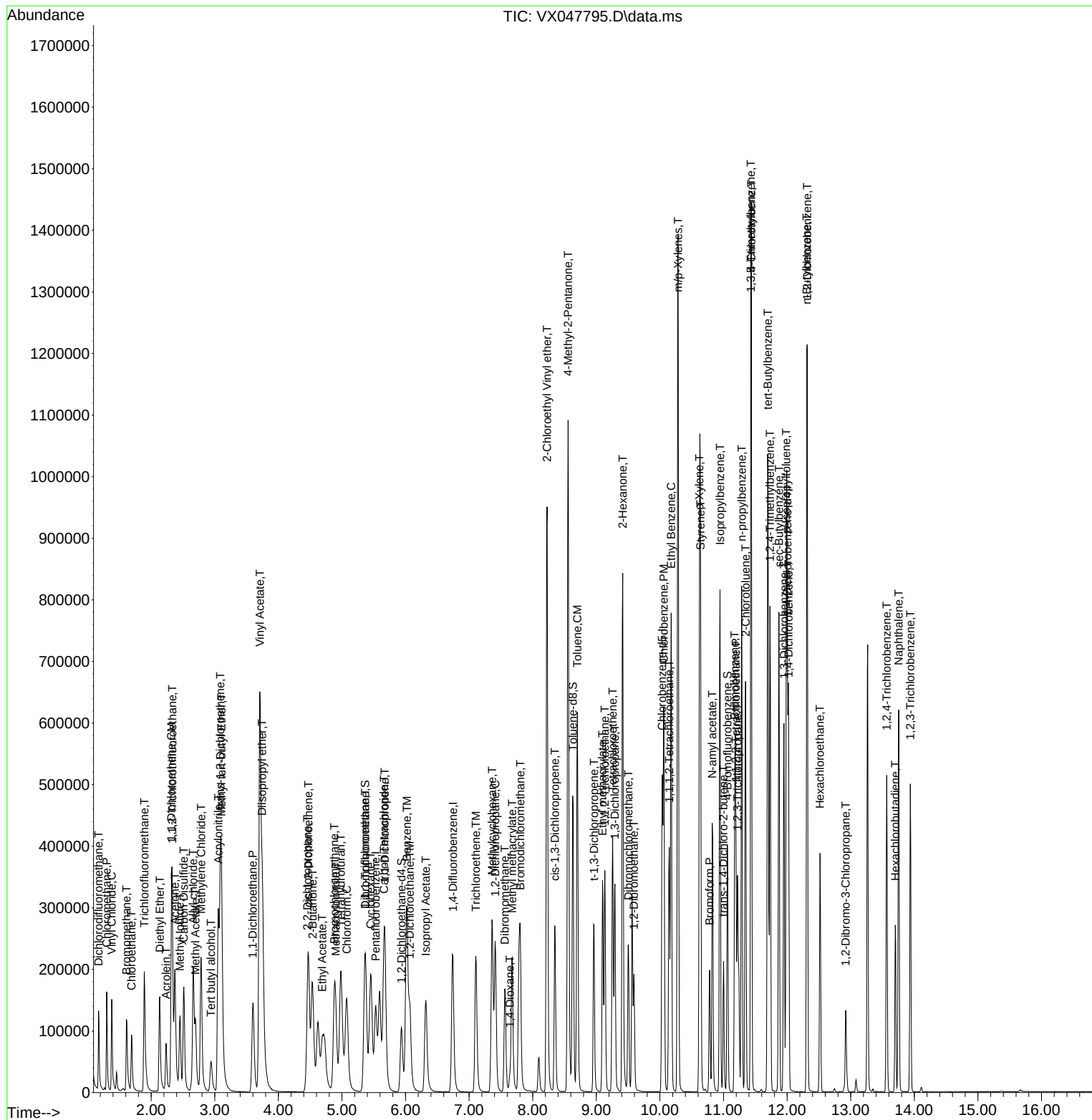
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\  
Data File : VX047795.D  
Acq On    : 25 Sep 2025  08:56  
Operator  : JC/MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 2    Sample Multiplier: 1
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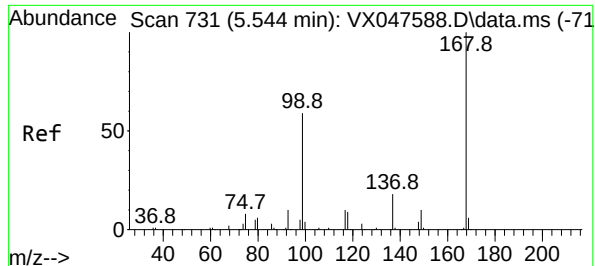
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

Quant Time: Sep 26 01:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration





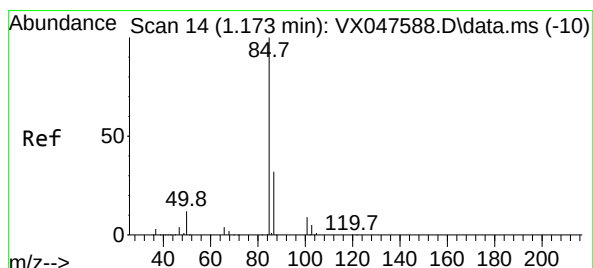
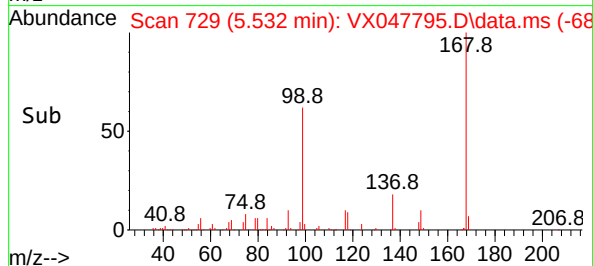
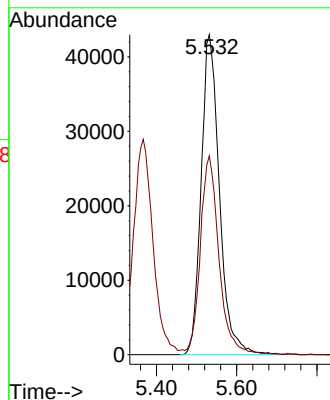
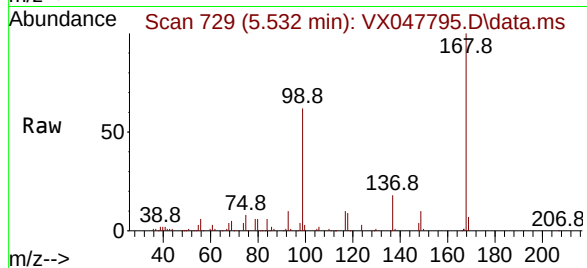
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 13610
Ion Ratio Lower Upper
168 100
99 62.0 48.8 73.2

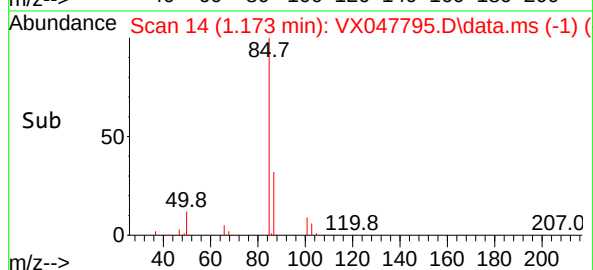
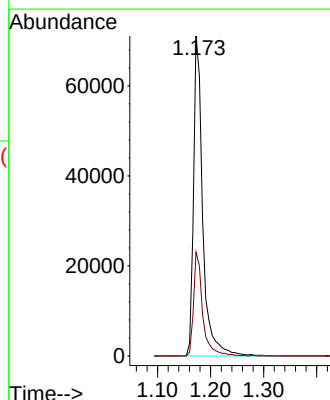
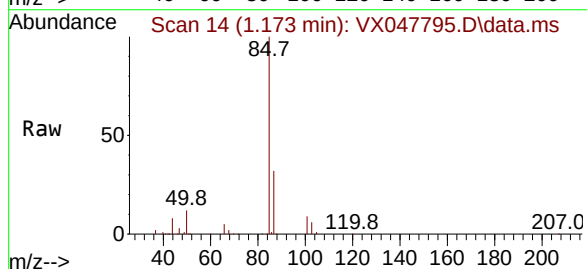
Manual Integrations
APPROVED

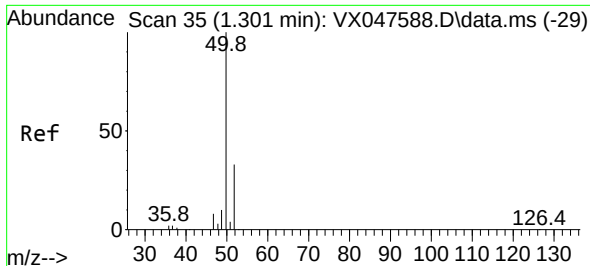
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#2
Dichlorodifluoromethane
Concen: 60.561 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 85 Resp: 85355
Ion Ratio Lower Upper
85 100
87 32.5 15.8 47.3





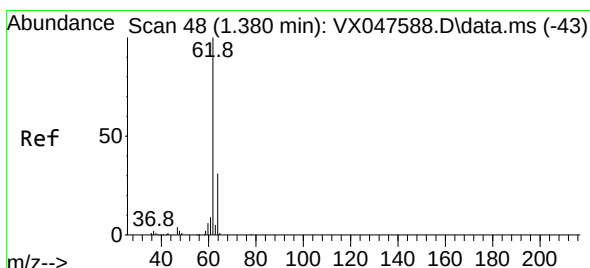
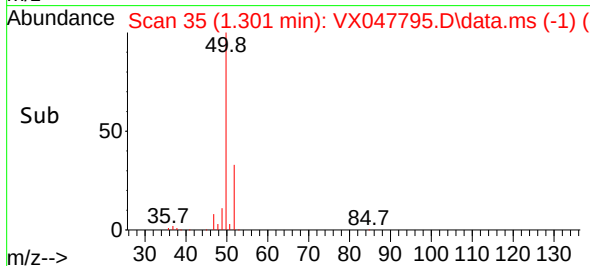
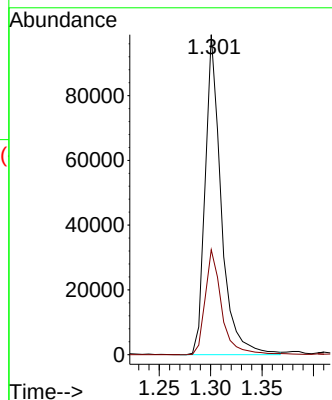
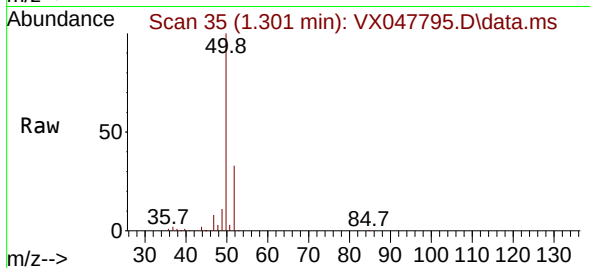
#3
Chloromethane
Concen: 58.004 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 10744
Ion Ratio Lower Upper
50 100
52 32.8 26.1 39.1

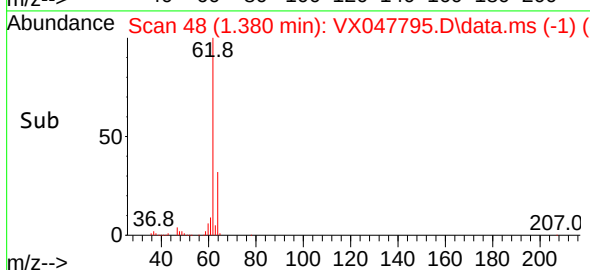
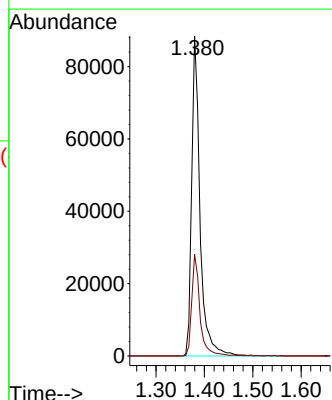
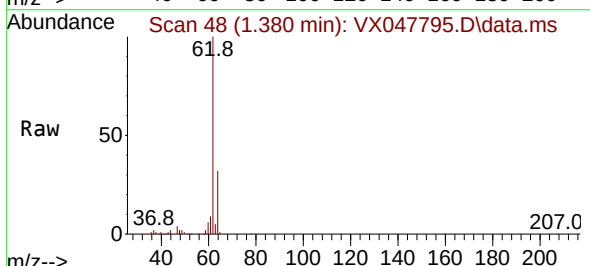
Manual Integrations
APPROVED

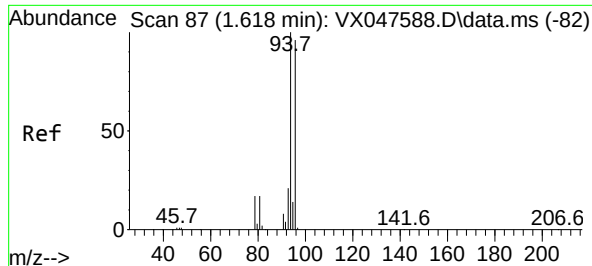
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#4
Vinyl Chloride
Concen: 58.447 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

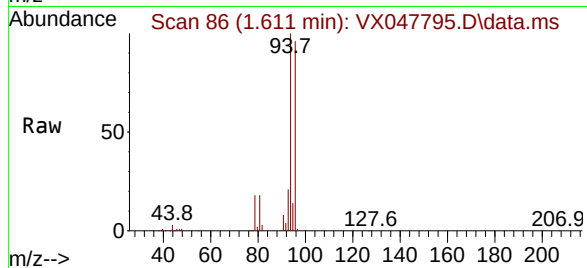
Tgt Ion: 62 Resp: 105978
Ion Ratio Lower Upper
62 100
64 31.8 24.9 37.3





#5
Bromomethane
Concen: 55.750 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

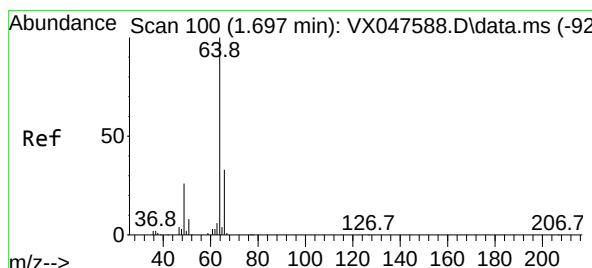
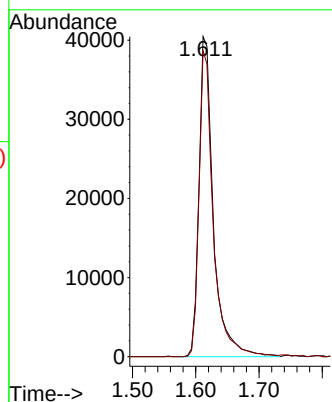
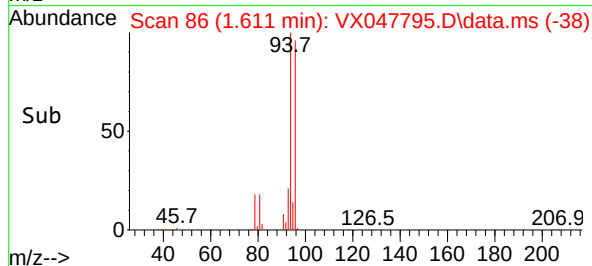
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 6410
Ion Ratio Lower Upper
94 100
96 95.5 76.6 115.0

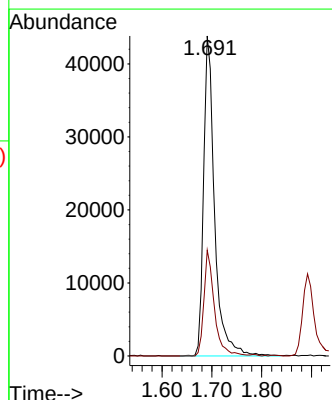
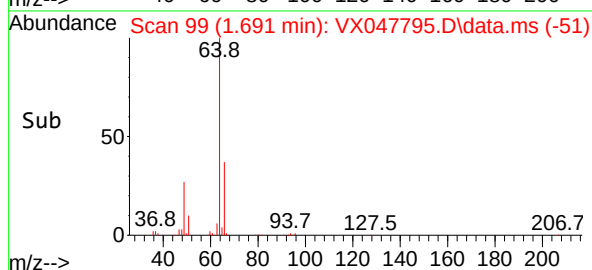
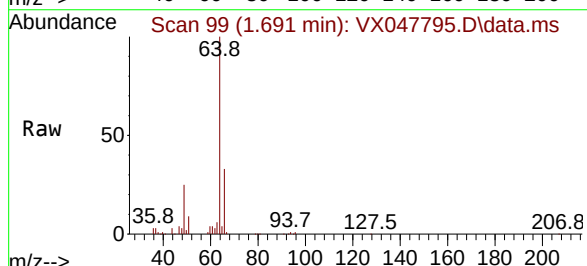
Manual Integrations
APPROVED

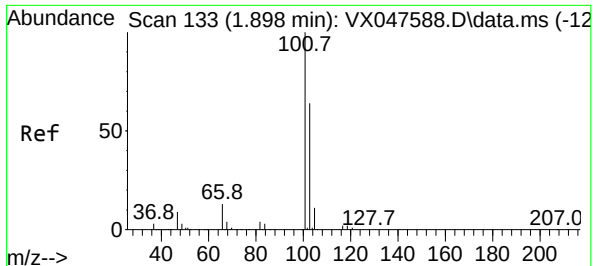
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#6
Chloroethane
Concen: 55.564 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

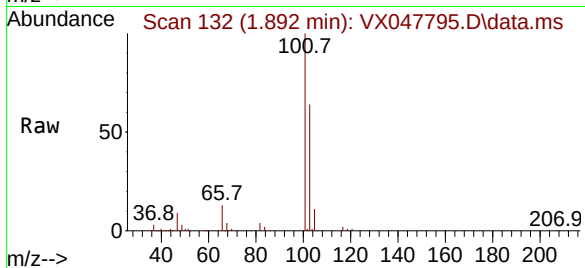
Tgt Ion: 64 Resp: 67339
Ion Ratio Lower Upper
64 100
66 33.1 26.1 39.1





#7
Trichlorofluoromethane
Concen: 54.767 ug/l
RT: 1.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

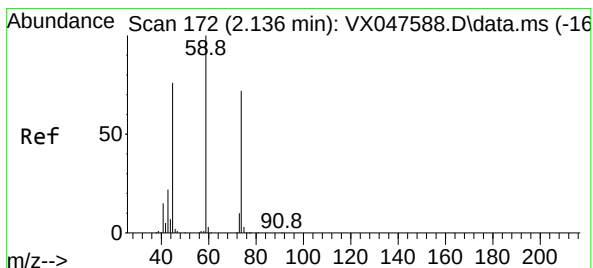
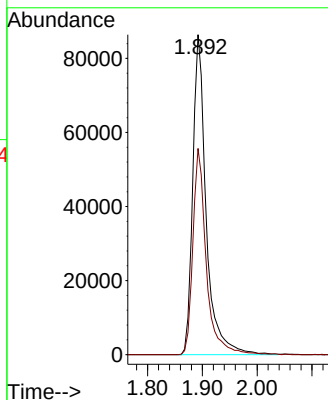
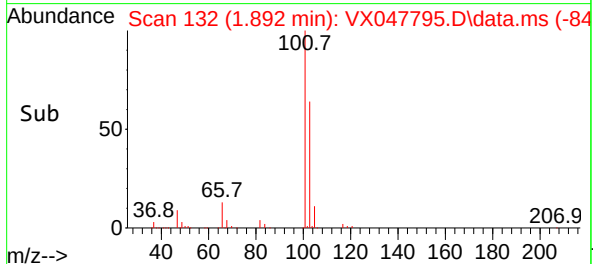
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 147449
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.2

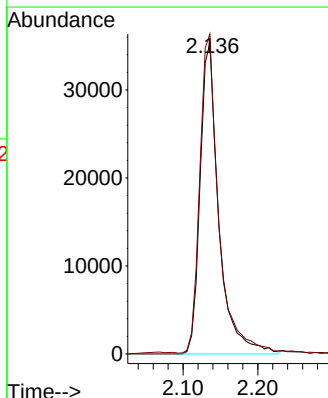
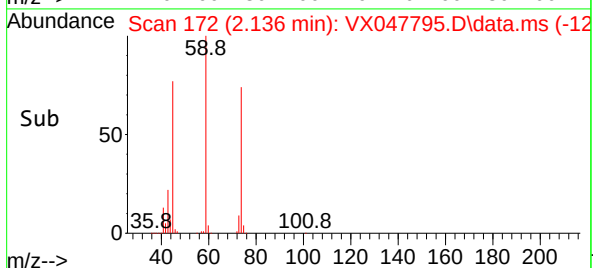
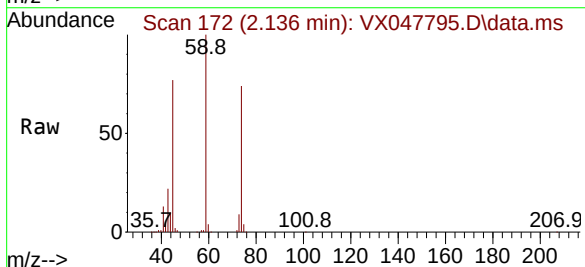
Manual Integrations
APPROVED

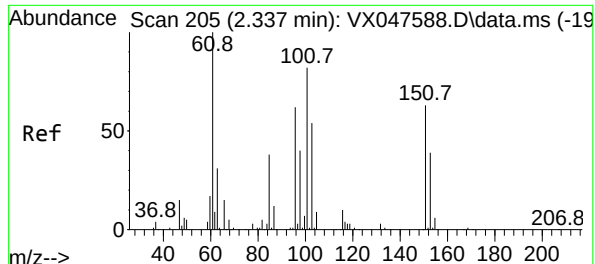
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#8
Diethyl Ether
Concen: 55.711 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 74 Resp: 61356
Ion Ratio Lower Upper
74 100
45 105.9 52.3 156.8





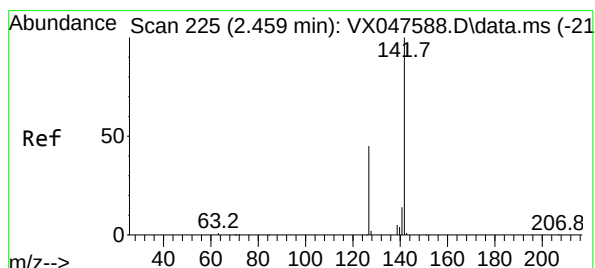
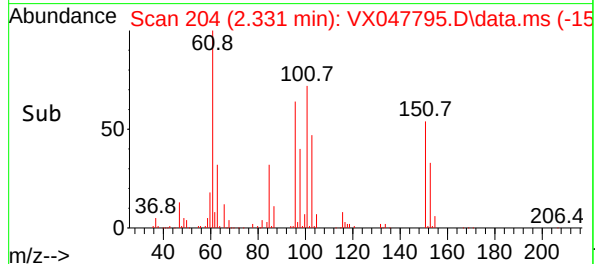
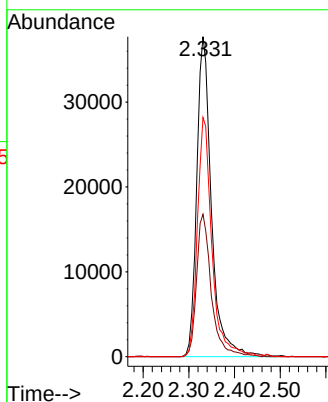
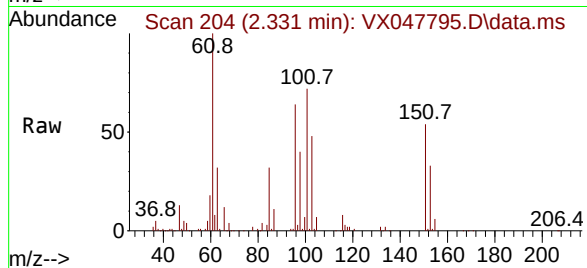
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.429 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 8411
Ion Ratio Lower Upper
101 100
85 44.8 35.5 53.3
151 73.6 59.4 89.0

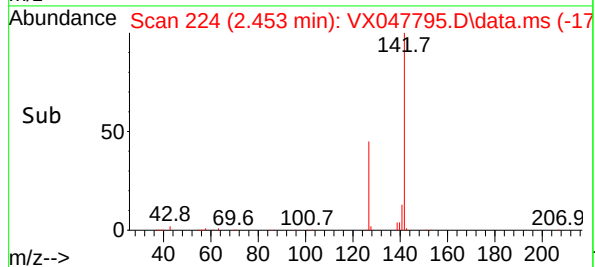
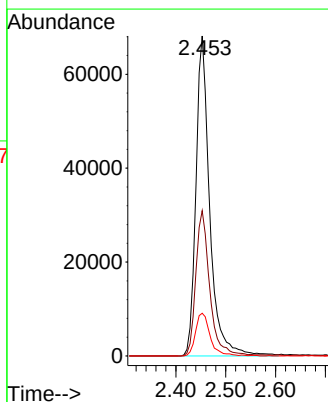
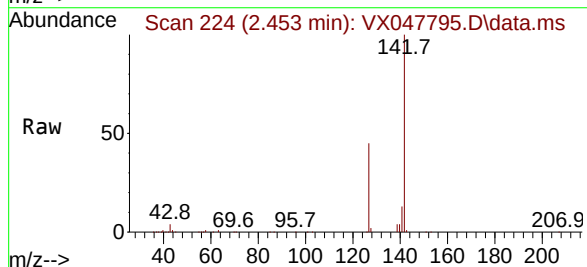
Manual Integrations
APPROVED

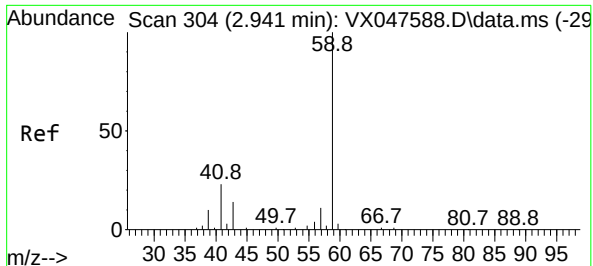
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#10
Methyl Iodide
Concen: 53.431 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion:142 Resp: 131184
Ion Ratio Lower Upper
142 100
127 45.9 37.2 55.8
141 14.2 11.4 17.0





#11

Tert butyl alcohol

Concen: 281.323 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 67880

Ion Ratio Lower Upper

59 100

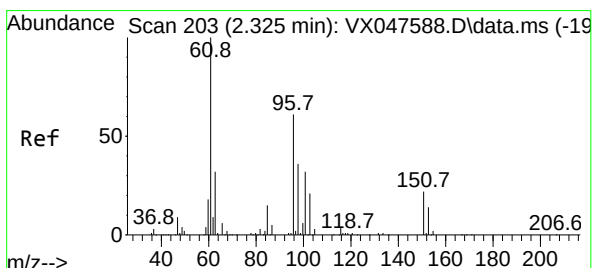
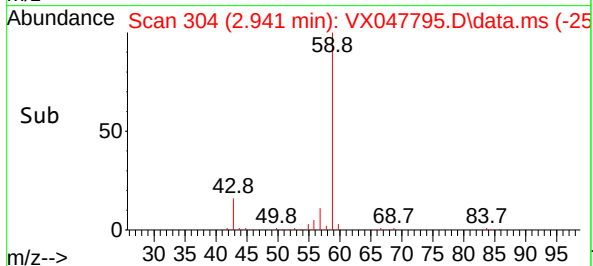
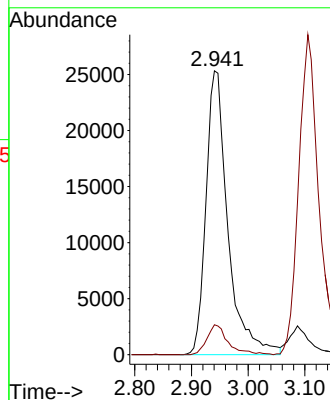
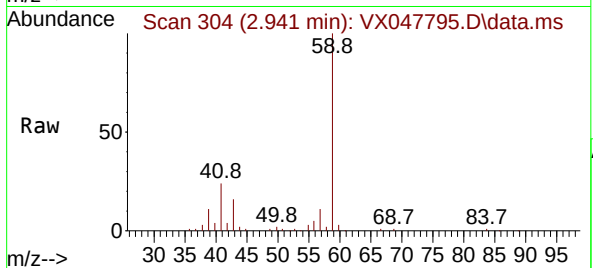
57 10.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#12

1,1-Dichloroethene

Concen: 55.766 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

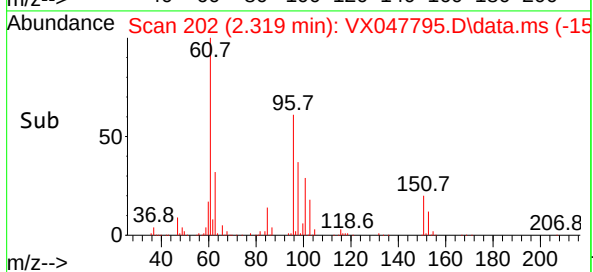
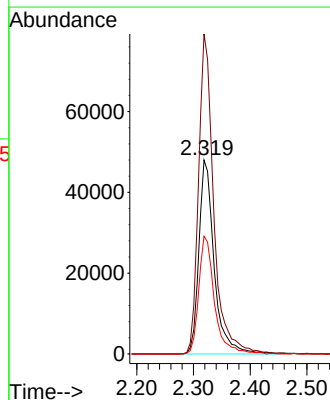
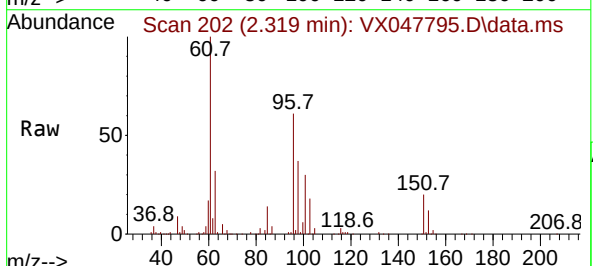
Tgt Ion: 96 Resp: 90179

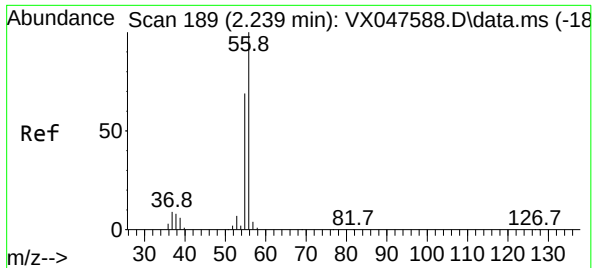
Ion Ratio Lower Upper

96 100

61 165.0 131.0 196.6

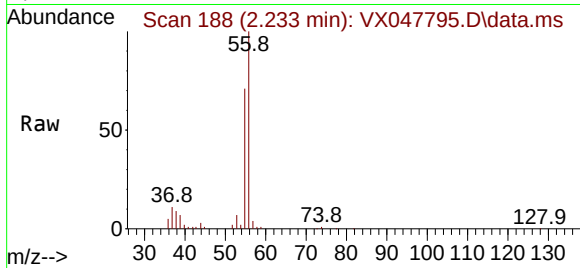
98 60.7 47.7 71.5





#13
Acrolein
Concen: 291.917 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

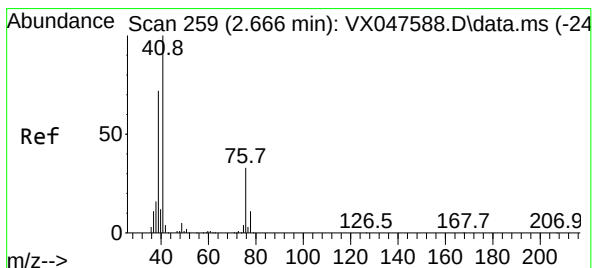
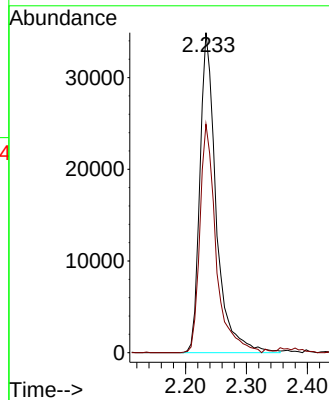
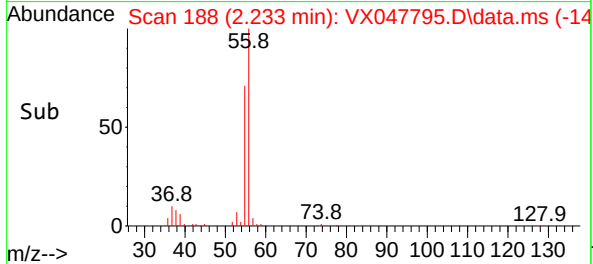
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 64908
Ion Ratio Lower Upper
56 100
55 70.9 57.2 85.8

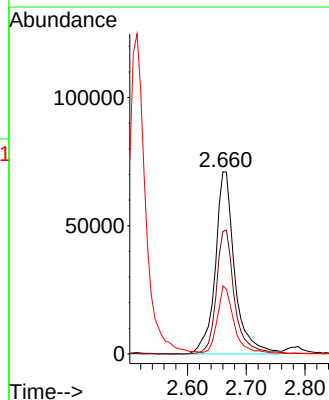
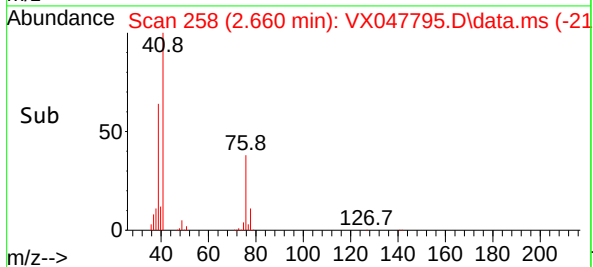
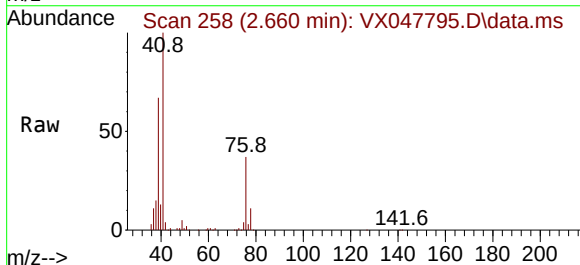
Manual Integrations
APPROVED

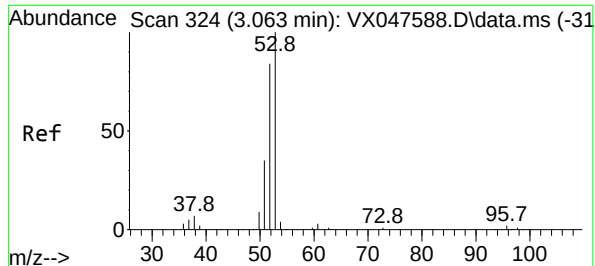
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#14
Allyl chloride
Concen: 49.005 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 41 Resp: 163527
Ion Ratio Lower Upper
41 100
39 63.9 54.7 82.1
76 32.7 25.7 38.5





#15

Acrylonitrile

Concen: 315.422 ug/l

RT: 3.056 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 28190

Ion Ratio Lower Upper

53 100

52 81.4 66.4 99.6

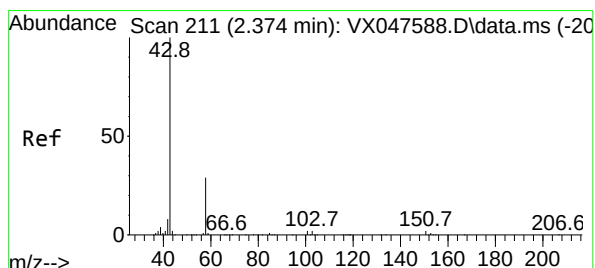
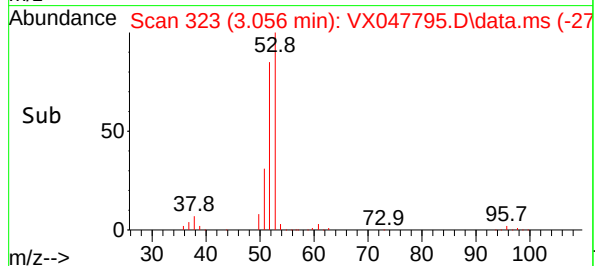
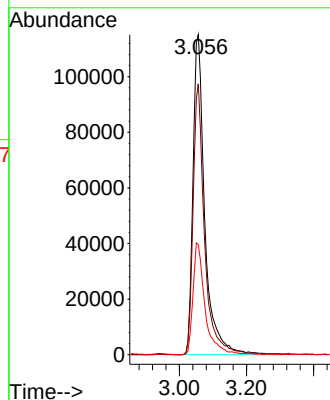
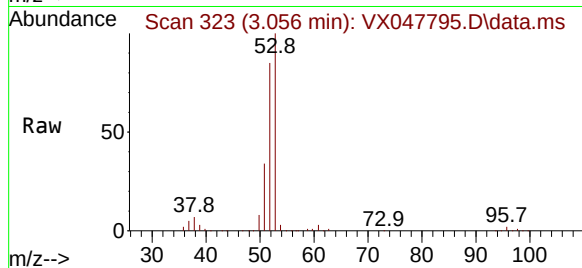
51 35.7 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#16

Acetone

Concen: 242.588 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX047795.D

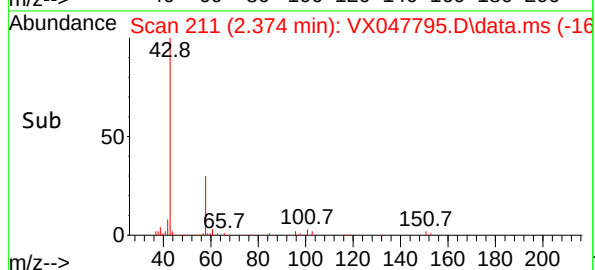
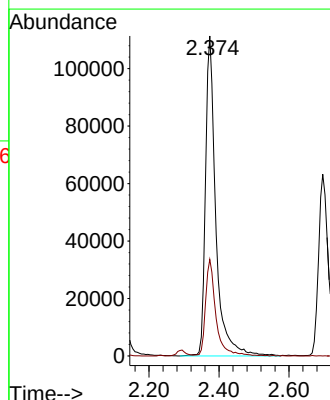
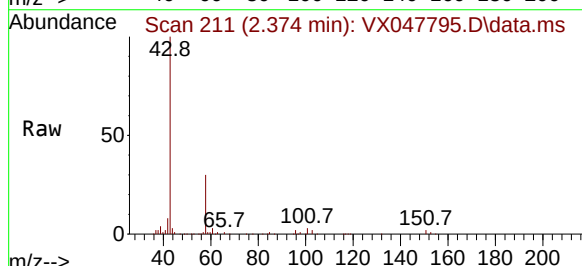
Acq: 25 Sep 2025 08:56

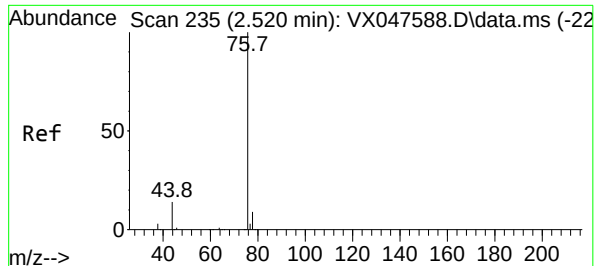
Tgt Ion: 43 Resp: 228516

Ion Ratio Lower Upper

43 100

58 31.1 23.4 35.0





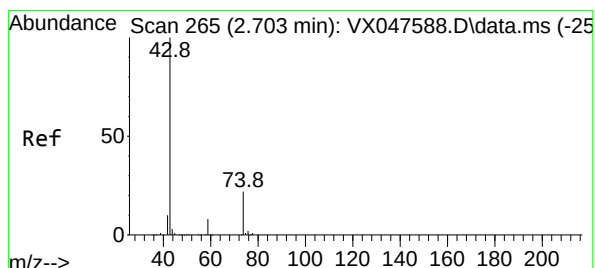
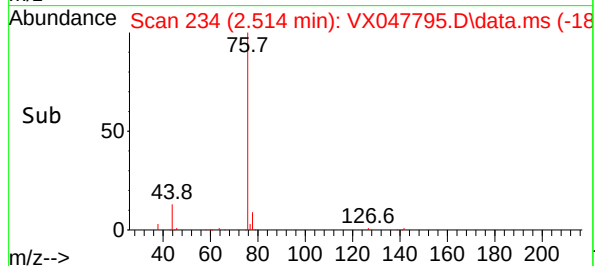
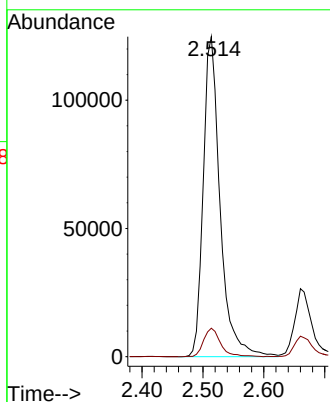
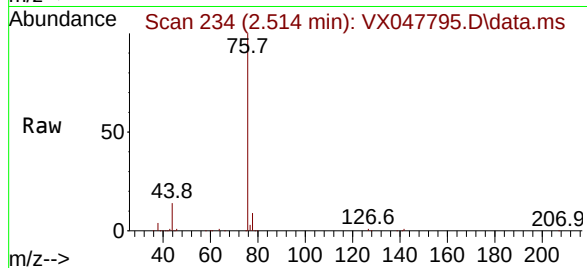
#17
Carbon Disulfide
Concen: 54.273 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 24026
Ion Ratio Lower Upper
76 100
78 8.9 6.8 10.2

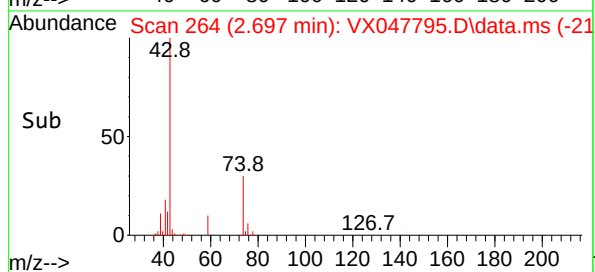
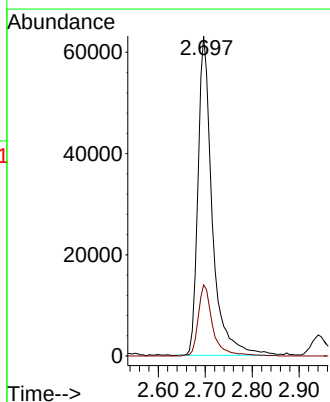
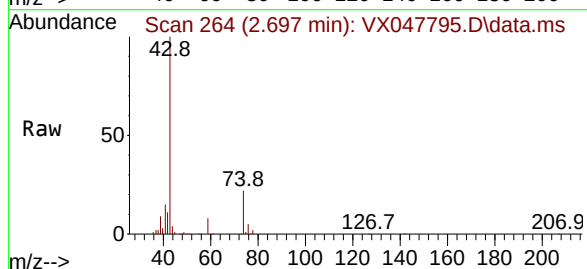
Manual Integrations
APPROVED

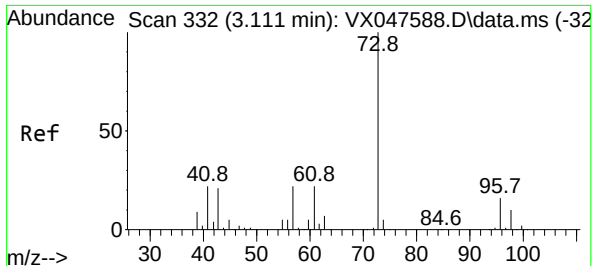
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#18
Methyl Acetate
Concen: 63.948 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 43 Resp: 134060
Ion Ratio Lower Upper
43 100
74 22.5 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 55.667 ug/l

RT: 3.105 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 32860

Ion Ratio Lower Upper

73 100

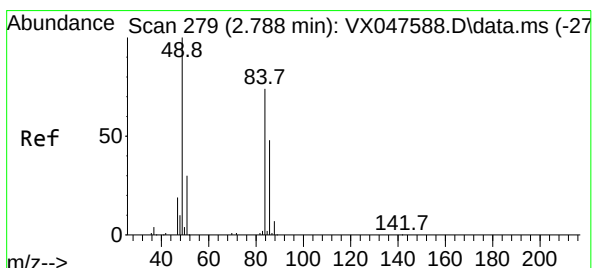
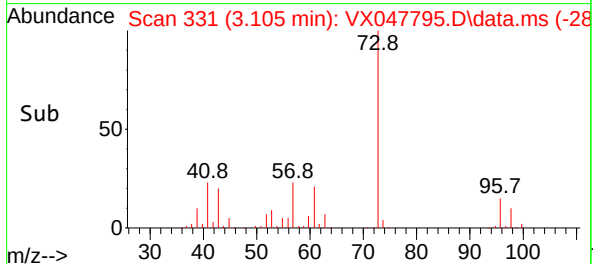
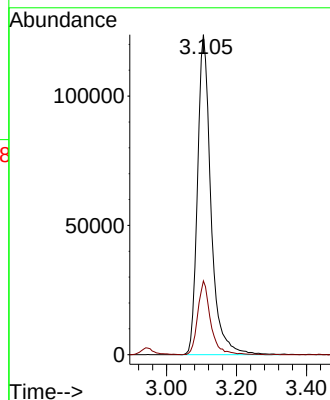
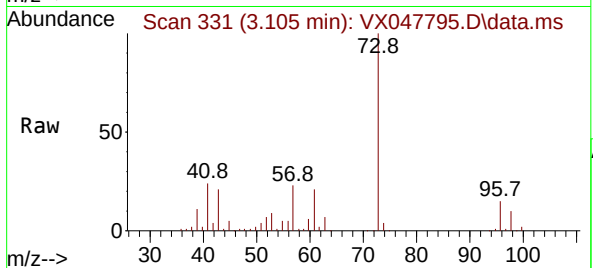
57 23.1 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#20

Methylene Chloride

Concen: 55.767 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Tgt Ion: 84 Resp: 111197

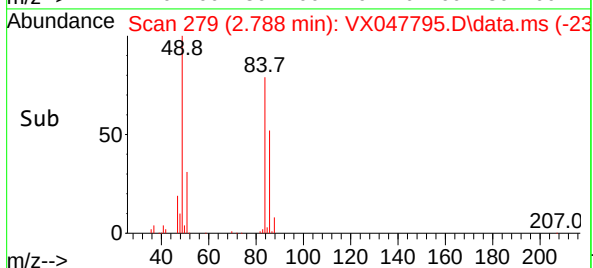
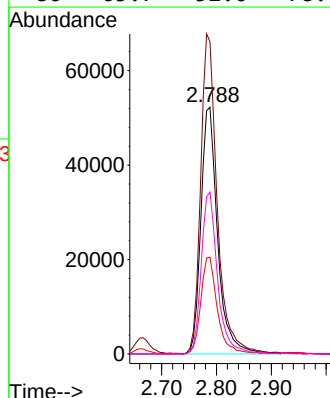
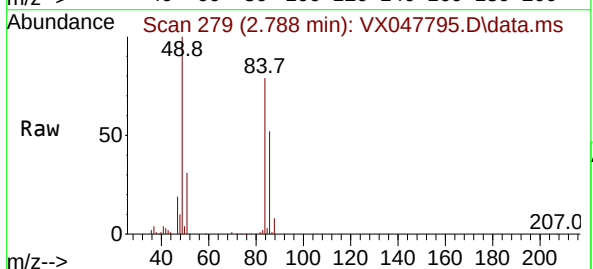
Ion Ratio Lower Upper

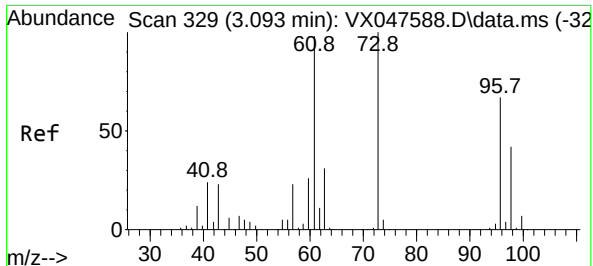
84 100

49 126.4 108.6 162.8

51 39.2 32.6 48.8

86 65.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 54.943 ug/l

RT: 3.087 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 95650

Ion Ratio Lower Upper

96 100

61 144.0 116.2 174.2

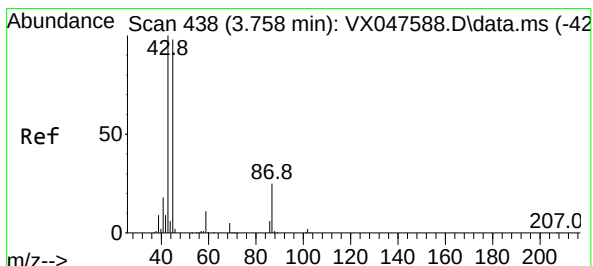
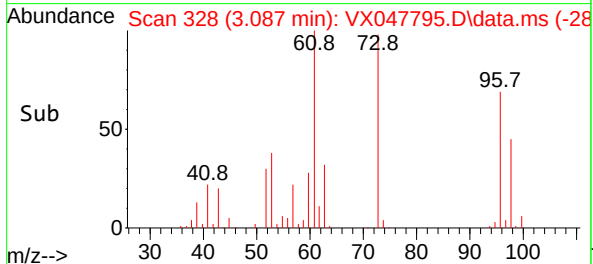
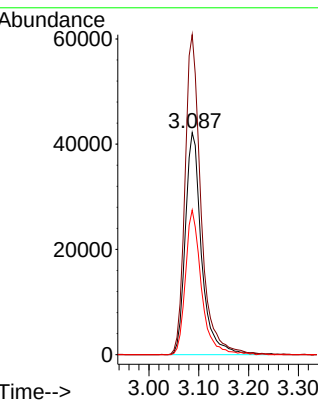
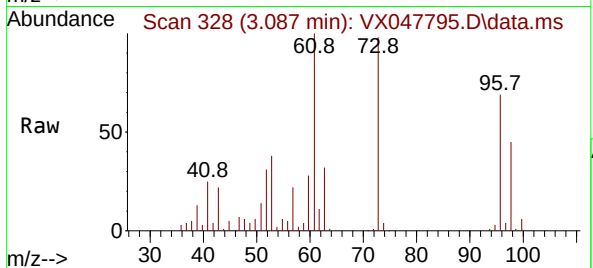
98 66.6 49.3 73.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#22

Diisopropyl ether

Concen: 55.145 ug/l

RT: 3.745 min Scan# 436

Delta R.T. -0.012 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Tgt Ion: 45 Resp: 356628

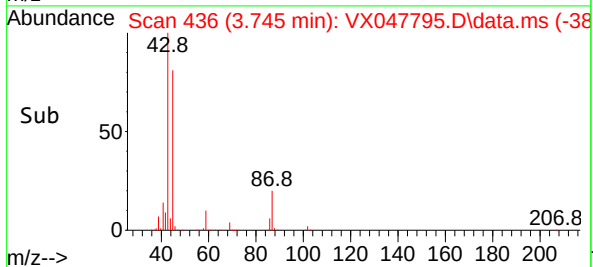
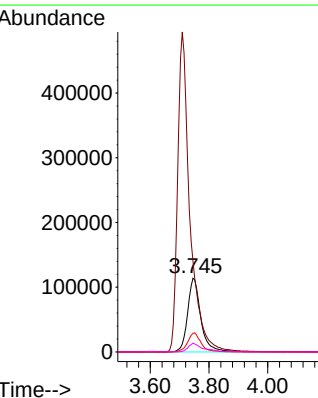
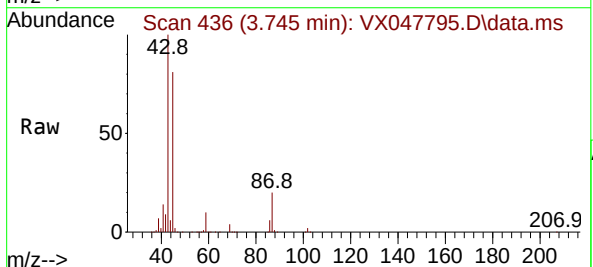
Ion Ratio Lower Upper

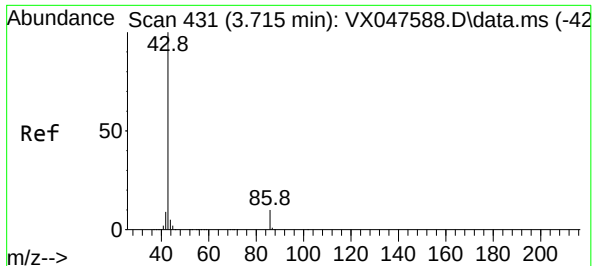
45 100

43 122.6 81.0 121.4#

87 25.2 20.3 30.5

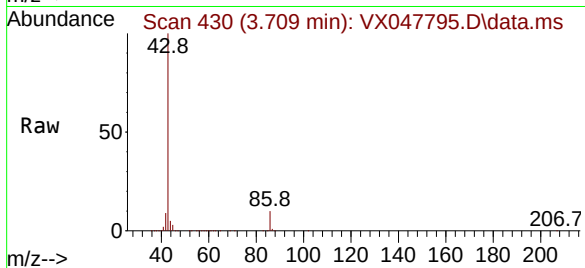
59 11.9 9.0 13.4





#23
Vinyl Acetate
Concen: 278.368 ug/l
RT: 3.709 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

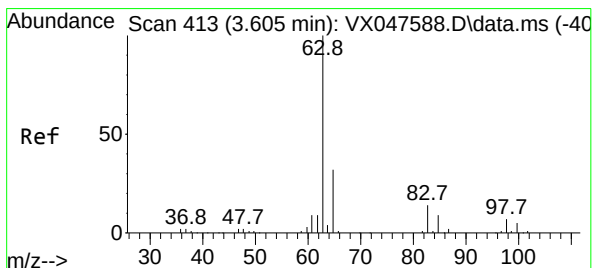
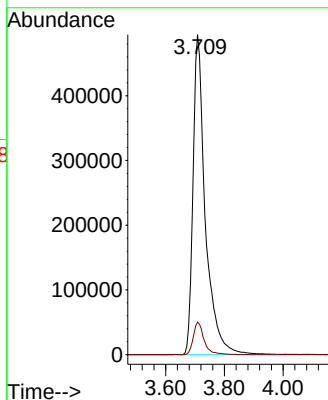
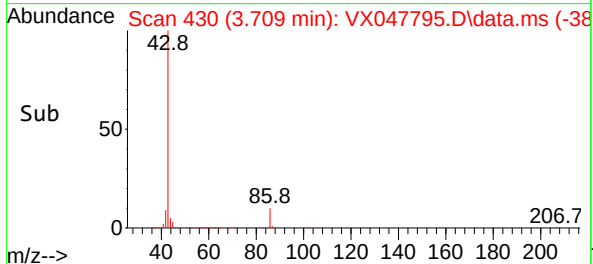
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 1440799
Ion Ratio Lower Upper
43 100
86 10.1 7.8 11.8

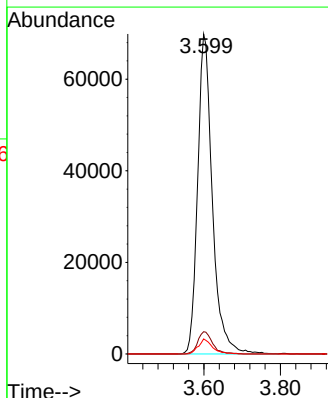
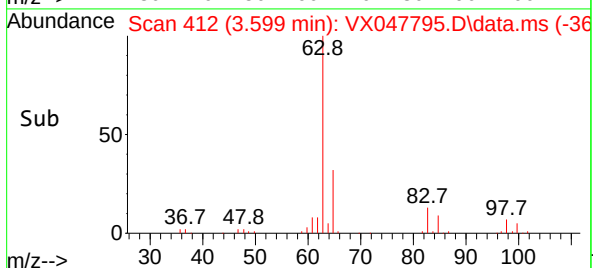
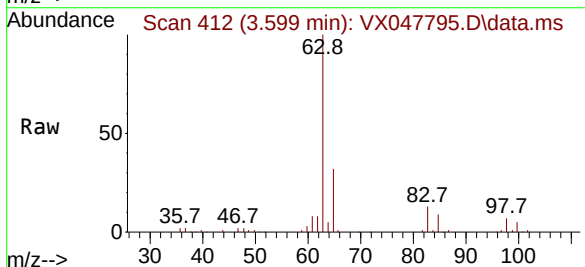
Manual Integrations
APPROVED

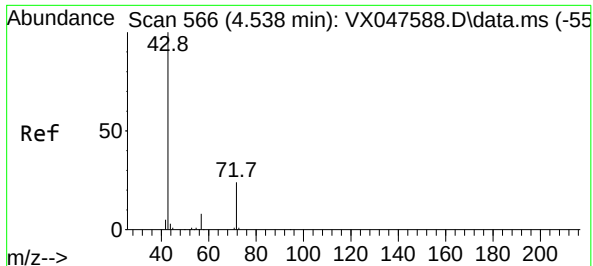
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#24
1,1-Dichloroethane
Concen: 54.236 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 63 Resp: 186425
Ion Ratio Lower Upper
63 100
98 7.0 3.8 11.2
100 4.7 2.3 6.9





#25

2-Butanone

Concen: 287.179 ug/l

RT: 4.538 min Scan# 5

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 337440

Ion Ratio Lower Upper

43 100

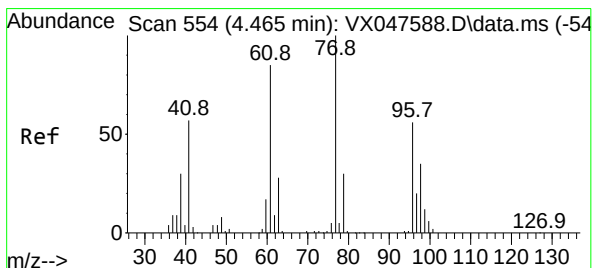
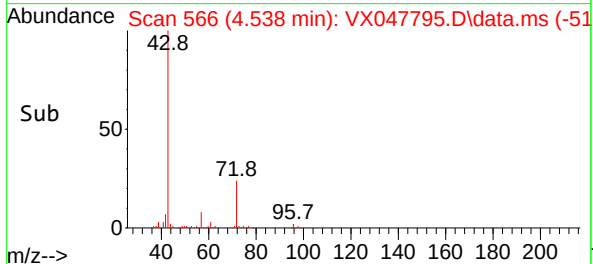
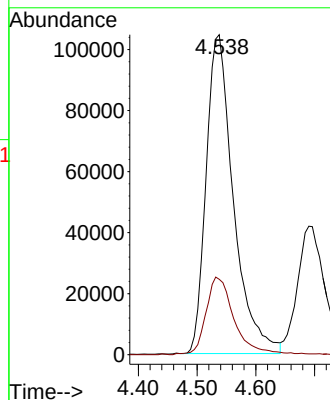
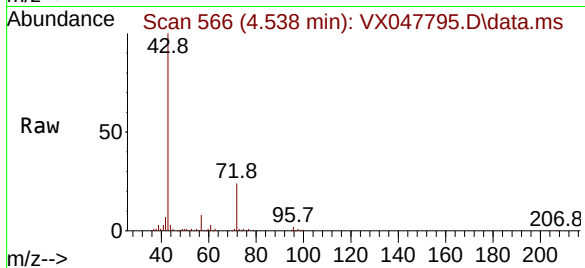
72 23.2 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#26

2,2-Dichloropropane

Concen: 25.628 ug/l

RT: 4.459 min Scan# 553

Delta R.T. -0.006 min

Lab File: VX047795.D

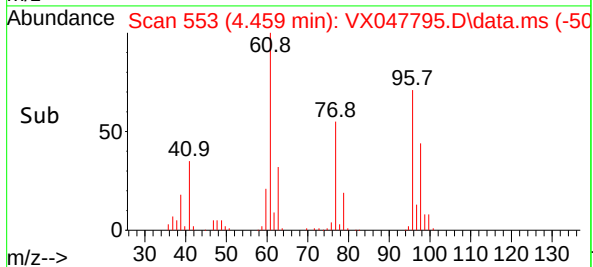
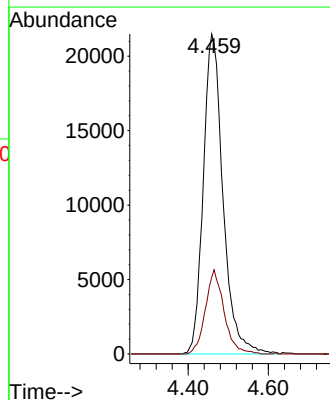
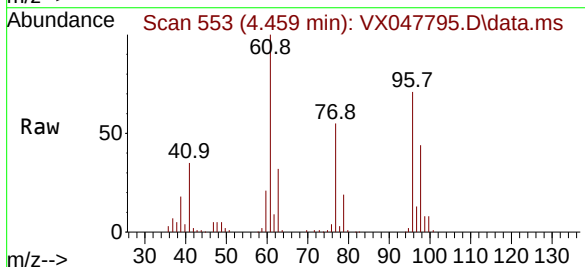
Acq: 25 Sep 2025 08:56

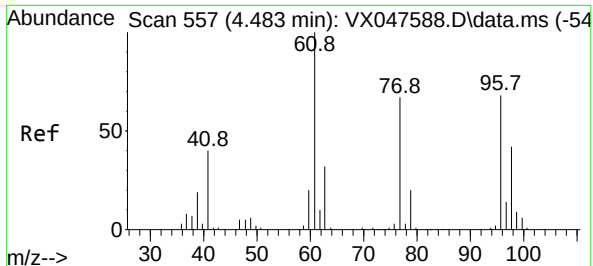
Tgt Ion: 77 Resp: 73225

Ion Ratio Lower Upper

77 100

97 24.9 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 54.540 ug/l

RT: 4.471 min Scan# 51

Delta R.T. -0.012 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 11628

Ion Ratio Lower Upper

96 100

61 138.6 0.0 303.2

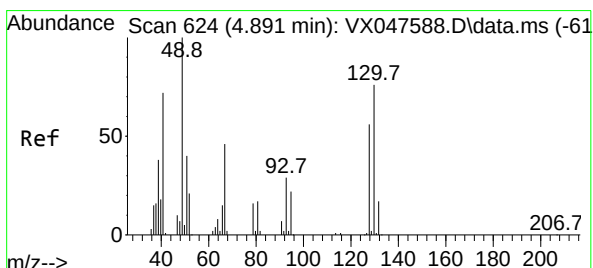
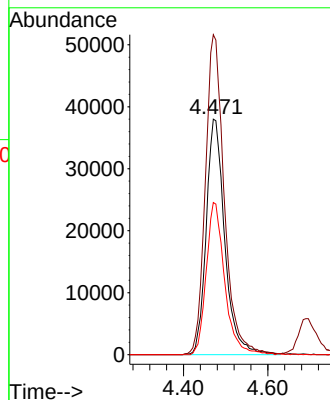
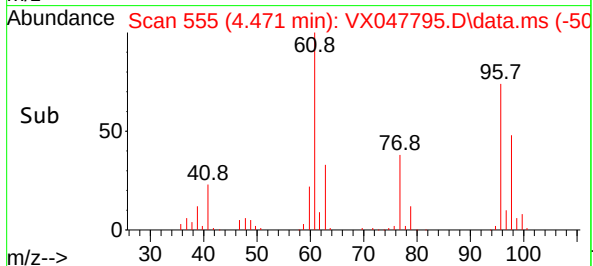
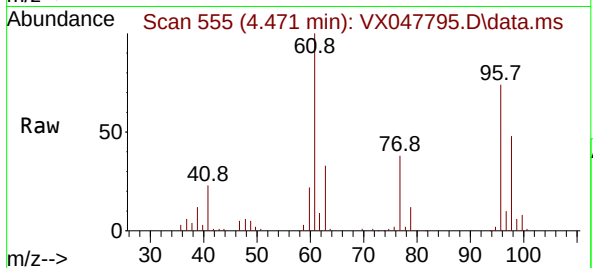
98 64.2 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#28

Bromochloromethane

Concen: 56.300 ug/l

RT: 4.879 min Scan# 622

Delta R.T. -0.012 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

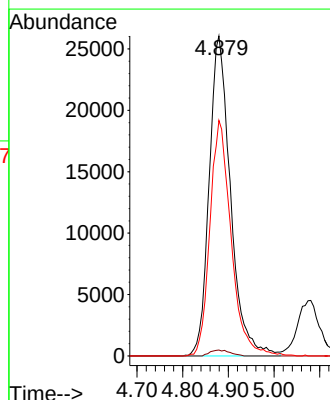
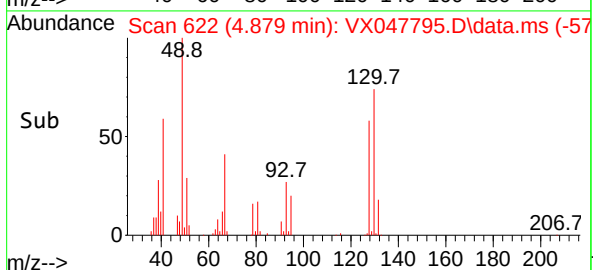
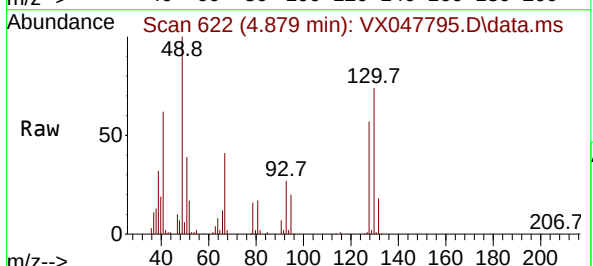
Tgt Ion: 49 Resp: 84484

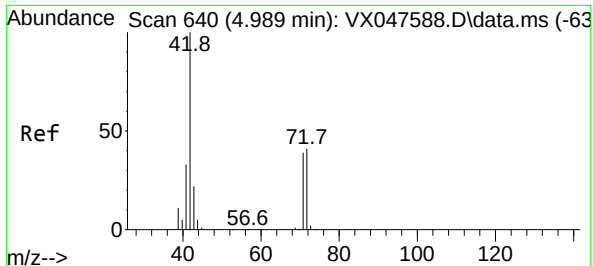
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.2

130 73.2 57.8 86.8





#29

Tetrahydrofuran

Concen: 307.408 ug/l

RT: 4.983 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 21729

Ion Ratio Lower Upper

42 100

72 42.9 34.2 51.2

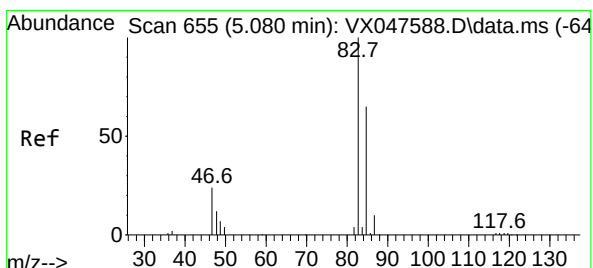
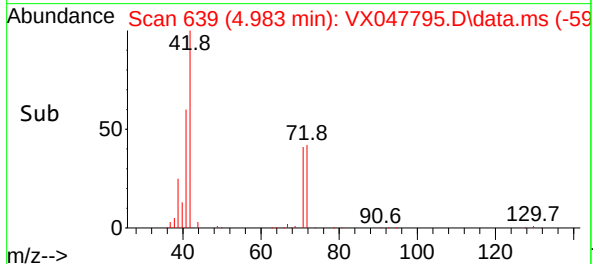
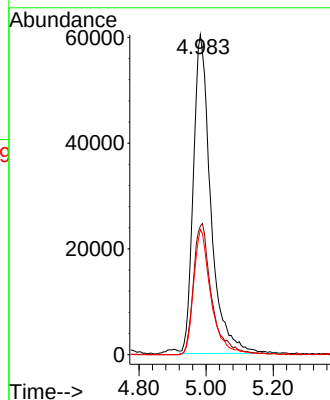
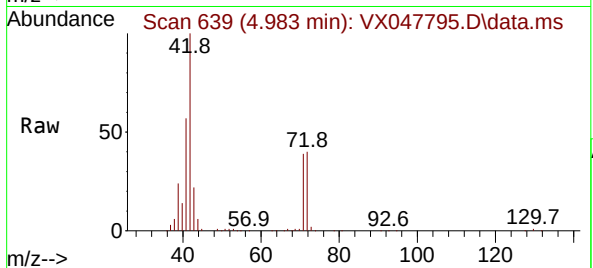
71 39.0 31.9 47.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#30

Chloroform

Concen: 55.697 ug/l

RT: 5.074 min Scan# 654

Delta R.T. -0.006 min

Lab File: VX047795.D

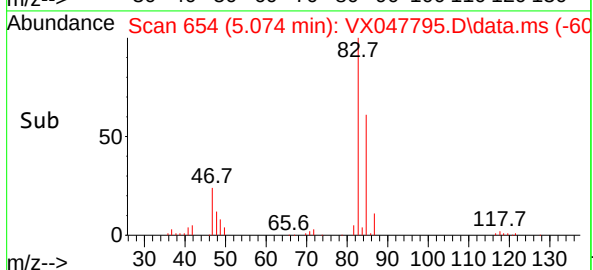
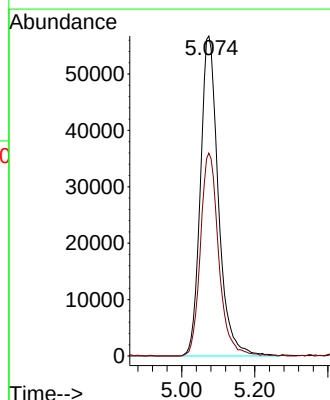
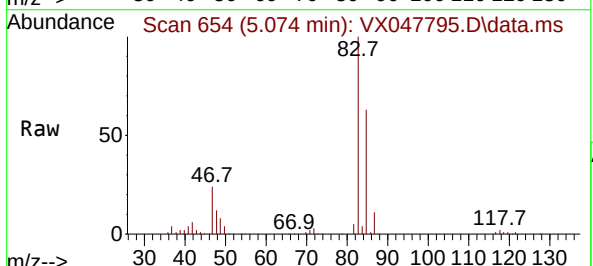
Acq: 25 Sep 2025 08:56

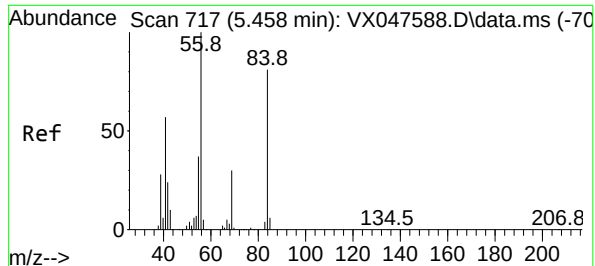
Tgt Ion: 83 Resp: 193461

Ion Ratio Lower Upper

83 100

85 63.4 51.8 77.6





#31

Cyclohexane

Concen: 50.203 ug/l

RT: 5.452 min Scan# 716

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 14372

Ion Ratio Lower Upper

56 100

69 28.8 23.8 35.8

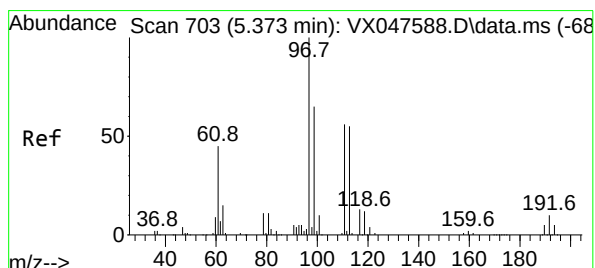
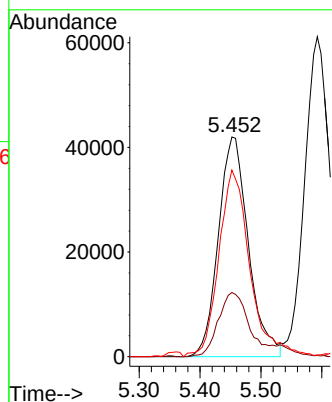
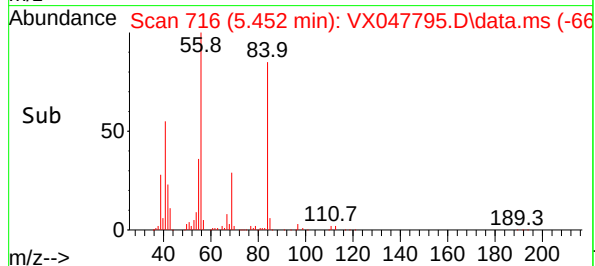
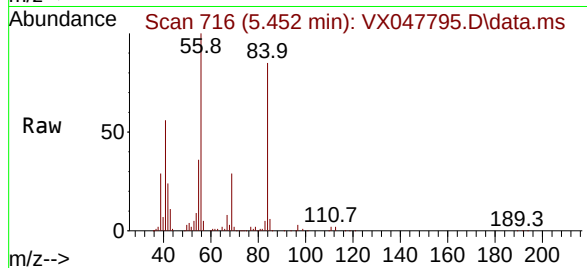
84 83.0 64.6 97.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#32

1,1,1-Trichloroethane

Concen: 52.743 ug/l

RT: 5.367 min Scan# 702

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

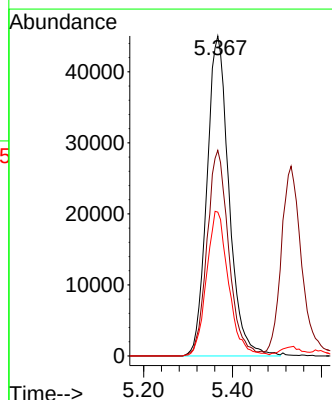
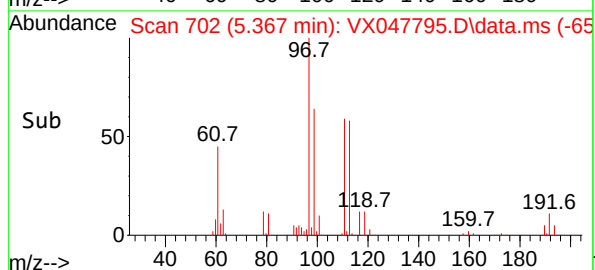
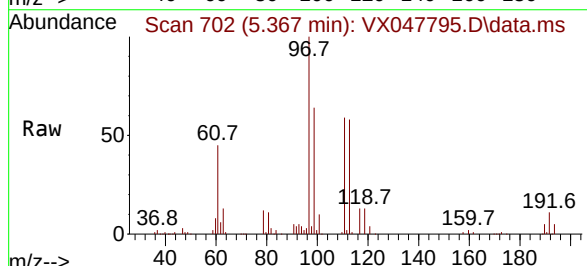
Tgt Ion: 97 Resp: 155394

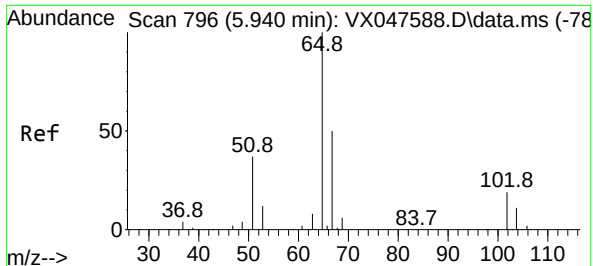
Ion Ratio Lower Upper

97 100

99 63.1 50.6 76.0

61 45.3 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 51.305 ug/l

RT: 5.934 min Scan# 796

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 11115

Ion Ratio Lower Upper

65 100

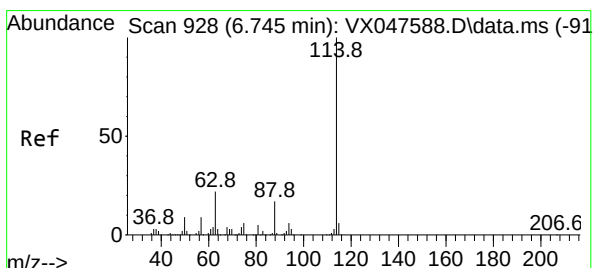
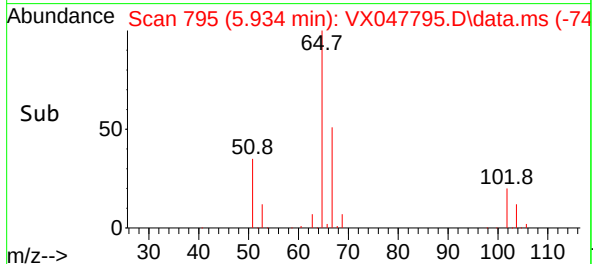
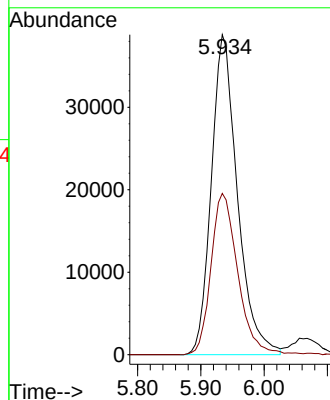
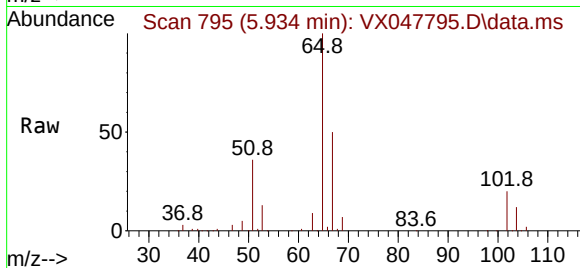
67 51.8 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

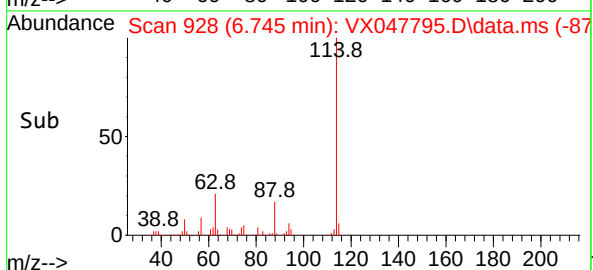
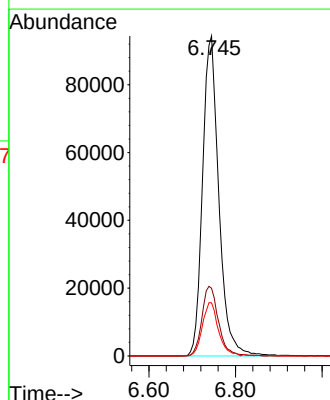
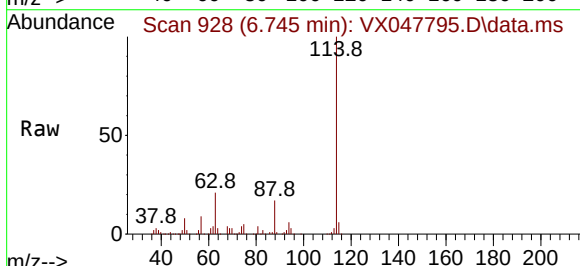
Tgt Ion:114 Resp: 245940

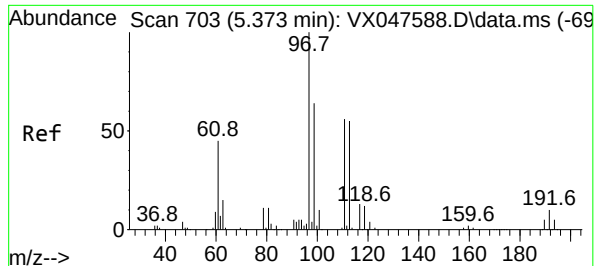
Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.0

88 16.6 0.0 34.2





#35

Dibromofluoromethane

Concen: 52.379 ug/l

RT: 5.367 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 8639

Ion Ratio Lower Upper

113 100

111 103.1 80.9 121.3

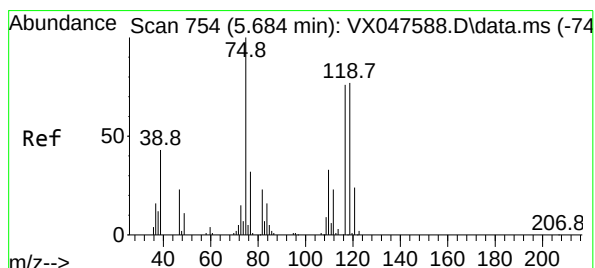
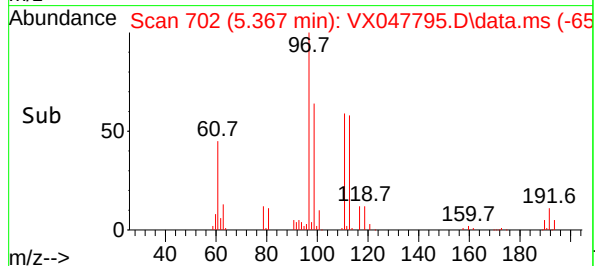
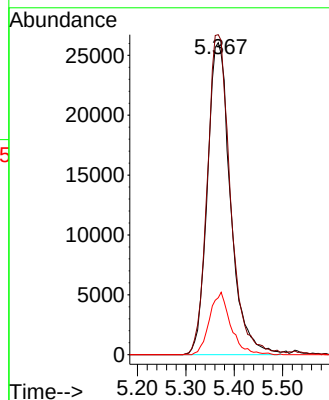
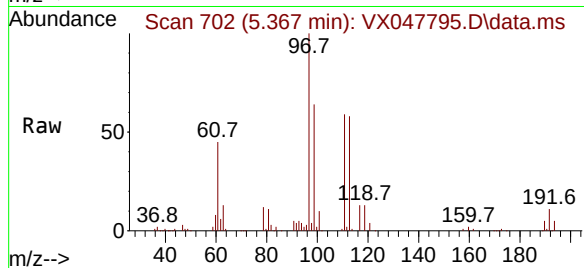
192 18.4 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#36

1,1-Dichloropropene

Concen: 49.510 ug/l

RT: 5.672 min Scan# 752

Delta R.T. -0.012 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

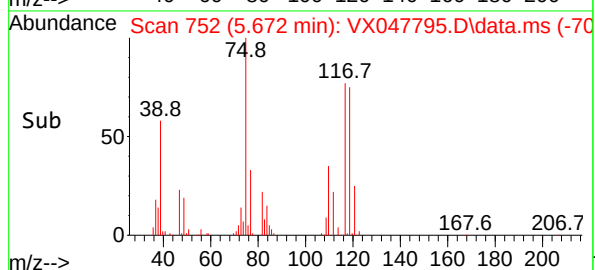
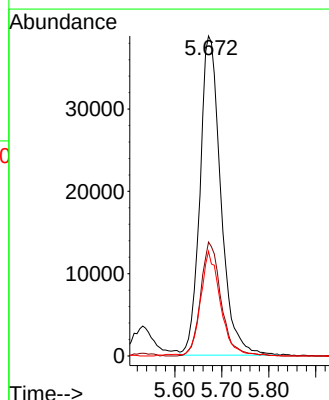
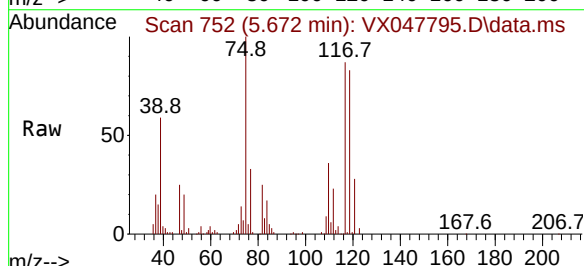
Tgt Ion: 75 Resp: 119329

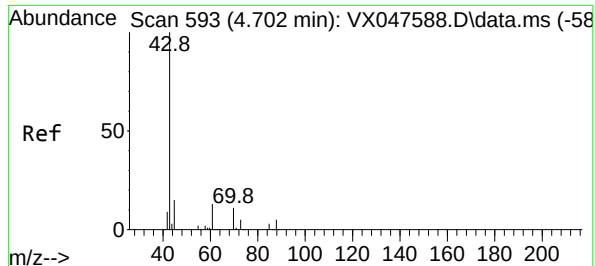
Ion Ratio Lower Upper

75 100

110 34.8 16.7 50.1

77 31.4 24.3 36.5





#37

Ethyl Acetate

Concen: 55.984 ug/l

RT: 4.690 min Scan# 593

Delta R.T. -0.012 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 14447

Ion Ratio Lower Upper

43 100

61 13.5 9.8 14.8

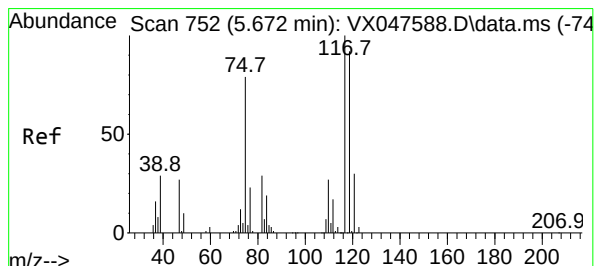
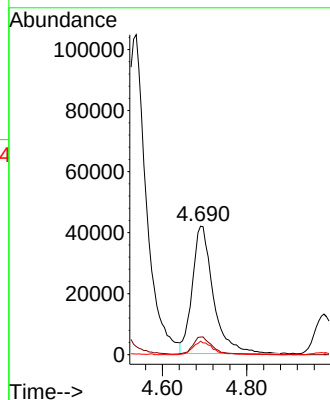
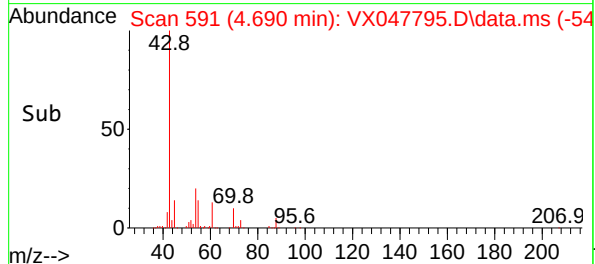
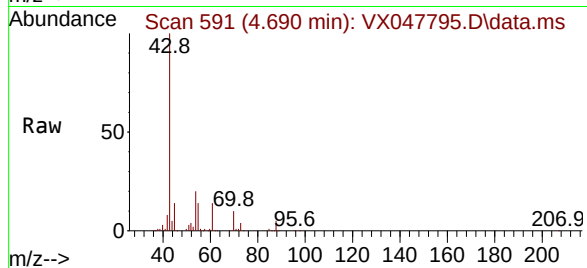
70 9.8 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#38

Carbon Tetrachloride

Concen: 50.553 ug/l

RT: 5.660 min Scan# 750

Delta R.T. -0.012 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

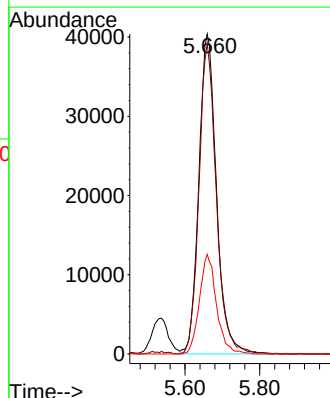
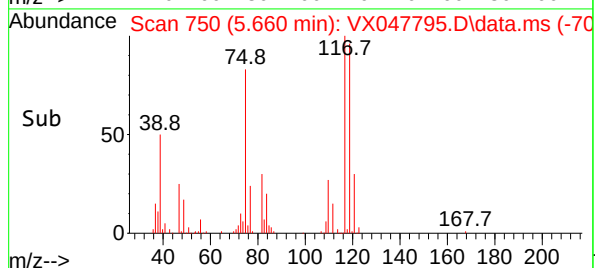
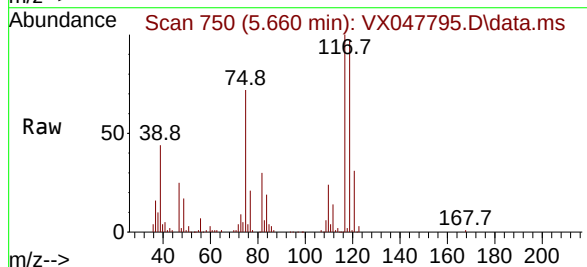
Tgt Ion:117 Resp: 132383

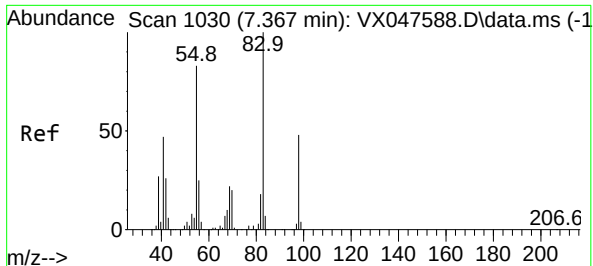
Ion Ratio Lower Upper

117 100

119 97.2 73.4 110.2

121 31.1 23.8 35.6





#39

Methylcyclohexane

Concen: 47.613 ug/l

RT: 7.360 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

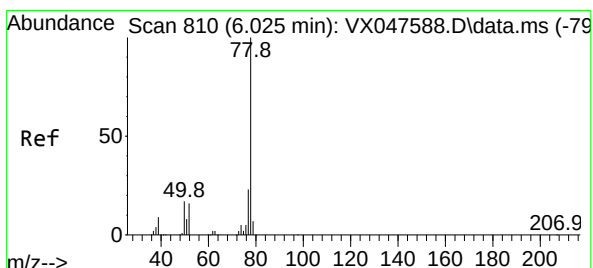
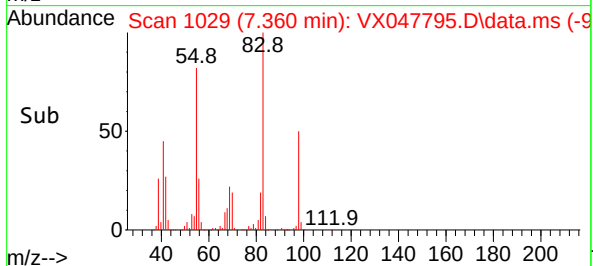
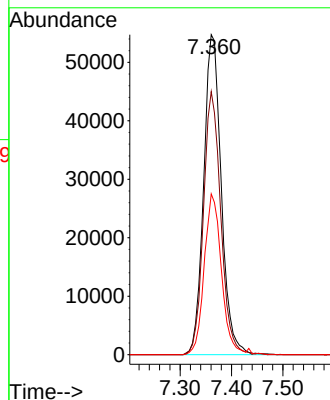
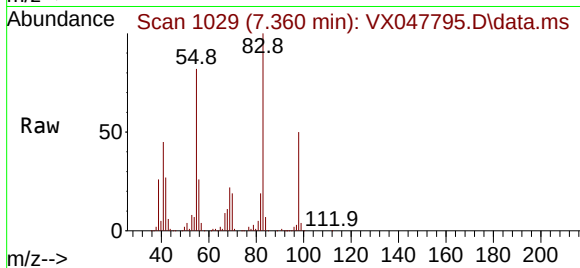
VSTDCCC050

Tgt Ion:	83	Resp:	130264
Ion	Ratio	Lower	Upper
83	100		
55	82.2	66.4	99.6
98	50.3	38.1	57.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#40

Benzene

Concen: 53.689 ug/l

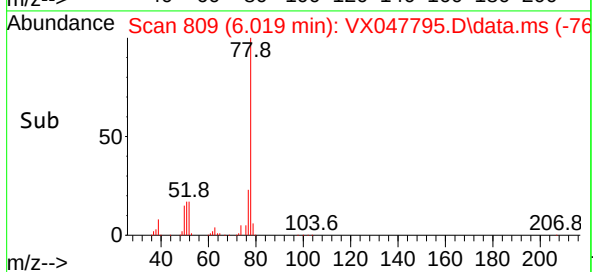
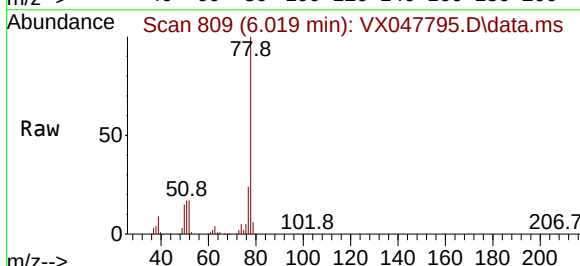
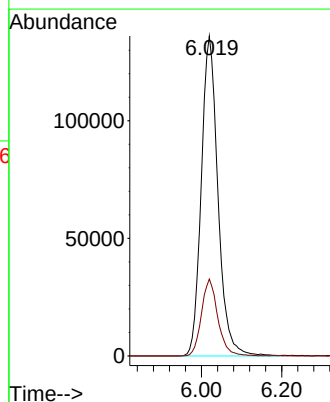
RT: 6.019 min Scan# 809

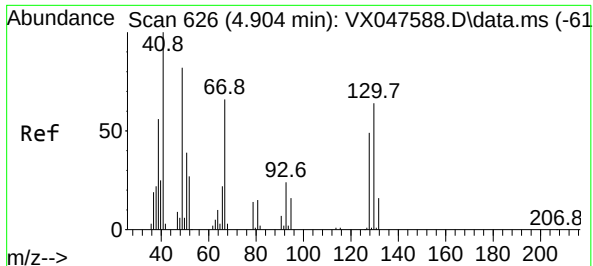
Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

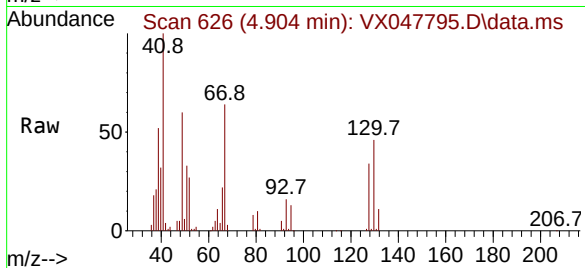
Tgt Ion:	78	Resp:	393020
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





#41
Methacrylonitrile
Concen: 58.352 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

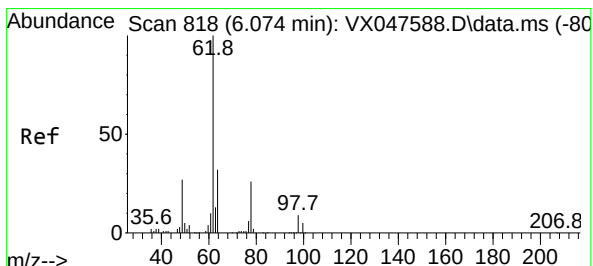
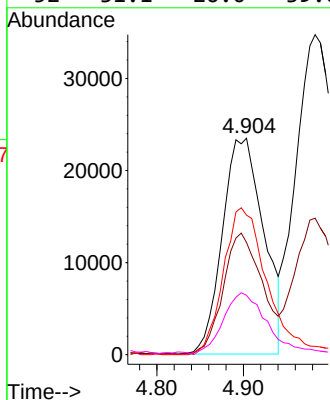
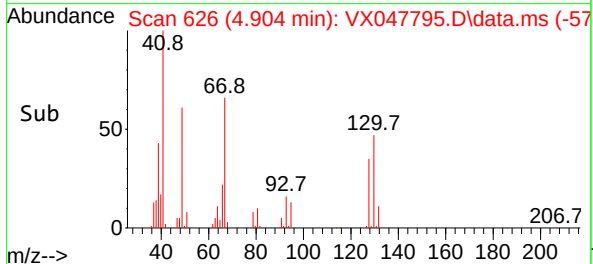
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 77739
Ion Ratio Lower Upper
41 100
39 53.2 43.3 64.9
67 73.2 58.6 87.8
52 31.1 26.0 39.0

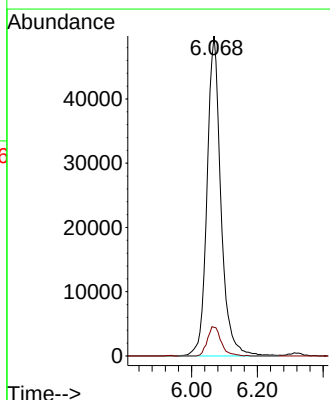
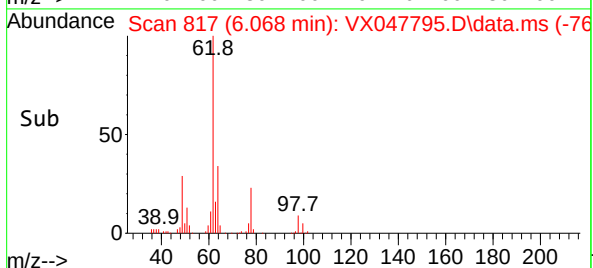
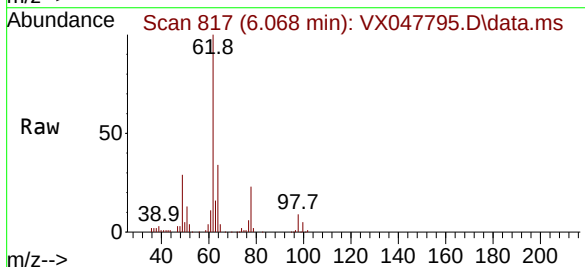
Manual Integrations
APPROVED

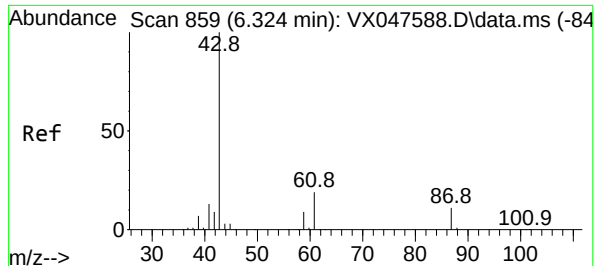
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#42
1,2-Dichloroethane
Concen: 52.455 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 62 Resp: 146101
Ion Ratio Lower Upper
62 100
98 9.1 0.0 17.0





#43

Isopropyl Acetate

Concen: 54.813 ug/l

RT: 6.318 min Scan# 81

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

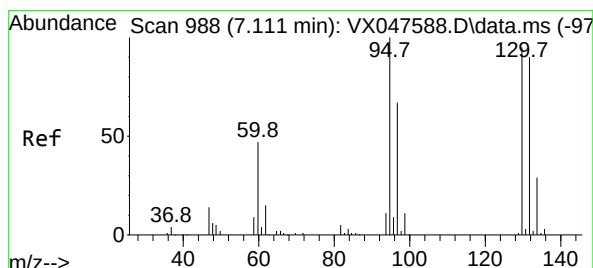
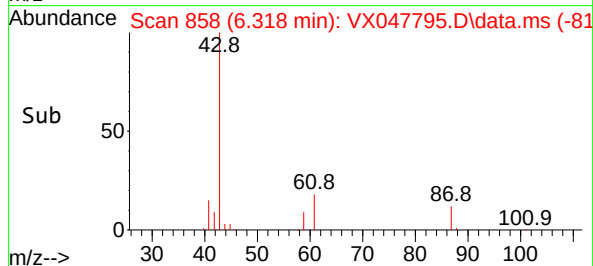
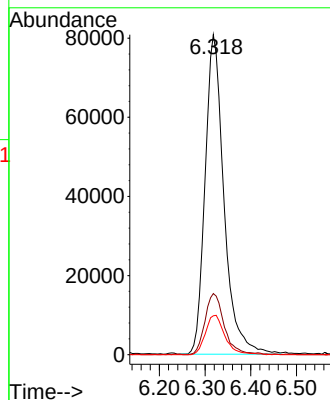
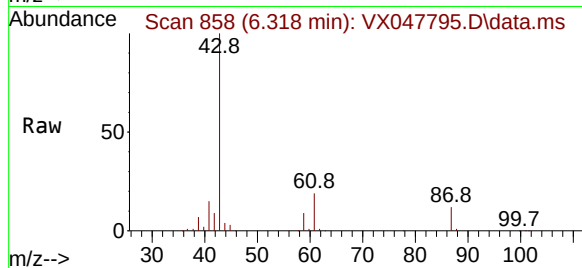
VSTDCCC050

Tgt Ion:	43	Resp:	23198
Ion Ratio	Lower	Upper	
43	100		
61	19.6	15.2	22.8
87	12.7	9.6	14.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#44

Trichloroethene

Concen: 52.779 ug/l

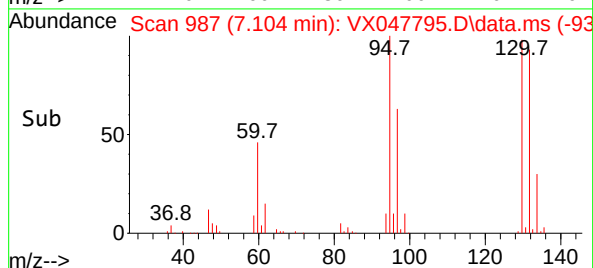
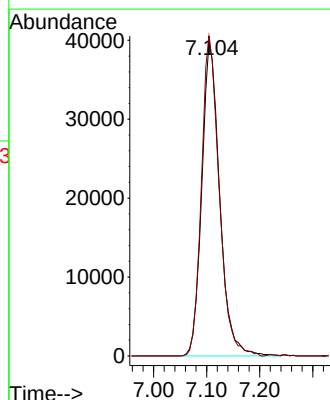
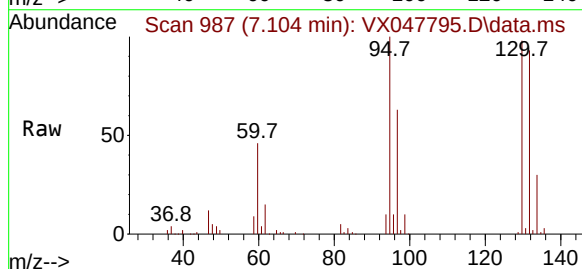
RT: 7.104 min Scan# 987

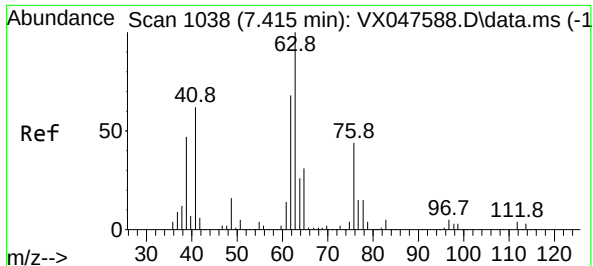
Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Tgt Ion:	130	Resp:	93408
Ion Ratio	Lower	Upper	
130	100		
95	101.8	0.0	210.8





#45

1,2-Dichloropropane

Concen: 54.802 ug/l

RT: 7.409 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 10272

Ion Ratio Lower Upper

63 100

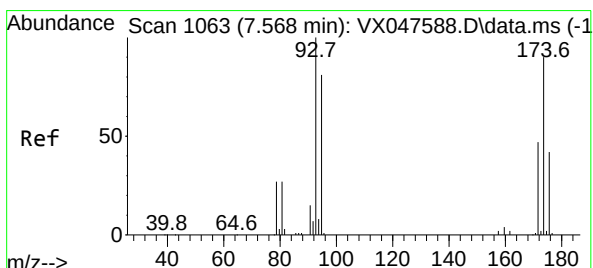
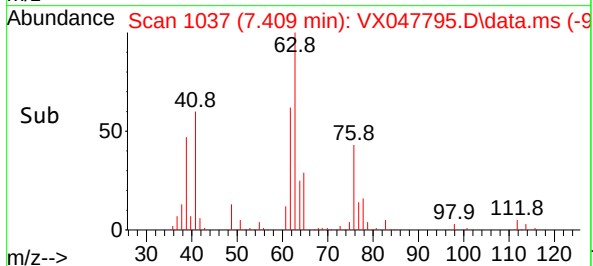
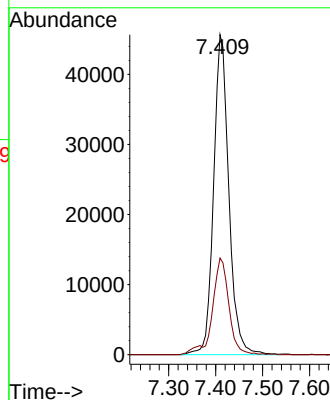
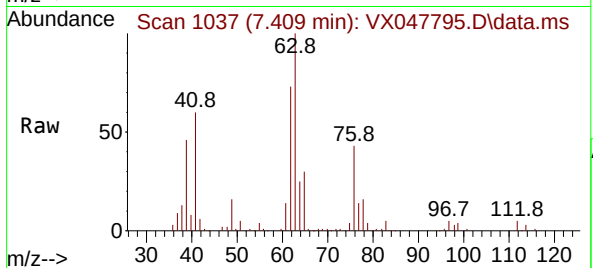
65 30.2 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#46

Dibromomethane

Concen: 53.611 ug/l

RT: 7.562 min Scan# 1062

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

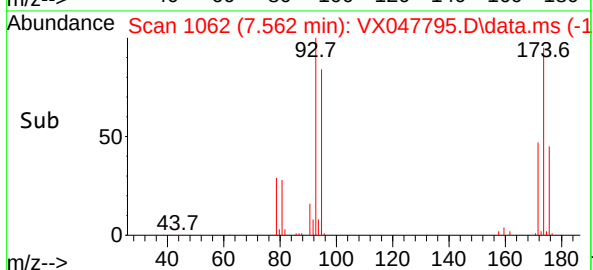
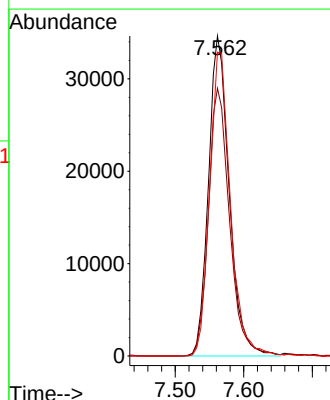
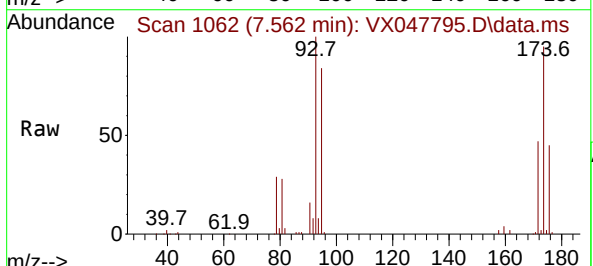
Tgt Ion: 93 Resp: 73128

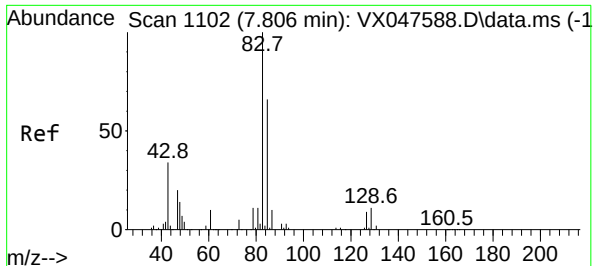
Ion Ratio Lower Upper

93 100

95 85.0 65.0 97.6

174 94.9 71.6 107.4





#47

Bromodichloromethane

Concen: 53.552 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

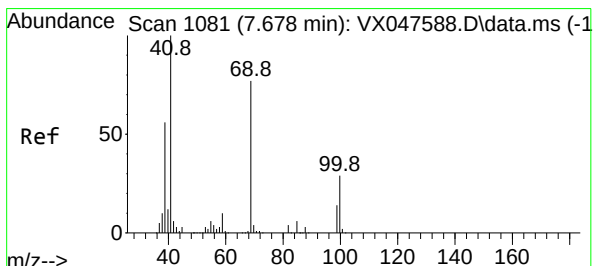
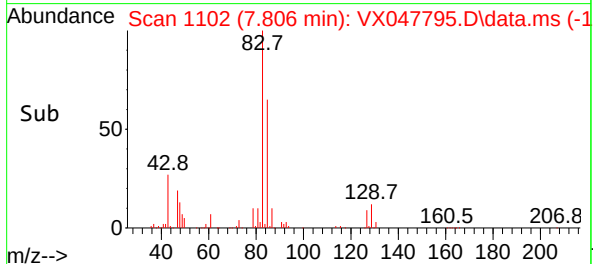
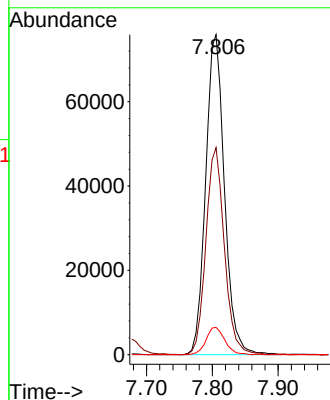
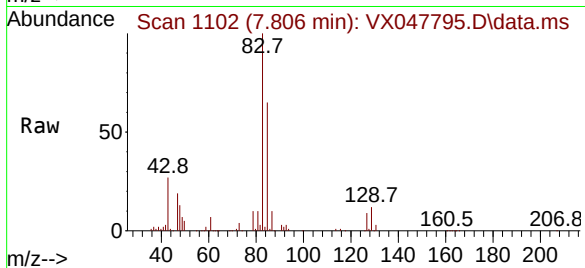
VSTDCCC050

Tgt Ion:	83	Resp:	150738
Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7
127	8.5	6.9	10.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#48

Methyl methacrylate

Concen: 55.683 ug/l

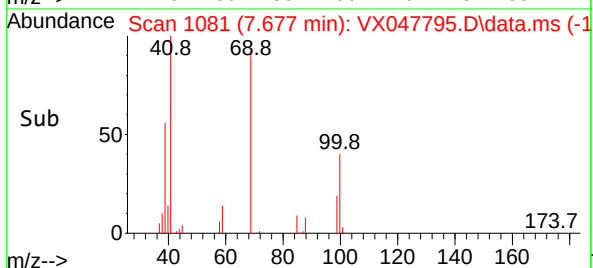
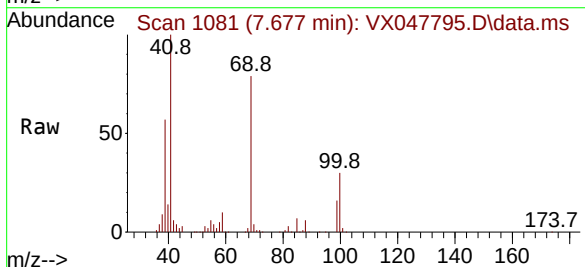
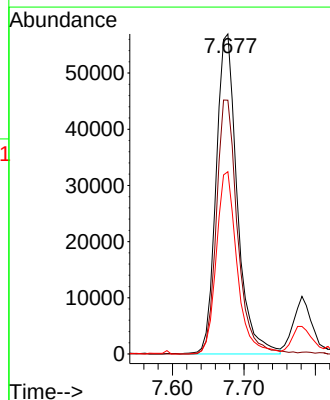
RT: 7.677 min Scan# 1081

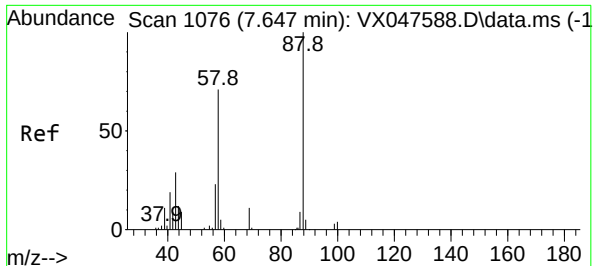
Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Tgt Ion:	41	Resp:	117391
Ion	Ratio	Lower	Upper
41	100		
69	78.8	61.4	92.2
39	55.9	45.8	68.6





#49

1,4-Dioxane

Concen: 1335.620 ug/l

RT: 7.641 min Scan# 1076

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

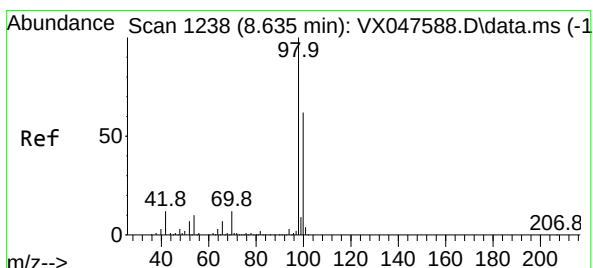
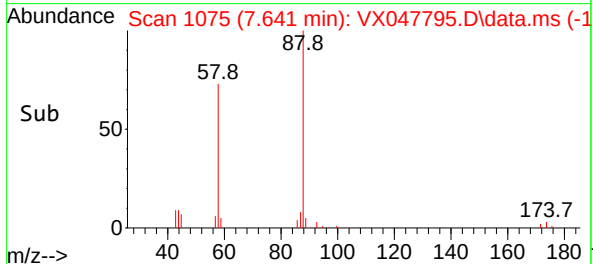
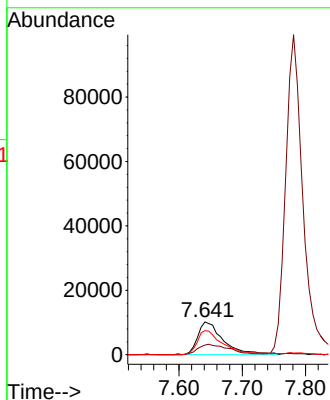
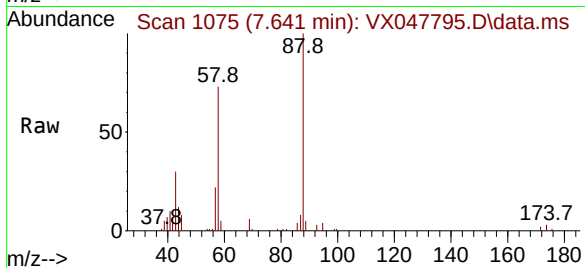
VSTDCCC050

Tgt Ion:	88	Resp:	28450
Ion	Ratio	Lower	Upper
88	100		
43	37.7	30.2	45.2
58	75.4	59.5	89.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#50

Toluene-d8

Concen: 50.933 ug/l

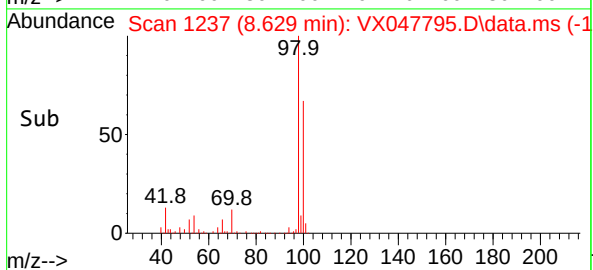
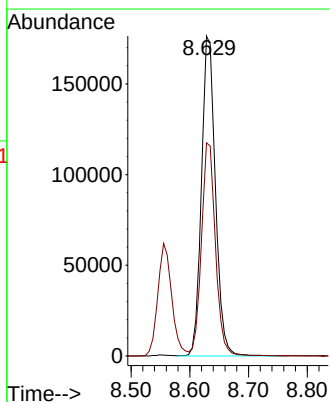
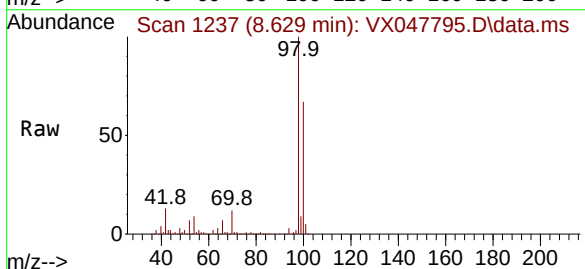
RT: 8.629 min Scan# 1237

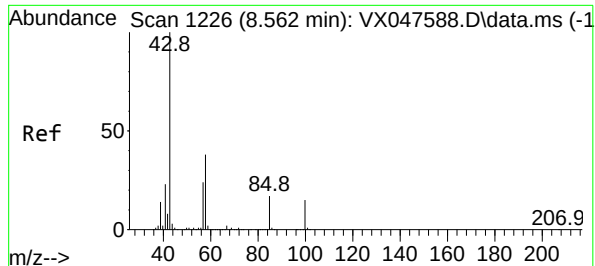
Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

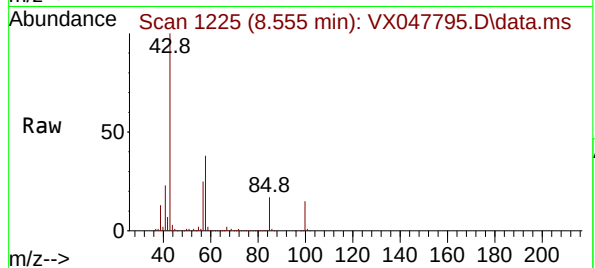
Tgt Ion:	98	Resp:	290687
Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 296.468 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

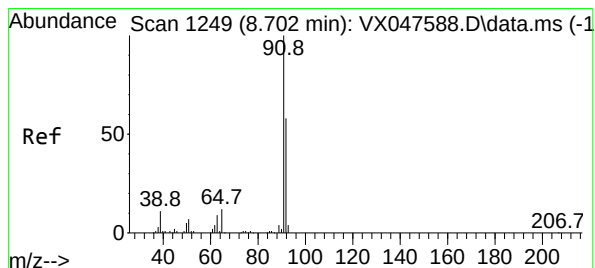
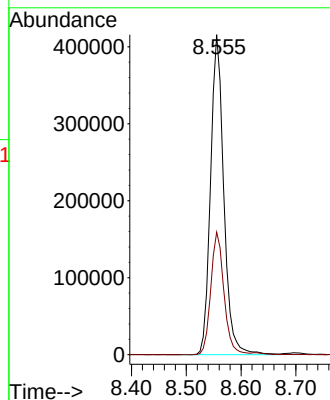
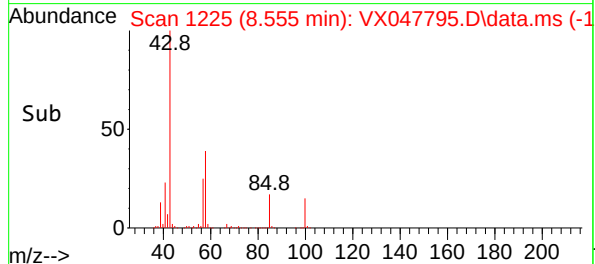
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 69569
Ion Ratio Lower Upper
43 100
58 38.0 30.3 45.5

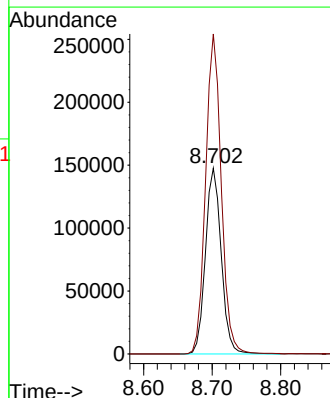
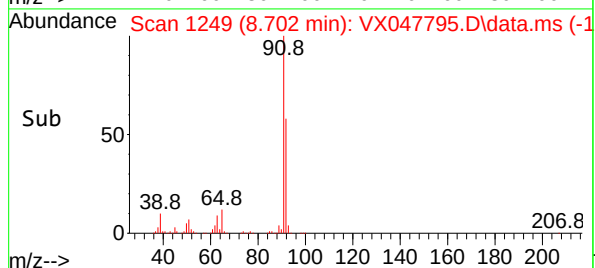
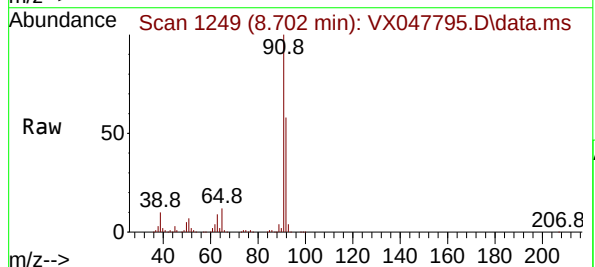
Manual Integrations
APPROVED

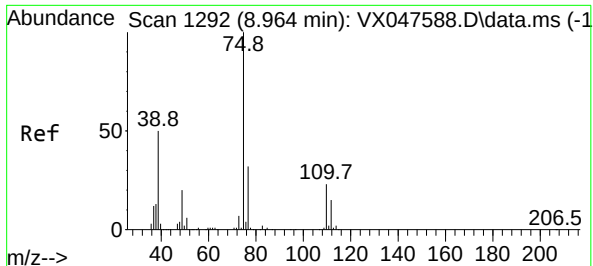
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#52
Toluene
Concen: 52.436 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

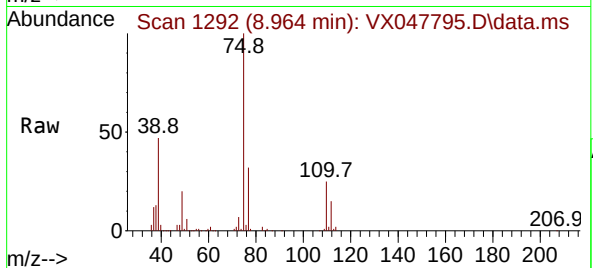
Tgt Ion: 92 Resp: 236487
Ion Ratio Lower Upper
92 100
91 171.1 137.1 205.7





#53
t-1,3-Dichloropropene
Concen: 46.584 ug/l
RT: 8.964 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

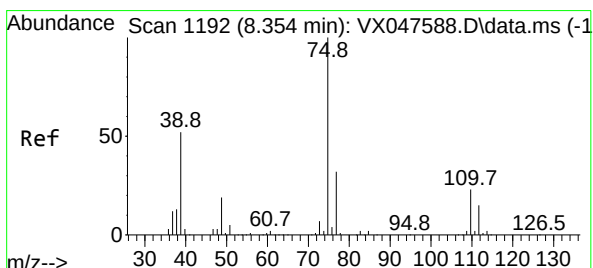
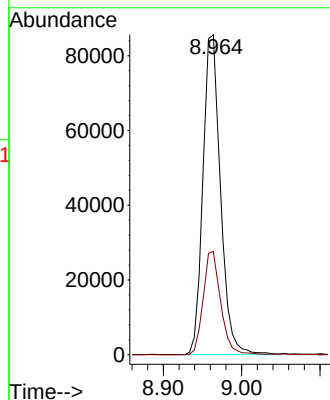
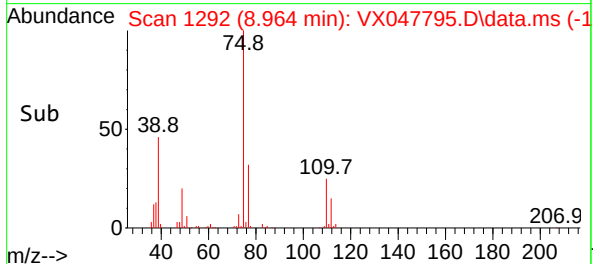
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 13374
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2

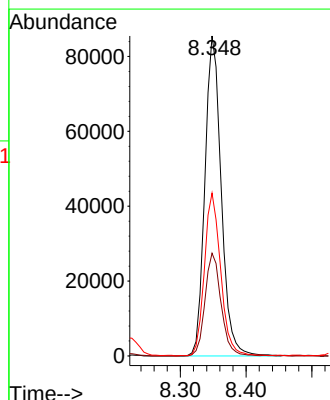
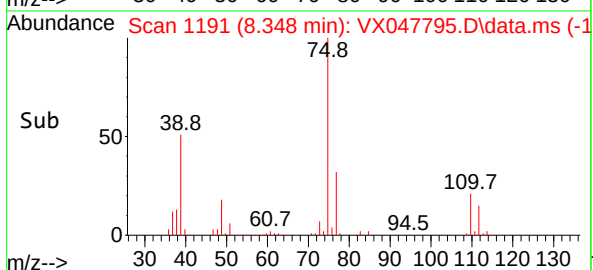
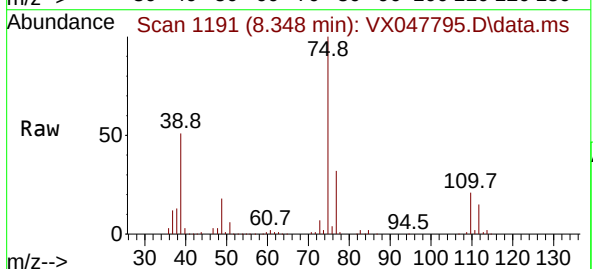
Manual Integrations
APPROVED

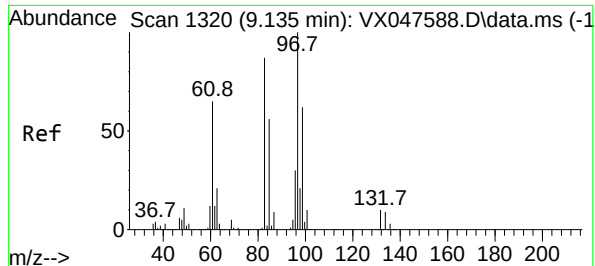
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#54
cis-1,3-Dichloropropene
Concen: 48.178 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 75 Resp: 147846
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.6
39 50.1 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 55.106 ug/l

RT: 9.135 min Scan# 1314

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 95832

Ion Ratio Lower Upper

97 100

83 88.4 69.6 104.4

85 56.9 45.0 67.6

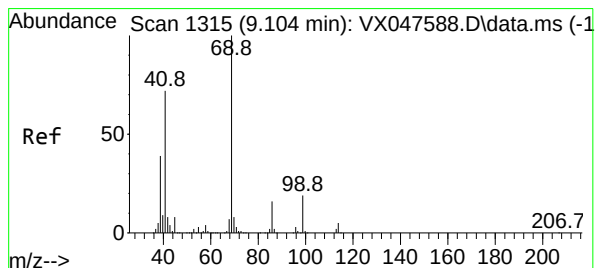
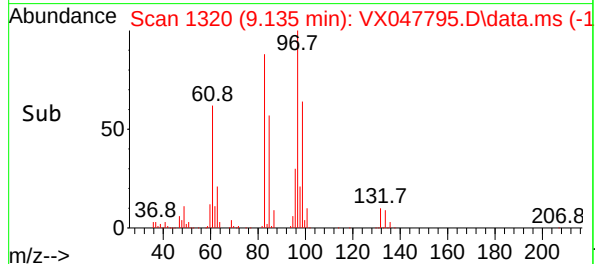
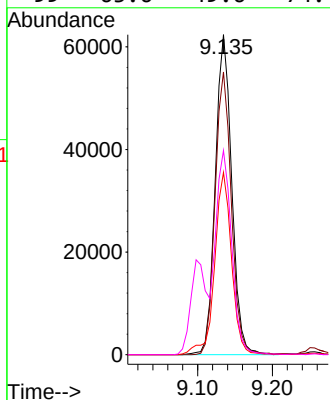
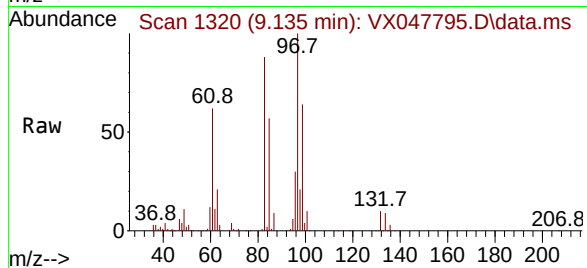
99 63.6 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#56

Ethyl methacrylate

Concen: 56.190 ug/l

RT: 9.098 min Scan# 1314

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

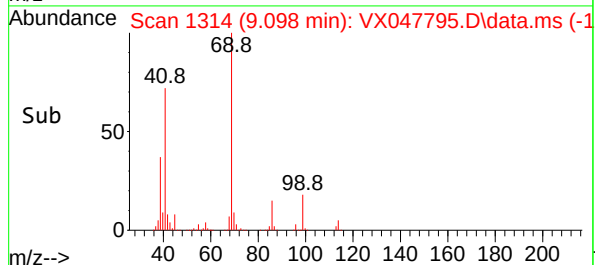
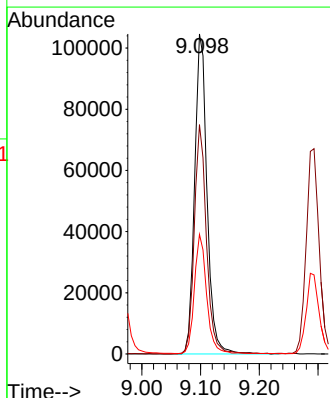
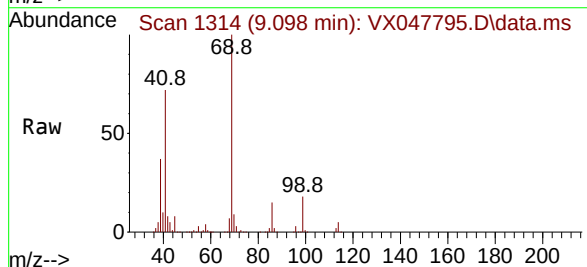
Tgt Ion: 69 Resp: 153461

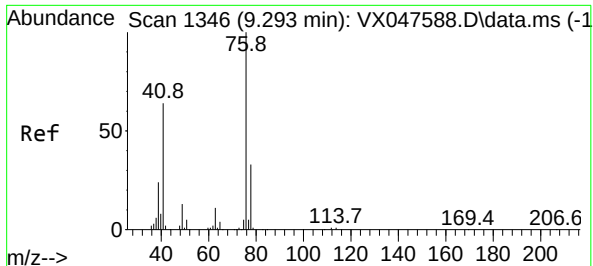
Ion Ratio Lower Upper

69 100

41 70.7 58.6 87.8

39 36.7 31.5 47.3





#57

1,3-Dichloropropane

Concen: 55.801 ug/l

RT: 9.293 min Scan# 11346

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 166700

Ion Ratio Lower Upper

76 100

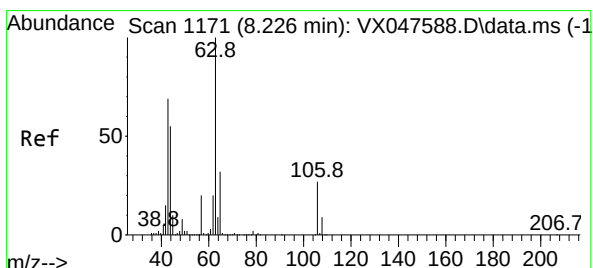
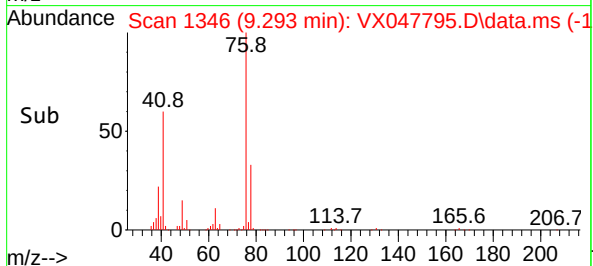
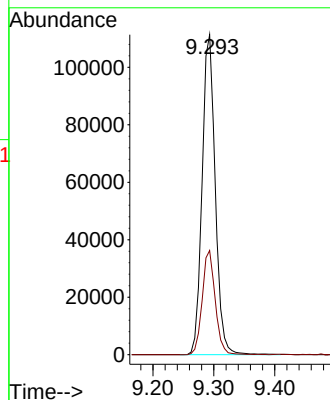
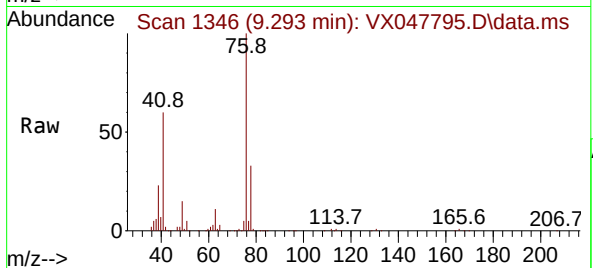
78 32.2 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#58

2-Chloroethyl Vinyl ether

Concen: 300.637 ug/l

RT: 8.226 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VX047795.D

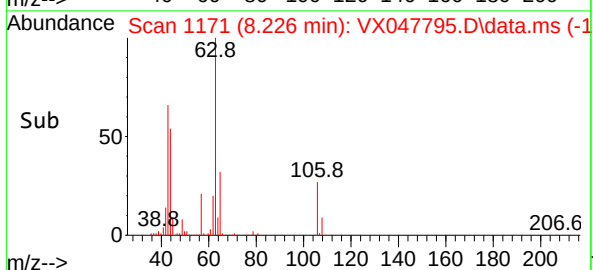
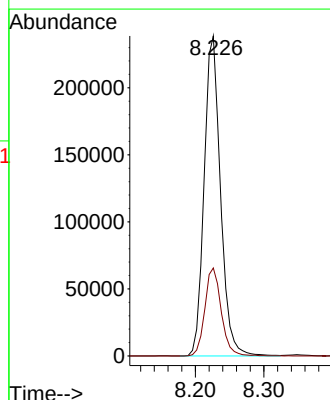
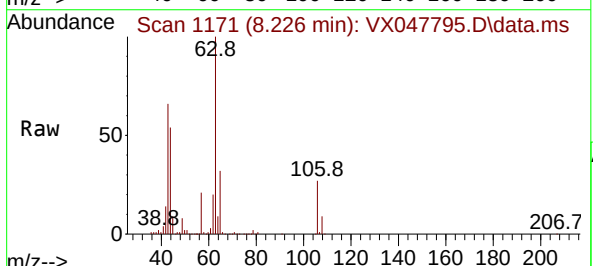
Acq: 25 Sep 2025 08:56

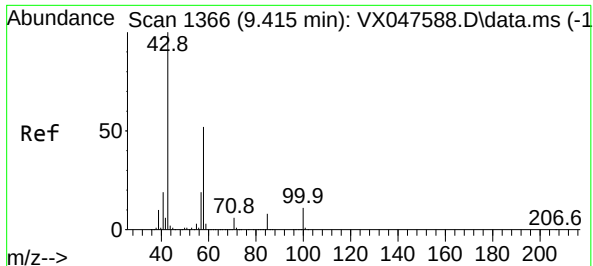
Tgt Ion: 63 Resp: 397473

Ion Ratio Lower Upper

63 100

106 27.5 21.9 32.9





#59

2-Hexanone

Concen: 285.853 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 481760

Ion Ratio Lower Upper

43 100

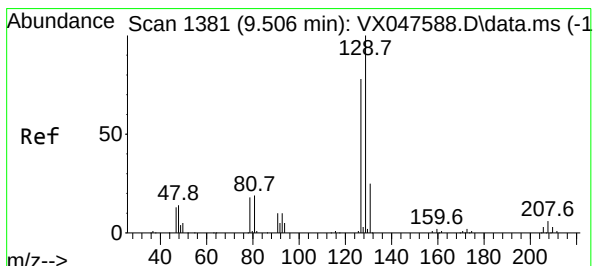
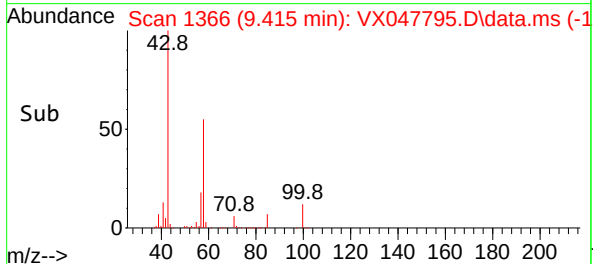
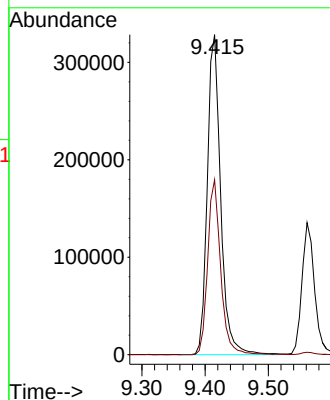
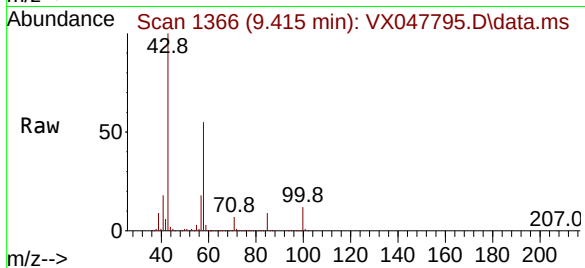
58 53.4 26.1 78.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#60

Dibromochloromethane

Concen: 55.147 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VX047795.D

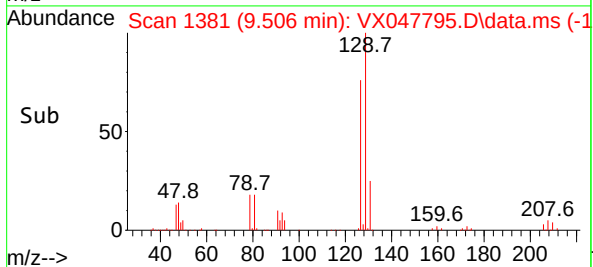
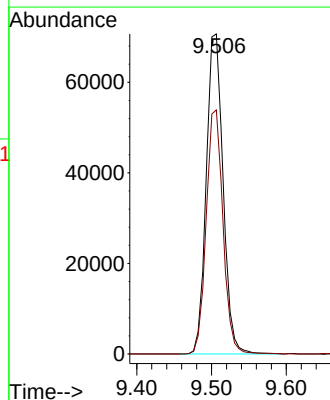
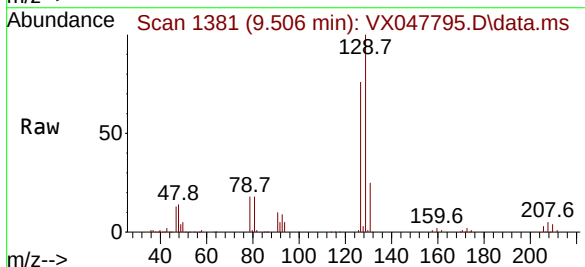
Acq: 25 Sep 2025 08:56

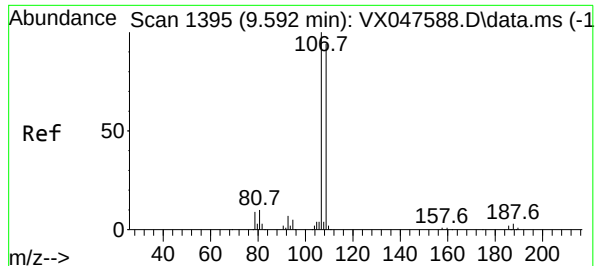
Tgt Ion:129 Resp: 110503

Ion Ratio Lower Upper

129 100

127 76.0 38.4 115.2





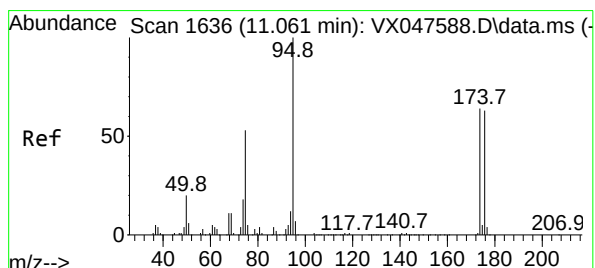
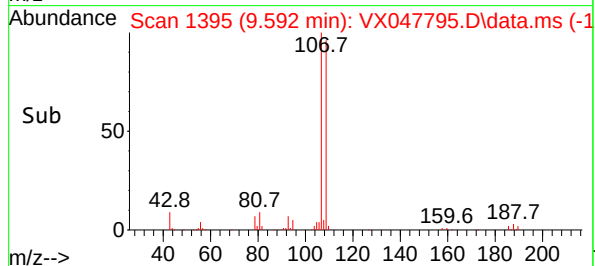
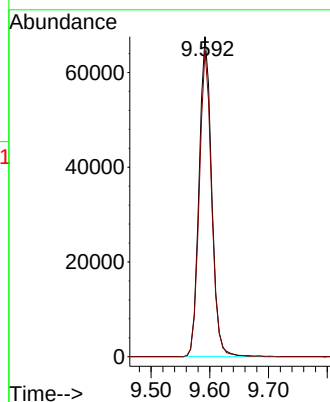
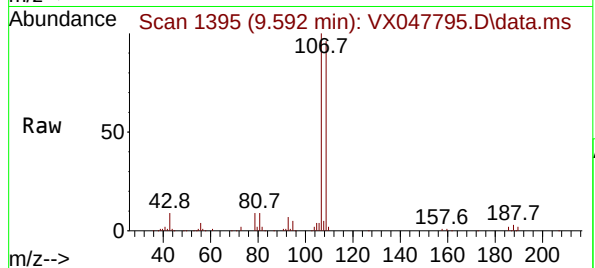
#61
1,2-Dibromoethane
Concen: 56.807 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 100623
Ion Ratio Lower Upper
107 100
109 93.6 75.3 112.9

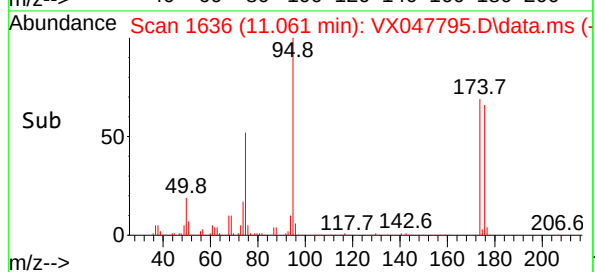
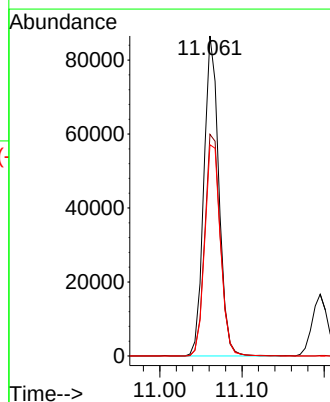
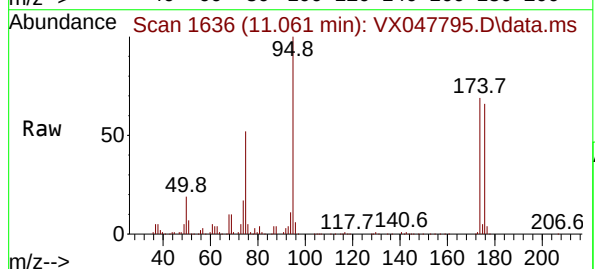
Manual Integrations
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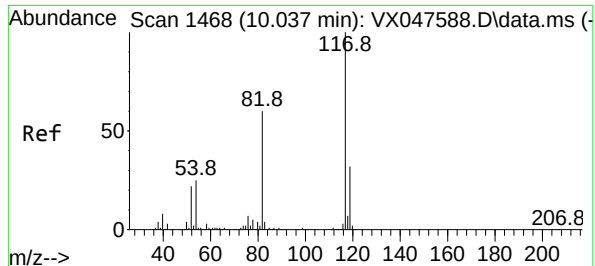
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#62
4-Bromofluorobenzene
Concen: 50.317 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

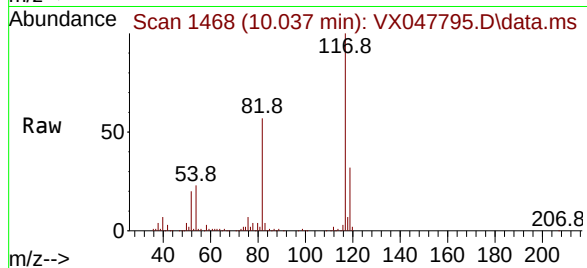
Tgt Ion: 95 Resp: 108988
Ion Ratio Lower Upper
95 100
174 72.7 0.0 141.6
176 69.5 0.0 138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

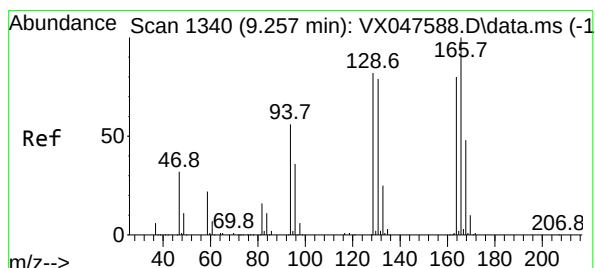
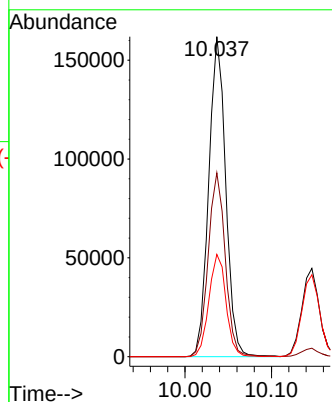
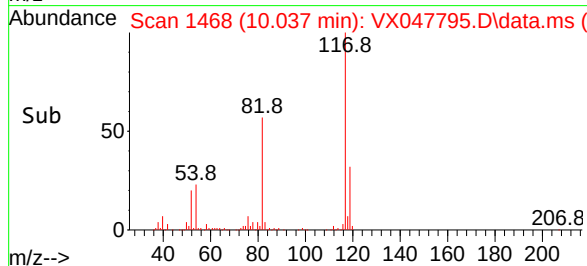
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



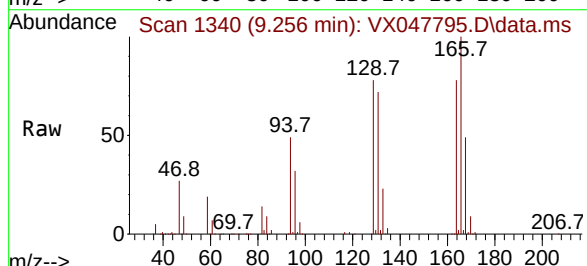
Tgt Ion:117 Resp: 22026
Ion Ratio Lower Upper
117 100
82 57.4 47.8 71.6
119 31.9 25.2 37.8

Manual Integrations
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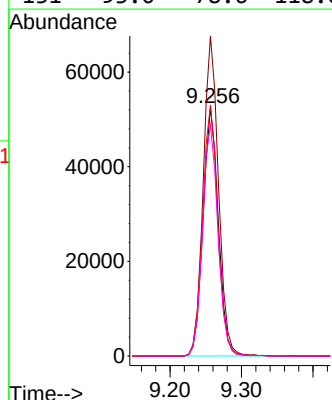
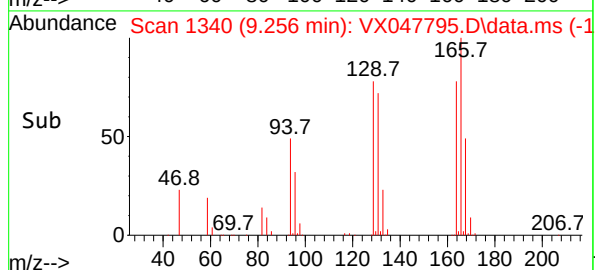
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

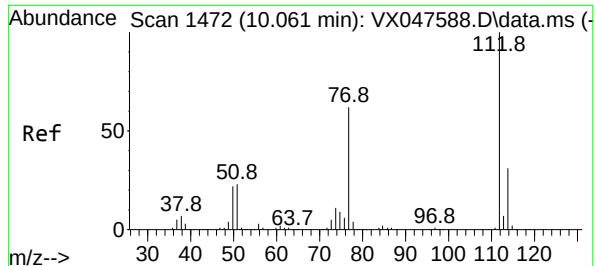


#64
Tetrachloroethene
Concen: 54.134 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56



Tgt Ion:164 Resp: 77730
Ion Ratio Lower Upper
164 100
166 128.9 100.2 150.2
129 101.1 81.8 122.6
131 93.0 78.6 118.0





#65

Chlorobenzene

Concen: 52.484 ug/l

RT: 10.061 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 26262

Ion Ratio Lower Upper

112 100

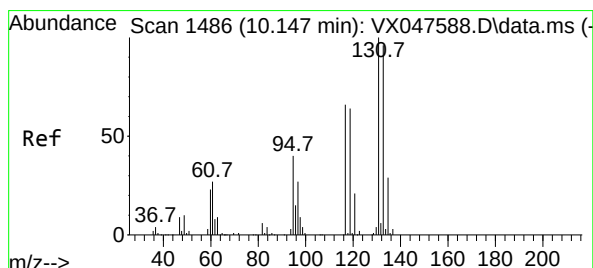
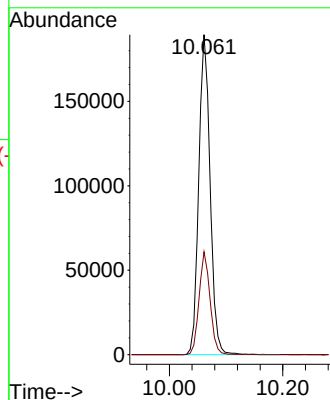
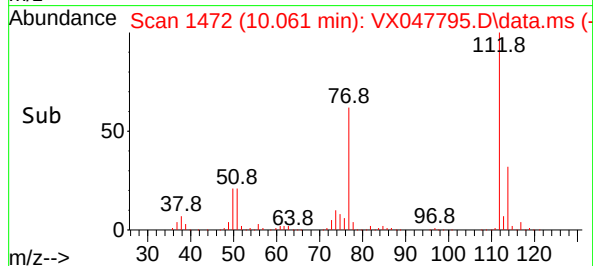
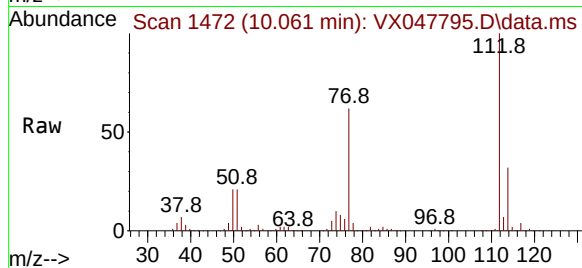
114 32.2 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 52.723 ug/l

RT: 10.147 min Scan# 1486

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

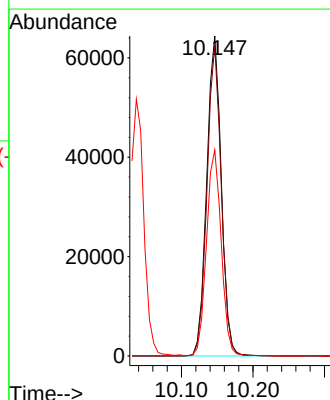
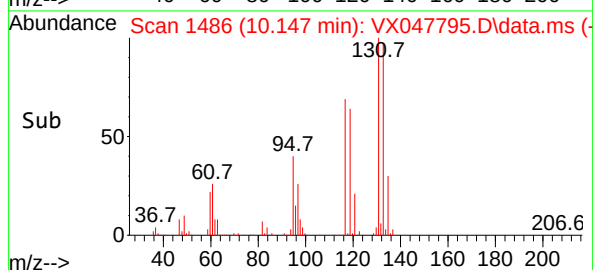
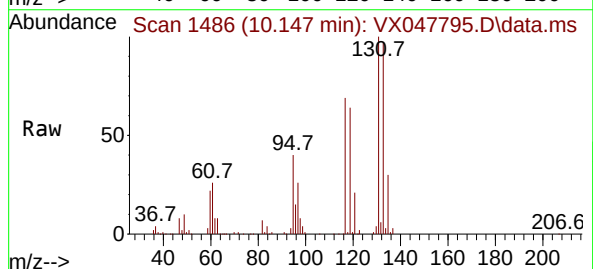
Tgt Ion:131 Resp: 91037

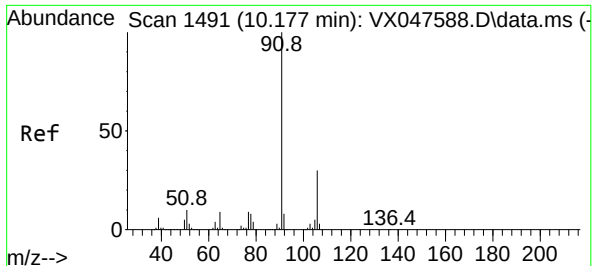
Ion Ratio Lower Upper

131 100

133 95.1 47.3 142.0

119 65.3 32.0 96.0





#67

Ethyl Benzene

Concen: 51.323 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 443118

Ion Ratio Lower Upper

91 100

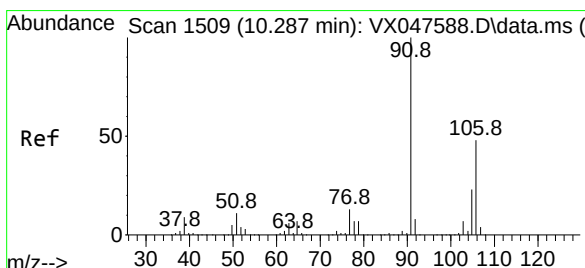
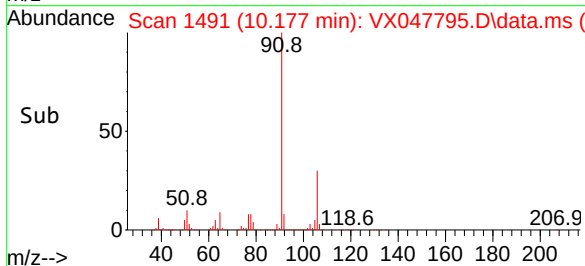
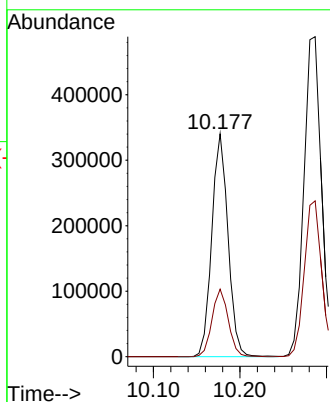
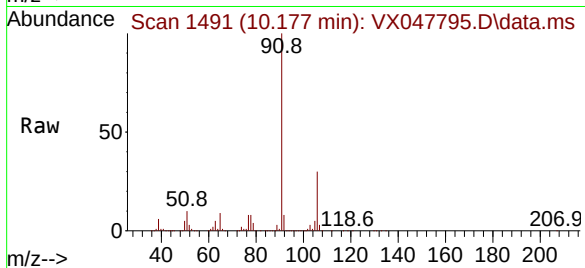
106 30.3 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#68

m/p-Xylenes

Concen: 103.770 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX047795.D

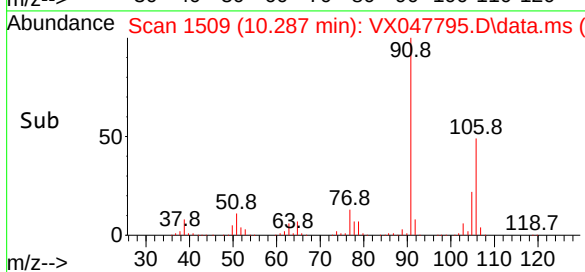
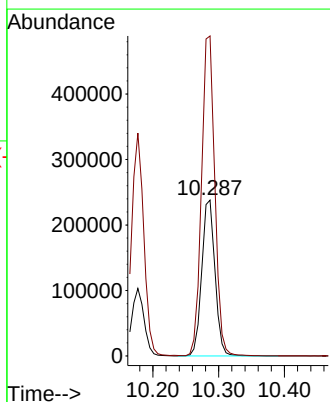
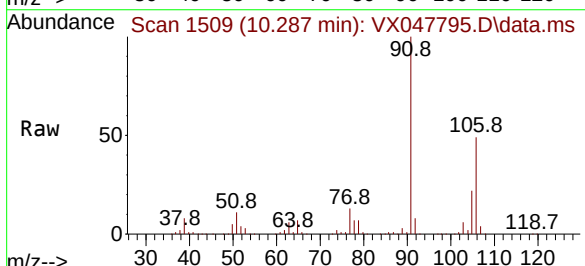
Acq: 25 Sep 2025 08:56

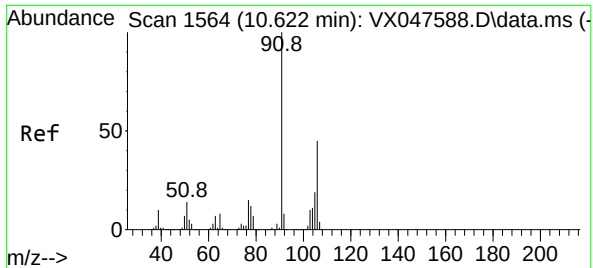
Tgt Ion:106 Resp: 333476

Ion Ratio Lower Upper

106 100

91 206.2 167.8 251.8





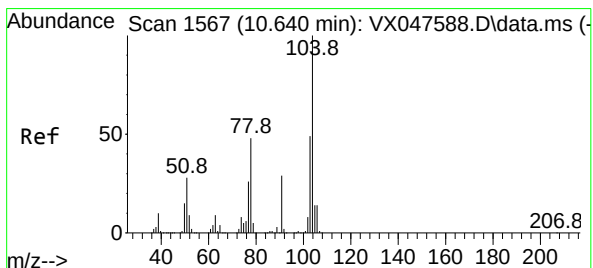
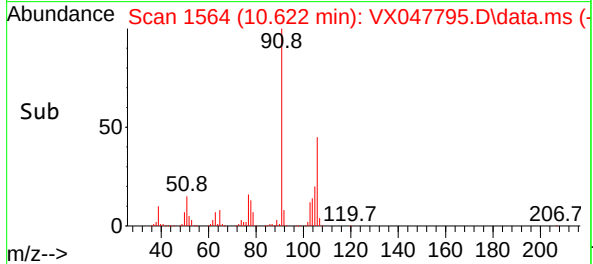
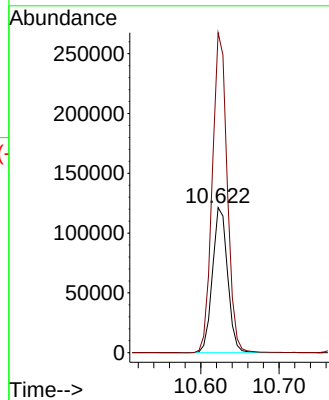
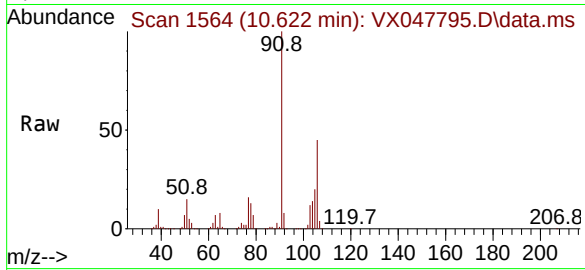
#69
o-Xylene
Concen: 52.252 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 162415
Ion Ratio Lower Upper
106 100
91 217.6 111.1 333.4

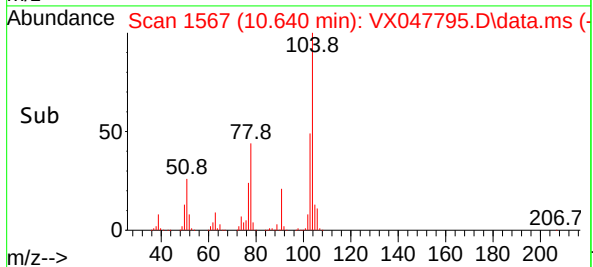
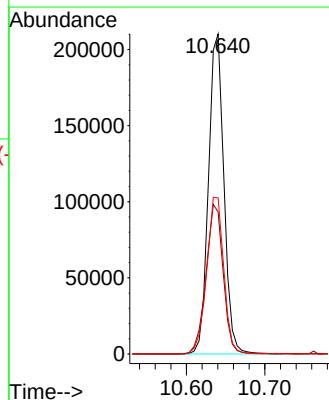
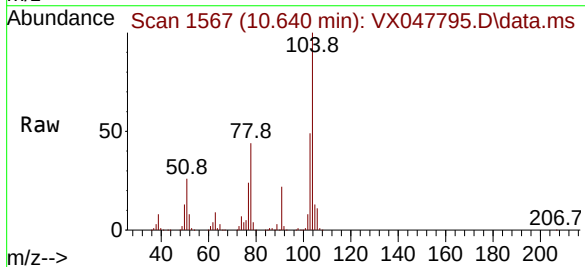
Manual Integrations
APPROVED

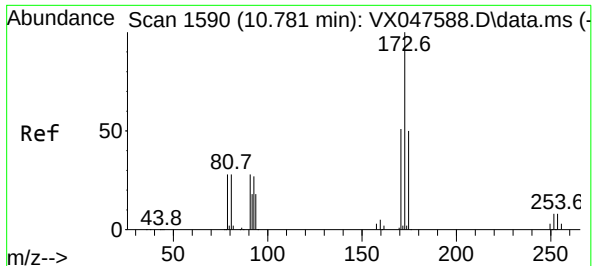
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#70
Styrene
Concen: 52.692 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

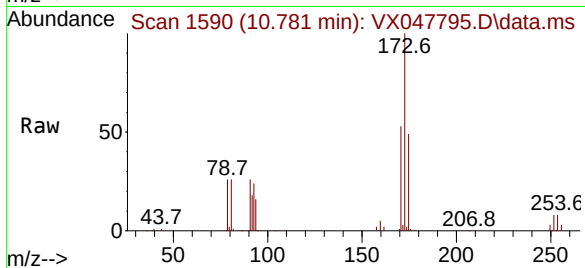
Tgt Ion:104 Resp: 286982
Ion Ratio Lower Upper
104 100
78 52.0 43.1 64.7
103 54.2 43.1 64.7





#71
Bromoform
Concen: 54.326 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

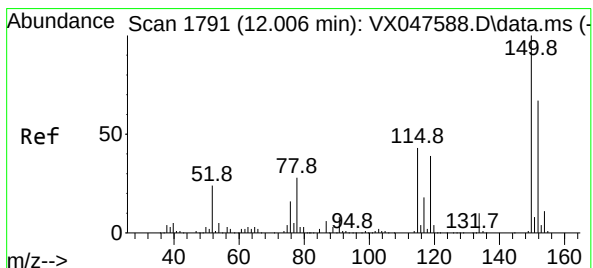
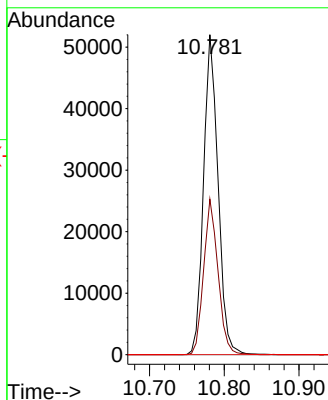
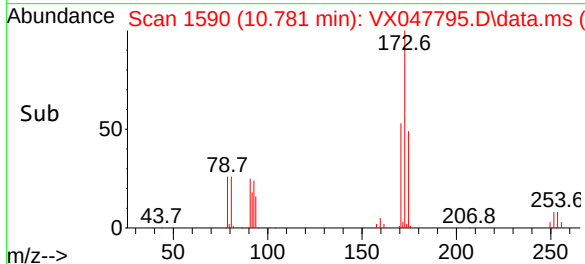
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:173 Resp: 70044
Ion Ratio Lower Upper
173 100
175 48.3 24.9 74.6
254 0.0 0.1 0.1

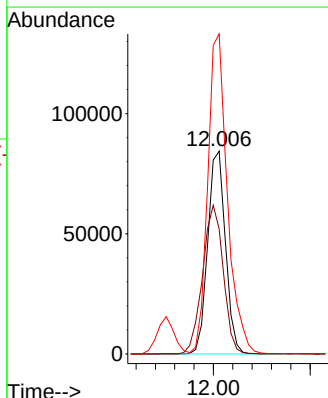
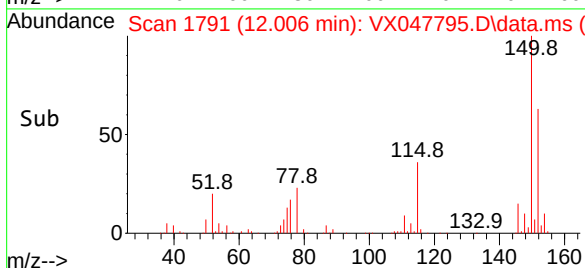
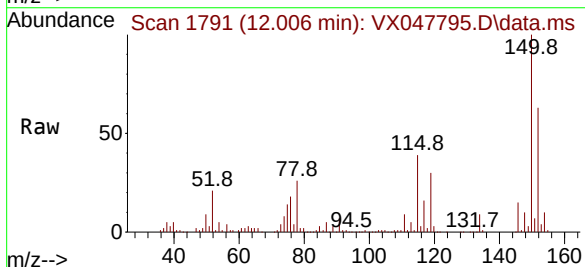
Manual Integrations
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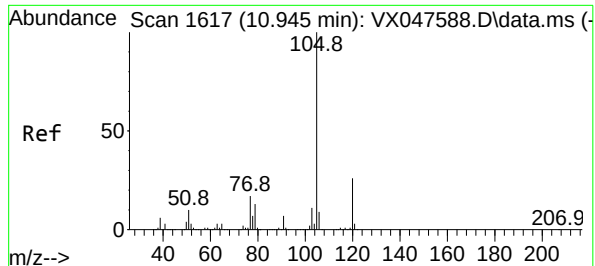
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion:152 Resp: 107538
Ion Ratio Lower Upper
152 100
115 85.6 44.9 134.5
150 174.4 0.0 352.0





#73

Isopropylbenzene

Concen: 50.350 ug/l

RT: 10.945 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 41165

Ion Ratio Lower Upper

105 100

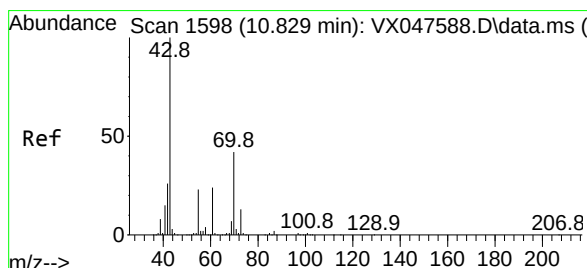
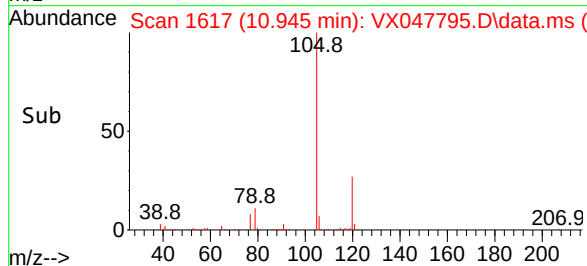
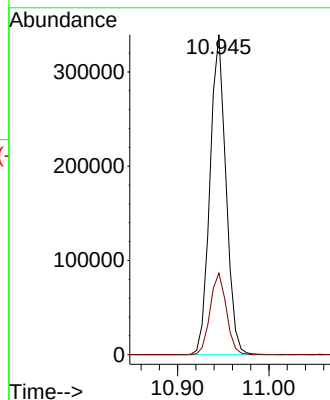
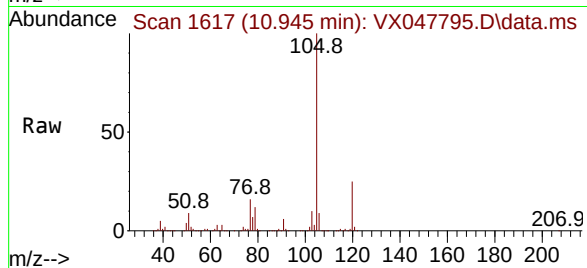
120 25.8 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#74

N-ethyl acetate

Concen: 52.937 ug/l

RT: 10.823 min Scan# 1597

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Tgt Ion: 43 Resp: 197362

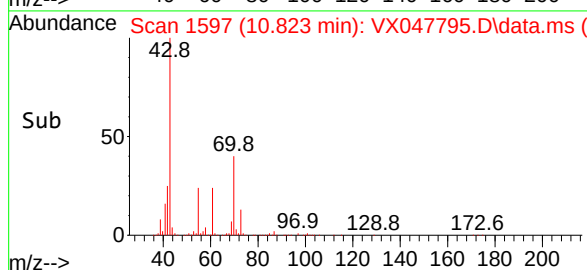
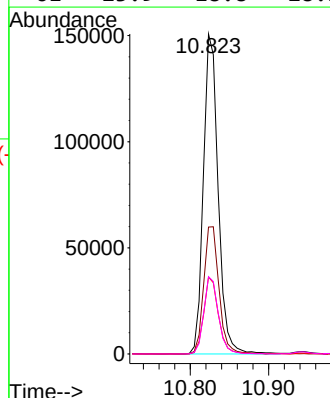
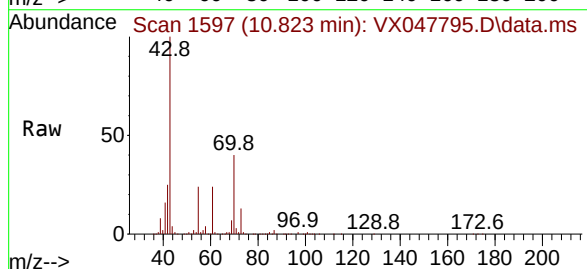
Ion Ratio Lower Upper

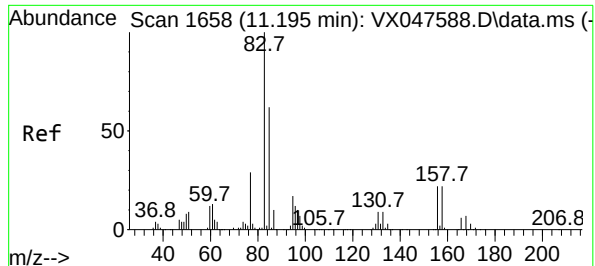
43 100

70 41.2 32.0 48.0

55 24.0 18.9 28.3

61 23.9 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 55.331 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 136864

Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

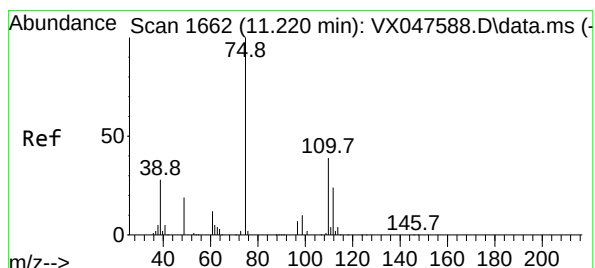
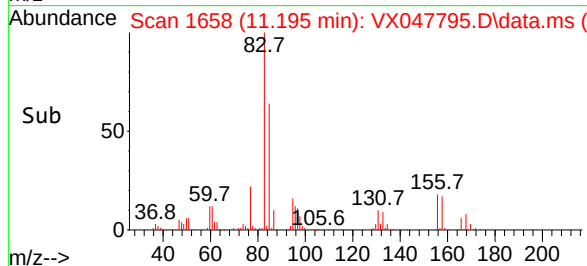
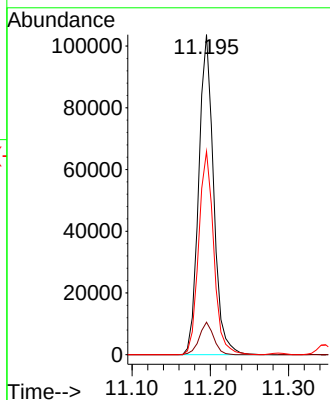
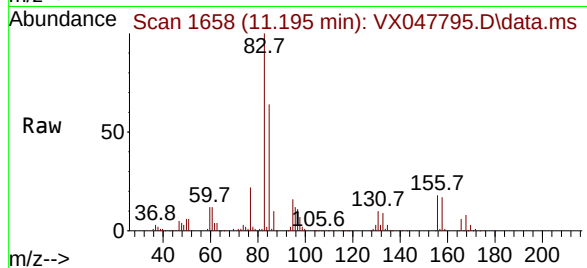
85 64.3 31.6 95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#76

1,2,3-Trichloropropane

Concen: 49.670 ug/l m

RT: 11.220 min Scan# 1662

Delta R.T. -0.000 min

Lab File: VX047795.D

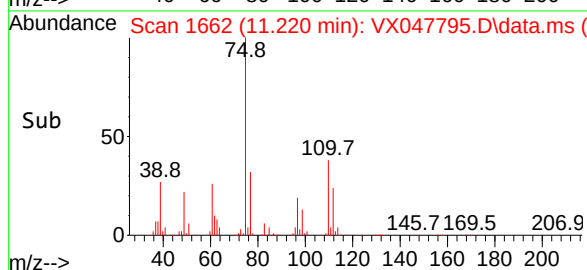
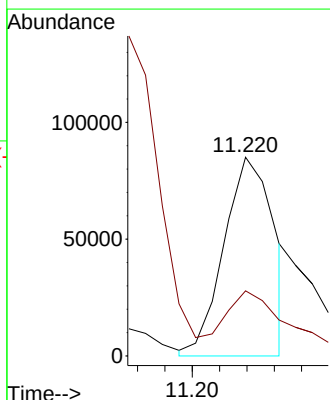
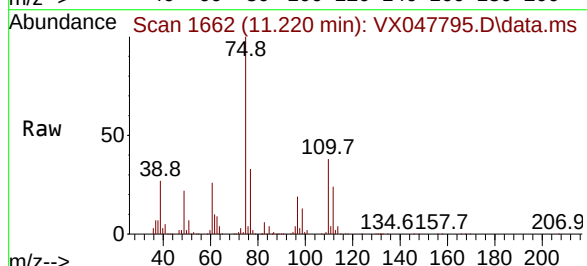
Acq: 25 Sep 2025 08:56

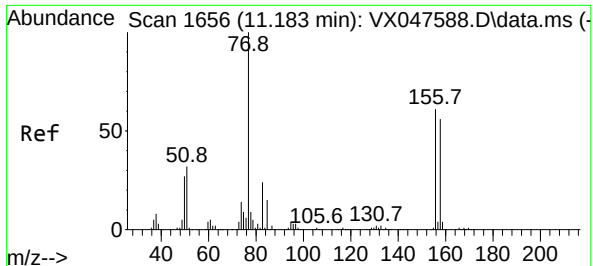
Tgt Ion: 75 Resp: 108147

Ion Ratio Lower Upper

75 100

77 42.9 18.8 56.4





#77

Bromobenzene

Concen: 51.743 ug/l

RT: 11.177 min Scan# 1655

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 104192

Ion Ratio Lower Upper

156 100

77 170.6 89.7 269.1

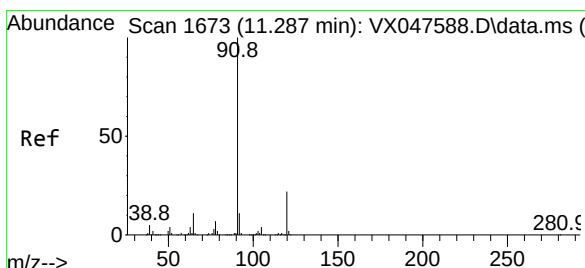
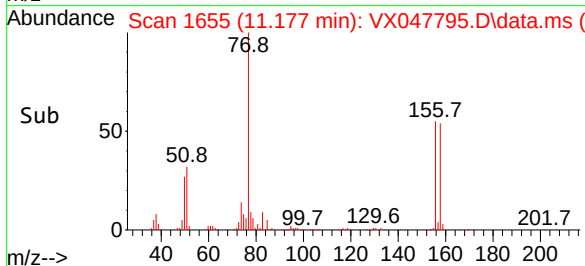
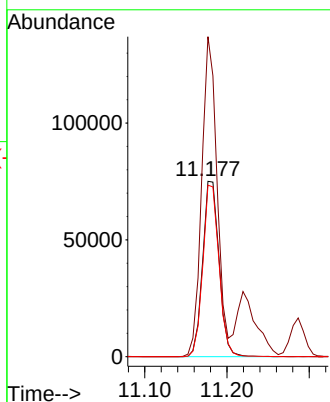
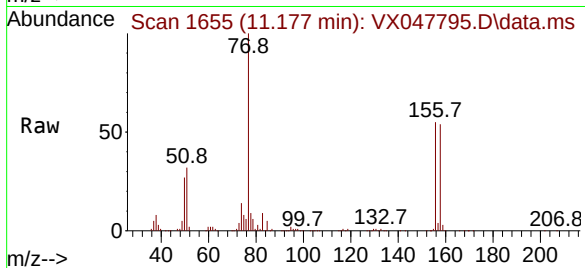
158 96.6 47.9 143.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#78

n-propylbenzene

Concen: 49.629 ug/l

RT: 11.287 min Scan# 1673

Delta R.T. -0.000 min

Lab File: VX047795.D

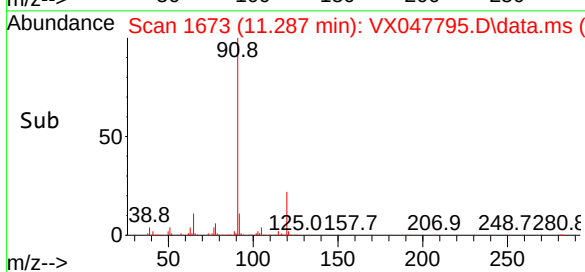
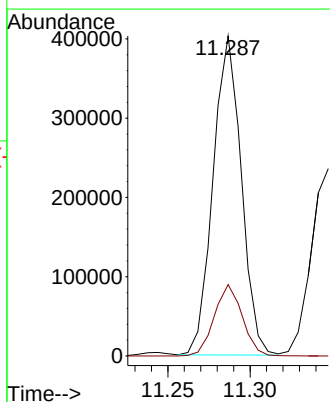
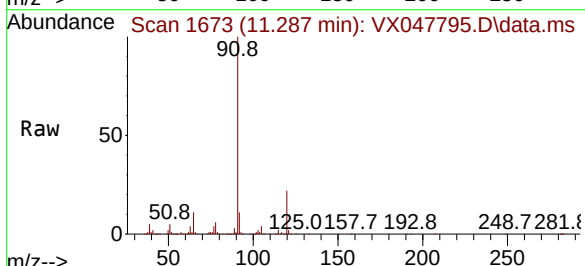
Acq: 25 Sep 2025 08:56

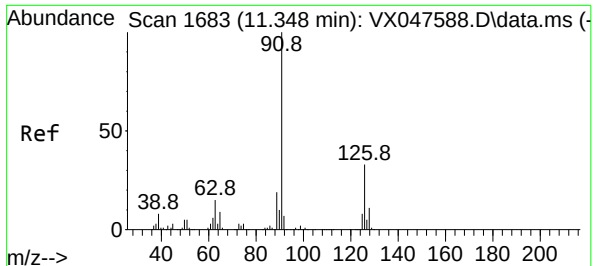
Tgt Ion: 91 Resp: 479655

Ion Ratio Lower Upper

91 100

120 22.1 11.1 33.1





#79

2-Chlorotoluene

Concen: 49.940 ug/l

RT: 11.348 min Scan# 1683

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 29561

Ion Ratio Lower Upper

91 100

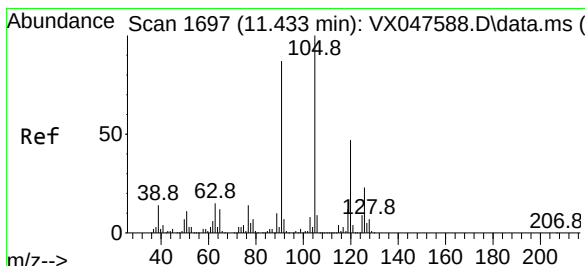
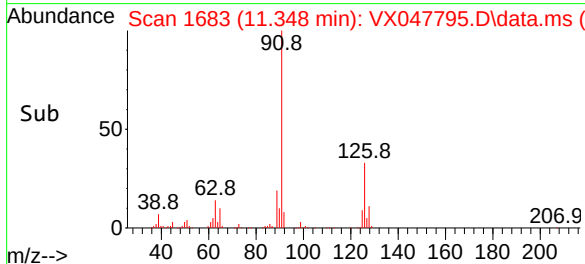
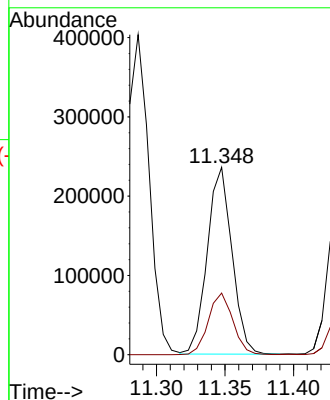
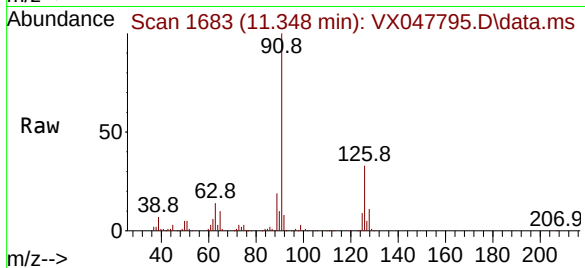
126 32.8 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#80

1,3,5-Trimethylbenzene

Concen: 49.936 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX047795.D

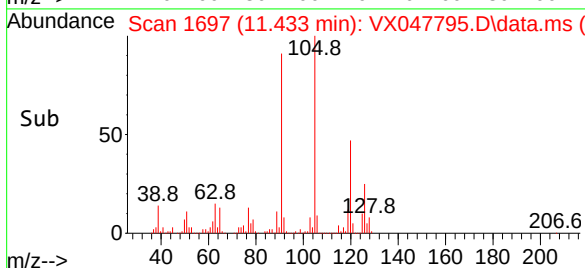
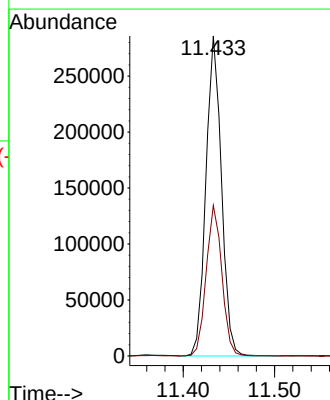
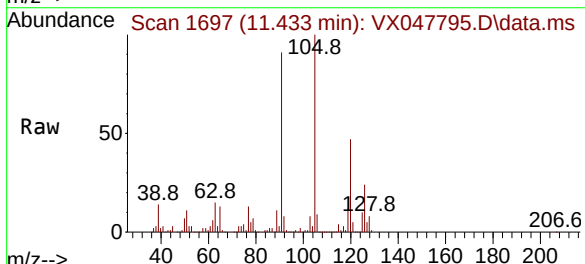
Acq: 25 Sep 2025 08:56

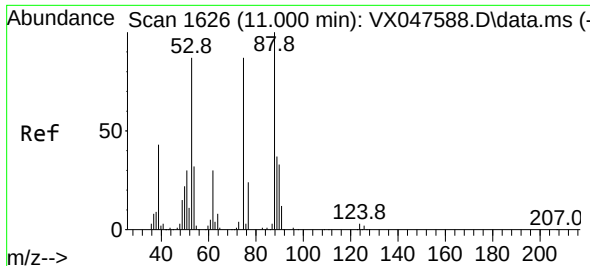
Tgt Ion:105 Resp: 335426

Ion Ratio Lower Upper

105 100

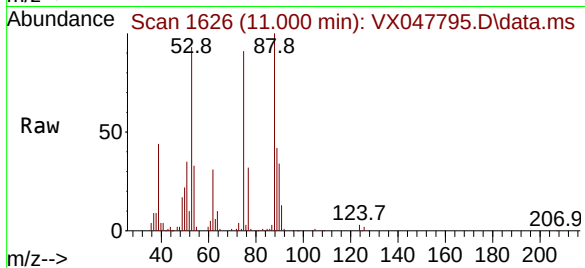
120 47.6 23.6 70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 40.415 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

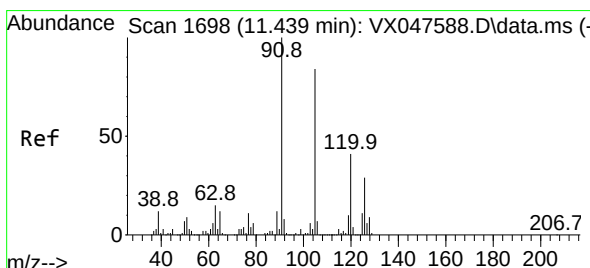
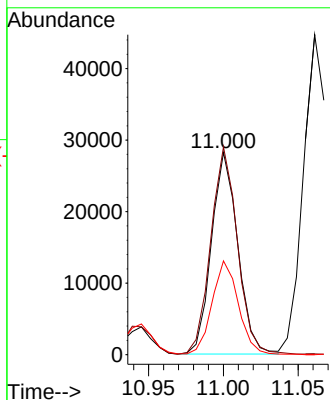
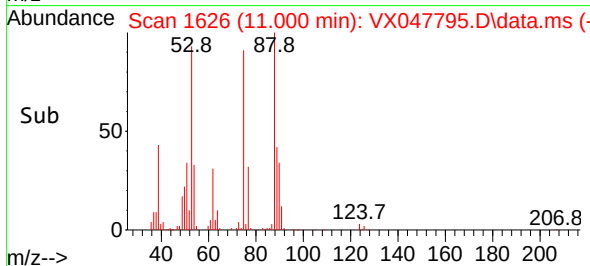
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 34500
Ion Ratio Lower Upper
75 100
53 105.3 83.4 125.2
89 46.9 36.3 54.5

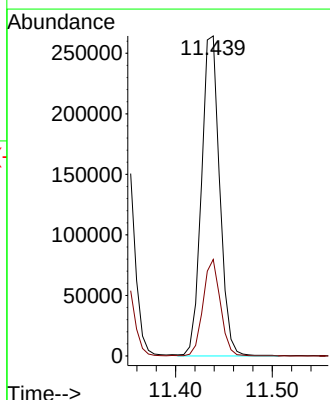
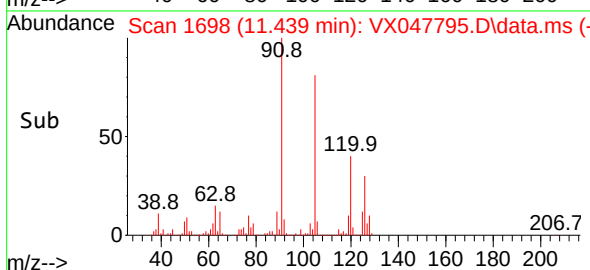
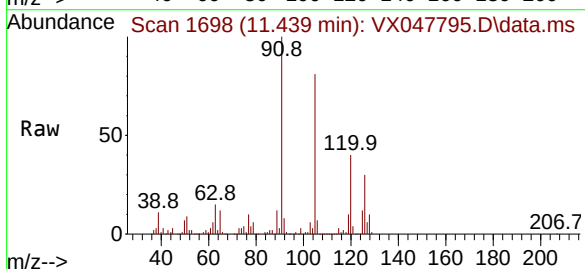
Manual Integrations
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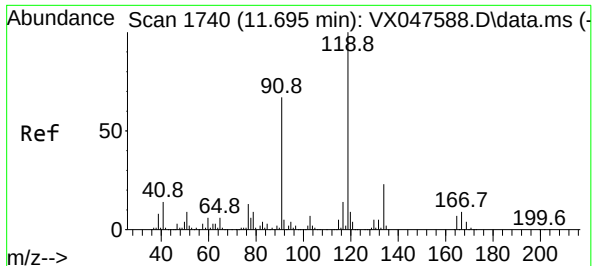
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#82
4-Chlorotoluene
Concen: 49.519 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 91 Resp: 346198
Ion Ratio Lower Upper
91 100
126 28.8 14.2 42.6





#83

tert-Butylbenzene

Concen: 47.721 ug/l

RT: 11.695 min Scan# 1740

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 328139

Ion Ratio Lower Upper

119 100

91 59.7 29.6 88.8

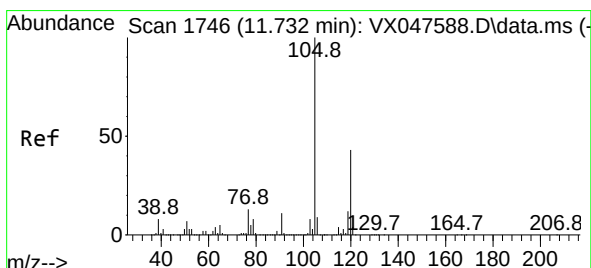
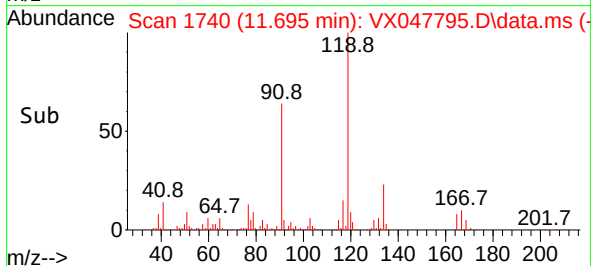
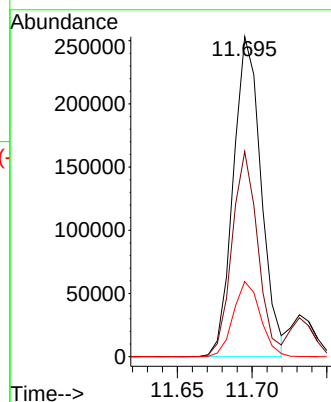
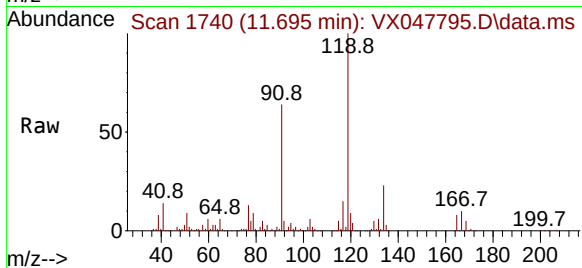
134 22.9 11.0 33.0

Manual Integrations

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Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#84

1,2,4-Trimethylbenzene

Concen: 50.330 ug/l

RT: 11.732 min Scan# 1746

Delta R.T. -0.000 min

Lab File: VX047795.D

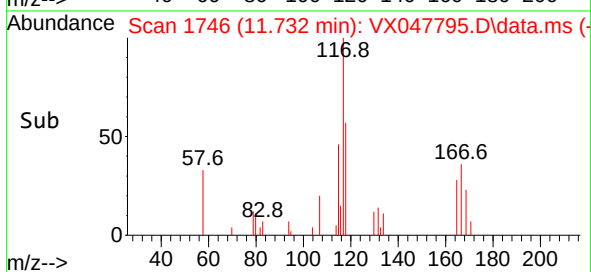
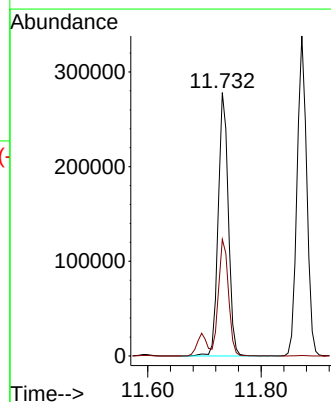
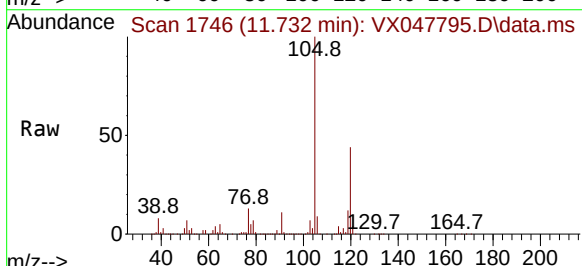
Acq: 25 Sep 2025 08:56

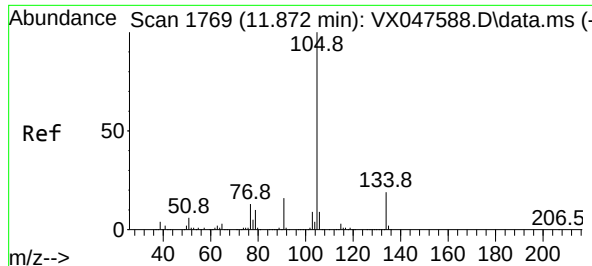
Tgt Ion:105 Resp: 342751

Ion Ratio Lower Upper

105 100

120 43.6 22.1 66.1





#85

sec-Butylbenzene

Concen: 48.893 ug/l

RT: 11.872 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 399335

Ion Ratio Lower Upper

105 100

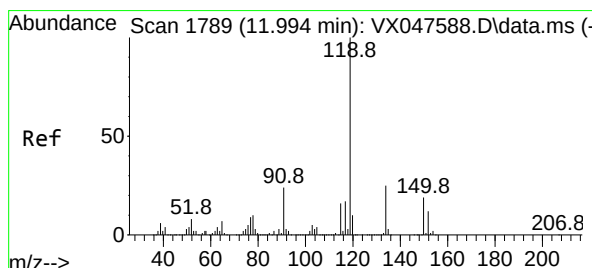
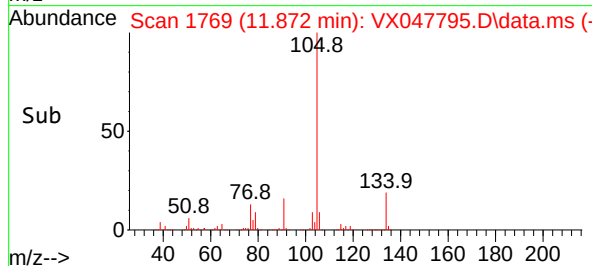
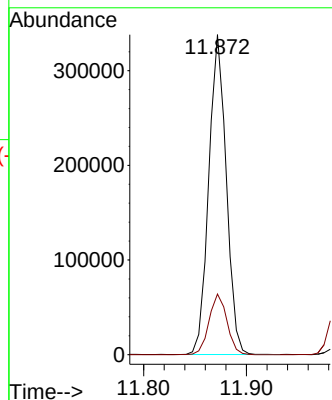
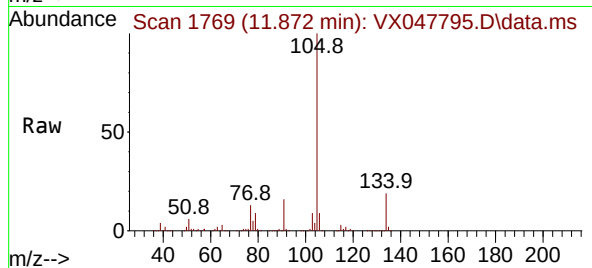
134 19.4 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#86

p-Isopropyltoluene

Concen: 48.621 ug/l

RT: 11.988 min Scan# 1788

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

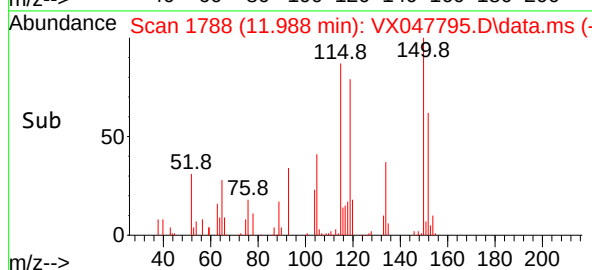
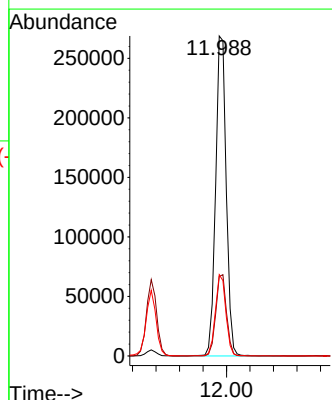
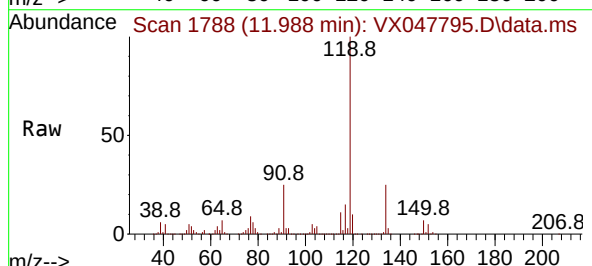
Tgt Ion:119 Resp: 336196

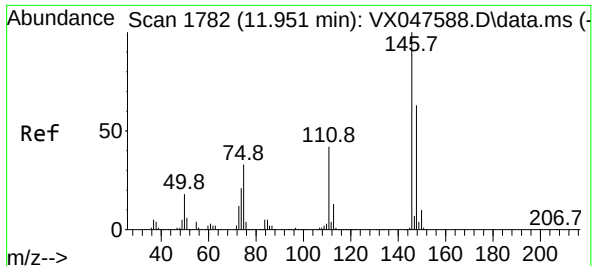
Ion Ratio Lower Upper

119 100

134 25.6 12.6 37.8

91 25.2 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 50.255 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 187962

Ion Ratio Lower Upper

146 100

111 41.2 21.5 64.5

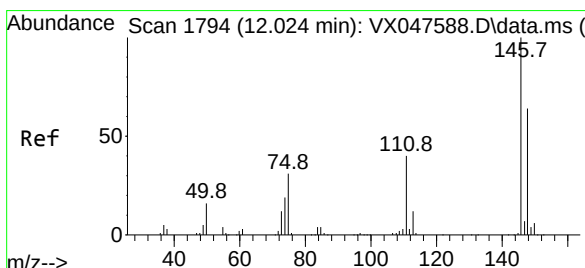
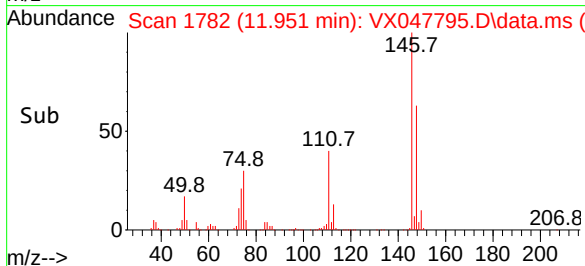
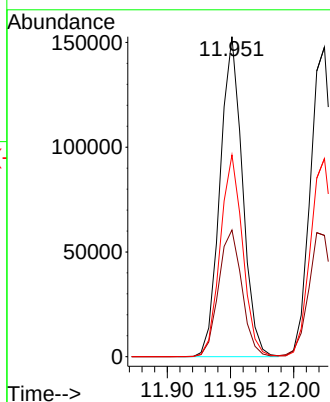
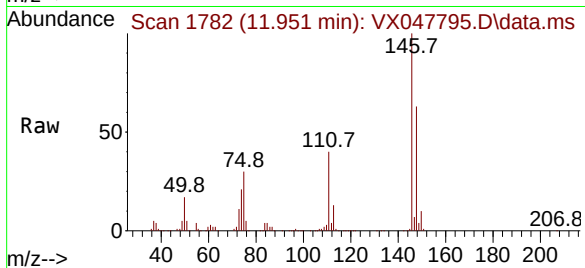
148 63.0 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#88

1,4-Dichlorobenzene

Concen: 49.035 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

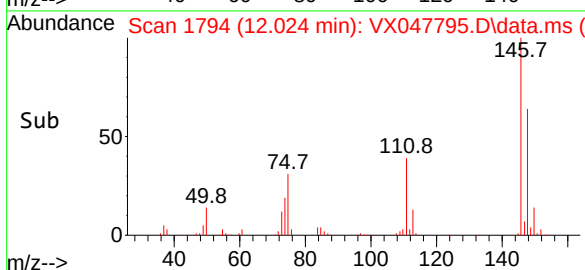
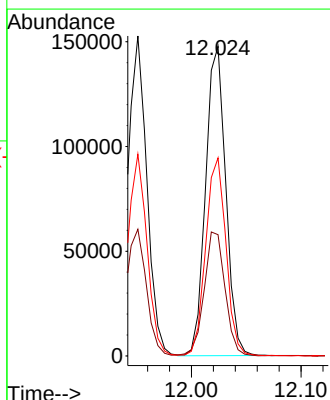
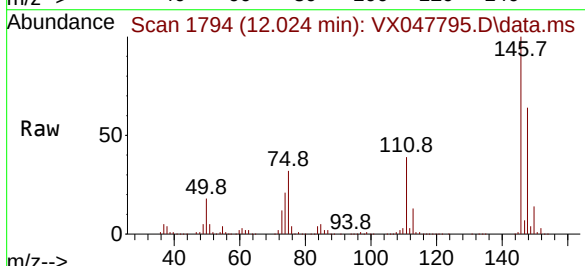
Tgt Ion:146 Resp: 188229

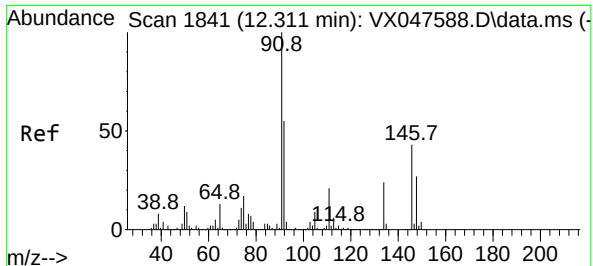
Ion Ratio Lower Upper

146 100

111 41.6 20.8 62.4

148 64.9 31.7 95.1





#89

n-Butylbenzene

Concen: 46.765 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

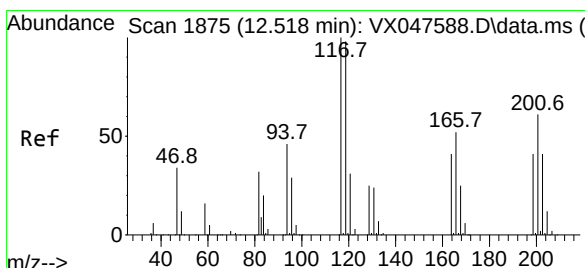
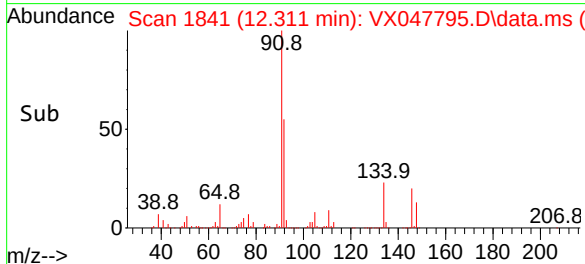
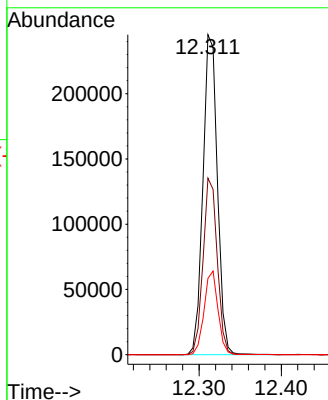
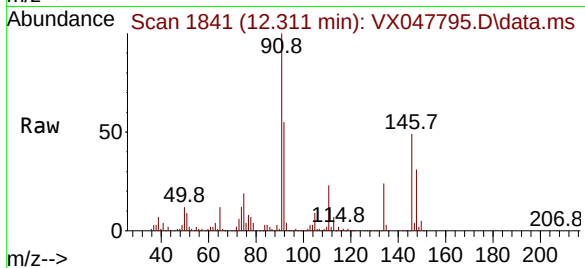
VSTDCCC050

Tgt Ion:	91	Resp:	299204
Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.6	82.7
134	25.2	12.6	37.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#90

Hexachloroethane

Concen: 50.062 ug/l

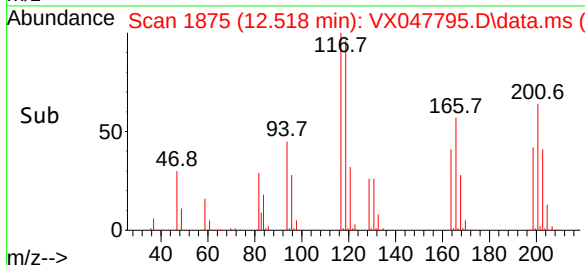
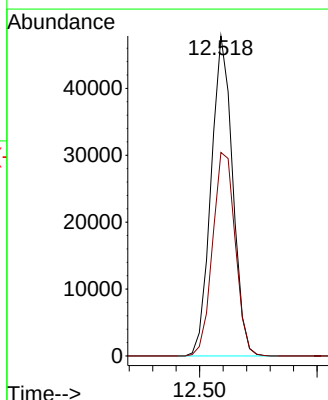
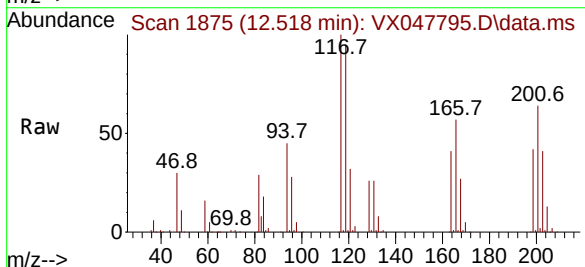
RT: 12.518 min Scan# 1875

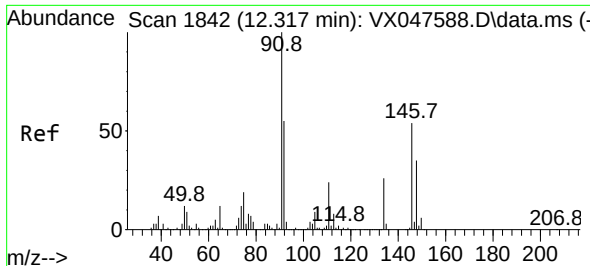
Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

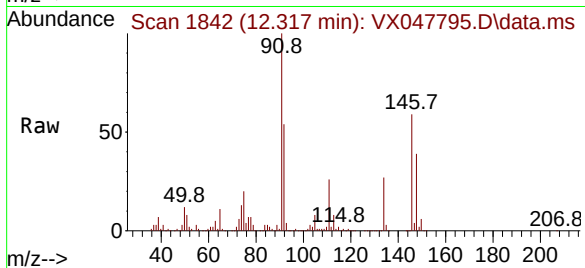
Tgt Ion:	117	Resp:	60775
Ion	Ratio	Lower	Upper
117	100		
201	67.0	34.2	102.5





#91
1,2-Dichlorobenzene
Concen: 50.965 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

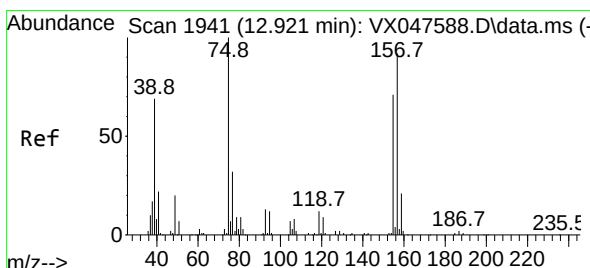
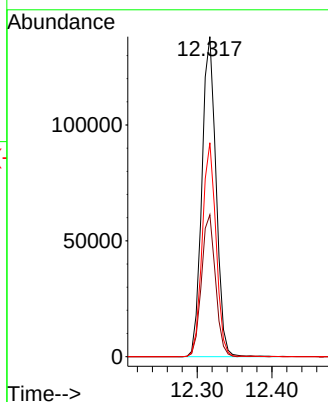
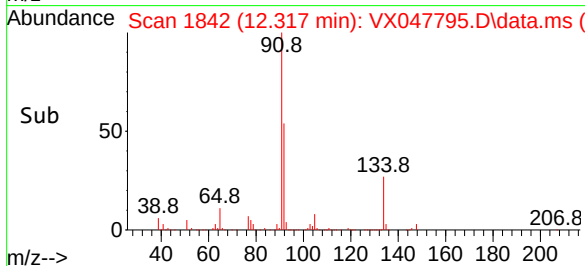
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



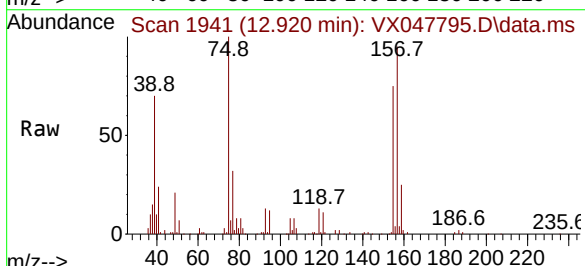
Tgt Ion: 146 Resp: 181599
Ion Ratio Lower Upper
146 100
111 43.7 22.2 66.6
148 64.9 31.8 95.4

Manual Integrations
APPROVED

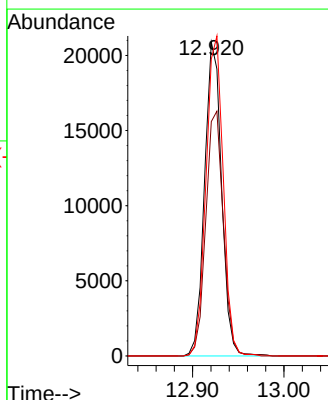
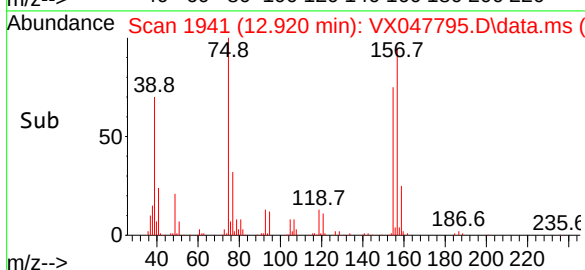
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

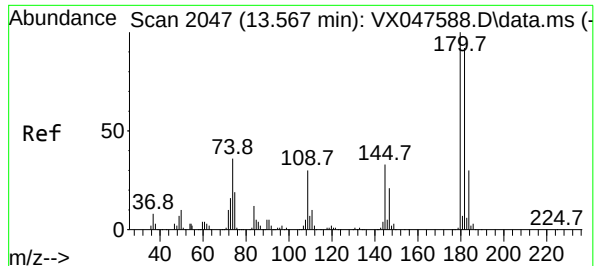


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.714 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56



Tgt Ion: 75 Resp: 26900
Ion Ratio Lower Upper
75 100
155 80.8 37.7 113.1
157 103.2 49.8 149.4





#93

1,2,4-Trichlorobenzene

Concen: 48.251 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 111739

Ion Ratio Lower Upper

180 100

182 95.1 46.6 139.8

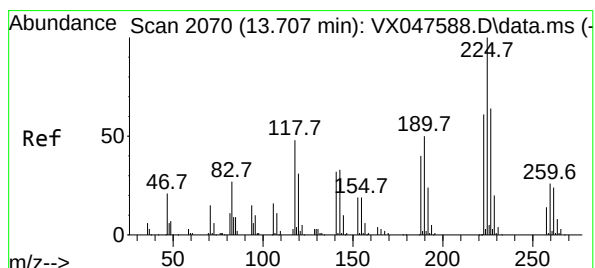
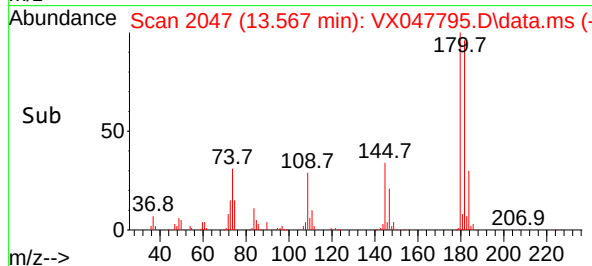
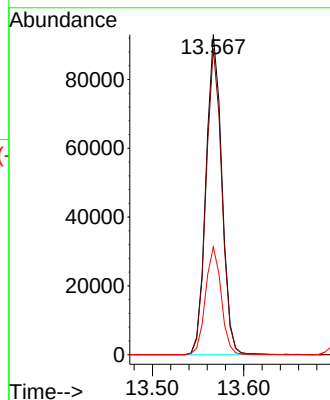
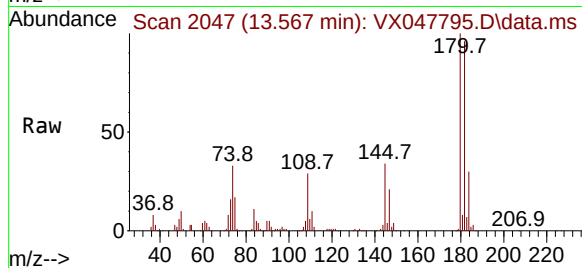
145 33.3 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#94

Hexachlorobutadiene

Concen: 46.224 ug/l

RT: 13.701 min Scan# 2069

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

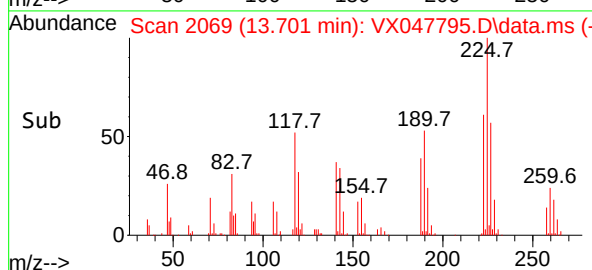
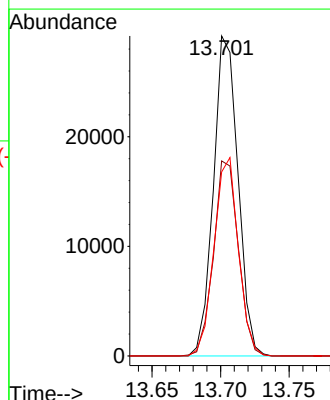
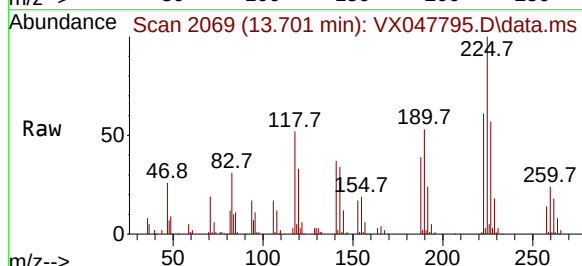
Tgt Ion:225 Resp: 36360

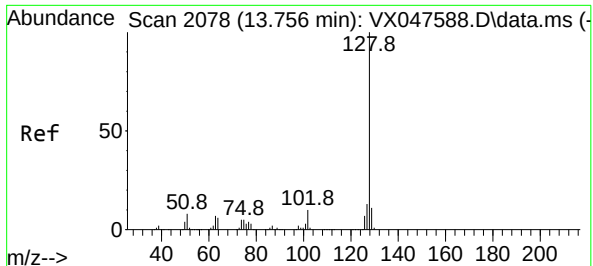
Ion Ratio Lower Upper

225 100

223 61.7 31.7 95.1

227 61.5 32.0 96.0





#95

Naphthalene

Concen: 52.388 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 369424

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

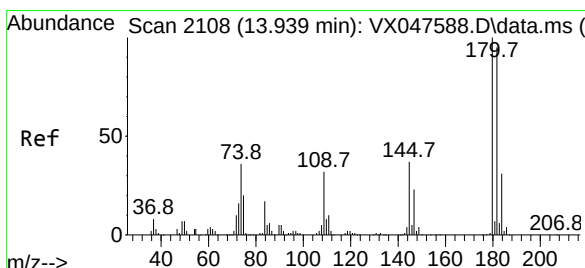
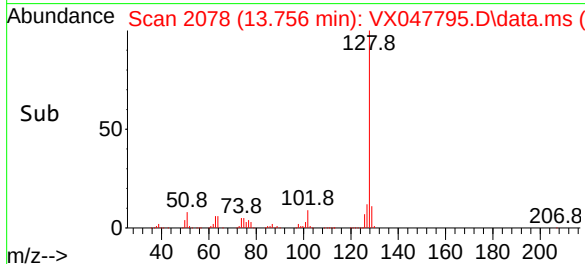
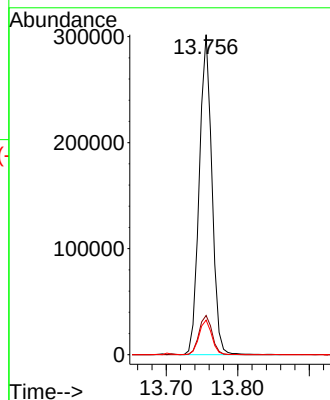
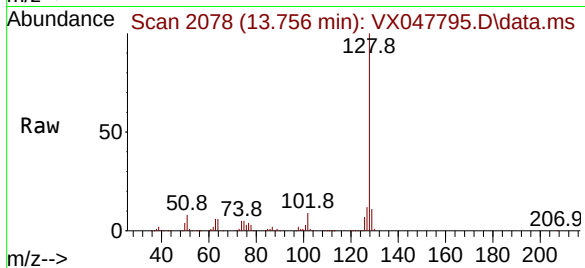
129 11.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#96

1,2,3-Trichlorobenzene

Concen: 50.695 ug/l

RT: 13.939 min Scan# 2108

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

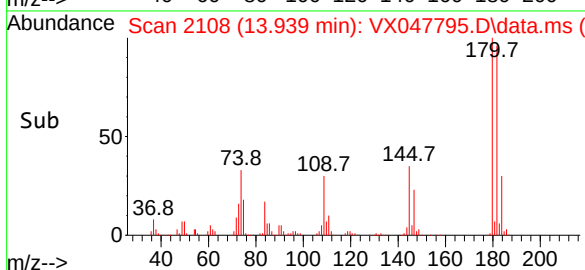
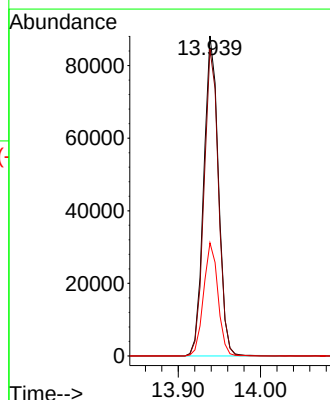
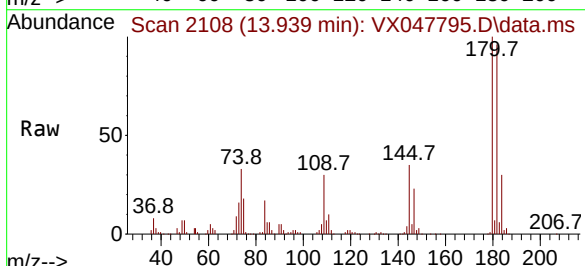
Tgt Ion:180 Resp: 109206

Ion Ratio Lower Upper

180 100

182 94.8 47.6 142.8

145 34.7 17.9 53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047795.D
Acq On : 25 Sep 2025 08:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 26 01:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	78	-0.01
2 T	Dichlorodifluoromethane	0.518	0.627	-21.0	98	0.00
3 P	Chloromethane	0.680	0.789	-16.0	94	0.00
4 C	Vinyl Chloride	0.666	0.779	-17.0#	92	0.00
5 T	Bromomethane	0.422	0.471	-11.6	87	0.00
6 T	Chloroethane	0.445	0.495	-11.2	88	0.00
7 T	Trichlorofluoromethane	0.989	1.083	-9.5	85	0.00
8 T	Diethyl Ether	0.405	0.451	-11.4	87	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.578	0.618	-6.9	83	0.00
10 T	Methyl Iodide	0.902	0.964	-6.9	83	0.00
11 T	Tert butyl alcohol	0.089	0.100	-12.4	88	0.00
12 CM	1,1-Dichloroethene	0.594	0.663	-11.6#	86	0.00
13 T	Acrolein	0.082	0.095	-15.9	92	0.00
14 T	Allyl chloride	1.226	1.201	2.0	78	0.00
15 T	Acrylonitrile	0.328	0.414	-26.2#	94	0.00
16 T	Acetone	0.346	0.336	2.9	83	0.00
17 T	Carbon Disulfide	1.626	1.765	-8.5	89	0.00
18 T	Methyl Acetate	0.770	0.985	-27.9#	88	0.00
19 T	Methyl tert-butyl Ether	2.169	2.414	-11.3	84	0.00
20 T	Methylene Chloride	0.732	0.817	-11.6	88	0.00
21 T	trans-1,2-Dichloroethene	0.640	0.703	-9.8	85	0.00
22 T	Diisopropyl ether	2.376	2.620	-10.3	83	-0.01
23 T	Vinyl Acetate	1.901	2.117	-11.4	83	0.00
24 P	1,1-Dichloroethane	1.263	1.370	-8.5	83	0.00
25 T	2-Butanone	0.432	0.496	-14.8	89	0.00
26 T	2,2-Dichloropropane	1.050	0.538	48.8#	40#	0.00
27 T	cis-1,2-Dichloroethene	0.783	0.854	-9.1	83	-0.01
28 T	Bromochloromethane	0.551	0.621	-12.7	84	-0.01
29 T	Tetrahydrofuran	0.260	0.319	-22.7	91	0.00
30 C	Chloroform	1.276	1.421	-11.4#	84	0.00
31 T	Cyclohexane	1.052	1.056	-0.4	80	0.00
32 T	1,1,1-Trichloroethane	1.082	1.142	-5.5	80	0.00
33 S	1,2-Dichloroethane-d4	0.796	0.817	-2.6	83	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	80	0.00
35 S	Dibromofluoromethane	0.335	0.351	-4.8	85	0.00
36 T	1,1-Dichloropropene	0.490	0.485	1.0	80	-0.01
37 T	Ethyl Acetate	0.525	0.587	-11.8	88	-0.01
38 T	Carbon Tetrachloride	0.532	0.538	-1.1	80	-0.01
39 T	Methylcyclohexane	0.556	0.530	4.7	75	0.00
40 TM	Benzene	1.488	1.598	-7.4	84	0.00
41 T	Methacrylonitrile	0.271	0.316	-16.6	89	0.00
42 TM	1,2-Dichloroethane	0.566	0.594	-4.9	82	0.00
43 T	Isopropyl Acetate	0.860	0.943	-9.7	84	0.00
44 TM	Trichloroethene	0.360	0.380	-5.6	82	0.00
45 C	1,2-Dichloropropane	0.381	0.418	-9.7#	84	0.00
46 T	Dibromomethane	0.277	0.297	-7.2	83	0.00
47 T	Bromodichloromethane	0.572	0.613	-7.2	81	0.00
48 T	Methyl methacrylate	0.429	0.477	-11.2	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047795.D
Acq On : 25 Sep 2025 08:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 26 01:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	0.004	0.006	-50.0#	96	0.00
50 S	Toluene-d8	1.160	1.182	-1.9	82	0.00
51 T	4-Methyl-2-Pentanone	0.477	0.566	-18.7	89	0.00
52 CM	Toluene	0.917	0.962	-4.9#	82	0.00
53 T	t-1,3-Dichloropropene	0.584	0.544	6.8	70	0.00
54 T	cis-1,3-Dichloropropene	0.624	0.601	3.7	74	0.00
55 T	1,1,2-Trichloroethane	0.354	0.390	-10.2	85	0.00
56 T	Ethyl methacrylate	0.555	0.624	-12.4	83	0.00
57 T	1,3-Dichloropropane	0.607	0.678	-11.7	85	0.00
58 T	2-Chloroethyl Vinyl ether	0.227	0.323	-42.3#	95	0.00
59 T	2-Hexanone	0.343	0.392	-14.3	87	0.00
60 T	Dibromochloromethane	0.407	0.449	-10.3	83	0.00
61 T	1,2-Dibromoethane	0.360	0.409	-13.6	86	0.00
62 S	4-Bromofluorobenzene	0.440	0.443	-0.7	83	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00
64 T	Tetrachloroethene	0.326	0.353	-8.3	88	0.00
65 PM	Chlorobenzene	1.136	1.192	-4.9	83	0.00
66 T	1,1,1,2-Tetrachloroethane	0.392	0.413	-5.4	81	0.00
67 C	Ethyl Benzene	1.960	2.012	-2.7#	80	0.00
68 T	m/p-Xylenes	0.729	0.757	-3.8	81	0.00
69 T	o-Xylene	0.706	0.737	-4.4	80	0.00
70 T	Styrene	1.236	1.303	-5.4	82	0.00
71 P	Bromoform	0.293	0.318	-8.5	83	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00
73 T	Isopropylbenzene	3.801	3.828	-0.7	80	0.00
74 T	N-amyl acetate	1.733	1.835	-5.9	83	0.00
75 P	1,1,2,2-Tetrachloroethane	1.150	1.273	-10.7	87	0.00
76 T	1,2,3-Trichloropropane	1.012	1.006	0.6	75	0.00
77 T	Bromobenzene	0.936	0.969	-3.5	83	0.00
78 T	n-propylbenzene	4.494	4.460	0.8	78	0.00
79 T	2-Chlorotoluene	2.752	2.749	0.1	79	0.00
80 T	1,3,5-Trimethylbenzene	3.123	3.119	0.1	79	0.00
81 T	trans-1,4-Dichloro-2-butene	0.397	0.321	19.1	65	0.00
82 T	4-Chlorotoluene	3.251	3.219	1.0	79	0.00
83 T	tert-Butylbenzene	3.197	3.051	4.6	76	0.00
84 T	1,2,4-Trimethylbenzene	3.166	3.187	-0.7	80	0.00
85 T	sec-Butylbenzene	3.797	3.713	2.2	78	0.00
86 T	p-Isopropyltoluene	3.215	3.126	2.8	77	0.00
87 T	1,3-Dichlorobenzene	1.739	1.748	-0.5	81	0.00
88 T	1,4-Dichlorobenzene	1.785	1.750	2.0	80	0.00
89 T	n-Butylbenzene	2.975	2.782	6.5	75	0.00
90 T	Hexachloroethane	0.564	0.565	-0.2	80	0.00
91 T	1,2-Dichlorobenzene	1.657	1.689	-1.9	81	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.233	0.250	-7.3	83	0.00
93 T	1,2,4-Trichlorobenzene	1.077	1.039	3.5	76	0.00
94 T	Hexachlorobutadiene	0.366	0.338	7.7	74	0.00
95 T	Naphthalene	3.279	3.435	-4.8	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047795.D
Acq On : 25 Sep 2025 08:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 26 01:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	1.016	-1.4	79	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047795.D
Acq On : 25 Sep 2025 08:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 26 01:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	78	-0.01
2 T	Dichlorodifluoromethane	50.000	60.561	-21.1	98	0.00
3 P	Chloromethane	50.000	58.004	-16.0	94	0.00
4 C	Vinyl Chloride	50.000	58.447	-16.9#	92	0.00
5 T	Bromomethane	50.000	55.750	-11.5	87	0.00
6 T	Chloroethane	50.000	55.564	-11.1	88	0.00
7 T	Trichlorofluoromethane	50.000	54.767	-9.5	85	0.00
8 T	Diethyl Ether	50.000	55.711	-11.4	87	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	53.429	-6.9	83	0.00
10 T	Methyl Iodide	50.000	53.431	-6.9	83	0.00
11 T	Tert butyl alcohol	250.000	281.323	-12.5	88	0.00
12 CM	1,1-Dichloroethene	50.000	55.766	-11.5#	86	0.00
13 T	Acrolein	250.000	291.917	-16.8	92	0.00
14 T	Allyl chloride	50.000	49.005	2.0	78	0.00
15 T	Acrylonitrile	250.000	315.422	-26.2#	94	0.00
16 T	Acetone	250.000	242.588	3.0	83	0.00
17 T	Carbon Disulfide	50.000	54.273	-8.5	89	0.00
18 T	Methyl Acetate	50.000	63.948	-27.9#	88	0.00
19 T	Methyl tert-butyl Ether	50.000	55.667	-11.3	84	0.00
20 T	Methylene Chloride	50.000	55.767	-11.5	88	0.00
21 T	trans-1,2-Dichloroethene	50.000	54.943	-9.9	85	0.00
22 T	Diisopropyl ether	50.000	55.145	-10.3	83	-0.01
23 T	Vinyl Acetate	250.000	278.368	-11.3	83	0.00
24 P	1,1-Dichloroethane	50.000	54.236	-8.5	83	0.00
25 T	2-Butanone	250.000	287.179	-14.9	89	0.00
26 T	2,2-Dichloropropane	50.000	25.628	48.7#	40	0.00
27 T	cis-1,2-Dichloroethene	50.000	54.540	-9.1	83	-0.01
28 T	Bromochloromethane	50.000	56.300	-12.6	84	-0.01
29 T	Tetrahydrofuran	250.000	307.408	-23.0	91	0.00
30 C	Chloroform	50.000	55.697	-11.4#	84	0.00
31 T	Cyclohexane	50.000	50.203	-0.4	80	0.00
32 T	1,1,1-Trichloroethane	50.000	52.743	-5.5	80	0.00
33 S	1,2-Dichloroethane-d4	50.000	51.305	-2.6	83	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	80	0.00
35 S	Dibromofluoromethane	50.000	52.379	-4.8	85	0.00
36 T	1,1-Dichloropropene	50.000	49.510	1.0	80	-0.01
37 T	Ethyl Acetate	50.000	55.984	-12.0	88	-0.01
38 T	Carbon Tetrachloride	50.000	50.553	-1.1	80	-0.01
39 T	Methylcyclohexane	50.000	47.613	4.8	75	0.00
40 TM	Benzene	50.000	53.689	-7.4	84	0.00
41 T	Methacrylonitrile	50.000	58.352	-16.7	89	0.00
42 TM	1,2-Dichloroethane	50.000	52.455	-4.9	82	0.00
43 T	Isopropyl Acetate	50.000	54.813	-9.6	84	0.00
44 TM	Trichloroethene	50.000	52.779	-5.6	82	0.00
45 C	1,2-Dichloropropane	50.000	54.802	-9.6#	84	0.00
46 T	Dibromomethane	50.000	53.611	-7.2	83	0.00
47 T	Bromodichloromethane	50.000	53.552	-7.1	81	0.00
48 T	Methyl methacrylate	50.000	55.683	-11.4	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047795.D
Acq On : 25 Sep 2025 08:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 26 01:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1335.620	-33.6#	96	0.00
50 S	Toluene-d8	50.000	50.933	-1.9	82	0.00
51 T	4-Methyl-2-Pentanone	250.000	296.468	-18.6	89	0.00
52 CM	Toluene	50.000	52.436	-4.9#	82	0.00
53 T	t-1,3-Dichloropropene	50.000	46.584	6.8	70	0.00
54 T	cis-1,3-Dichloropropene	50.000	48.178	3.6	74	0.00
55 T	1,1,2-Trichloroethane	50.000	55.106	-10.2	85	0.00
56 T	Ethyl methacrylate	50.000	56.190	-12.4	83	0.00
57 T	1,3-Dichloropropane	50.000	55.801	-11.6	85	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	300.637	-20.3	95	0.00
59 T	2-Hexanone	250.000	285.853	-14.3	87	0.00
60 T	Dibromochloromethane	50.000	55.147	-10.3	83	0.00
61 T	1,2-Dibromoethane	50.000	56.807	-13.6	86	0.00
62 S	4-Bromofluorobenzene	50.000	50.317	-0.6	83	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	82	0.00
64 T	Tetrachloroethene	50.000	54.134	-8.3	88	0.00
65 PM	Chlorobenzene	50.000	52.484	-5.0	83	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.723	-5.4	81	0.00
67 C	Ethyl Benzene	50.000	51.323	-2.6#	80	0.00
68 T	m/p-Xylenes	100.000	103.770	-3.8	81	0.00
69 T	o-Xylene	50.000	52.252	-4.5	80	0.00
70 T	Styrene	50.000	52.692	-5.4	82	0.00
71 P	Bromoform	50.000	54.326	-8.7	83	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	84	0.00
73 T	Isopropylbenzene	50.000	50.350	-0.7	80	0.00
74 T	N-amyl acetate	50.000	52.937	-5.9	83	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	55.331	-10.7	87	0.00
76 T	1,2,3-Trichloropropane	50.000	49.670	0.7	75	0.00
77 T	Bromobenzene	50.000	51.743	-3.5	83	0.00
78 T	n-propylbenzene	50.000	49.629	0.7	78	0.00
79 T	2-Chlorotoluene	50.000	49.940	0.1	79	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.936	0.1	79	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	40.415	19.2	65	0.00
82 T	4-Chlorotoluene	50.000	49.519	1.0	79	0.00
83 T	tert-Butylbenzene	50.000	47.721	4.6	76	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.330	-0.7	80	0.00
85 T	sec-Butylbenzene	50.000	48.893	2.2	78	0.00
86 T	p-Isopropyltoluene	50.000	48.621	2.8	77	0.00
87 T	1,3-Dichlorobenzene	50.000	50.255	-0.5	81	0.00
88 T	1,4-Dichlorobenzene	50.000	49.035	1.9	80	0.00
89 T	n-Butylbenzene	50.000	46.765	6.5	75	0.00
90 T	Hexachloroethane	50.000	50.062	-0.1	80	0.00
91 T	1,2-Dichlorobenzene	50.000	50.965	-1.9	81	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	53.714	-7.4	83	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.251	3.5	76	0.00
94 T	Hexachlorobutadiene	50.000	46.224	7.6	74	0.00
95 T	Naphthalene	50.000	52.388	-4.8	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047795.D
Acq On : 25 Sep 2025 08:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 26 01:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.695	-1.4	79	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:	<u>Alliance</u>	Contract:	<u>TETRO6</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3165</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/25/2025</u> <u>19:09</u>
Lab File ID:	<u>VX047823.D</u>	Init. Calib. Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23</u> <u>12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.570		10.04	50
Chloromethane	0.680	0.706	0.1	3.82	50
Vinyl Chloride	0.666	0.715		7.36	50
Bromomethane	0.422	0.476		12.8	50
Chloroethane	0.445	0.468		5.17	50
Trichlorofluoromethane	0.989	1.012		2.33	50
1,1,2-Trichlorotrifluoroethane	0.578	0.582		0.69	50
1,1-Dichloroethene	0.594	0.611		2.86	50
Acetone	0.346	0.295		-14.74	50
Carbon Disulfide	1.626	1.666		2.46	50
Methyl tert-butyl Ether	2.169	2.267		4.52	50
Methyl Acetate	0.770	0.897		16.49	50
Methylene Chloride	0.732	0.760		3.83	50
trans-1,2-Dichloroethene	0.640	0.669		4.53	50
1,1-Dichloroethane	1.263	1.314	0.1	4.04	50
Cyclohexane	1.052	1.017		-3.33	50
2-Butanone	0.432	0.457		5.79	50
Carbon Tetrachloride	0.532	0.519		-2.44	50
cis-1,2-Dichloroethene	0.783	0.823		5.11	50
Bromochloromethane	0.551	0.605		9.8	50
Chloroform	1.276	1.355		6.19	50
1,1,1-Trichloroethane	1.082	1.111		2.68	50
Methylcyclohexane	0.556	0.527		-5.22	50
Benzene	1.488	1.537		3.29	50
1,2-Dichloroethane	0.566	0.566		0	50
Trichloroethene	0.360	0.370		2.78	50
1,2-Dichloropropane	0.381	0.403		5.77	50
Bromodichloromethane	0.572	0.597		4.37	50
4-Methyl-2-Pentanone	0.477	0.541		13.42	50
Toluene	0.917	0.955		4.14	50
t-1,3-Dichloropropene	0.584	0.574		-1.71	50
cis-1,3-Dichloropropene	0.624	0.627		0.48	50
1,1,2-Trichloroethane	0.354	0.385		8.76	50
2-Hexanone	0.343	0.377		9.91	50
Dibromochloromethane	0.407	0.444		9.09	50
1,2-Dibromoethane	0.360	0.402		11.67	50
Tetrachloroethene	0.326	0.327		0.31	50
Chlorobenzene	1.136	1.165	0.3	2.55	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:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3165</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>09/25/2025</u> <u>19:09</u>
Lab File ID:	<u>VX047823.D</u>	Init. Calib. Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23</u> <u>12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	1.999		1.99	50
m/p-Xylenes	0.729	0.748		2.61	50
o-Xylene	0.706	0.733		3.82	50
Styrene	1.236	1.280		3.56	50
Bromoform	0.293	0.319	0.1	8.87	50
Isopropylbenzene	3.801	3.759		-1.11	50
1,1,2,2-Tetrachloroethane	1.150	1.240	0.3	7.83	50
1,3-Dichlorobenzene	1.739	1.729		-0.57	50
1,4-Dichlorobenzene	1.785	1.757		-1.57	50
1,2-Dichlorobenzene	1.657	1.693		2.17	50
1,2-Dibromo-3-Chloropropane	0.233	0.237		1.72	50
1,2,4-Trichlorobenzene	1.077	1.045		-2.97	50
1,2,3-Trichlorobenzene	1.002	1.018		1.6	50
1,2-Dichloroethane-d4	0.796	0.769		-3.39	50
Dibromofluoromethane	0.335	0.335		0	50
Toluene-d8	1.160	1.142		-1.55	50
4-Bromofluorobenzene	0.440	0.431		-2.05	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\VX092525\
 Data File : VX047823.D
 Acq On : 25 Sep 2025 19:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By : John Carlone 09/26/2025
 Supervised By : Mahesh Dadoda 09/29/2025

Quant Time: Sep 26 01:35:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	138162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	250600	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	227187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	111205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	106288	48.331	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.660%		
35) Dibromofluoromethane	5.373	113	84043	50.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.020%		
50) Toluene-d8	8.635	98	286276	49.227	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.460%		
62) 4-Bromofluorobenzene	11.061	95	107976	48.923	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	78791	55.072	ug/l	97
3) Chloromethane	1.301	50	97505	51.856	ug/l	98
4) Vinyl Chloride	1.380	62	98804	53.680	ug/l	100
5) Bromomethane	1.618	94	65791	56.368	ug/l	95
6) Chloroethane	1.697	64	64638	52.542	ug/l	99
7) Trichlorofluoromethane	1.898	101	139775	51.144	ug/l	100
8) Diethyl Ether	2.136	74	58834	52.626	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	80435	50.334	ug/l	100
10) Methyl Iodide	2.459	142	123956	49.736	ug/l	99
11) Tert butyl alcohol	2.947	59	60006	244.991	ug/l	99
12) 1,1-Dichloroethene	2.325	96	84395	51.413	ug/l	96
13) Acrolein	2.239	56	52407	232.189	ug/l	100
14) Allyl chloride	2.666	41	162575	47.995	ug/l	96
15) Acrylonitrile	3.062	53	263719	290.682	ug/l	98
16) Acetone	2.374	43	203713	213.041	ug/l	97
17) Carbon Disulfide	2.520	76	230212	51.229	ug/l	98
18) Methyl Acetate	2.703	43	123868	58.207	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	313200	52.268	ug/l	98
20) Methylene Chloride	2.788	84	105012	51.882	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	92382	52.273	ug/l	97
22) Diisopropyl ether	3.751	45	345715	52.663	ug/l #	82
23) Vinyl Acetate	3.715	43	1417612	269.815	ug/l	100
24) 1,1-Dichloroethane	3.605	63	181568	52.037	ug/l	98
25) 2-Butanone	4.544	43	315750	264.723	ug/l	99
26) 2,2-Dichloropropane	4.471	77	106096	36.580	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	113745	52.554	ug/l	96
28) Bromochloromethane	4.891	49	83565	54.859	ug/l	98
29) Tetrahydrofuran	4.995	42	205239	286.033	ug/l	99
30) Chloroform	5.086	83	187196	53.091	ug/l	99
31) Cyclohexane	5.464	56	140528	48.357	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	153431	51.302	ug/l	99
36) 1,1-Dichloropropene	5.684	75	116951	47.622	ug/l	97
37) Ethyl Acetate	4.702	43	135472	51.520	ug/l	99
38) Carbon Tetrachloride	5.666	117	130043	48.736	ug/l	96
39) Methylcyclohexane	7.367	83	132095	47.385	ug/l	97
40) Benzene	6.025	78	385239	51.647	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047823.D
 Acq On : 25 Sep 2025 19:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 26 01:35:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/26/2025
 Supervised By : Mahesh Dadoda 09/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	73804	54.368	ug/l	98
42) 1,2-Dichloroethane	6.074	62	141902	50.000	ug/l	98
43) Isopropyl Acetate	6.324	43	226994	52.636	ug/l	99
44) Trichloroethene	7.110	130	92646	51.375	ug/l	99
45) 1,2-Dichloropropane	7.415	63	100953	52.856	ug/l	99
46) Dibromomethane	7.568	93	73360	52.781	ug/l	97
47) Bromodichloromethane	7.805	83	149506	52.127	ug/l	97
48) Methyl methacrylate	7.677	41	114802	53.443	ug/l	98
49) 1,4-Dioxane	7.647	88	28611	1317.923	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	677366	283.290	ug/l	100
52) Toluene	8.702	92	239352	52.084	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	143852	49.172	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	157052	50.226	ug/l	97
55) 1,1,2-Trichloroethane	9.135	97	96381	54.391	ug/l	98
56) Ethyl methacrylate	9.104	69	151863	54.571	ug/l	97
57) 1,3-Dichloropropane	9.293	76	166293	54.630	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	365599	273.260	ug/l	99
59) 2-Hexanone	9.415	43	472466	275.126	ug/l	99
60) Dibromochloromethane	9.506	129	111334	54.529	ug/l	100
61) 1,2-Dibromoethane	9.592	107	100762	55.828	ug/l	99
64) Tetrachloroethene	9.256	164	74213	50.109	ug/l	97
65) Chlorobenzene	10.061	112	264716	51.289	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	92643	52.017	ug/l	99
67) Ethyl Benzene	10.177	91	454152	50.998	ug/l	100
68) m/p-Xylenes	10.287	106	339855	102.531	ug/l	97
69) o-Xylene	10.622	106	166533	51.944	ug/l	97
70) Styrene	10.640	104	290866	51.778	ug/l	98
71) Bromoform	10.781	173	72491	54.510	ug/l #	97
73) Isopropylbenzene	10.945	105	418008	49.442	ug/l	99
74) N-amyl acetate	10.829	43	199899	51.849	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	137858	53.895	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	105136m	46.695	ug/l	
77) Bromobenzene	11.183	156	105313	50.576	ug/l	98
78) n-propylbenzene	11.287	91	496726	49.701	ug/l	99
79) 2-Chlorotoluene	11.348	91	301415	49.240	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	345119	49.685	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	38514	43.621	ug/l	98
82) 4-Chlorotoluene	11.439	91	356913	49.368	ug/l	99
83) tert-Butylbenzene	11.695	119	346541	48.736	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	350492	49.770	ug/l	99
85) sec-Butylbenzene	11.872	105	416534	49.318	ug/l	100
86) p-Isopropyltoluene	11.988	119	349248	48.843	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	192298	49.719	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	195390	49.222	ug/l	99
89) n-Butylbenzene	12.311	91	317918	48.051	ug/l	99
90) Hexachloroethane	12.518	117	62532	49.811	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	188283	51.098	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	26392	50.962	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	116183	48.516	ug/l	98
94) Hexachlorobutadiene	13.707	225	38133	46.880	ug/l	99
95) Naphthalene	13.756	128	379925	52.100	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	113155	50.796	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047823.D
Acq On : 25 Sep 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

Quant Time: Sep 26 01:35:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

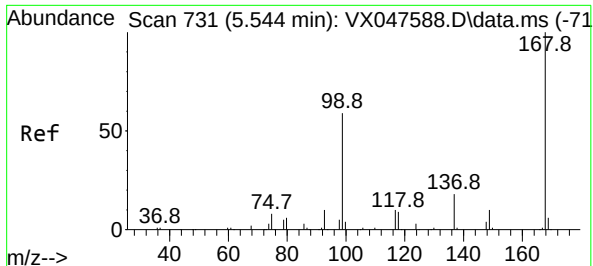
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025





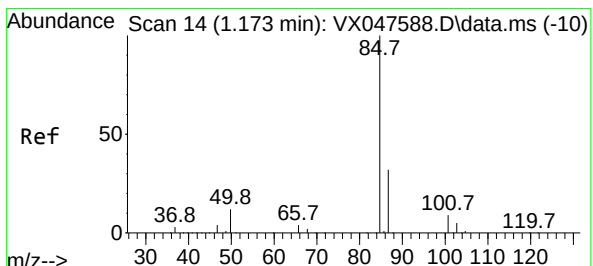
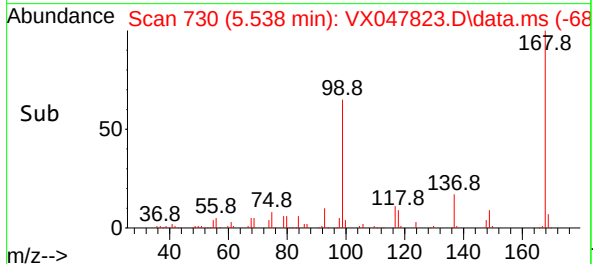
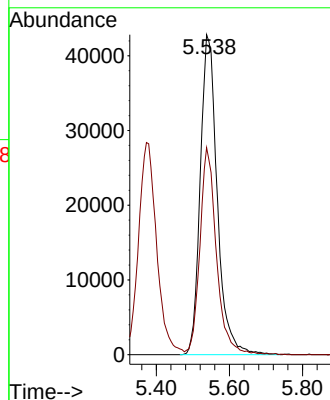
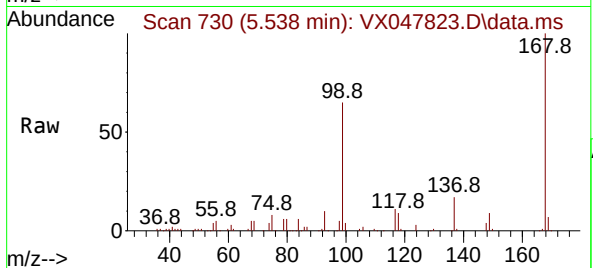
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 13816
Ion Ratio Lower Upper
168 100
99 64.5 48.8 73.2

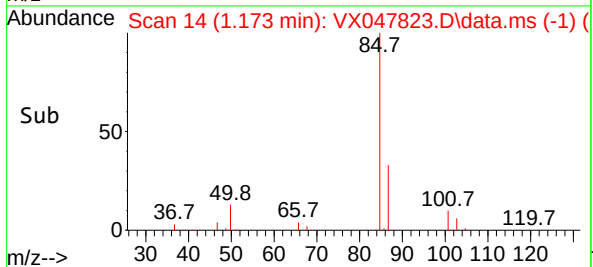
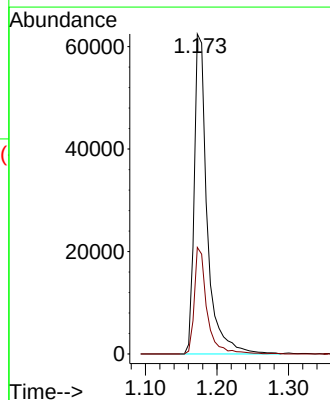
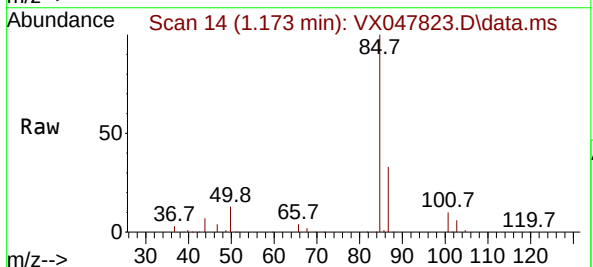
Manual Integrations
APPROVED

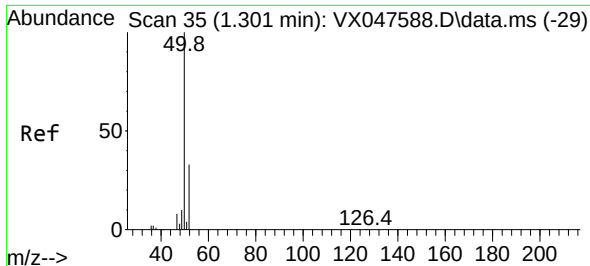
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#2
Dichlorodifluoromethane
Concen: 55.072 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 85 Resp: 78791
Ion Ratio Lower Upper
85 100
87 33.3 15.8 47.3





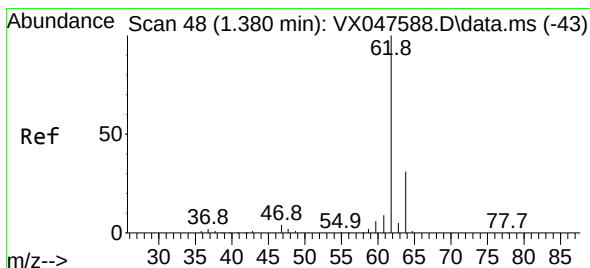
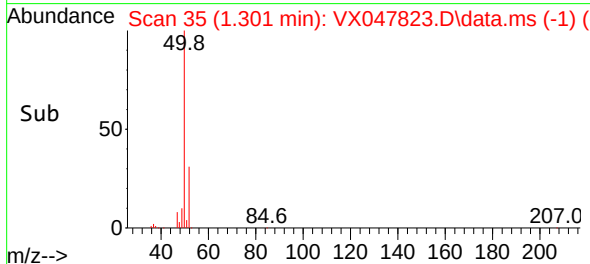
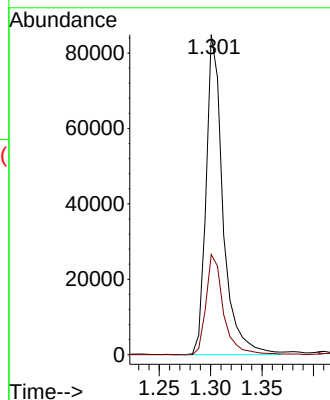
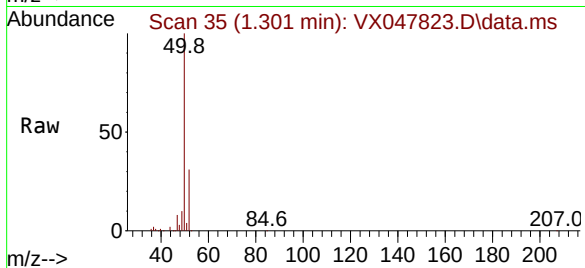
#3
Chloromethane
Concen: 51.856 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 9750
Ion Ratio Lower Upper
50 100
52 31.3 26.1 39.1

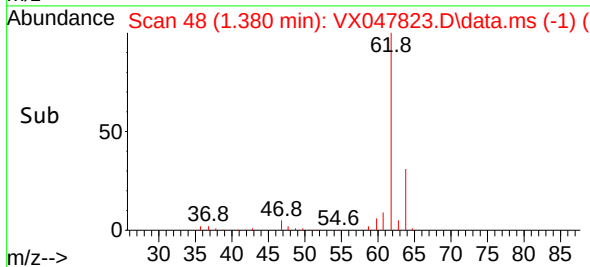
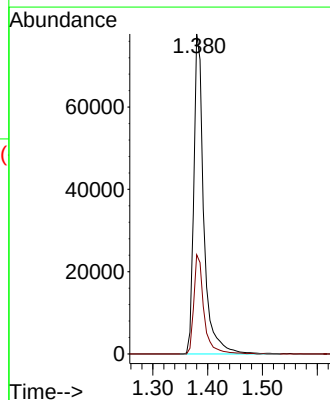
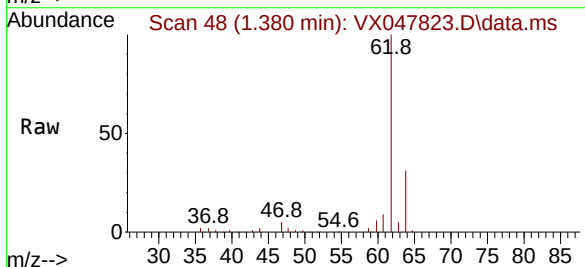
Manual Integrations
APPROVED

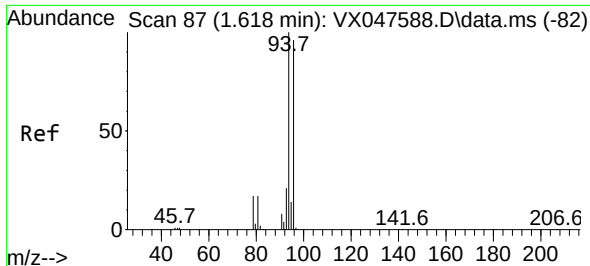
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#4
Vinyl Chloride
Concen: 53.680 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

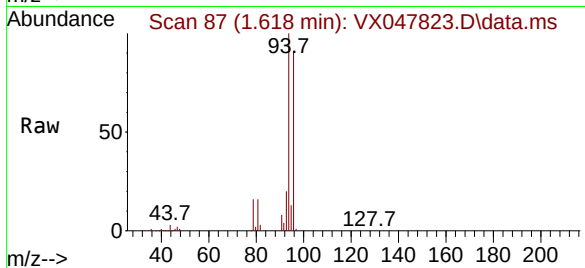
Tgt Ion: 62 Resp: 98804
Ion Ratio Lower Upper
62 100
64 31.0 24.9 37.3





#5
Bromomethane
Concen: 56.368 ug/l
RT: 1.618 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

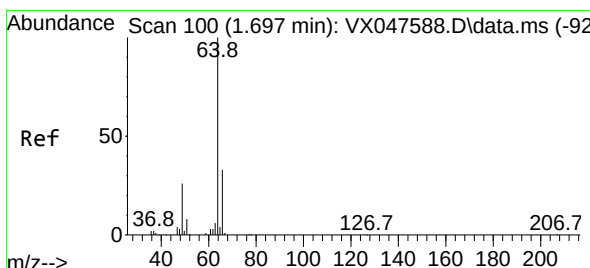
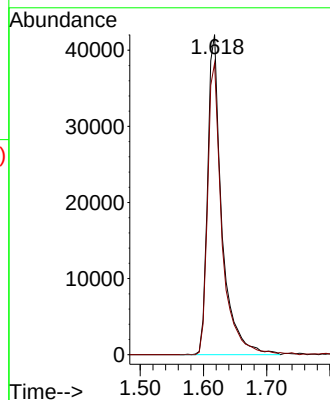
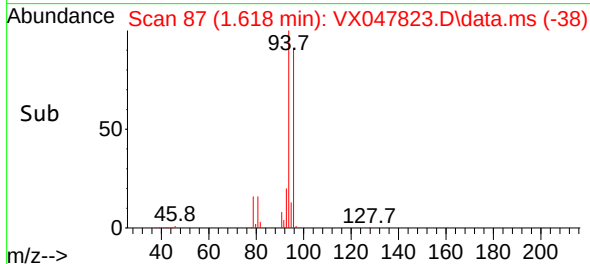
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 94 Resp: 6579
Ion Ratio Lower Upper
94 100
96 91.1 76.6 115.0

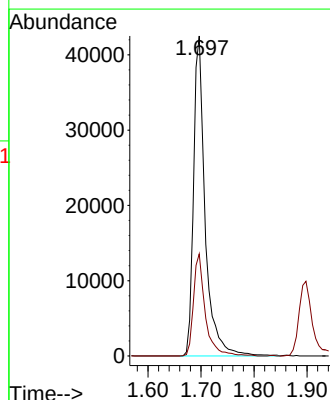
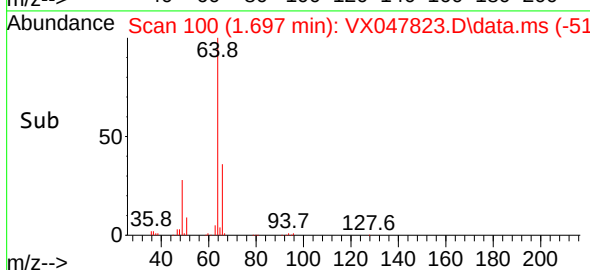
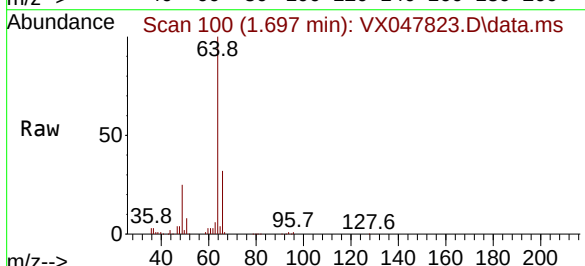
Manual Integrations
APPROVED

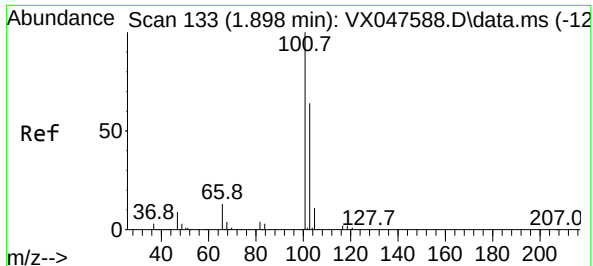
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#6
Chloroethane
Concen: 52.542 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

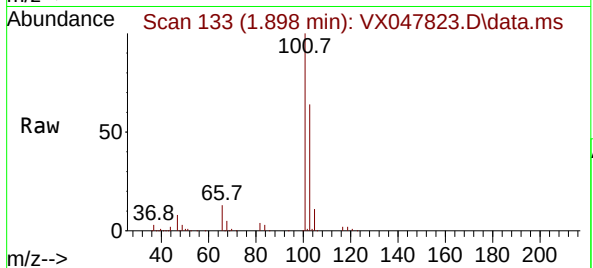
Tgt Ion: 64 Resp: 64638
Ion Ratio Lower Upper
64 100
66 31.9 26.1 39.1





#7
Trichlorofluoromethane
Concen: 51.144 ug/l
RT: 1.898 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

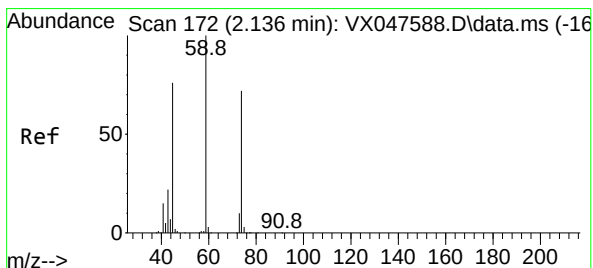
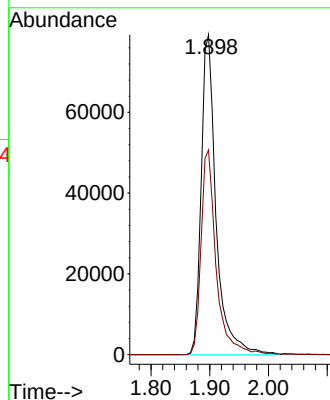
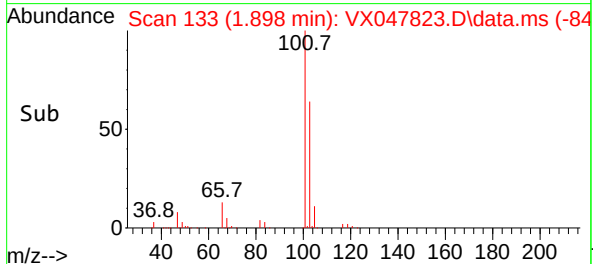
Instrument :
MSVOA_X
ClientSampleId :
VSTDC0050EC



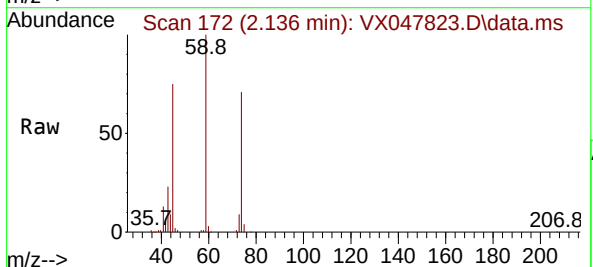
Tgt Ion:101 Resp: 13977
Ion Ratio Lower Upper
101 100
103 63.9 51.4 77.2

Manual Integrations
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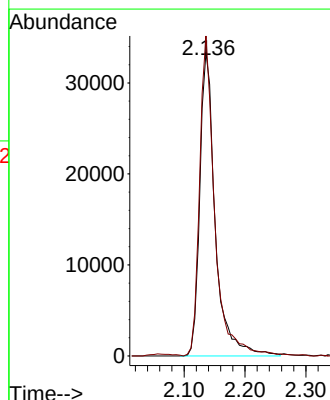
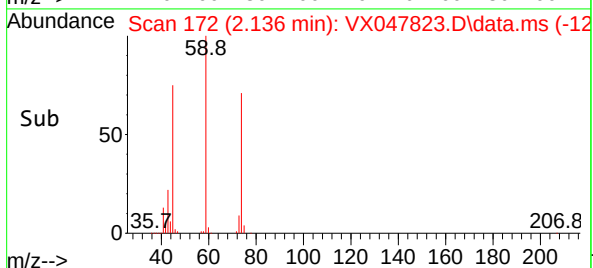
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

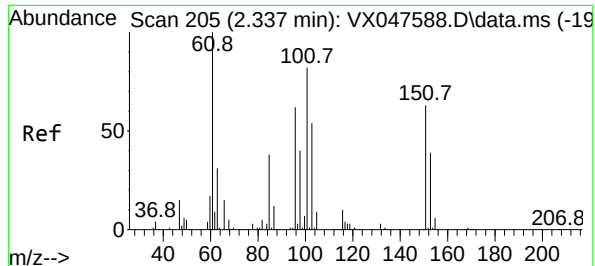


#8
Diethyl Ether
Concen: 52.626 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09



Tgt Ion: 74 Resp: 58834
Ion Ratio Lower Upper
74 100
45 103.6 52.3 156.8





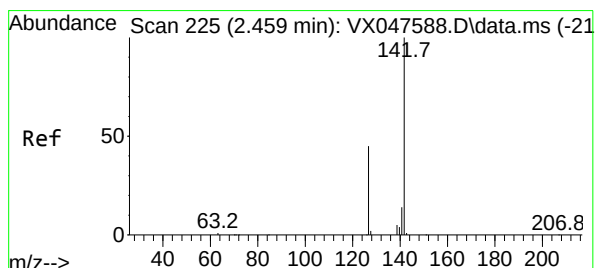
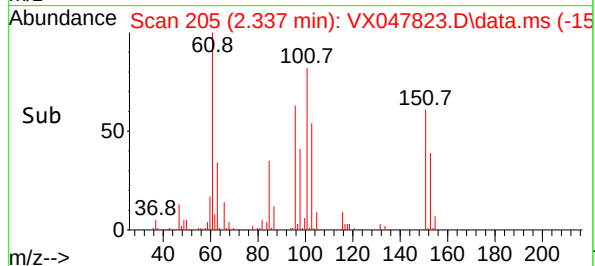
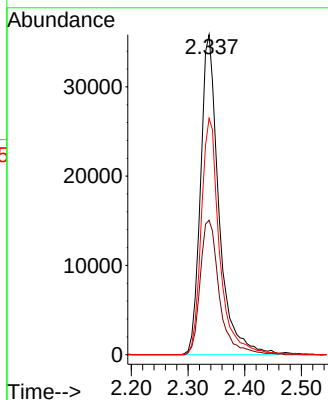
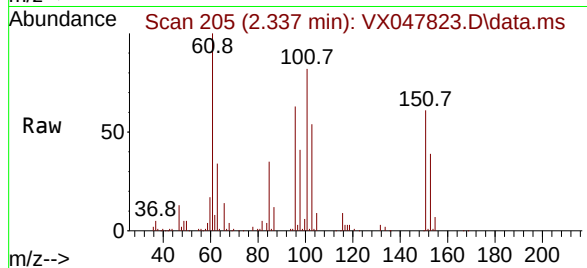
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.334 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 80435
Ion Ratio Lower Upper
101 100
85 44.1 35.5 53.3
151 74.0 59.4 89.0

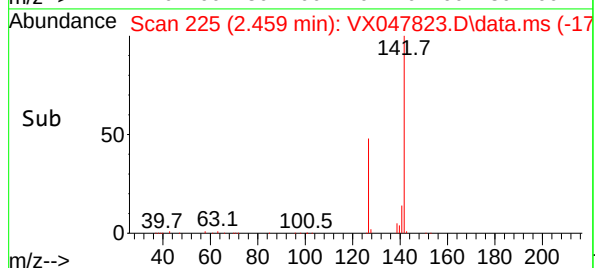
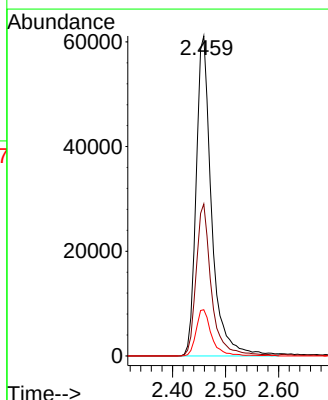
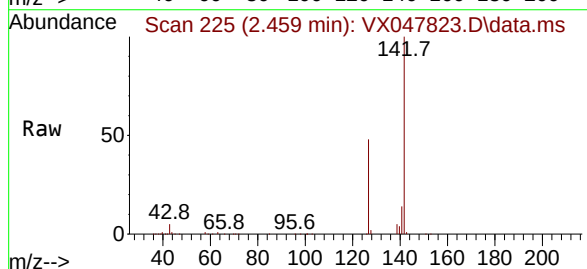
Manual Integrations
APPROVED

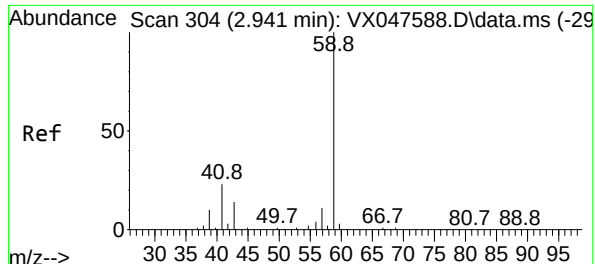
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#10
Methyl Iodide
Concen: 49.736 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion:142 Resp: 123956
Ion Ratio Lower Upper
142 100
127 47.2 37.2 55.8
141 14.6 11.4 17.0





#11

Tert butyl alcohol

Concen: 244.991 ug/l

RT: 2.947 min Scan# 304

Delta R.T. 0.006 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 60000

Ion Ratio Lower Upper

59 100

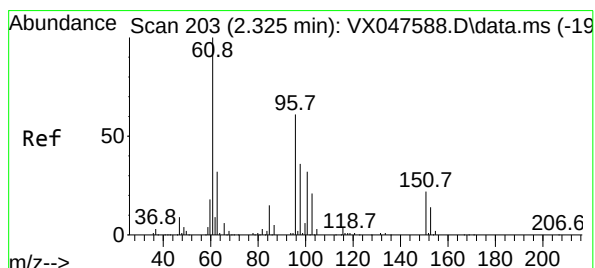
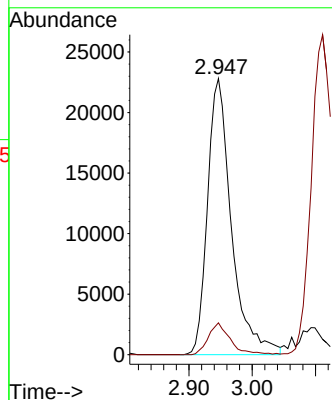
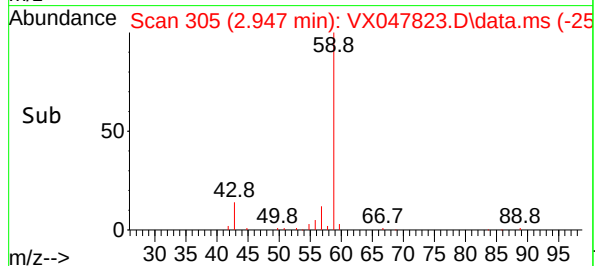
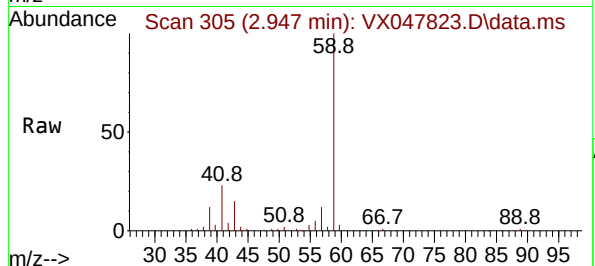
57 10.7 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#12

1,1-Dichloroethene

Concen: 51.413 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

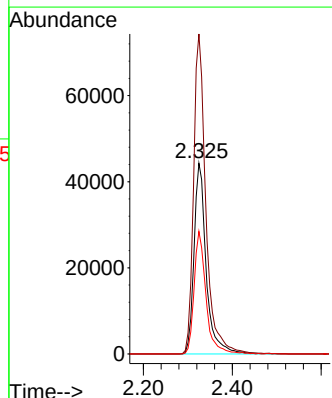
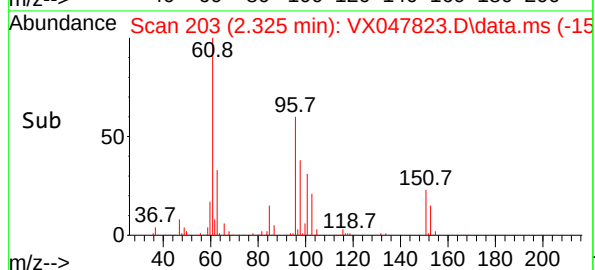
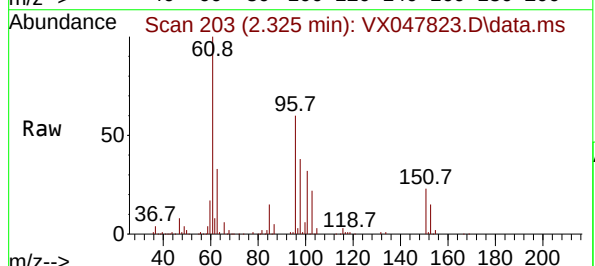
Tgt Ion: 96 Resp: 84395

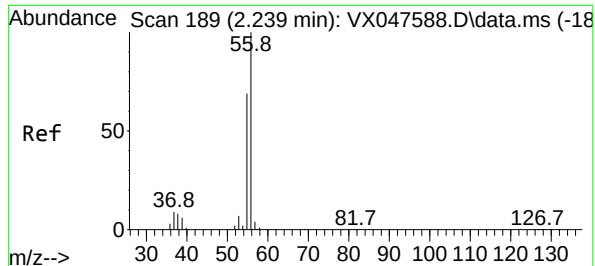
Ion Ratio Lower Upper

96 100

61 167.7 131.0 196.6

98 64.3 47.7 71.5





#13

Acrolein

Concen: 232.189 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050EC

Tgt Ion: 56 Resp: 5240

Ion Ratio Lower Upper

56 100

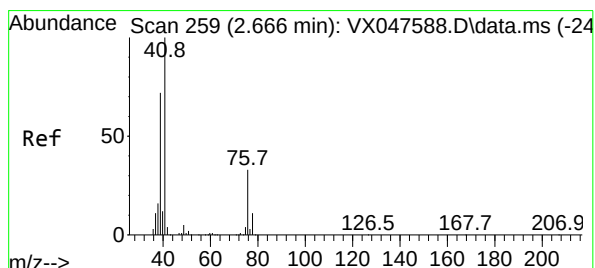
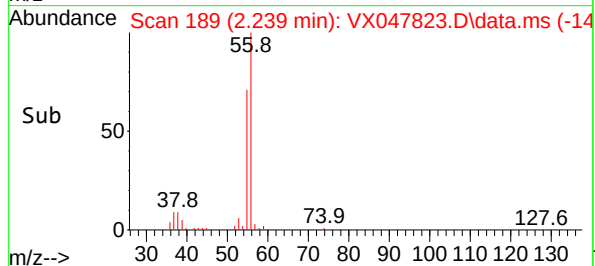
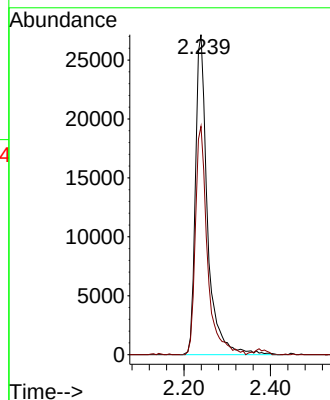
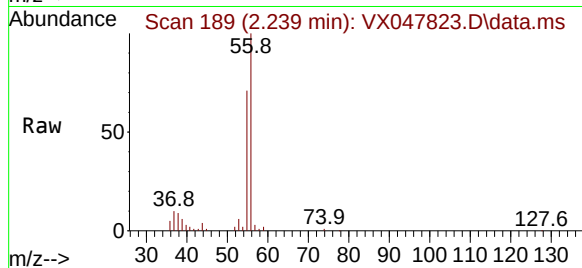
55 71.2 57.2 85.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#14

Allyl chloride

Concen: 47.995 ug/l

RT: 2.666 min Scan# 259

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

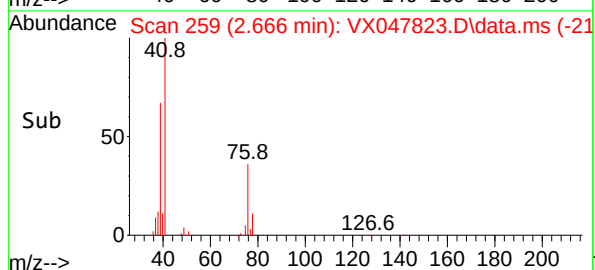
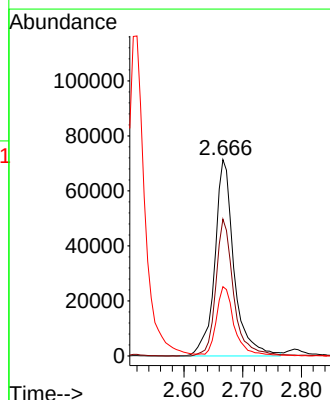
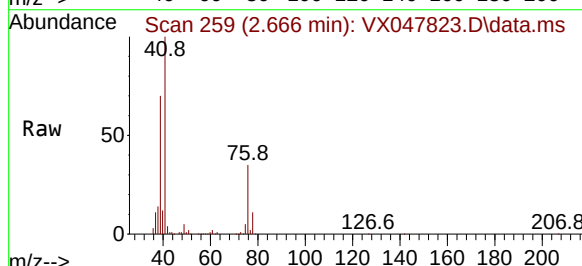
Tgt Ion: 41 Resp: 162575

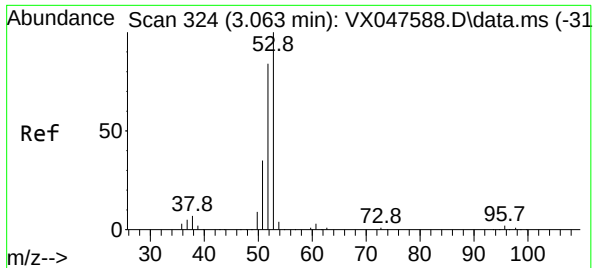
Ion Ratio Lower Upper

41 100

39 64.9 54.7 82.1

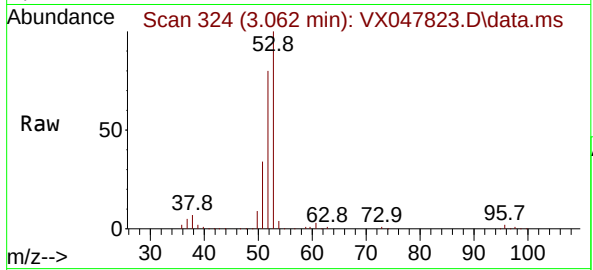
76 33.3 25.7 38.5





#15
Acrylonitrile
Concen: 290.682 ug/l
RT: 3.062 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

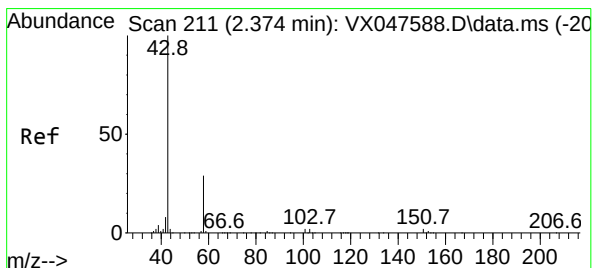
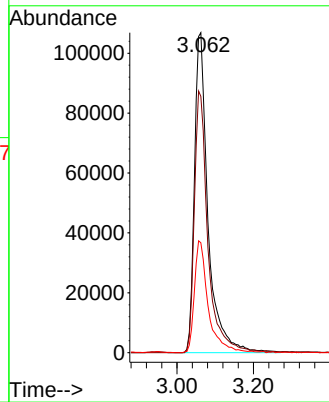
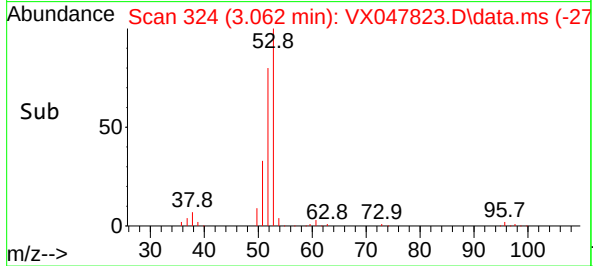
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 53 Resp: 263719
Ion Ratio Lower Upper
53 100
52 81.5 66.4 99.6
51 35.7 29.5 44.3

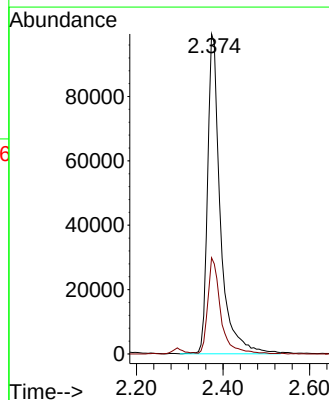
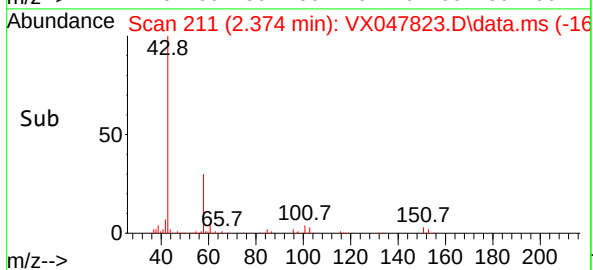
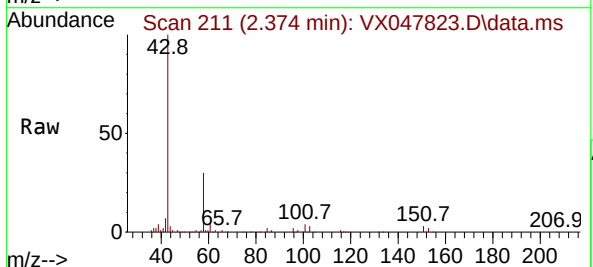
Manual Integrations
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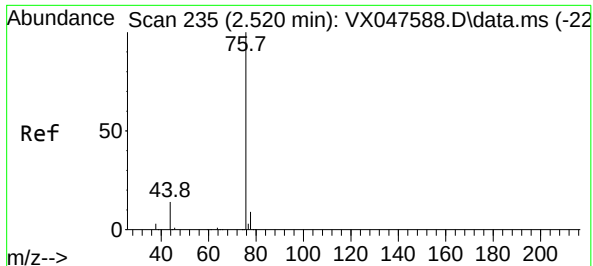
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#16
Acetone
Concen: 213.041 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

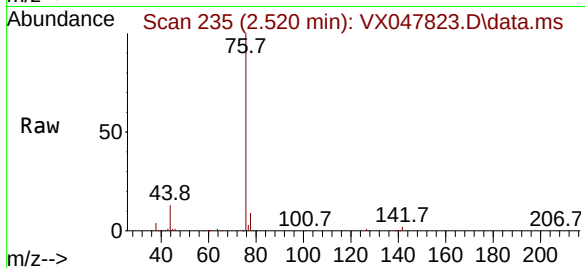
Tgt Ion: 43 Resp: 203713
Ion Ratio Lower Upper
43 100
58 30.9 23.4 35.0





#17
Carbon Disulfide
Concen: 51.229 ug/l
RT: 2.520 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

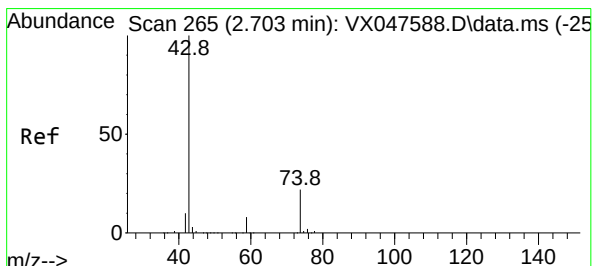
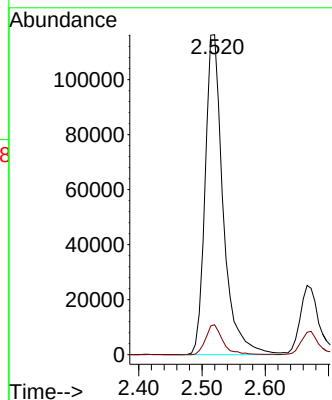
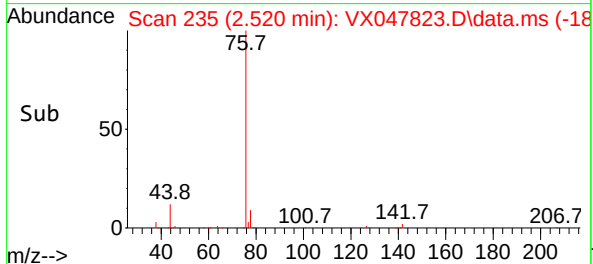
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 76 Resp: 23021
Ion Ratio Lower Upper
76 100
78 9.4 6.8 10.2

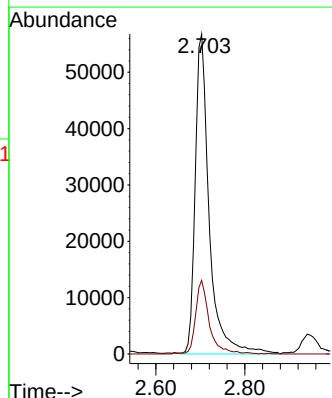
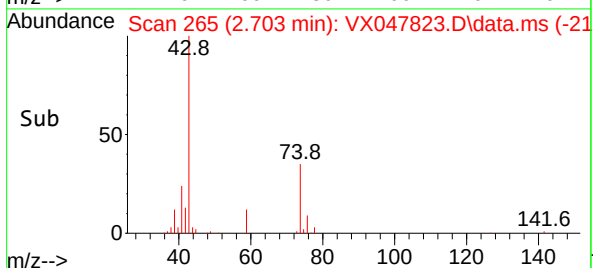
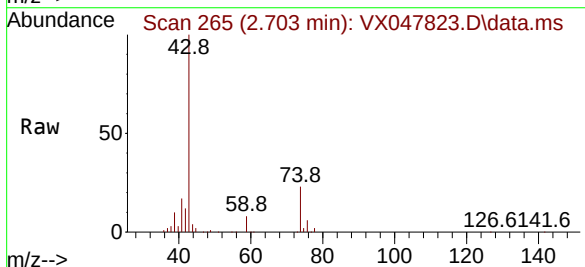
Manual Integrations
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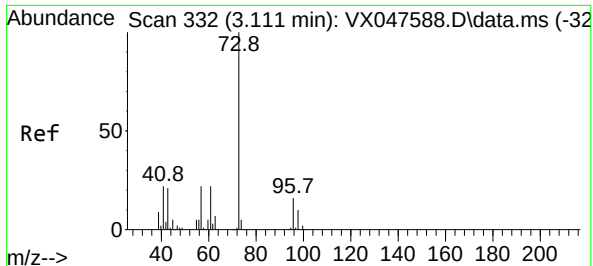
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#18
Methyl Acetate
Concen: 58.207 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 43 Resp: 123868
Ion Ratio Lower Upper
43 100
74 21.2 17.4 26.2





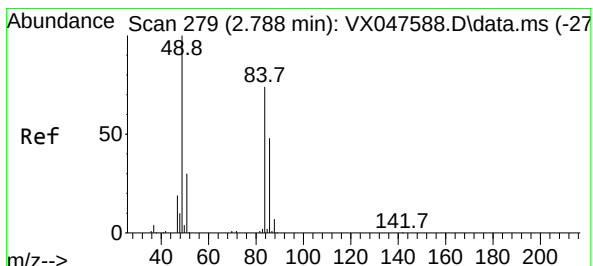
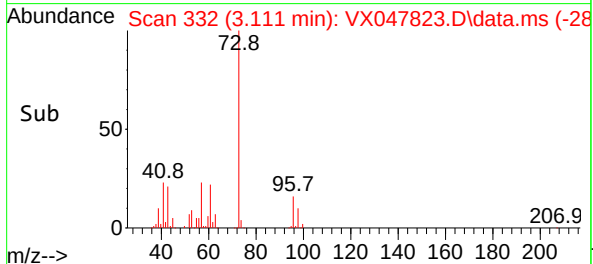
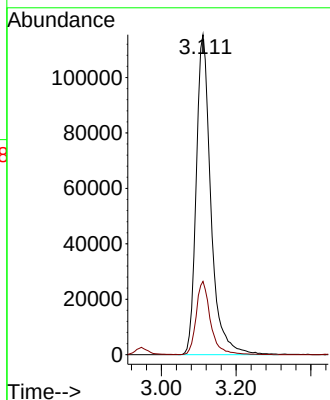
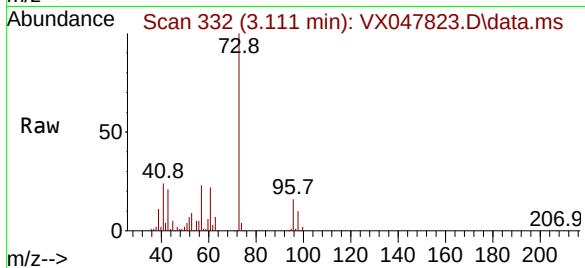
#19
Methyl tert-butyl Ether
Concen: 52.268 ug/l
RT: 3.111 min Scan# 313
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 313200
Ion Ratio Lower Upper
73 100
57 22.9 17.4 26.2

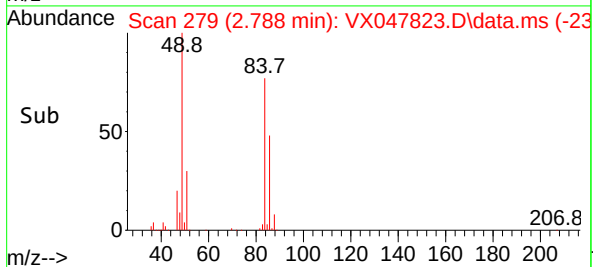
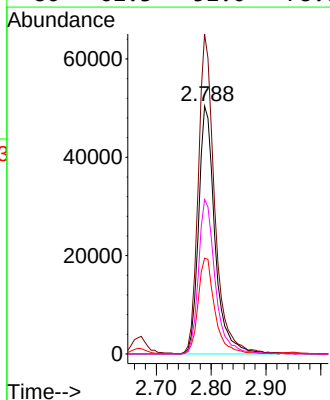
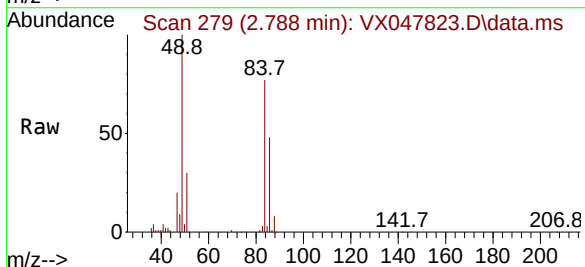
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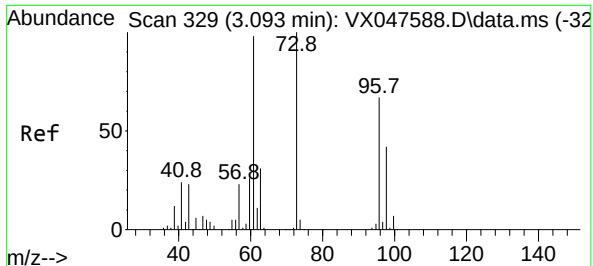
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#20
Methylene Chloride
Concen: 51.882 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 84 Resp: 105012
Ion Ratio Lower Upper
84 100
49 128.9 108.6 162.8
51 38.7 32.6 48.8
86 62.3 52.0 78.0





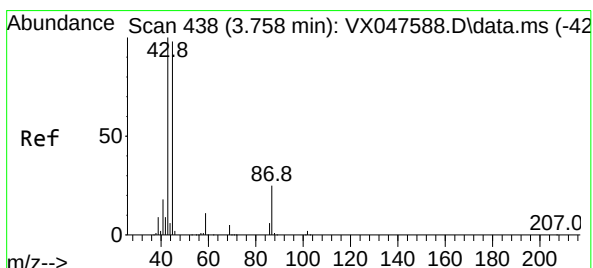
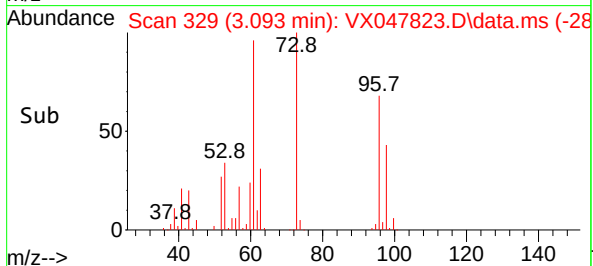
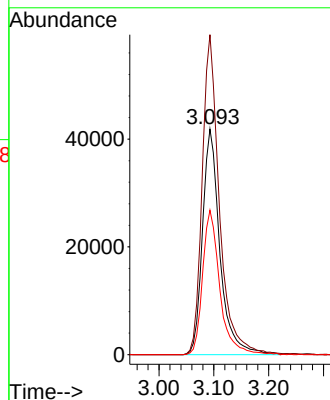
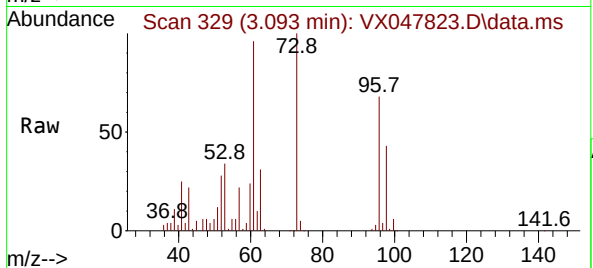
#21
trans-1,2-Dichloroethene
Concen: 52.273 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 9238
Ion Ratio Lower Upper
96 100
61 141.8 116.2 174.2
98 65.6 49.3 73.9

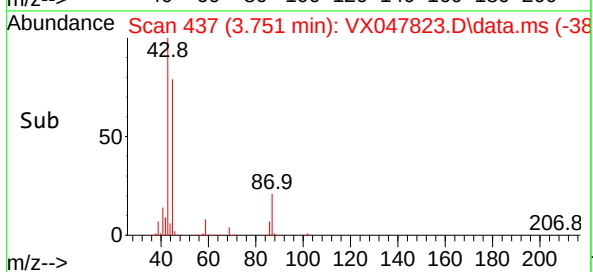
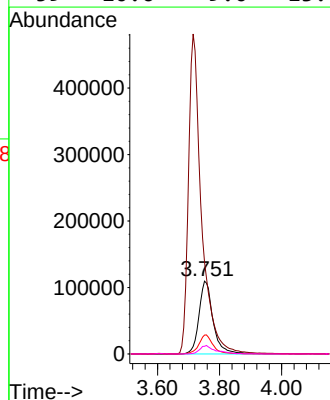
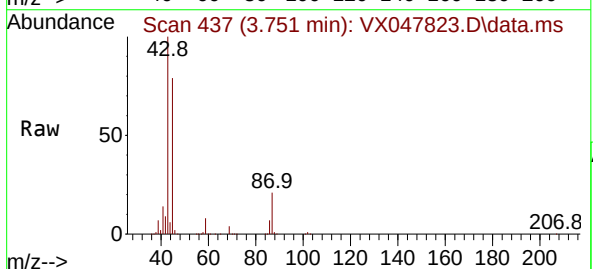
Manual Integrations
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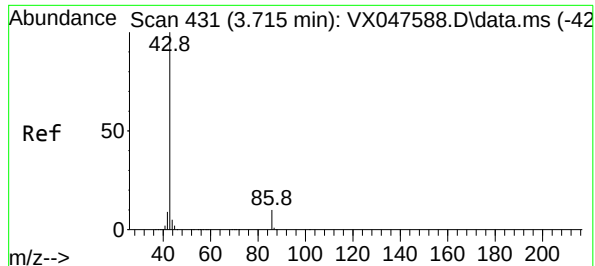
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#22
Diisopropyl ether
Concen: 52.663 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 45 Resp: 345715
Ion Ratio Lower Upper
45 100
43 125.6 81.0 121.4#
87 26.0 20.3 30.5
59 10.6 9.0 13.4





#23

Vinyl Acetate

Concen: 269.815 ug/l

RT: 3.715 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 141761

Ion Ratio Lower Upper

43

100

86

9.7

7.8

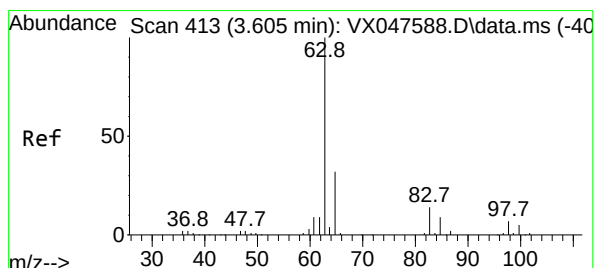
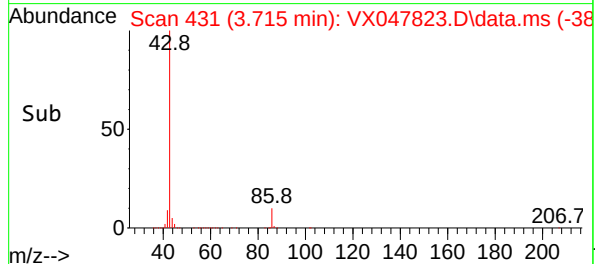
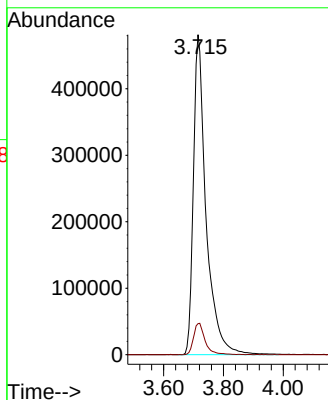
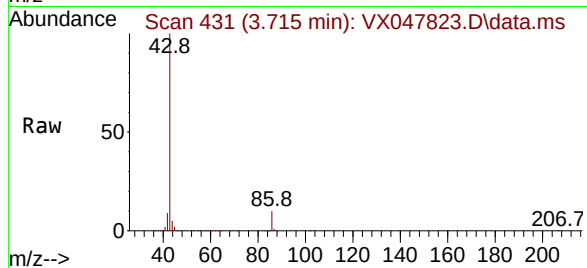
11.8

Manual Integrations

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Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#24

1,1-Dichloroethane

Concen: 52.037 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Tgt Ion: 63 Resp: 181568

Ion Ratio Lower Upper

63

100

98

100

6.8

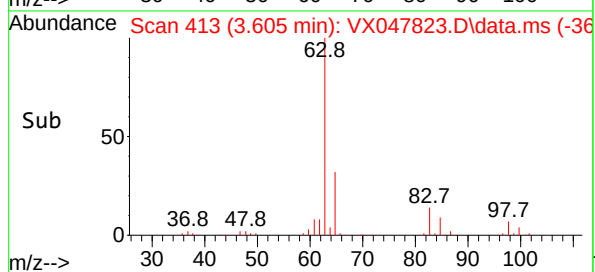
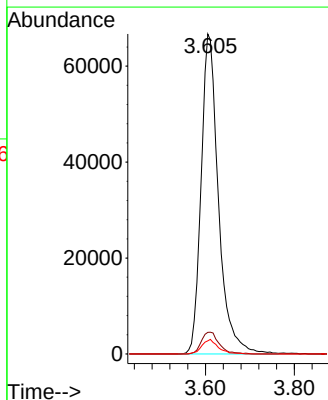
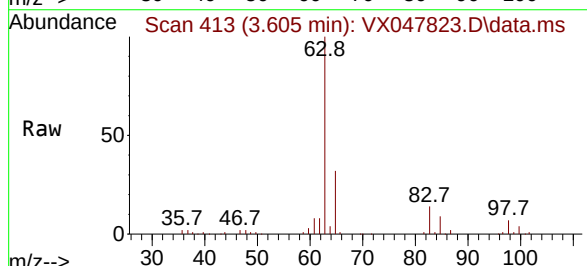
4.1

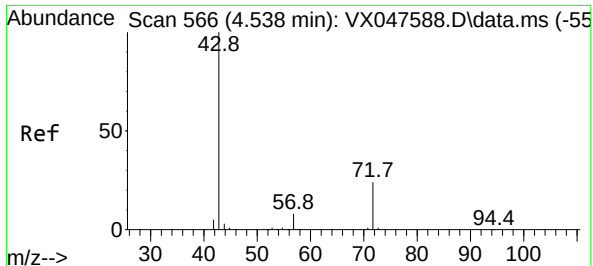
3.8

2.3

11.2

6.9





#25

2-Butanone

Concen: 264.723 ug/l

RT: 4.544 min Scan# 50

Delta R.T. 0.006 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 315750

Ion Ratio Lower Upper

43 100

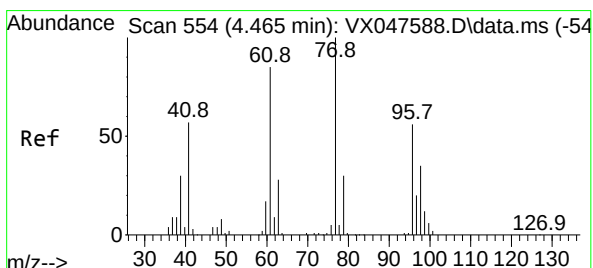
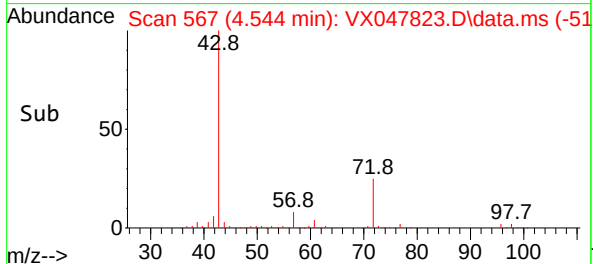
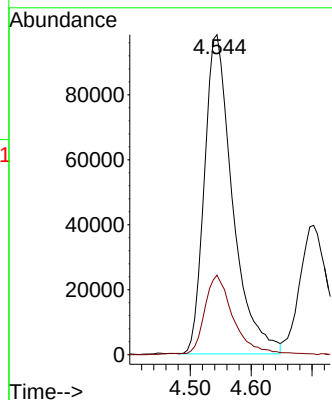
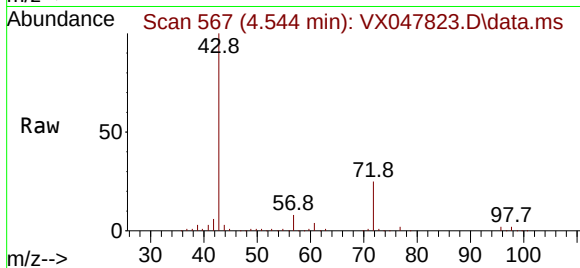
72 24.5 20.1 30.1

Manual Integrations

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Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#26

2,2-Dichloropropane

Concen: 36.580 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX047823.D

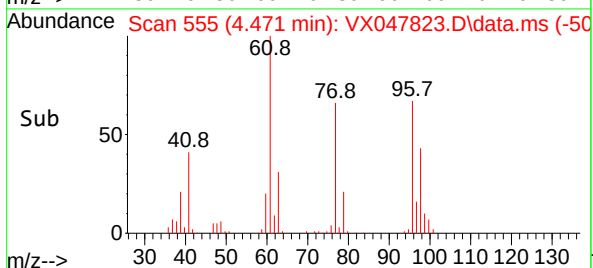
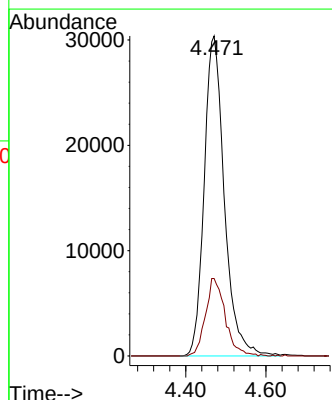
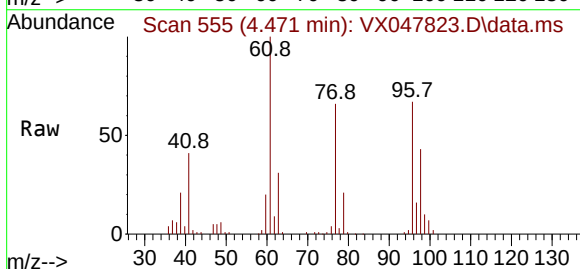
Acq: 25 Sep 2025 19:09

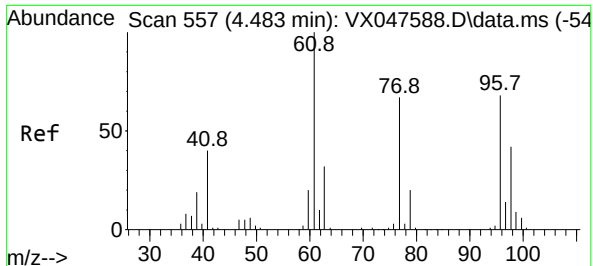
Tgt Ion: 77 Resp: 106096

Ion Ratio Lower Upper

77 100

97 23.7 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 52.554 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 11374

Ion Ratio Lower Upper

96 100

61 143.8 0.0 303.2

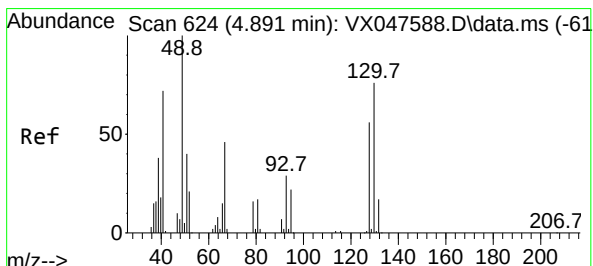
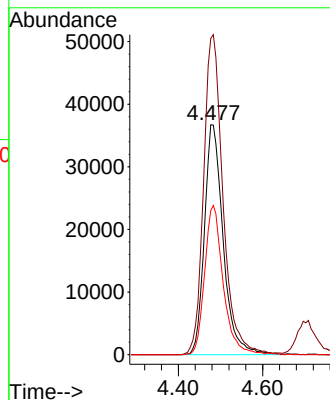
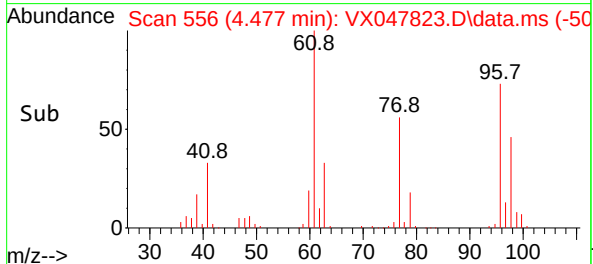
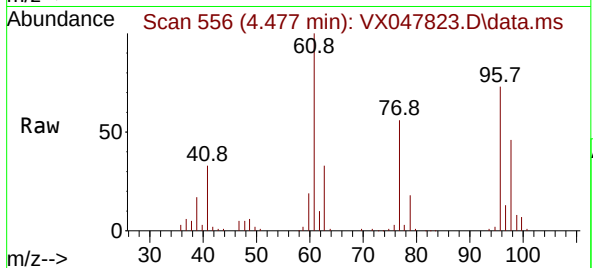
98 64.0 0.0 127.8

Manual Integrations

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Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#28

Bromochloromethane

Concen: 54.859 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

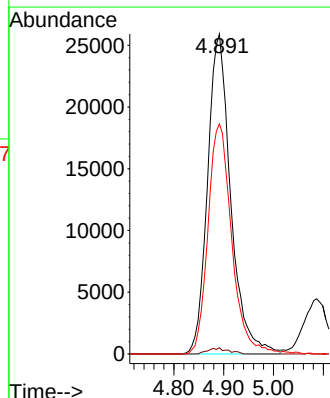
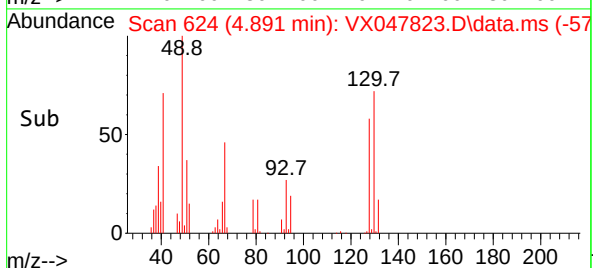
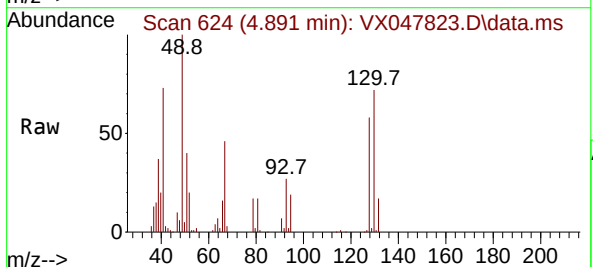
Tgt Ion: 49 Resp: 83565

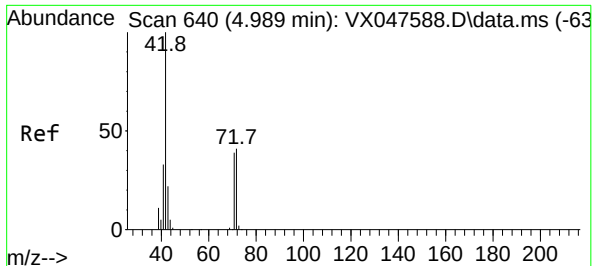
Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.2

130 73.6 57.8 86.8





#29

Tetrahydrofuran

Concen: 286.033 ug/l

RT: 4.995 min Scan# 641

Delta R.T. 0.006 min

Lab File: VX047823.D

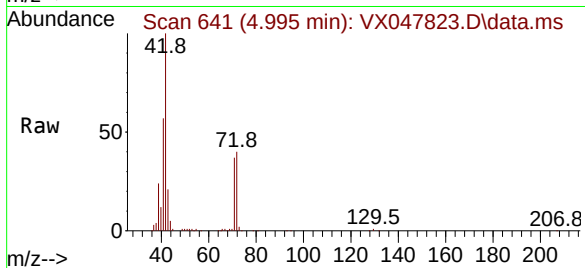
Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 42 Resp: 205239

Ion Ratio Lower Upper

42

100

72

42.3

71

39.5

34.2

31.9

51.2

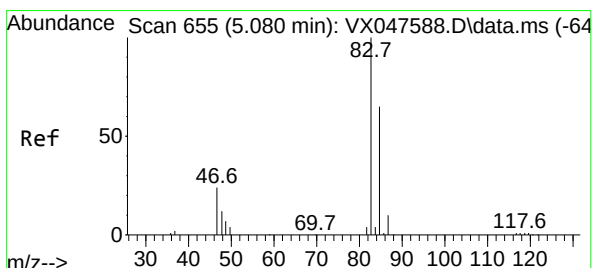
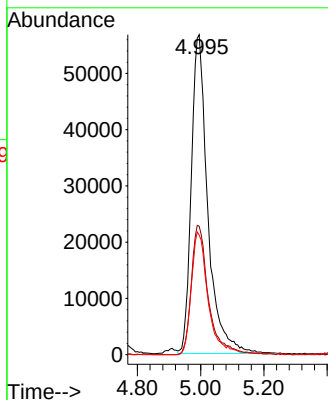
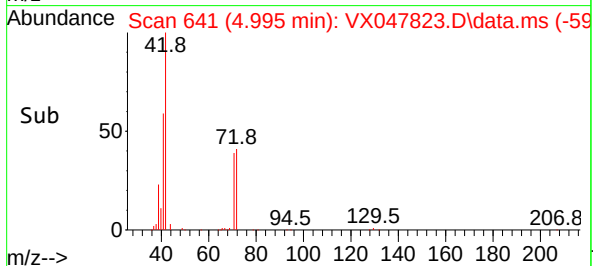
47.9

Manual Integrations

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Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#30

Chloroform

Concen: 53.091 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Tgt Ion: 83 Resp: 187196

Ion Ratio Lower Upper

83

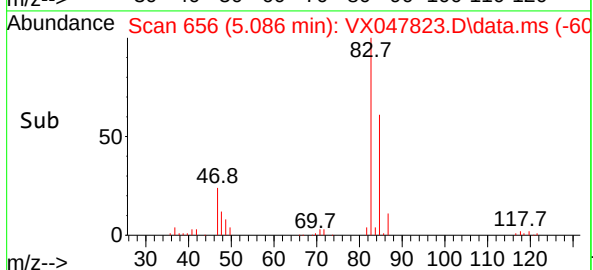
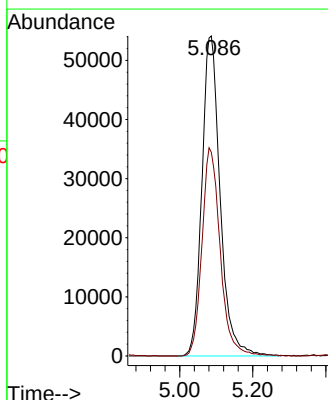
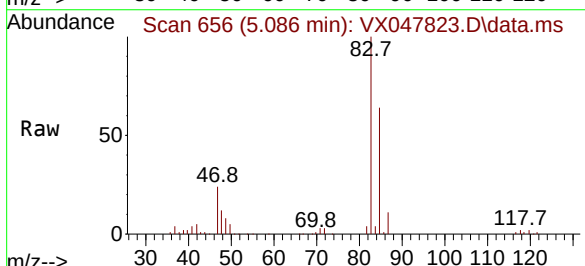
100

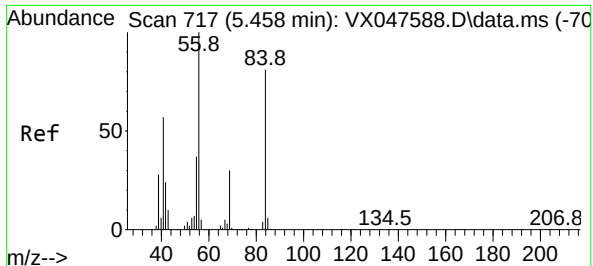
85

63.7

51.8

77.6





#31

Cyclohexane

Concen: 48.357 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.006 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 140528

Ion Ratio Lower Upper

56 100

69 30.3 23.8 35.8

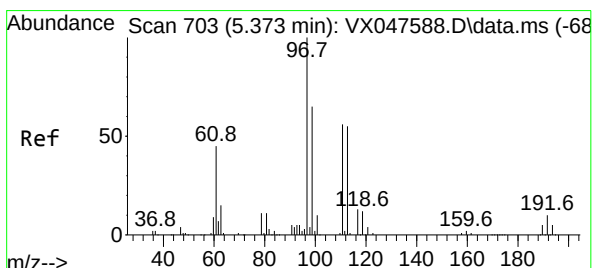
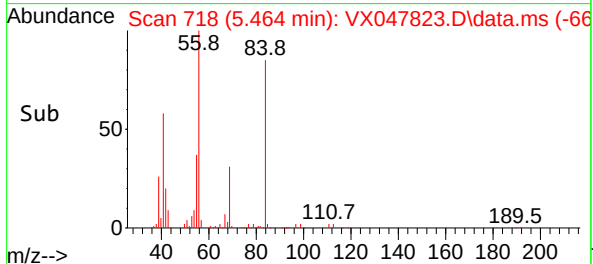
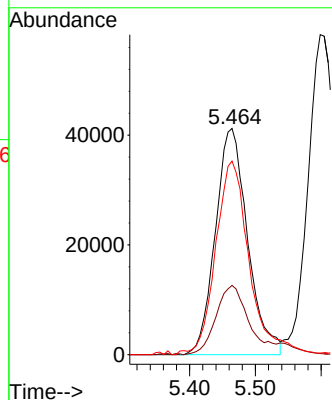
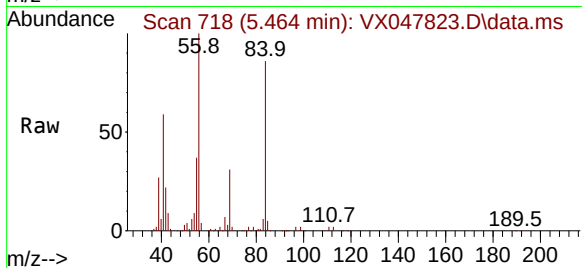
84 84.0 64.6 97.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#32

1,1,1-Trichloroethane

Concen: 51.302 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

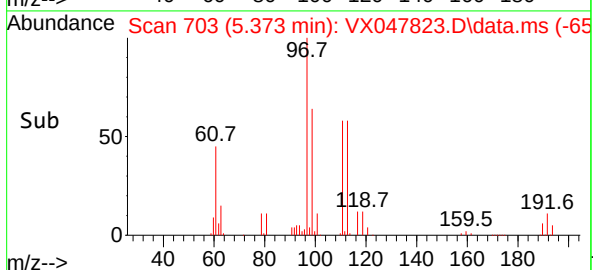
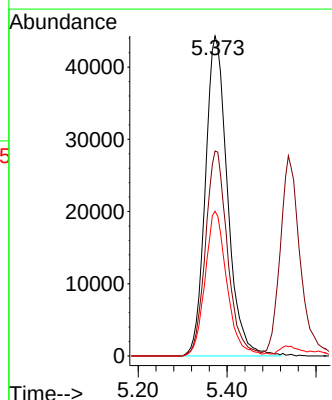
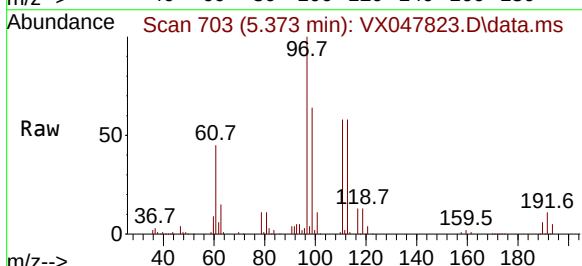
Tgt Ion: 97 Resp: 153431

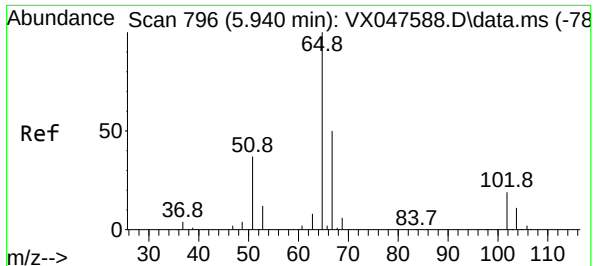
Ion Ratio Lower Upper

97 100

99 63.9 50.6 76.0

61 44.6 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 48.331 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 10628

Ion Ratio Lower Upper

65 100

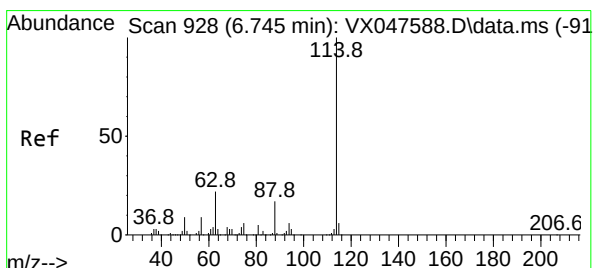
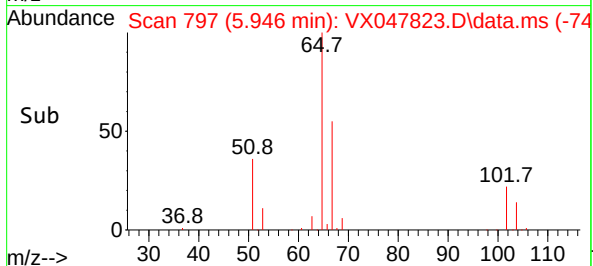
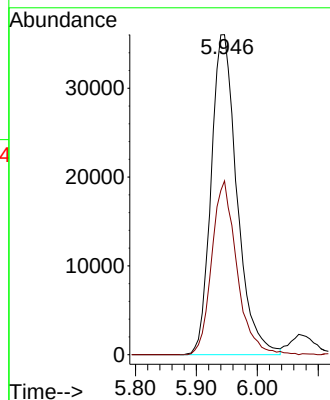
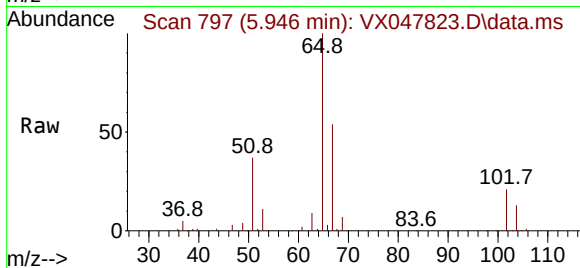
67 52.7 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

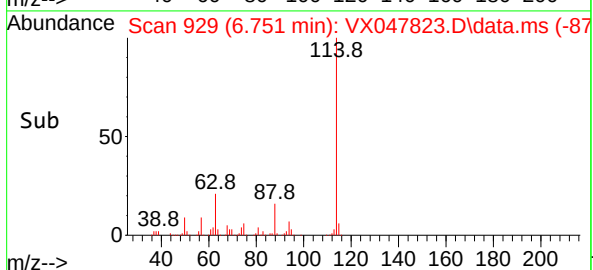
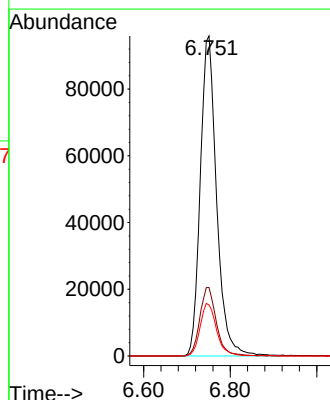
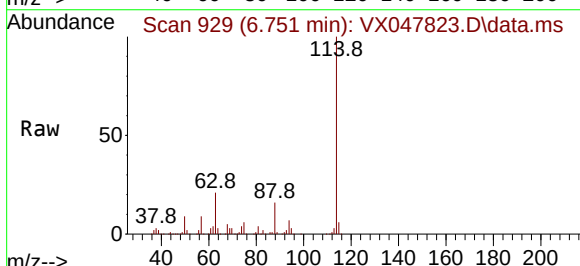
Tgt Ion:114 Resp: 250600

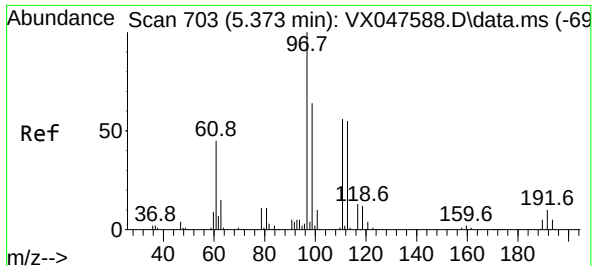
Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.0

88 16.0 0.0 34.2





#35

Dibromofluoromethane

Concen: 50.006 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

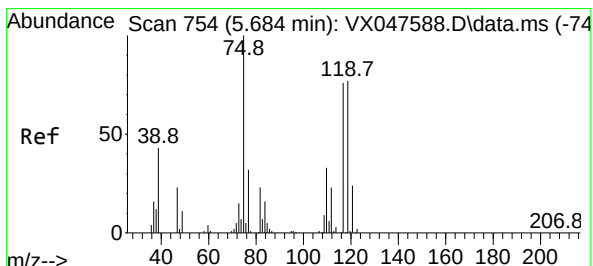
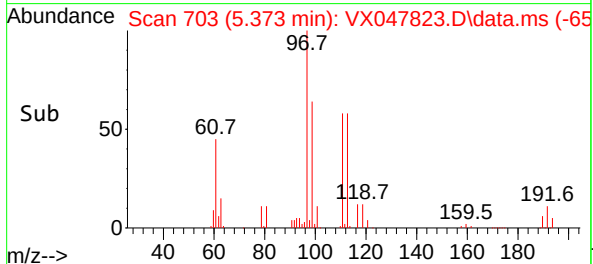
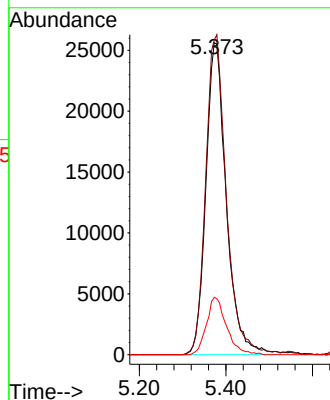
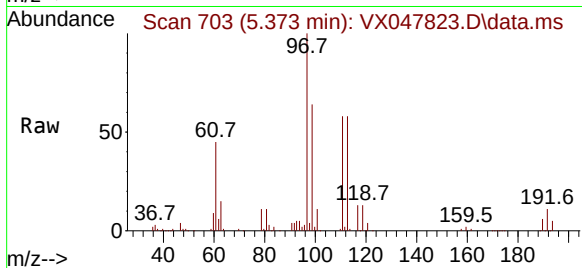
VSTDCCC050EC

Tgt Ion:	113	Resp:	8404
Ion Ratio	Lower	Upper	
113	100		
111	103.7	80.9	121.3
192	18.0	14.2	21.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#36

1,1-Dichloropropene

Concen: 47.622 ug/l

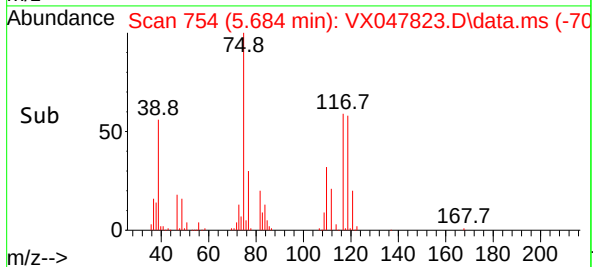
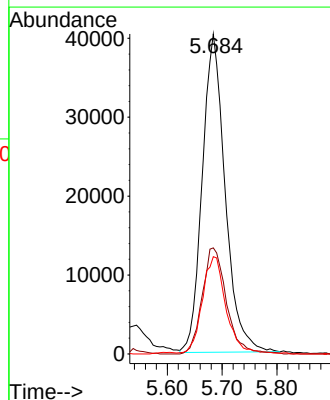
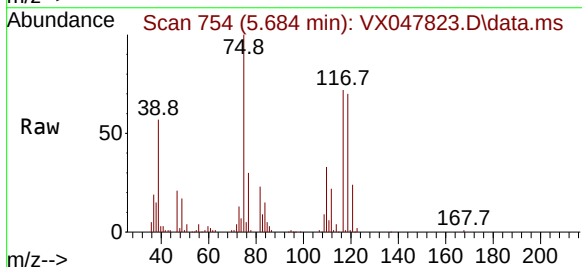
RT: 5.684 min Scan# 754

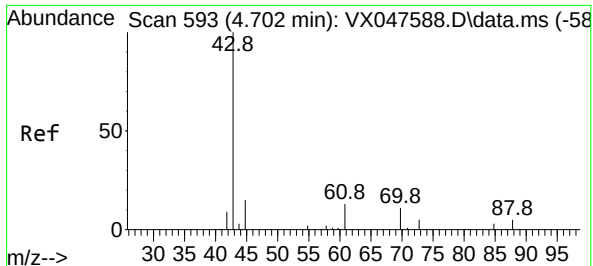
Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Tgt Ion:	75	Resp:	116951
Ion Ratio	Lower	Upper	
75	100		
110	35.3	16.7	50.1
77	31.3	24.3	36.5





#37

Ethyl Acetate

Concen: 51.520 ug/l

RT: 4.702 min Scan# 593

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

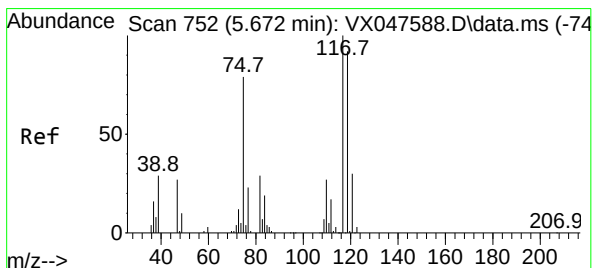
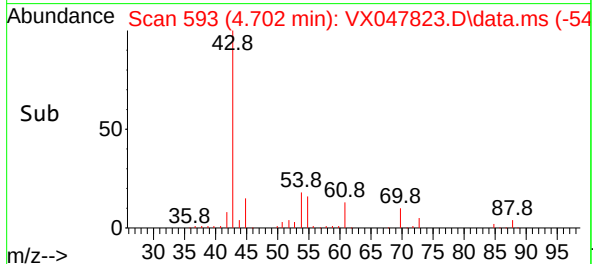
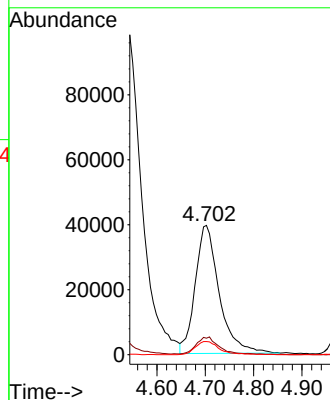
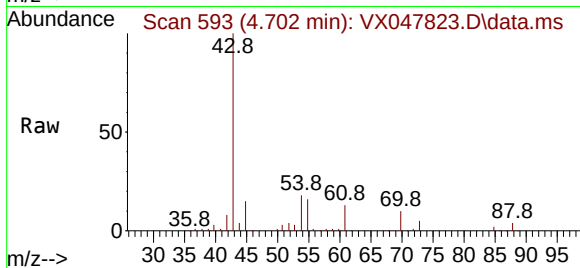
VSTDCCC050EC

Tgt Ion:	43	Resp:	135472
Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.8	14.8
70	10.3	7.9	11.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#38

Carbon Tetrachloride

Concen: 48.736 ug/l

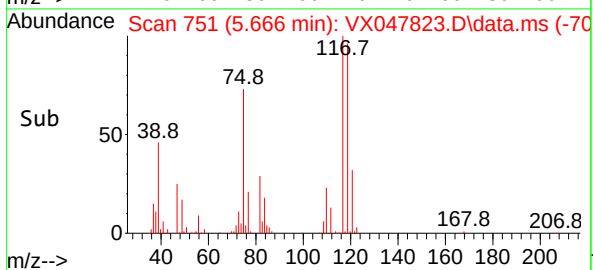
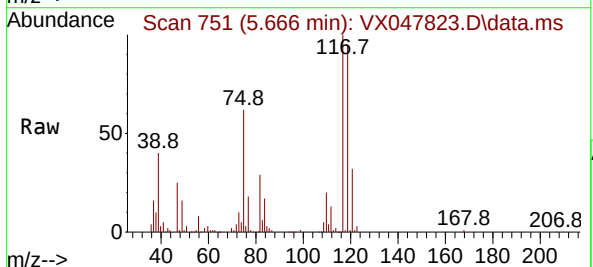
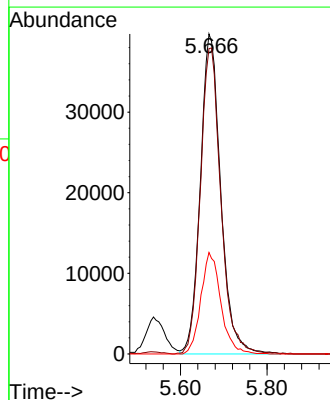
RT: 5.666 min Scan# 751

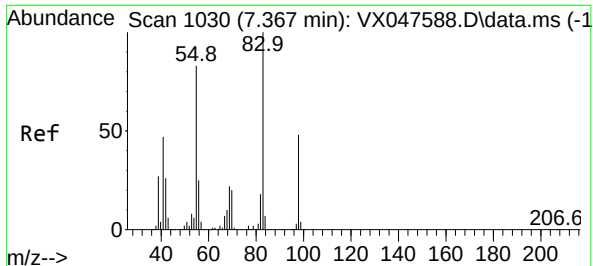
Delta R.T. -0.006 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Tgt Ion:	117	Resp:	130043
Ion	Ratio	Lower	Upper
117	100		
119	95.3	73.4	110.2
121	31.7	23.8	35.6





#39

Methylcyclohexane

Concen: 47.385 ug/l

RT: 7.367 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

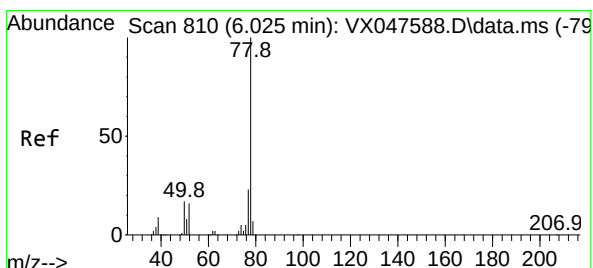
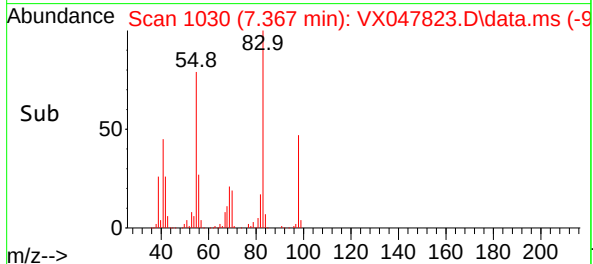
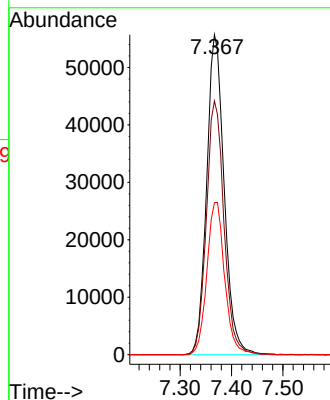
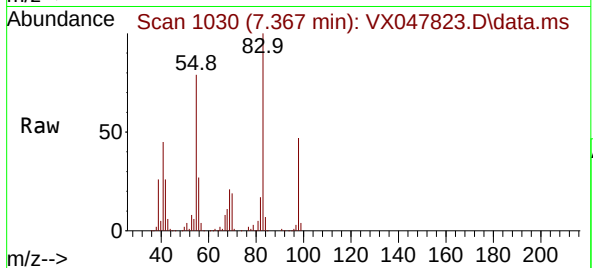
Tgt Ion:	83	Resp:	13209
Ion	Ratio	Lower	Upper
83	100		
55	79.3	66.4	99.6
98	47.5	38.1	57.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#40

Benzene

Concen: 51.647 ug/l

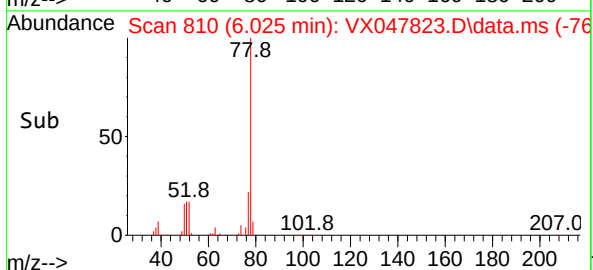
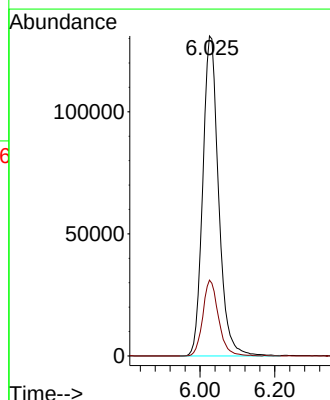
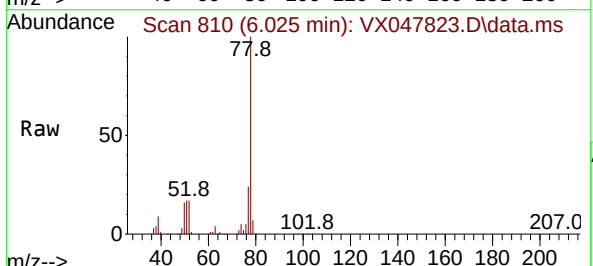
RT: 6.025 min Scan# 810

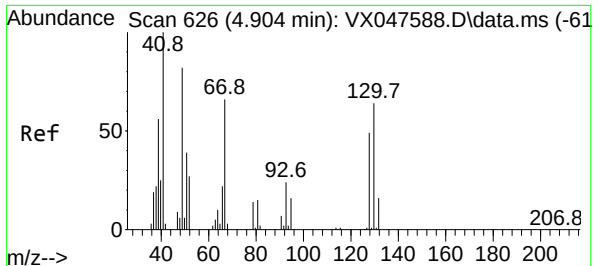
Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

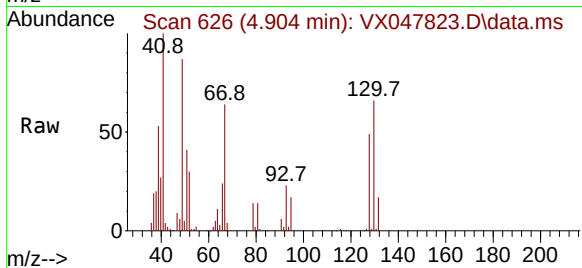
Tgt Ion:	78	Resp:	385239
Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





#41
Methacrylonitrile
Concen: 54.368 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

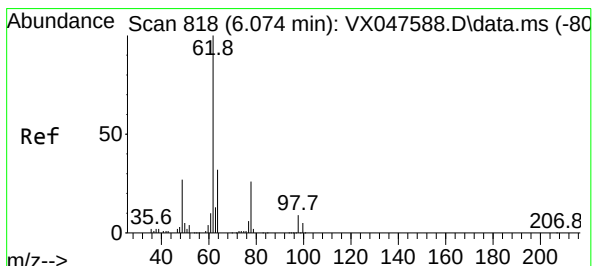
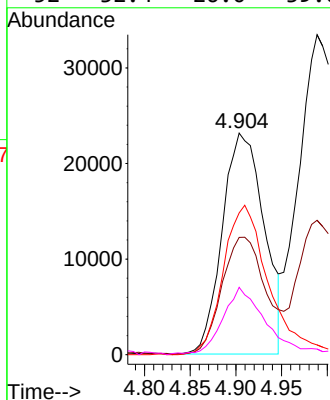
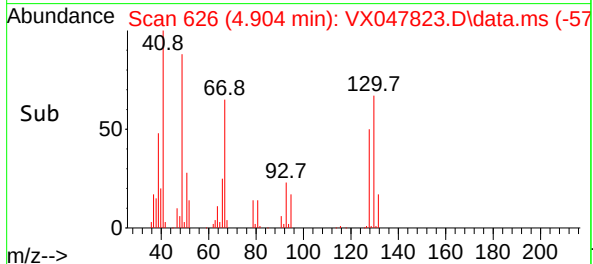
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



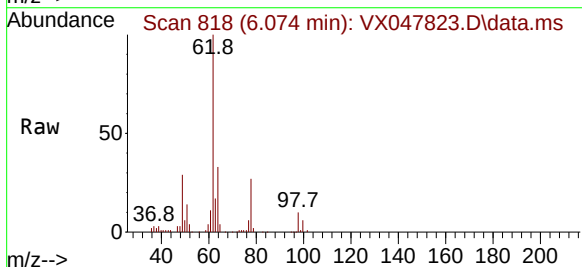
Tgt Ion: 41 Resp: 73804
Ion Ratio Lower Upper
41 100
39 56.7 43.3 64.9
67 74.7 58.6 87.8
52 32.4 26.0 39.0

Manual Integrations
APPROVED

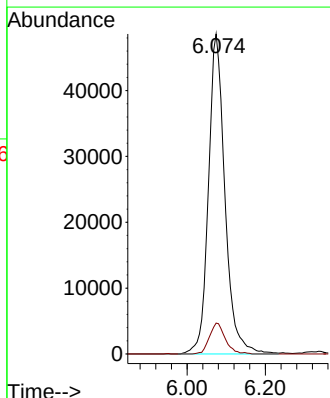
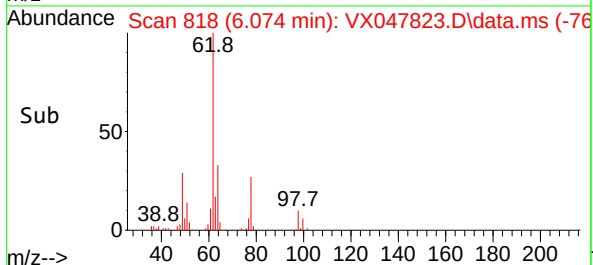
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

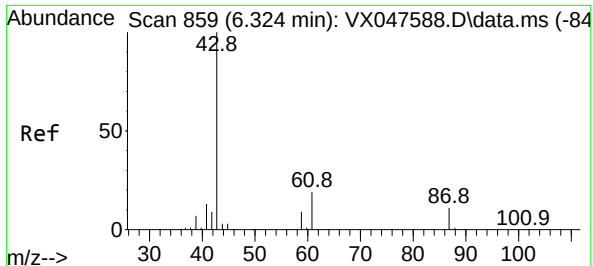


#42
1,2-Dichloroethane
Concen: 50.000 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09



Tgt Ion: 62 Resp: 141902
Ion Ratio Lower Upper
62 100
98 9.3 0.0 17.0





#43

Isopropyl Acetate

Concen: 52.636 ug/l

RT: 6.324 min Scan# 859

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

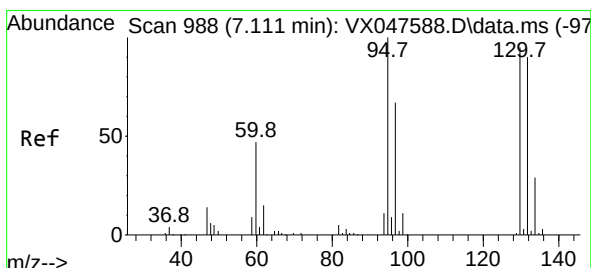
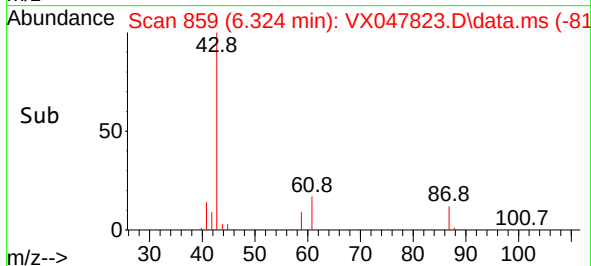
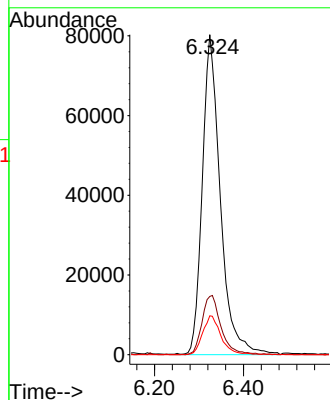
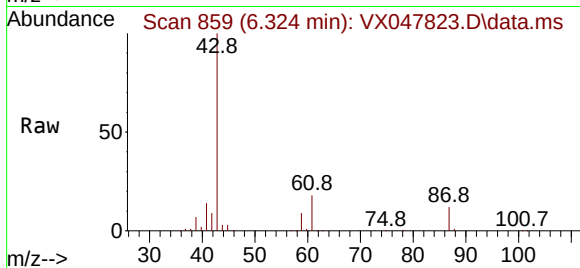
VSTDCCC050EC

Tgt Ion:	43	Resp:	226994
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.2	22.8
87	12.3	9.6	14.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#44

Trichloroethene

Concen: 51.375 ug/l

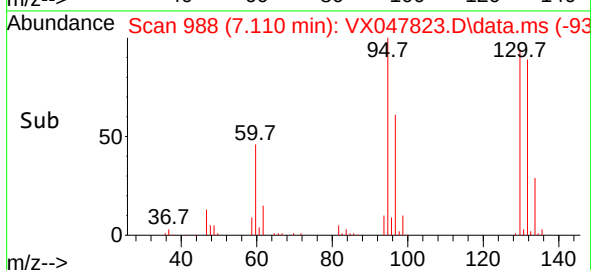
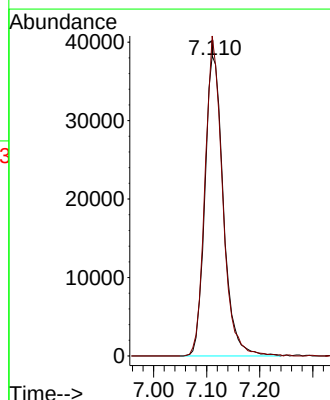
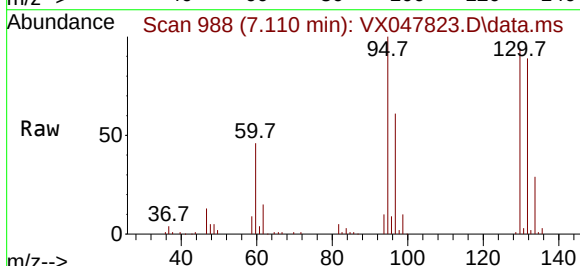
RT: 7.110 min Scan# 988

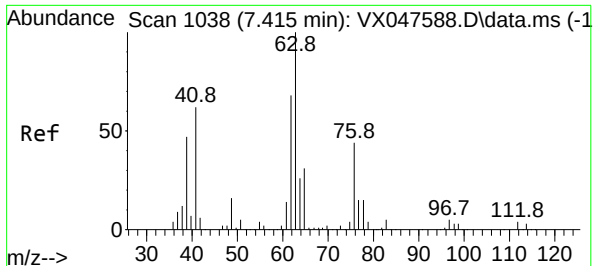
Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Tgt Ion:	130	Resp:	92646
Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	210.8





#45

1,2-Dichloropropane

Concen: 52.856 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 10095

Ion Ratio Lower Upper

63 100

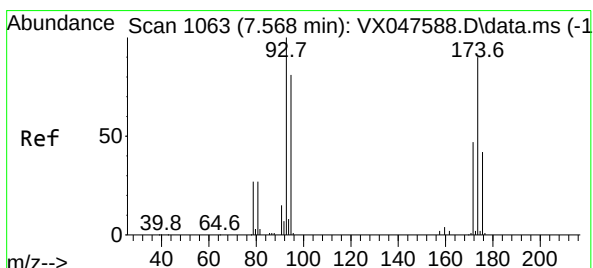
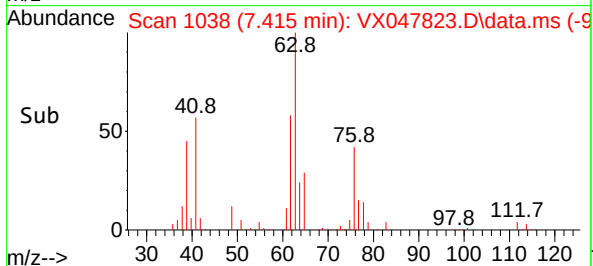
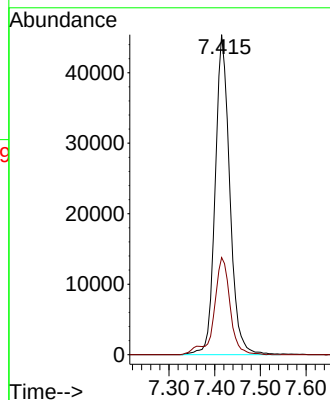
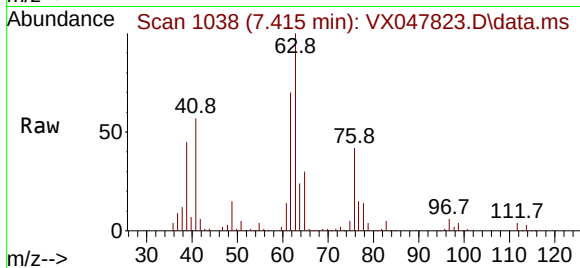
65 30.3 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#46

Dibromomethane

Concen: 52.781 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

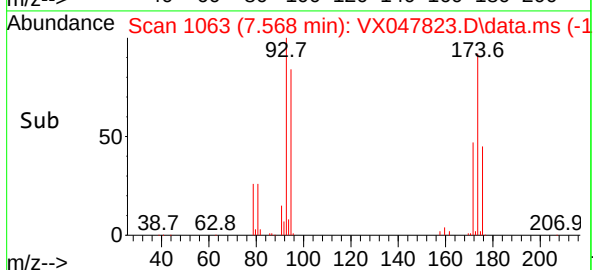
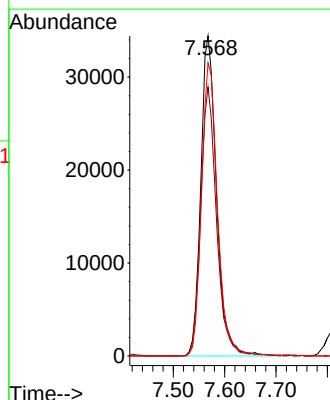
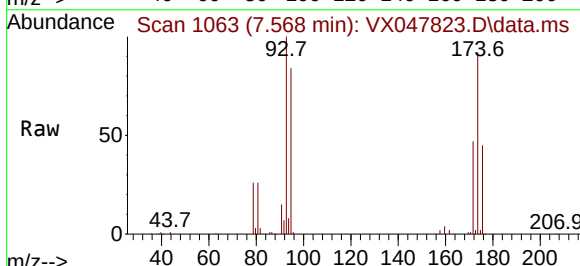
Tgt Ion: 93 Resp: 73360

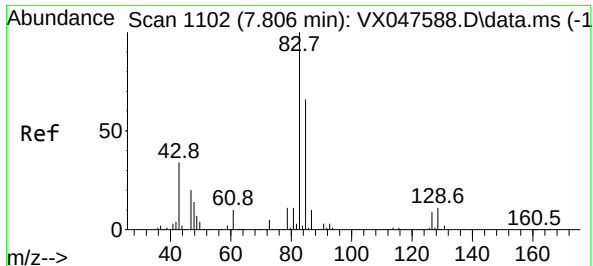
Ion Ratio Lower Upper

93 100

95 84.0 65.0 97.6

174 92.9 71.6 107.4





#47

Bromodichloromethane

Concen: 52.127 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050EC

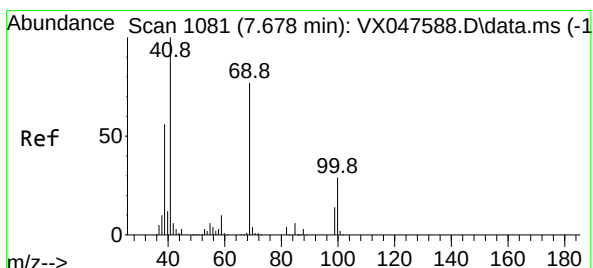
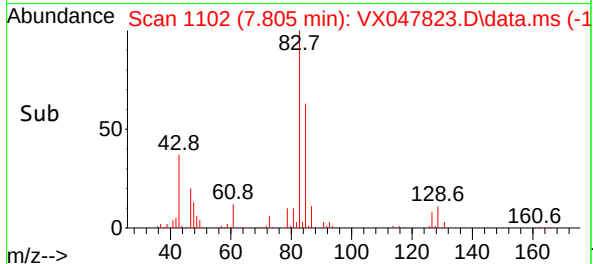
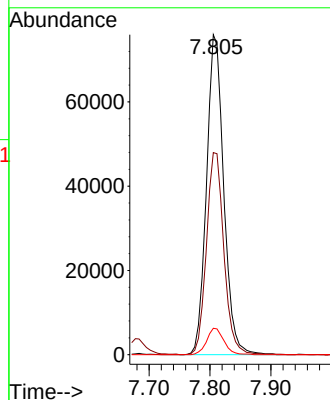
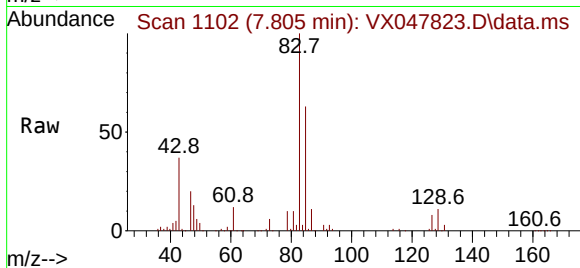
Tgt Ion:	83	Resp:	149500
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.5	78.7
127	8.3	6.9	10.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#48

Methyl methacrylate

Concen: 53.443 ug/l

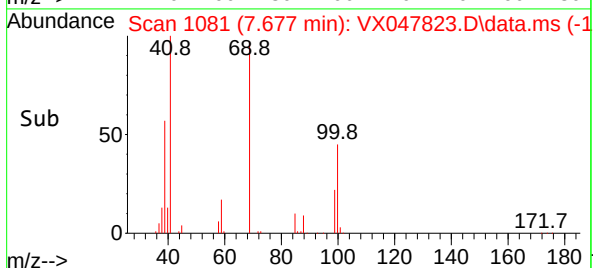
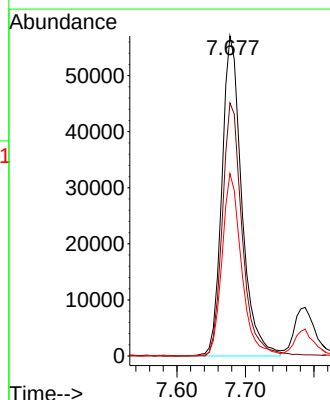
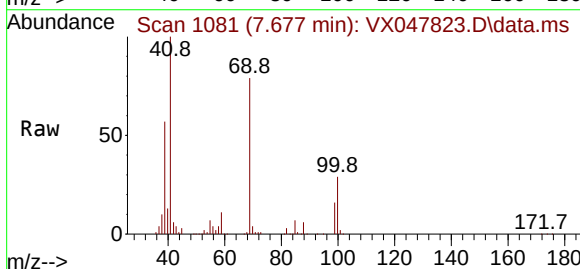
RT: 7.677 min Scan# 1081

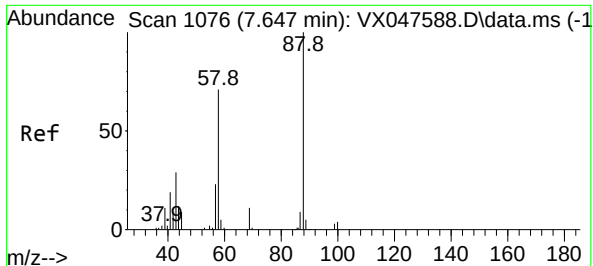
Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Tgt Ion:	41	Resp:	114802
Ion	Ratio	Lower	Upper
41	100		
69	78.9	61.4	92.2
39	55.7	45.8	68.6





#49

1,4-Dioxane

Concen: 1317.923 ug/l

RT: 7.647 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 88 Resp: 2861

Ion Ratio Lower Upper

88 100

43 39.0 30.2 45.2

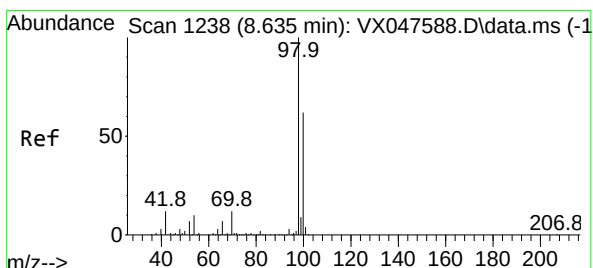
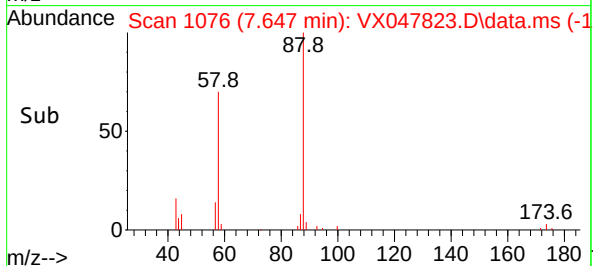
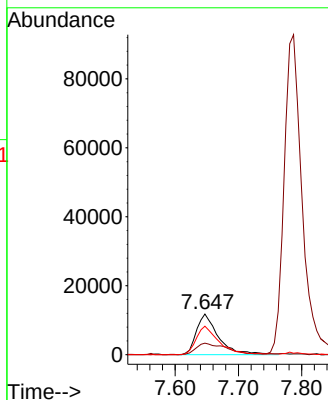
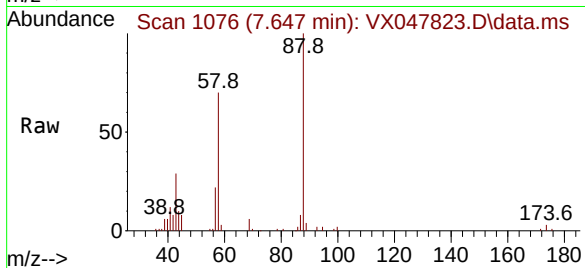
58 72.3 59.5 89.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#50

Toluene-d8

Concen: 49.227 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047823.D

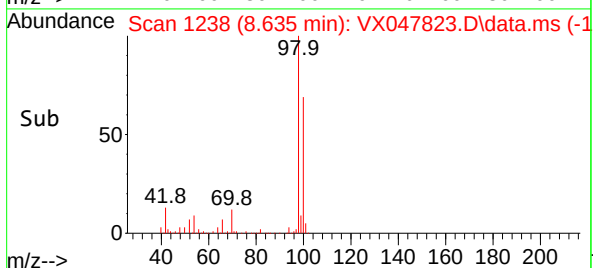
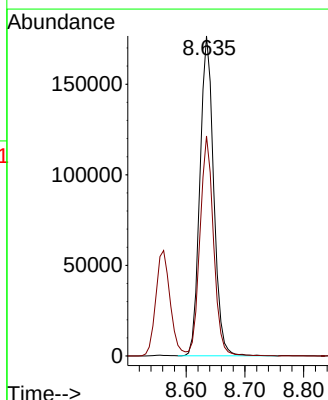
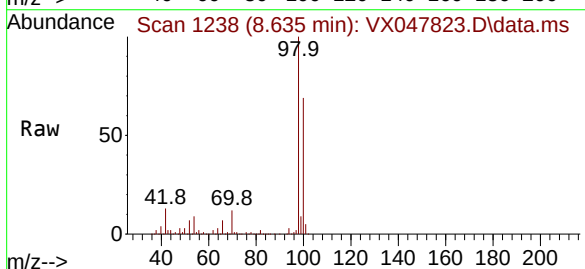
Acq: 25 Sep 2025 19:09

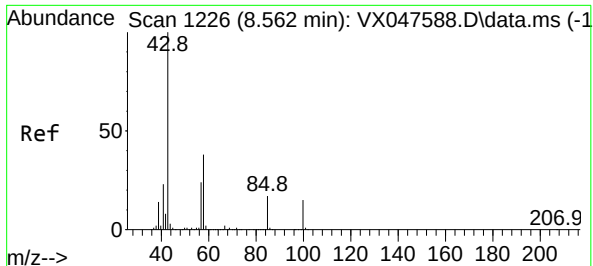
Tgt Ion: 98 Resp: 286276

Ion Ratio Lower Upper

98 100

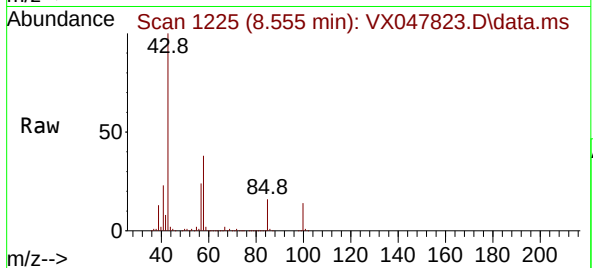
100 68.1 53.0 79.4





#51
4-Methyl-2-Pentanone
Concen: 283.290 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

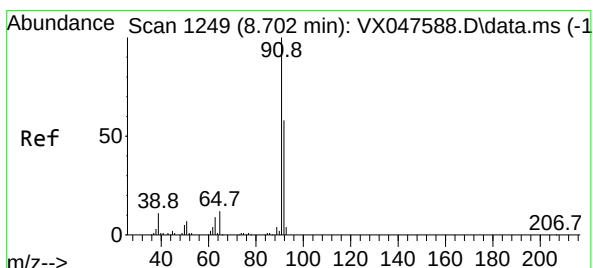
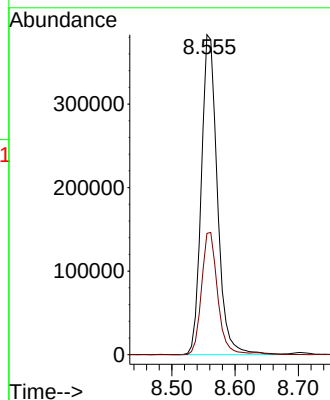
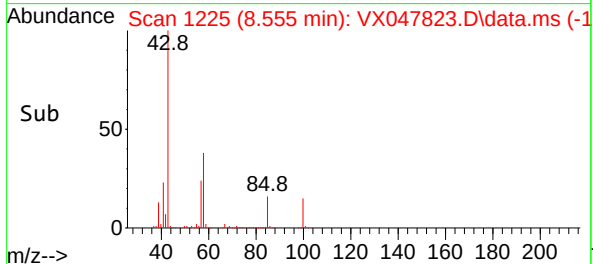
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 677360
Ion Ratio Lower Upper
43 100
58 38.1 30.3 45.5

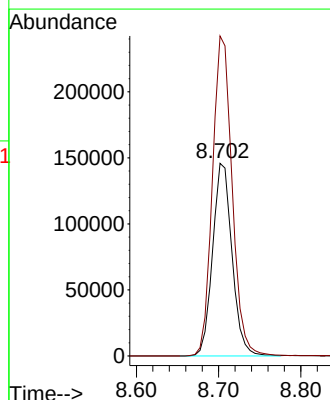
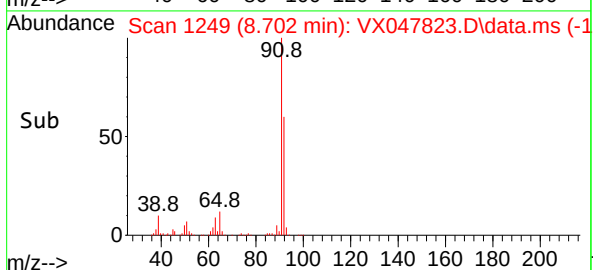
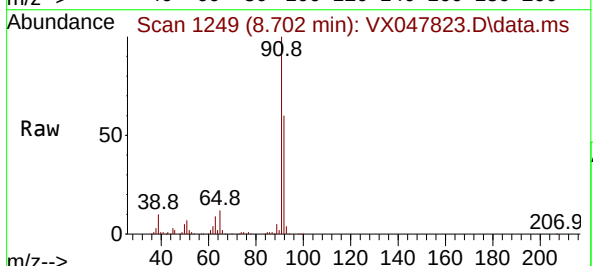
Manual Integrations
APPROVED

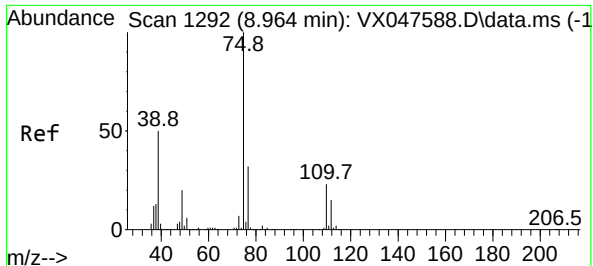
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#52
Toluene
Concen: 52.084 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 92 Resp: 239352
Ion Ratio Lower Upper
92 100
91 168.4 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 49.172 ug/l

RT: 8.964 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 143852

Ion Ratio Lower Upper

75 100

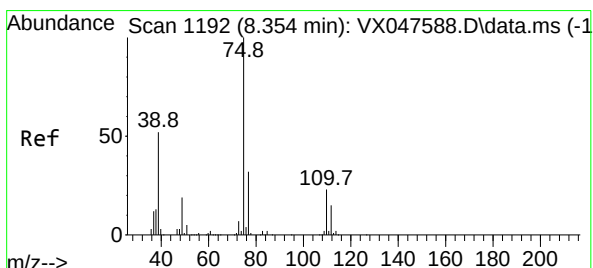
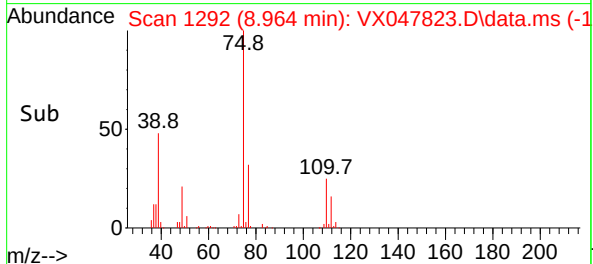
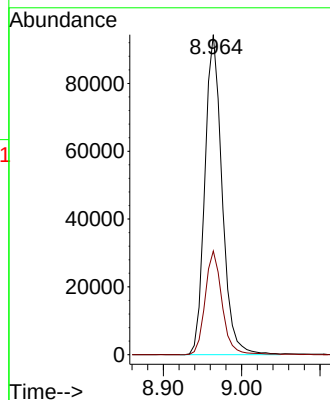
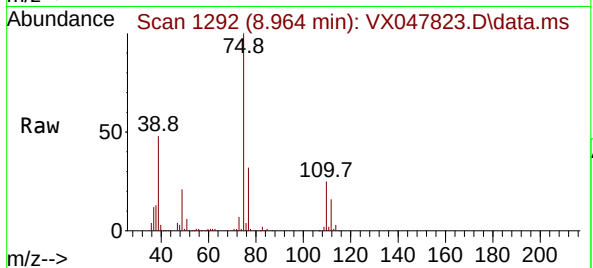
77 32.4 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#54

cis-1,3-Dichloropropene

Concen: 50.226 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

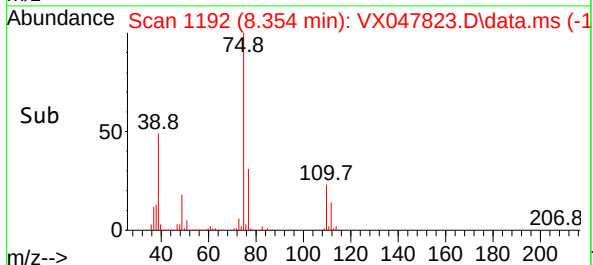
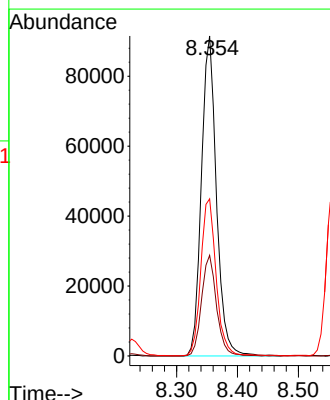
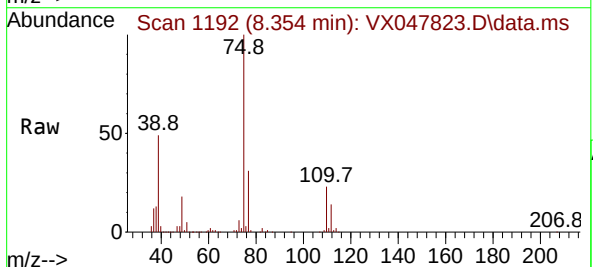
Tgt Ion: 75 Resp: 157052

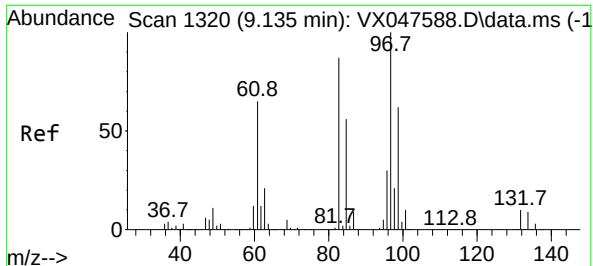
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6

39 49.0 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 54.391 ug/l

RT: 9.135 min Scan# 1320

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 9638

Ion Ratio Lower Upper

97 100

83 85.2 69.6 104.4

85 55.2 45.0 67.6

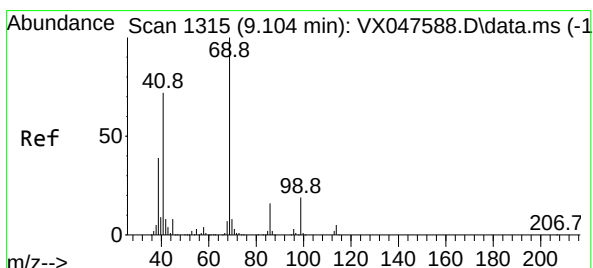
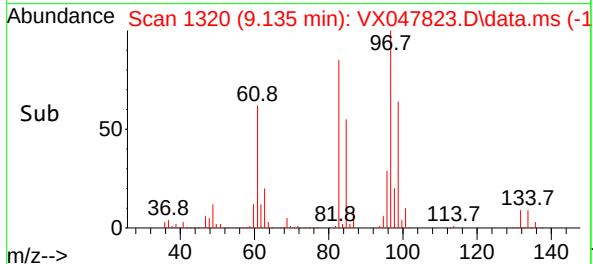
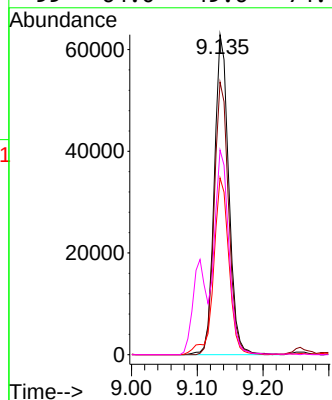
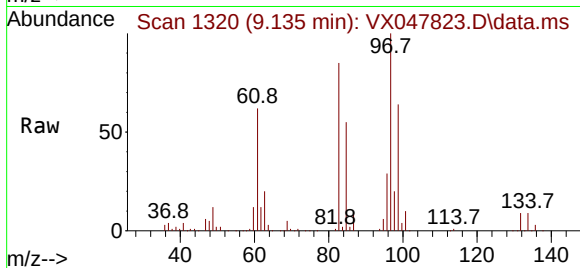
99 64.0 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#56

Ethyl methacrylate

Concen: 54.571 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

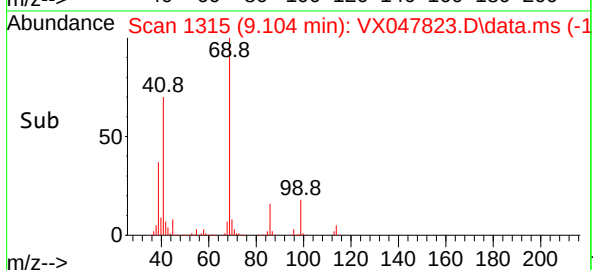
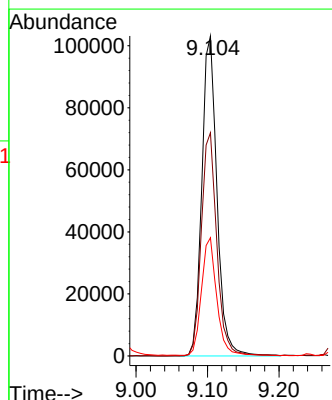
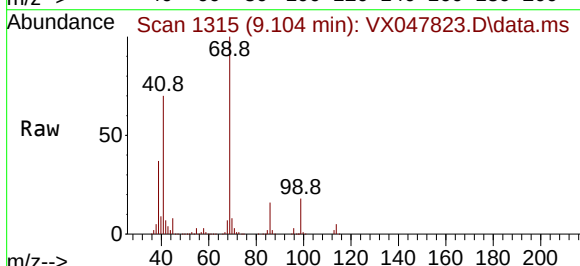
Tgt Ion: 69 Resp: 151863

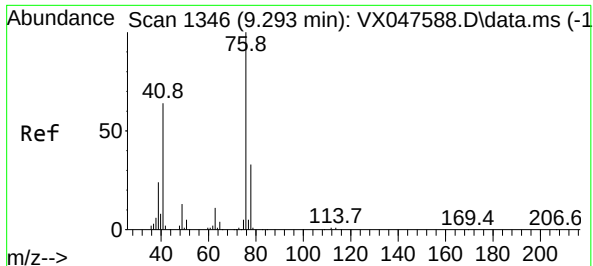
Ion Ratio Lower Upper

69 100

41 71.4 58.6 87.8

39 37.3 31.5 47.3





#57

1,3-Dichloropropane

Concen: 54.630 ug/l

RT: 9.293 min Scan# 11346

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 16629

Ion Ratio Lower Upper

76 100

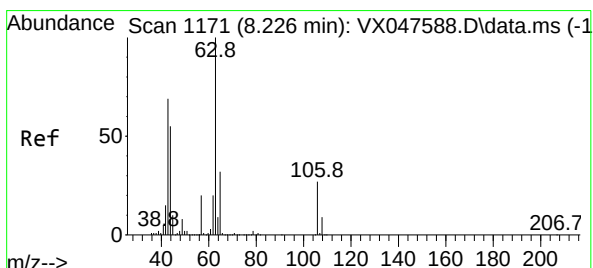
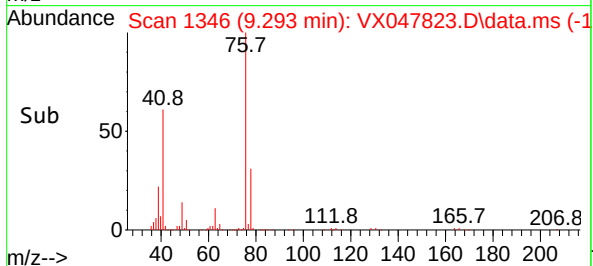
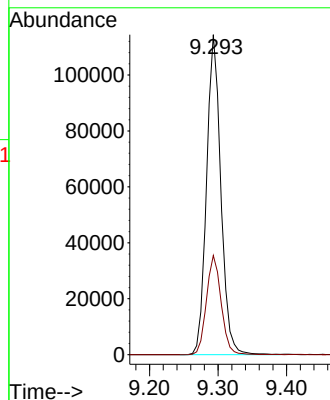
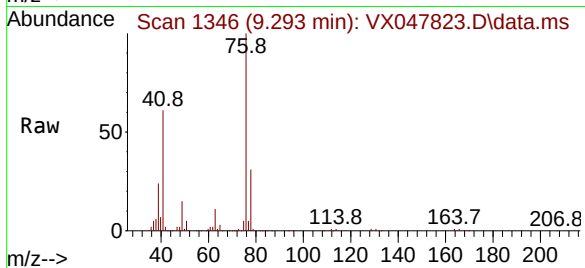
78 31.9 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#58

2-Chloroethyl Vinyl ether

Concen: 273.260 ug/l

RT: 8.226 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VX047823.D

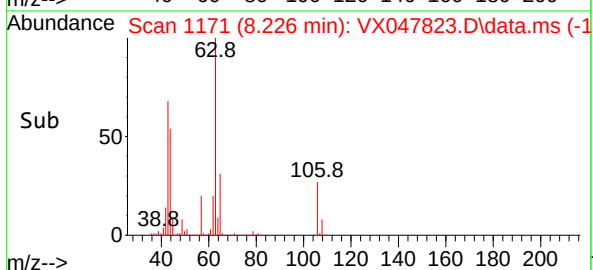
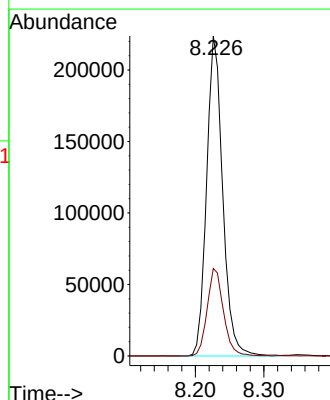
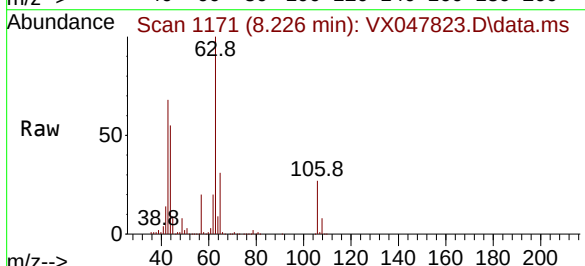
Acq: 25 Sep 2025 19:09

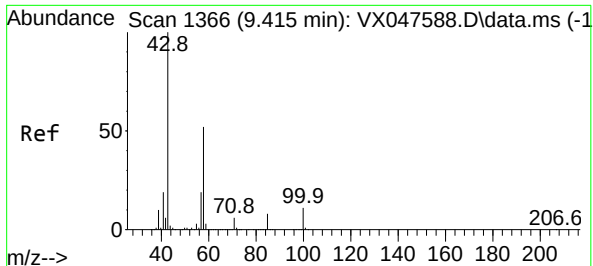
Tgt Ion: 63 Resp: 365599

Ion Ratio Lower Upper

63 100

106 27.7 21.9 32.9





#59

2-Hexanone

Concen: 275.126 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 47246

Ion Ratio Lower Upper

43 100

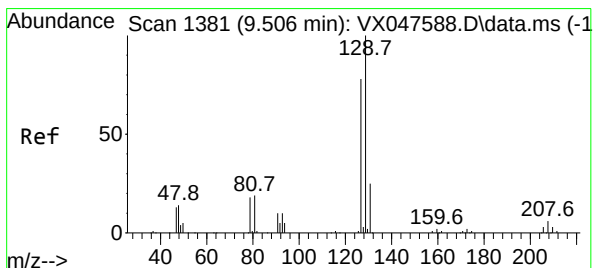
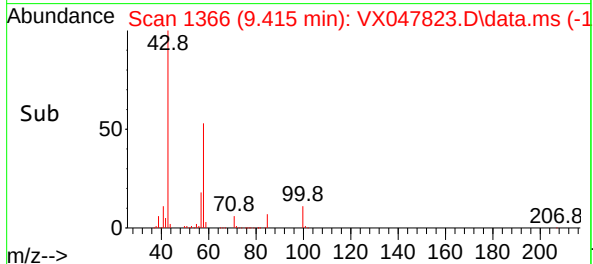
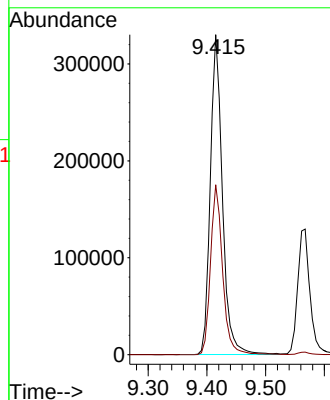
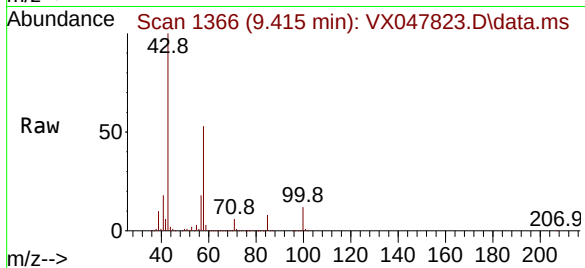
58 53.1 26.1 78.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#60

Dibromochloromethane

Concen: 54.529 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VX047823.D

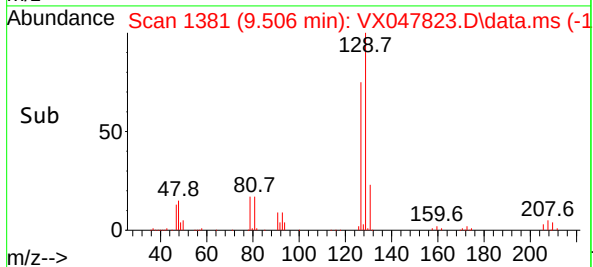
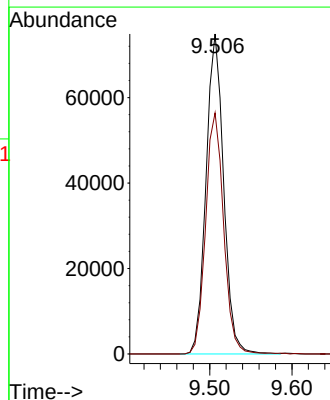
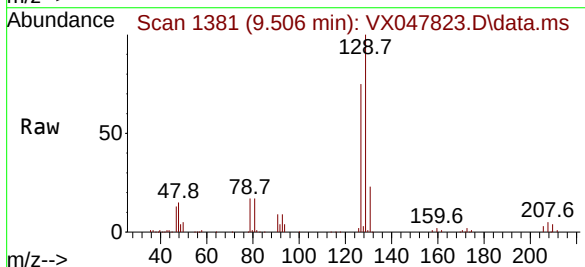
Acq: 25 Sep 2025 19:09

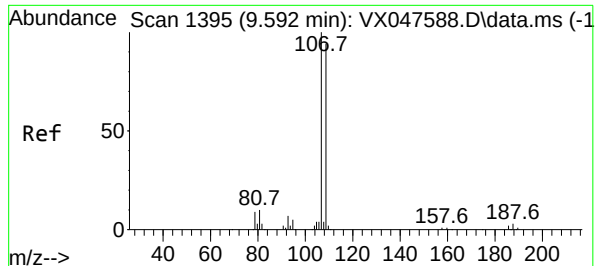
Tgt Ion:129 Resp: 111334

Ion Ratio Lower Upper

129 100

127 77.1 38.4 115.2





#61
1,2-Dibromoethane
Concen: 55.828 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

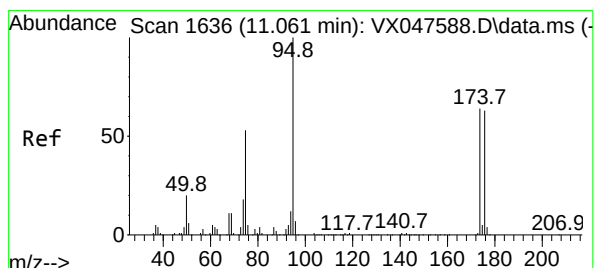
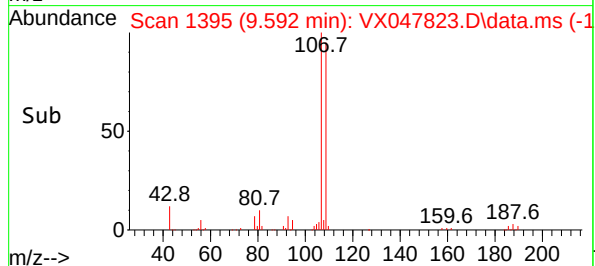
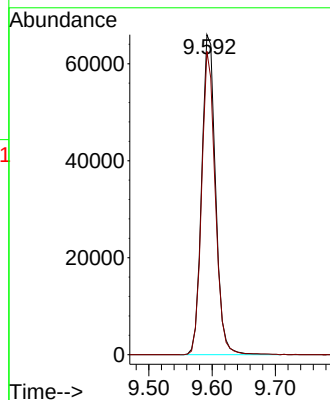
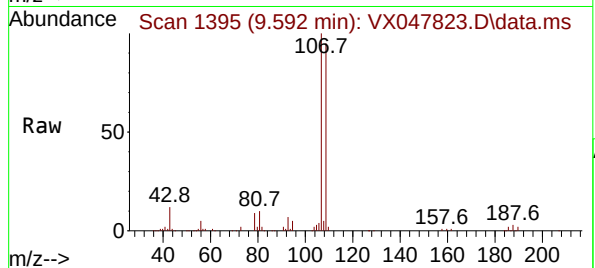
ClientSampleId :

VSTDC050EC

Tgt Ion: 107 Resp: 100762
Ion Ratio Lower Upper
107 100
109 93.1 75.3 112.9

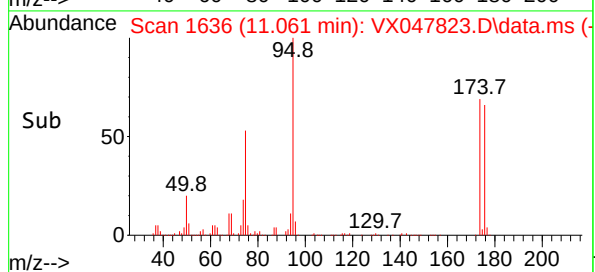
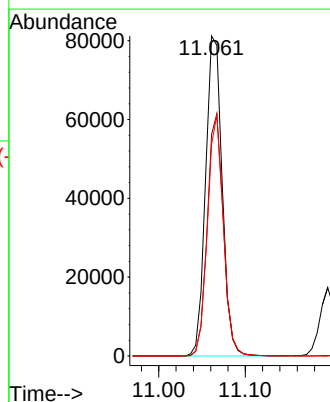
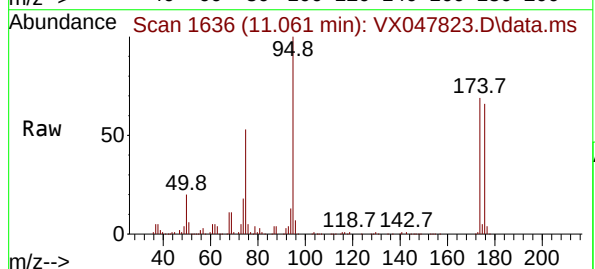
Manual Integrations
APPROVED

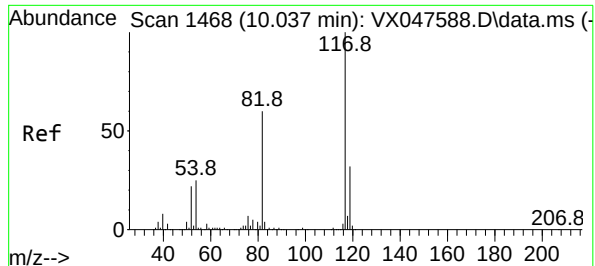
Reviewed By : John Carlone 09/26/2025
Supervised By : Mahesh Dadoda 09/29/2025



#62
4-Bromofluorobenzene
Concen: 48.923 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

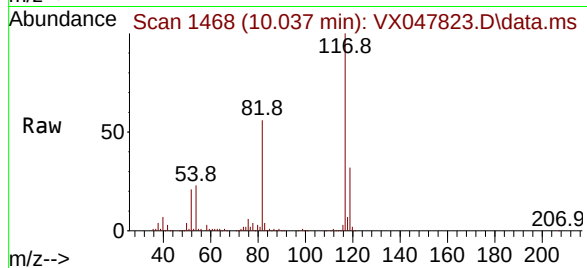
Tgt Ion: 95 Resp: 107976
Ion Ratio Lower Upper
95 100
174 73.4 0.0 141.6
176 72.0 0.0 138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

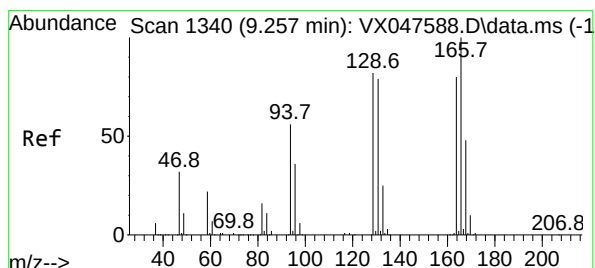
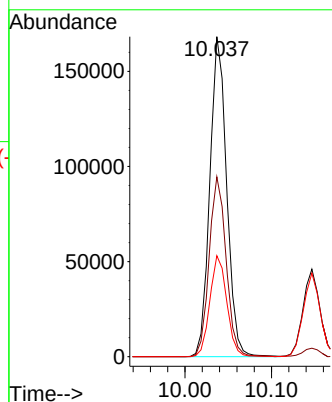
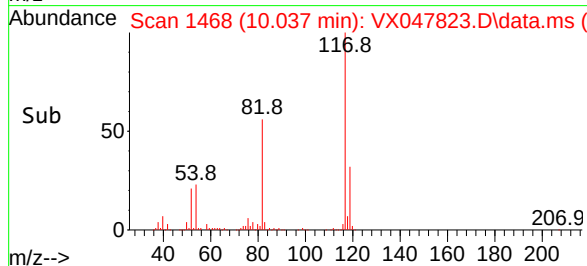
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:117 Resp: 22718
Ion Ratio Lower Upper
117 100
82 56.2 47.8 71.6
119 31.6 25.2 37.8

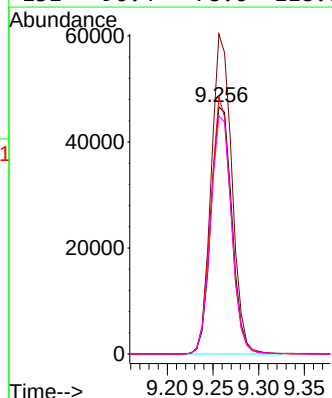
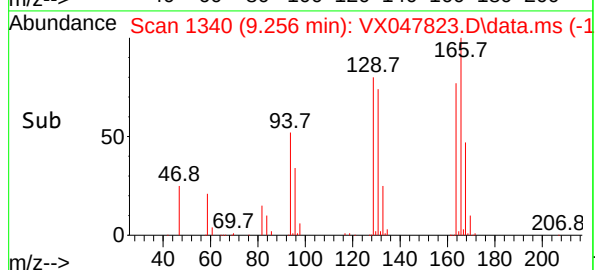
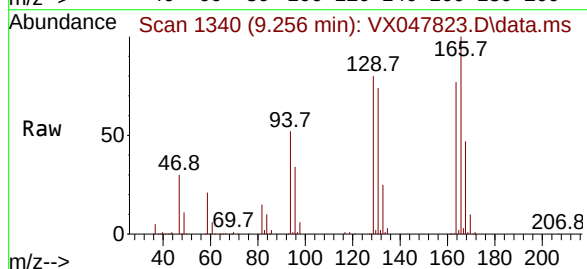
Manual Integrations
APPROVED

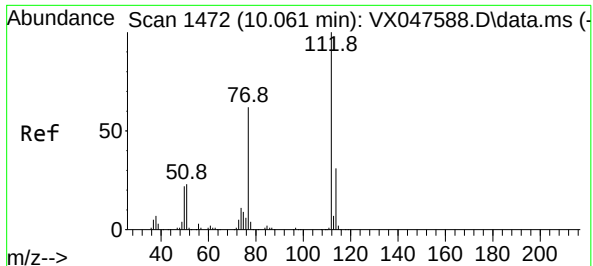
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#64
Tetrachloroethene
Concen: 50.109 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion:164 Resp: 74213
Ion Ratio Lower Upper
164 100
166 129.5 100.2 150.2
129 103.9 81.8 122.6
131 96.4 78.6 118.0





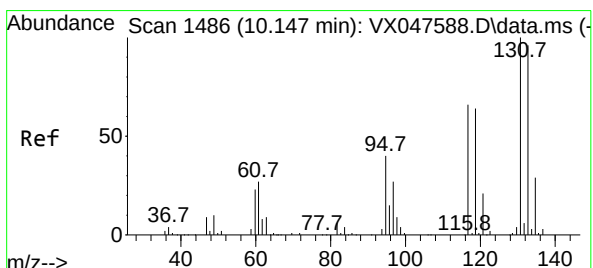
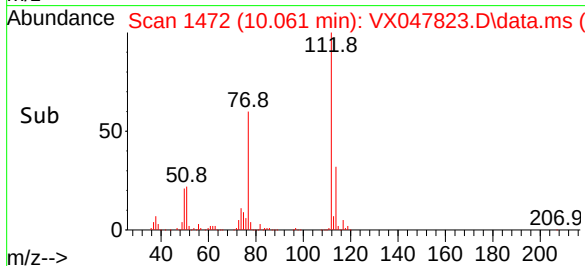
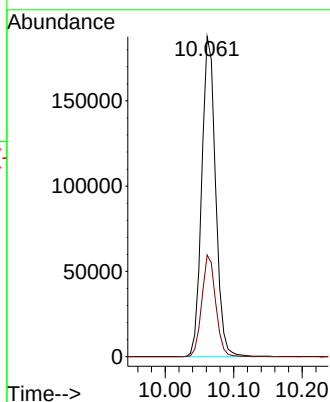
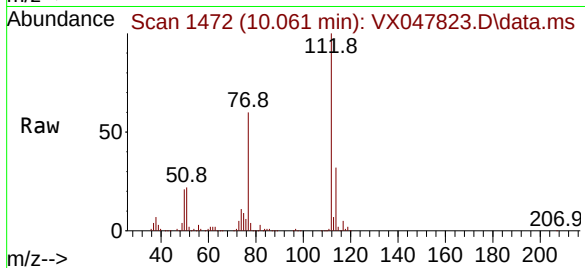
#65
Chlorobenzene
Concen: 51.289 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 264710
Ion Ratio Lower Upper
112 100
114 31.8 25.1 37.7

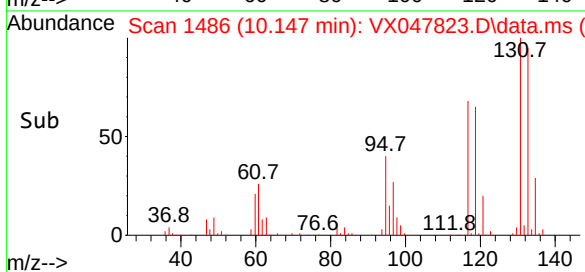
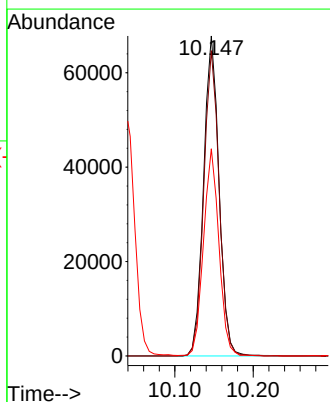
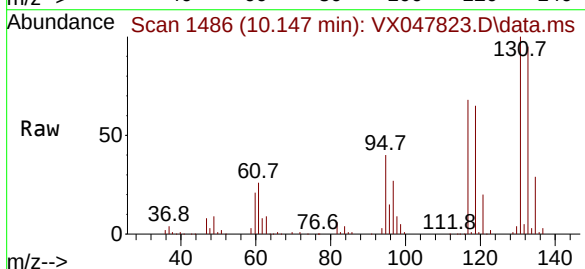
Manual Integrations
APPROVED

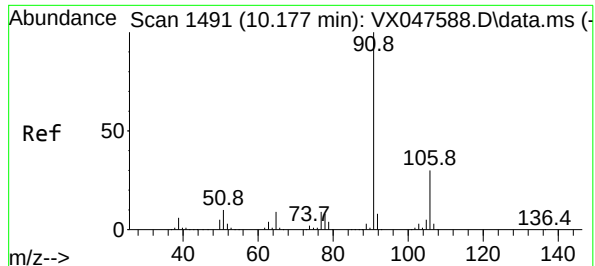
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 52.017 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion:131 Resp: 92643
Ion Ratio Lower Upper
131 100
133 95.0 47.3 142.0
119 64.7 32.0 96.0





#67

Ethyl Benzene

Concen: 50.998 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 454152

Ion Ratio Lower Upper

91 100

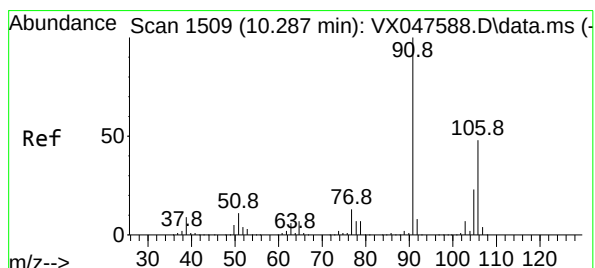
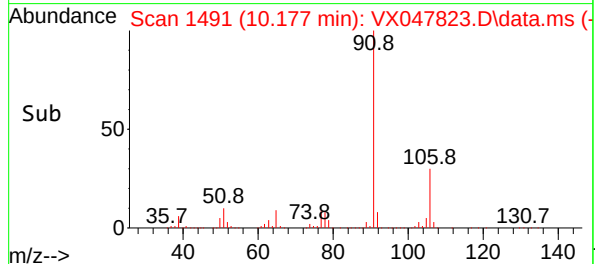
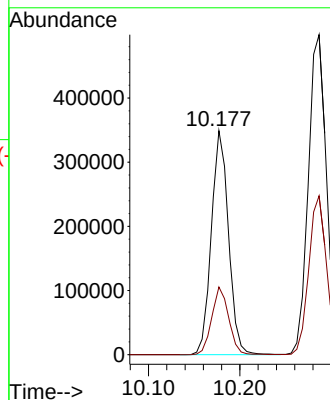
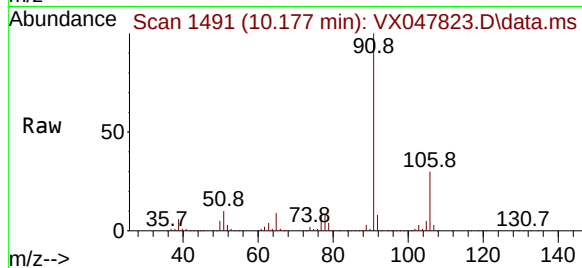
106 30.2 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#68

m/p-Xylenes

Concen: 102.531 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX047823.D

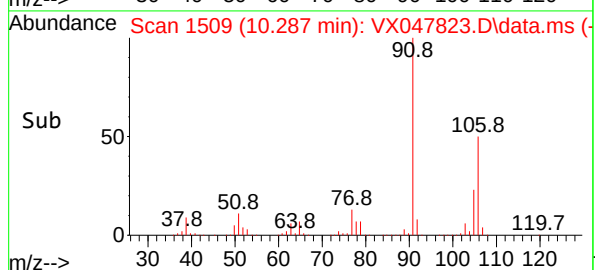
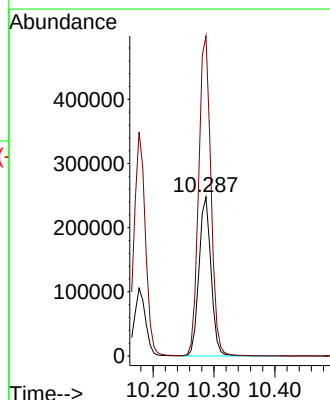
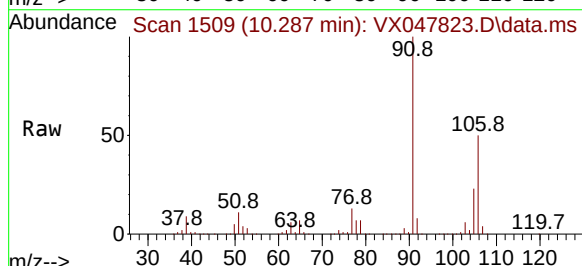
Acq: 25 Sep 2025 19:09

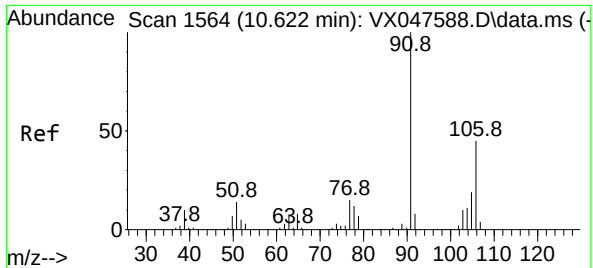
Tgt Ion:106 Resp: 339855

Ion Ratio Lower Upper

106 100

91 204.9 167.8 251.8





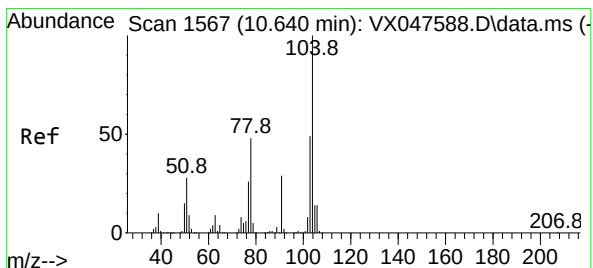
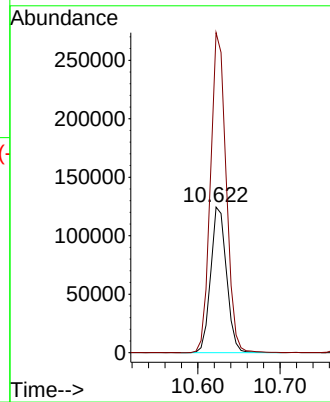
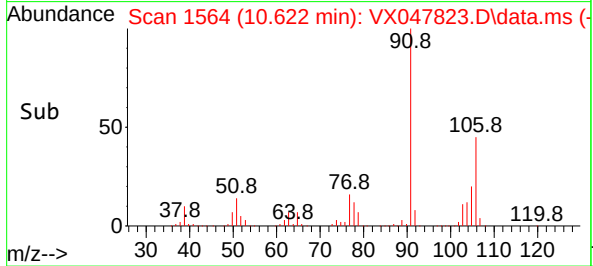
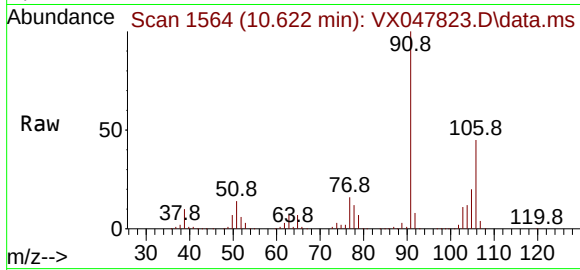
#69
o-Xylene
Concen: 51.944 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 16653
Ion Ratio Lower Upper
106 100
91 218.0 111.1 333.4

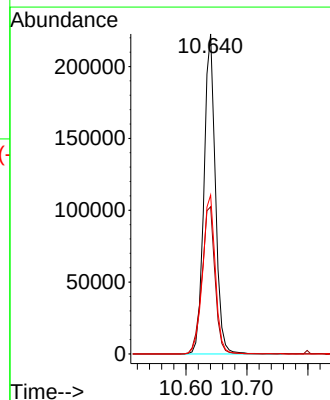
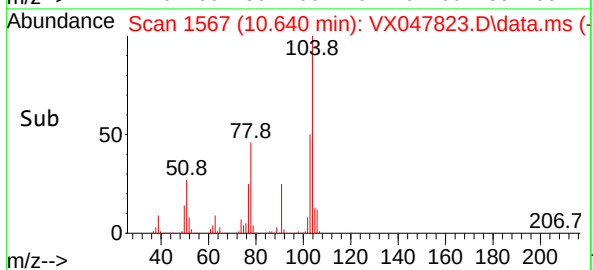
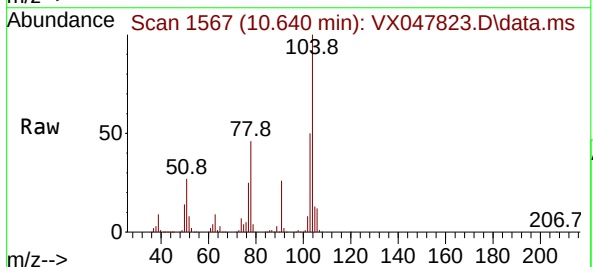
Manual Integrations
APPROVED

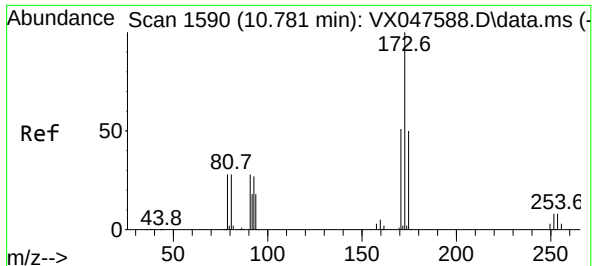
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#70
Styrene
Concen: 51.778 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

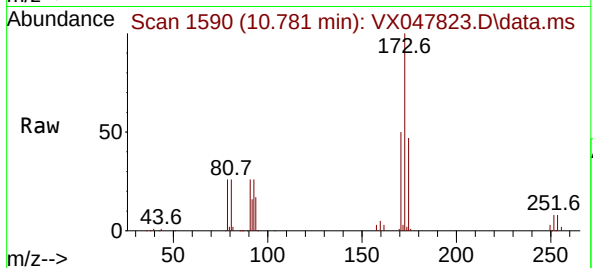
Tgt Ion:104 Resp: 290866
Ion Ratio Lower Upper
104 100
78 52.4 43.1 64.7
103 54.9 43.1 64.7





#71
Bromoform
Concen: 54.510 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

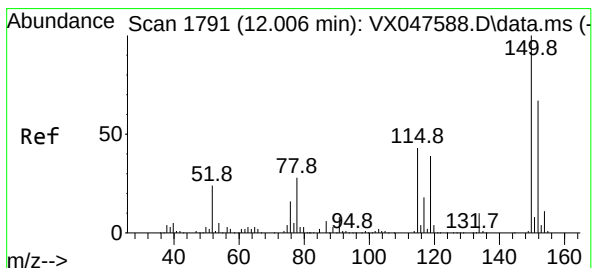
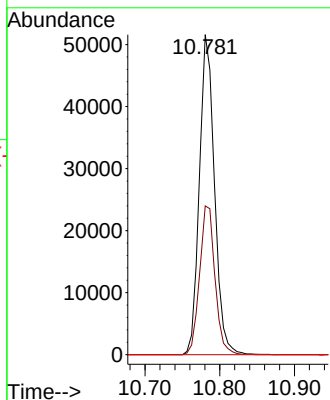
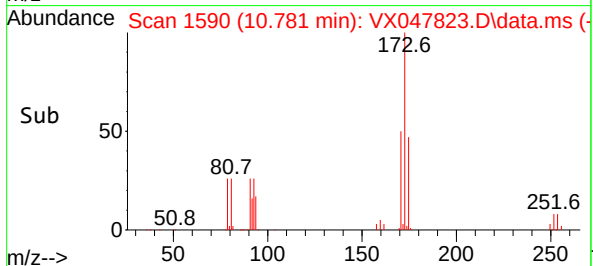
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



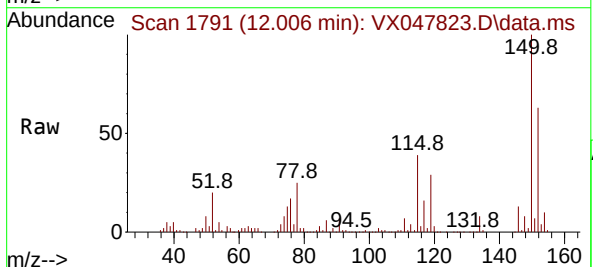
Tgt Ion:173 Resp: 7249
Ion Ratio Lower Upper
173 100
175 47.4 24.9 74.6
254 0.0 0.1 0.1

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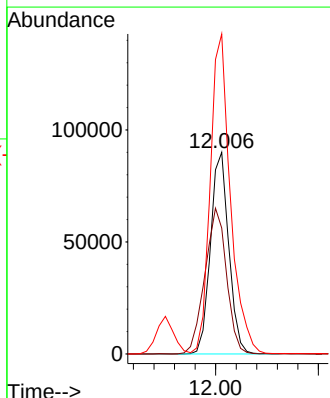
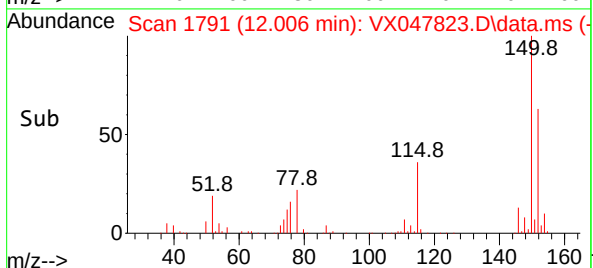
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

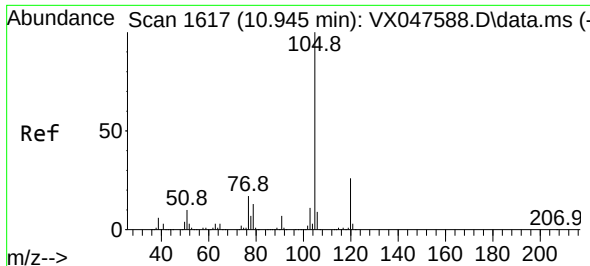


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09



Tgt Ion:152 Resp: 111205
Ion Ratio Lower Upper
152 100
115 85.8 44.9 134.5
150 174.1 0.0 352.0





#73

Isopropylbenzene

Concen: 49.442 ug/l

RT: 10.945 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 41800

Ion Ratio Lower Upper

105 100

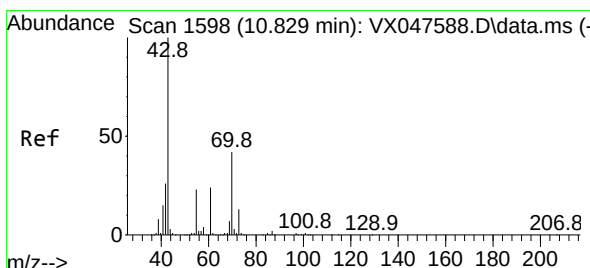
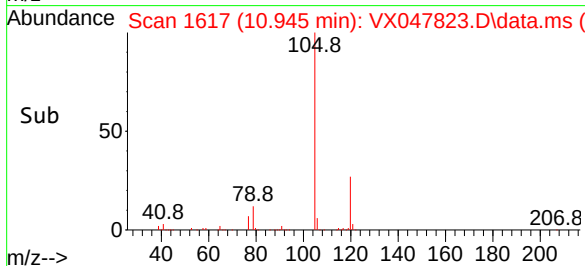
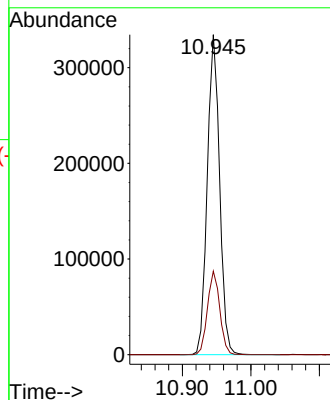
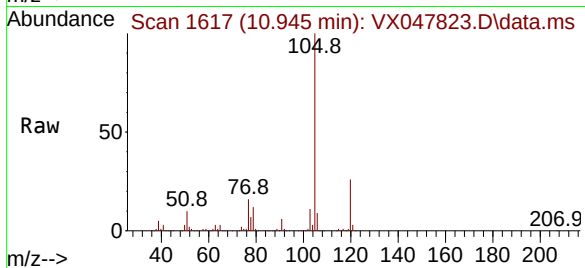
120 26.1 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#74

N-ethyl acetate

Concen: 51.849 ug/l

RT: 10.829 min Scan# 1598

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Tgt Ion: 43 Resp: 199899

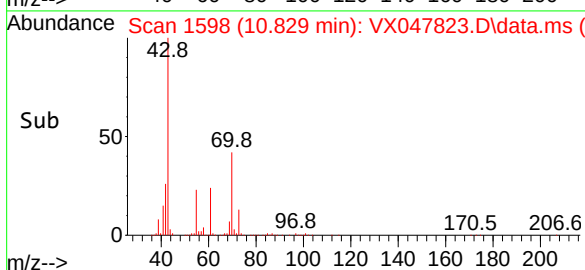
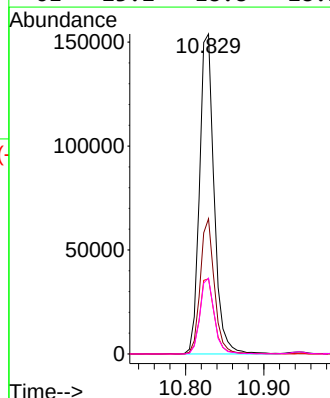
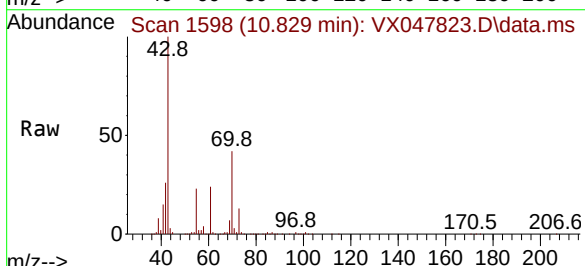
Ion Ratio Lower Upper

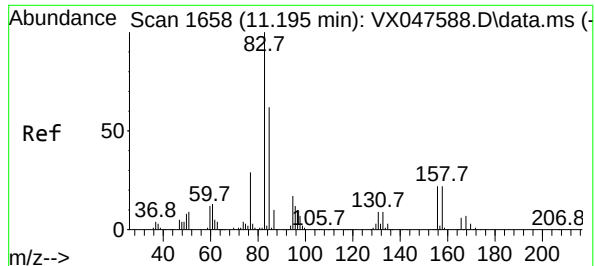
43 100

70 41.0 32.0 48.0

55 23.8 18.9 28.3

61 23.2 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 53.895 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 13785

Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

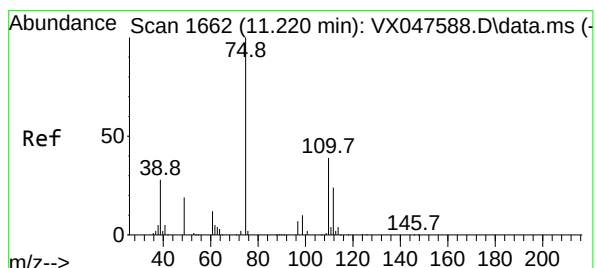
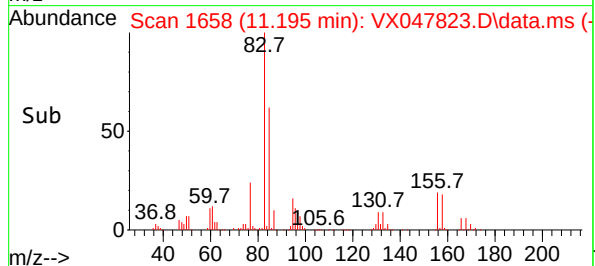
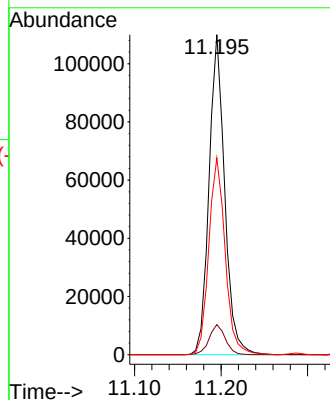
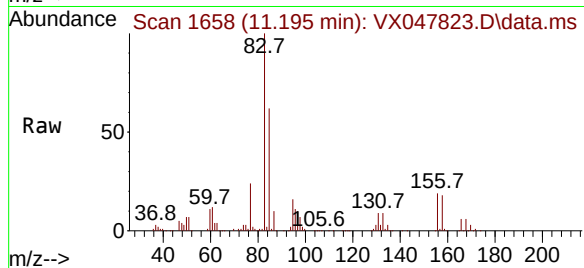
85 64.4 31.6 95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#76

1,2,3-Trichloropropane

Concen: 46.695 ug/l m

RT: 11.220 min Scan# 1662

Delta R.T. -0.000 min

Lab File: VX047823.D

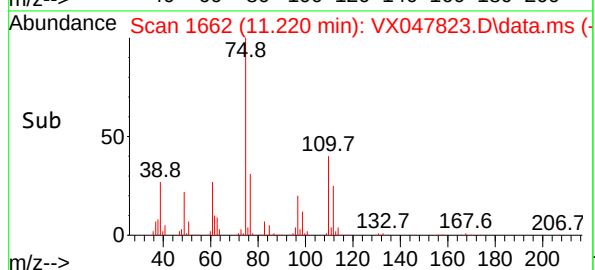
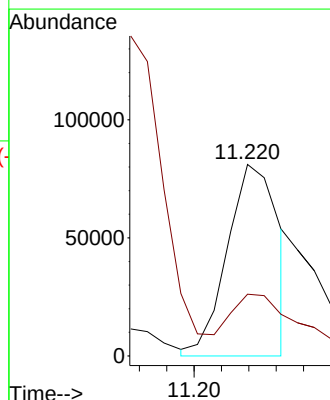
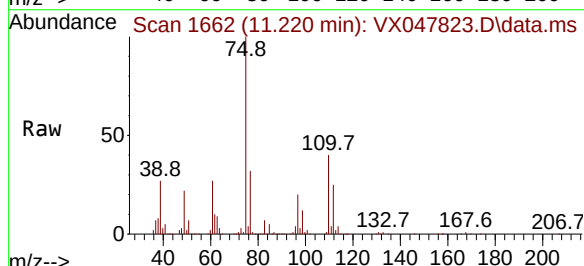
Acq: 25 Sep 2025 19:09

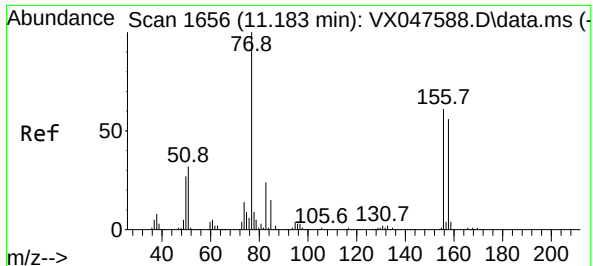
Tgt Ion: 75 Resp: 105136

Ion Ratio Lower Upper

75 100

77 43.5 18.8 56.4





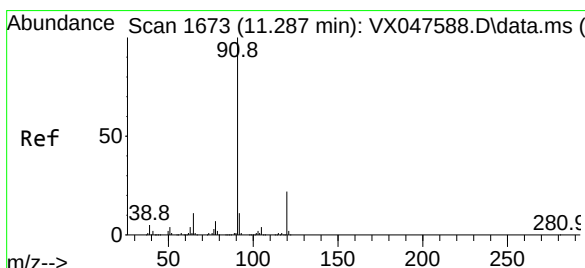
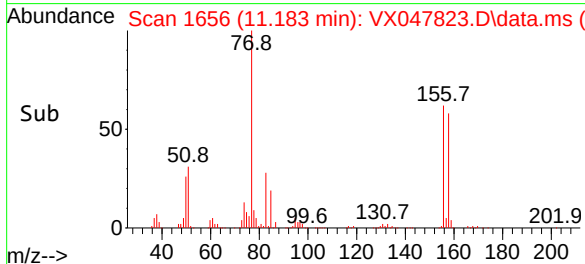
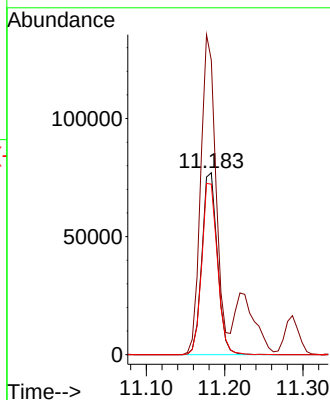
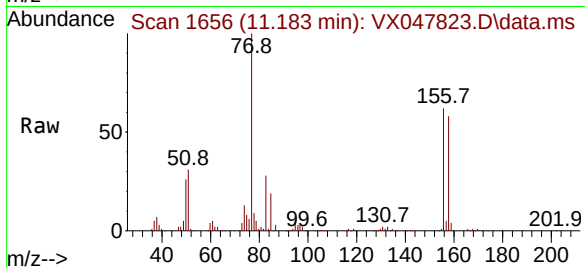
#77
Bromobenzene
Concen: 50.576 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 10531
Ion Ratio Lower Upper
156 100
77 175.2 89.7 269.1
158 95.9 47.9 143.6

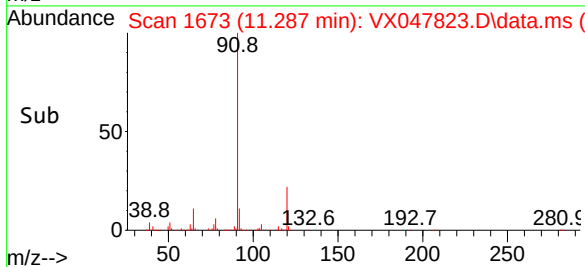
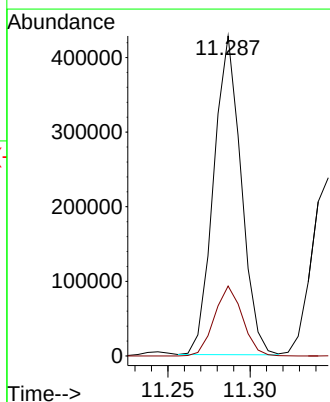
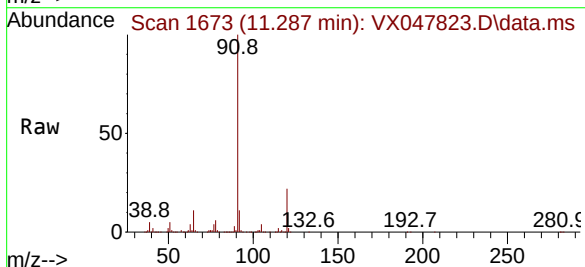
Manual Integrations
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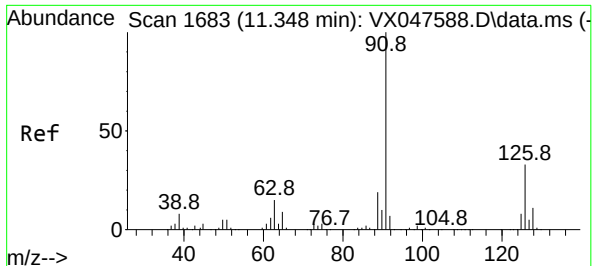
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#78
n-propylbenzene
Concen: 49.701 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 91 Resp: 496726
Ion Ratio Lower Upper
91 100
120 22.3 11.1 33.1





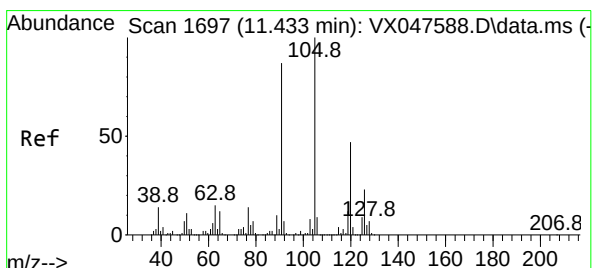
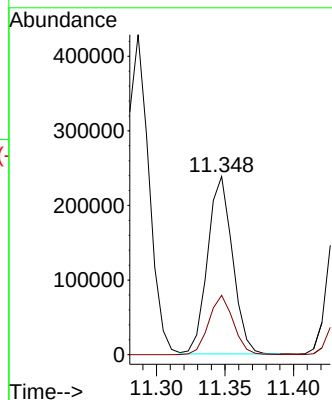
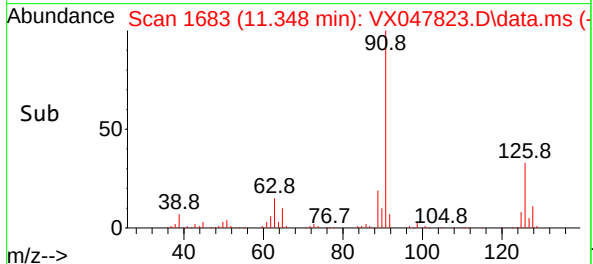
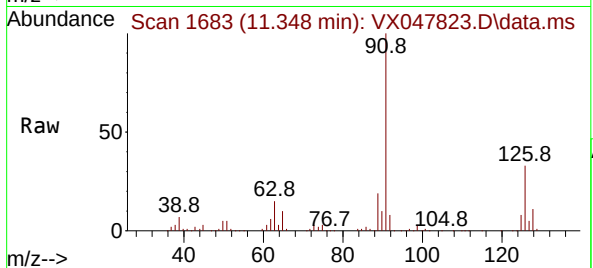
#79
2-Chlorotoluene
Concen: 49.240 ug/l
RT: 11.348 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 301415
Ion Ratio Lower Upper
91 100
126 33.0 16.1 48.3

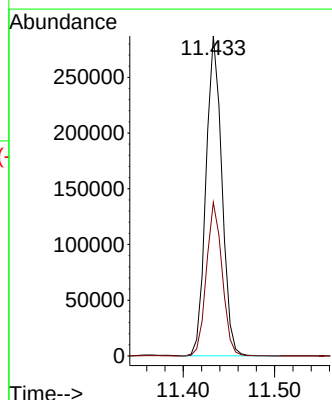
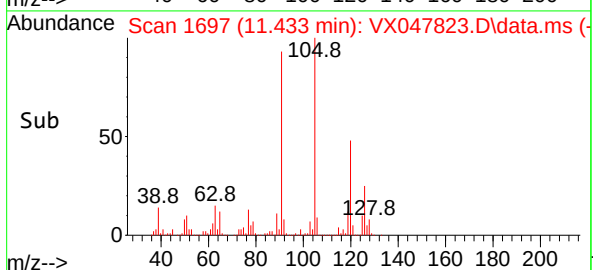
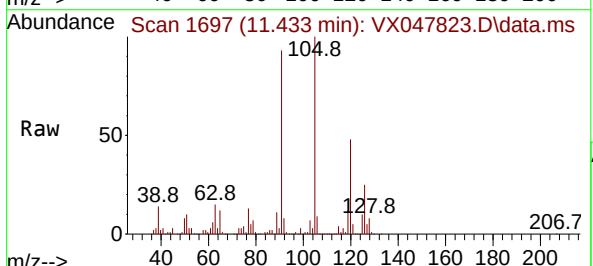
Manual Integrations
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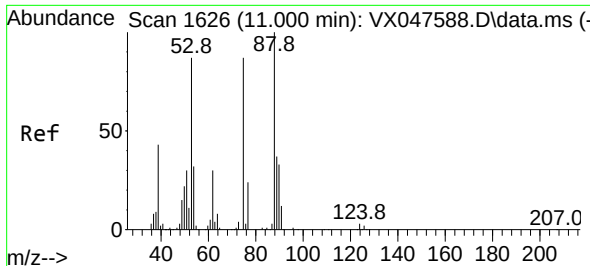
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#80
1,3,5-Trimethylbenzene
Concen: 49.685 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

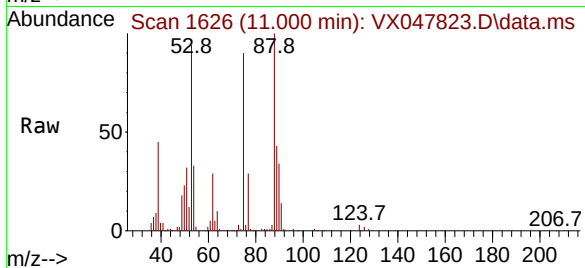
Tgt Ion:105 Resp: 345119
Ion Ratio Lower Upper
105 100
120 47.7 23.6 70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 43.621 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

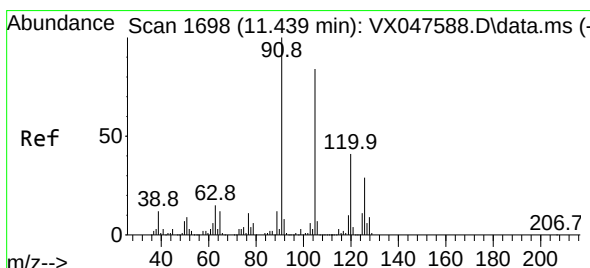
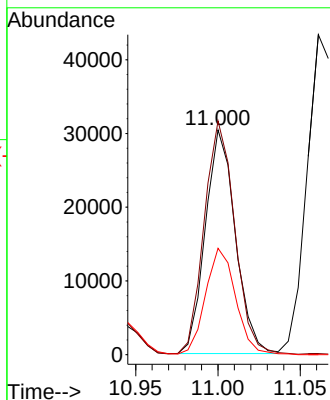
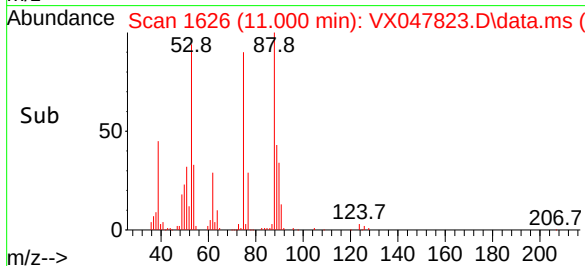
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 75 Resp: 38514
Ion Ratio Lower Upper
75 100
53 106.1 83.4 125.2
89 47.8 36.3 54.5

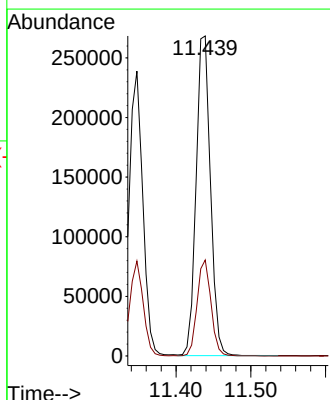
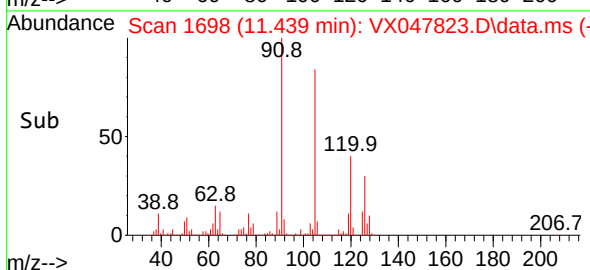
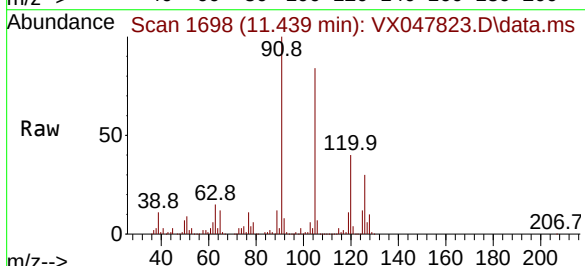
Manual Integrations
APPROVED

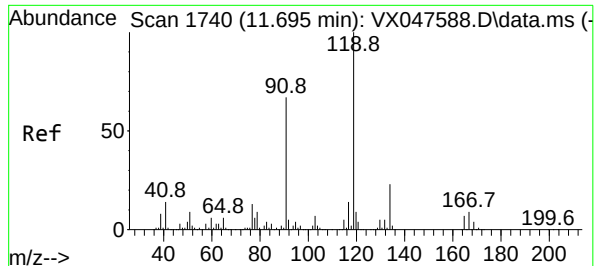
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#82
4-Chlorotoluene
Concen: 49.368 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 91 Resp: 356913
Ion Ratio Lower Upper
91 100
126 29.1 14.2 42.6





#83

tert-Butylbenzene

Concen: 48.736 ug/l

RT: 11.695 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:119 Resp: 34654

Ion Ratio Lower Upper

119 100

91 58.1 29.6 88.8

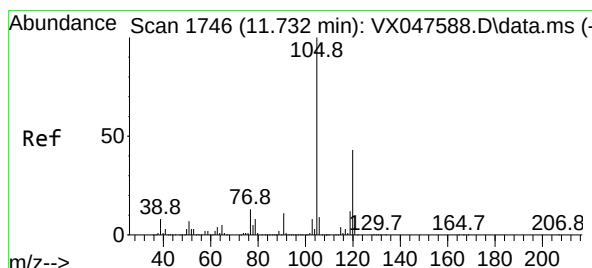
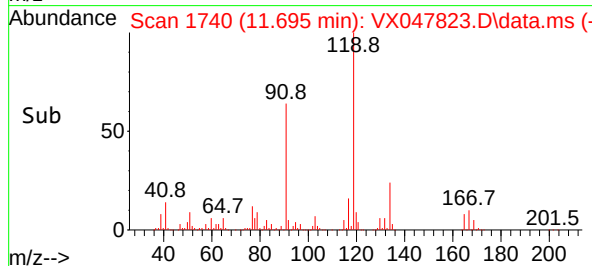
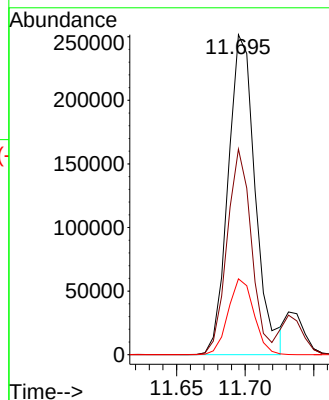
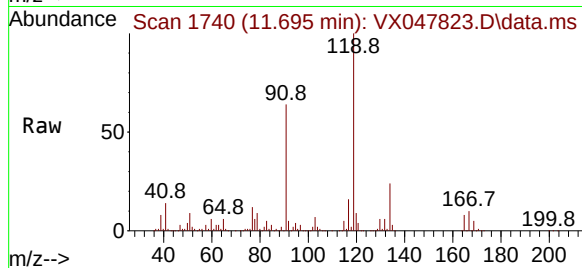
134 22.5 11.0 33.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#84

1,2,4-Trimethylbenzene

Concen: 49.770 ug/l

RT: 11.732 min Scan# 1746

Delta R.T. -0.000 min

Lab File: VX047823.D

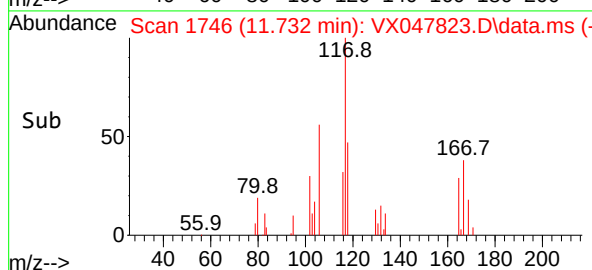
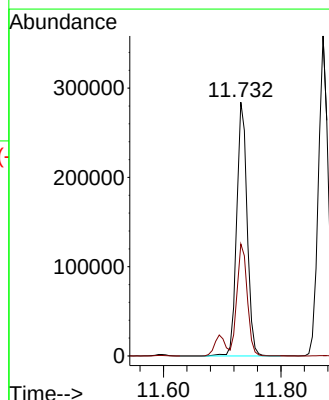
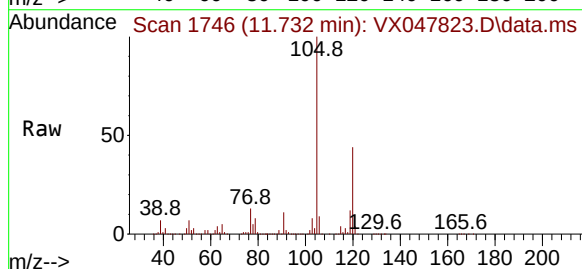
Acq: 25 Sep 2025 19:09

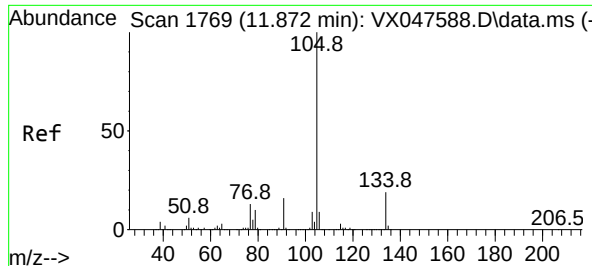
Tgt Ion:105 Resp: 350492

Ion Ratio Lower Upper

105 100

120 43.6 22.1 66.1





#85

sec-Butylbenzene

Concen: 49.318 ug/l

RT: 11.872 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 416534

Ion Ratio Lower Upper

105 100

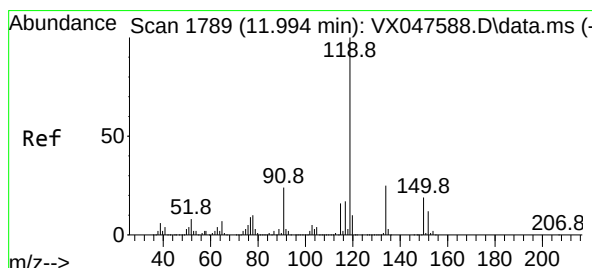
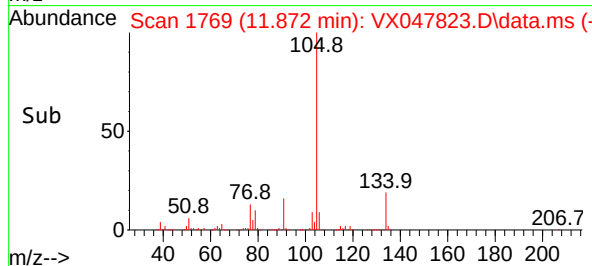
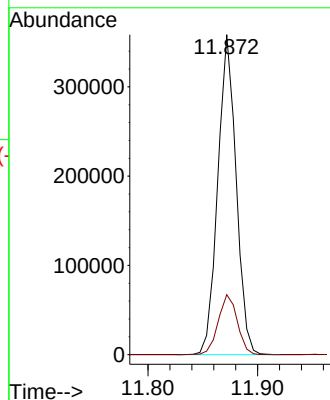
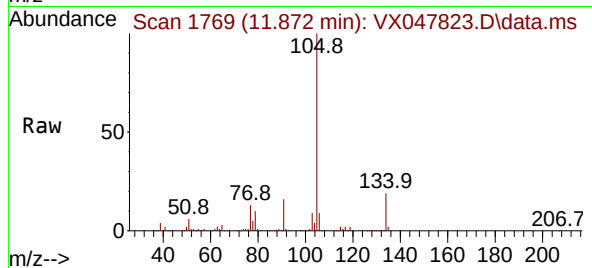
134 19.6 9.8 29.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#86

p-Isopropyltoluene

Concen: 48.843 ug/l

RT: 11.988 min Scan# 1788

Delta R.T. -0.006 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

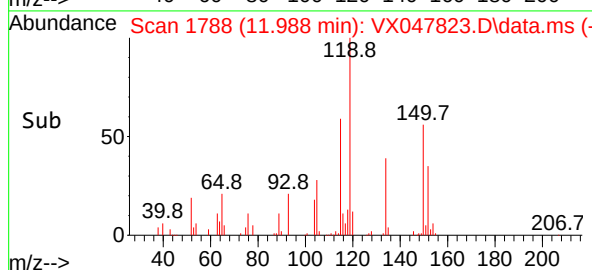
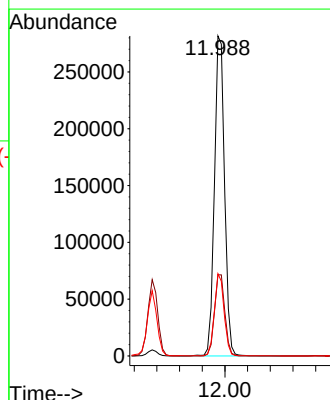
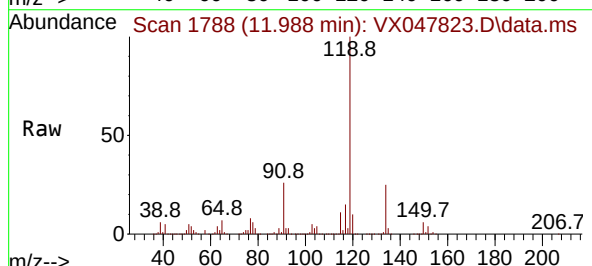
Tgt Ion:119 Resp: 349248

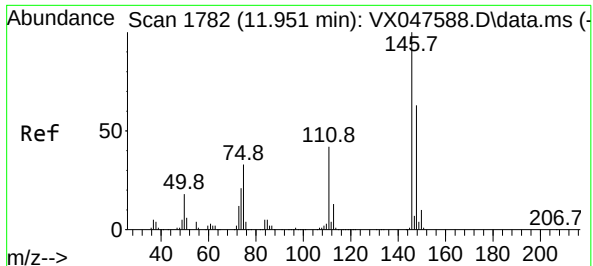
Ion Ratio Lower Upper

119 100

134 26.0 12.6 37.8

91 24.8 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 49.719 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

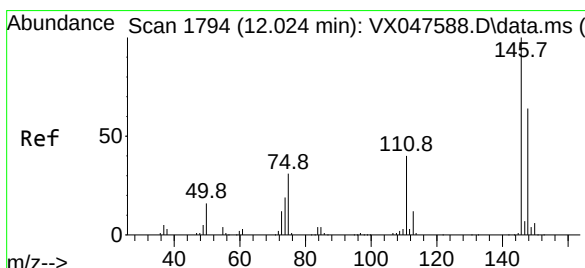
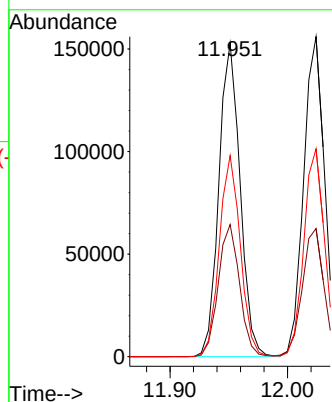
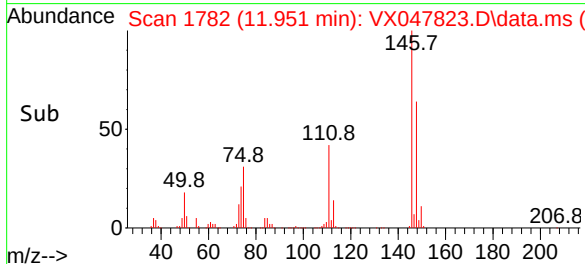
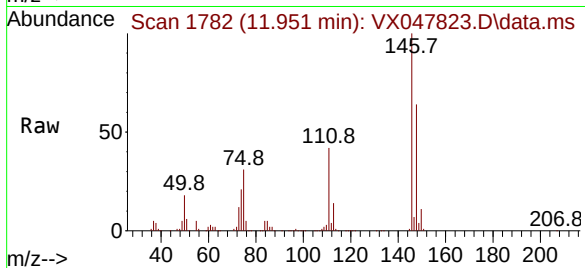
VSTDCCC050EC

Tgt Ion:146	Resp:	192298
Ion Ratio	Lower	Upper
146	100	
111	42.4	21.5 64.5
148	63.6	32.0 96.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#88

1,4-Dichlorobenzene

Concen: 49.222 ug/l

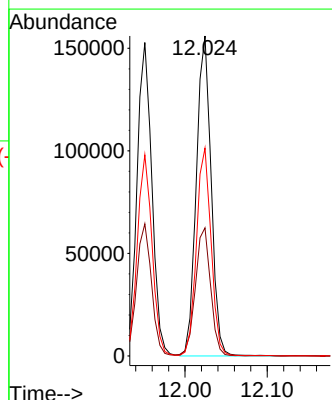
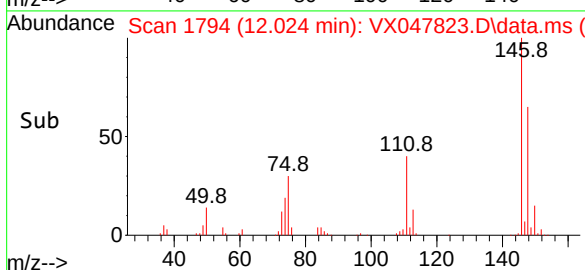
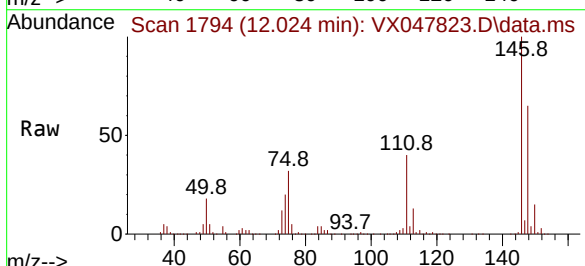
RT: 12.024 min Scan# 1794

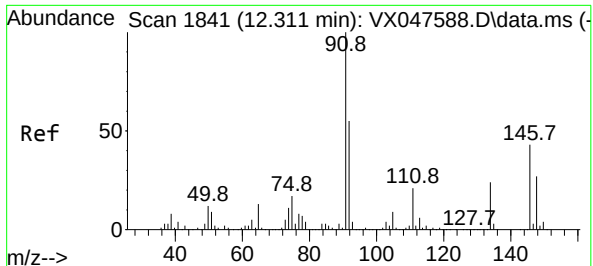
Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Tgt Ion:146	Resp:	195390
Ion Ratio	Lower	Upper
146	100	
111	41.1	20.8 62.4
148	64.3	31.7 95.1





#89

n-Butylbenzene

Concen: 48.051 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 317918

Ion Ratio Lower Upper

91 100

92 54.3 27.6 82.7

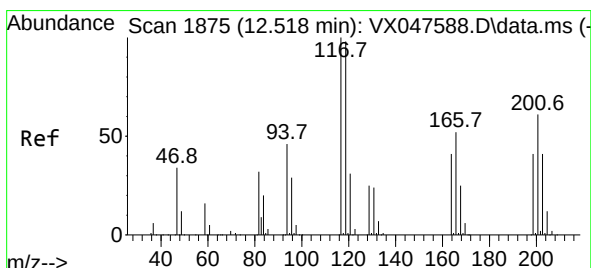
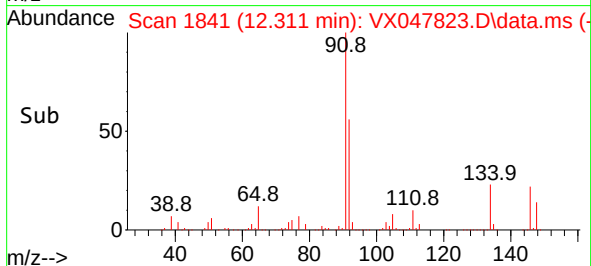
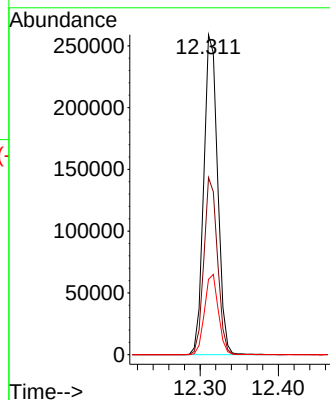
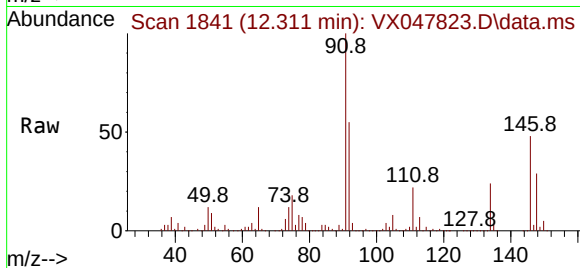
134 24.9 12.6 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#90

Hexachloroethane

Concen: 49.811 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX047823.D

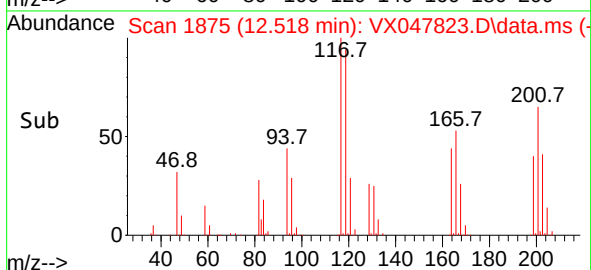
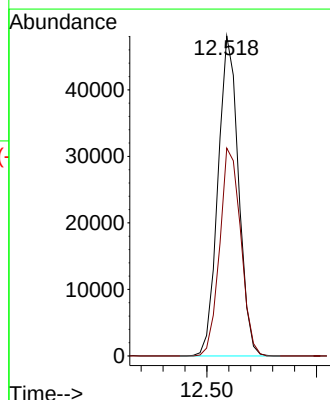
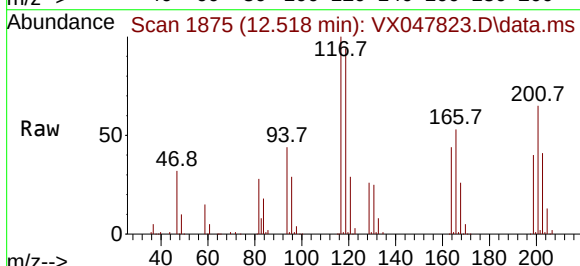
Acq: 25 Sep 2025 19:09

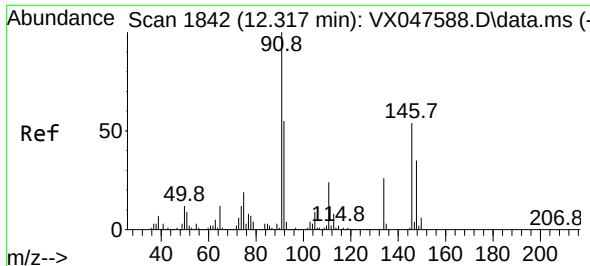
Tgt Ion:117 Resp: 62532

Ion Ratio Lower Upper

117 100

201 66.9 34.2 102.5





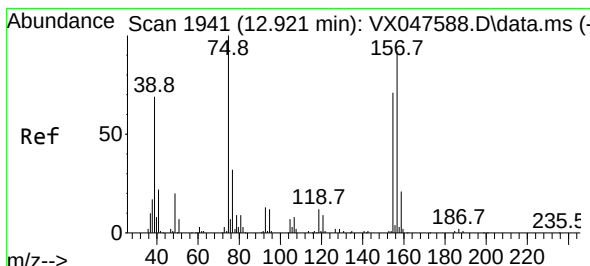
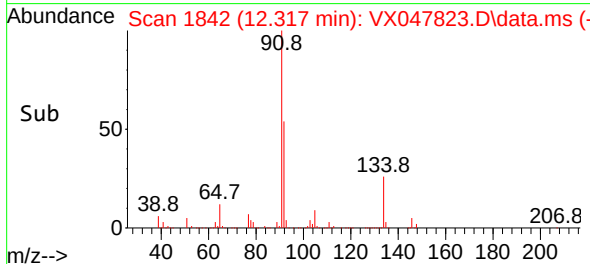
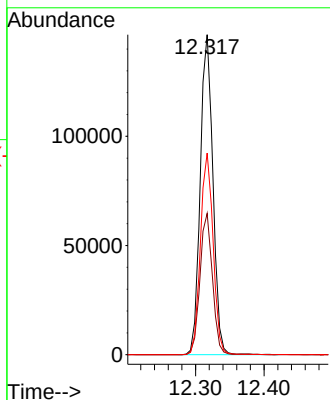
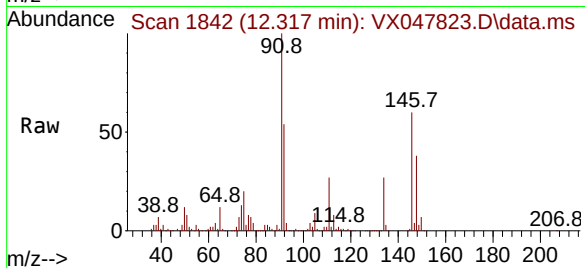
#91
1,2-Dichlorobenzene
Concen: 51.098 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 18828
Ion Ratio Lower Upper
146 100
111 43.7 22.2 66.6
148 63.3 31.8 95.4

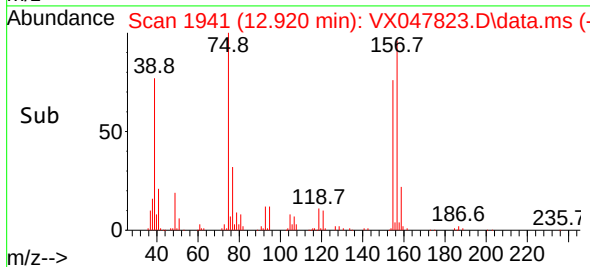
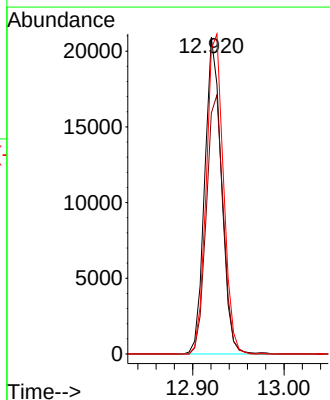
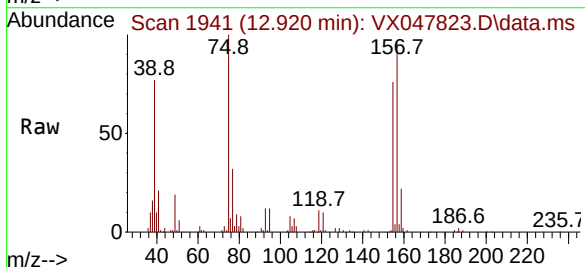
Manual Integrations
APPROVED

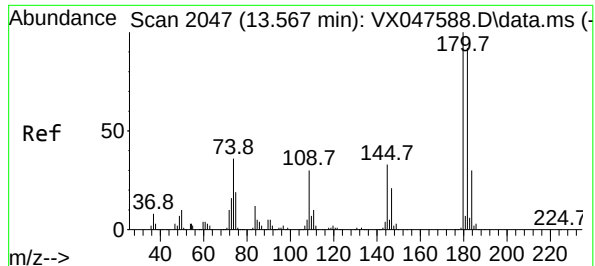
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.962 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 75 Resp: 26392
Ion Ratio Lower Upper
75 100
155 83.3 37.7 113.1
157 103.8 49.8 149.4





#93

1,2,4-Trichlorobenzene

Concen: 48.516 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

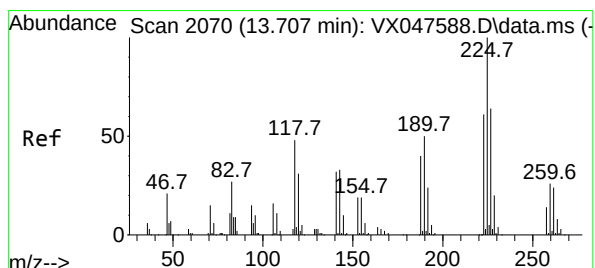
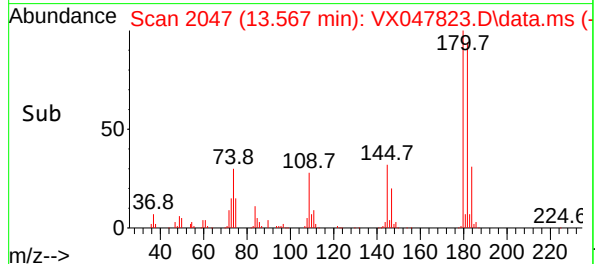
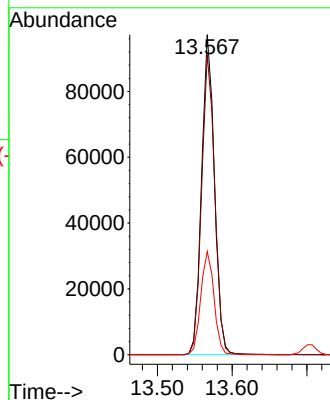
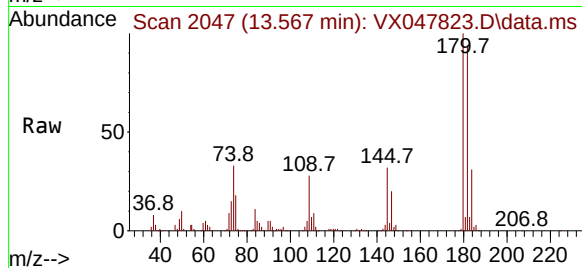
Tgt Ion:	180	Resp:	11618
Ion Ratio	Lower	Upper	
180	100		
182	95.4	46.6	139.8
145	33.1	16.4	49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#94

Hexachlorobutadiene

Concen: 46.880 ug/l

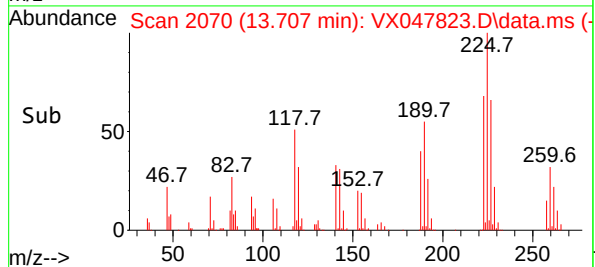
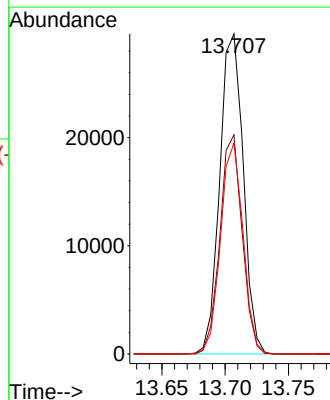
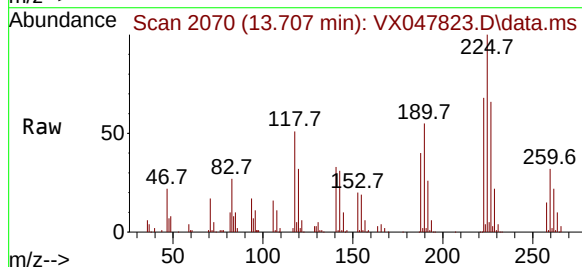
RT: 13.707 min Scan# 2070

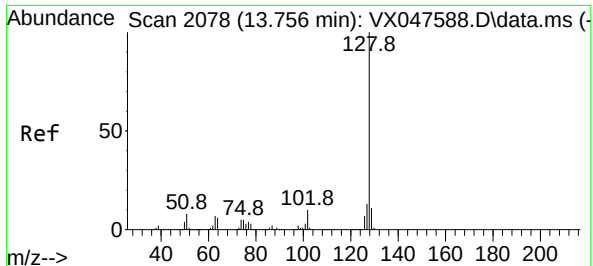
Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Tgt Ion:	225	Resp:	38133
Ion Ratio	Lower	Upper	
225	100		
223	64.8	31.7	95.1
227	63.1	32.0	96.0





#95

Naphthalene

Concen: 52.100 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

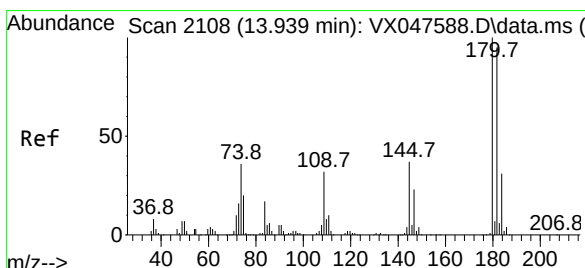
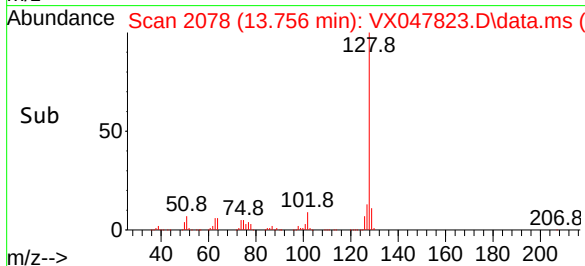
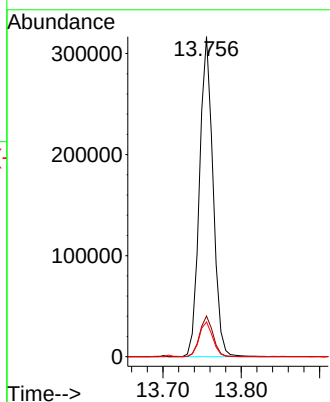
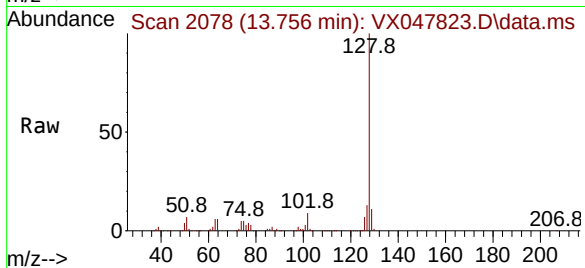
VSTDCCC050EC

Tgt Ion:	128	Resp:	37992
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#96

1,2,3-Trichlorobenzene

Concen: 50.796 ug/l

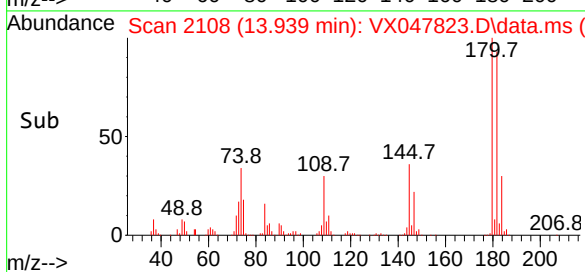
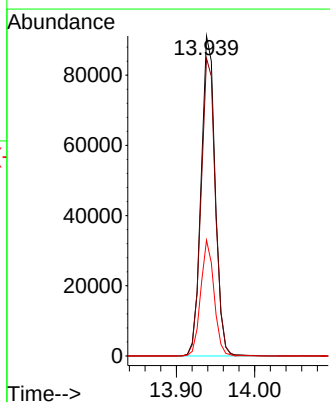
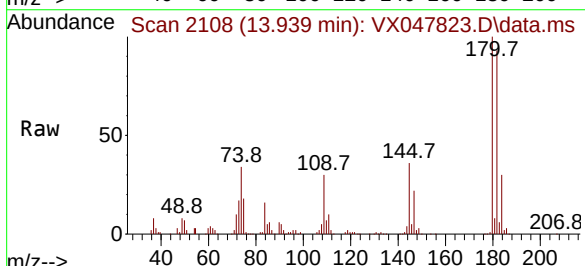
RT: 13.939 min Scan# 2108

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Tgt Ion:	180	Resp:	113155
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.6	142.8
145	34.5	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047823.D
Acq On : 25 Sep 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 26 01:35:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	80	0.00
2 T	Dichlorodifluoromethane	0.518	0.570	-10.0	91	0.00
3 P	Chloromethane	0.680	0.706	-3.8	85	0.00
4 C	Vinyl Chloride	0.666	0.715	-7.4#	86	0.00
5 T	Bromomethane	0.422	0.476	-12.8	89	0.00
6 T	Chloroethane	0.445	0.468	-5.2	84	0.00
7 T	Trichlorofluoromethane	0.989	1.012	-2.3	81	0.00
8 T	Diethyl Ether	0.405	0.426	-5.2	83	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.578	0.582	-0.7	79	0.00
10 T	Methyl Iodide	0.902	0.897	0.6	78	0.00
11 T	Tert butyl alcohol	0.089	0.087	2.2	78	0.00
12 CM	1,1-Dichloroethene	0.594	0.611	-2.9#	81	0.00
13 T	Acrolein	0.082	0.076	7.3	74	0.00
14 T	Allyl chloride	1.226	1.177	4.0	77	0.00
15 T	Acrylonitrile	0.328	0.382	-16.5	88	0.00
16 T	Acetone	0.346	0.295	14.7	74	0.00
17 T	Carbon Disulfide	1.626	1.666	-2.5	85	0.00
18 T	Methyl Acetate	0.770	0.897	-16.5	82	0.00
19 T	Methyl tert-butyl Ether	2.169	2.267	-4.5	80	0.00
20 T	Methylene Chloride	0.732	0.760	-3.8	83	0.00
21 T	trans-1,2-Dichloroethene	0.640	0.669	-4.5	82	0.00
22 T	Diisopropyl ether	2.376	2.502	-5.3	80	0.00
23 T	Vinyl Acetate	1.901	2.052	-7.9	82	0.00
24 P	1,1-Dichloroethane	1.263	1.314	-4.0	81	0.00
25 T	2-Butanone	0.432	0.457	-5.8	83	0.00
26 T	2,2-Dichloropropane	1.050	0.768	26.9#	57	0.00
27 T	cis-1,2-Dichloroethene	0.783	0.823	-5.1	81	0.00
28 T	Bromochloromethane	0.551	0.605	-9.8	84	0.00
29 T	Tetrahydrofuran	0.260	0.297	-14.2	86	0.00
30 C	Chloroform	1.276	1.355	-6.2#	82	0.00
31 T	Cyclohexane	1.052	1.017	3.3	79	0.00
32 T	1,1,1-Trichloroethane	1.082	1.111	-2.7	79	0.00
33 S	1,2-Dichloroethane-d4	0.796	0.769	3.4	80	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	82	0.00
35 S	Dibromofluoromethane	0.335	0.335	0.0	83	0.00
36 T	1,1-Dichloropropene	0.490	0.467	4.7	78	0.00
37 T	Ethyl Acetate	0.525	0.541	-3.0	83	0.00
38 T	Carbon Tetrachloride	0.532	0.519	2.4	78	0.00
39 T	Methylcyclohexane	0.556	0.527	5.2	76	0.00
40 TM	Benzene	1.488	1.537	-3.3	82	0.00
41 T	Methacrylonitrile	0.271	0.295	-8.9	84	0.00
42 TM	1,2-Dichloroethane	0.566	0.566	0.0	79	0.00
43 T	Isopropyl Acetate	0.860	0.906	-5.3	82	0.00
44 TM	Trichloroethene	0.360	0.370	-2.8	81	0.00
45 C	1,2-Dichloropropane	0.381	0.403	-5.8#	83	0.00
46 T	Dibromomethane	0.277	0.293	-5.8	83	0.00
47 T	Bromodichloromethane	0.572	0.597	-4.4	80	0.00
48 T	Methyl methacrylate	0.429	0.458	-6.8	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047823.D
Acq On : 25 Sep 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 26 01:35:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	0.004	0.006	-50.0#	97	0.00
50 S	Toluene-d8	1.160	1.142	1.6	81	0.00
51 T	4-Methyl-2-Pentanone	0.477	0.541	-13.4	86	0.00
52 CM	Toluene	0.917	0.955	-4.1#	83	0.00
53 T	t-1,3-Dichloropropene	0.584	0.574	1.7	76	0.00
54 T	cis-1,3-Dichloropropene	0.624	0.627	-0.5	78	0.00
55 T	1,1,2-Trichloroethane	0.354	0.385	-8.8	85	0.00
56 T	Ethyl methacrylate	0.555	0.606	-9.2	82	0.00
57 T	1,3-Dichloropropane	0.607	0.664	-9.4	85	0.00
58 T	2-Chloroethyl Vinyl ether	0.227	0.292	-28.6#	87	0.00
59 T	2-Hexanone	0.343	0.377	-9.9	85	0.00
60 T	Dibromochloromethane	0.407	0.444	-9.1	83	0.00
61 T	1,2-Dibromoethane	0.360	0.402	-11.7	87	0.00
62 S	4-Bromofluorobenzene	0.440	0.431	2.0	82	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
64 T	Tetrachloroethene	0.326	0.327	-0.3	84	0.00
65 PM	Chlorobenzene	1.136	1.165	-2.6	83	0.00
66 T	1,1,1,2-Tetrachloroethane	0.392	0.408	-4.1	83	0.00
67 C	Ethyl Benzene	1.960	1.999	-2.0#	82	0.00
68 T	m/p-Xylenes	0.729	0.748	-2.6	82	0.00
69 T	o-Xylene	0.706	0.733	-3.8	82	0.00
70 T	Styrene	1.236	1.280	-3.6	83	0.00
71 P	Bromoform	0.293	0.319	-8.9	86	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
73 T	Isopropylbenzene	3.801	3.759	1.1	81	0.00
74 T	N-amyl acetate	1.733	1.798	-3.8	84	0.00
75 P	1,1,2,2-Tetrachloroethane	1.150	1.240	-7.8	88	0.00
76 T	1,2,3-Trichloropropane	1.012	0.945	6.6	73	0.00
77 T	Bromobenzene	0.936	0.947	-1.2	83	0.00
78 T	n-propylbenzene	4.494	4.467	0.6	81	0.00
79 T	2-Chlorotoluene	2.752	2.710	1.5	81	0.00
80 T	1,3,5-Trimethylbenzene	3.123	3.103	0.6	81	0.00
81 T	trans-1,4-Dichloro-2-butene	0.397	0.346	12.8	73	0.00
82 T	4-Chlorotoluene	3.251	3.210	1.3	81	0.00
83 T	tert-Butylbenzene	3.197	3.116	2.5	81	0.00
84 T	1,2,4-Trimethylbenzene	3.166	3.152	0.4	82	0.00
85 T	sec-Butylbenzene	3.797	3.746	1.3	81	0.00
86 T	p-Isopropyltoluene	3.215	3.141	2.3	80	0.00
87 T	1,3-Dichlorobenzene	1.739	1.729	0.6	83	0.00
88 T	1,4-Dichlorobenzene	1.785	1.757	1.6	84	0.00
89 T	n-Butylbenzene	2.975	2.859	3.9	79	0.00
90 T	Hexachloroethane	0.564	0.562	0.4	82	0.00
91 T	1,2-Dichlorobenzene	1.657	1.693	-2.2	84	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.233	0.237	-1.7	81	0.00
93 T	1,2,4-Trichlorobenzene	1.077	1.045	3.0	79	0.00
94 T	Hexachlorobutadiene	0.366	0.343	6.3	78	0.00
95 T	Naphthalene	3.279	3.416	-4.2	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047823.D
Acq On : 25 Sep 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 26 01:35:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	1.018	-1.6	81	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047823.D
Acq On : 25 Sep 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 26 01:35:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	80	0.00
2 T	Dichlorodifluoromethane	50.000	55.072	-10.1	91	0.00
3 P	Chloromethane	50.000	51.856	-3.7	85	0.00
4 C	Vinyl Chloride	50.000	53.680	-7.4#	86	0.00
5 T	Bromomethane	50.000	56.368	-12.7	89	0.00
6 T	Chloroethane	50.000	52.542	-5.1	84	0.00
7 T	Trichlorofluoromethane	50.000	51.144	-2.3	81	0.00
8 T	Diethyl Ether	50.000	52.626	-5.3	83	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.334	-0.7	79	0.00
10 T	Methyl Iodide	50.000	49.736	0.5	78	0.00
11 T	Tert butyl alcohol	250.000	244.991	2.0	78	0.00
12 CM	1,1-Dichloroethene	50.000	51.413	-2.8#	81	0.00
13 T	Acrolein	250.000	232.189	7.1	74	0.00
14 T	Allyl chloride	50.000	47.995	4.0	77	0.00
15 T	Acrylonitrile	250.000	290.682	-16.3	88	0.00
16 T	Acetone	250.000	213.041	14.8	74	0.00
17 T	Carbon Disulfide	50.000	51.229	-2.5	85	0.00
18 T	Methyl Acetate	50.000	58.207	-16.4	82	0.00
19 T	Methyl tert-butyl Ether	50.000	52.268	-4.5	80	0.00
20 T	Methylene Chloride	50.000	51.882	-3.8	83	0.00
21 T	trans-1,2-Dichloroethene	50.000	52.273	-4.5	82	0.00
22 T	Diisopropyl ether	50.000	52.663	-5.3	80	0.00
23 T	Vinyl Acetate	250.000	269.815	-7.9	82	0.00
24 P	1,1-Dichloroethane	50.000	52.037	-4.1	81	0.00
25 T	2-Butanone	250.000	264.723	-5.9	83	0.00
26 T	2,2-Dichloropropane	50.000	36.580	26.8#	57	0.00
27 T	cis-1,2-Dichloroethene	50.000	52.554	-5.1	81	0.00
28 T	Bromochloromethane	50.000	54.859	-9.7	84	0.00
29 T	Tetrahydrofuran	250.000	286.033	-14.4	86	0.00
30 C	Chloroform	50.000	53.091	-6.2#	82	0.00
31 T	Cyclohexane	50.000	48.357	3.3	79	0.00
32 T	1,1,1-Trichloroethane	50.000	51.302	-2.6	79	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.331	3.3	80	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	82	0.00
35 S	Dibromofluoromethane	50.000	50.006	-0.0	83	0.00
36 T	1,1-Dichloropropene	50.000	47.622	4.8	78	0.00
37 T	Ethyl Acetate	50.000	51.520	-3.0	83	0.00
38 T	Carbon Tetrachloride	50.000	48.736	2.5	78	0.00
39 T	Methylcyclohexane	50.000	47.385	5.2	76	0.00
40 TM	Benzene	50.000	51.647	-3.3	82	0.00
41 T	Methacrylonitrile	50.000	54.368	-8.7	84	0.00
42 TM	1,2-Dichloroethane	50.000	50.000	0.0	79	0.00
43 T	Isopropyl Acetate	50.000	52.636	-5.3	82	0.00
44 TM	Trichloroethene	50.000	51.375	-2.8	81	0.00
45 C	1,2-Dichloropropane	50.000	52.856	-5.7#	83	0.00
46 T	Dibromomethane	50.000	52.781	-5.6	83	0.00
47 T	Bromodichloromethane	50.000	52.127	-4.3	80	0.00
48 T	Methyl methacrylate	50.000	53.443	-6.9	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047823.D
Acq On : 25 Sep 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 26 01:35:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1317.923	-31.8#	97	0.00
50 S	Toluene-d8	50.000	49.227	1.5	81	0.00
51 T	4-Methyl-2-Pentanone	250.000	283.290	-13.3	86	0.00
52 CM	Toluene	50.000	52.084	-4.2#	83	0.00
53 T	t-1,3-Dichloropropene	50.000	49.172	1.7	76	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.226	-0.5	78	0.00
55 T	1,1,2-Trichloroethane	50.000	54.391	-8.8	85	0.00
56 T	Ethyl methacrylate	50.000	54.571	-9.1	82	0.00
57 T	1,3-Dichloropropane	50.000	54.630	-9.3	85	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	273.260	-9.3	87	0.00
59 T	2-Hexanone	250.000	275.126	-10.1	85	0.00
60 T	Dibromochloromethane	50.000	54.529	-9.1	83	0.00
61 T	1,2-Dibromoethane	50.000	55.828	-11.7	87	0.00
62 S	4-Bromofluorobenzene	50.000	48.923	2.2	82	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	84	0.00
64 T	Tetrachloroethene	50.000	50.109	-0.2	84	0.00
65 PM	Chlorobenzene	50.000	51.289	-2.6	83	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.017	-4.0	83	0.00
67 C	Ethyl Benzene	50.000	50.998	-2.0#	82	0.00
68 T	m/p-Xylenes	100.000	102.531	-2.5	82	0.00
69 T	o-Xylene	50.000	51.944	-3.9	82	0.00
70 T	Styrene	50.000	51.778	-3.6	83	0.00
71 P	Bromoform	50.000	54.510	-9.0	86	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	87	0.00
73 T	Isopropylbenzene	50.000	49.442	1.1	81	0.00
74 T	N-ethyl acetate	50.000	51.849	-3.7	84	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	53.895	-7.8	88	0.00
76 T	1,2,3-Trichloropropane	50.000	46.695	6.6	73	0.00
77 T	Bromobenzene	50.000	50.576	-1.2	83	0.00
78 T	n-propylbenzene	50.000	49.701	0.6	81	0.00
79 T	2-Chlorotoluene	50.000	49.240	1.5	81	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.685	0.6	81	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	43.621	12.8	73	0.00
82 T	4-Chlorotoluene	50.000	49.368	1.3	81	0.00
83 T	tert-Butylbenzene	50.000	48.736	2.5	81	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.770	0.5	82	0.00
85 T	sec-Butylbenzene	50.000	49.318	1.4	81	0.00
86 T	p-Isopropyltoluene	50.000	48.843	2.3	80	0.00
87 T	1,3-Dichlorobenzene	50.000	49.719	0.6	83	0.00
88 T	1,4-Dichlorobenzene	50.000	49.222	1.6	84	0.00
89 T	n-Butylbenzene	50.000	48.051	3.9	79	0.00
90 T	Hexachloroethane	50.000	49.811	0.4	82	0.00
91 T	1,2-Dichlorobenzene	50.000	51.098	-2.2	84	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.962	-1.9	81	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.516	3.0	79	0.00
94 T	Hexachlorobutadiene	50.000	46.880	6.2	78	0.00
95 T	Naphthalene	50.000	52.100	-4.2	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047823.D
Acq On : 25 Sep 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 26 01:35:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.796	-1.6	81	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



QC SAMPLE DATA

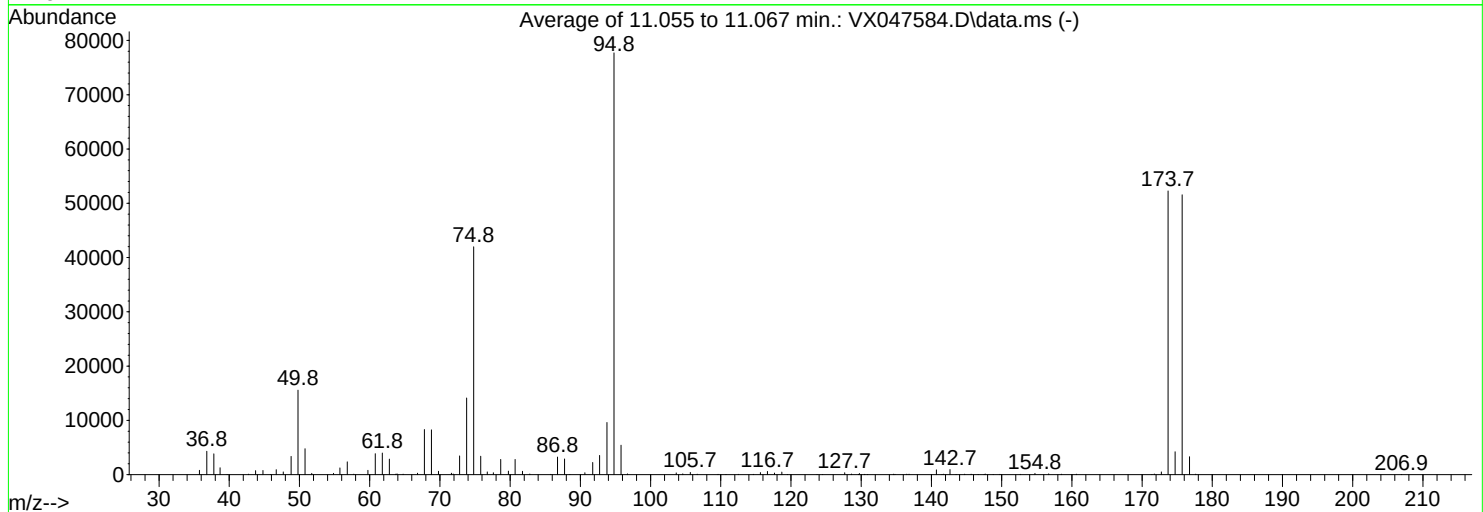
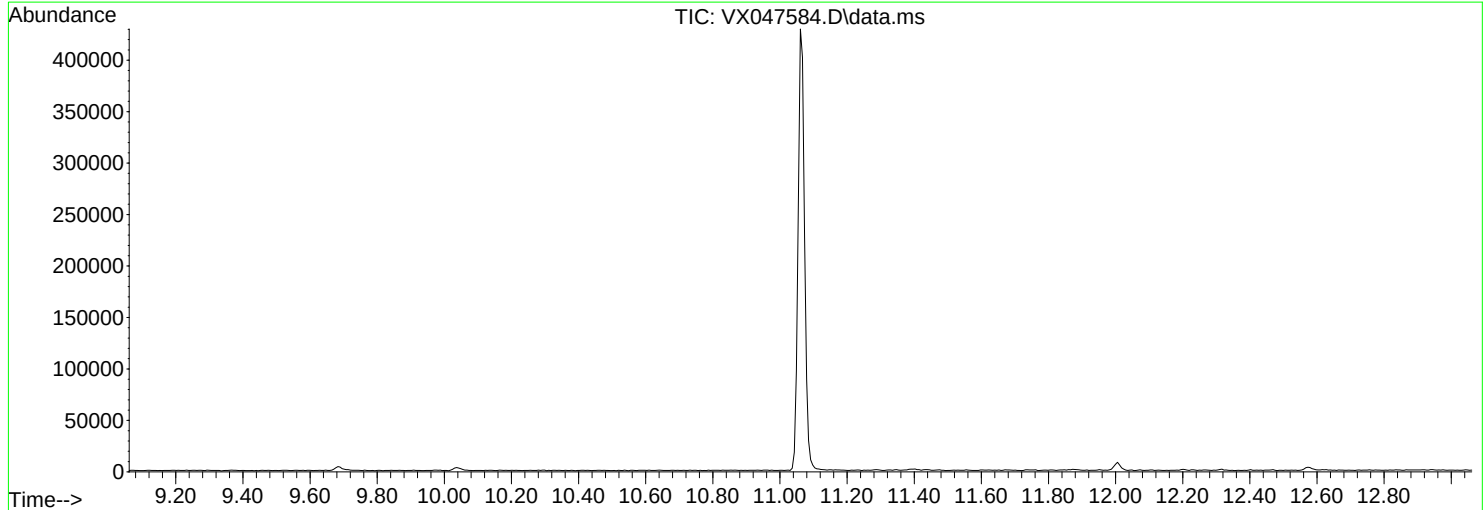
- 1
- 2
- 3
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- 16
- 17

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047584.D
Acq On : 16 Sep 2025 08:56
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\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

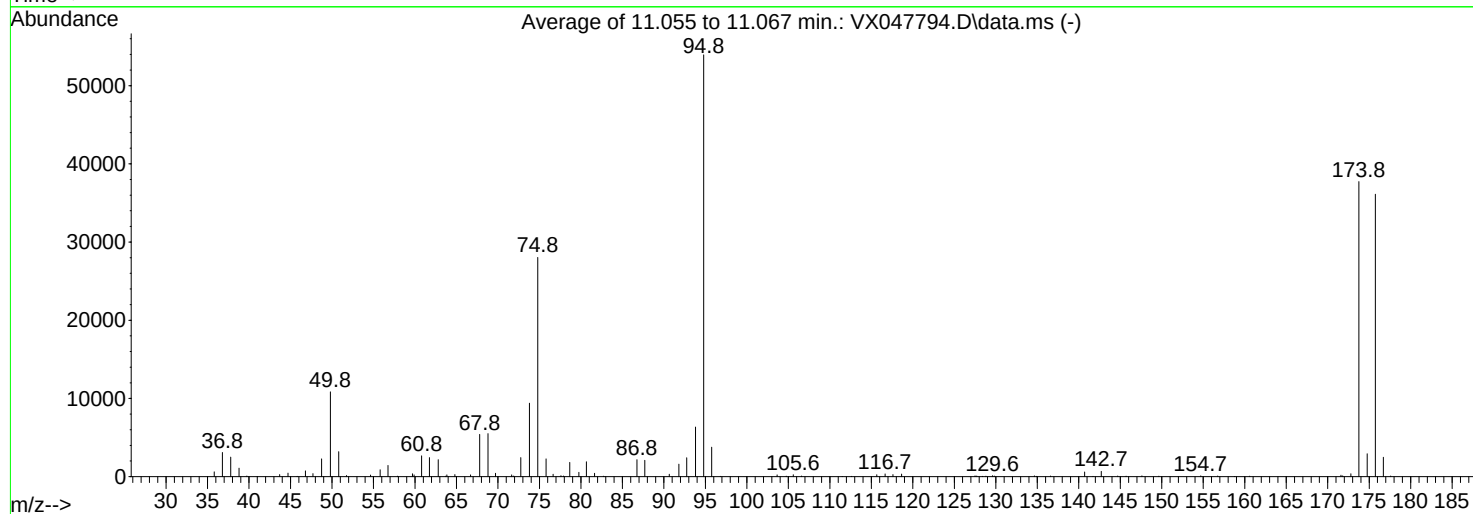
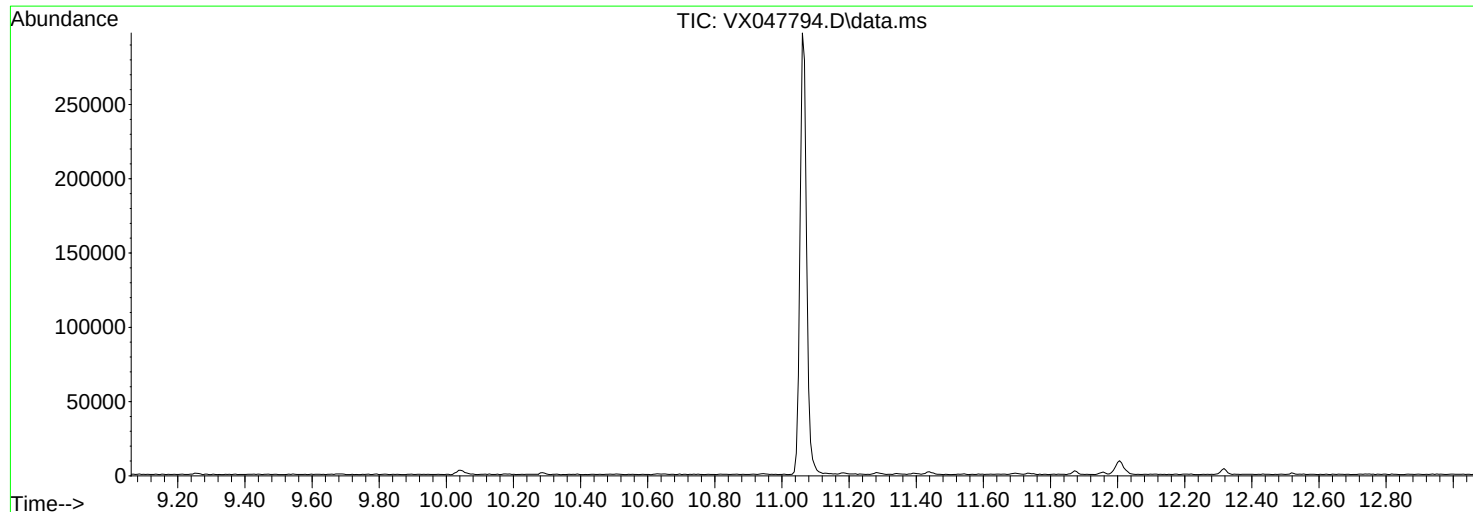
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	20.0	15566	PASS
75	95	30	60	54.0	41979	PASS
95	95	100	100	100.0	77717	PASS
96	95	5	9	7.0	5432	PASS
173	174	0.00	2	1.0	507	PASS
174	95	50	100	67.3	52275	PASS
175	174	5	9	8.1	4209	PASS
176	174	95	101	98.6	51560	PASS
177	176	5	9	6.4	3311	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047794.D
Acq On : 25 Sep 2025 08:24
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\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	20.1	10851	PASS
75	95	30	60	52.0	28035	PASS
95	95	100	100	100.0	53944	PASS
96	95	5	9	7.0	3775	PASS
173	174	0.00	2	1.0	365	PASS
174	95	50	100	69.9	37728	PASS
175	174	5	9	7.8	2936	PASS
176	174	95	101	95.7	36117	PASS
177	176	5	9	6.9	2482	PASS

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0925WBL01		SDG No.:	Q3165
Lab Sample ID:	VX0925WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047797.D	1	09/25/25 09:46	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	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	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	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	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	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	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0925WBL01		SDG No.:	Q3165
Lab Sample ID:	VX0925WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047797.D	1	09/25/25 09:46	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	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	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.1		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	48.3		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	117000	5.538				
540-36-3	1,4-Difluorobenzene	246000	6.745				
3114-55-4	Chlorobenzene-d5	252000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	126000	12.006				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0925WBL01		SDG No.:	Q3165
Lab Sample ID:	VX0925WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047797.D	1	09/25/25 09:46	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\VX092525\
Data File : VX047797.D
Acq On : 25 Sep 2025 09:46
Operator : JC/MD
Sample : VX0925WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBL01

Quant Time: Sep 26 01:22:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	117291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	245721	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	251657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	126490	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	95323	51.057	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.120%
35) Dibromofluoromethane	5.373	113	79793	48.420	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.840%
50) Toluene-d8	8.635	98	275174	48.258	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.520%
62) 4-Bromofluorobenzene	11.061	95	115320	53.288	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.580%

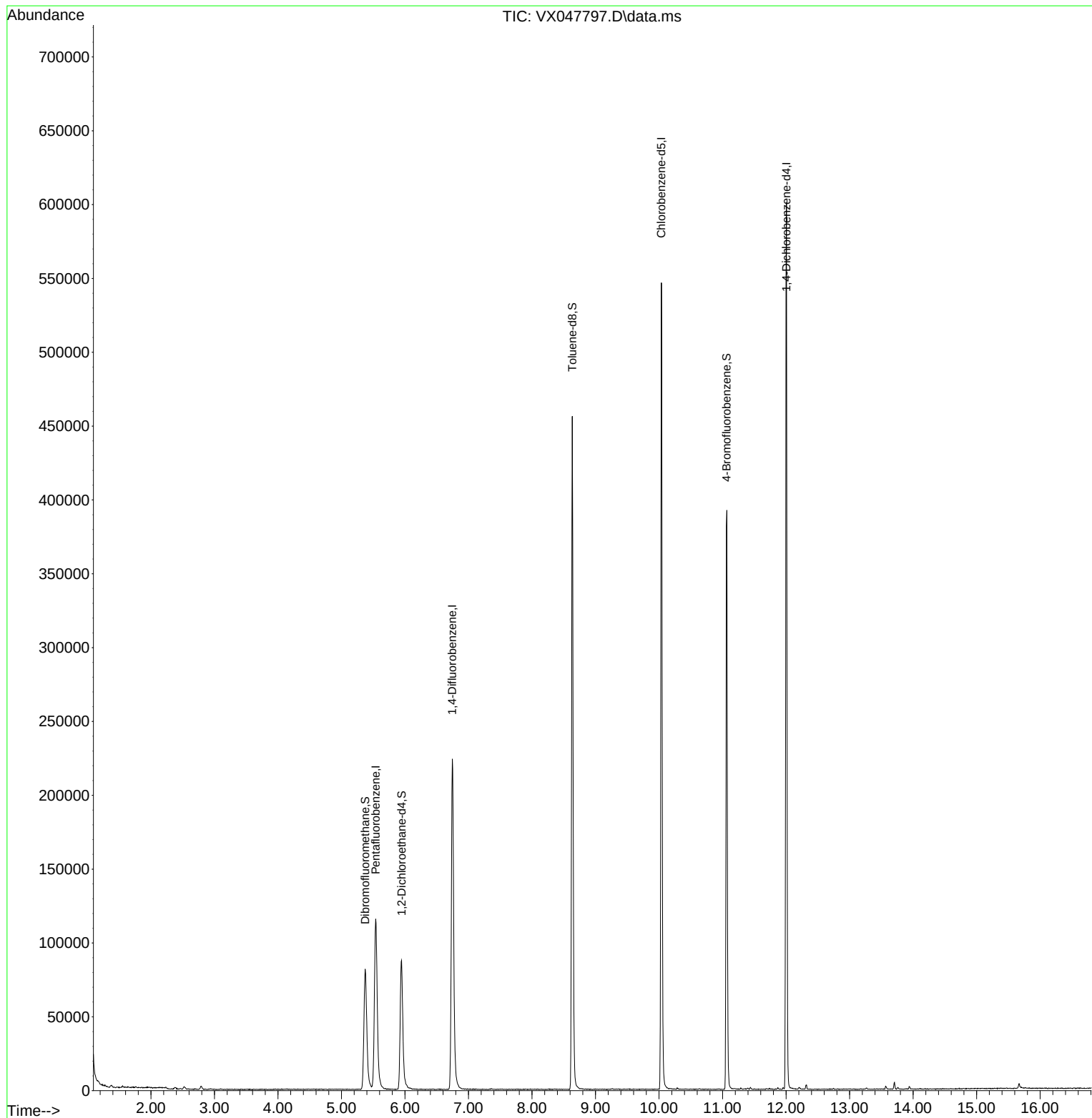
Target Compounds	Qvalue
------------------	--------

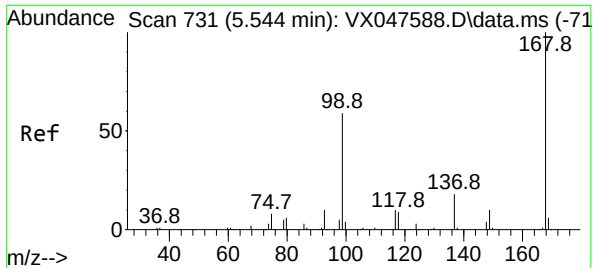
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047797.D
Acq On : 25 Sep 2025 09:46
Operator : JC/MD
Sample : VX0925WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBL01

Quant Time: Sep 26 01:22:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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: VX047797.D

Acq: 25 Sep 2025 09:46

Instrument :

MSVOA_X

ClientSampleId :

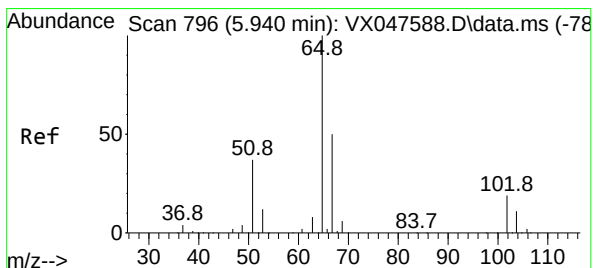
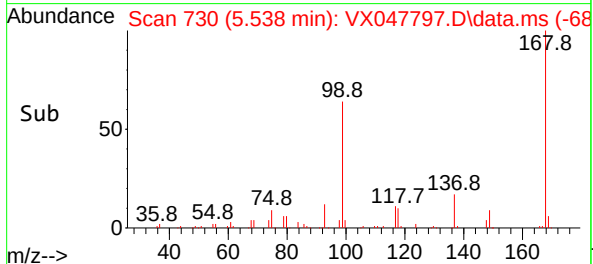
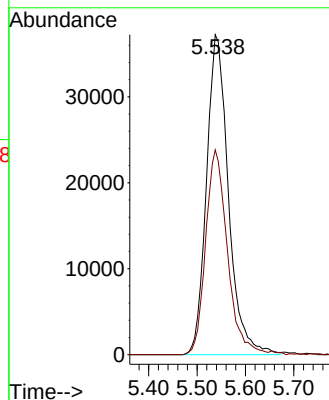
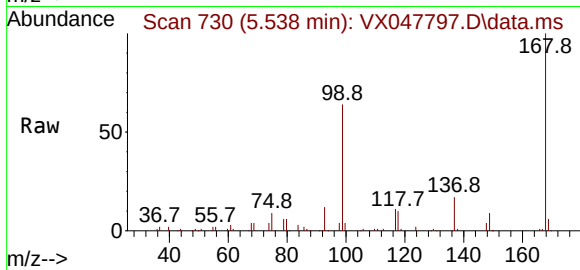
VX0925WBL01

Tgt Ion:168 Resp: 117291

Ion Ratio Lower Upper

168 100

99 64.0 48.8 73.2



#33

1,2-Dichloroethane-d4

Concen: 51.057 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX047797.D

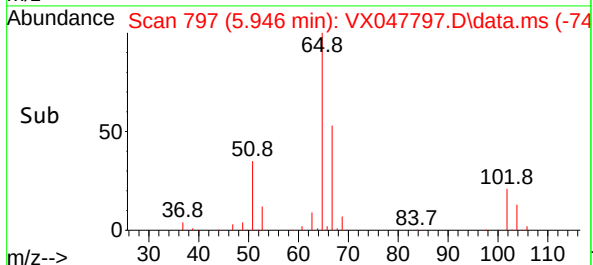
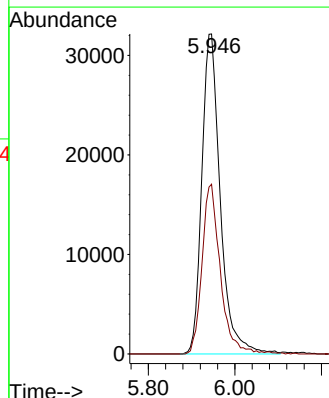
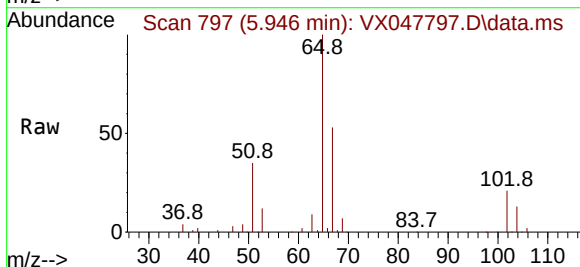
Acq: 25 Sep 2025 09:46

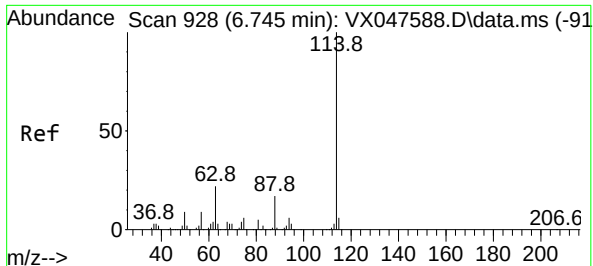
Tgt Ion: 65 Resp: 95323

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX047797.D

Acq: 25 Sep 2025 09:46

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBL01

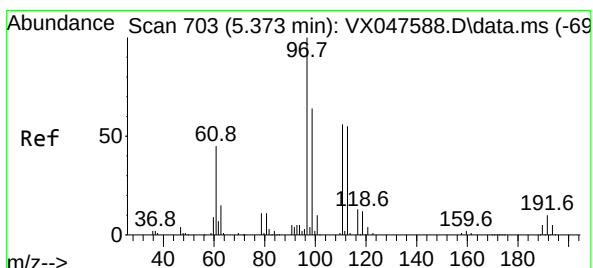
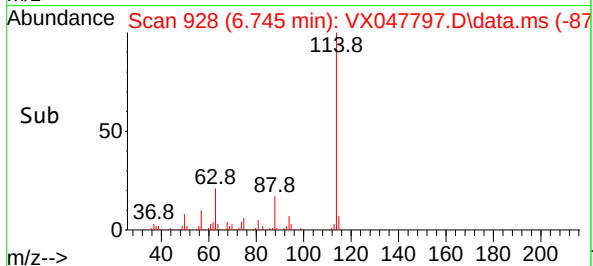
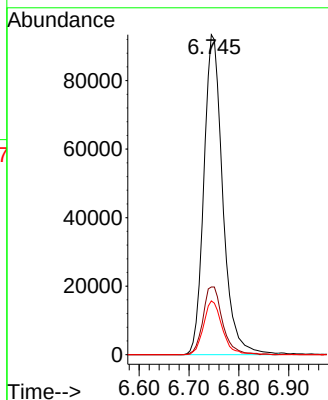
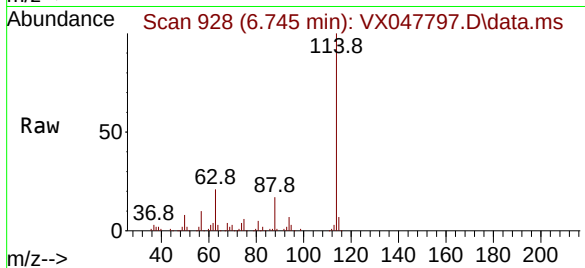
Tgt Ion:114 Resp: 245721

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.0

88 16.8 0.0 34.2



#35

Dibromofluoromethane

Concen: 48.420 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047797.D

Acq: 25 Sep 2025 09:46

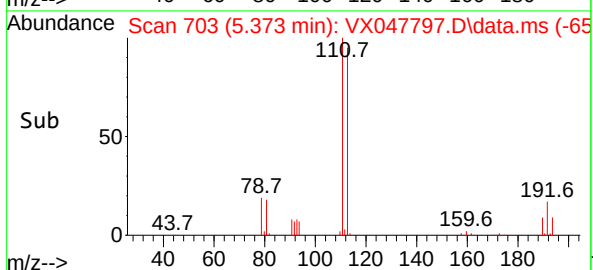
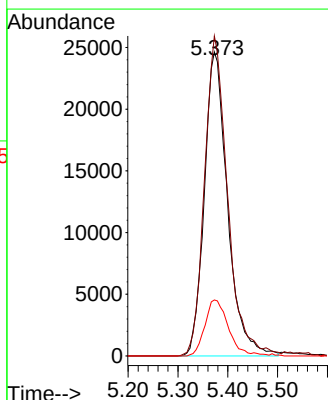
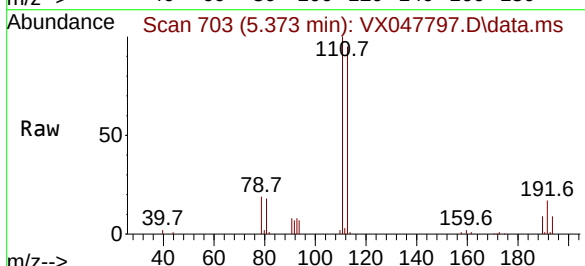
Tgt Ion:113 Resp: 79793

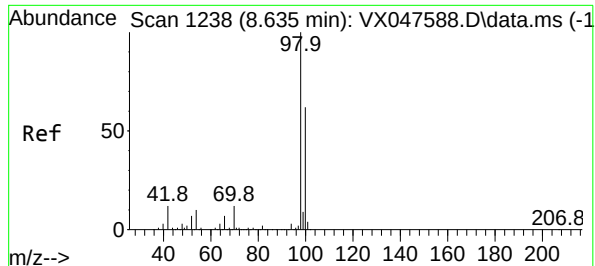
Ion Ratio Lower Upper

113 100

111 104.5 80.9 121.3

192 18.7 14.2 21.4





#50

Toluene-d8

Concen: 48.258 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047797.D

Acq: 25 Sep 2025 09:46

Instrument :

MSVOA_X

ClientSampleId :

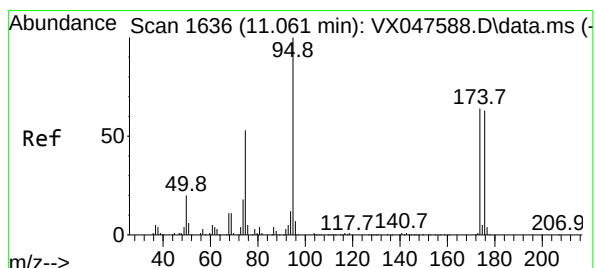
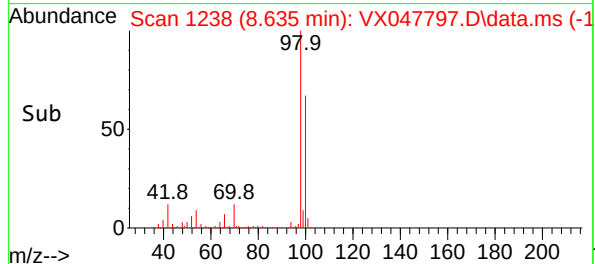
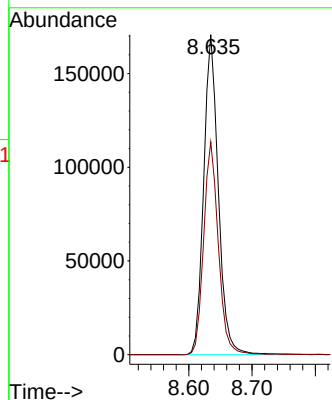
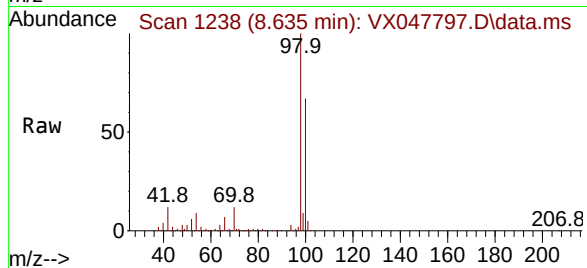
VX0925WBL01

Tgt Ion: 98 Resp: 275174

Ion Ratio Lower Upper

98 100

100 66.6 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 53.288 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX047797.D

Acq: 25 Sep 2025 09:46

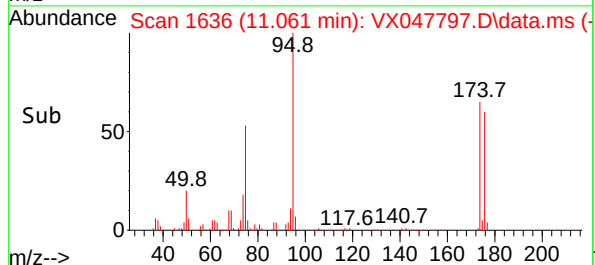
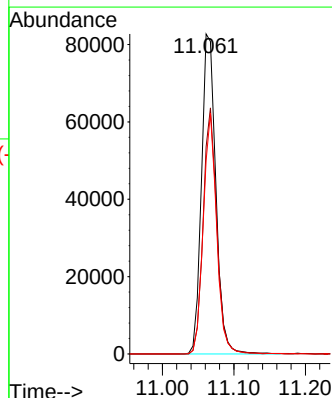
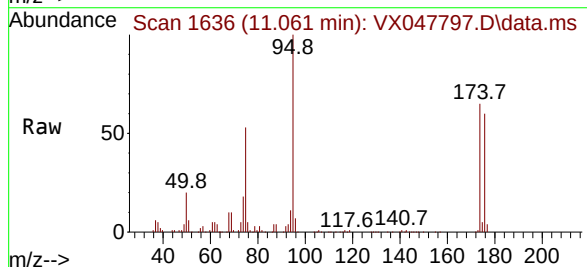
Tgt Ion: 95 Resp: 115320

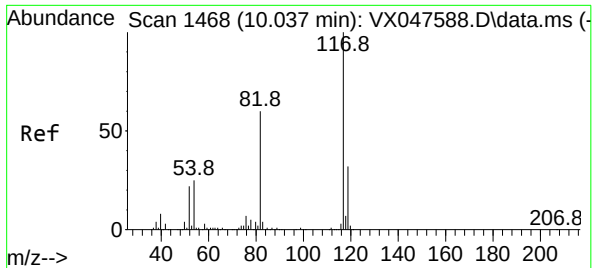
Ion Ratio Lower Upper

95 100

174 73.4 0.0 141.6

176 70.2 0.0 138.4

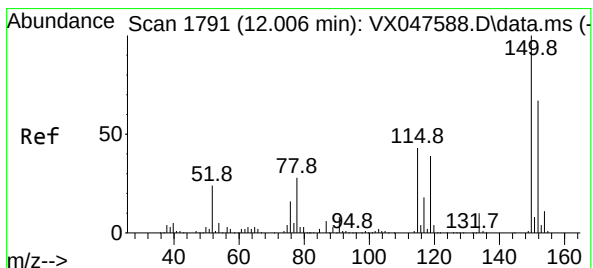
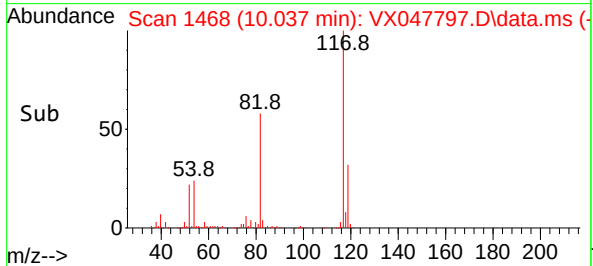
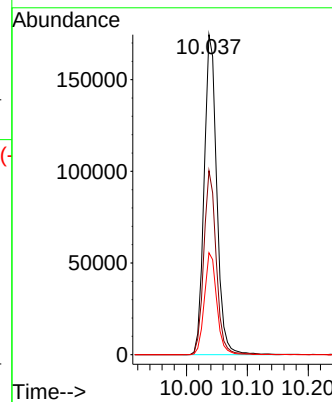
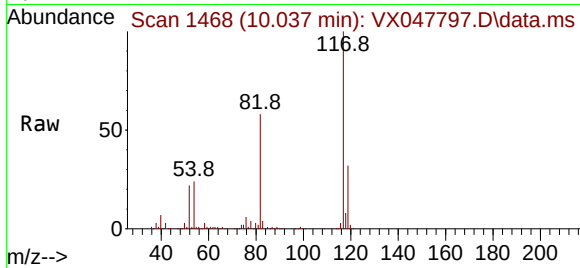




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047797.D
Acq: 25 Sep 2025 09:46

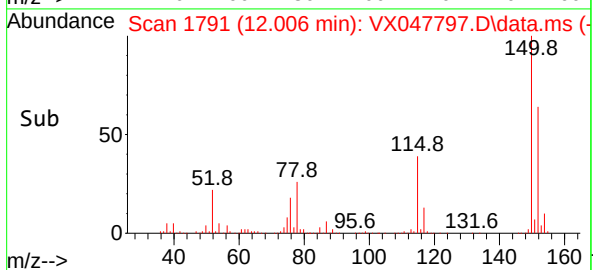
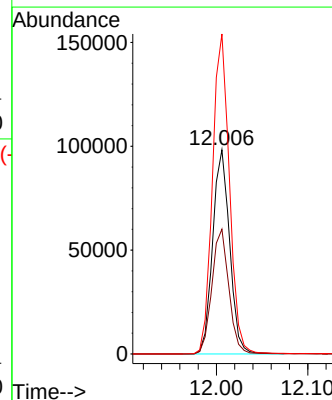
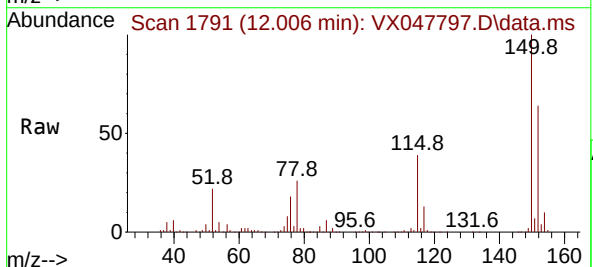
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.8	71.6
119	31.9	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047797.D
Acq: 25 Sep 2025 09:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	44.9	134.5
150	156.7	0.0	352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047797.D
Acq On : 25 Sep 2025 09:46
Operator : JC/MD
Sample : VX0925WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBL01

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\82X091625W.M

Title : SW846 8260

Signal : TIC: VX047797.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.373	691	703	719	rBV2	81564	263173	33.47%	6.064%
2	5.538	721	730	752	rVB	115008	362966	46.16%	8.364%
3	5.946	787	797	816	rBV	87203	258229	32.84%	5.951%
4	6.745	917	928	954	rBV	223788	591600	75.24%	13.633%
5	8.635	1231	1238	1257	rBV	455844	747979	95.13%	17.236%
6	10.037	1462	1468	1482	rBV	546233	781472	99.39%	18.008%
7	11.067	1631	1637	1651	rBV	392151	547881	69.68%	12.625%
8	12.006	1785	1791	1802	rBV	600107	786281	100.00%	18.119%

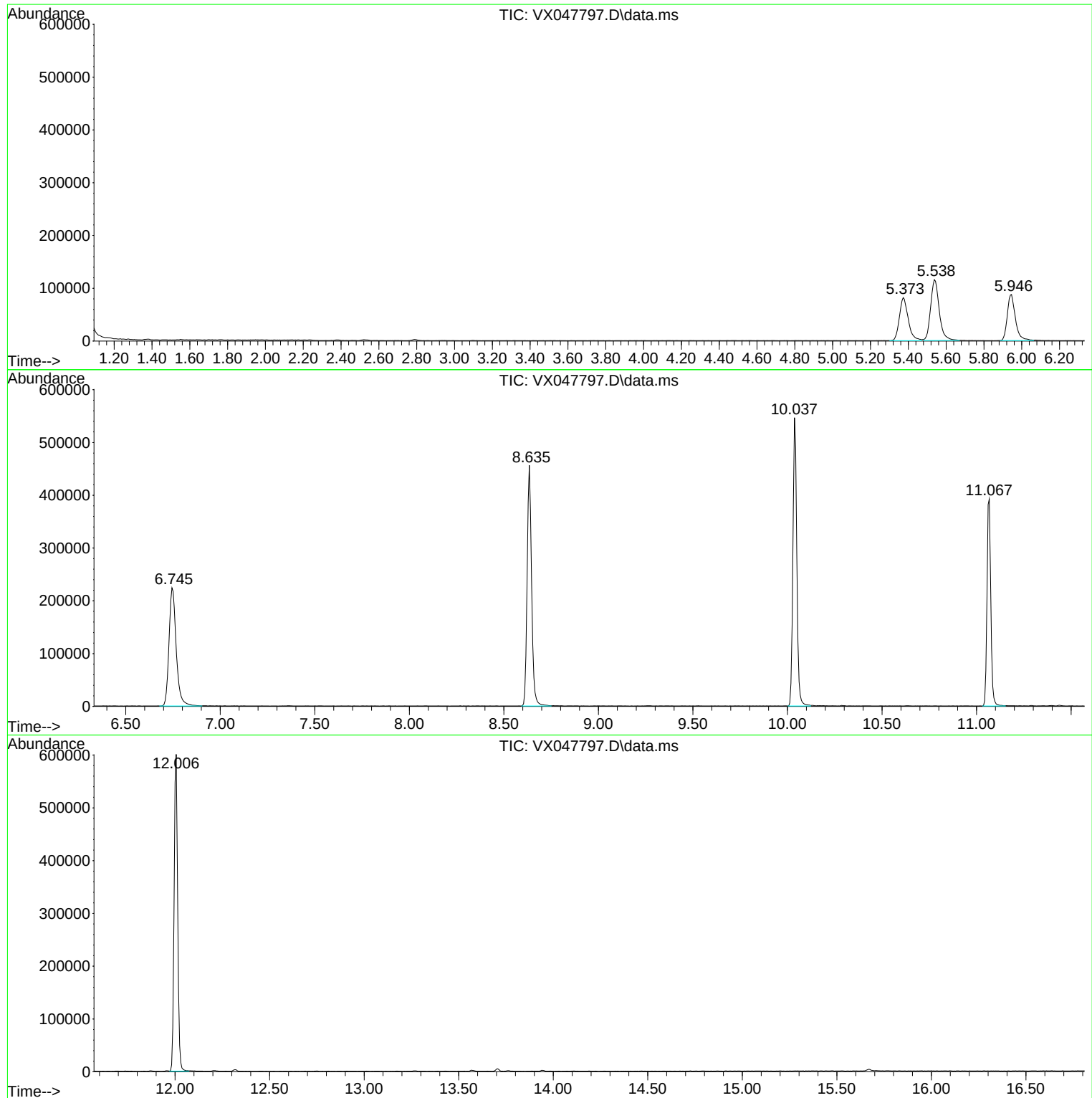
Sum of corrected areas: 4339581

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047797.D
Acq On : 25 Sep 2025 09:46
Operator : JC/MD
Sample : VX0925WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047797.D
Acq On : 25 Sep 2025 09:46
Operator : JC/MD
Sample : VX0925WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX092525\
Data File : VX047797.D
Acq On : 25 Sep 2025 09:46
Operator : JC/MD
Sample : VX0925WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0925WBS01		SDG No.:	Q3165
Lab Sample ID:	VX0925WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047798.D	1	09/25/25 10:13	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	22.1		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	20.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	20.6		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	20.8		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.8		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.3		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.3		0.23	0.75	1.00	ug/L
67-64-1	Acetone	96.4		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	19.6		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	22.6		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	20.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.2		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.4		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	19.2		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.3		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	20.0		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.7		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.8		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.8		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.9		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.1		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.5		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.0		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VX0925WBS01		SDG No.:	Q3165
Lab Sample ID:	VX0925WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047798.D	1	09/25/25 10:13	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.3		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	20.5		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.8		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.1		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.6		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	18.5		0.12	0.50	1.00	ug/L
100-42-5	Styrene	18.9		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	19.6		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	16.8		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.9		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.5		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.8		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.8		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.2		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.9		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.3		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.2		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	147000	5.538				
540-36-3	1,4-Difluorobenzene	269000	6.745				
3114-55-4	Chlorobenzene-d5	253000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	132000	12.006				

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0925WBS01	SDG No.:	Q3165
Lab Sample ID:	VX0925WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047798.D	1	09/25/25 10:13	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\VX092525\
 Data File : VX047798.D
 Acq On : 25 Sep 2025 10:13
 Operator : JC/MD
 Sample : VX0925WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBS01

Quant Time: Sep 26 01:22:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/26/2025
 Supervised By :Mahesh Dadoda 09/29/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	146604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	268605	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	252515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131521	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.940	65	124450	53.330	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.660%	
35) Dibromofluoromethane	5.367	113	93735	52.034	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.060%	
50) Toluene-d8	8.635	98	312702	50.167	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.340%	
62) 4-Bromofluorobenzene	11.061	95	125617	53.101	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.200%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	33486	22.058	ug/l	99
3) Chloromethane	1.301	50	41125	20.612	ug/l	98
4) Vinyl Chloride	1.380	62	40168	20.566	ug/l	99
5) Bromomethane	1.618	94	25791	20.825	ug/l	100
6) Chloroethane	1.697	64	26423	20.242	ug/l	95
7) Trichlorofluoromethane	1.892	101	57341	19.773	ug/l	98
8) Diethyl Ether	2.136	74	23961	20.199	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	34453	20.318	ug/l	97
10) Methyl Iodide	2.453	142	47378	17.915	ug/l	100
11) Tert butyl alcohol	2.940	59	25606	98.524	ug/l	100
12) 1,1-Dichloroethene	2.325	96	33638	19.312	ug/l	99
13) Acrolein	2.233	56	24626	102.823	ug/l	97
14) Allyl chloride	2.666	41	68523	19.064	ug/l	96
15) Acrylonitrile	3.056	53	108189	112.384	ug/l	99
16) Acetone	2.373	43	97856	96.444	ug/l	99
17) Carbon Disulfide	2.514	76	93220	19.550	ug/l	99
18) Methyl Acetate	2.703	43	51140	22.648	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	127175	20.001	ug/l	99
20) Methylene Chloride	2.788	84	44268	20.612	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	37858	20.188	ug/l	96
22) Diisopropyl ether	3.751	45	141341	20.291	ug/l	92
23) Vinyl Acetate	3.715	43	568677	102.004	ug/l	99
24) 1,1-Dichloroethane	3.599	63	75627	20.427	ug/l	98
25) 2-Butanone	4.538	43	136517	107.864	ug/l	99
26) 2,2-Dichloropropane	4.458	77	56506	18.360	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	46548	20.268	ug/l	98
28) Bromochloromethane	4.879	49	32353	20.016	ug/l	100
29) Tetrahydrofuran	4.989	42	83019	109.038	ug/l	97
30) Chloroform	5.074	83	77269	20.653	ug/l	96
31) Cyclohexane	5.458	56	59230	19.208	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	62827	19.798	ug/l	98
36) 1,1-Dichloropropene	5.684	75	49190	18.687	ug/l	99
37) Ethyl Acetate	4.696	43	58104	20.616	ug/l	99
38) Carbon Tetrachloride	5.660	117	52056	18.201	ug/l	97
39) Methylcyclohexane	7.367	83	53240	17.818	ug/l	98
40) Benzene	6.025	78	158698	19.850	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047798.D
 Acq On : 25 Sep 2025 10:13
 Operator : JC/MD
 Sample : VX0925WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 09/26/2025
 Supervised By : Mahesh Dadoda 09/29/2025

Quant Time: Sep 26 01:22:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	29283	20.125	ug/l	97
42) 1,2-Dichloroethane	6.068	62	59188	19.457	ug/l	98
43) Isopropyl Acetate	6.318	43	92154	19.936	ug/l	99
44) Trichloroethene	7.110	130	38005	19.662	ug/l	91
45) 1,2-Dichloropropane	7.415	63	41172	20.111	ug/l	96
46) Dibromomethane	7.568	93	29874	20.053	ug/l	96
47) Bromodichloromethane	7.805	83	59888	19.481	ug/l	98
48) Methyl methacrylate	7.677	41	44455	19.308	ug/l	99
49) 1,4-Dioxane	7.653	88	11066	475.570	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	283110	110.466	ug/l	99
52) Toluene	8.702	92	98340	19.965	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	59236	18.891	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	64785	19.330	ug/l	96
55) 1,1,2-Trichloroethane	9.134	97	39867	20.990	ug/l	98
56) Ethyl methacrylate	9.104	69	59966	20.104	ug/l	97
57) 1,3-Dichloropropane	9.293	76	67634	20.730	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	144584	108.334	ug/l	99
59) 2-Hexanone	9.415	43	197021	107.038	ug/l	99
60) Dibromochloromethane	9.506	129	44875	20.506	ug/l	99
61) 1,2-Dibromoethane	9.592	107	40314	20.839	ug/l	99
64) Tetrachloroethene	9.256	164	30782	18.700	ug/l	97
65) Chlorobenzene	10.061	112	108771	18.961	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	37519	18.953	ug/l	99
67) Ethyl Benzene	10.177	91	178998	18.084	ug/l	100
68) m/p-Xylenes	10.287	106	138405	37.567	ug/l	98
69) o-Xylene	10.622	106	65909	18.496	ug/l	100
70) Styrene	10.640	104	118170	18.926	ug/l	98
71) Bromoform	10.781	173	28902	19.553	ug/l #	99
73) Isopropylbenzene	10.945	105	167580	16.760	ug/l	100
74) N-amyl acetate	10.829	43	79411	17.416	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	57282	18.935	ug/l	97
76) 1,2,3-Trichloropropane	11.219	75	44609m	16.752	ug/l	
77) Bromobenzene	11.183	156	43141	17.518	ug/l	97
78) n-propylbenzene	11.287	91	199146	16.848	ug/l	100
79) 2-Chlorotoluene	11.348	91	124253	17.163	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	139354	16.963	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	16807	16.095	ug/l	95
82) 4-Chlorotoluene	11.439	91	148311	17.346	ug/l	99
83) tert-Butylbenzene	11.695	119	140839	16.747	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	142656	17.128	ug/l	100
85) sec-Butylbenzene	11.872	105	168936	16.912	ug/l	99
86) p-Isopropyltoluene	11.994	119	140679	16.635	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	79979	17.485	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	83367	17.757	ug/l	99
89) n-Butylbenzene	12.311	91	129927	16.604	ug/l	98
90) Hexachloroethane	12.518	117	23841	16.057	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	77419	17.765	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	10795	17.625	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	45993	16.239	ug/l	99
94) Hexachlorobutadiene	13.707	225	14948	15.538	ug/l	99
95) Naphthalene	13.756	128	143587	16.649	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	44483	16.884	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047798.D
Acq On : 25 Sep 2025 10:13
Operator : JC/MD
Sample : VX0925WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

Quant Time: Sep 26 01:22:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

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

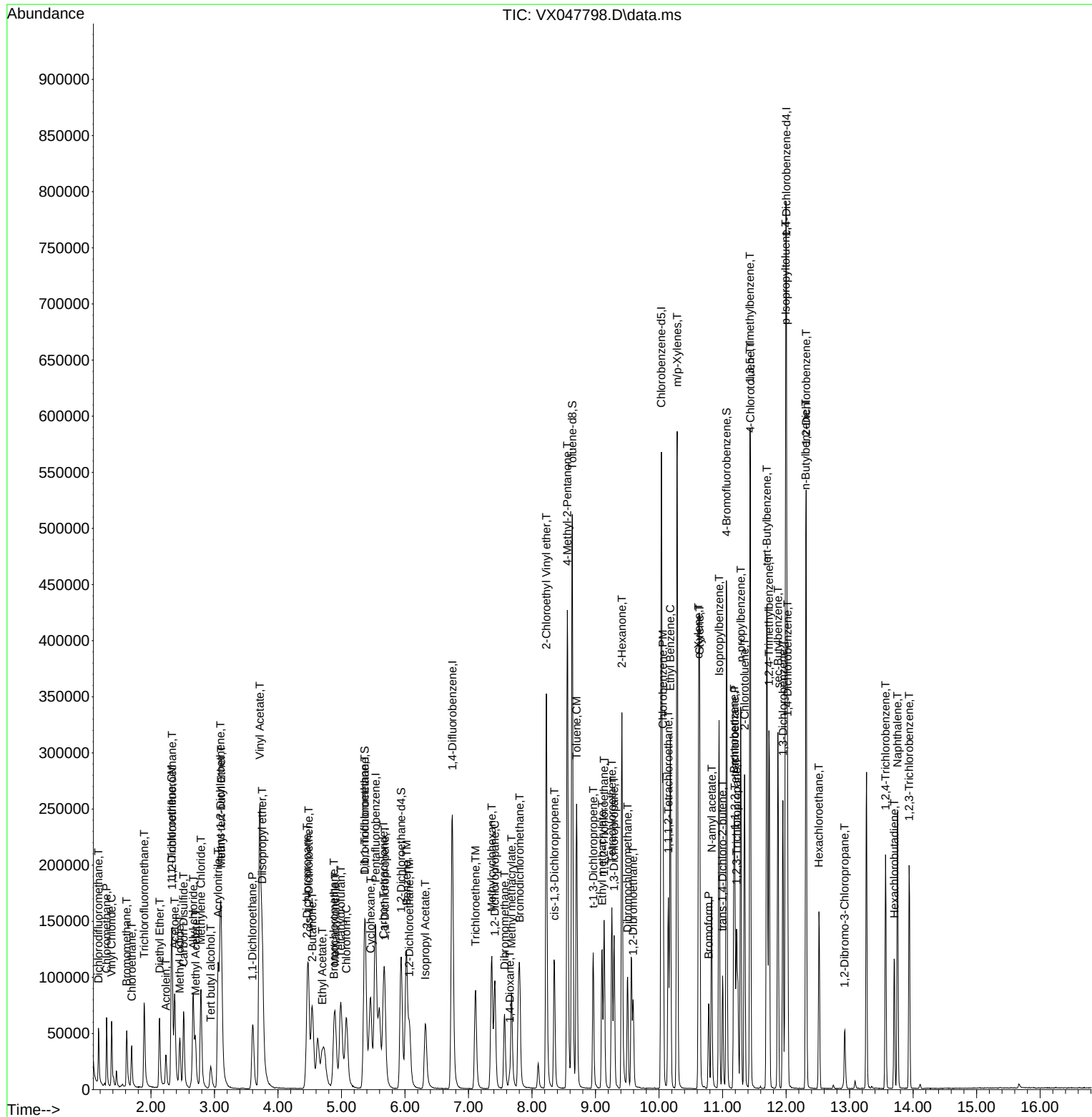
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\  
Data File : VX047798.D  
Acq On    : 25 Sep 2025  10:13  
Operator  : JC/MD  
Sample    : VX0925WBS01  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 5      Sample Multiplier: 1
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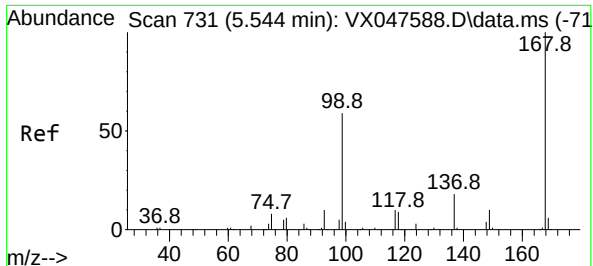
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

Manual Integrations

Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

Quant Time: Sep 26 01:22:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration





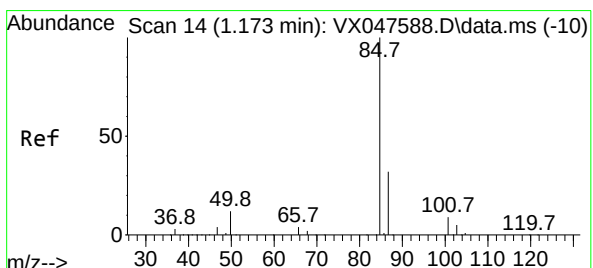
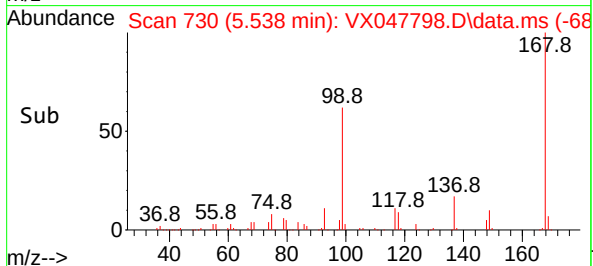
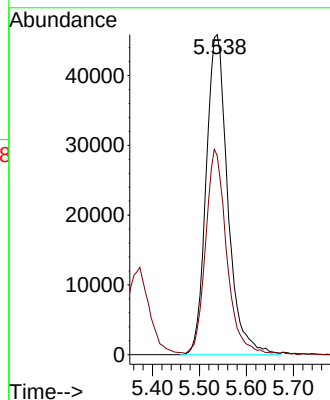
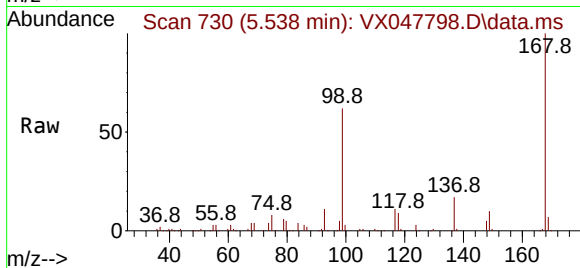
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

Tgt Ion:168 Resp: 146604
Ion Ratio Lower Upper
168 100
99 61.8 48.8 73.2

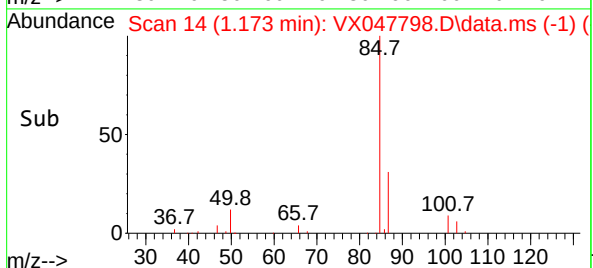
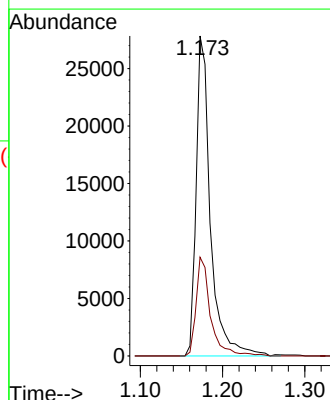
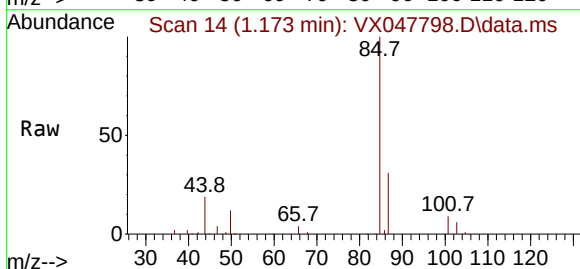
Manual Integrations
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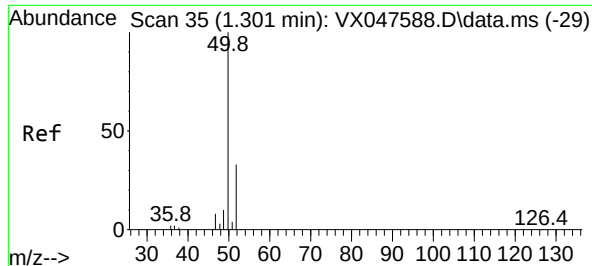
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#2
Dichlorodifluoromethane
Concen: 22.058 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 85 Resp: 33486
Ion Ratio Lower Upper
85 100
87 30.8 15.8 47.3





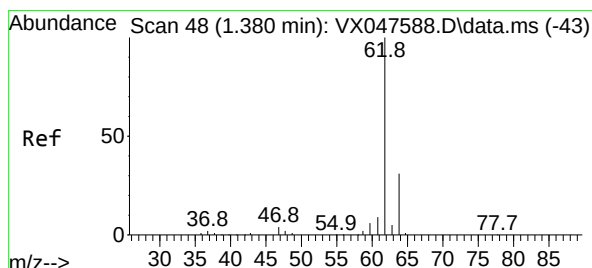
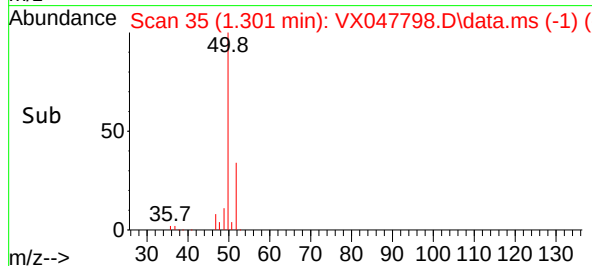
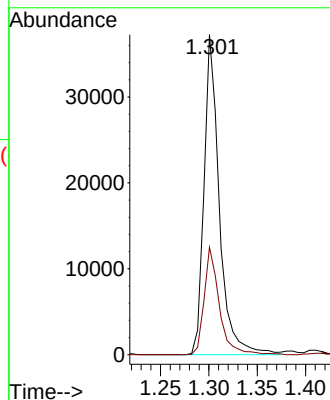
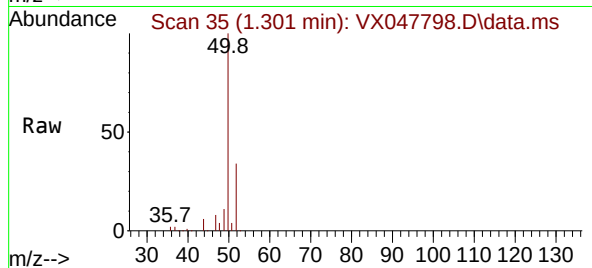
#3
Chloromethane
Concen: 20.612 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

Tgt Ion: 50 Resp: 4112
Ion Ratio Lower Upper
50 100
52 33.6 26.1 39.1

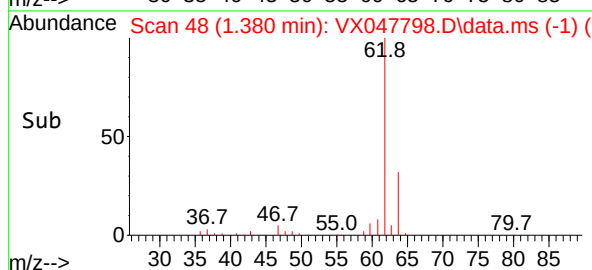
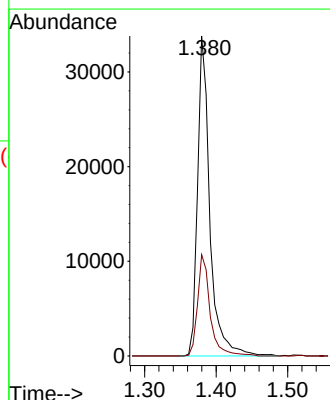
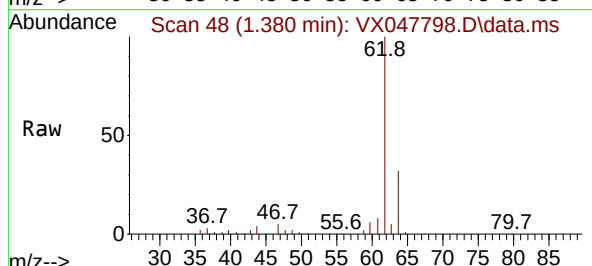
Manual Integrations
APPROVED

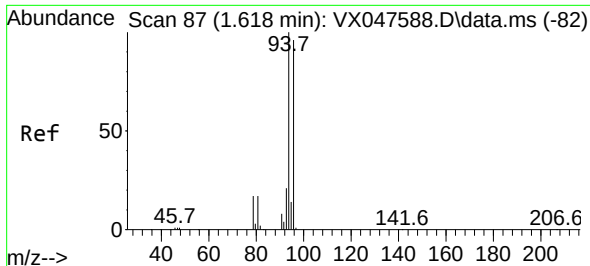
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#4
Vinyl Chloride
Concen: 20.566 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

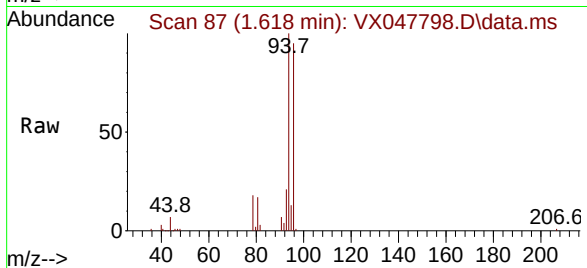
Tgt Ion: 62 Resp: 40168
Ion Ratio Lower Upper
62 100
64 31.7 24.9 37.3





#5
Bromomethane
Concen: 20.825 ug/l
RT: 1.618 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

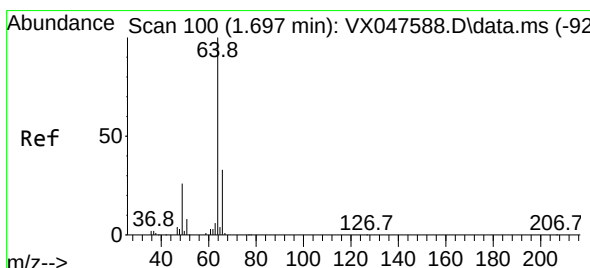
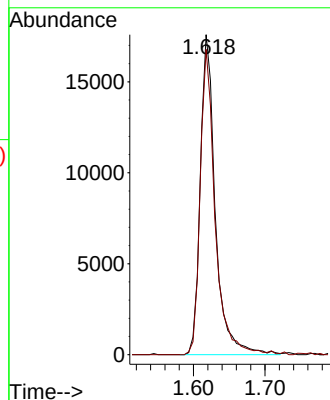
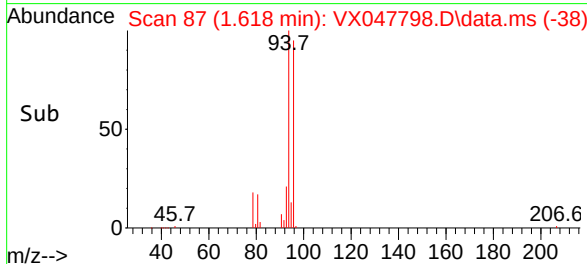
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01



Tgt Ion: 94 Resp: 2579
Ion Ratio Lower Upper
94 100
96 95.4 76.6 115.0

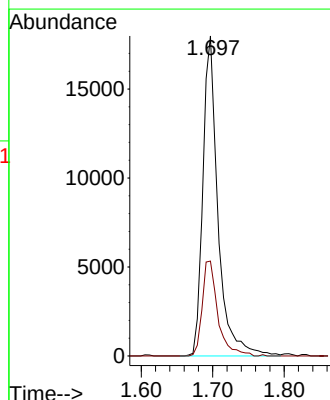
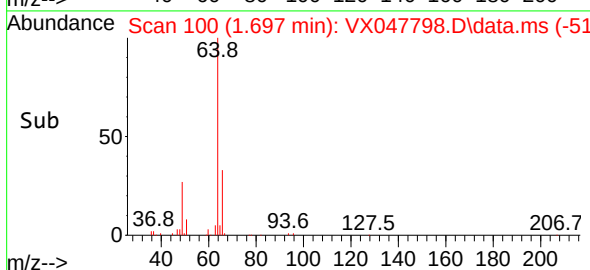
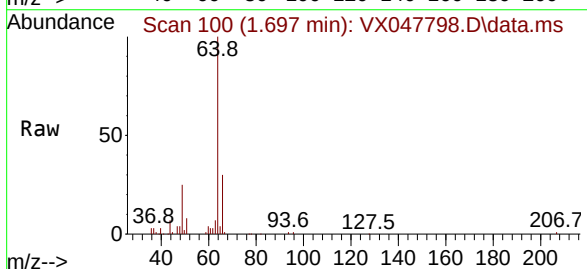
Manual Integrations
APPROVED

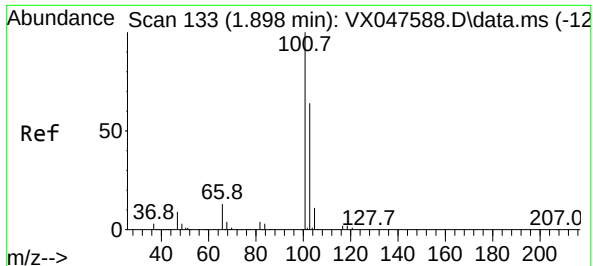
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#6
Chloroethane
Concen: 20.242 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

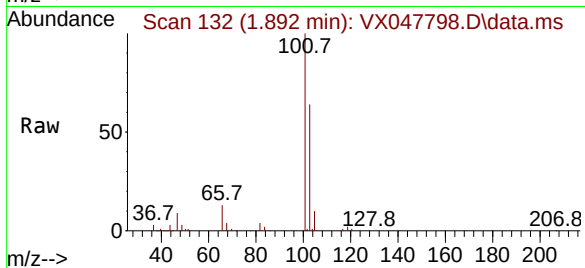
Tgt Ion: 64 Resp: 26423
Ion Ratio Lower Upper
64 100
66 29.6 26.1 39.1





#7
Trichlorofluoromethane
Concen: 19.773 ug/l
RT: 1.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

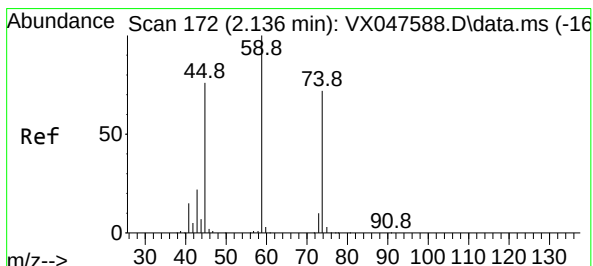
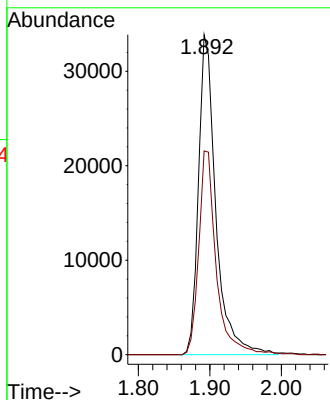
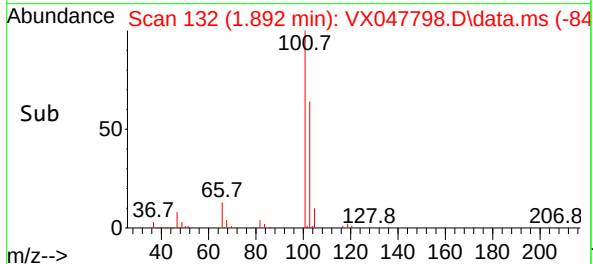
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01



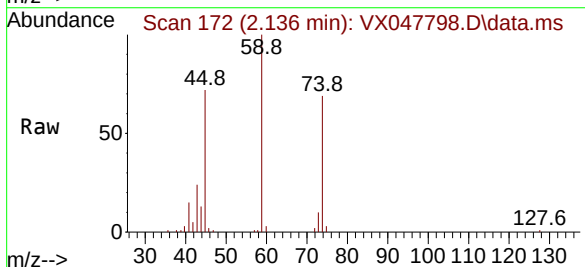
Tgt Ion:101 Resp: 5734
Ion Ratio Lower Upper
101 100
103 63.0 51.4 77.2

Manual Integrations
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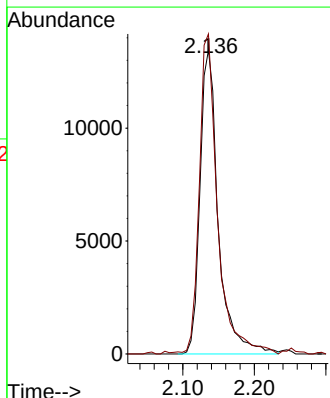
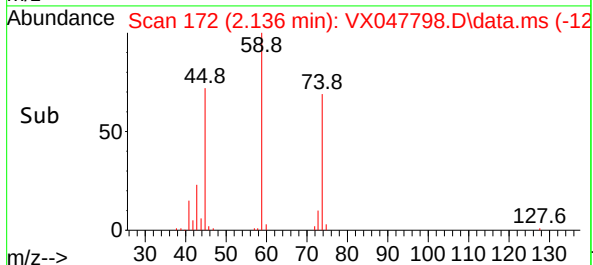
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

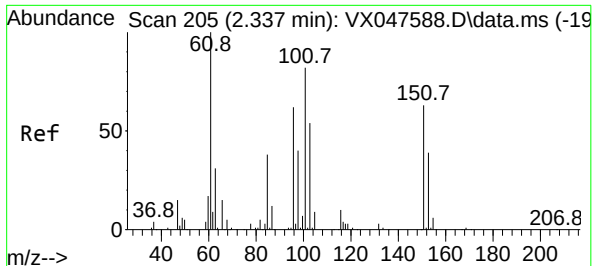


#8
Diethyl Ether
Concen: 20.199 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13



Tgt Ion: 74 Resp: 23961
Ion Ratio Lower Upper
74 100
45 104.8 52.3 156.8





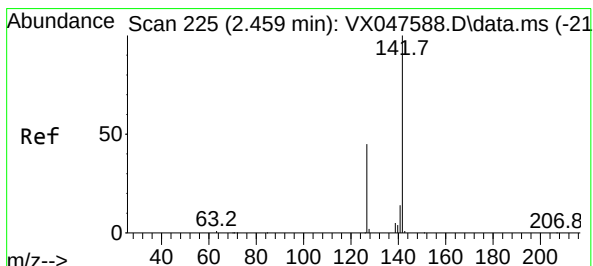
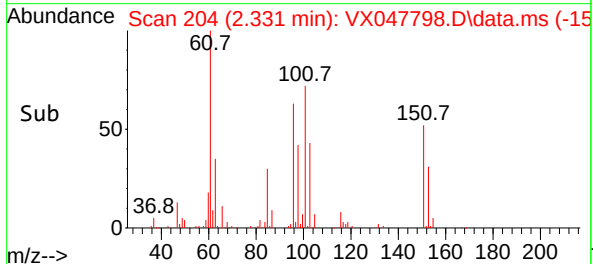
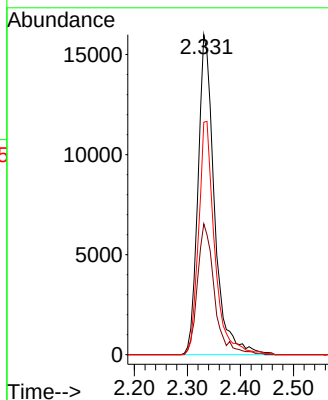
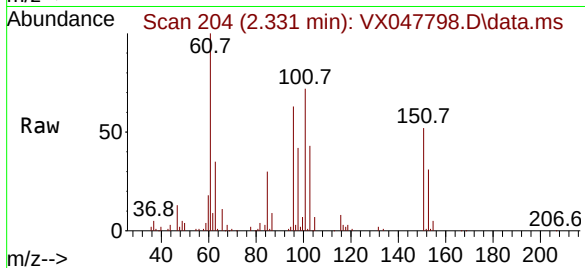
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.318 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

Tgt Ion:101 Resp: 3445
Ion Ratio Lower Upper
101 100
85 42.4 35.5 53.3
151 71.6 59.4 89.0

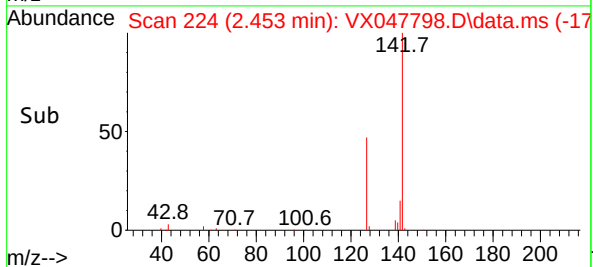
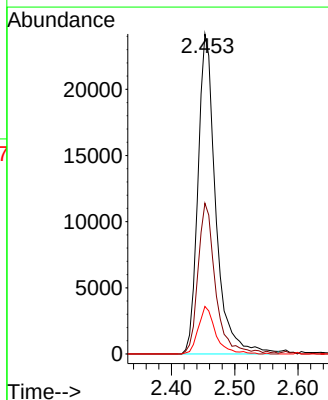
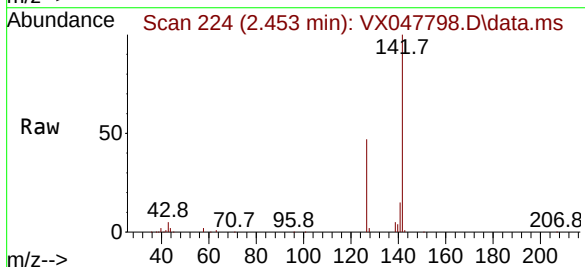
Manual Integrations
APPROVED

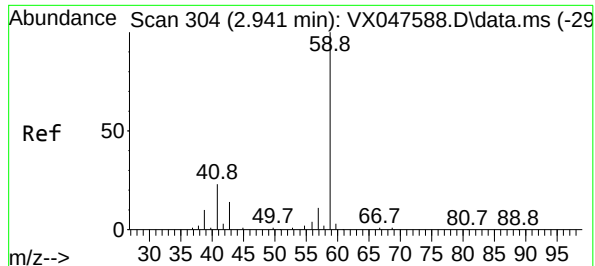
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#10
Methyl Iodide
Concen: 17.915 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion:142 Resp: 47378
Ion Ratio Lower Upper
142 100
127 46.5 37.2 55.8
141 14.4 11.4 17.0





#11

Tert butyl alcohol

Concen: 98.524 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

Tgt Ion: 59 Resp: 25600

Ion Ratio Lower Upper

59 100

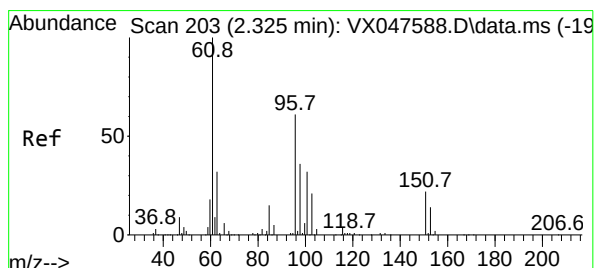
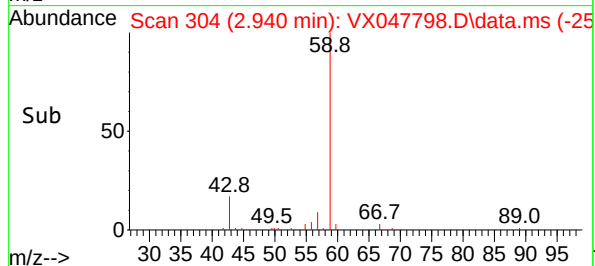
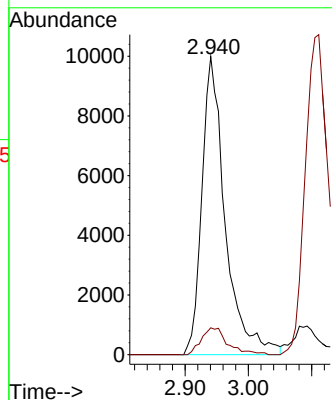
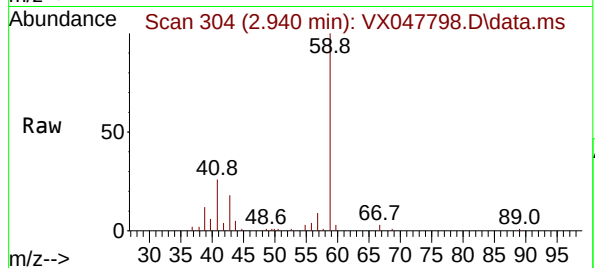
57 10.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#12

1,1-Dichloroethene

Concen: 19.312 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

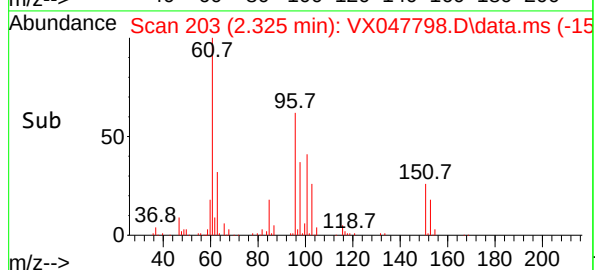
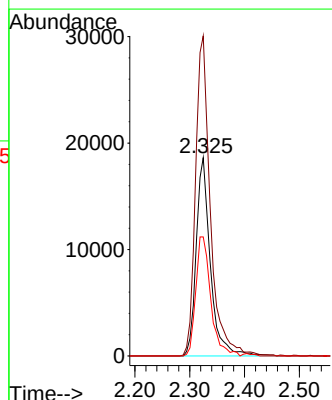
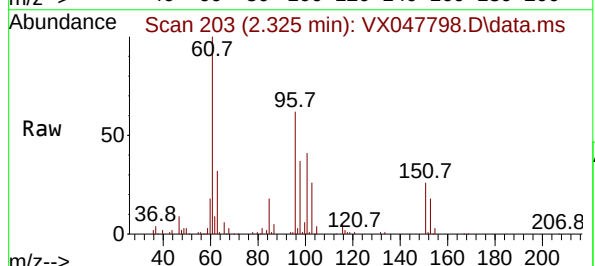
Tgt Ion: 96 Resp: 33638

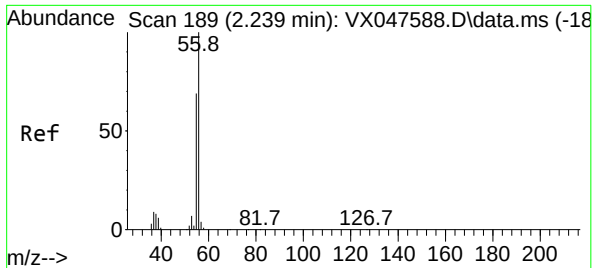
Ion Ratio Lower Upper

96 100

61 161.4 131.0 196.6

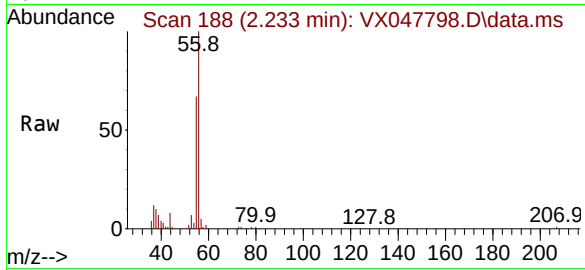
98 60.0 47.7 71.5





#13
Acrolein
Concen: 102.823 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

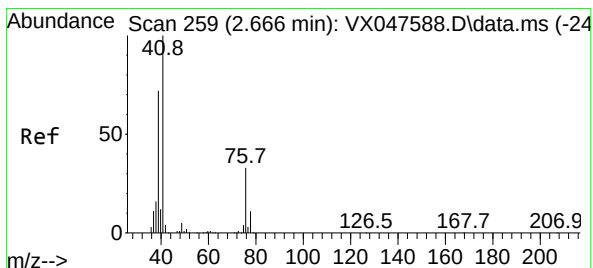
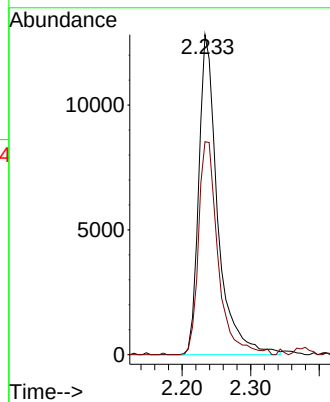
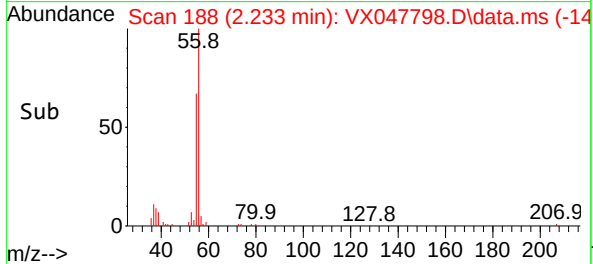
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01



Tgt Ion: 56 Resp: 24620
Ion Ratio Lower Upper
56 100
55 68.8 57.2 85.8

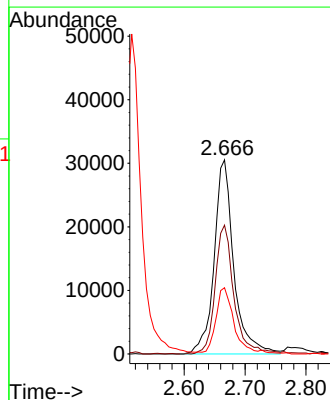
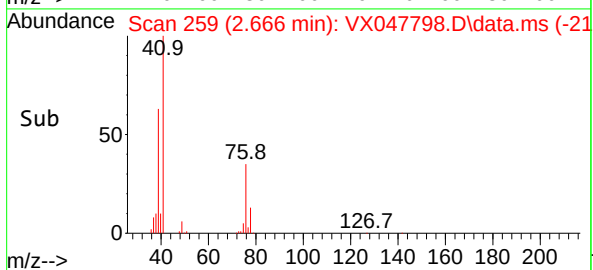
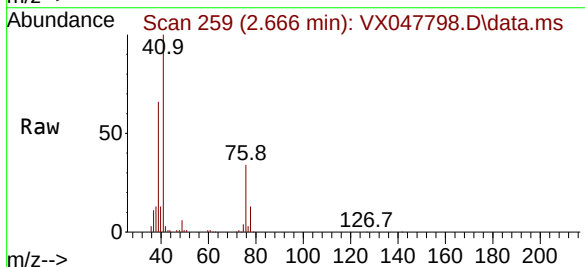
Manual Integrations
APPROVED

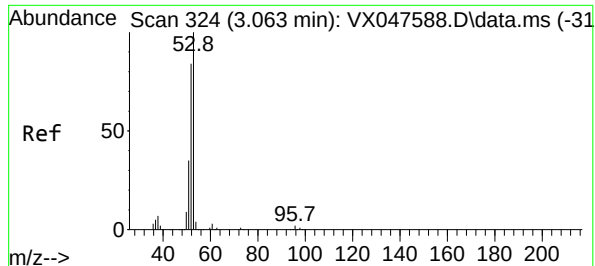
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#14
Allyl chloride
Concen: 19.064 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 41 Resp: 68523
Ion Ratio Lower Upper
41 100
39 63.8 54.7 82.1
76 31.9 25.7 38.5





#15

Acrylonitrile

Concen: 112.384 ug/l

RT: 3.056 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

Tgt Ion: 53 Resp: 108189

Ion Ratio Lower Upper

53 100

52 82.6 66.4 99.6

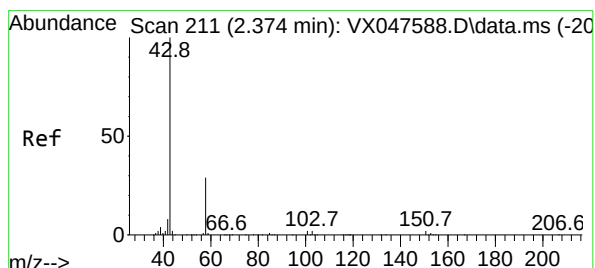
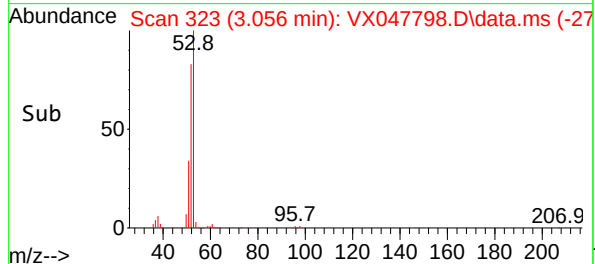
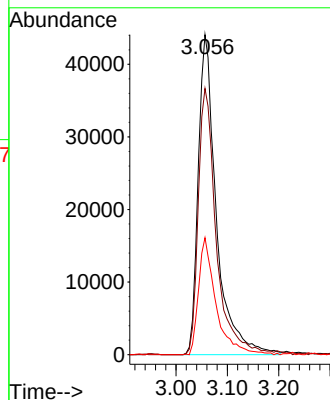
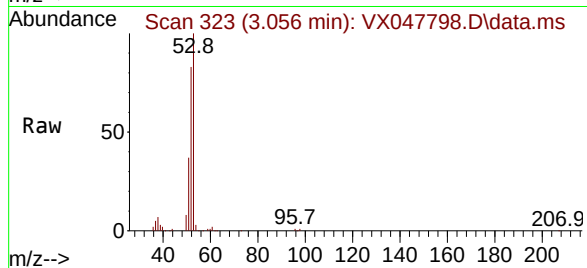
51 35.3 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#16

Acetone

Concen: 96.444 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX047798.D

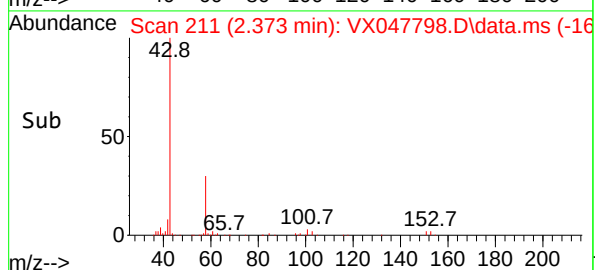
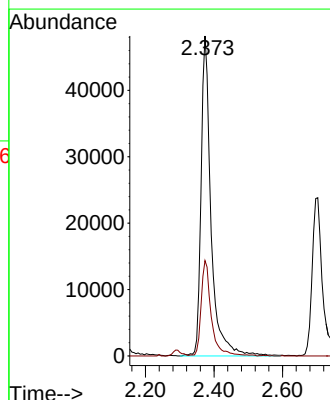
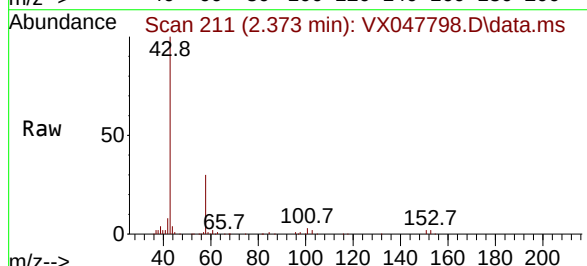
Acq: 25 Sep 2025 10:13

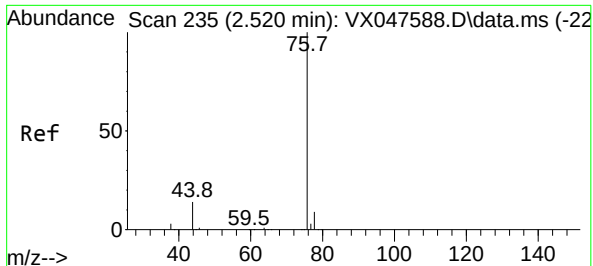
Tgt Ion: 43 Resp: 97856

Ion Ratio Lower Upper

43 100

58 29.8 23.4 35.0





#17

Carbon Disulfide

Concen: 19.550 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

Tgt Ion: 76 Resp: 93220

Ion Ratio Lower Upper

76 100

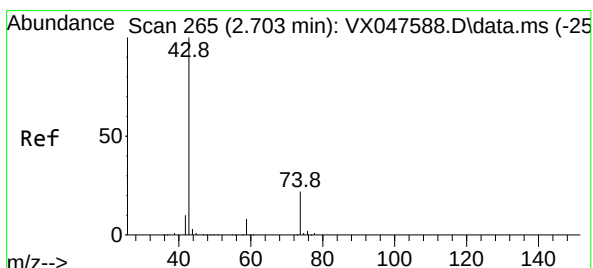
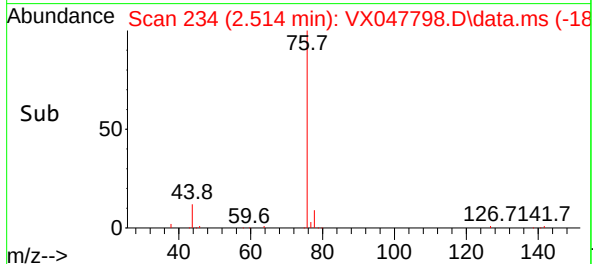
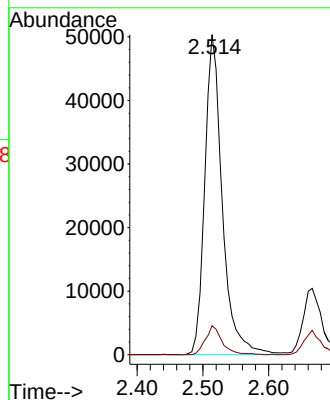
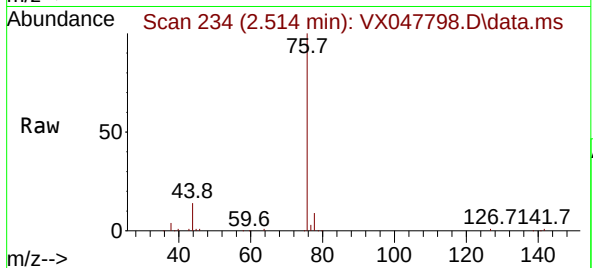
78 9.0 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#18

Methyl Acetate

Concen: 22.648 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX047798.D

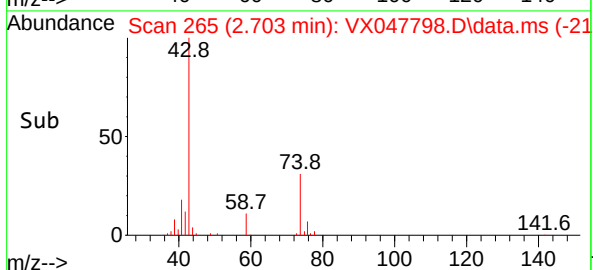
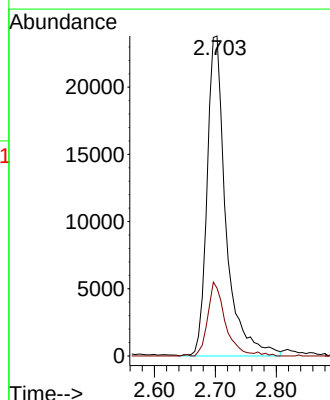
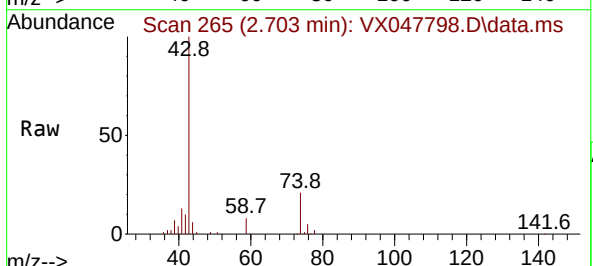
Acq: 25 Sep 2025 10:13

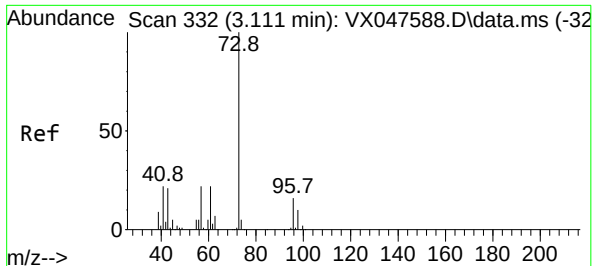
Tgt Ion: 43 Resp: 51140

Ion Ratio Lower Upper

43 100

74 21.3 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 20.001 ug/l

RT: 3.105 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

Tgt Ion: 73 Resp: 12717

Ion Ratio Lower Upper

73 100

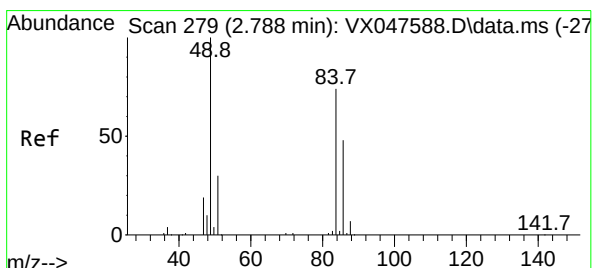
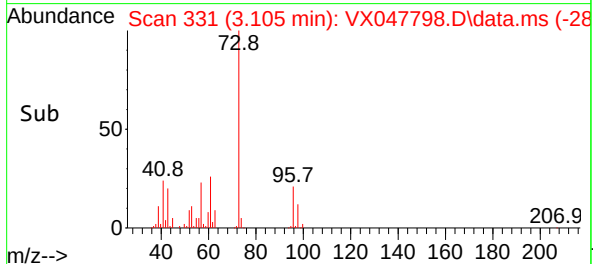
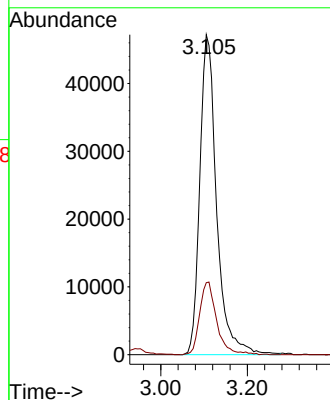
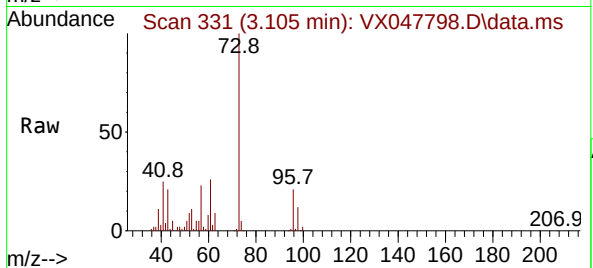
57 22.5 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#20

Methylene Chloride

Concen: 20.612 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Tgt Ion: 84 Resp: 44268

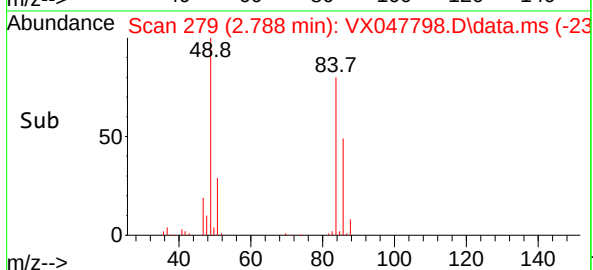
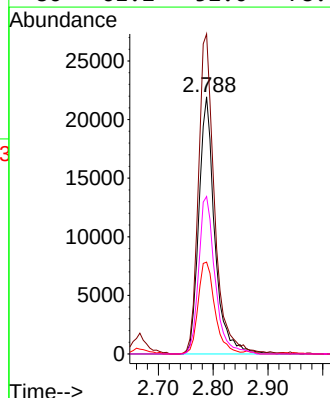
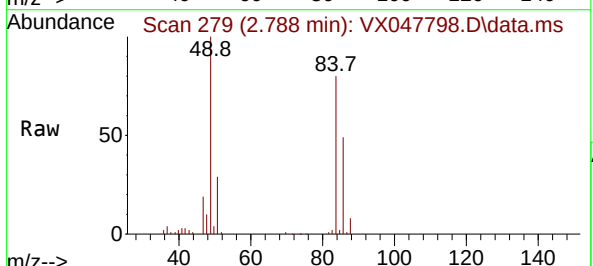
Ion Ratio Lower Upper

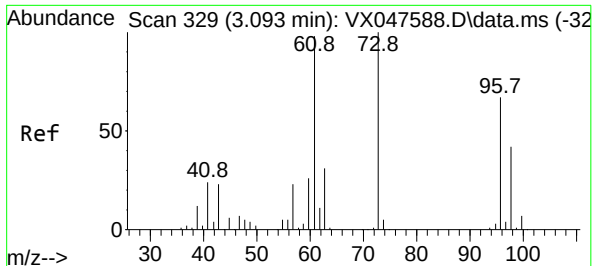
84 100

49 124.5 108.6 162.8

51 35.7 32.6 48.8

86 61.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 20.188 ug/l

RT: 3.093 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

Tgt Ion: 96 Resp: 3785

Ion Ratio Lower Upper

96 100

61 139.7 116.2 174.2

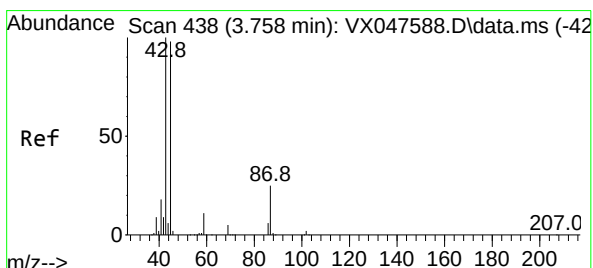
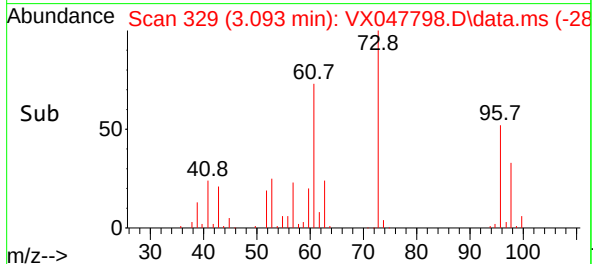
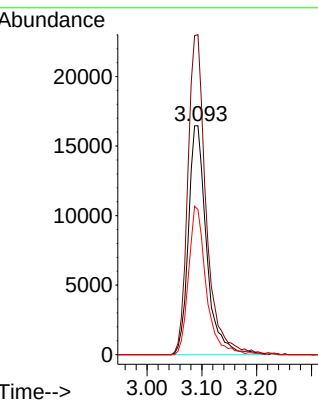
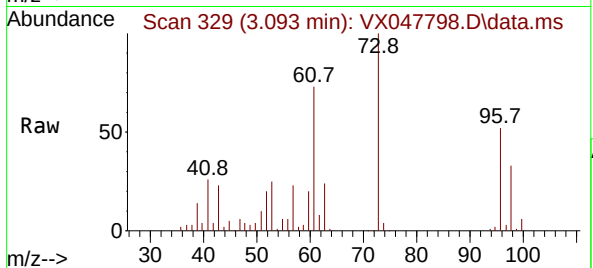
98 63.4 49.3 73.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#22

Diisopropyl ether

Concen: 20.291 ug/l

RT: 3.751 min Scan# 437

Delta R.T. -0.006 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Tgt Ion: 45 Resp: 141341

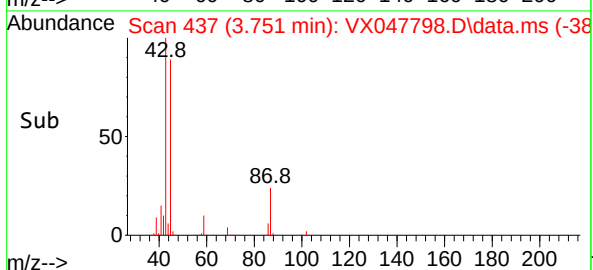
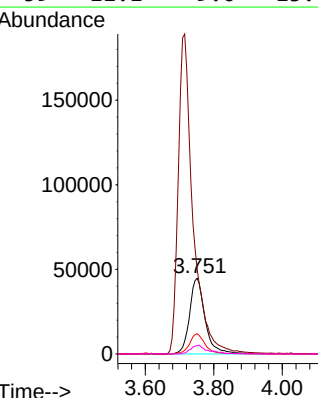
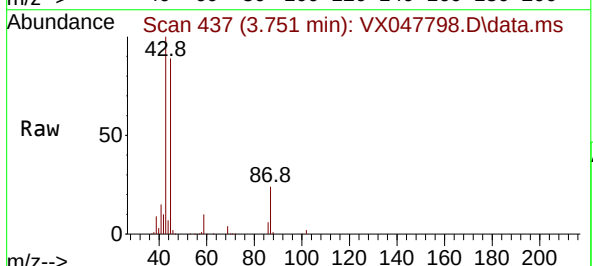
Ion Ratio Lower Upper

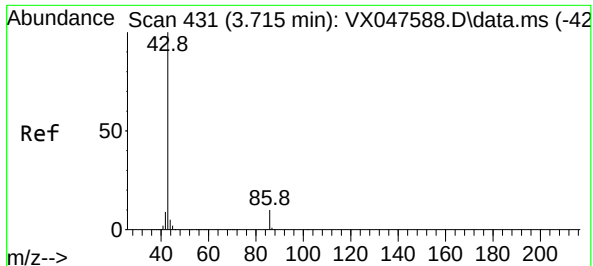
45 100

43 110.7 81.0 121.4

87 26.9 20.3 30.5

59 11.1 9.0 13.4





#23

Vinyl Acetate

Concen: 102.004 ug/l

RT: 3.715 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Tgt Ion: 43 Resp: 56867

Ion Ratio Lower Upper

43 100

86 10.0 7.8 11.8

Instrument :

MSVOA_X

ClientSampleId :

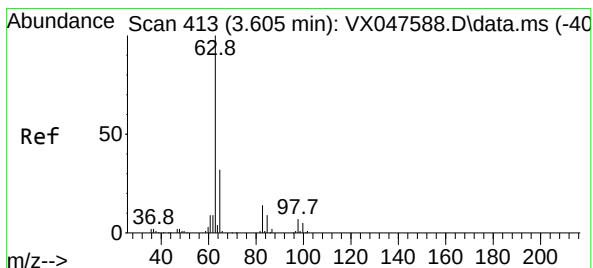
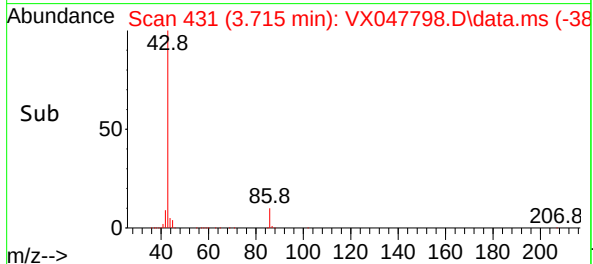
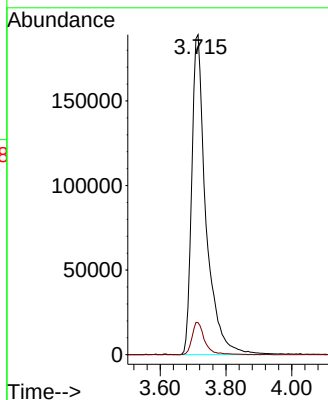
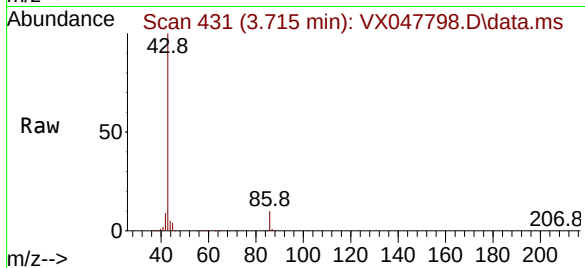
VX0925WBS01

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#24

1,1-Dichloroethane

Concen: 20.427 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.006 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

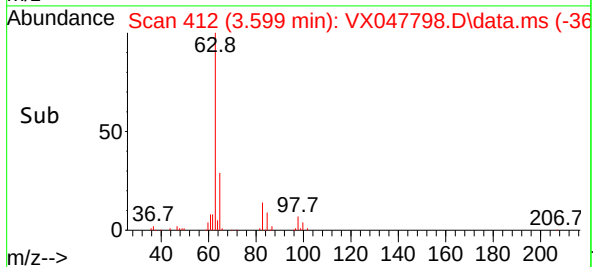
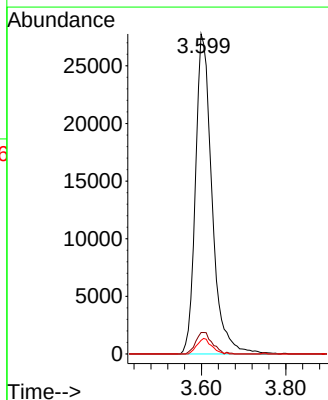
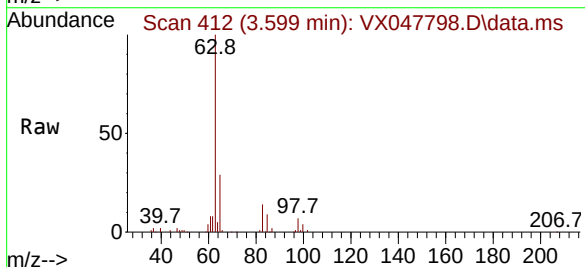
Tgt Ion: 63 Resp: 75627

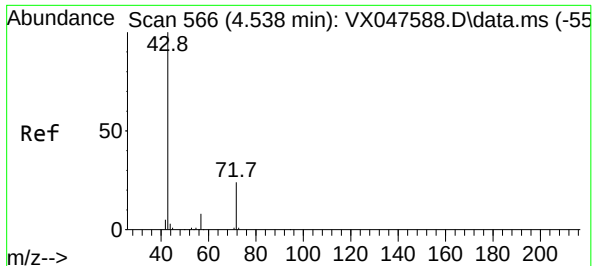
Ion Ratio Lower Upper

63 100

98 6.7 3.8 11.2

100 4.3 2.3 6.9





#25

2-Butanone

Concen: 107.864 ug/l

RT: 4.538 min Scan# 5

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

Tgt Ion: 43 Resp: 13651

Ion Ratio Lower Upper

43

100

72

25.6

20.1

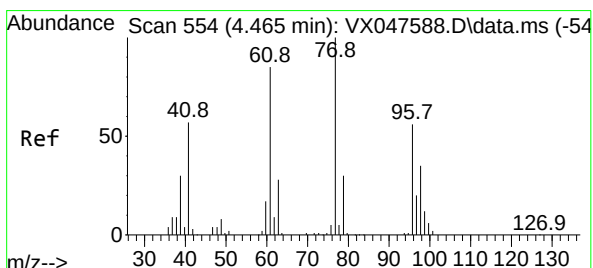
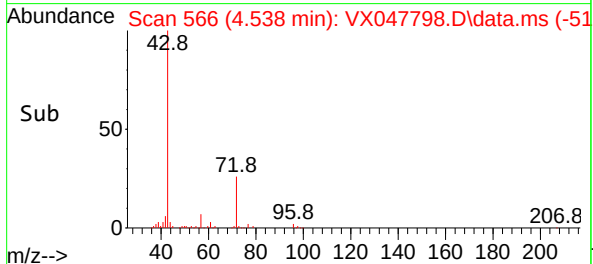
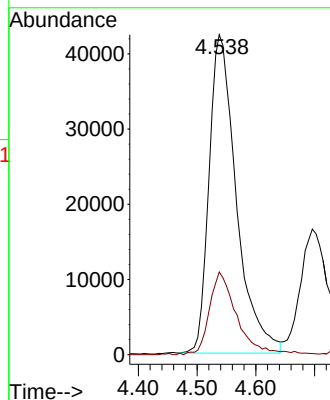
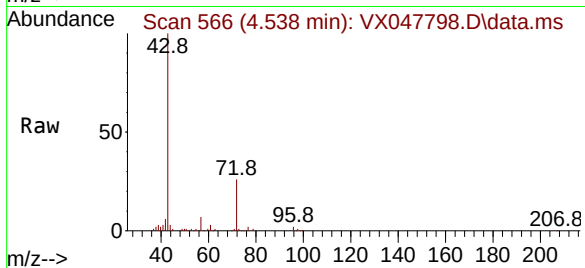
30.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#26

2,2-Dichloropropane

Concen: 18.360 ug/l

RT: 4.458 min Scan# 553

Delta R.T. -0.006 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Tgt Ion: 77 Resp: 56506

Ion Ratio Lower Upper

77

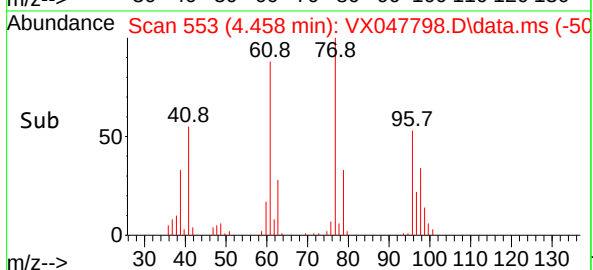
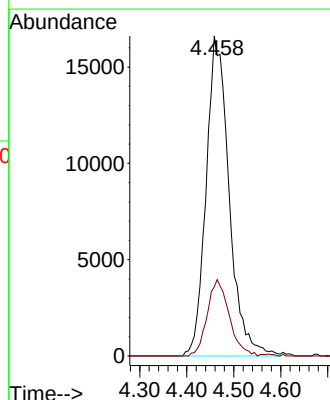
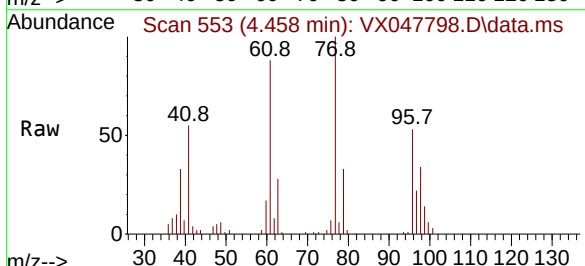
100

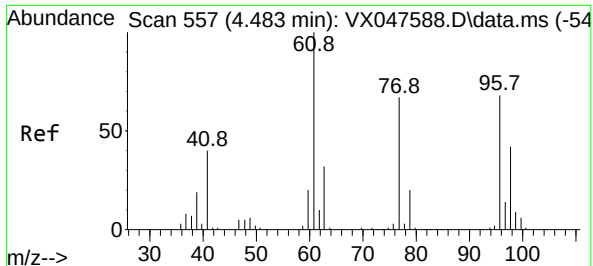
97

22.8

10.9

32.7





#27

cis-1,2-Dichloroethene

Concen: 20.268 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

Tgt Ion: 96 Resp: 4654

Ion Ratio Lower Upper

96 100

61 148.1 0.0 303.2

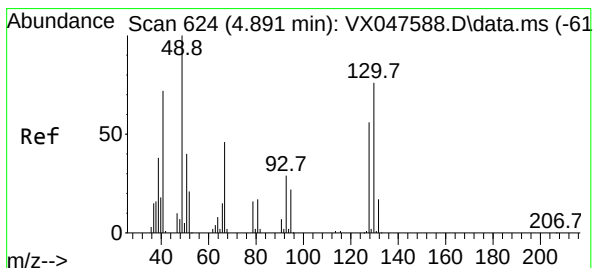
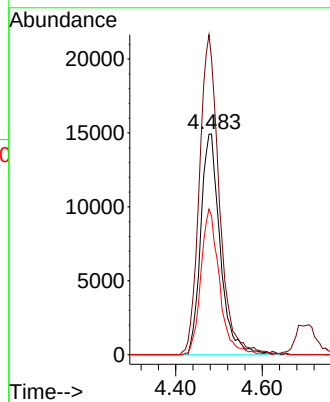
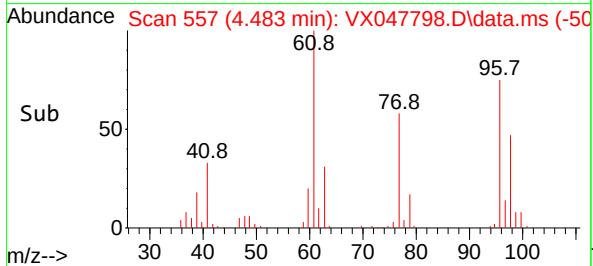
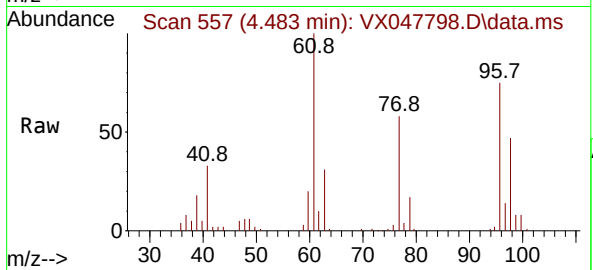
98 62.8 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#28

Bromochloromethane

Concen: 20.016 ug/l

RT: 4.879 min Scan# 622

Delta R.T. -0.012 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

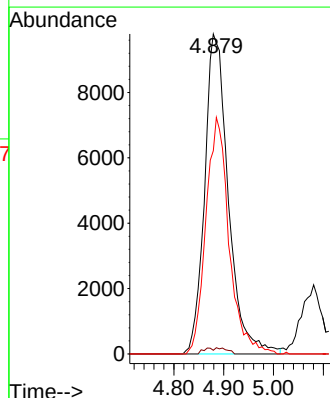
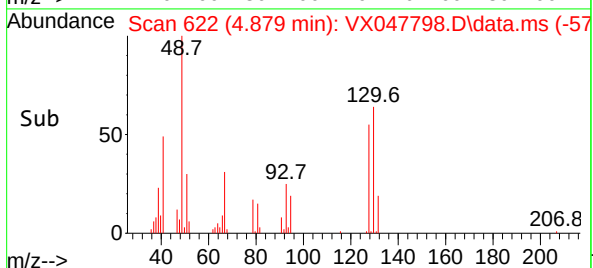
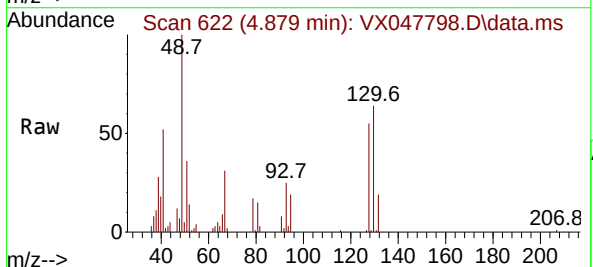
Tgt Ion: 49 Resp: 32353

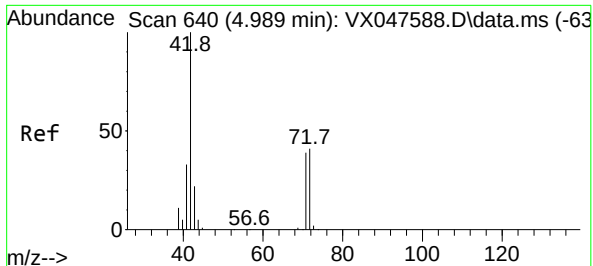
Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.2

130 72.0 57.8 86.8





#29

Tetrahydrofuran

Concen: 109.038 ug/l

RT: 4.989 min Scan# 640

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

Tgt Ion: 42 Resp: 83019

Ion Ratio Lower Upper

42 100

72 44.6 34.2 51.2

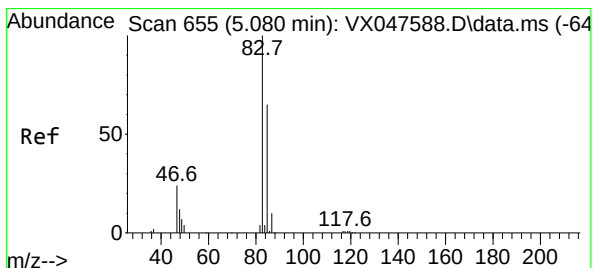
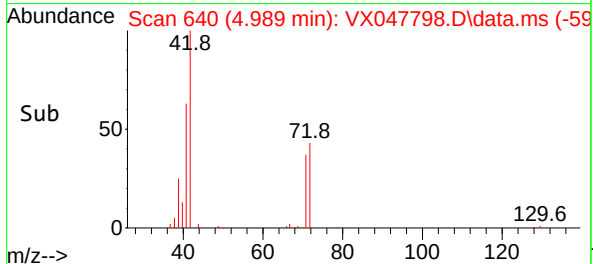
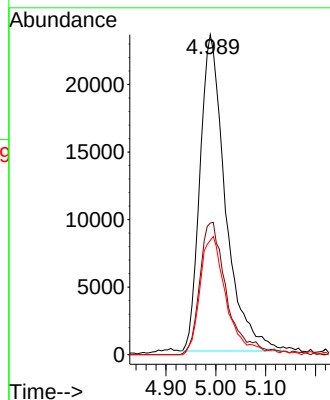
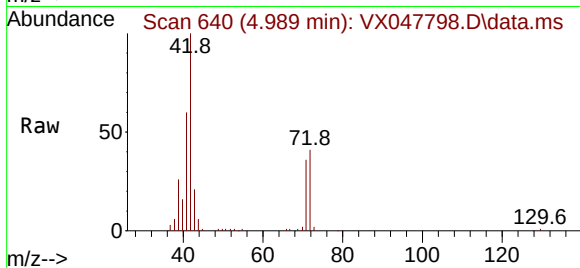
71 38.4 31.9 47.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#30

Chloroform

Concen: 20.653 ug/l

RT: 5.074 min Scan# 654

Delta R.T. -0.006 min

Lab File: VX047798.D

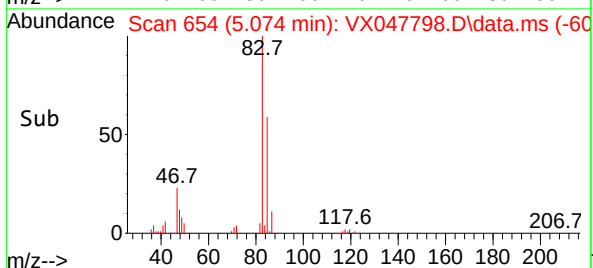
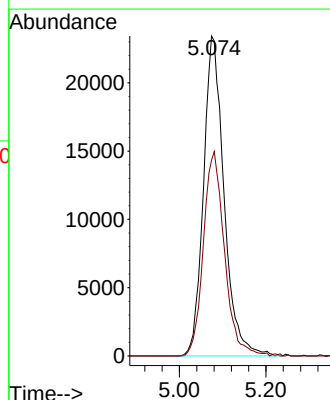
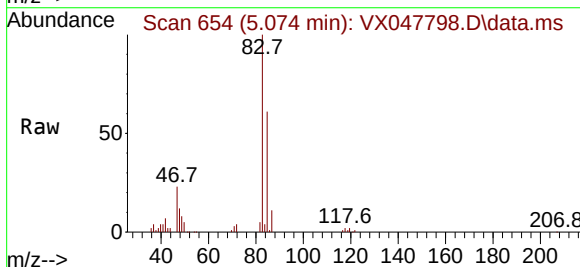
Acq: 25 Sep 2025 10:13

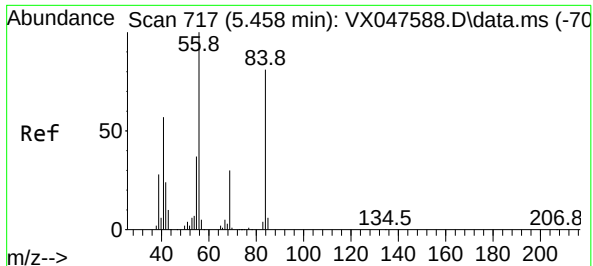
Tgt Ion: 83 Resp: 77269

Ion Ratio Lower Upper

83 100

85 61.2 51.8 77.6





#31

Cyclohexane

Concen: 19.208 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

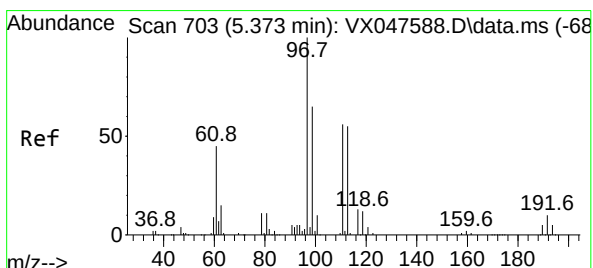
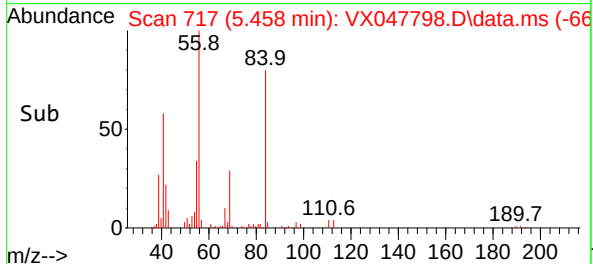
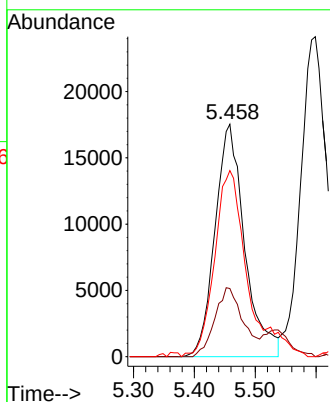
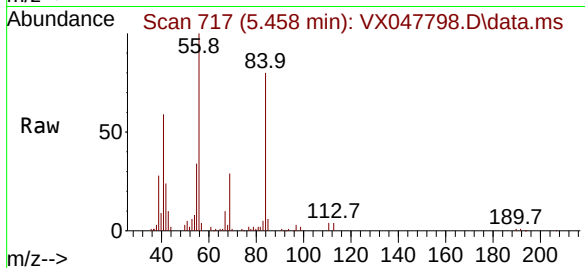
ClientSampleId :

VX0925WBS01

Tgt Ion:	56	Resp:	59230
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.8	35.8
84	78.3	64.6	97.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#32

1,1,1-Trichloroethane

Concen: 19.798 ug/l

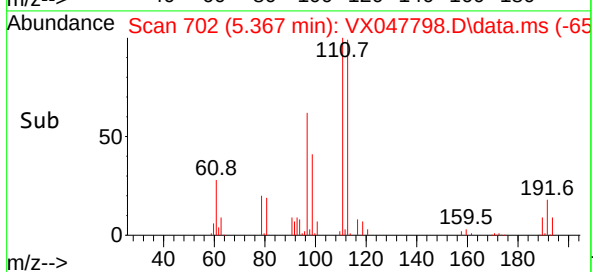
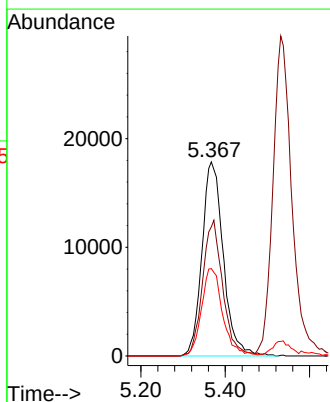
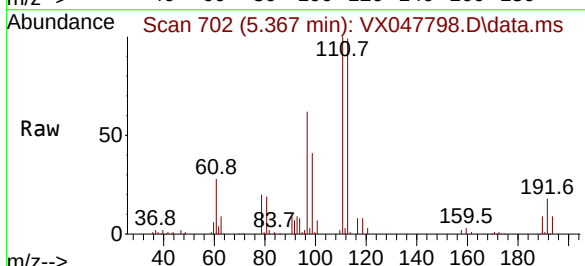
RT: 5.367 min Scan# 702

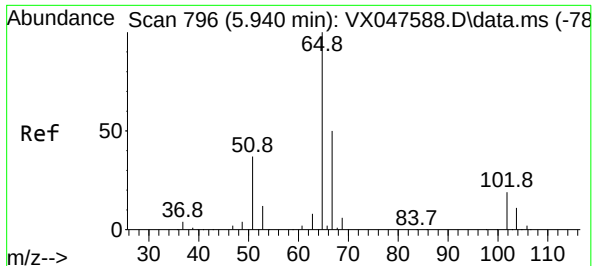
Delta R.T. -0.006 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Tgt Ion:	97	Resp:	62827
Ion	Ratio	Lower	Upper
97	100		
99	65.9	50.6	76.0
61	44.6	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 53.330 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

Tgt Ion: 65 Resp: 124450

Ion Ratio Lower Upper

65 100

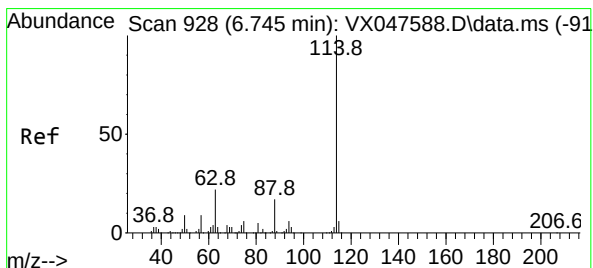
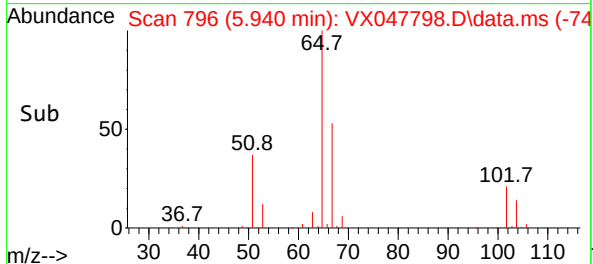
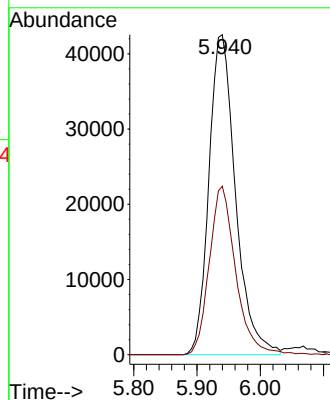
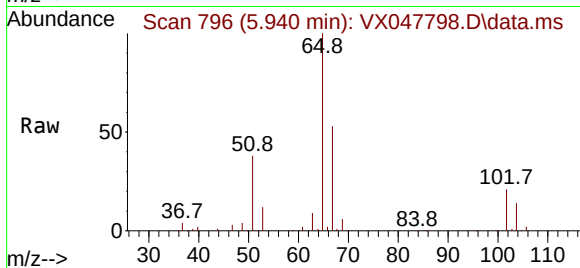
67 52.3 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

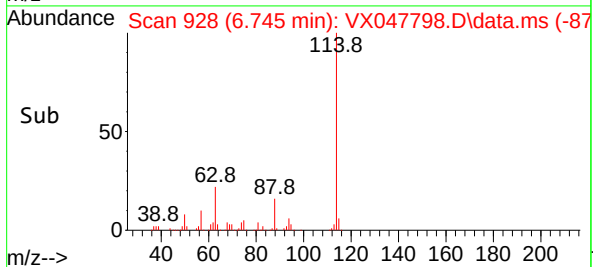
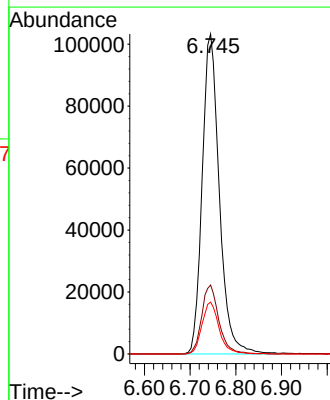
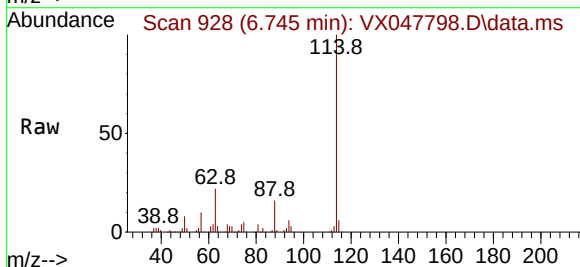
Tgt Ion:114 Resp: 268605

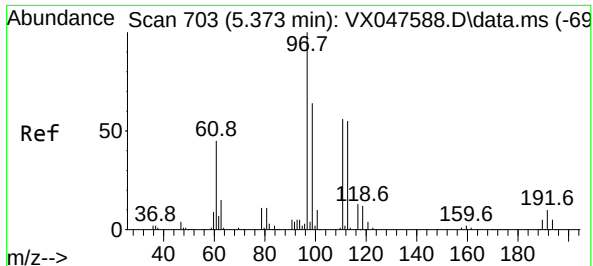
Ion Ratio Lower Upper

114 100

63 24.6 0.0 44.0

88 16.2 0.0 34.2





#35

Dibromofluoromethane

Concen: 52.034 ug/l

RT: 5.367 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

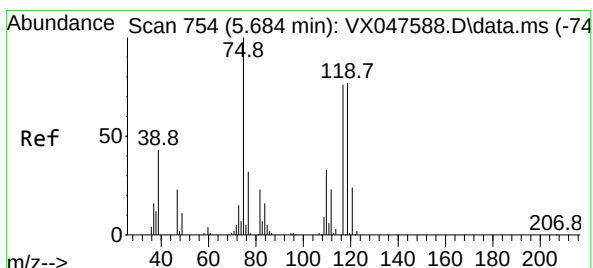
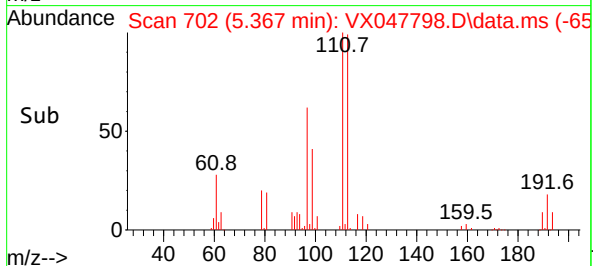
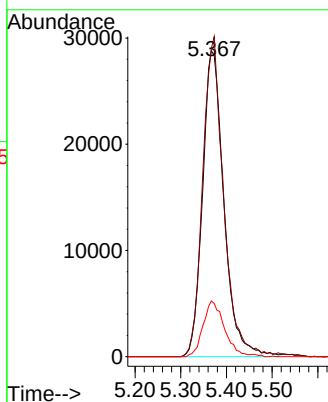
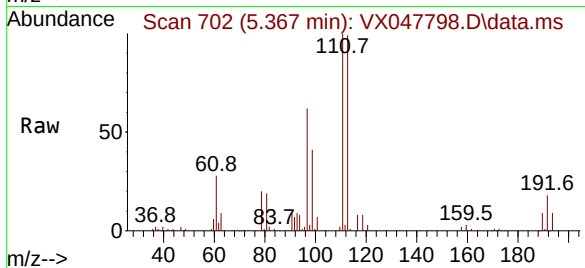
Tgt Ion:	113	Resp:	9373
Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.9	121.3
192	18.3	14.2	21.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#36

1,1-Dichloropropene

Concen: 18.687 ug/l

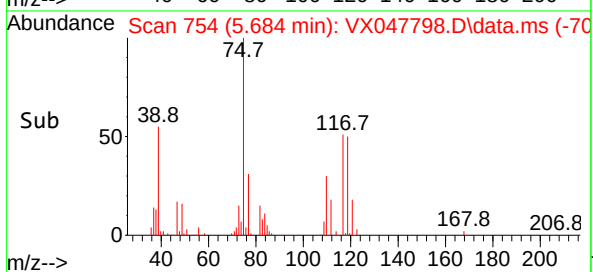
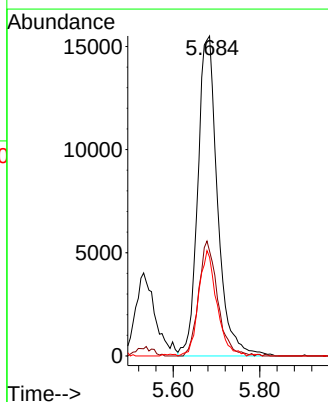
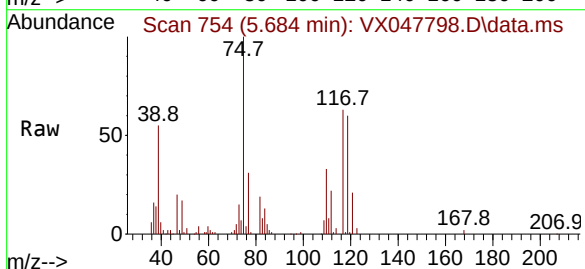
RT: 5.684 min Scan# 754

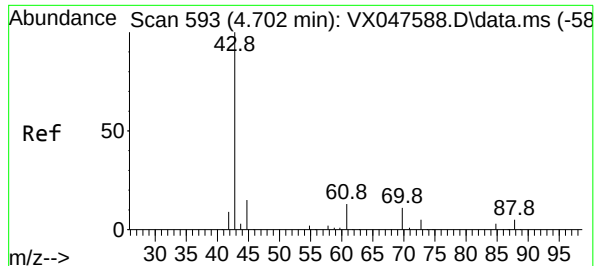
Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Tgt Ion:	75	Resp:	49190
Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.7	50.1
77	30.4	24.3	36.5





#37

Ethyl Acetate

Concen: 20.616 ug/l

RT: 4.696 min Scan# 593

Delta R.T. -0.006 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

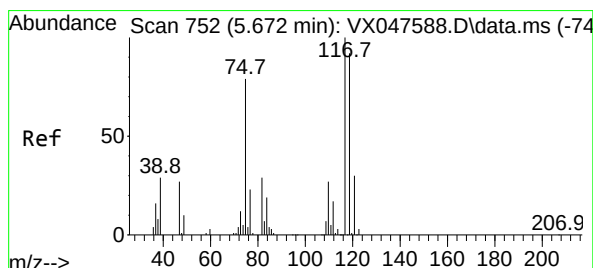
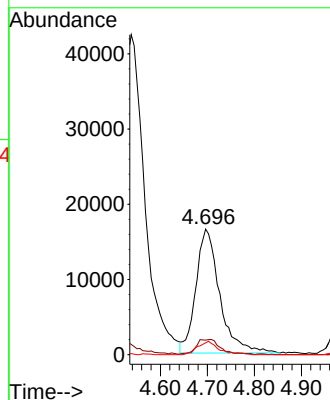
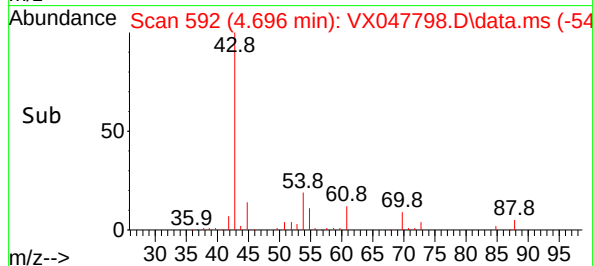
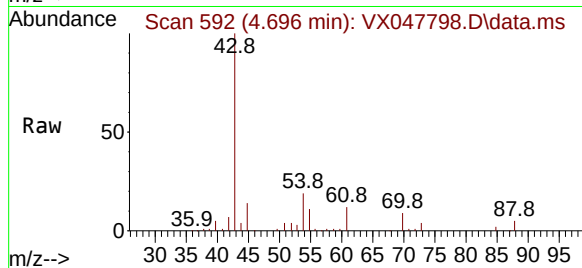
ClientSampleId :

VX0925WBS01

Tgt Ion:	43	Resp:	58104
Ion Ratio	Lower	Upper	
43	100		
61	12.7	9.8	14.8
70	9.5	7.9	11.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#38

Carbon Tetrachloride

Concen: 18.201 ug/l

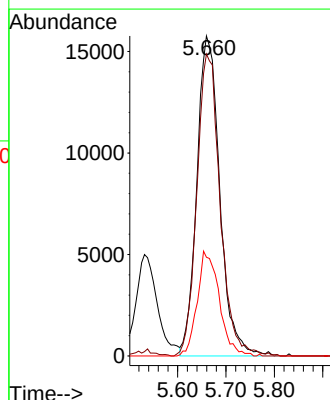
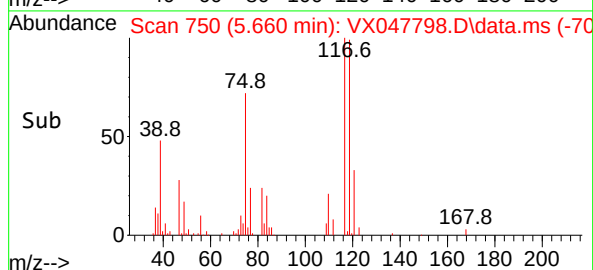
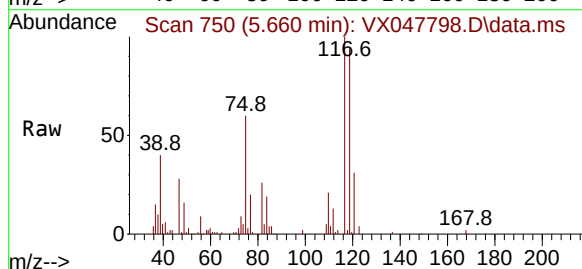
RT: 5.660 min Scan# 750

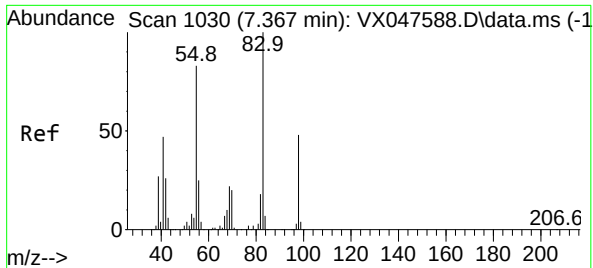
Delta R.T. -0.012 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Tgt Ion:	117	Resp:	52056
Ion Ratio	Lower	Upper	
117	100		
119	94.4	73.4	110.2
121	30.9	23.8	35.6





#39

Methylcyclohexane

Concen: 17.818 ug/l

RT: 7.367 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

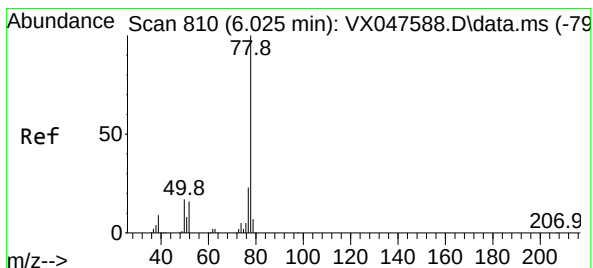
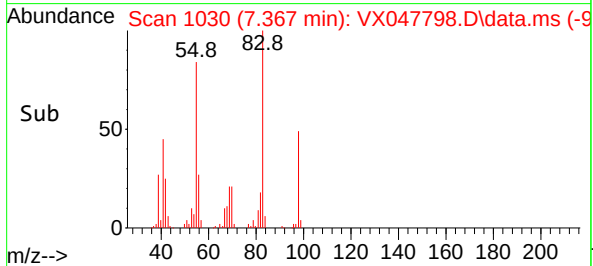
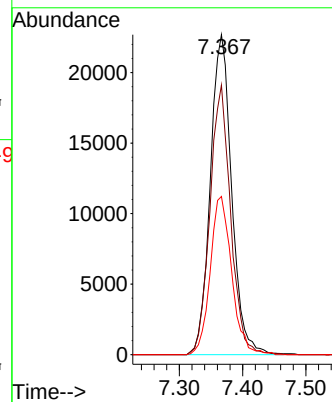
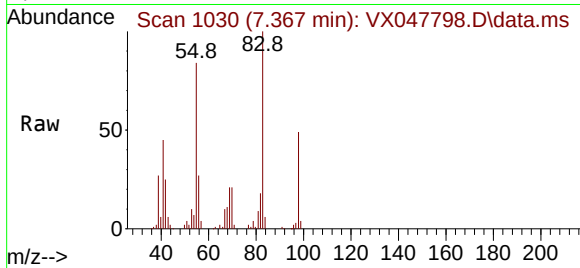
VX0925WBS01

Tgt Ion:	83	Resp:	53240
Ion	Ratio	Lower	Upper
83	100		
55	84.3	66.4	99.6
98	49.4	38.1	57.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#40

Benzene

Concen: 19.850 ug/l

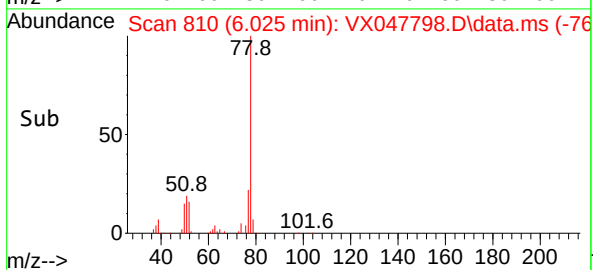
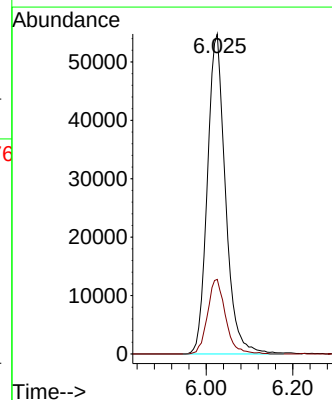
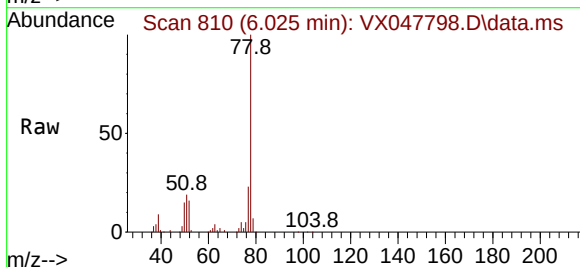
RT: 6.025 min Scan# 810

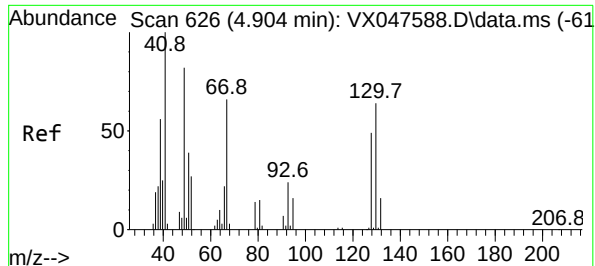
Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Tgt Ion:	78	Resp:	158698
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





#41

Methacrylonitrile

Concen: 20.125 ug/l

RT: 4.897 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

Tgt Ion: 41 Resp: 2928

Ion Ratio Lower Upper

41 100

39 58.6 43.3 64.9

67 74.2 58.6 87.8

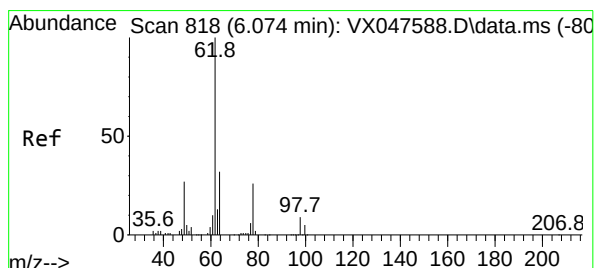
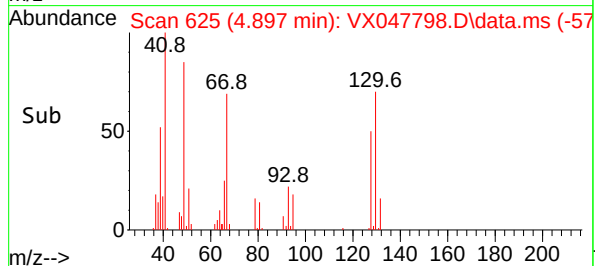
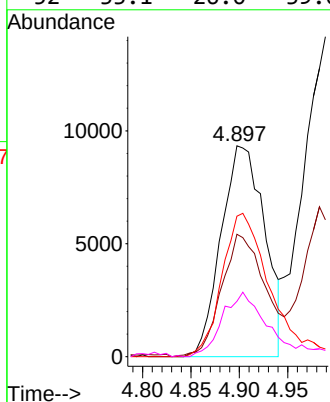
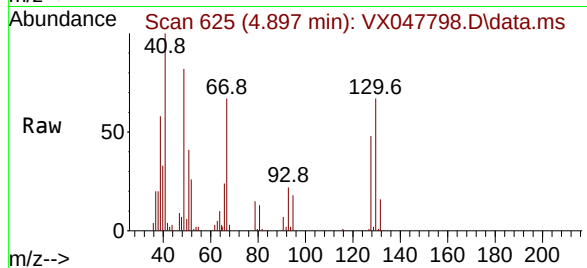
52 33.1 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#42

1,2-Dichloroethane

Concen: 19.457 ug/l

RT: 6.068 min Scan# 817

Delta R.T. -0.006 min

Lab File: VX047798.D

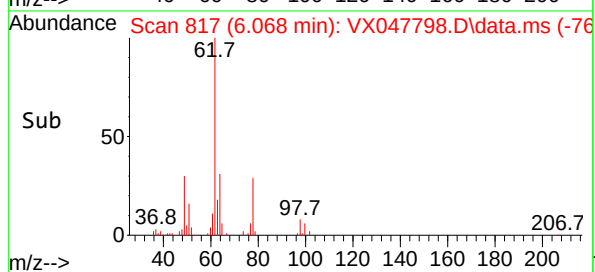
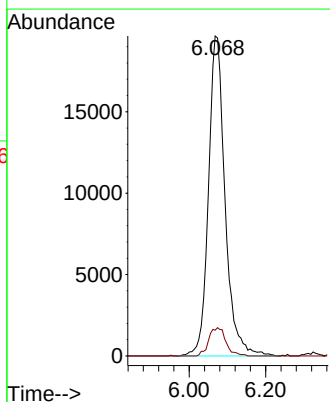
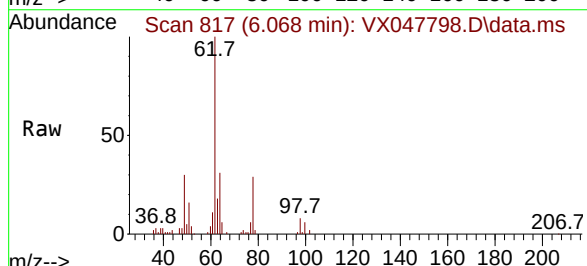
Acq: 25 Sep 2025 10:13

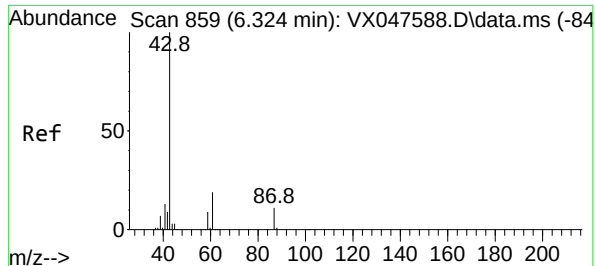
Tgt Ion: 62 Resp: 59188

Ion Ratio Lower Upper

62 100

98 9.1 0.0 17.0





#43

Isopropyl Acetate

Concen: 19.936 ug/l

RT: 6.318 min Scan# 859

Delta R.T. -0.006 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

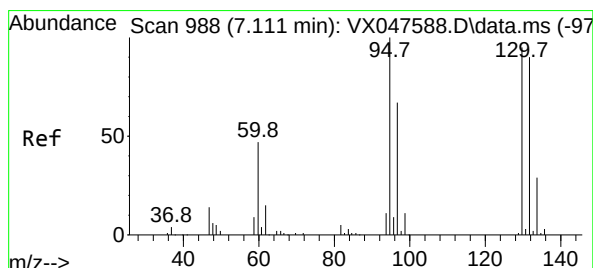
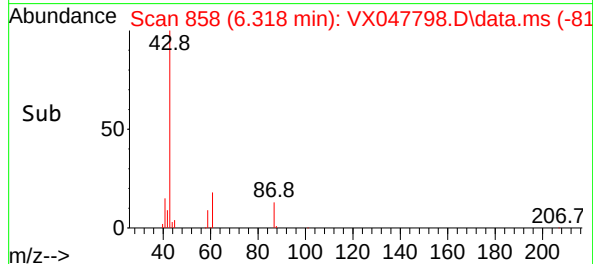
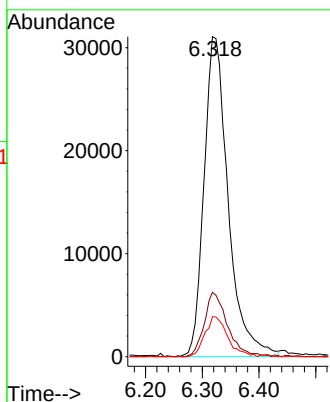
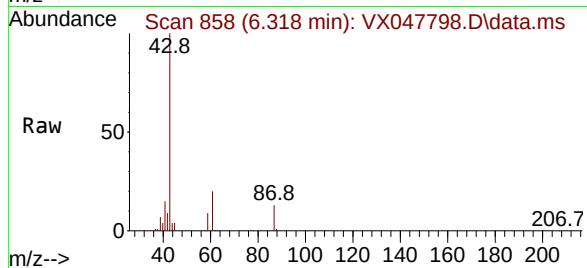
VX0925WBS01

Tgt Ion:	43	Resp:	92154
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	11.7	9.6	14.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#44

Trichloroethene

Concen: 19.662 ug/l

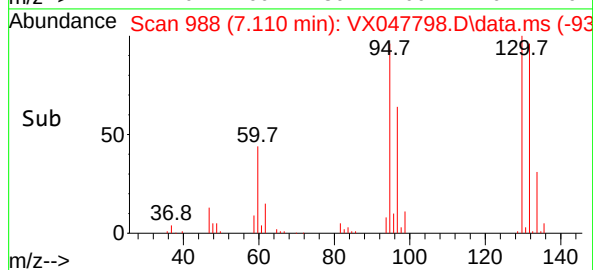
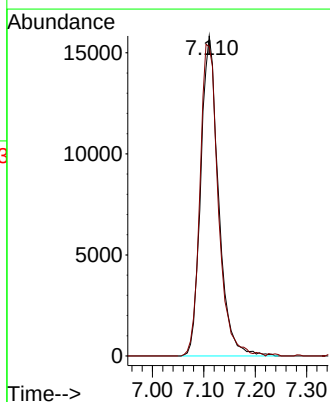
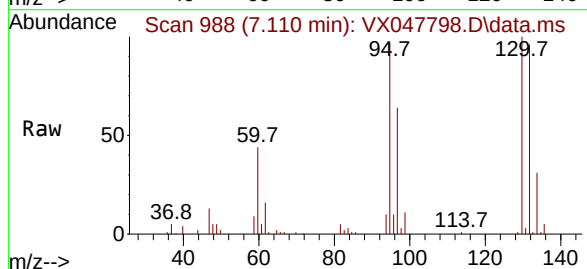
RT: 7.110 min Scan# 988

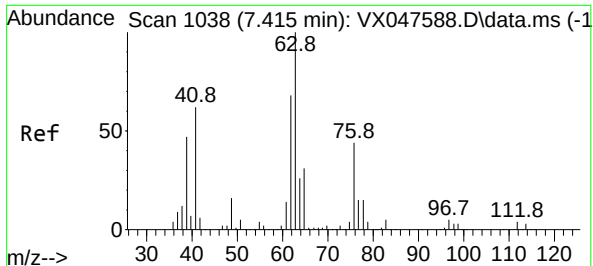
Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Tgt Ion:	130	Resp:	38005
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	210.8





#45

1,2-Dichloropropane

Concen: 20.111 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

Tgt Ion: 63 Resp: 41172

Ion Ratio Lower Upper

63 100

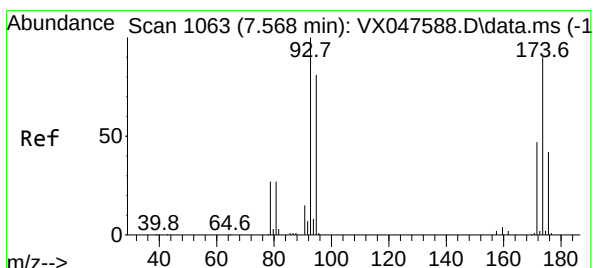
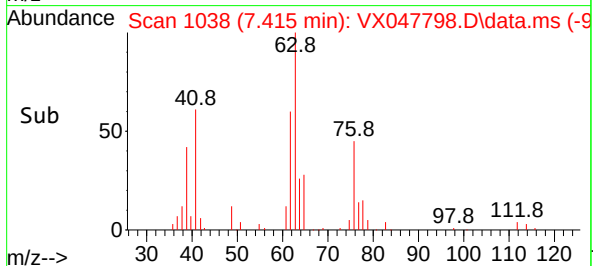
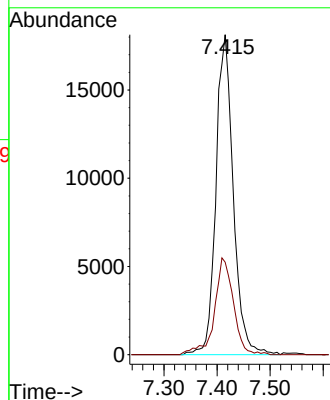
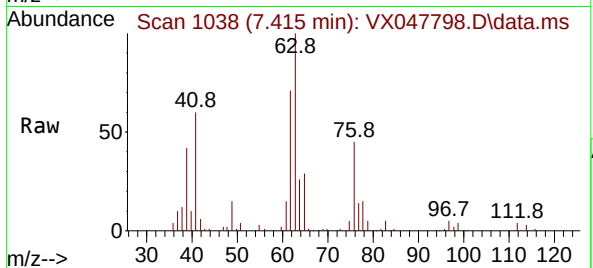
65 28.9 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#46

Dibromomethane

Concen: 20.053 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

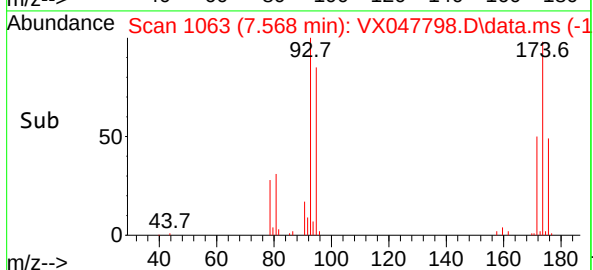
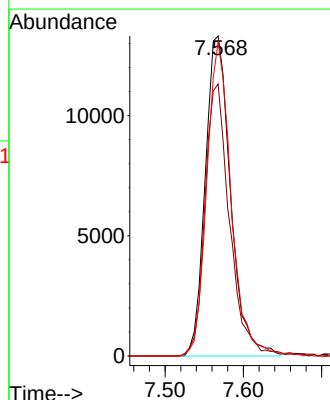
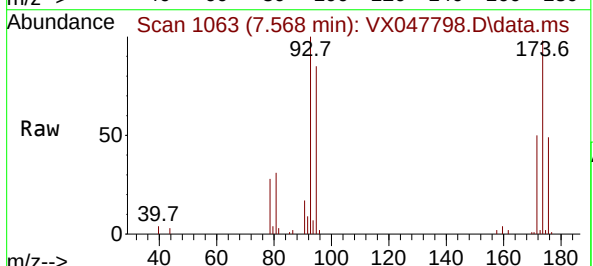
Tgt Ion: 93 Resp: 29874

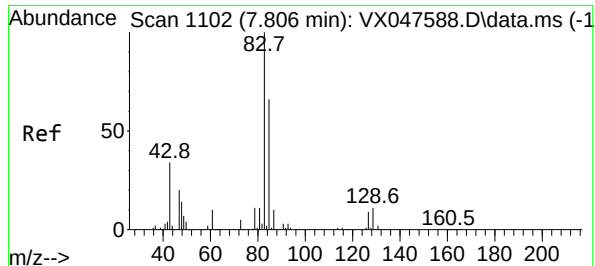
Ion Ratio Lower Upper

93 100

95 82.9 65.0 97.6

174 94.3 71.6 107.4





#47

Bromodichloromethane

Concen: 19.481 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

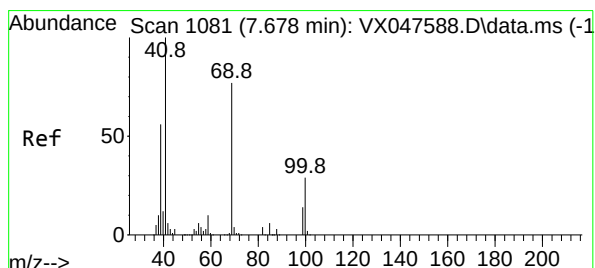
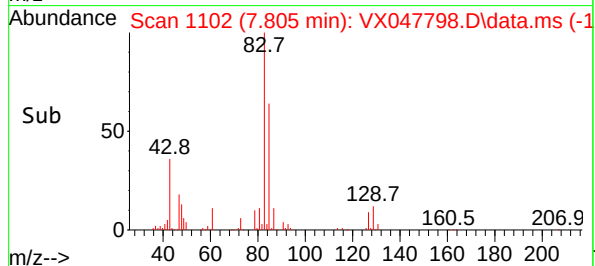
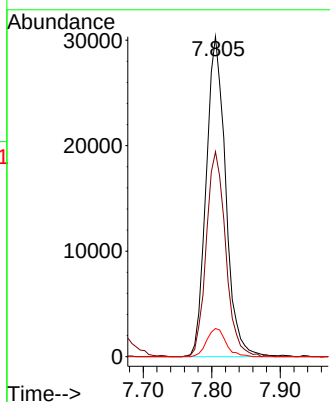
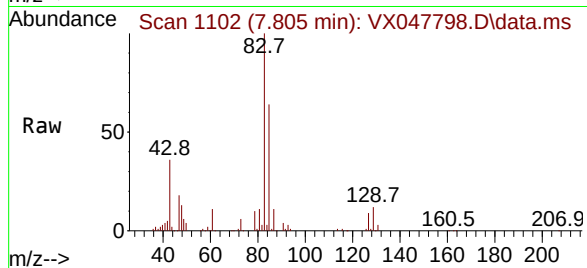
VX0925WBS01

Tgt Ion:	83	Resp:	5988
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.5	78.7
127	8.8	6.9	10.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#48

Methyl methacrylate

Concen: 19.308 ug/l

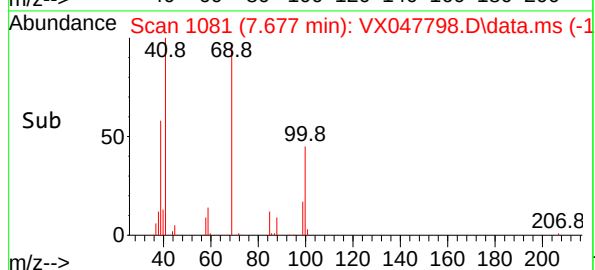
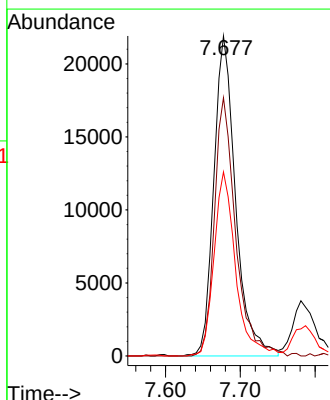
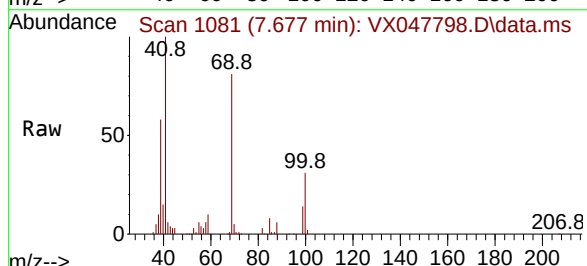
RT: 7.677 min Scan# 1081

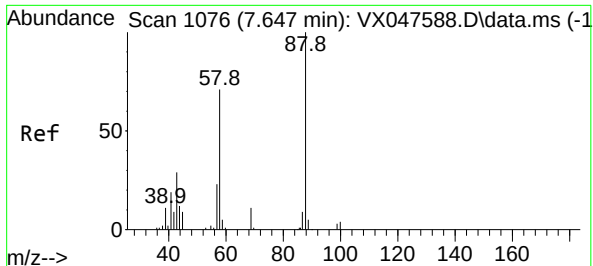
Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Tgt Ion:	41	Resp:	44455
Ion	Ratio	Lower	Upper
41	100		
69	78.7	61.4	92.2
39	57.1	45.8	68.6





#49

1,4-Dioxane

Concen: 475.570 ug/l

RT: 7.653 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

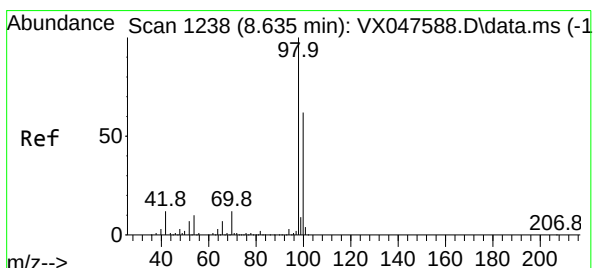
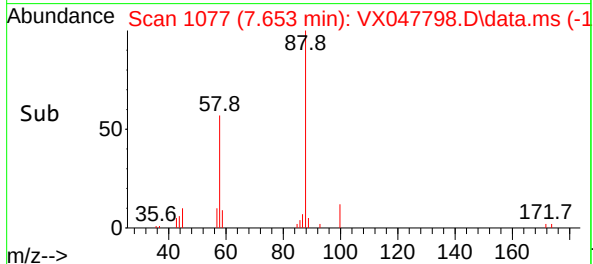
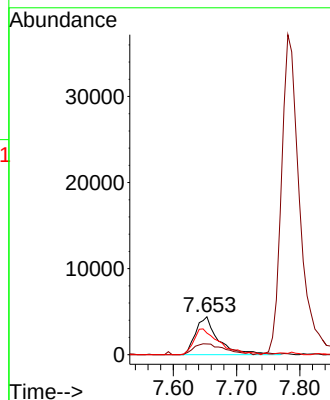
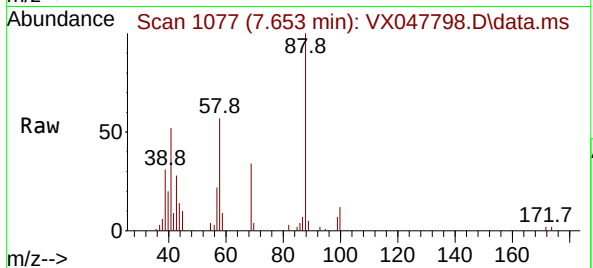
VX0925WBS01

Tgt Ion:	88	Resp:	1106
Ion	Ratio	Lower	Upper
88	100		
43	38.8	30.2	45.2
58	75.4	59.5	89.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#50

Toluene-d8

Concen: 50.167 ug/l

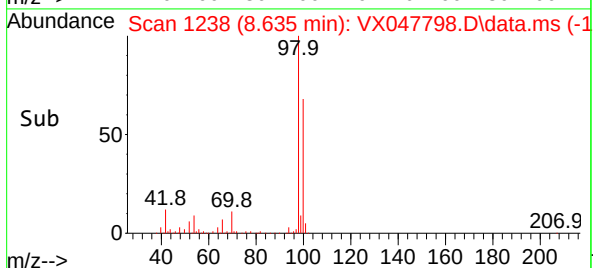
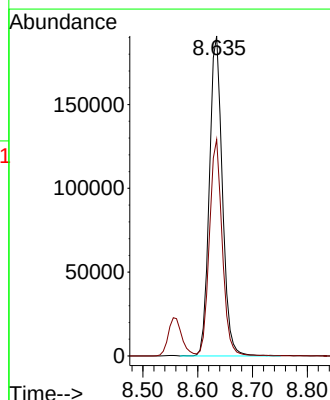
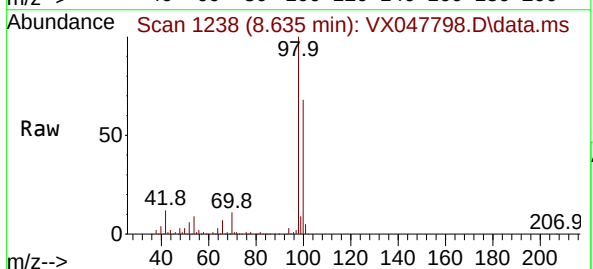
RT: 8.635 min Scan# 1238

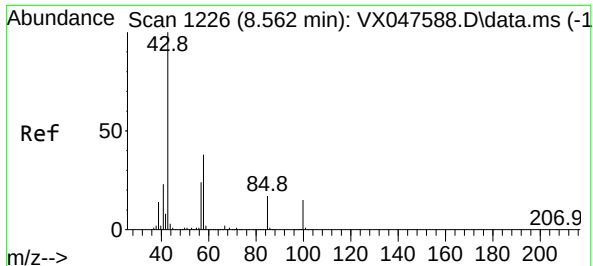
Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

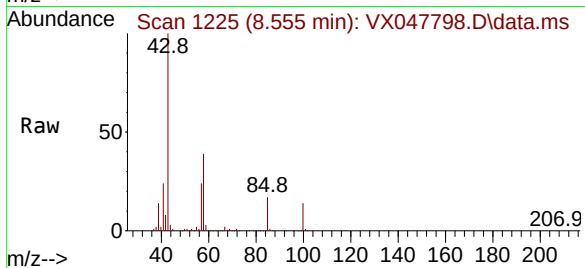
Tgt Ion:	98	Resp:	312702
Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 110.466 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

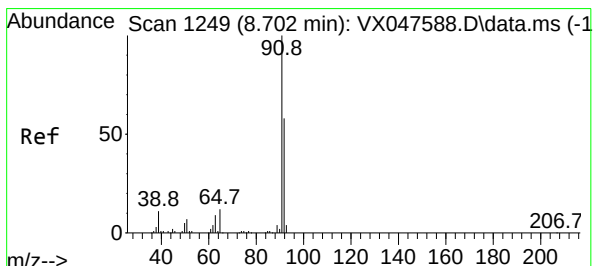
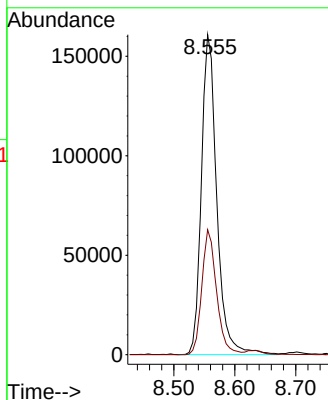
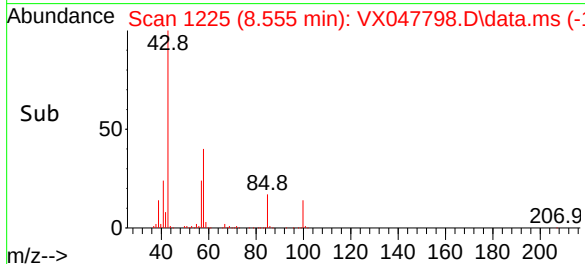
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01



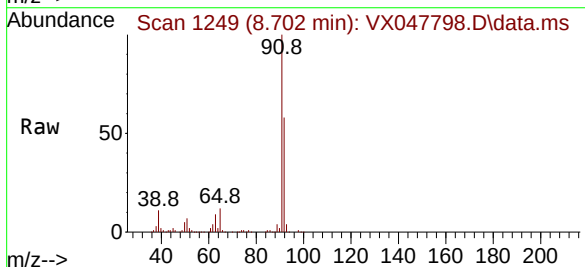
Tgt Ion: 43 Resp: 283110
Ion Ratio Lower Upper
43 100
58 37.3 30.3 45.5

Manual Integrations
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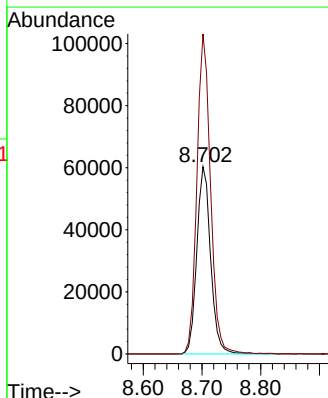
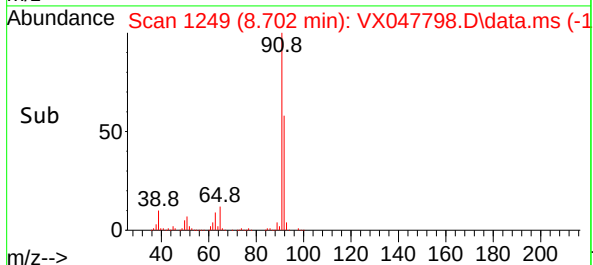
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

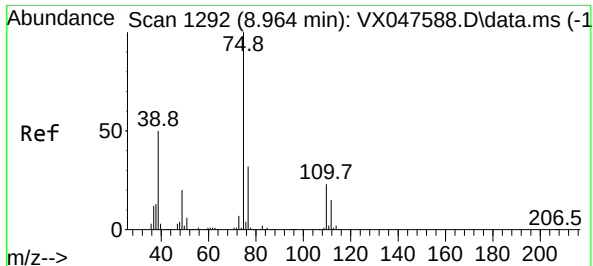


#52
Toluene
Concen: 19.965 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13



Tgt Ion: 92 Resp: 98340
Ion Ratio Lower Upper
92 100
91 168.2 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 18.891 ug/l

RT: 8.964 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

Tgt Ion: 75 Resp: 59230

Ion Ratio Lower Upper

75 100

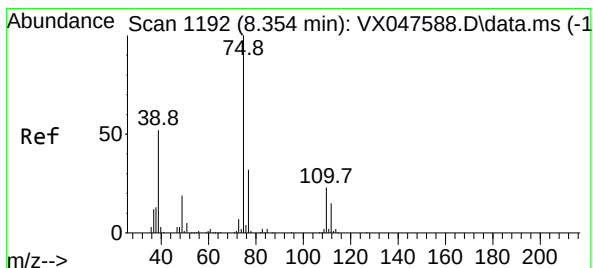
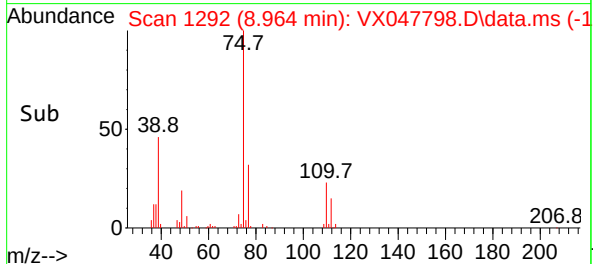
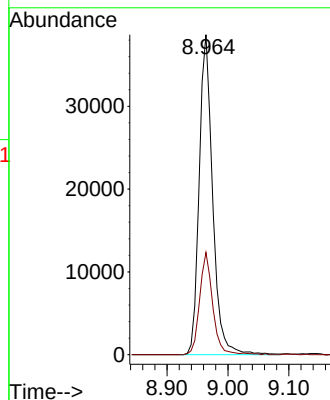
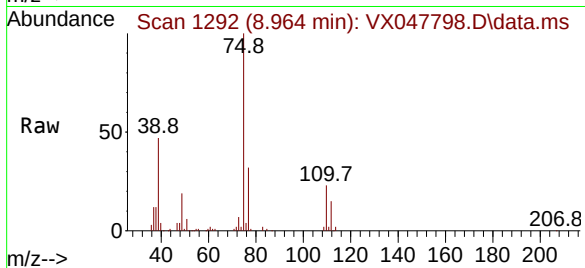
77 32.0 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#54

cis-1,3-Dichloropropene

Concen: 19.330 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

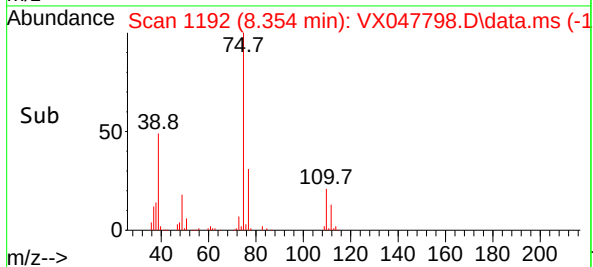
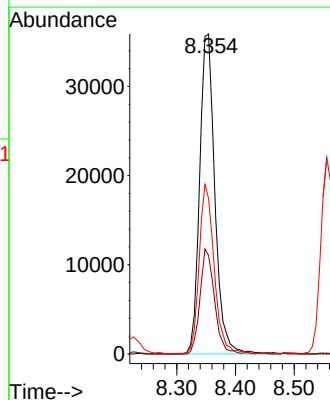
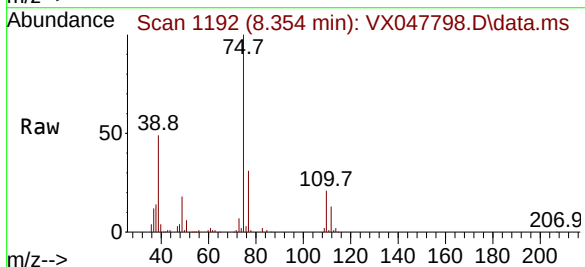
Tgt Ion: 75 Resp: 64785

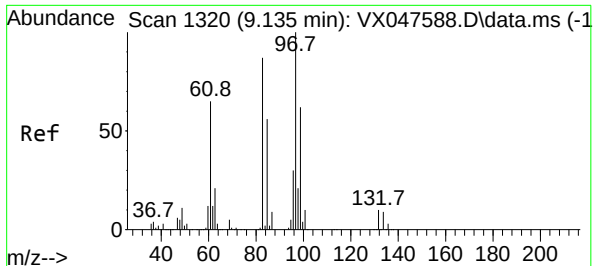
Ion Ratio Lower Upper

75 100

77 30.8 25.8 38.6

39 48.4 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 20.990 ug/l

RT: 9.134 min Scan# 1320

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

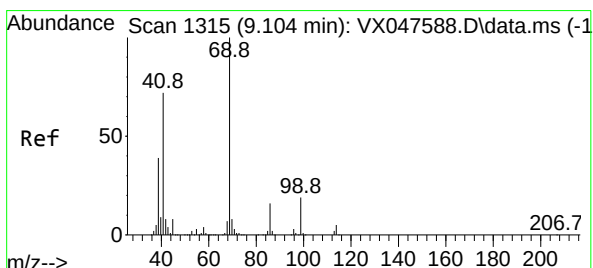
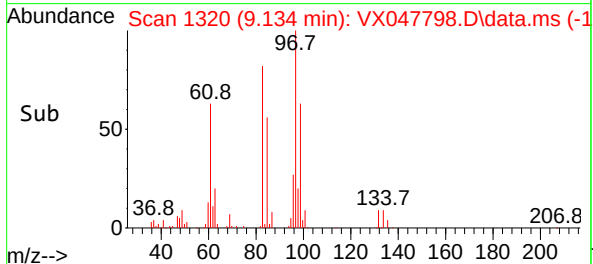
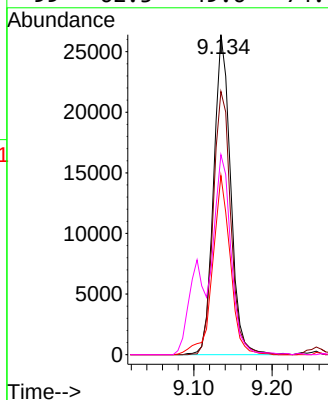
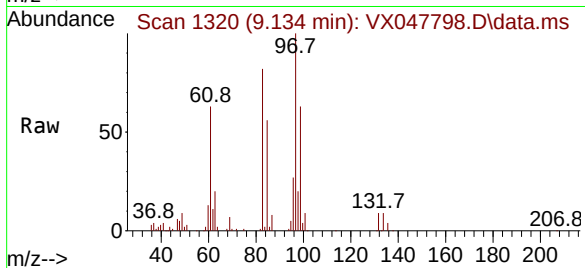
VX0925WBS01

Tgt Ion:	97	Resp:	3986
Ion	Ratio	Lower	Upper
97	100		
83	82.2	69.6	104.4
85	56.0	45.0	67.6
99	62.3	49.6	74.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#56

Ethyl methacrylate

Concen: 20.104 ug/l

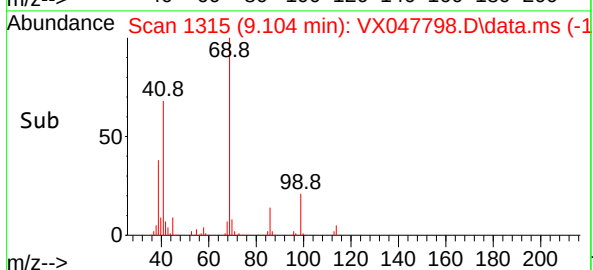
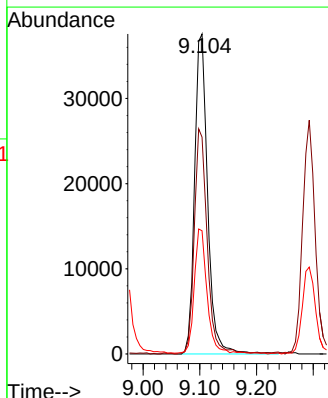
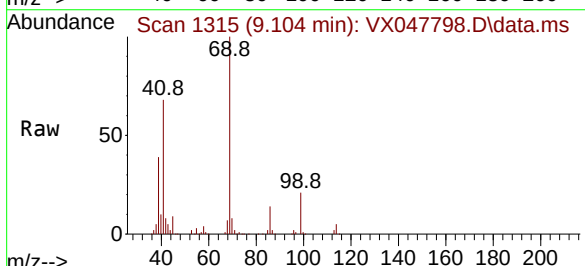
RT: 9.104 min Scan# 1315

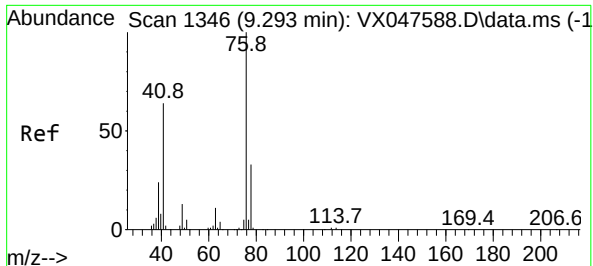
Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Tgt Ion:	69	Resp:	59966
Ion	Ratio	Lower	Upper
69	100		
41	69.7	58.6	87.8
39	39.2	31.5	47.3





#57

1,3-Dichloropropane

Concen: 20.730 ug/l

RT: 9.293 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

Tgt Ion: 76 Resp: 67634

Ion Ratio Lower Upper

76 100

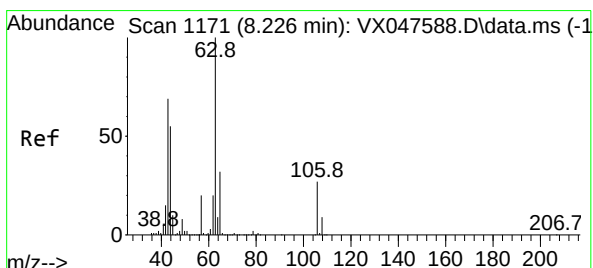
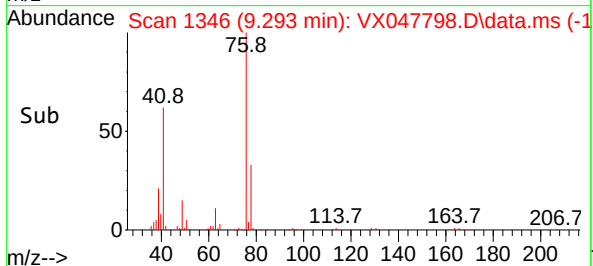
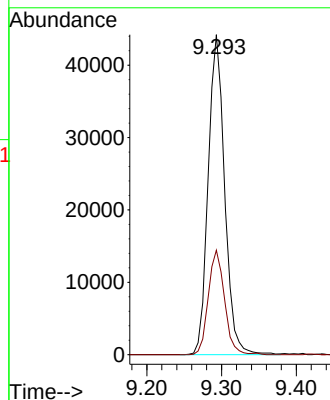
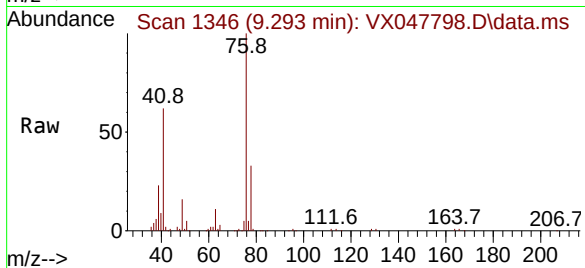
78 32.2 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#58

2-Chloroethyl Vinyl ether

Concen: 108.334 ug/l

RT: 8.226 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VX047798.D

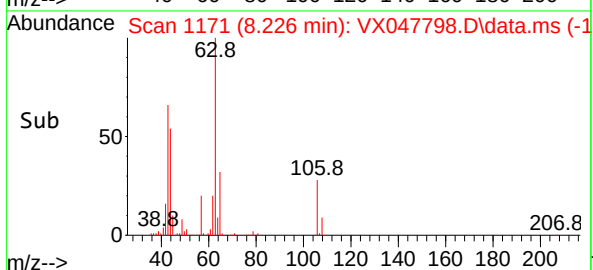
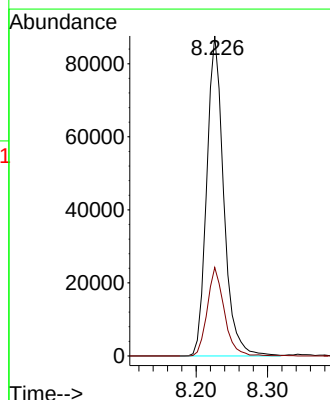
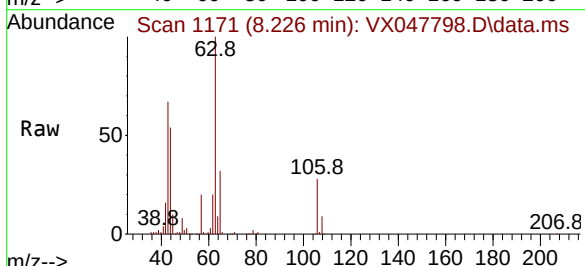
Acq: 25 Sep 2025 10:13

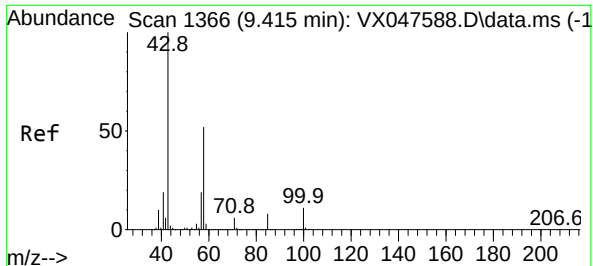
Tgt Ion: 63 Resp: 144584

Ion Ratio Lower Upper

63 100

106 27.7 21.9 32.9





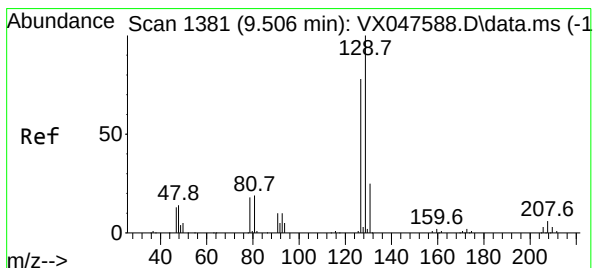
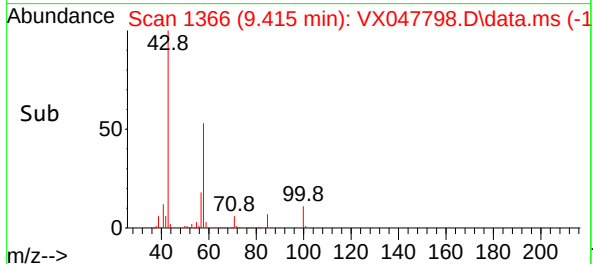
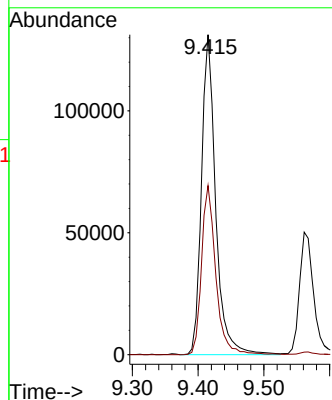
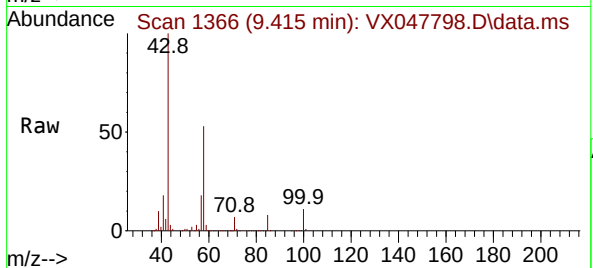
#59
2-Hexanone
Concen: 107.038 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

Tgt Ion: 43 Resp: 19702
Ion Ratio Lower Upper
43 100
58 52.9 26.1 78.2

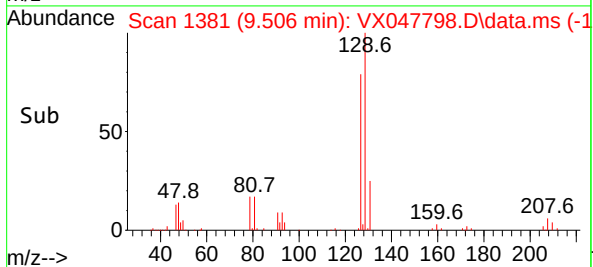
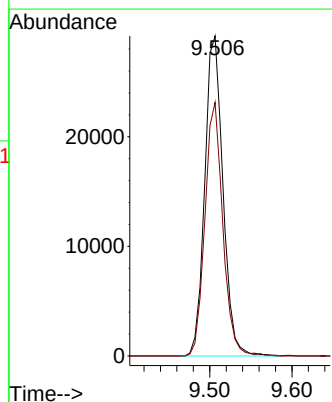
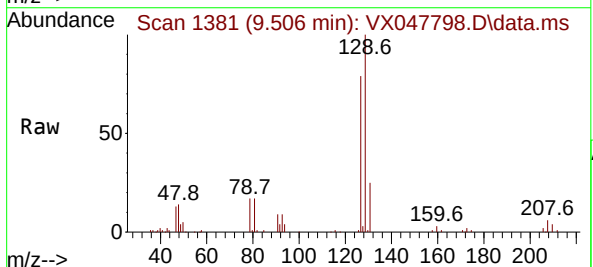
Manual Integrations
APPROVED

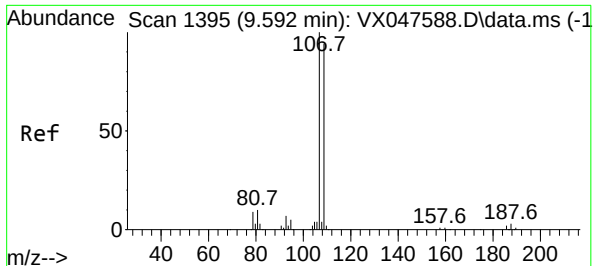
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#60
Dibromochloromethane
Concen: 20.506 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

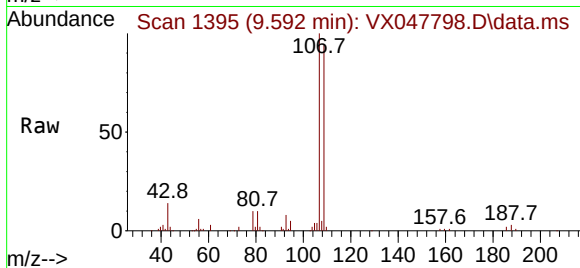
Tgt Ion:129 Resp: 44875
Ion Ratio Lower Upper
129 100
127 77.9 38.4 115.2





#61
1,2-Dibromoethane
Concen: 20.839 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

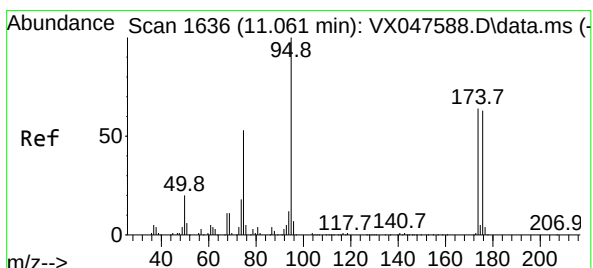
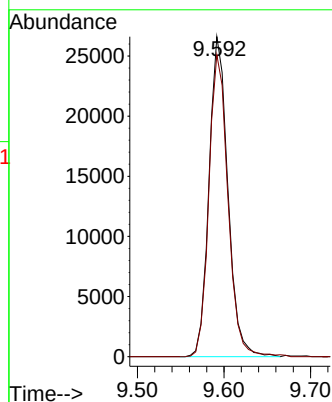
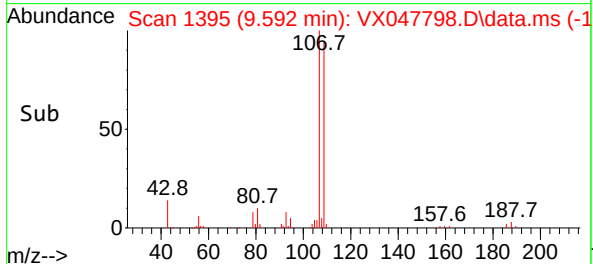
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01



Tgt Ion: 107 Resp: 40314
Ion Ratio Lower Upper
107 100
109 95.4 75.3 112.9

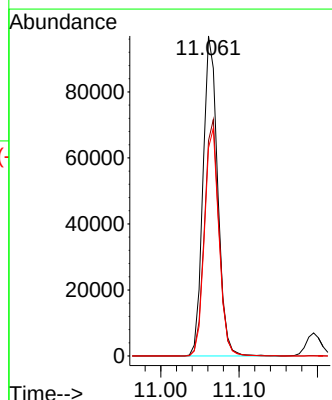
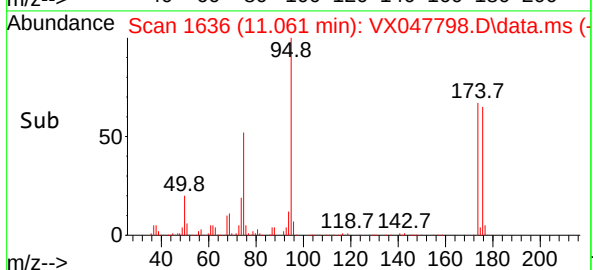
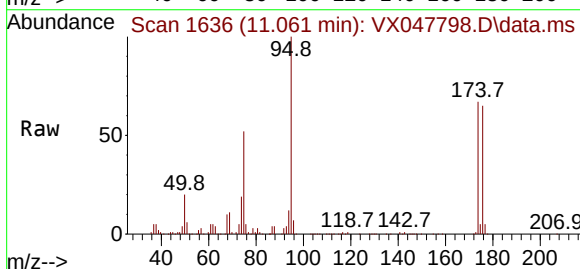
Manual Integrations
APPROVED

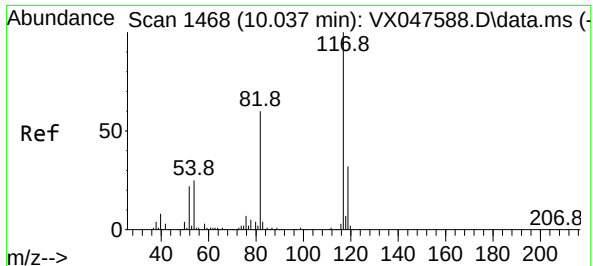
Reviewed By : John Carlone 09/26/2025
Supervised By : Mahesh Dadoda 09/29/2025



#62
4-Bromofluorobenzene
Concen: 53.101 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

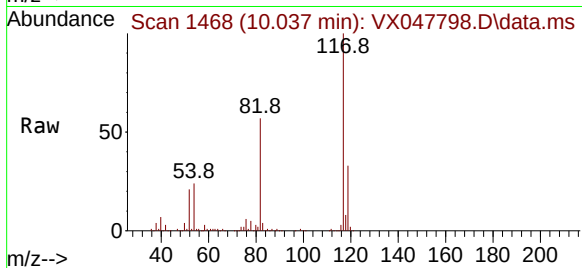
Tgt Ion: 95 Resp: 125617
Ion Ratio Lower Upper
95 100
174 73.6 0.0 141.6
176 70.5 0.0 138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

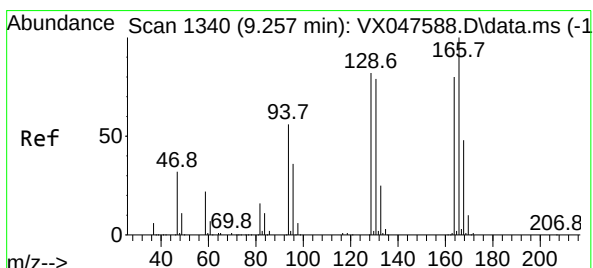
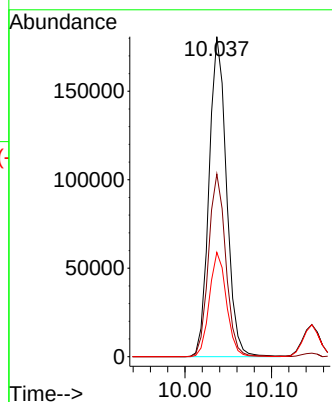
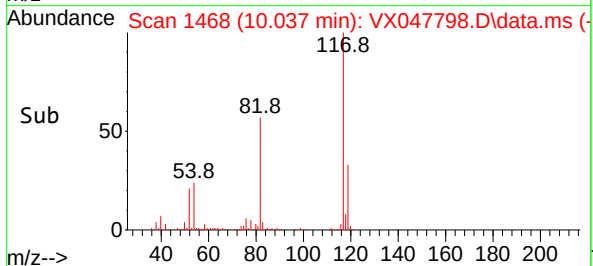
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01



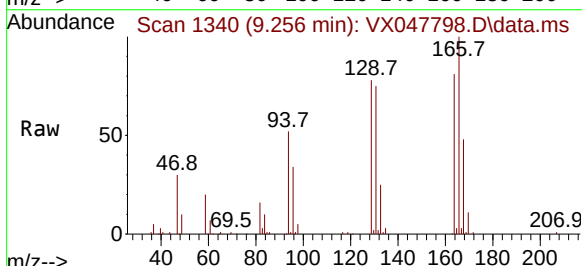
Tgt Ion:117 Resp: 25251
Ion Ratio Lower Upper
117 100
82 57.1 47.8 71.6
119 32.6 25.2 37.8

Manual Integrations
APPROVED

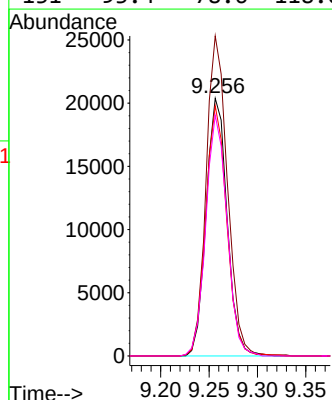
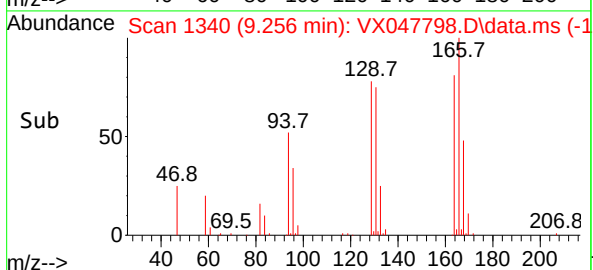
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

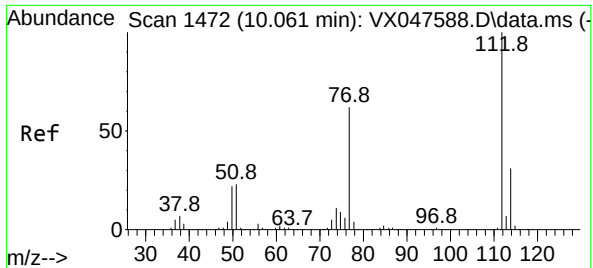


#64
Tetrachloroethene
Concen: 18.700 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13



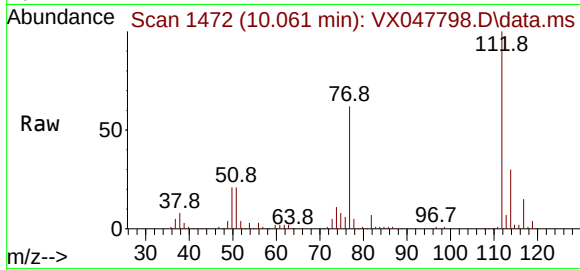
Tgt Ion:164 Resp: 30782
Ion Ratio Lower Upper
164 100
166 124.2 100.2 150.2
129 97.1 81.8 122.6
131 93.4 78.6 118.0





#65
Chlorobenzene
Concen: 18.961 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

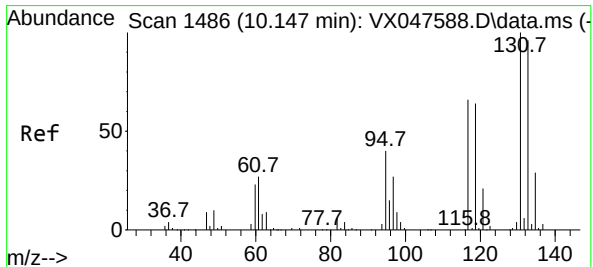
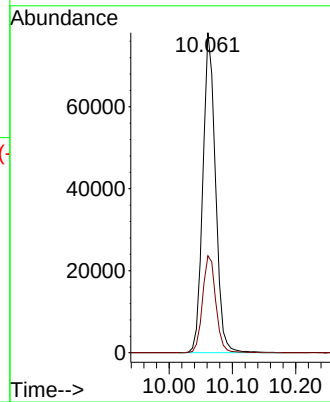
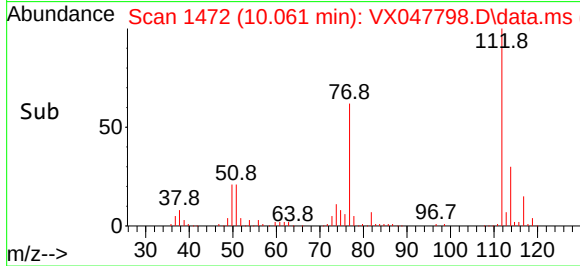
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01



Tgt Ion:112 Resp: 10877
Ion Ratio Lower Upper
112 100
114 30.3 25.1 37.7

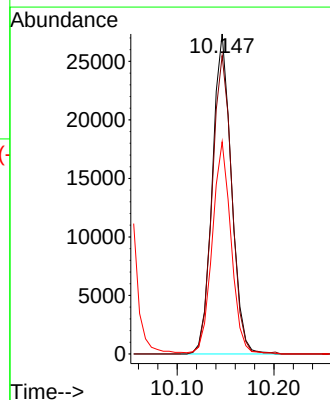
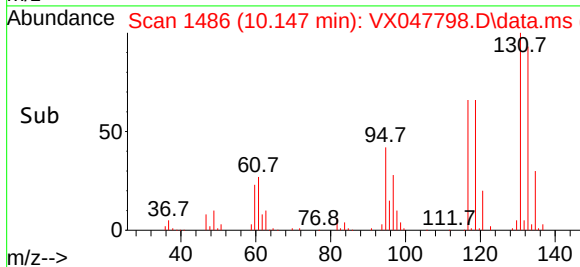
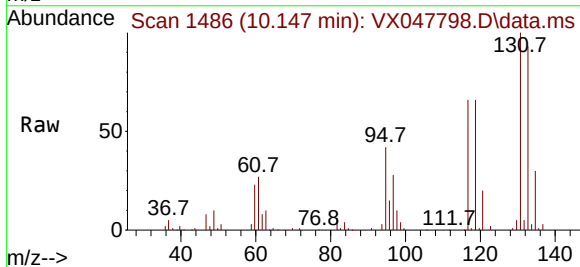
Manual Integrations
APPROVED

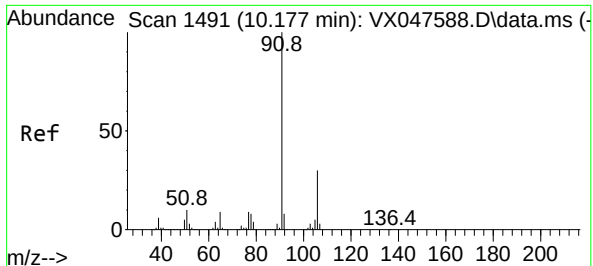
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 18.953 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion:131 Resp: 37519
Ion Ratio Lower Upper
131 100
133 95.7 47.3 142.0
119 65.3 32.0 96.0





#67

Ethyl Benzene

Concen: 18.084 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

Tgt Ion: 91 Resp: 178998

Ion Ratio Lower Upper

91 100

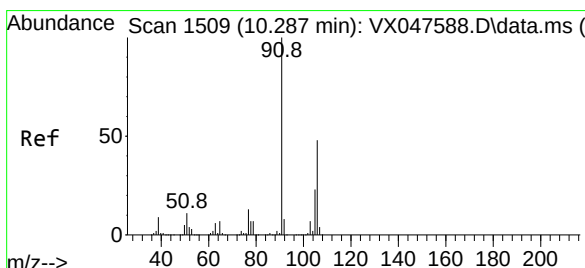
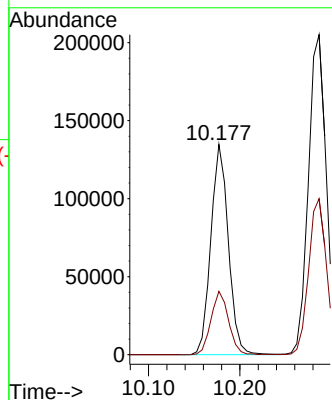
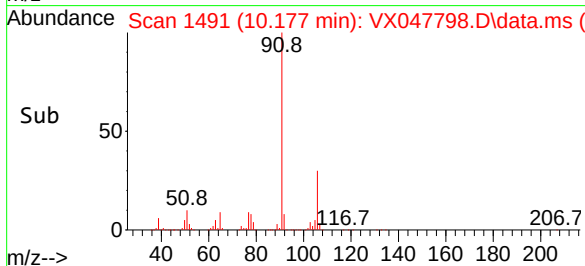
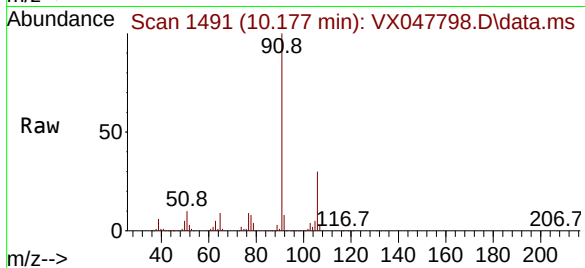
106 30.1 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#68

m/p-Xylenes

Concen: 37.567 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX047798.D

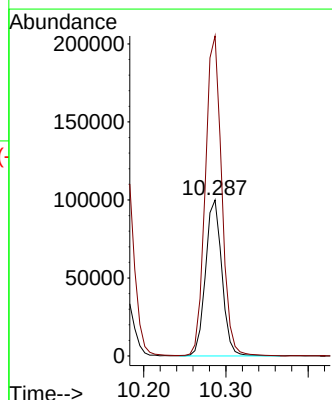
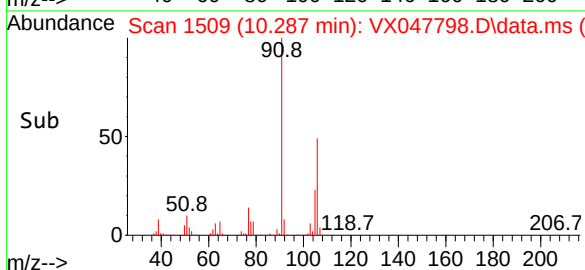
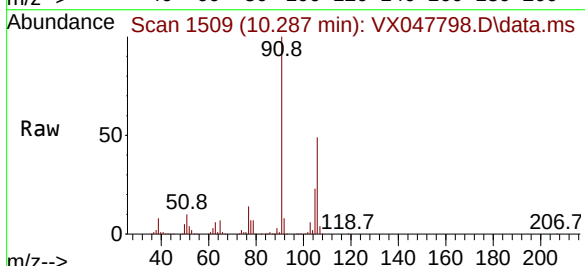
Acq: 25 Sep 2025 10:13

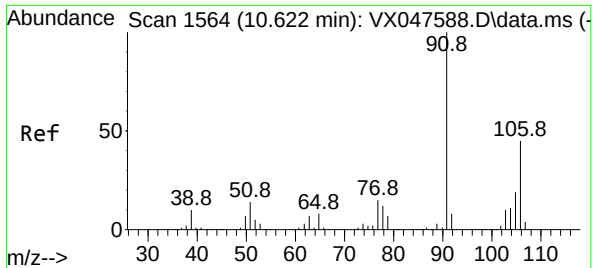
Tgt Ion:106 Resp: 138405

Ion Ratio Lower Upper

106 100

91 205.9 167.8 251.8





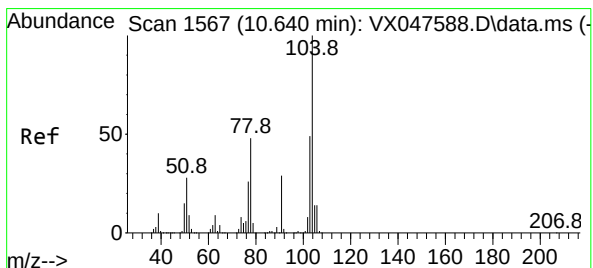
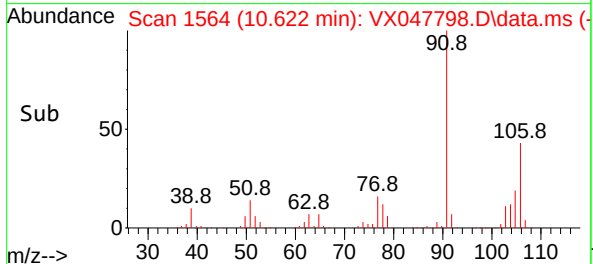
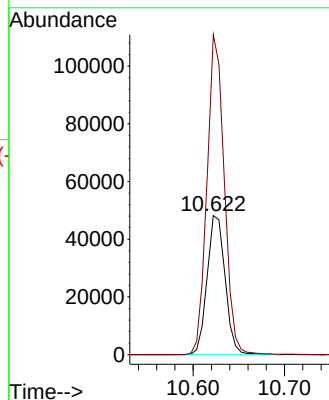
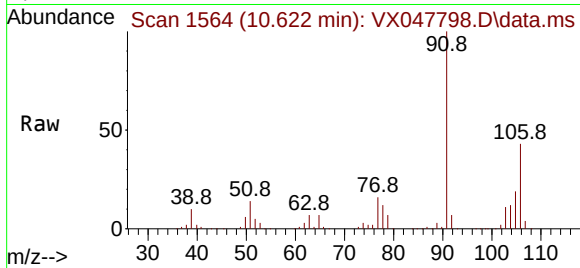
#69
o-Xylene
Concen: 18.496 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

Tgt Ion:106 Resp: 65909
Ion Ratio Lower Upper
106 100
91 221.7 111.1 333.4

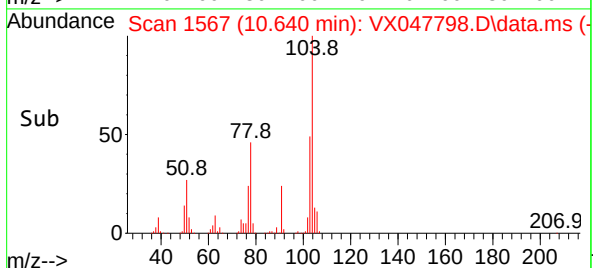
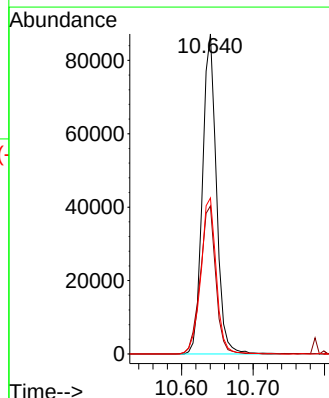
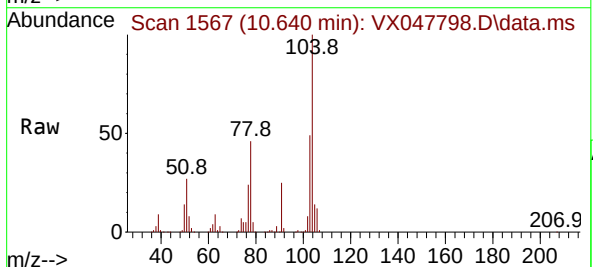
Manual Integrations
APPROVED

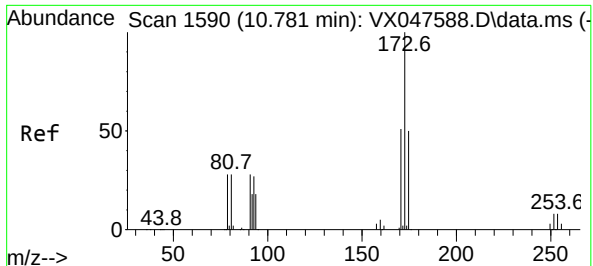
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#70
Styrene
Concen: 18.926 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

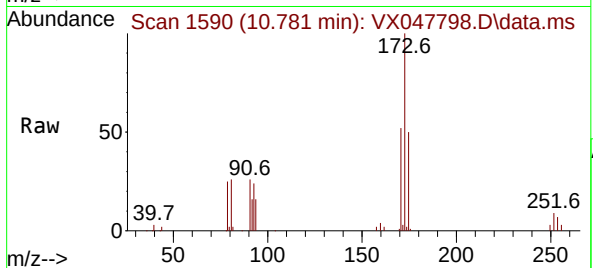
Tgt Ion:104 Resp: 118170
Ion Ratio Lower Upper
104 100
78 51.5 43.1 64.7
103 53.7 43.1 64.7





#71
Bromoform
Concen: 19.553 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

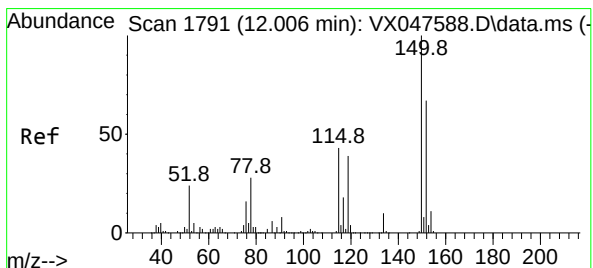
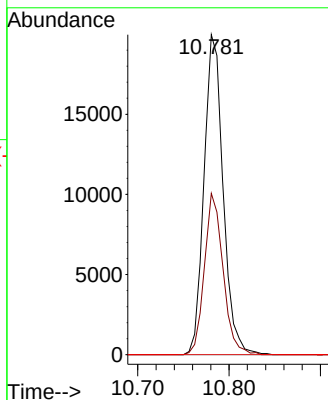
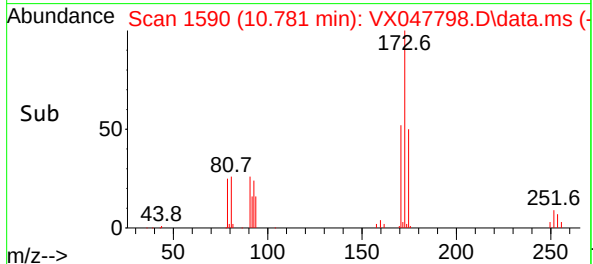
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01



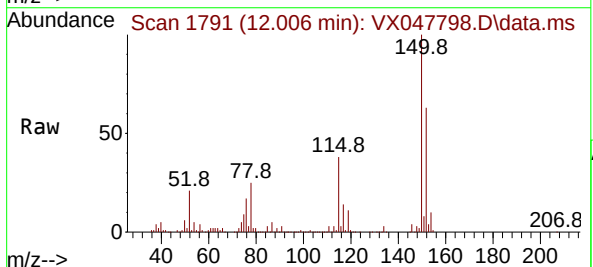
Tgt Ion:173 Resp: 2890
Ion Ratio Lower Upper
173 100
175 49.3 24.9 74.6
254 0.0 0.1 0.1

Manual Integrations
APPROVED

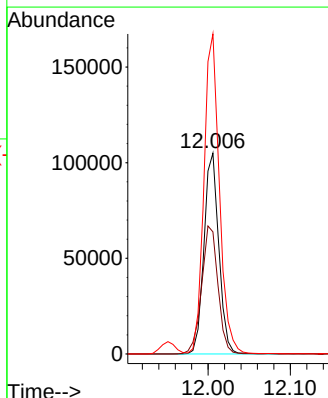
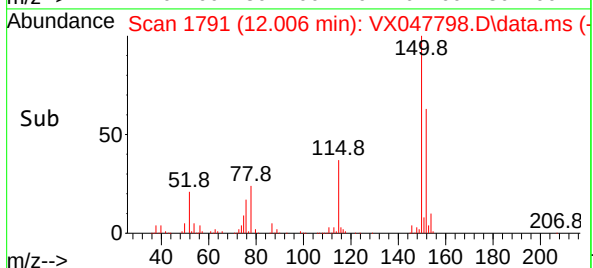
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

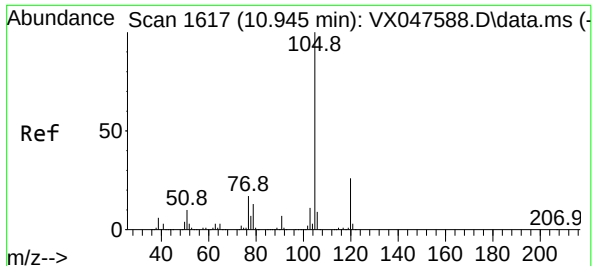


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13



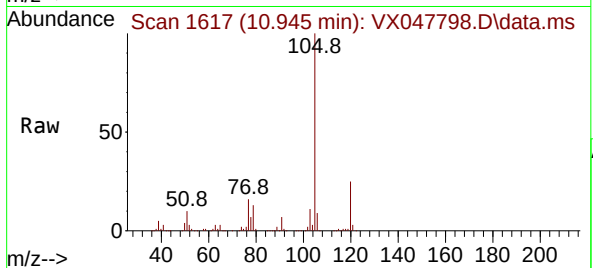
Tgt Ion:152 Resp: 131521
Ion Ratio Lower Upper
152 100
115 70.2 44.9 134.5
150 165.9 0.0 352.0





#73
Isopropylbenzene
Concen: 16.760 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

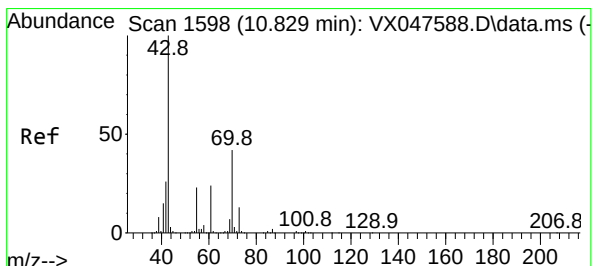
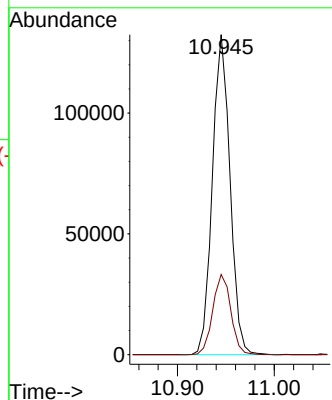
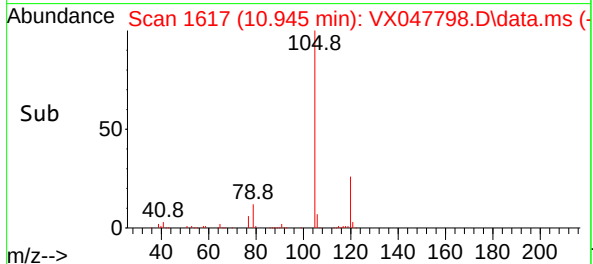
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01



Tgt Ion: 105 Resp: 167580
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.4

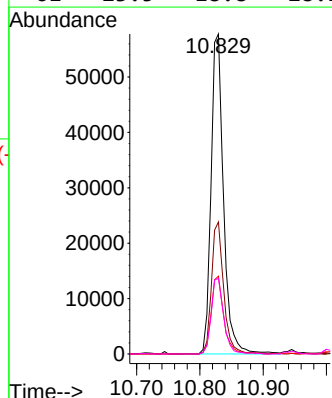
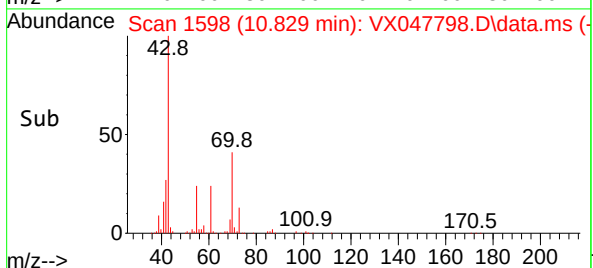
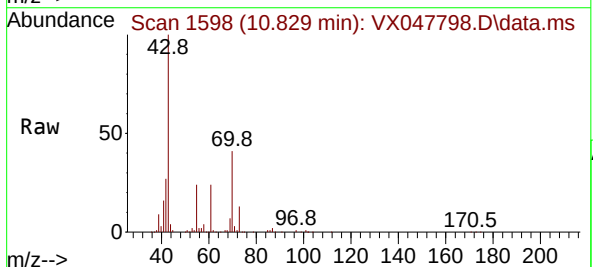
Manual Integrations
APPROVED

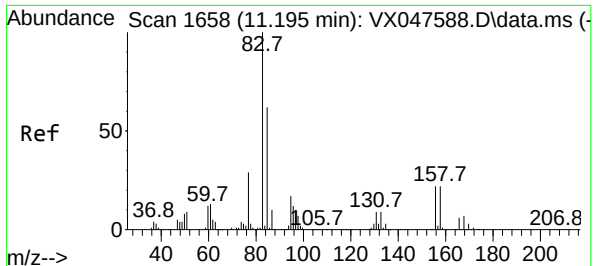
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#74
N-ethyl acetate
Concen: 17.416 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 43 Resp: 79411
Ion Ratio Lower Upper
43 100
70 40.4 32.0 48.0
55 24.5 18.9 28.3
61 23.5 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.935 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

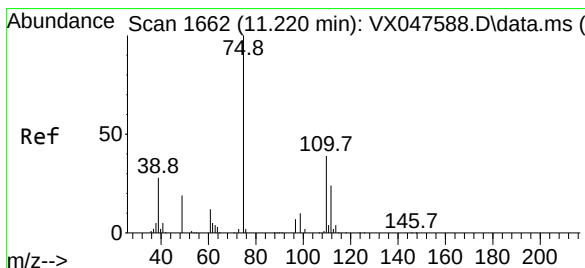
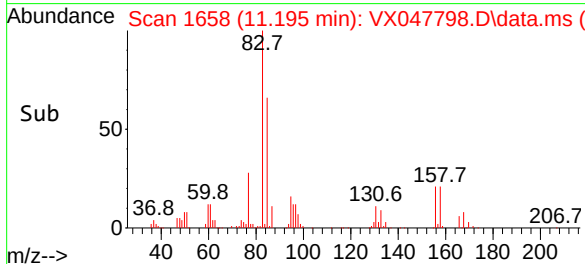
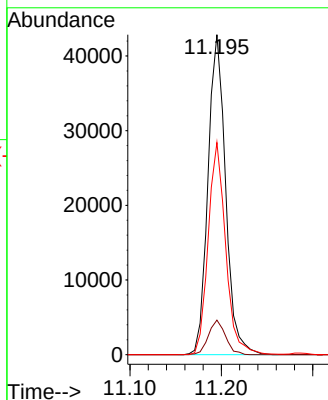
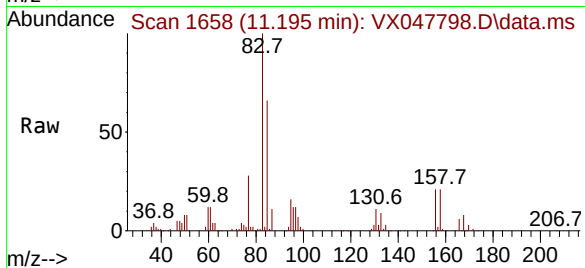
Tgt Ion:	83	Resp:	5728
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.0	14.9
85	65.8	31.6	95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#76

1,2,3-Trichloropropane

Concen: 16.752 ug/l m

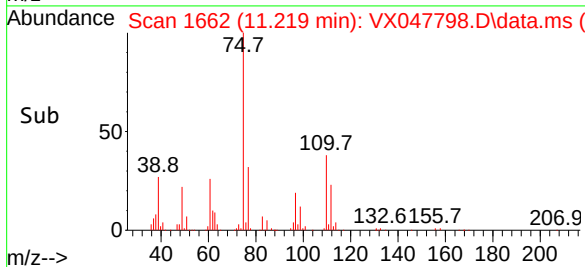
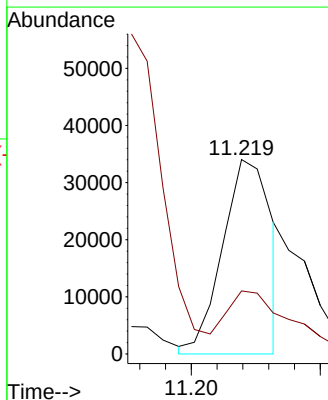
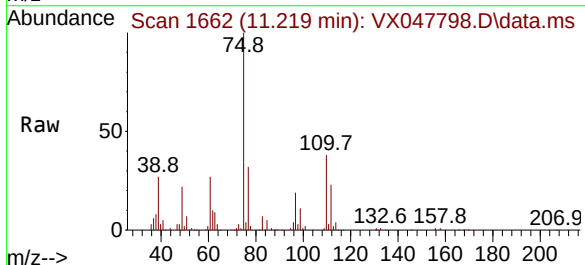
RT: 11.219 min Scan# 1662

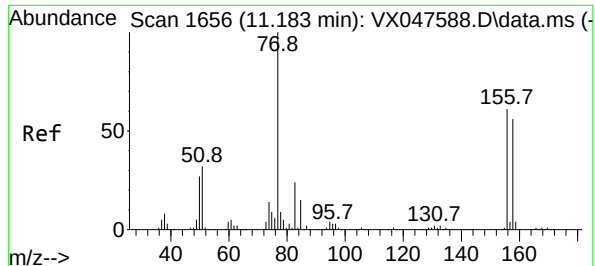
Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Tgt Ion:	75	Resp:	44609
Ion	Ratio	Lower	Upper
75	100		
77	42.6	18.8	56.4





#77

Bromobenzene

Concen: 17.518 ug/l

RT: 11.183 min Scan# 1656

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

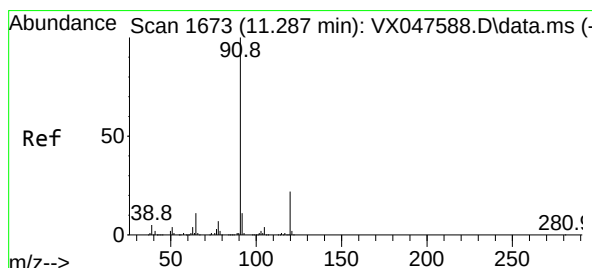
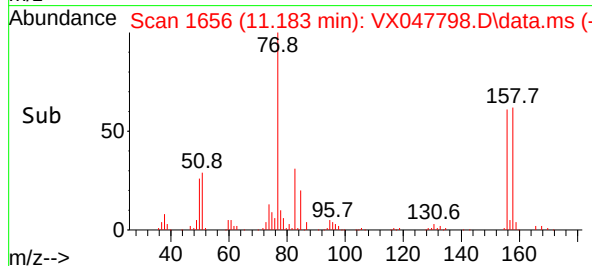
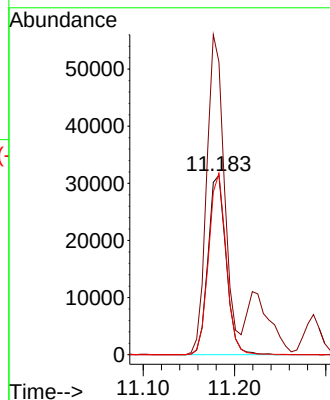
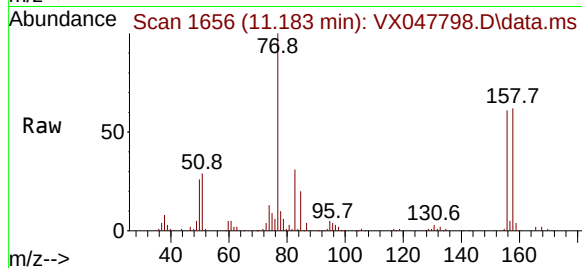
VX0925WBS01

Tgt Ion:	156	Resp:	4314
Ion Ratio	Lower	Upper	
156	100		
77	175.8	89.7	269.1
158	98.5	47.9	143.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#78

n-propylbenzene

Concen: 16.848 ug/l

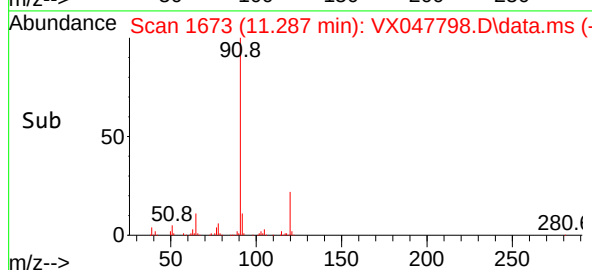
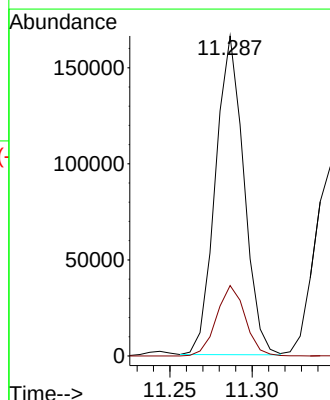
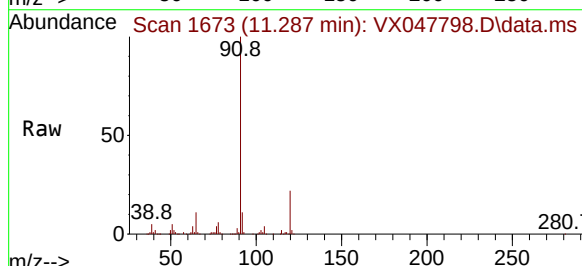
RT: 11.287 min Scan# 1673

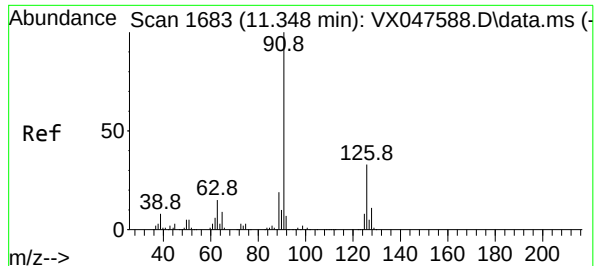
Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Tgt Ion:	91	Resp:	199146
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.1	33.1





#79

2-Chlorotoluene

Concen: 17.163 ug/l

RT: 11.348 min Scan# 1683

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

Tgt Ion: 91 Resp: 12425

Ion Ratio Lower Upper

91 100

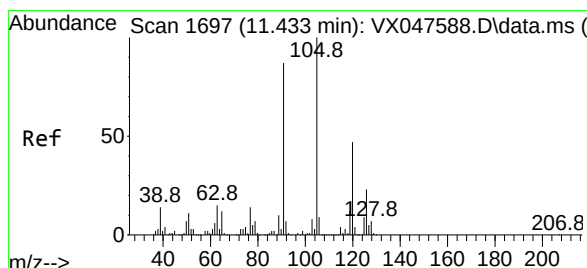
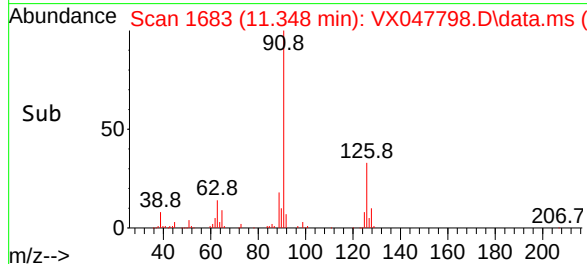
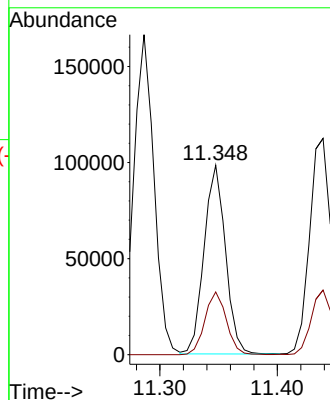
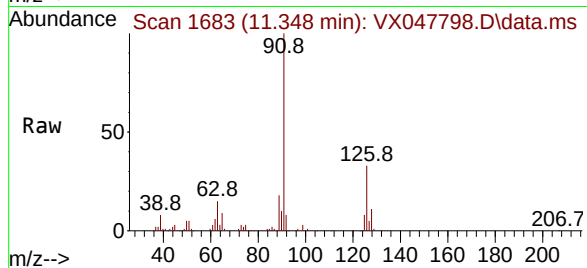
126 33.5 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#80

1,3,5-Trimethylbenzene

Concen: 16.963 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX047798.D

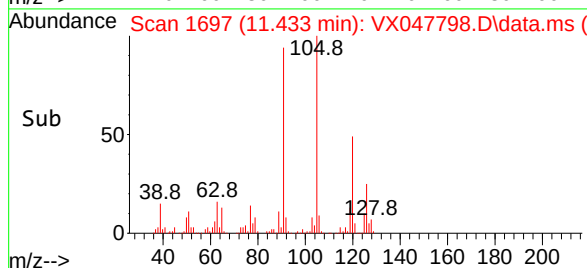
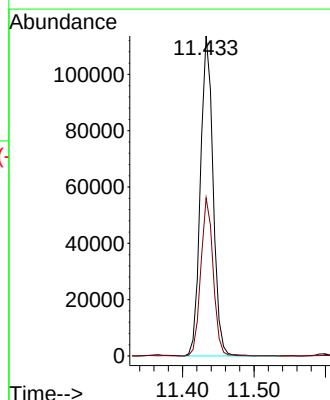
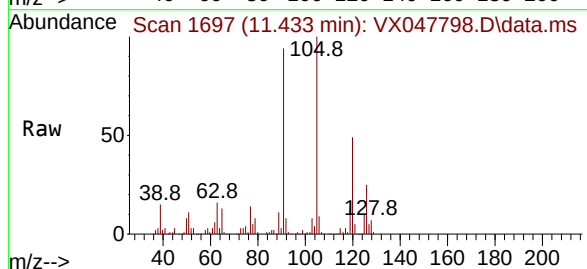
Acq: 25 Sep 2025 10:13

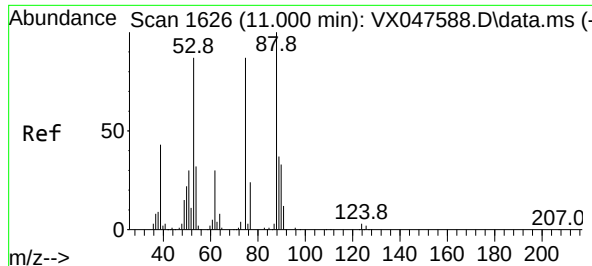
Tgt Ion:105 Resp: 139354

Ion Ratio Lower Upper

105 100

120 48.2 23.6 70.8





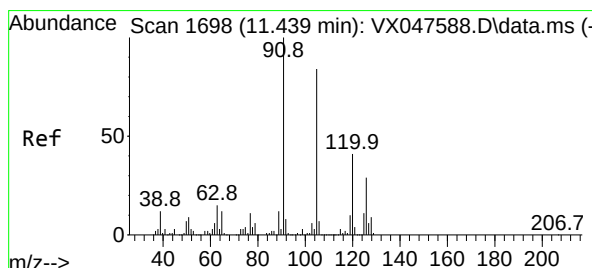
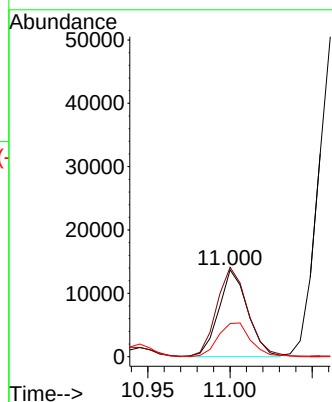
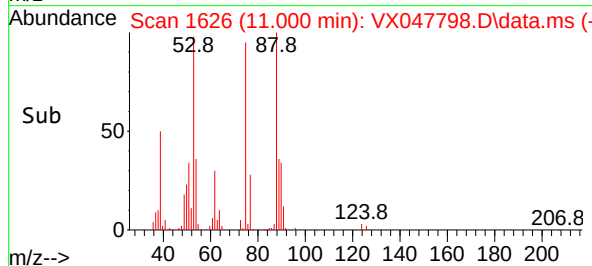
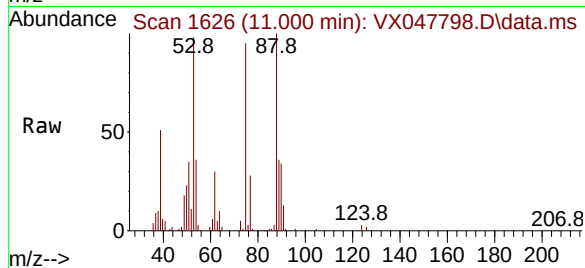
#81
trans-1,4-Dichloro-2-butene
Concen: 16.095 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

Tgt Ion:	75	Resp:	1680
Ion Ratio	Lower	Upper	
75	100		
53	110.2	83.4	125.2
89	43.5	36.3	54.5

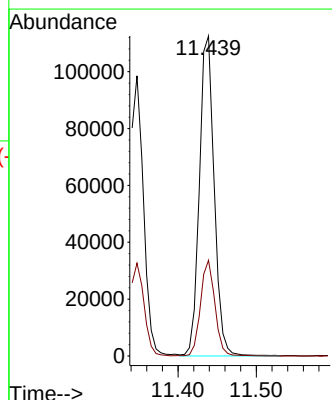
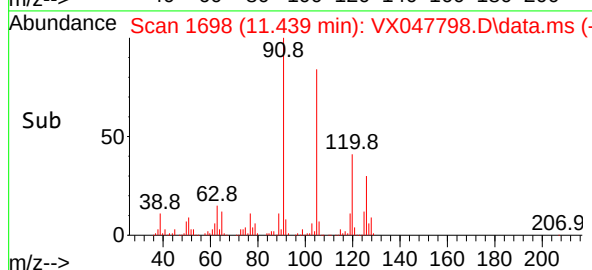
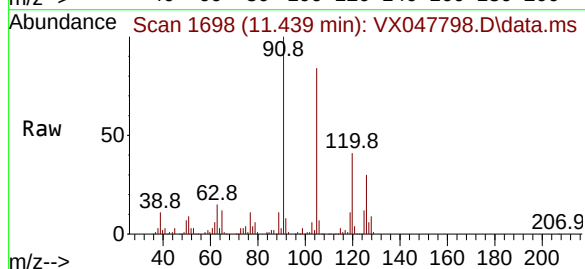
Manual Integrations
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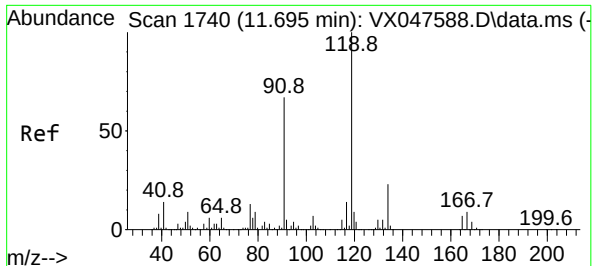
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#82
4-Chlorotoluene
Concen: 17.346 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion:	91	Resp:	148311
Ion Ratio	Lower	Upper	
91	100		
126	29.0	14.2	42.6





#83

tert-Butylbenzene

Concen: 16.747 ug/l

RT: 11.695 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

Tgt Ion:119 Resp: 140839

Ion Ratio Lower Upper

119 100

91 57.0 29.6 88.8

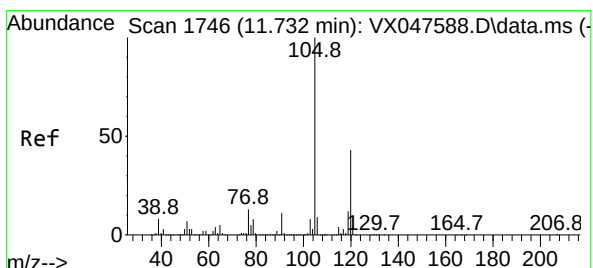
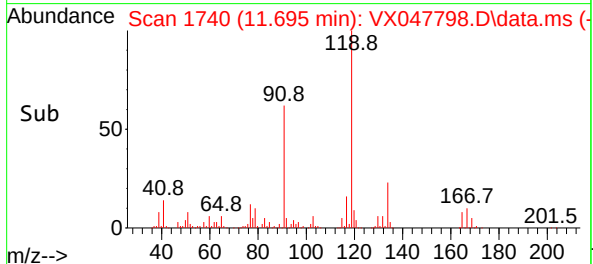
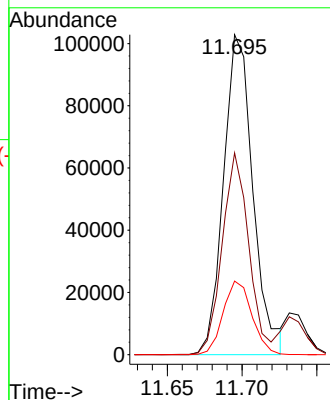
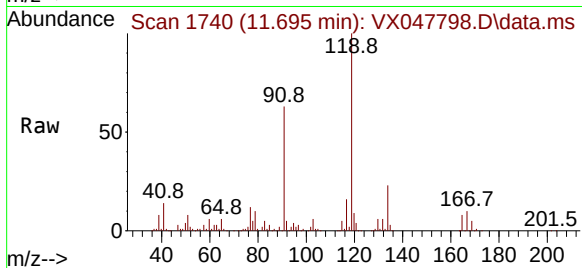
134 22.6 11.0 33.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#84

1,2,4-Trimethylbenzene

Concen: 17.128 ug/l

RT: 11.732 min Scan# 1746

Delta R.T. -0.000 min

Lab File: VX047798.D

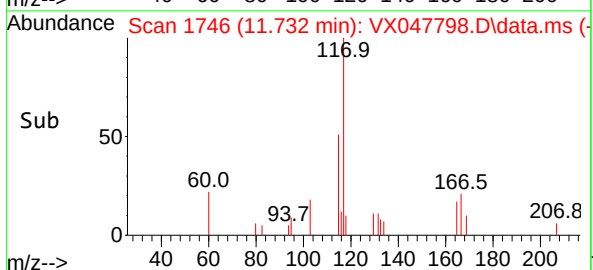
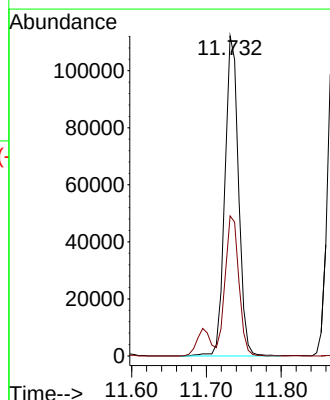
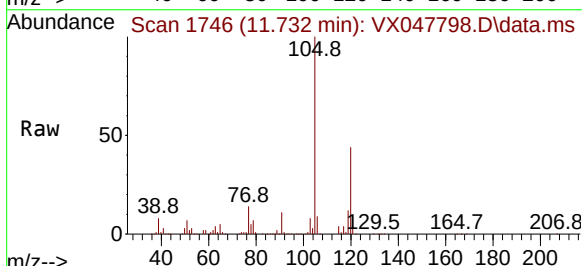
Acq: 25 Sep 2025 10:13

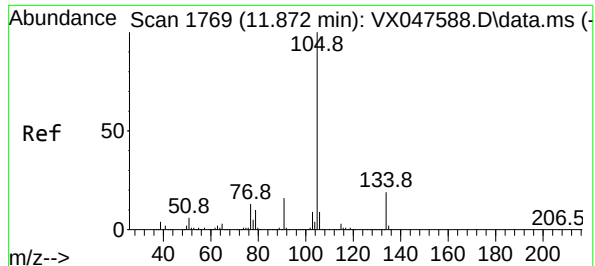
Tgt Ion:105 Resp: 142656

Ion Ratio Lower Upper

105 100

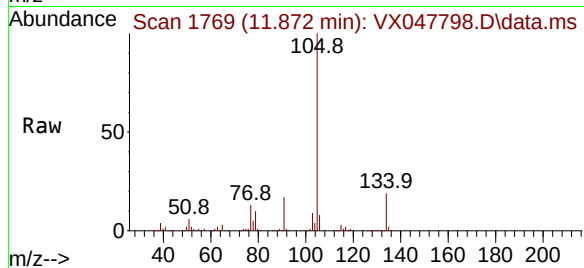
120 43.8 22.1 66.1





#85
sec-Butylbenzene
Concen: 16.912 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

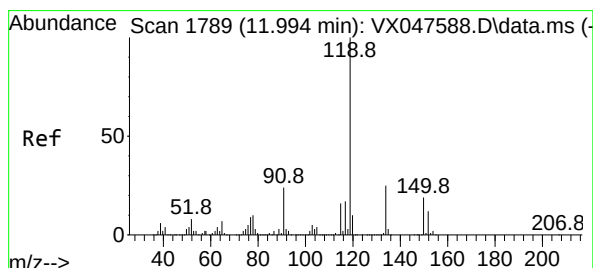
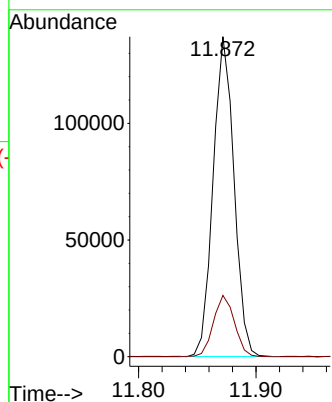
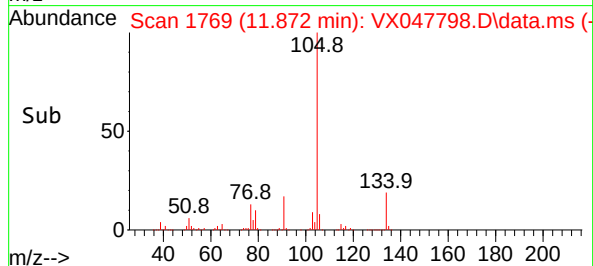
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01



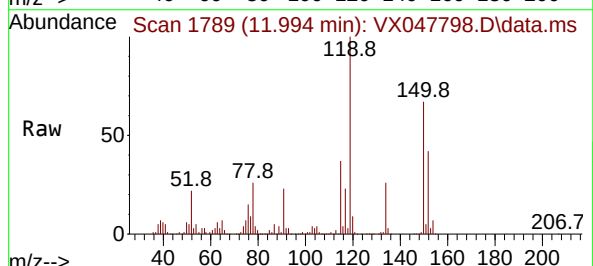
Tgt Ion:105 Resp: 168930
Ion Ratio Lower Upper
105 100
134 19.4 9.8 29.5

Manual Integrations
APPROVED

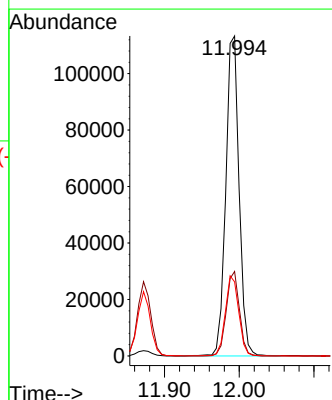
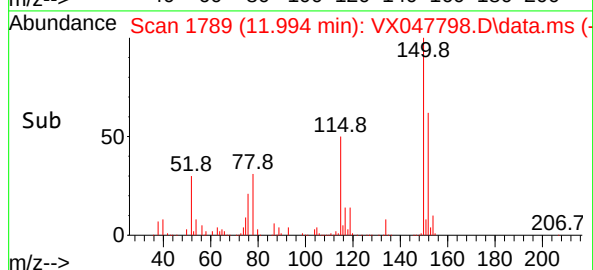
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

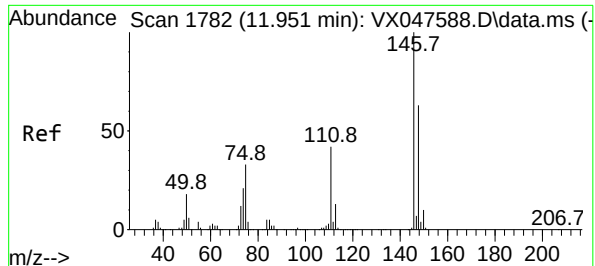


#86
p-Isopropyltoluene
Concen: 16.635 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13



Tgt Ion:119 Resp: 140679
Ion Ratio Lower Upper
119 100
134 26.1 12.6 37.8
91 25.2 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 17.485 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

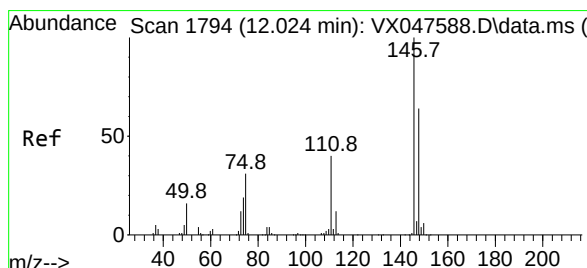
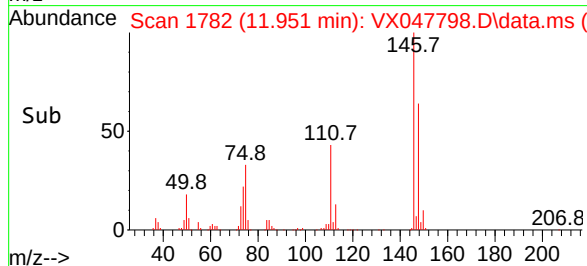
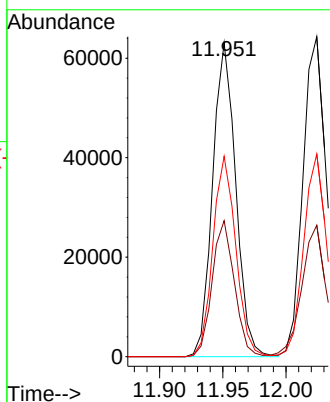
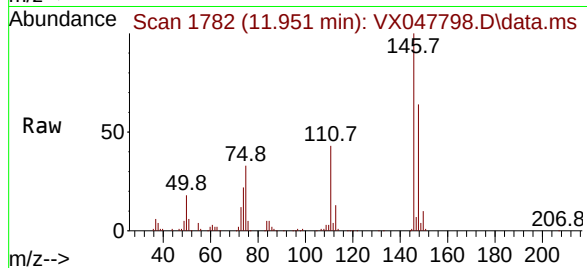
Tgt Ion:146	Resp:	79979
Ion Ratio	Lower	Upper
146	100	
111	41.7	21.5 64.5
148	63.4	32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#88

1,4-Dichlorobenzene

Concen: 17.757 ug/l

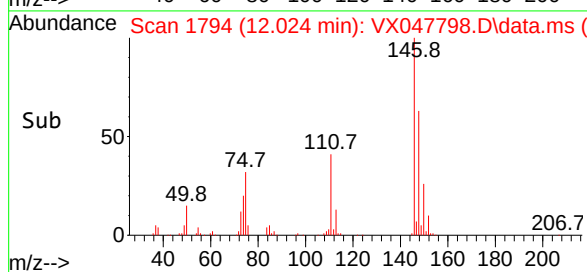
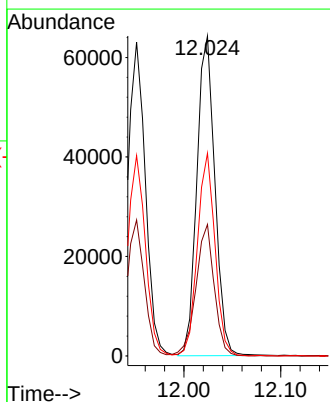
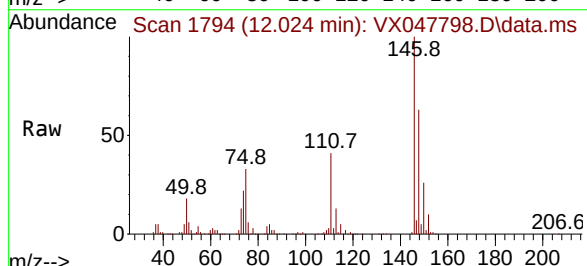
RT: 12.024 min Scan# 1794

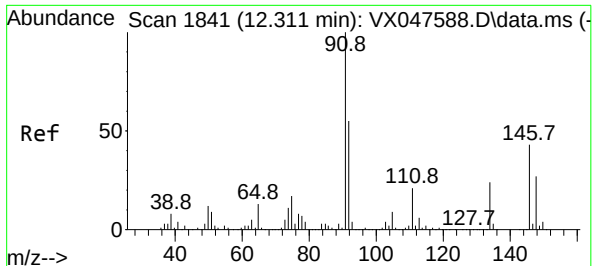
Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Tgt Ion:146	Resp:	83367
Ion Ratio	Lower	Upper
146	100	
111	41.9	20.8 62.4
148	62.0	31.7 95.1





#89

n-Butylbenzene

Concen: 16.604 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

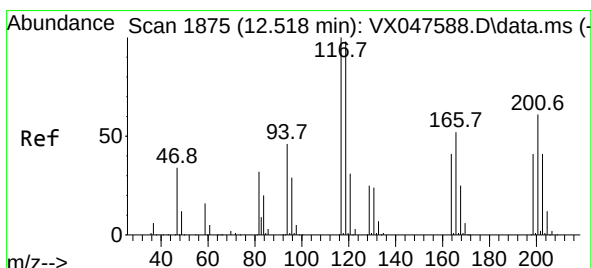
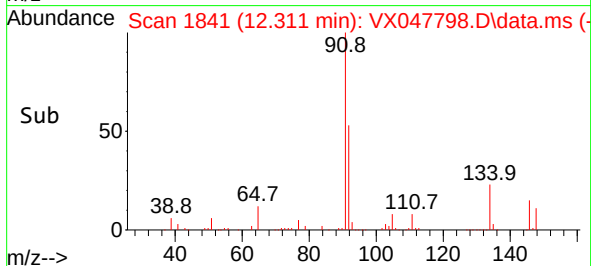
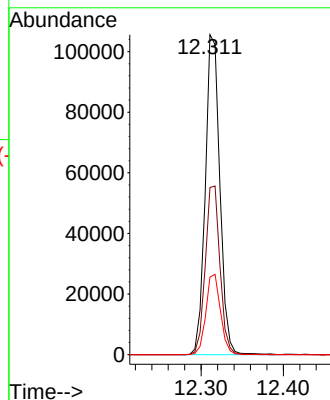
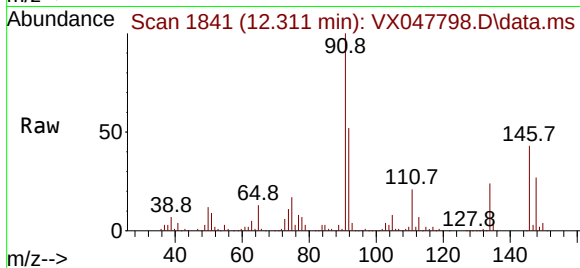
VX0925WBS01

Tgt Ion:	91	Resp:	12992
Ion Ratio	Lower	Upper	
91	100		
92	53.1	27.6	82.7
134	25.1	12.6	37.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#90

Hexachloroethane

Concen: 16.057 ug/l

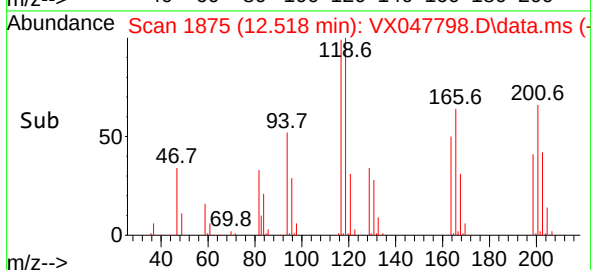
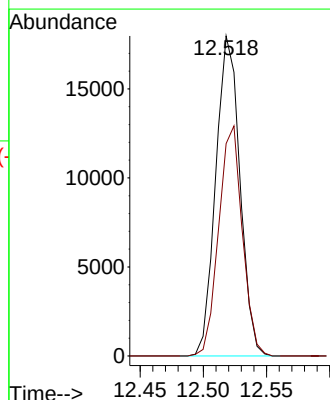
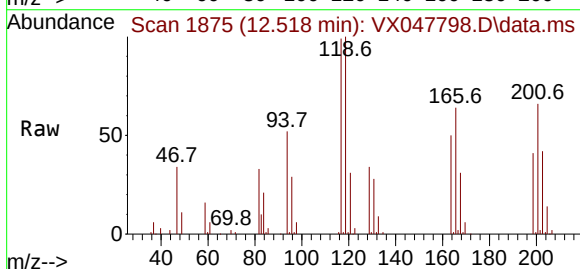
RT: 12.518 min Scan# 1875

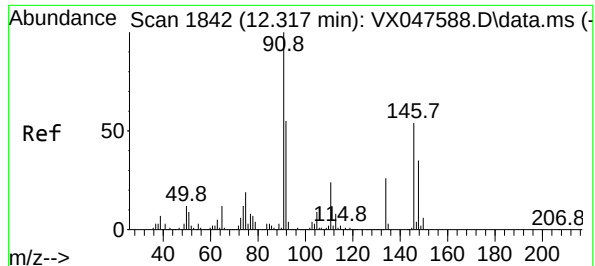
Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

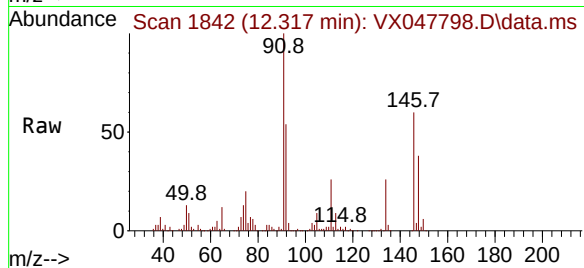
Tgt Ion:	117	Resp:	23841
Ion Ratio	Lower	Upper	
117	100		
201	70.4	34.2	102.5





#91
1,2-Dichlorobenzene
Concen: 17.765 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

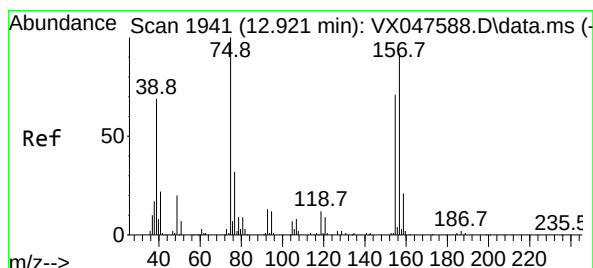
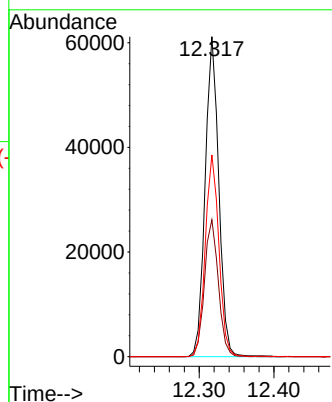
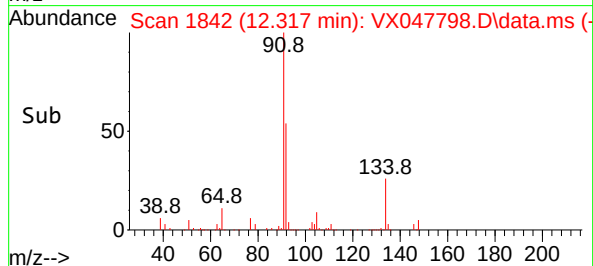
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01



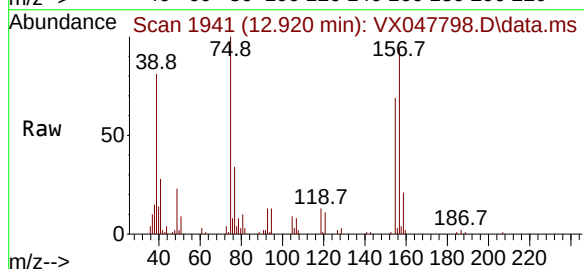
Tgt Ion: 146 Resp: 77419
Ion Ratio Lower Upper
146 100
111 43.6 22.2 66.6
148 63.0 31.8 95.4

Manual Integrations
APPROVED

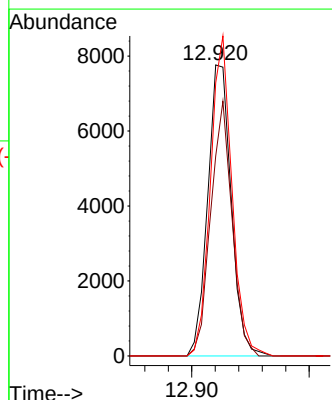
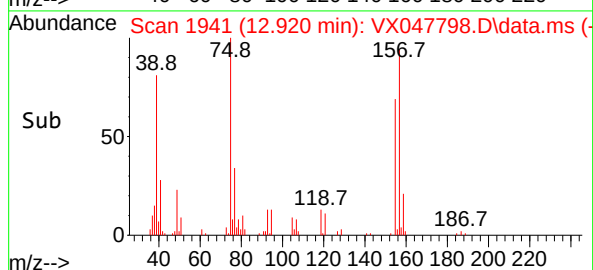
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

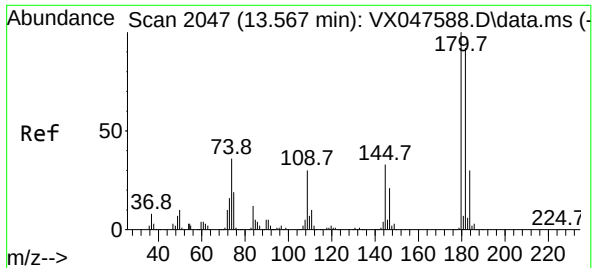


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.625 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13



Tgt Ion: 75 Resp: 10795
Ion Ratio Lower Upper
75 100
155 79.3 37.7 113.1
157 100.3 49.8 149.4





#93

1,2,4-Trichlorobenzene

Concen: 16.239 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

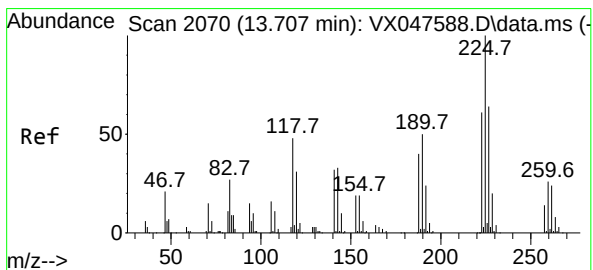
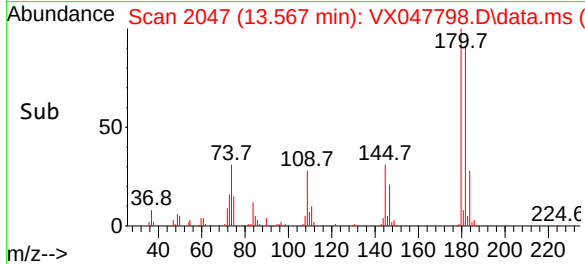
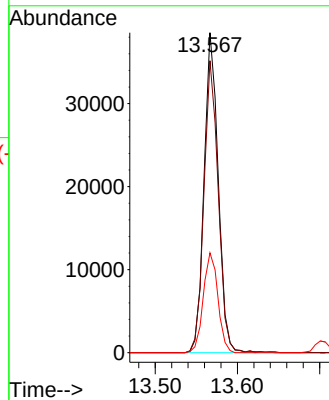
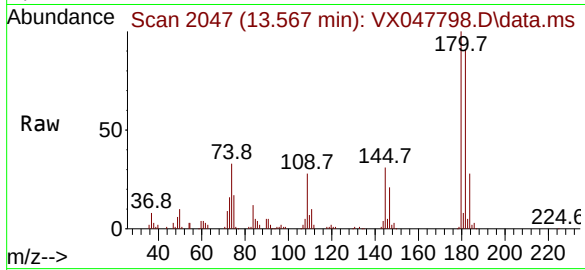
Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	46.6	139.8
145	32.2	16.4	49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#94

Hexachlorobutadiene

Concen: 15.538 ug/l

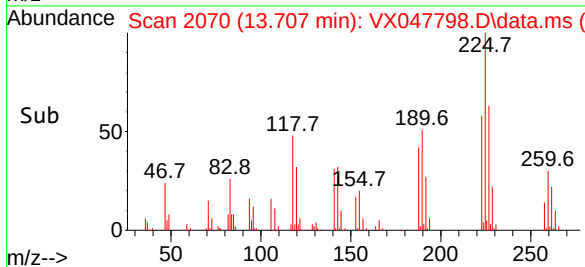
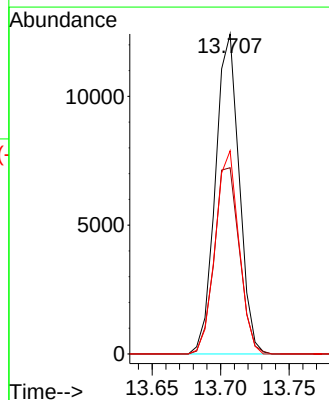
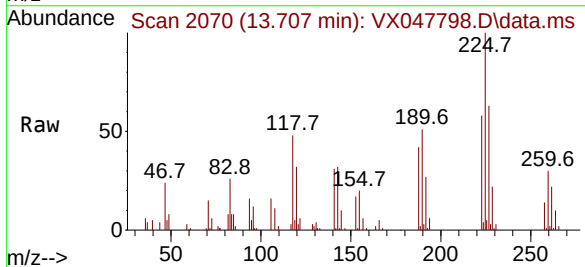
RT: 13.707 min Scan# 2070

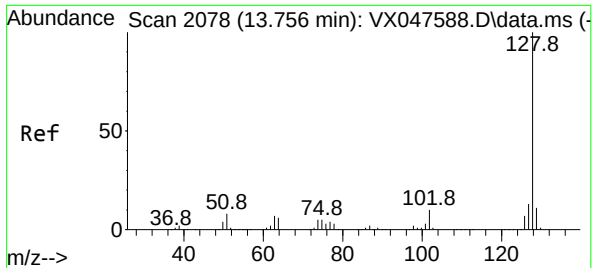
Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

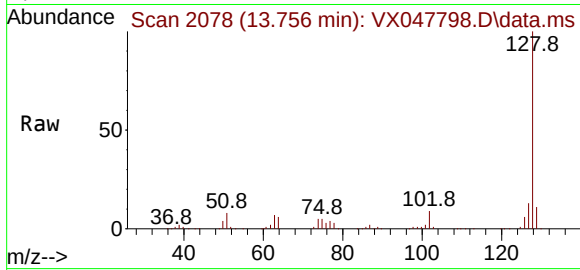
Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.7	95.1
227	63.3	32.0	96.0





#95
Naphthalene
Concen: 16.649 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

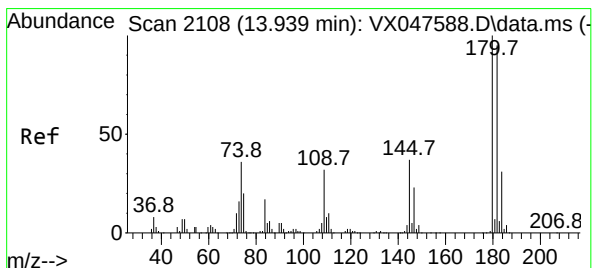
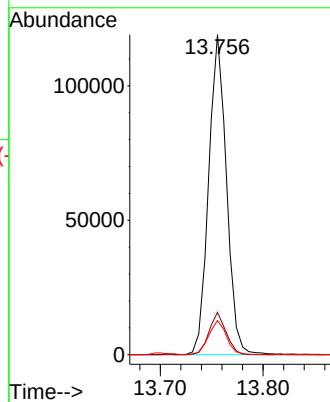
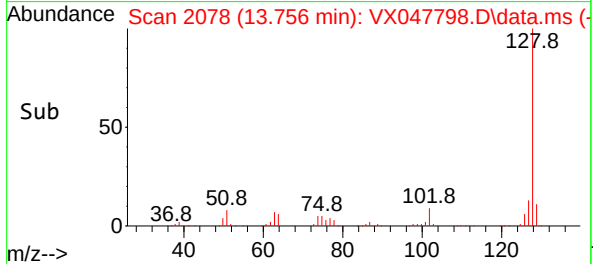
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01



Tgt Ion:128 Resp: 14358
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.7 8.8 13.2

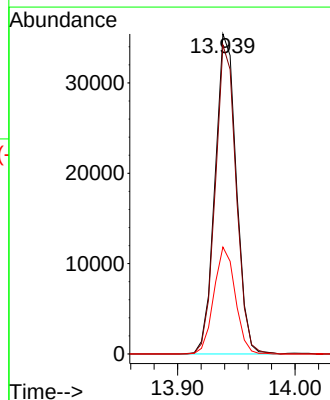
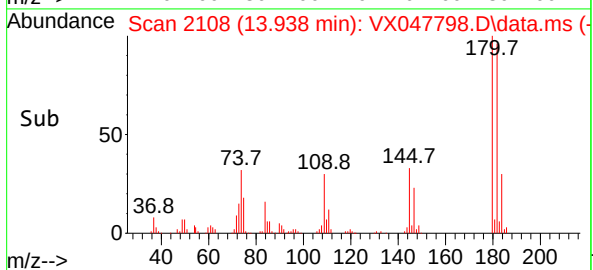
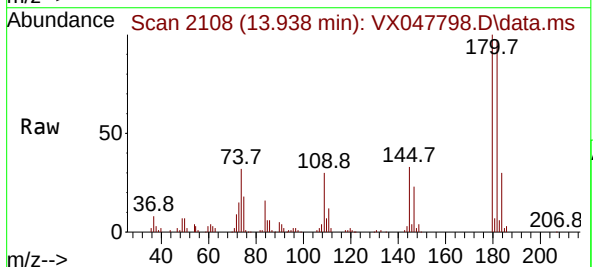
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#96
1,2,3-Trichlorobenzene
Concen: 16.884 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion:180 Resp: 44483
Ion Ratio Lower Upper
180 100
182 95.1 47.6 142.8
145 33.6 17.9 53.7



Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-320-322MS		SDG No.:	Q3165	
Lab Sample ID:	Q3165-09MS		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047821.D	1	09/25/25 18:27	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	54.6		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	53.5		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	54.3		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	51.5		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	52.9		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	51.7		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	48.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	51.8		0.23	0.75	1.00	ug/L
67-64-1	Acetone	240		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	51.7		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	52.5		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	41.6		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	52.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	53.5		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	53.4		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	46.7		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	270		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	46.4		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	52.3		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	56.6		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	53.8		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	50.8		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	40.4		0.16	0.50	1.00	ug/L
71-43-2	Benzene	49.7		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	48.4		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	48.2		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	50.2		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	50.0		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	280		0.68	2.50	5.00	ug/L
108-88-3	Toluene	48.9		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-320-322MS		SDG No.:	Q3165	
Lab Sample ID:	Q3165-09MS		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047821.D	1	09/25/25 18:27	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	40.7		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	41.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	51.5		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	260		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	51.3		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	53.0		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	42.4		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	45.7		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	44.9		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	90.5		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	45.5		0.12	0.50	1.00	ug/L
100-42-5	Styrene	42.5		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	47.8		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	42.3		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	48.3		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	42.3		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	42.3		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	44.3		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	46.4		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	39.1		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	41.1		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.0		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	50.7		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	135000	5.538				
540-36-3	1,4-Difluorobenzene	257000	6.751				
3114-55-4	Chlorobenzene-d5	244000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	122000	12.006				

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/22/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-GW-320-322MS	SDG No.:	Q3165
Lab Sample ID:	Q3165-09MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047821.D	1	09/25/25 18:27	VX092525

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\VX092525\
 Data File : VX047821.D
 Acq On : 25 Sep 2025 18:27
 Operator : JC/MD
 Sample : Q3165-09MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-320-322MS

Quant Time: Sep 26 01:33:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/26/2025
 Supervised By : Mahesh Dadoda 09/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	135494	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	257414	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	243581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	122958	57.011	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.020%			
35) Dibromofluoromethane	5.373	113	91891	53.228	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.460%			
50) Toluene-d8	8.635	98	302587	50.655	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.300%			
62) 4-Bromofluorobenzene	11.061	95	120831	53.298	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	76674	54.648	ug/l	99
3) Chloromethane	1.301	50	98626	53.485	ug/l	99
4) Vinyl Chloride	1.380	62	98020	54.302	ug/l	98
5) Bromomethane	1.611	94	58949	51.501	ug/l	98
6) Chloroethane	1.697	64	63761	52.850	ug/l	99
7) Trichlorofluoromethane	1.898	101	138453	51.658	ug/l	99
8) Diethyl Ether	2.136	74	59720	54.470	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	76229	48.641	ug/l	98
10) Methyl Iodide	2.459	142	108557	44.415	ug/l	99
11) Tert butyl alcohol	2.947	59	60604	252.305	ug/l	99
12) 1,1-Dichloroethene	2.325	96	83445	51.835	ug/l	93
13) Acrolein	2.239	56	56296	254.331	ug/l	99
14) Allyl chloride	2.666	41	148087	44.579	ug/l	96
15) Acrylonitrile	3.062	53	268561	301.848	ug/l	98
16) Acetone	2.374	43	220972	235.641	ug/l	97
17) Carbon Disulfide	2.520	76	227641	51.654	ug/l	99
18) Methyl Acetate	2.703	43	86796	41.590	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	308529	52.502	ug/l	98
20) Methylene Chloride	2.788	84	104383	52.587	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	92664	53.465	ug/l	96
22) Diisopropyl ether	3.757	45	342075	53.134	ug/l	89
23) Vinyl Acetate	3.715	43	915403	177.660	ug/l	100
24) 1,1-Dichloroethane	3.611	63	182666	53.383	ug/l	98
25) 2-Butanone	4.544	43	319667	273.284	ug/l	99
26) 2,2-Dichloropropane	4.471	77	45951	16.155	ug/l	85
27) cis-1,2-Dichloroethene	4.483	96	110970	52.282	ug/l	92
28) Bromochloromethane	4.891	49	84490	56.559	ug/l	100
29) Tetrahydrofuran	4.995	42	208037	295.642	ug/l	98
30) Chloroform	5.080	83	186106	53.822	ug/l	98
31) Cyclohexane	5.458	56	132989	46.664	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	148866	50.756	ug/l	98
36) 1,1-Dichloropropene	5.684	75	116268	46.090	ug/l	99
37) Ethyl Acetate	4.702	43	97367	36.048	ug/l	99
38) Carbon Tetrachloride	5.666	117	127279	46.438	ug/l	97
39) Methylcyclohexane	7.367	83	115594	40.368	ug/l	97
40) Benzene	6.025	78	380825	49.704	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047821.D
 Acq On : 25 Sep 2025 18:27
 Operator : JC/MD
 Sample : Q3165-09MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-320-322MS

Quant Time: Sep 26 01:33:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/26/2025
 Supervised By :Mahesh Dadoda 09/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	75954	54.471	ug/l	98
42) 1,2-Dichloroethane	6.074	62	141033	48.378	ug/l	97
43) Isopropyl Acetate	6.324	43	180870	40.830	ug/l	100
44) Trichloroethene	7.111	130	89220	48.166	ug/l	96
45) 1,2-Dichloropropane	7.415	63	98545	50.229	ug/l	100
46) Dibromomethane	7.568	93	71714	50.231	ug/l	97
47) Bromodichloromethane	7.806	83	147433	50.043	ug/l	97
48) Methyl methacrylate	7.677	41	109524	49.636	ug/l	96
49) 1,4-Dioxane	7.647	88	27656	1240.210	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	678398	276.211	ug/l	100
52) Toluene	8.702	92	230973	48.930	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	122223	40.672	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	131647	40.987	ug/l	97
55) 1,1,2-Trichloroethane	9.135	97	93726	51.493	ug/l	97
56) Ethyl methacrylate	9.104	69	147754	51.689	ug/l	95
57) 1,3-Dichloropropane	9.293	76	163602	52.323	ug/l	98
59) 2-Hexanone	9.415	43	466801	264.631	ug/l	98
60) Dibromochloromethane	9.506	129	107503	51.259	ug/l	100
61) 1,2-Dibromoethane	9.592	107	98261	53.001	ug/l	99
64) Tetrachloroethene	9.263	164	67359	42.420	ug/l	97
65) Chlorobenzene	10.061	112	252686	45.663	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	89761	47.007	ug/l	99
67) Ethyl Benzene	10.177	91	428505	44.879	ug/l	100
68) m/p-Xylenes	10.287	106	321516	90.470	ug/l	98
69) o-Xylene	10.628	106	156445	45.513	ug/l	99
70) Styrene	10.640	104	256077	42.517	ug/l	98
71) Bromoform	10.787	173	68186	47.822	ug/l #	100
73) Isopropylbenzene	10.945	105	392521	42.335	ug/l	99
74) N-amyl acetate	10.829	43	131747	31.160	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	135441	48.282	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	114963m	46.559	ug/l	
77) Bromobenzene	11.183	156	101115	44.279	ug/l	97
78) n-propylbenzene	11.287	91	457503	41.741	ug/l	100
79) 2-Chlorotoluene	11.348	91	287129	42.772	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	315443	41.410	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	28035	28.954	ug/l	98
82) 4-Chlorotoluene	11.439	91	334200	42.152	ug/l	99
83) tert-Butylbenzene	11.695	119	326392	41.856	ug/l	98
84) 1,2,4-Trimethylbenzene	11.738	105	321947	41.687	ug/l	100
85) sec-Butylbenzene	11.872	105	376069	40.602	ug/l	100
86) p-Isopropyltoluene	11.994	119	311233	39.690	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	179265	42.264	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	183970	42.260	ug/l	99
89) n-Butylbenzene	12.317	91	270965	37.344	ug/l	99
90) Hexachloroethane	12.518	117	58360	42.390	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	178993	44.295	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.927	75	26343	46.383	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	102648	39.085	ug/l	100
94) Hexachlorobutadiene	13.707	225	28659	32.127	ug/l	100
95) Naphthalene	13.756	128	354407	44.317	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	100379	41.089	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047821.D
Acq On : 25 Sep 2025 18:27
Operator : JC/MD
Sample : Q3165-09MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

Quant Time: Sep 26 01:33:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

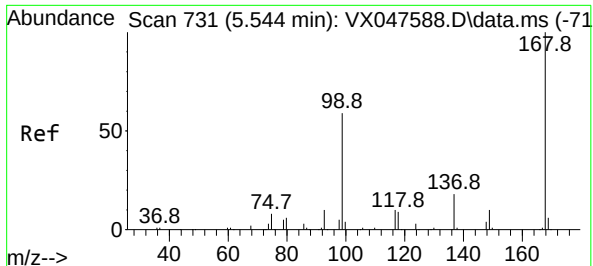
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

Manual Integrations APPROVED

Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025





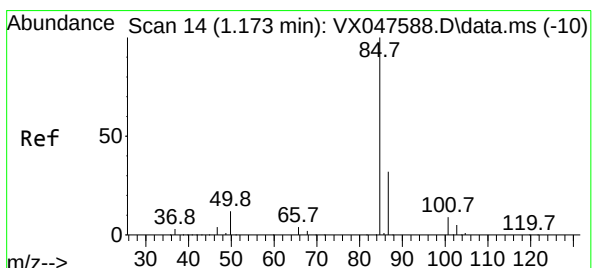
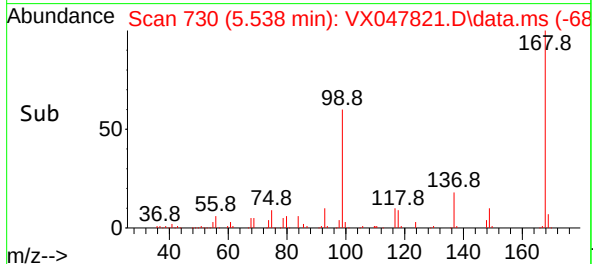
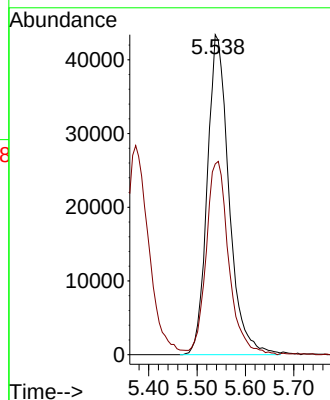
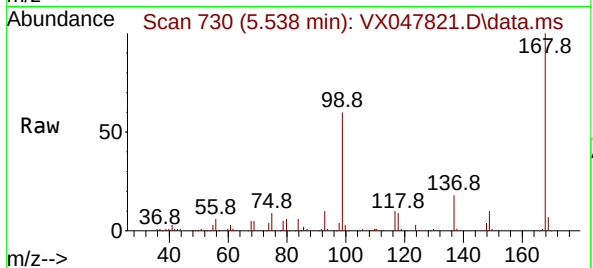
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

Tgt Ion:168 Resp: 135494
Ion Ratio Lower Upper
168 100
99 59.3 48.8 73.2

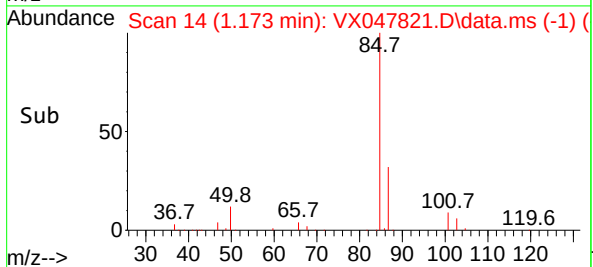
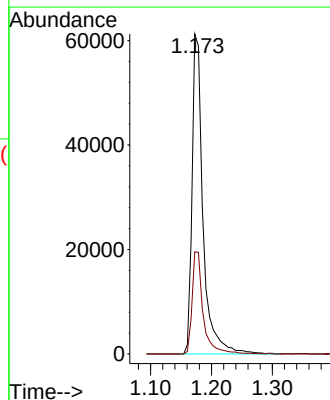
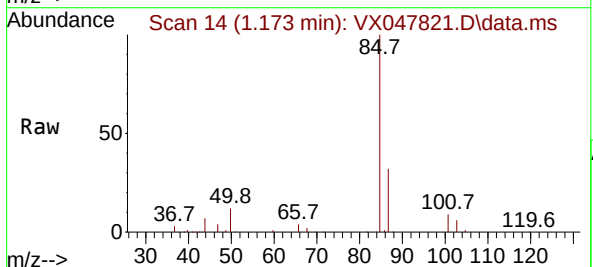
Manual Integrations
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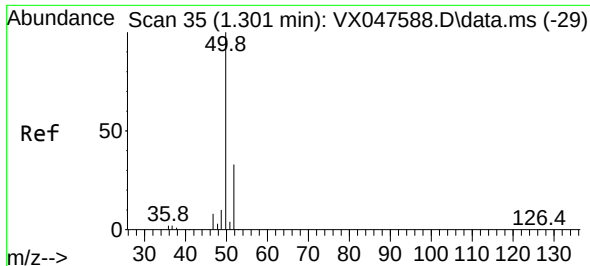
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#2
Dichlorodifluoromethane
Concen: 54.648 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 85 Resp: 76674
Ion Ratio Lower Upper
85 100
87 31.9 15.8 47.3





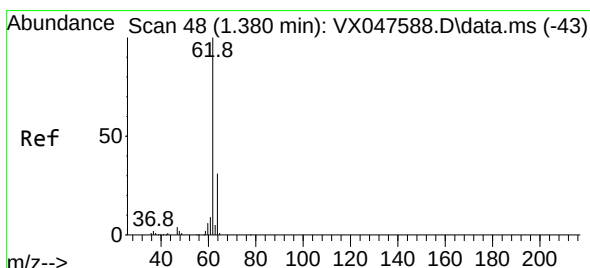
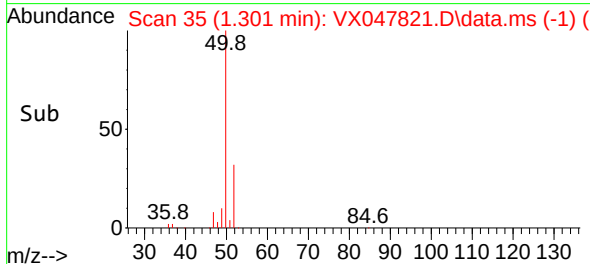
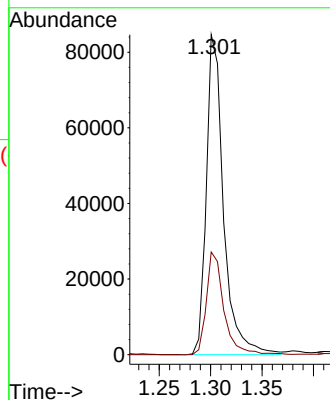
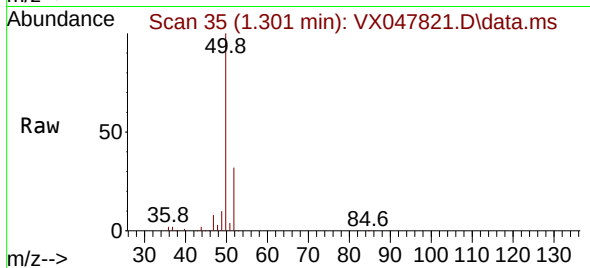
#3
Chloromethane
Concen: 53.485 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

Tgt Ion: 50 Resp: 98620
Ion Ratio Lower Upper
50 100
52 32.1 26.1 39.1

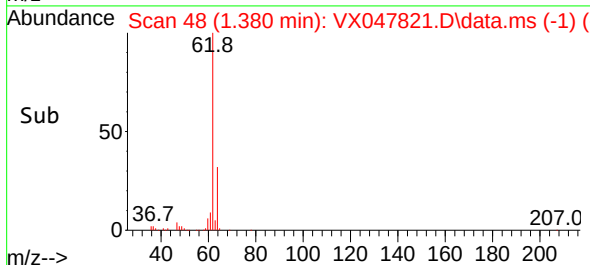
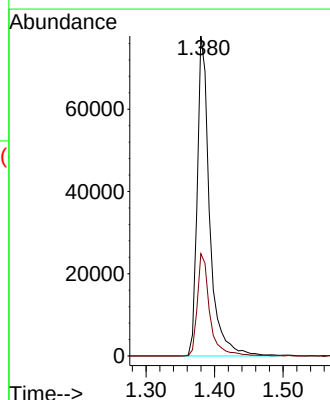
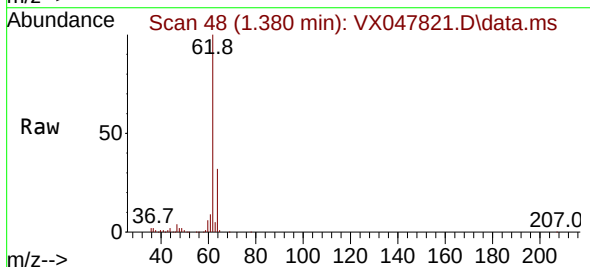
Manual Integrations
APPROVED

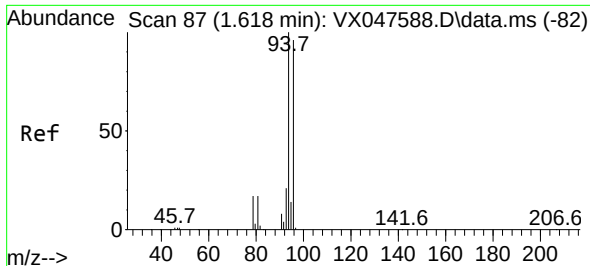
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#4
Vinyl Chloride
Concen: 54.302 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

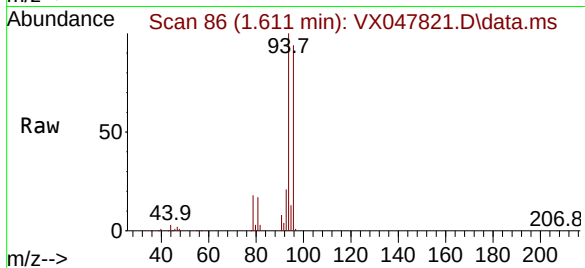
Tgt Ion: 62 Resp: 98020
Ion Ratio Lower Upper
62 100
64 32.0 24.9 37.3





#5
Bromomethane
Concen: 51.501 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

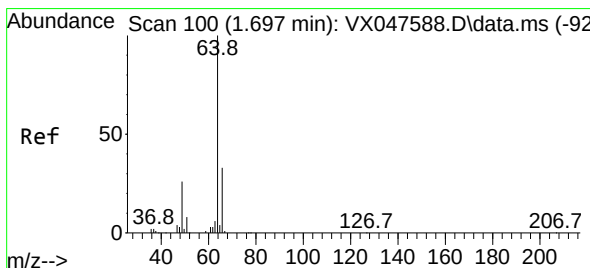
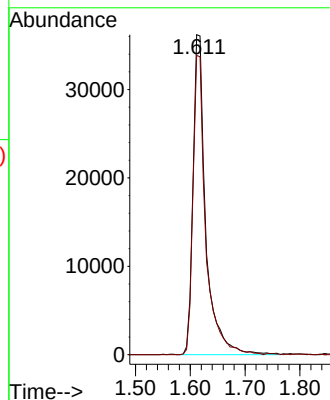
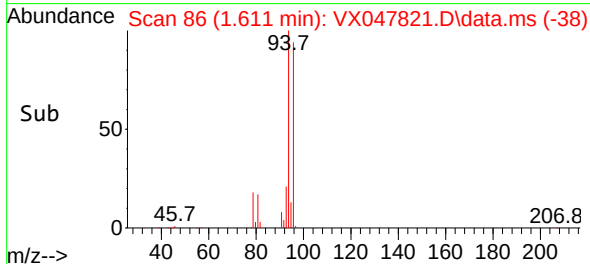
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS



Tgt Ion: 94 Resp: 58949
Ion Ratio Lower Upper
94 100
96 93.5 76.6 115.0

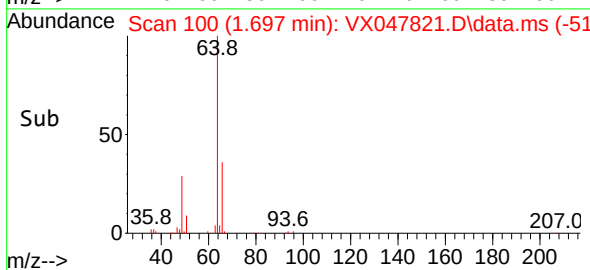
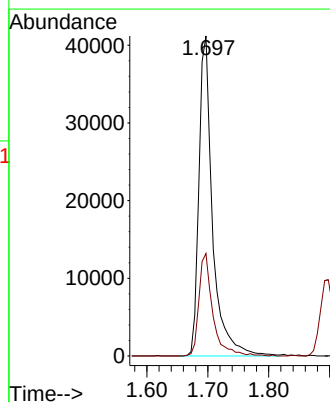
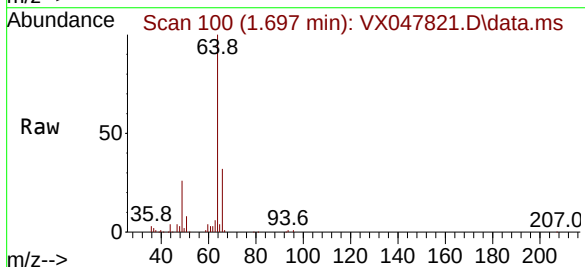
Manual Integrations
APPROVED

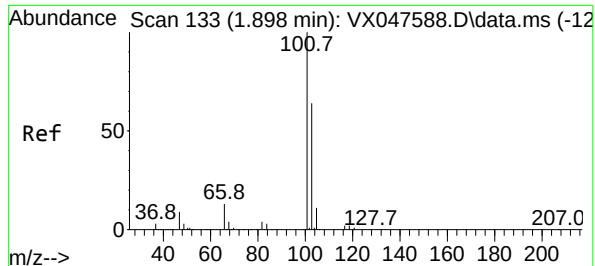
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#6
Chloroethane
Concen: 52.850 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

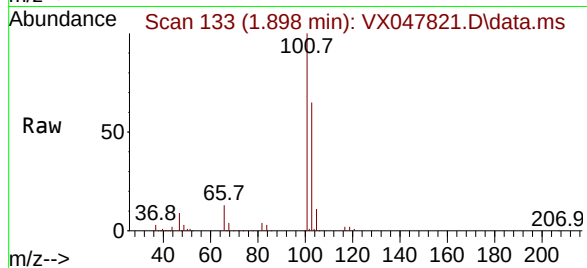
Tgt Ion: 64 Resp: 63761
Ion Ratio Lower Upper
64 100
66 32.0 26.1 39.1





#7
Trichlorofluoromethane
Concen: 51.658 ug/l
RT: 1.898 min Scan# 133
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

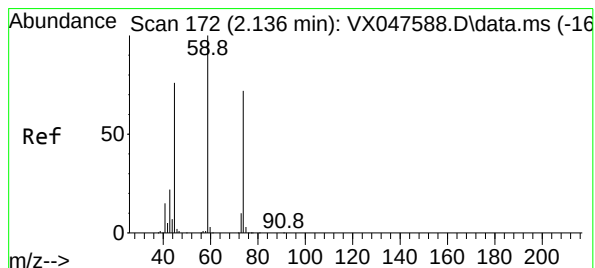
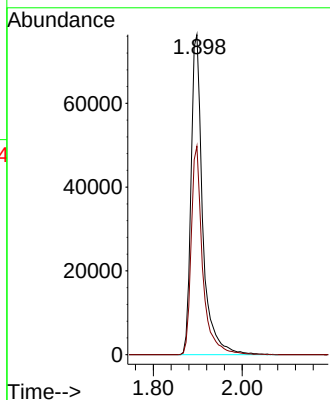
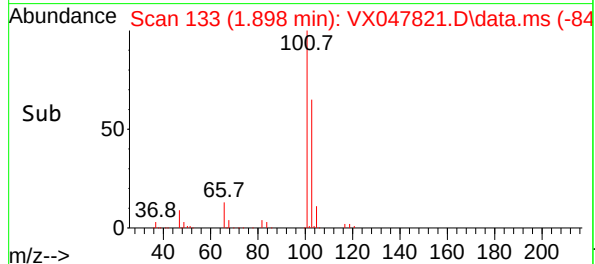
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS



Tgt Ion: 101 Resp: 13845
Ion Ratio Lower Upper
101 100
103 65.2 51.4 77.2

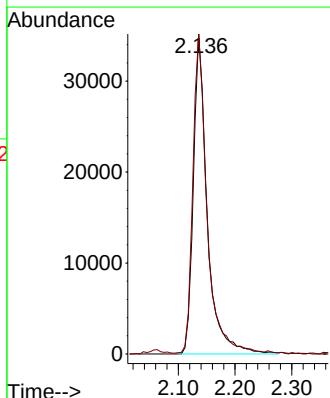
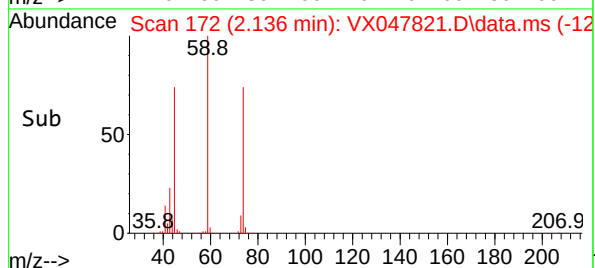
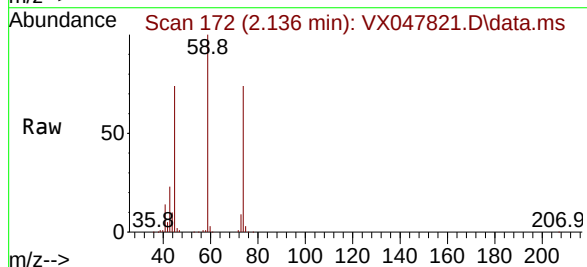
Manual Integrations
APPROVED

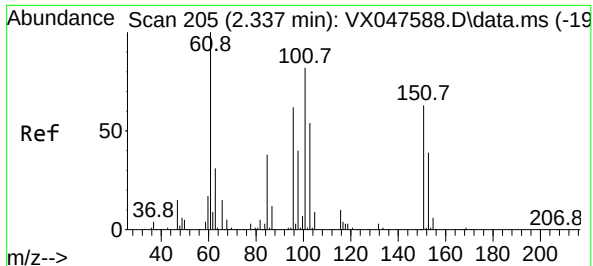
Reviewed By : John Carlone 09/26/2025
Supervised By : Mahesh Dadoda 09/29/2025



#8
Diethyl Ether
Concen: 54.470 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 74 Resp: 59720
Ion Ratio Lower Upper
74 100
45 101.3 52.3 156.8





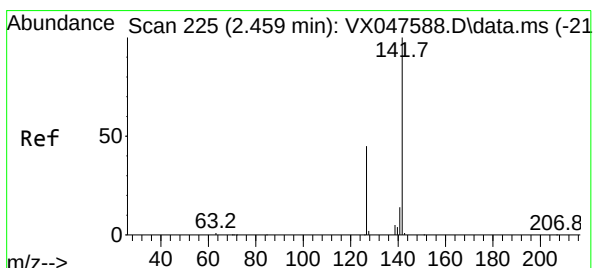
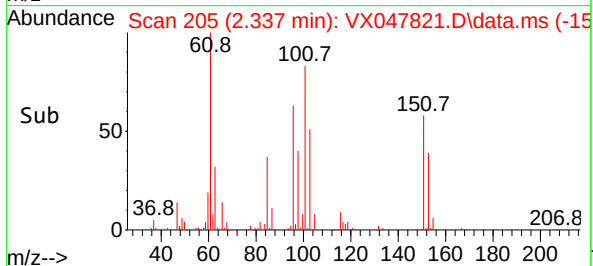
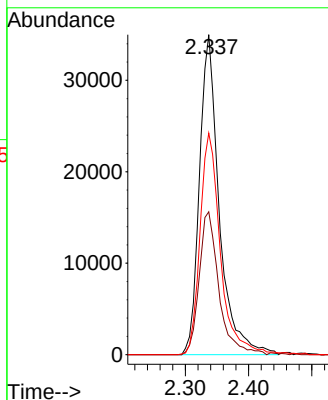
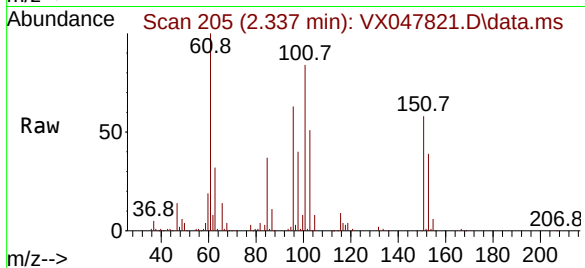
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.641 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

Tgt Ion:101 Resp: 76229
Ion Ratio Lower Upper
101 100
85 44.5 35.5 53.3
151 71.8 59.4 89.0

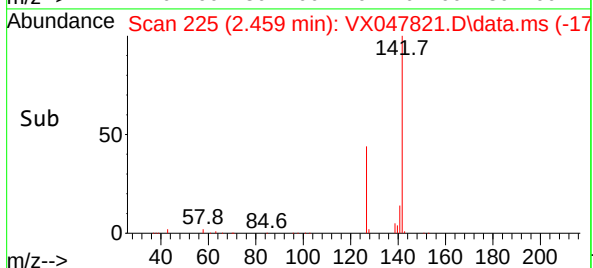
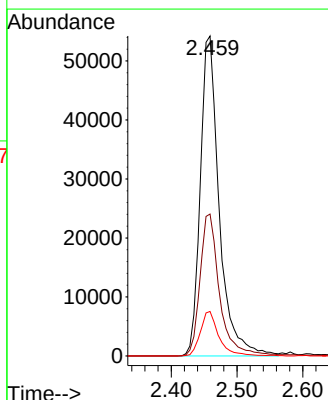
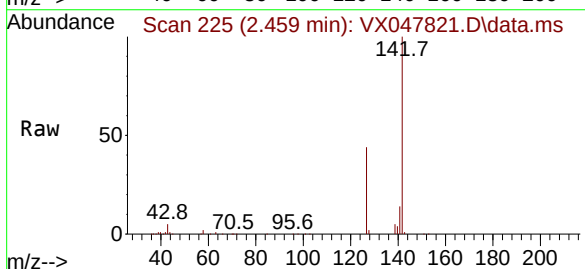
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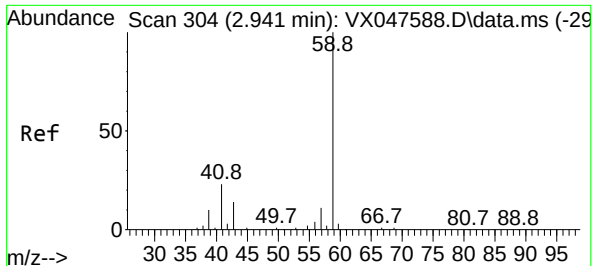
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#10
Methyl Iodide
Concen: 44.415 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion:142 Resp: 108557
Ion Ratio Lower Upper
142 100
127 46.1 37.2 55.8
141 13.7 11.4 17.0





#11

Tert butyl alcohol

Concen: 252.305 ug/l

RT: 2.947 min Scan# 304

Delta R.T. 0.006 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion: 59 Resp: 60604

Ion Ratio Lower Upper

59 100

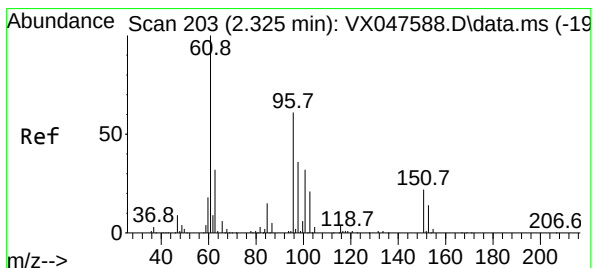
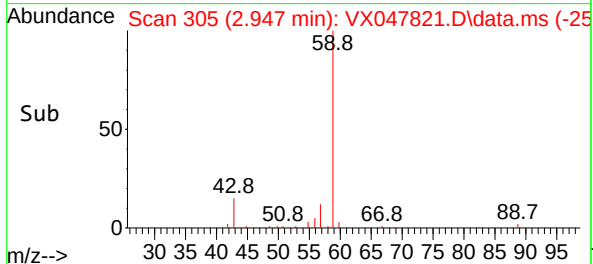
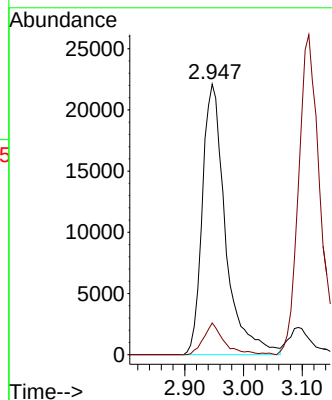
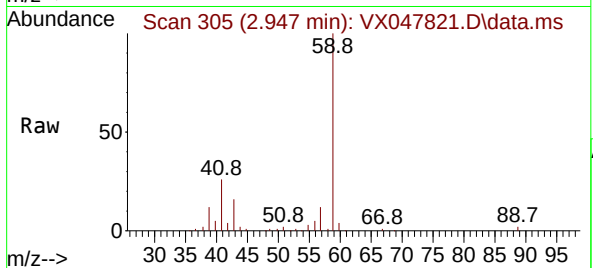
57 10.2 8.3 12.5

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Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#12

1,1-Dichloroethene

Concen: 51.835 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

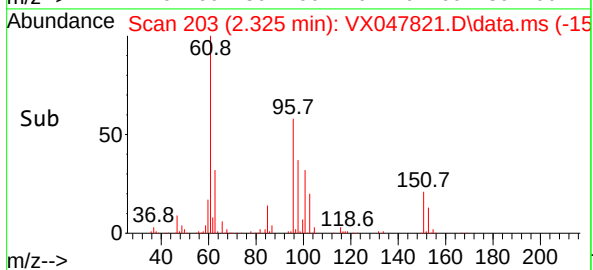
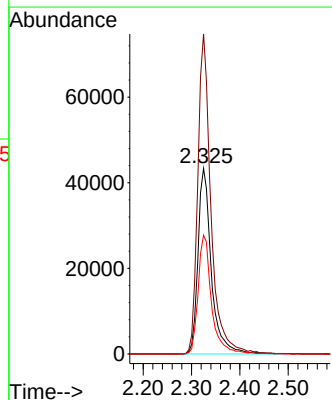
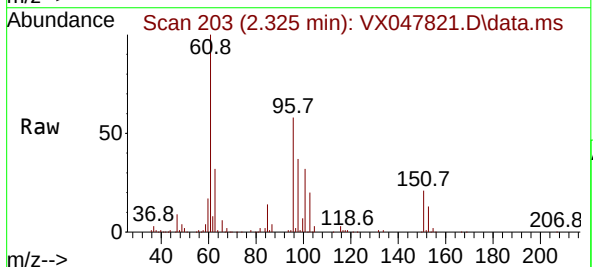
Tgt Ion: 96 Resp: 83445

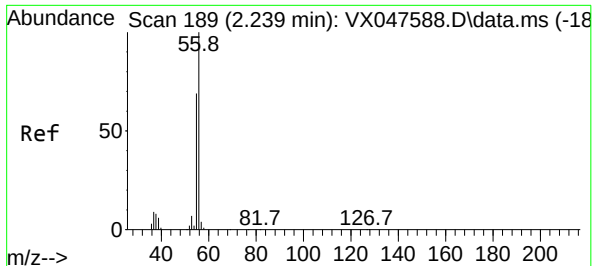
Ion Ratio Lower Upper

96 100

61 172.4 131.0 196.6

98 66.3 47.7 71.5





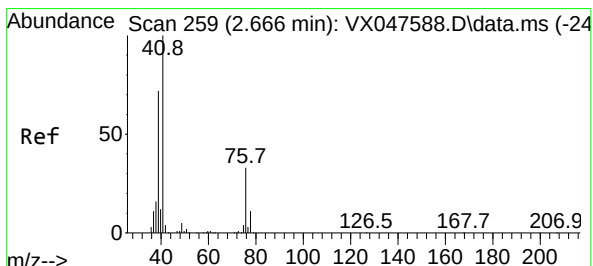
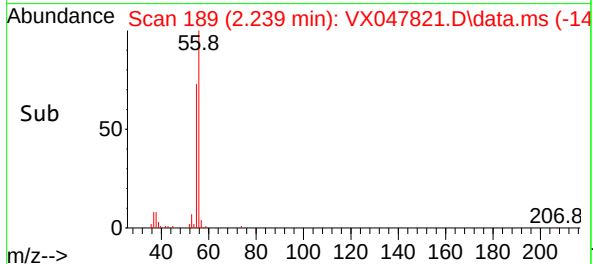
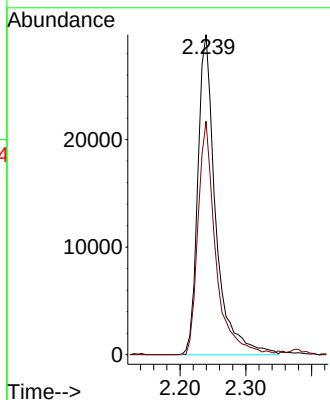
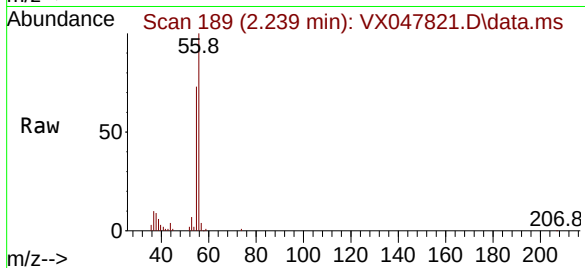
#13
Acrolein
Concen: 254.331 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

Tgt Ion: 56 Resp: 56290
Ion Ratio Lower Upper
56 100
55 72.2 57.2 85.8

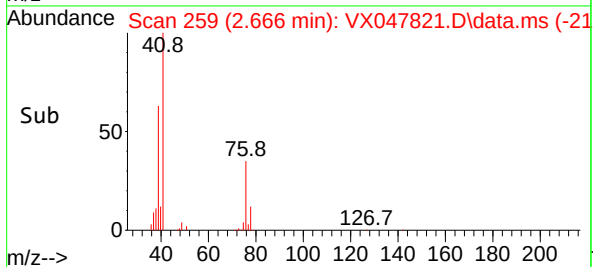
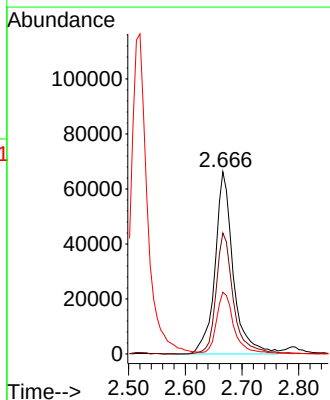
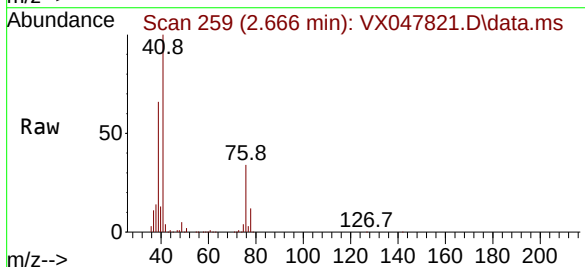
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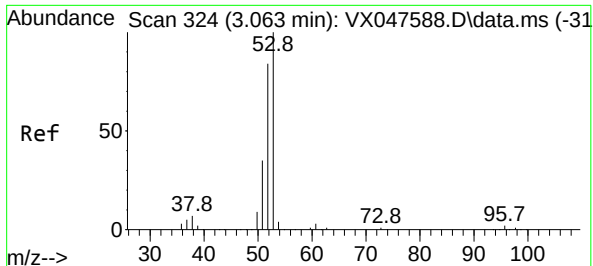
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#14
Allyl chloride
Concen: 44.579 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 41 Resp: 148087
Ion Ratio Lower Upper
41 100
39 63.8 54.7 82.1
76 32.1 25.7 38.5





#15

Acrylonitrile

Concen: 301.848 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion: 53 Resp: 26856

Ion Ratio Lower Upper

53 100

52 81.5 66.4 99.6

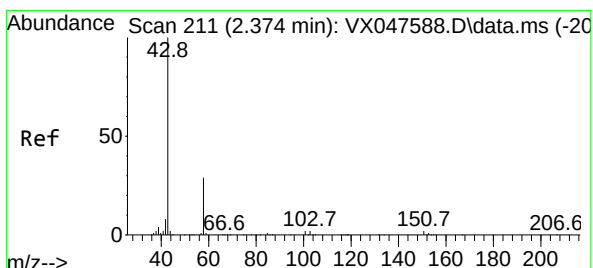
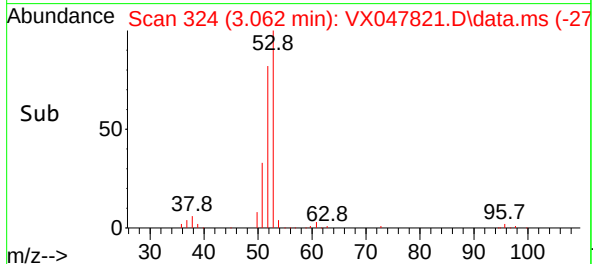
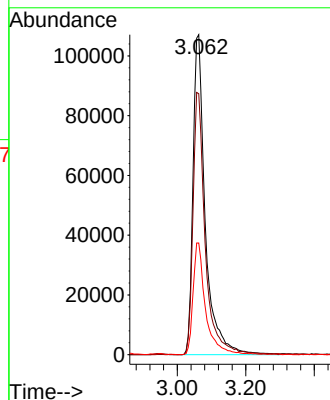
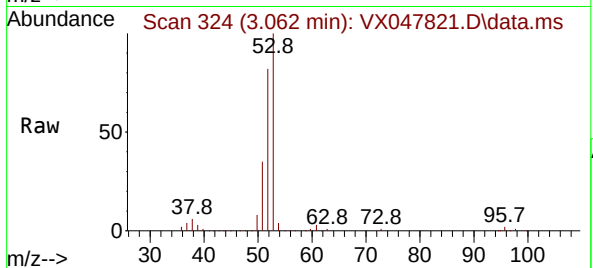
51 35.5 29.5 44.3

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Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#16

Acetone

Concen: 235.641 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX047821.D

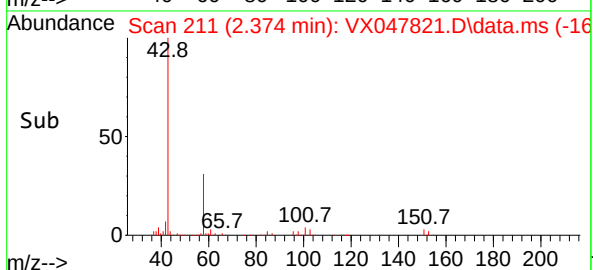
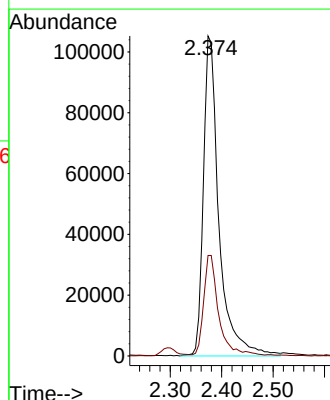
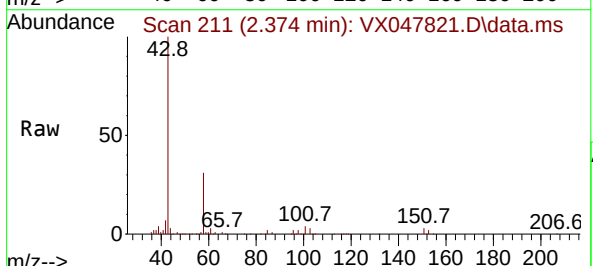
Acq: 25 Sep 2025 18:27

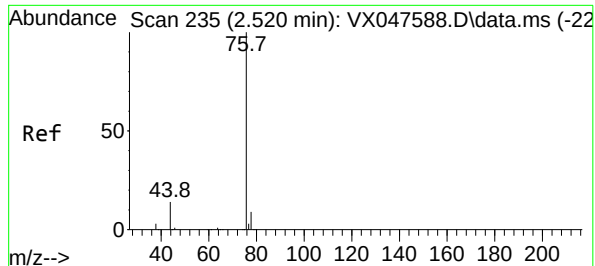
Tgt Ion: 43 Resp: 220972

Ion Ratio Lower Upper

43 100

58 31.1 23.4 35.0





#17

Carbon Disulfide

Concen: 51.654 ug/l

RT: 2.520 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion: 76 Resp: 22764

Ion Ratio Lower Upper

76 100

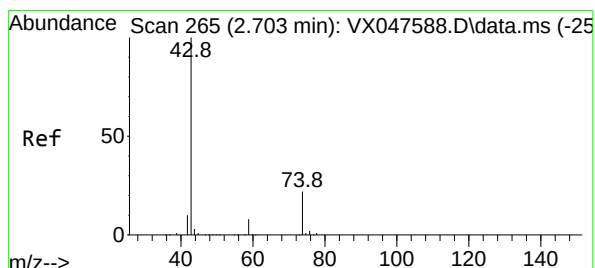
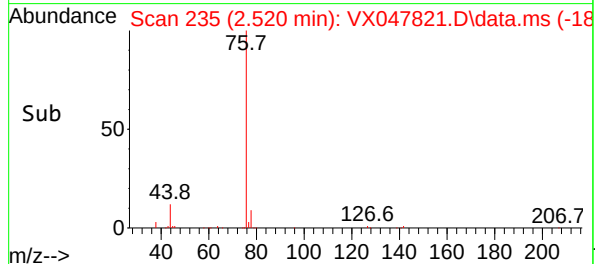
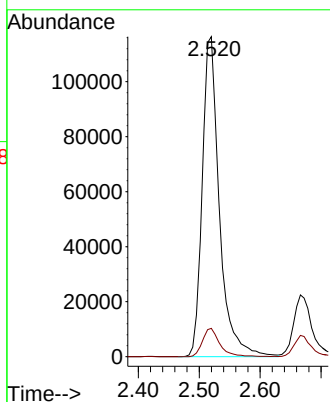
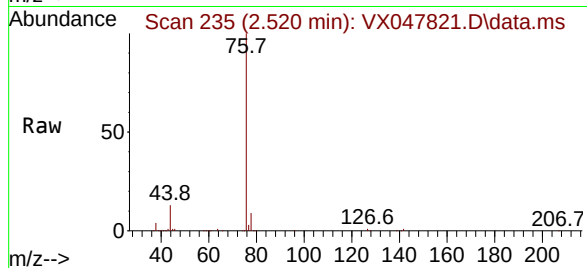
78 8.9 6.8 10.2

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Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#18

Methyl Acetate

Concen: 41.590 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX047821.D

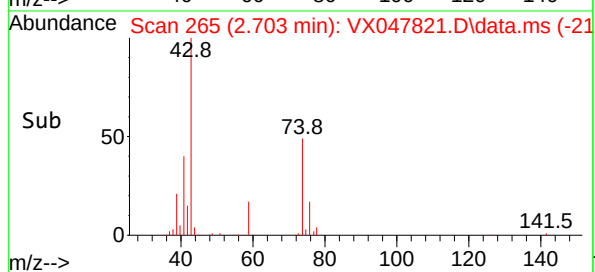
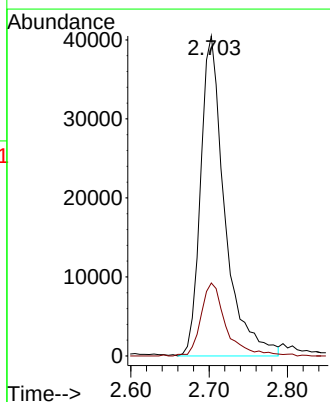
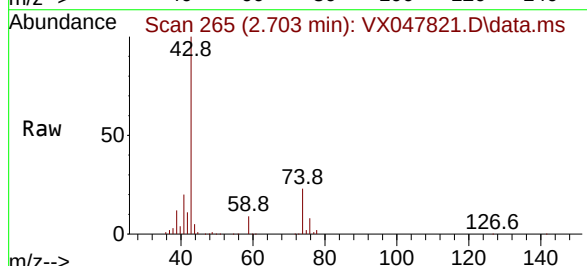
Acq: 25 Sep 2025 18:27

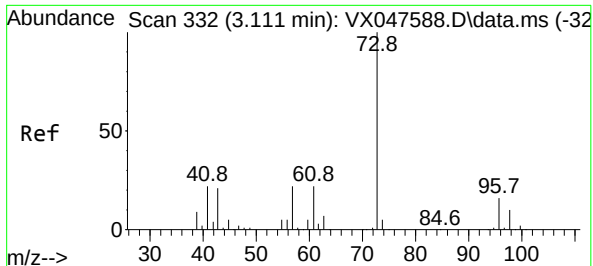
Tgt Ion: 43 Resp: 86796

Ion Ratio Lower Upper

43 100

74 23.8 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 52.502 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion: 73 Resp: 308529

Ion Ratio Lower Upper

73 100

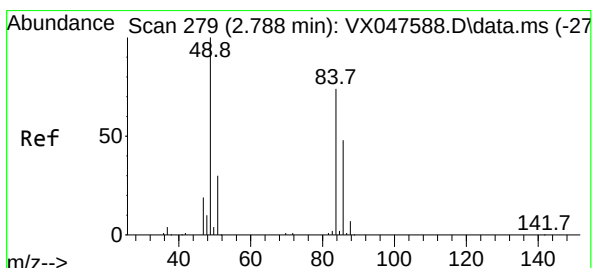
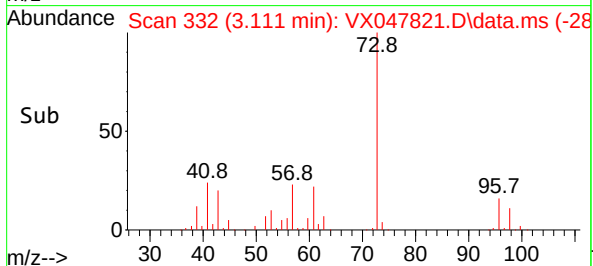
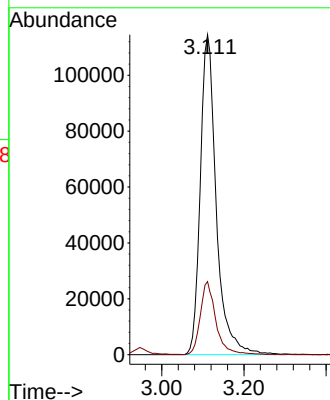
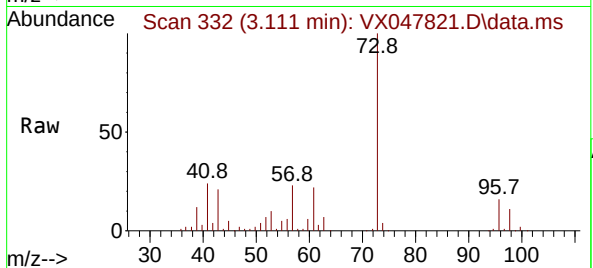
57 22.8 17.4 26.2

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Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#20

Methylene Chloride

Concen: 52.587 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Tgt Ion: 84 Resp: 104383

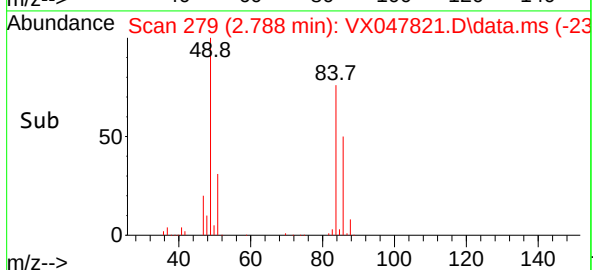
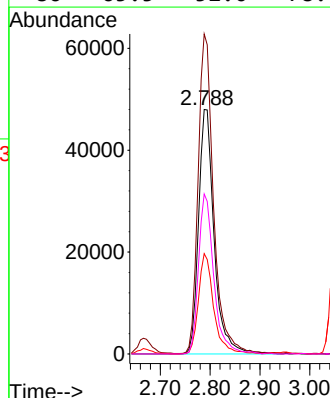
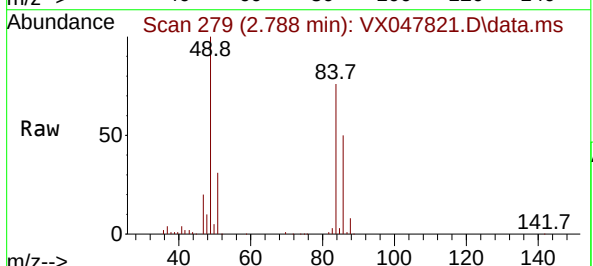
Ion Ratio Lower Upper

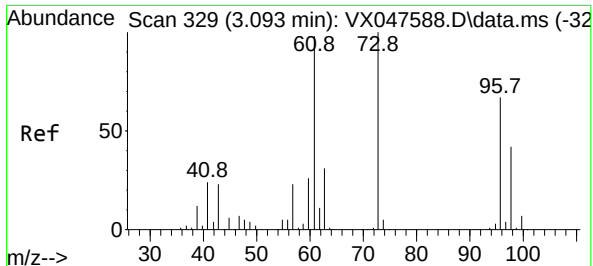
84 100

49 130.7 108.6 162.8

51 41.0 32.6 48.8

86 65.5 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 53.465 ug/l

RT: 3.093 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX047821.D

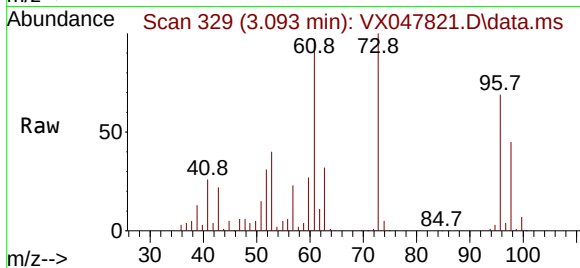
Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS



Tgt Ion: 96 Resp: 92664

Ion Ratio Lower Upper

96 100

61 140.0 116.2 174.2

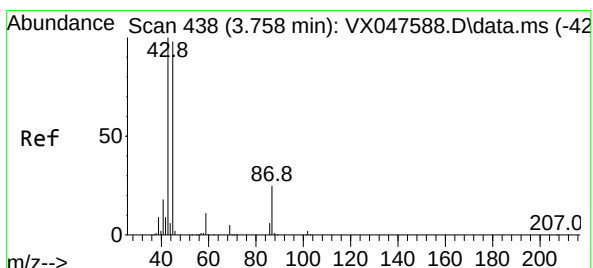
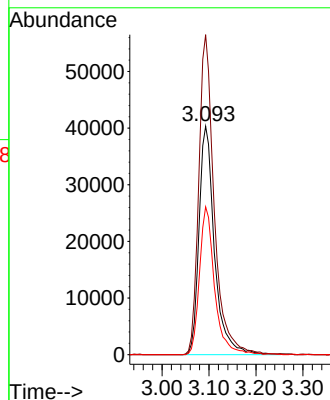
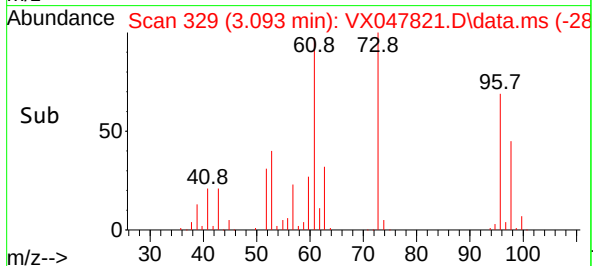
98 64.7 49.3 73.9

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Supervised By :Mahesh Dadoda 09/29/2025



#22

Diisopropyl ether

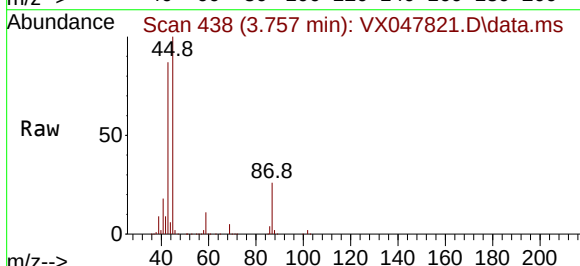
Concen: 53.134 ug/l

RT: 3.757 min Scan# 438

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27



Tgt Ion: 45 Resp: 342075

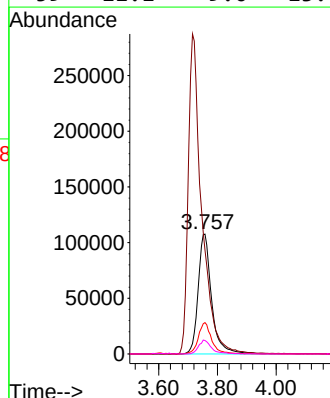
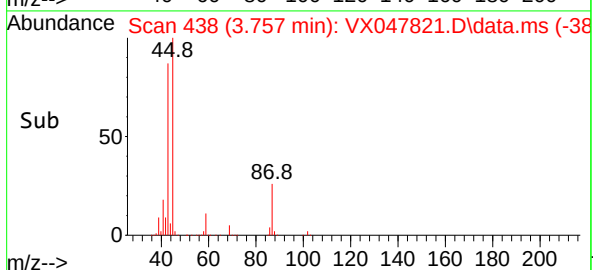
Ion Ratio Lower Upper

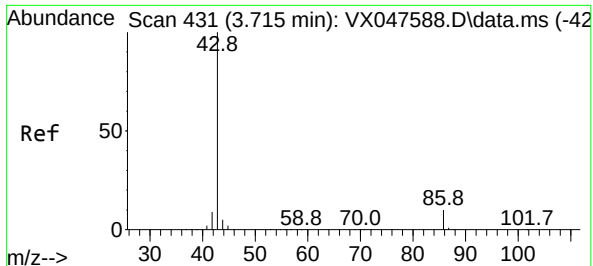
45 100

43 86.3 81.0 121.4

87 26.2 20.3 30.5

59 11.1 9.0 13.4





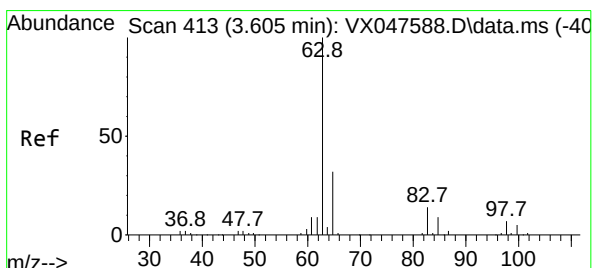
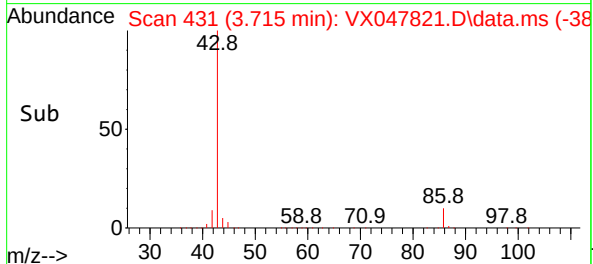
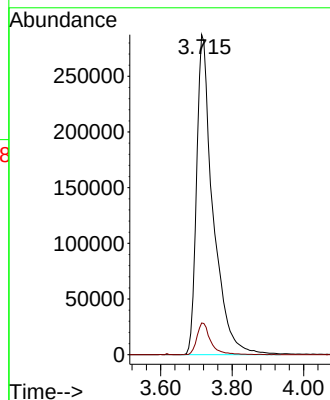
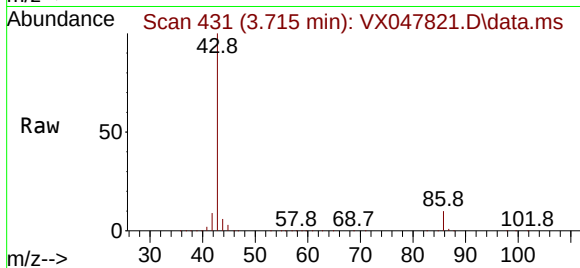
#23
Vinyl Acetate
Concen: 177.660 ug/l
RT: 3.715 min Scan# 411
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

Tgt Ion: 43 Resp: 91540
Ion Ratio Lower Upper
43 100
86 9.9 7.8 11.8

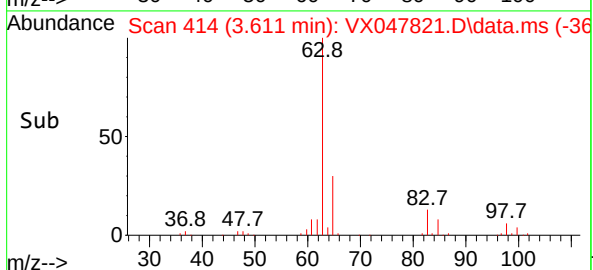
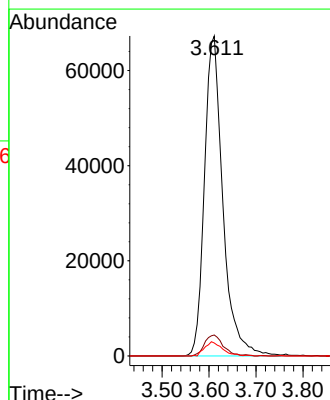
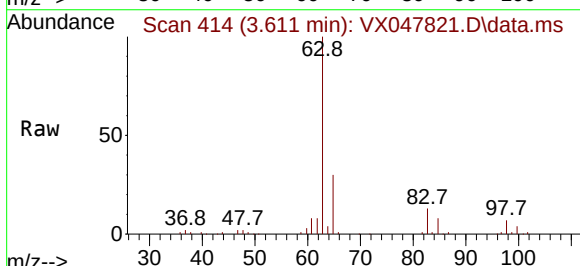
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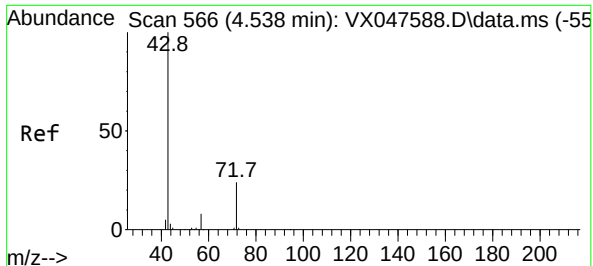
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#24
1,1-Dichloroethane
Concen: 53.383 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 63 Resp: 182666
Ion Ratio Lower Upper
63 100
98 6.6 3.8 11.2
100 4.1 2.3 6.9





#25

2-Butanone

Concen: 273.284 ug/l

RT: 4.544 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion: 43 Resp: 31966

Ion Ratio Lower Upper

43

100

72

24.6

20.1

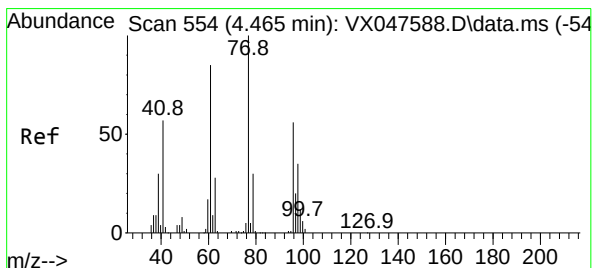
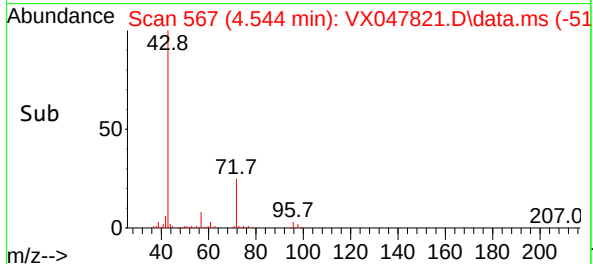
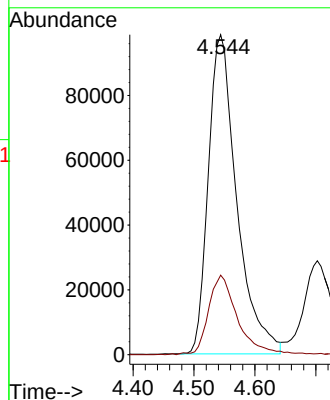
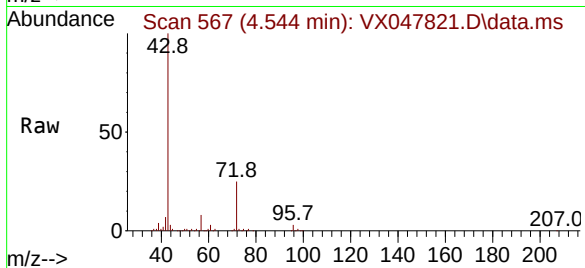
30.1

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Supervised By :Mahesh Dadoda 09/29/2025



#26

2,2-Dichloropropane

Concen: 16.155 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Tgt Ion: 77 Resp: 45951

Ion Ratio Lower Upper

77

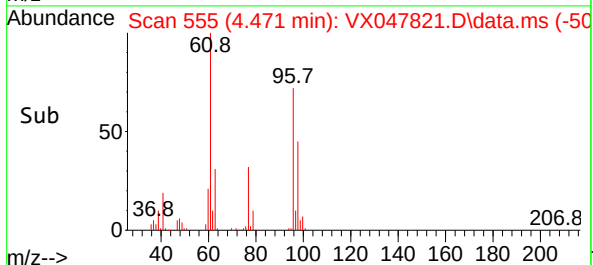
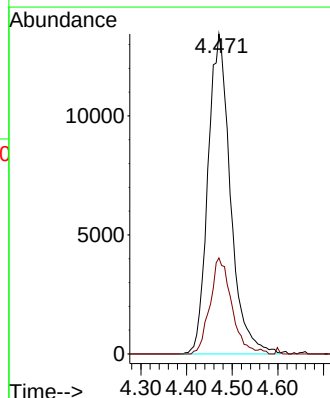
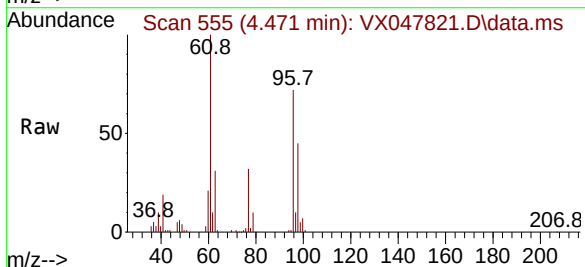
100

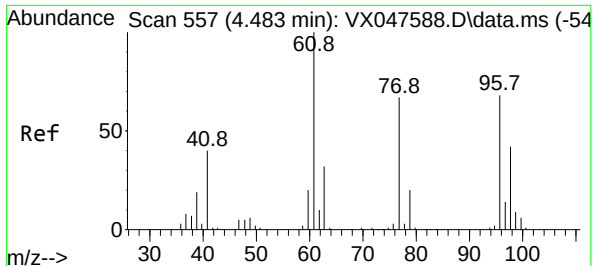
97

29.1

10.9

32.7





#27

cis-1,2-Dichloroethene

Concen: 52.282 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion: 96 Resp: 110970

Ion Ratio Lower Upper

96 100

61 137.2 0.0 303.2

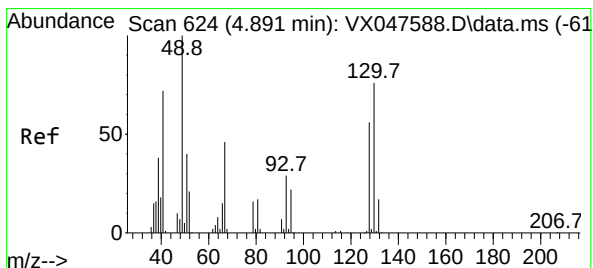
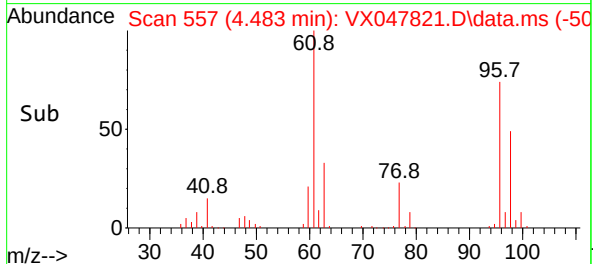
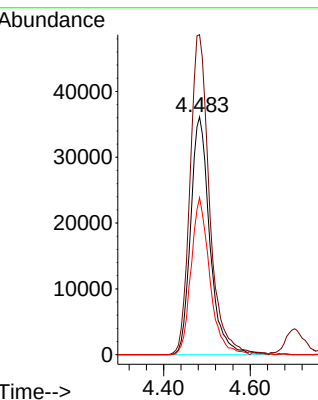
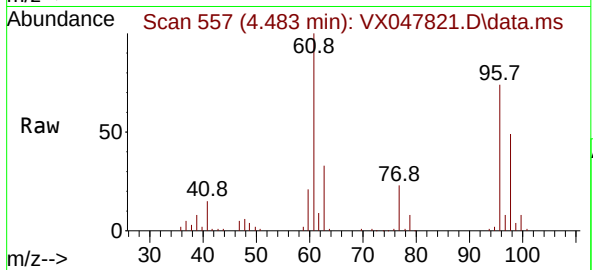
98 64.4 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#28

Bromochloromethane

Concen: 56.559 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

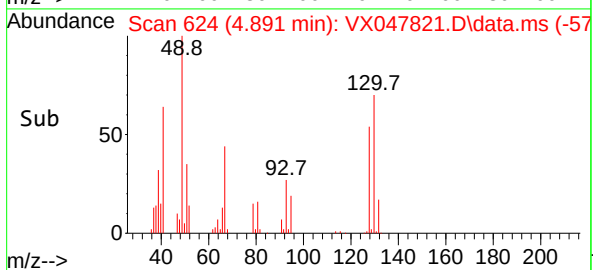
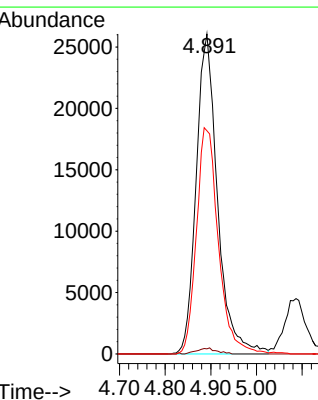
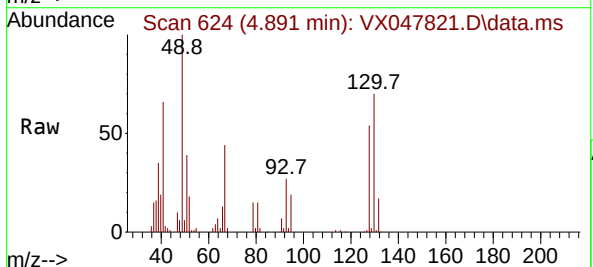
Tgt Ion: 49 Resp: 84490

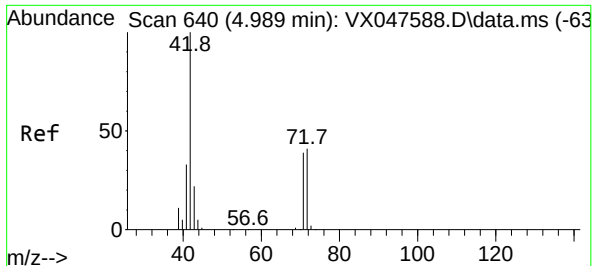
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.2

130 72.6 57.8 86.8





#29

Tetrahydrofuran

Concen: 295.642 ug/l

RT: 4.995 min Scan# 641

Delta R.T. 0.006 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion: 42 Resp: 20803

Ion Ratio Lower Upper

42 100

72 42.3 34.2 51.2

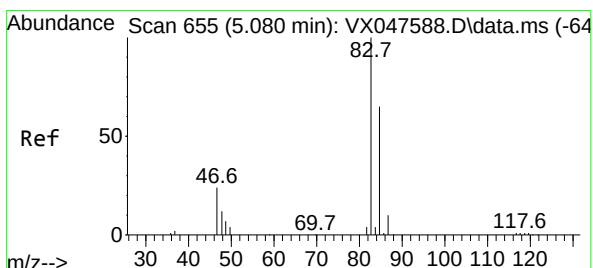
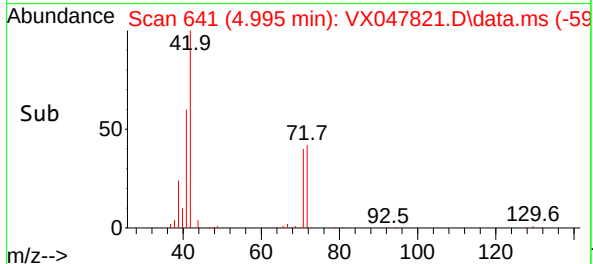
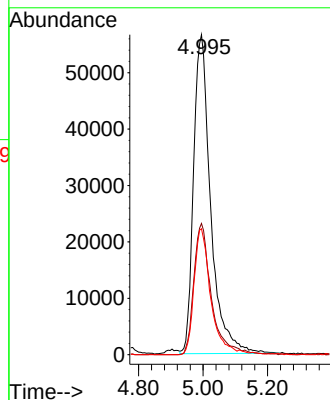
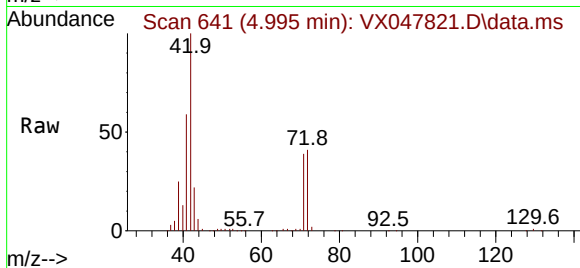
71 38.2 31.9 47.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#30

Chloroform

Concen: 53.822 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX047821.D

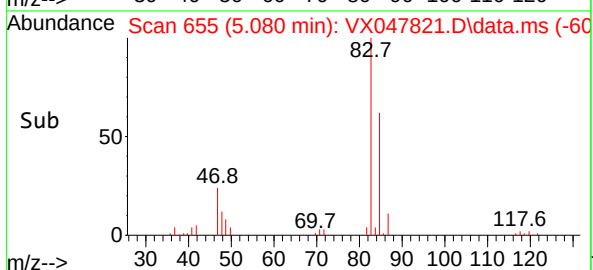
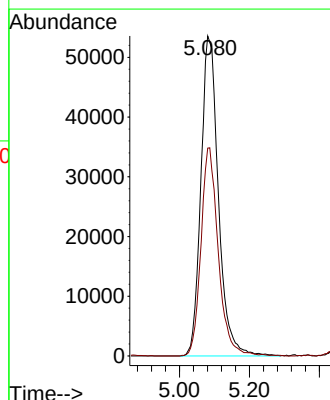
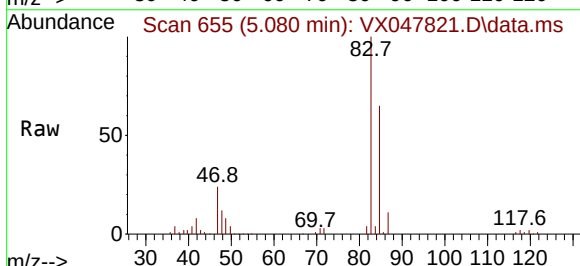
Acq: 25 Sep 2025 18:27

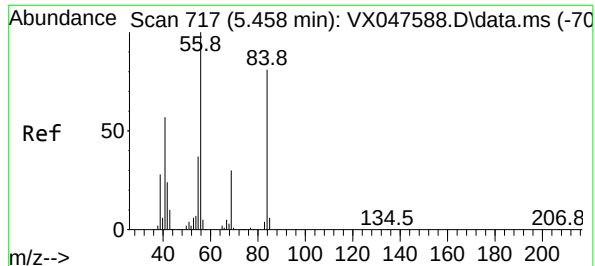
Tgt Ion: 83 Resp: 186106

Ion Ratio Lower Upper

83 100

85 66.2 51.8 77.6





#31

Cyclohexane

Concen: 46.664 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion: 56 Resp: 132989

Ion Ratio Lower Upper

56 100

69 28.0 23.8 35.8

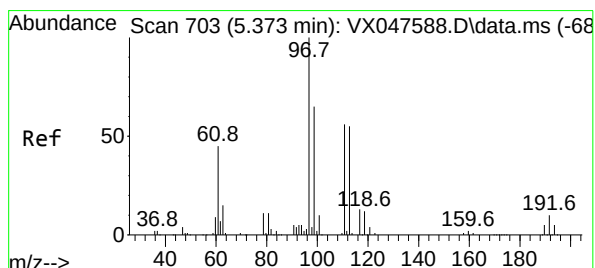
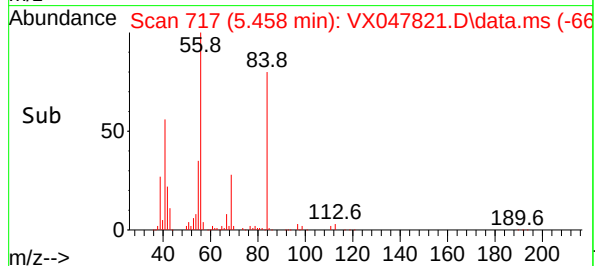
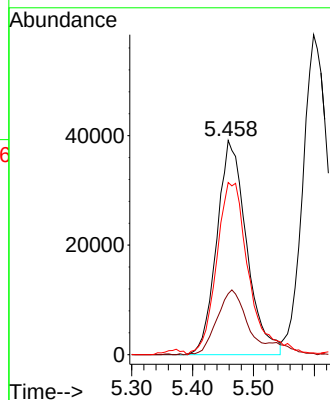
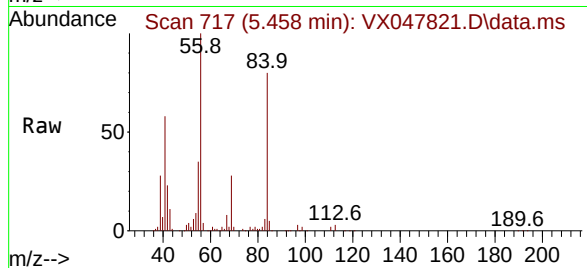
84 78.8 64.6 97.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#32

1,1,1-Trichloroethane

Concen: 50.756 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

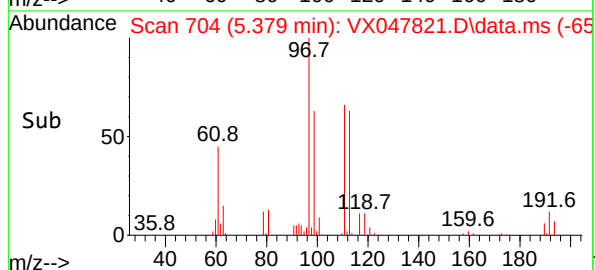
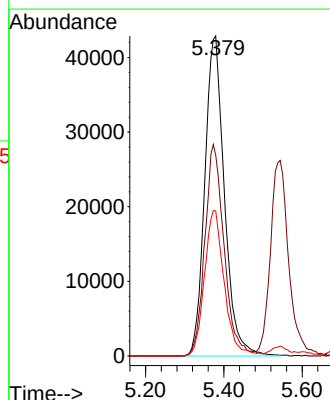
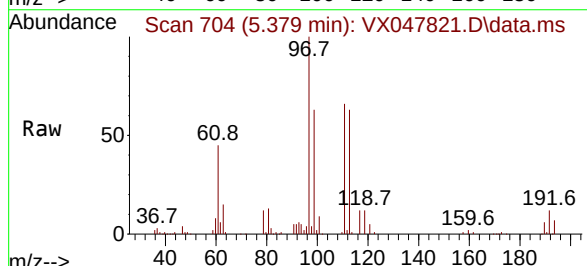
Tgt Ion: 97 Resp: 148866

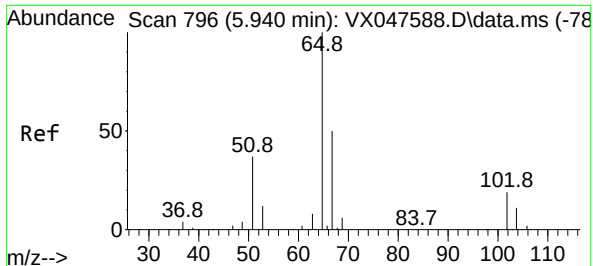
Ion Ratio Lower Upper

97 100

99 64.6 50.6 76.0

61 45.8 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 57.011 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion: 65 Resp: 122958

Ion Ratio Lower Upper

65 100

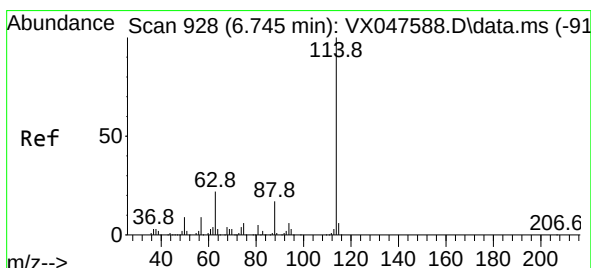
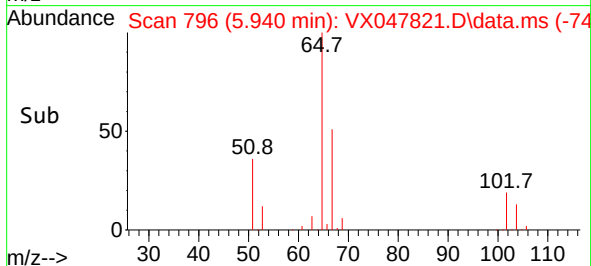
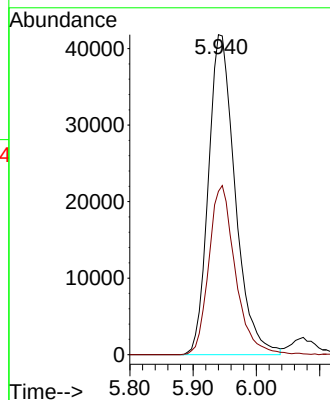
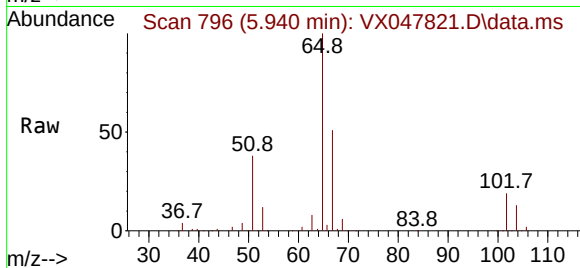
67 52.2 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

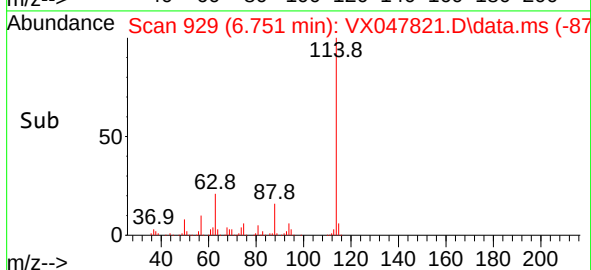
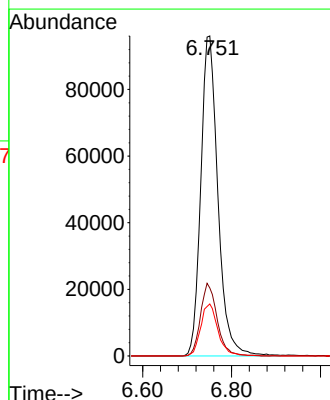
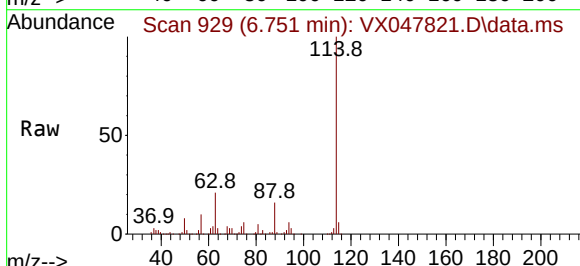
Tgt Ion:114 Resp: 257414

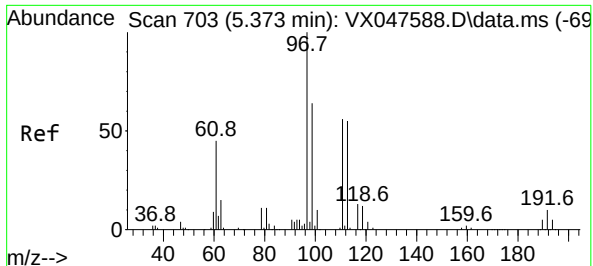
Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.0

88 16.3 0.0 34.2





#35

Dibromofluoromethane

Concen: 53.228 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion:113 Resp: 9189

Ion Ratio Lower Upper

113 100

111 103.4 80.9 121.3

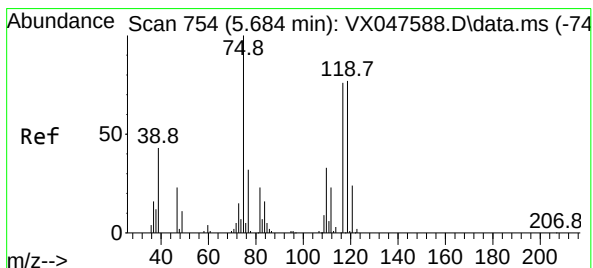
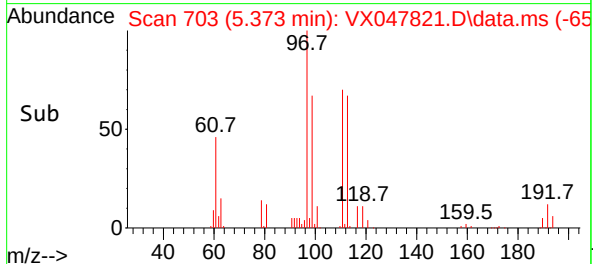
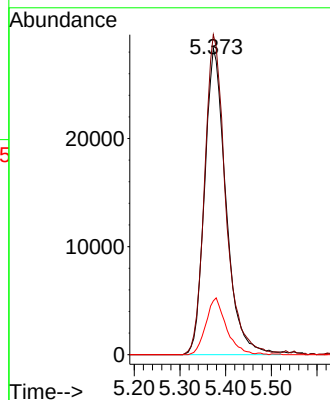
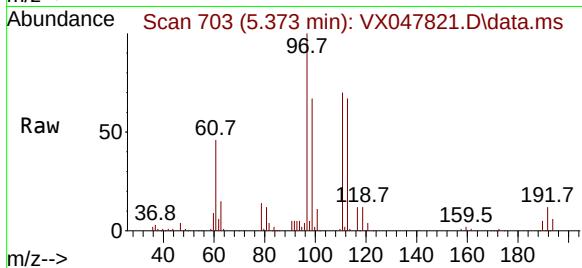
192 17.7 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#36

1,1-Dichloropropene

Concen: 46.090 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

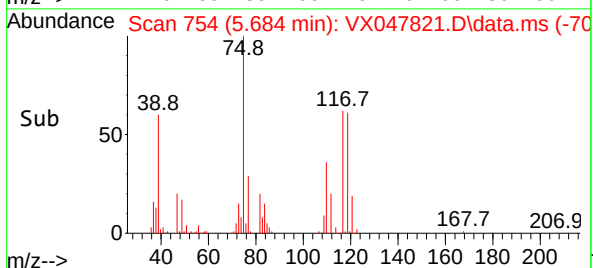
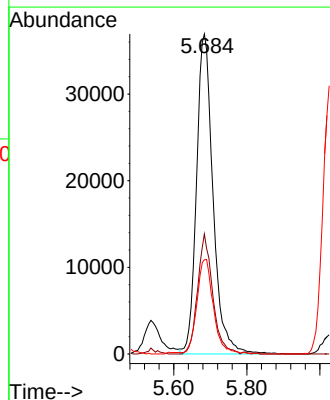
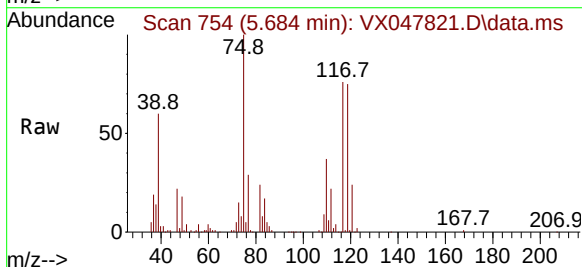
Tgt Ion: 75 Resp: 116268

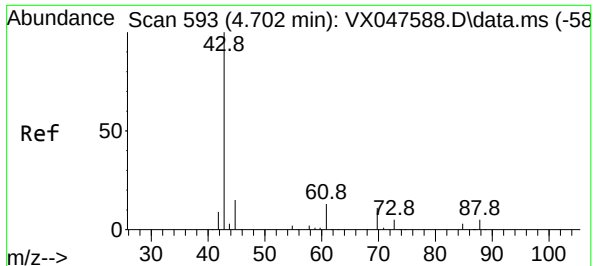
Ion Ratio Lower Upper

75 100

110 34.2 16.7 50.1

77 29.6 24.3 36.5





#37

Ethyl Acetate

Concen: 36.048 ug/l

RT: 4.702 min Scan# 593

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

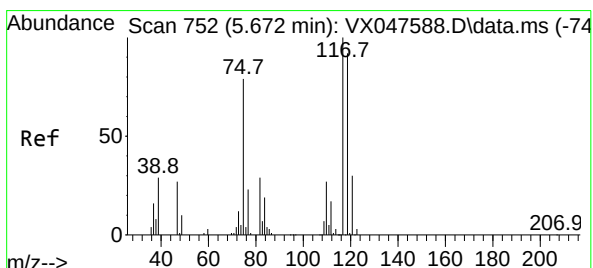
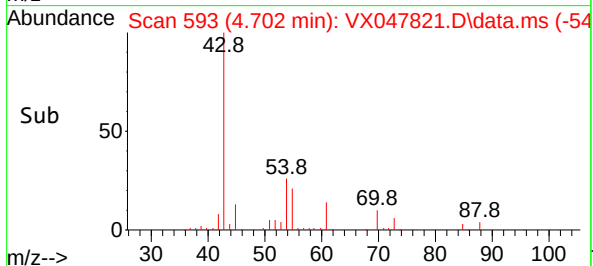
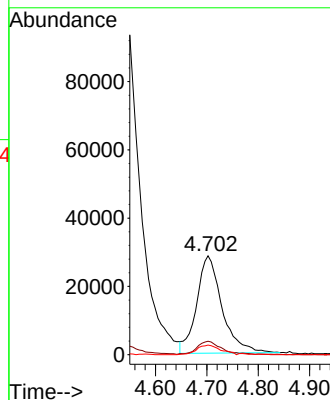
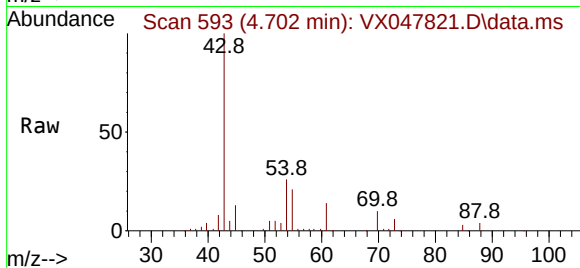
BP-VPB-184-GW-320-322MS

Tgt Ion:	43	Resp:	9736
Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.8	14.8
70	9.5	7.9	11.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#38

Carbon Tetrachloride

Concen: 46.438 ug/l

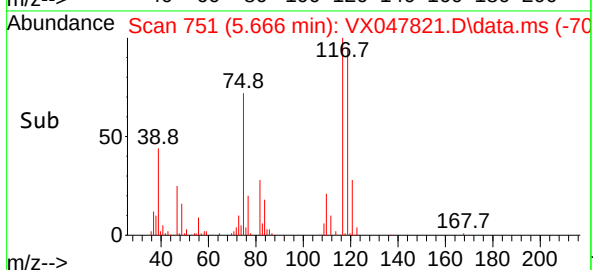
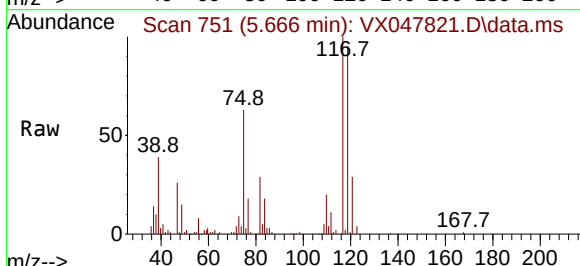
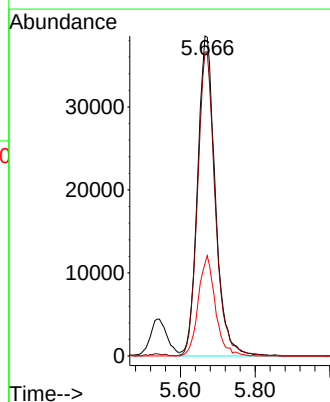
RT: 5.666 min Scan# 751

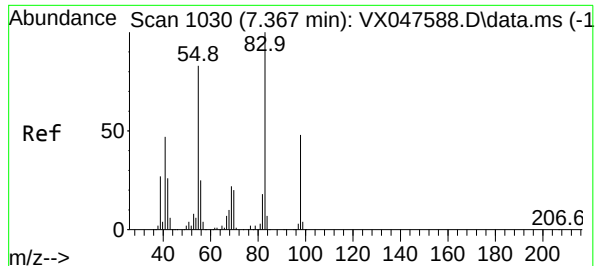
Delta R.T. -0.006 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Tgt Ion:	117	Resp:	127279
Ion	Ratio	Lower	Upper
117	100		
119	94.7	73.4	110.2
121	29.0	23.8	35.6





#39

Methylcyclohexane

Concen: 40.368 ug/l

RT: 7.367 min Scan# 110

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

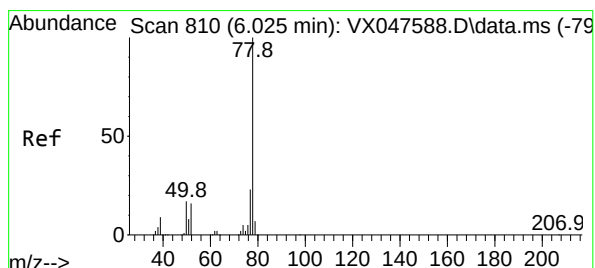
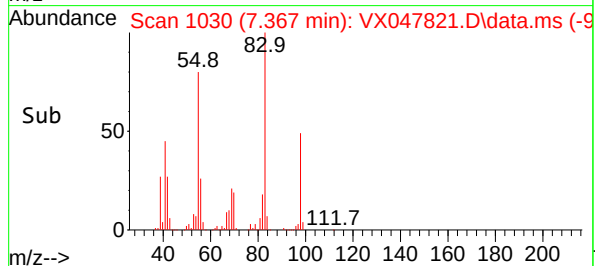
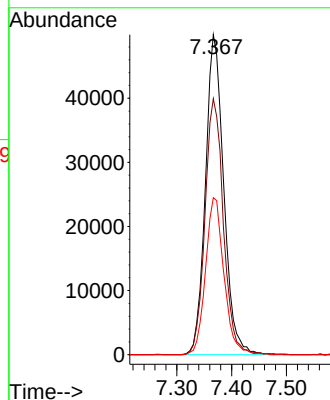
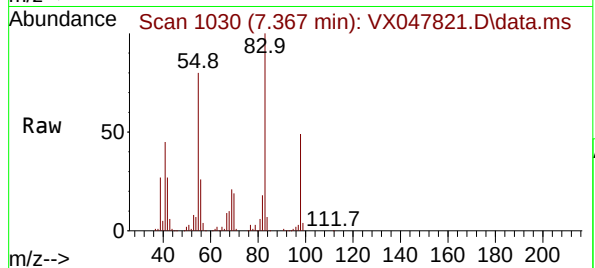
BP-VPB-184-GW-320-322MS

Tgt Ion:	83	Resp:	115594
Ion	Ratio	Lower	Upper
83	100		
55	80.0	66.4	99.6
98	49.1	38.1	57.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#40

Benzene

Concen: 49.704 ug/l

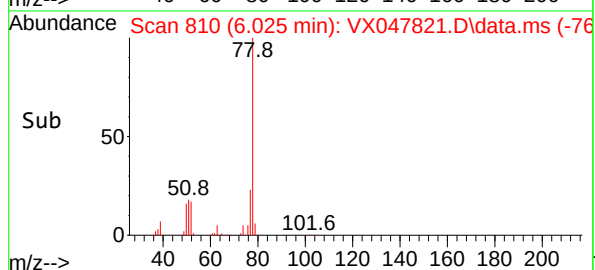
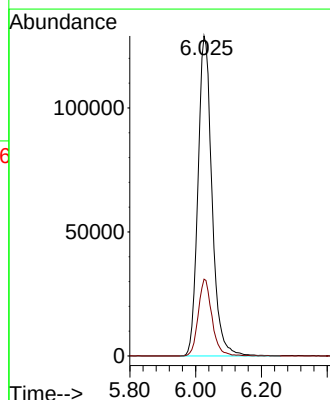
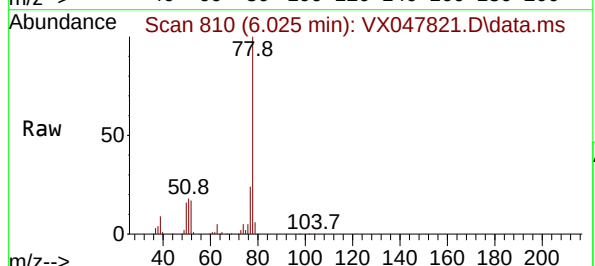
RT: 6.025 min Scan# 810

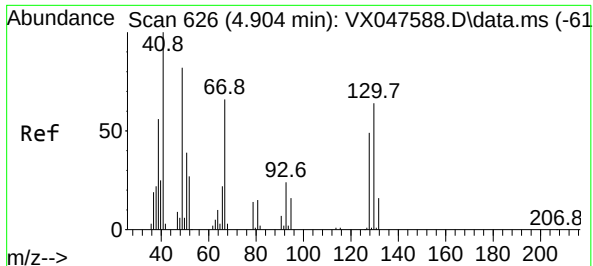
Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

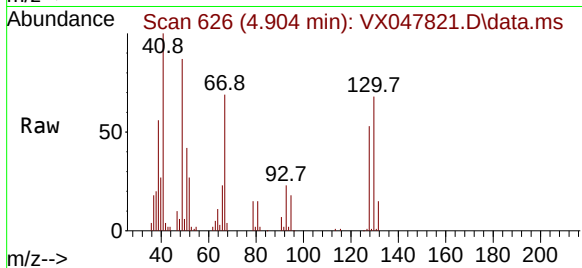
Tgt Ion:	78	Resp:	380825
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





#41
Methacrylonitrile
Concen: 54.471 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

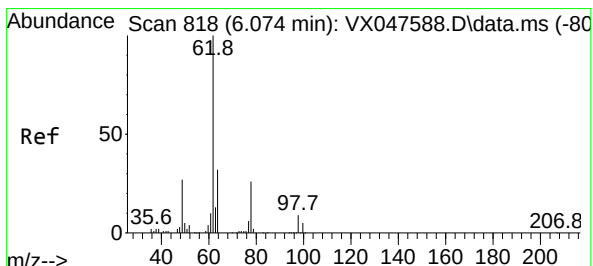
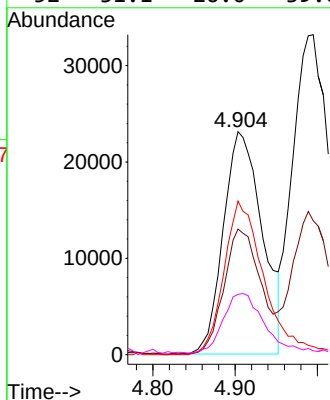
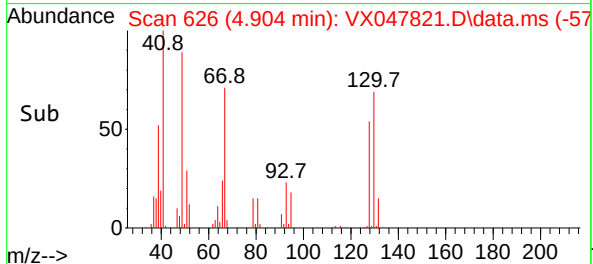
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS



Tgt Ion: 41 Resp: 75954
Ion Ratio Lower Upper
41 100
39 53.0 43.3 64.9
67 71.4 58.6 87.8
52 31.1 26.0 39.0

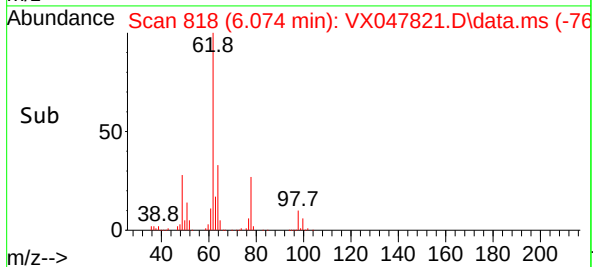
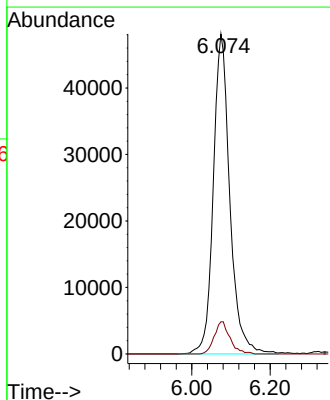
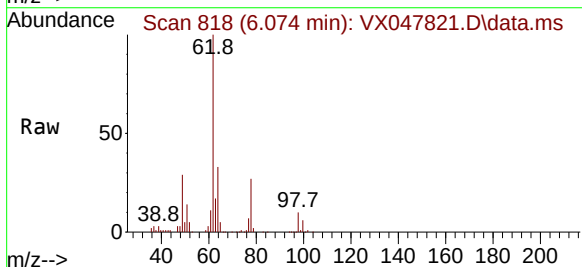
Manual Integrations
APPROVED

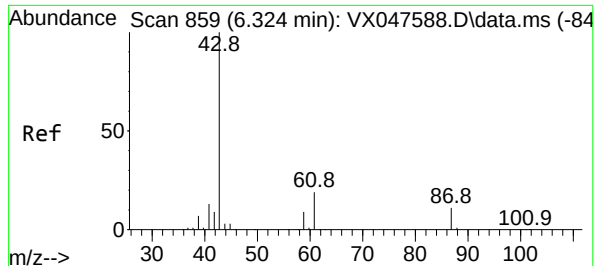
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#42
1,2-Dichloroethane
Concen: 48.378 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 62 Resp: 141033
Ion Ratio Lower Upper
62 100
98 9.6 0.0 17.0





#43

Isopropyl Acetate

Concen: 40.830 ug/l

RT: 6.324 min Scan# 859

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

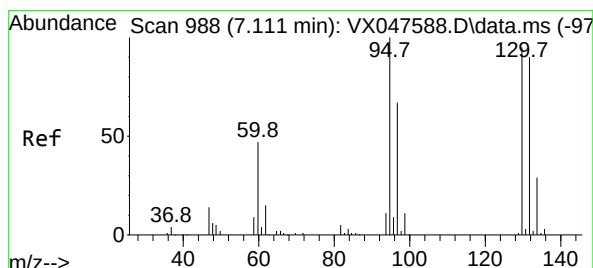
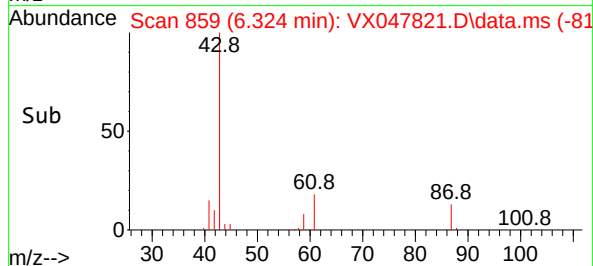
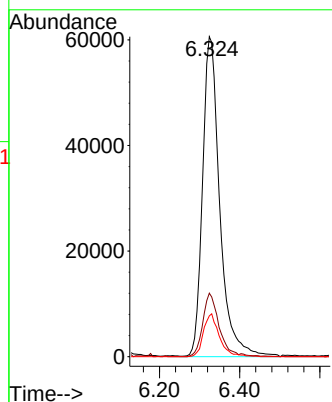
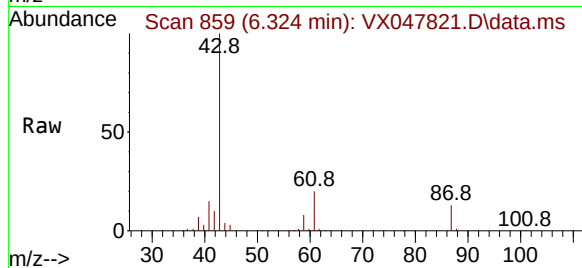
BP-VPB-184-GW-320-322MS

Tgt Ion:	43	Resp:	180870
Ion Ratio	Lower	Upper	
43	100		
61	19.0	15.2	22.8
87	12.4	9.6	14.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#44

Trichloroethene

Concen: 48.166 ug/l

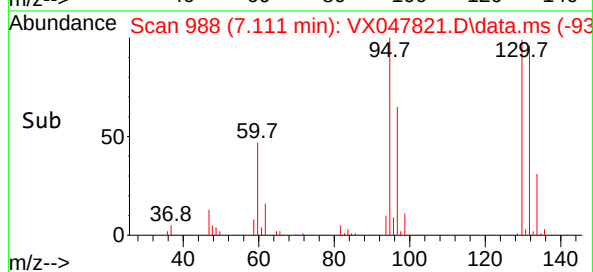
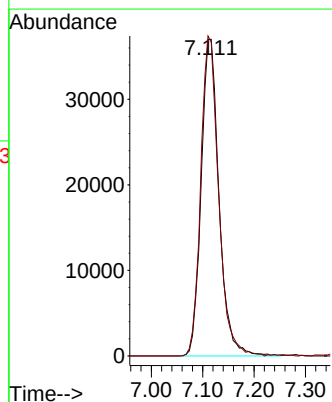
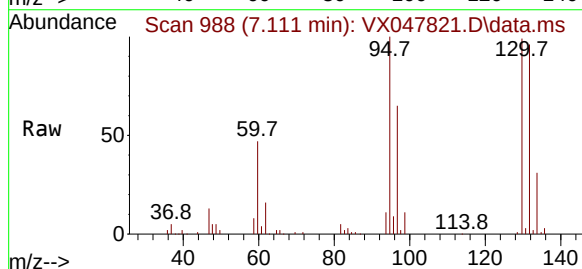
RT: 7.111 min Scan# 988

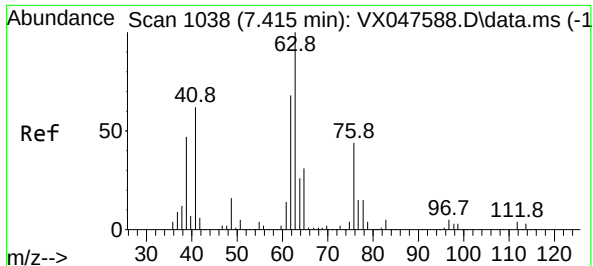
Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Tgt Ion:	130	Resp:	89220
Ion Ratio	Lower	Upper	
130	100		
95	101.1	0.0	210.8





#45

1,2-Dichloropropane

Concen: 50.229 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion: 63 Resp: 9854

Ion Ratio Lower Upper

63 100

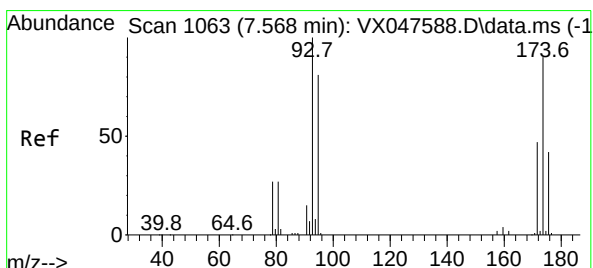
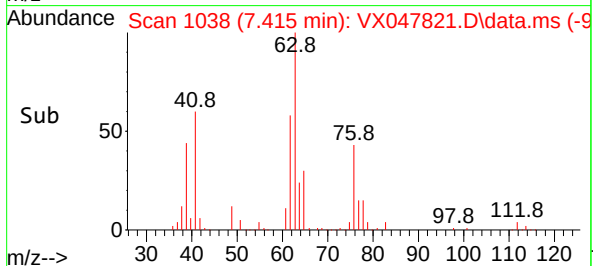
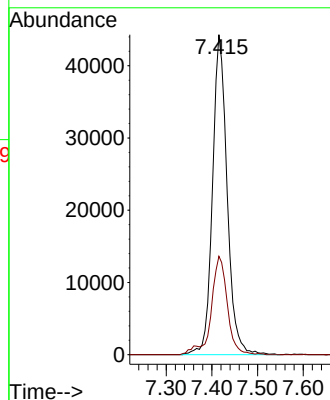
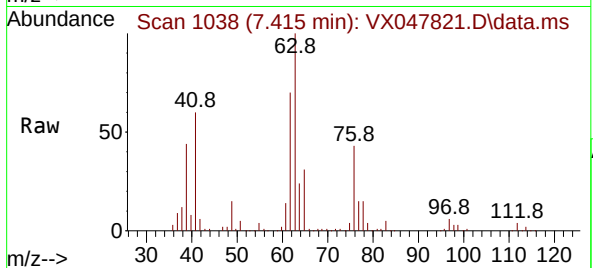
65 30.8 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#46

Dibromomethane

Concen: 50.231 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

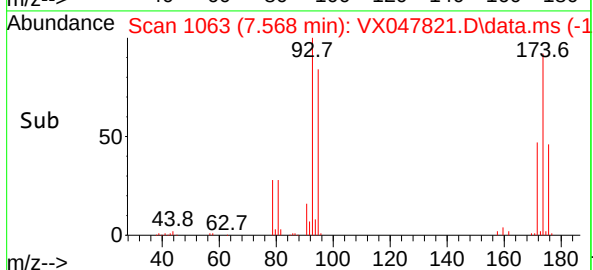
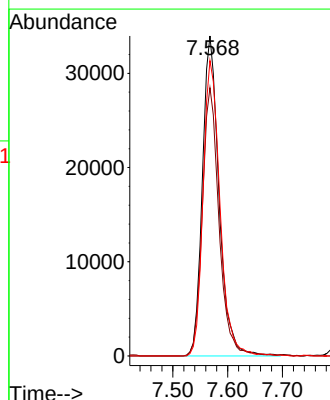
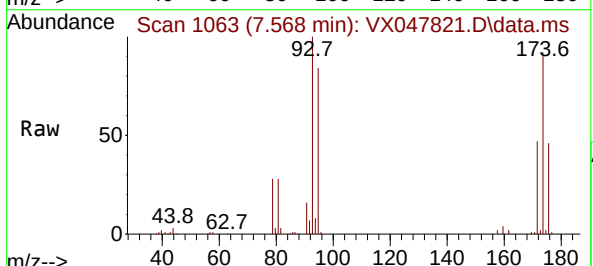
Tgt Ion: 93 Resp: 71714

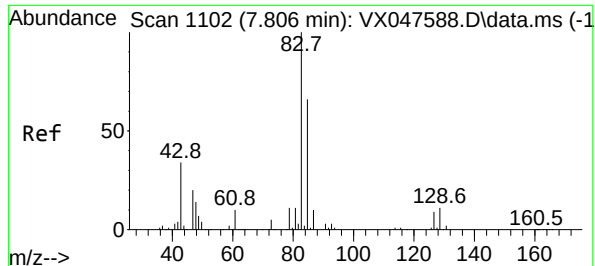
Ion Ratio Lower Upper

93 100

95 83.8 65.0 97.6

174 93.1 71.6 107.4





#47

Bromodichloromethane

Concen: 50.043 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

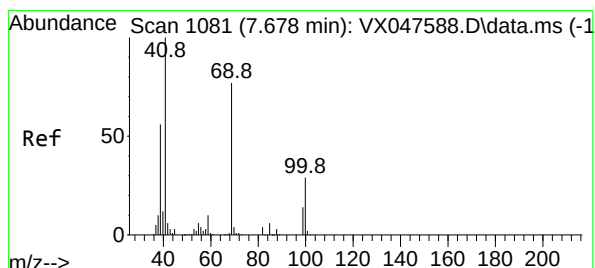
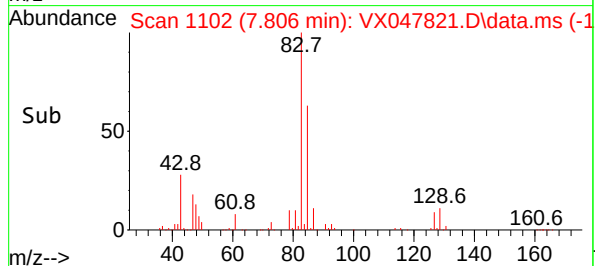
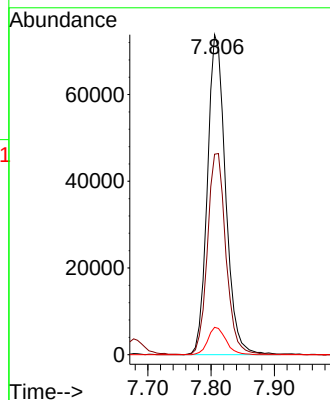
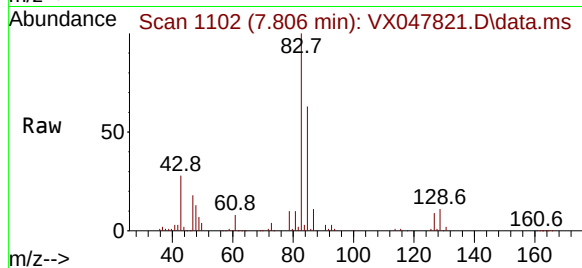
BP-VPB-184-GW-320-322MS

Tgt Ion:	83	Resp:	14743
Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.5	78.7
127	8.6	6.9	10.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#48

Methyl methacrylate

Concen: 49.636 ug/l

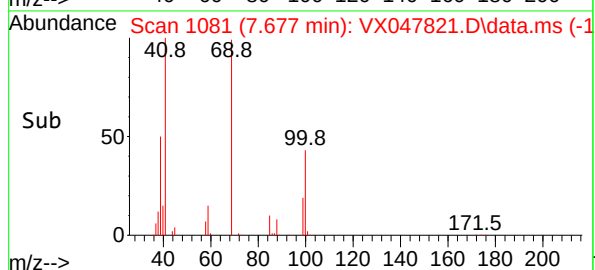
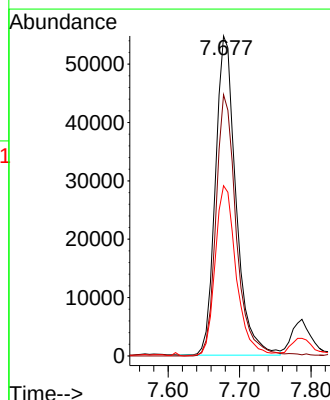
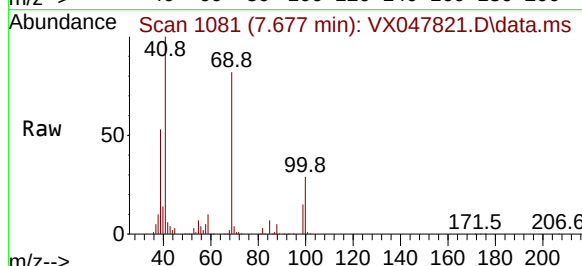
RT: 7.677 min Scan# 1081

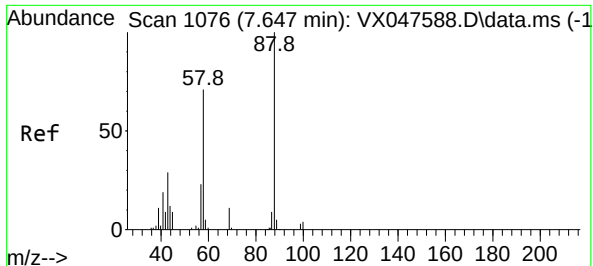
Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Tgt Ion:	41	Resp:	109524
Ion	Ratio	Lower	Upper
41	100		
69	80.3	61.4	92.2
39	54.7	45.8	68.6





#49

1,4-Dioxane

Concen: 1240.210 ug/l

RT: 7.647 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VX047821.D

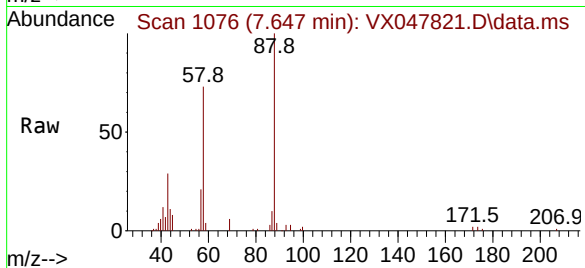
Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

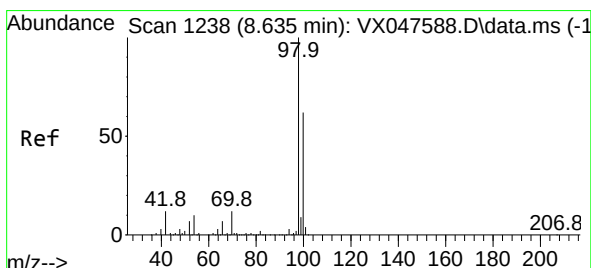
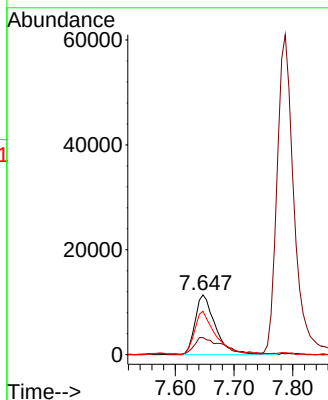
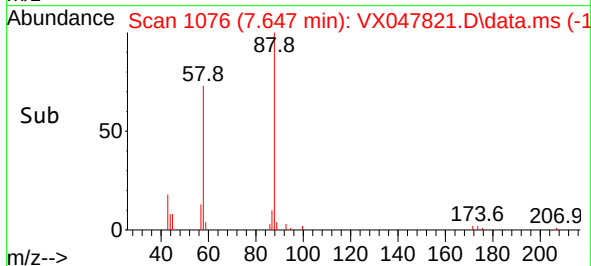


Tgt Ion:	88	Resp:	27650
Ion	Ratio	Lower	Upper
88	100		
43	36.9	30.2	45.2
58	72.9	59.5	89.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#50

Toluene-d8

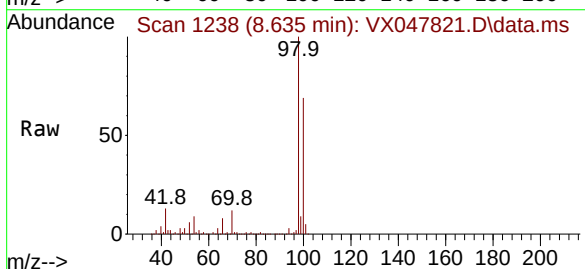
Concen: 50.655 ug/l

RT: 8.635 min Scan# 1238

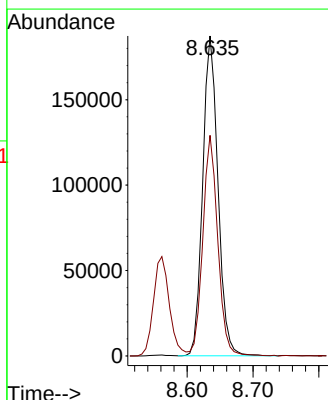
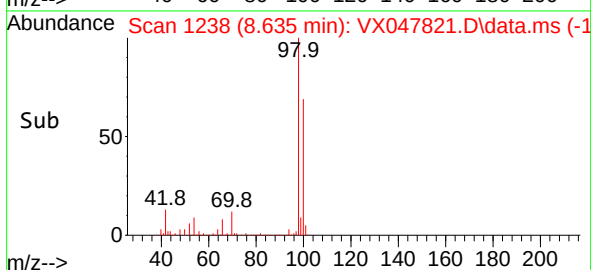
Delta R.T. -0.000 min

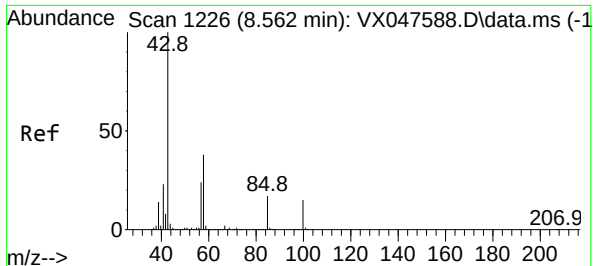
Lab File: VX047821.D

Acq: 25 Sep 2025 18:27



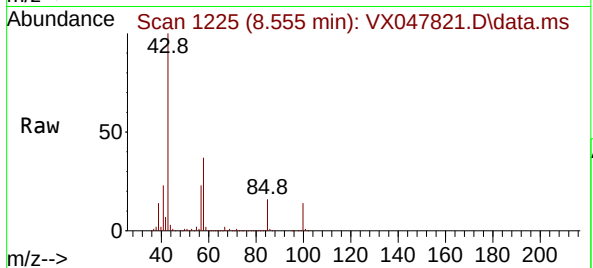
Tgt Ion:	98	Resp:	302587
Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 276.211 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

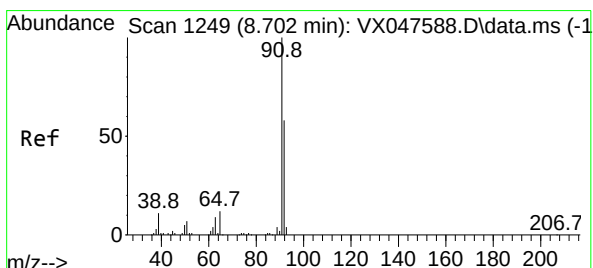
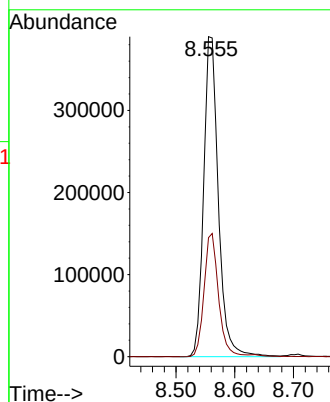
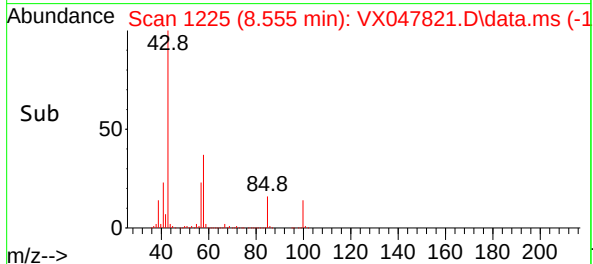
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS



Tgt Ion: 43 Resp: 678398
Ion Ratio Lower Upper
43 100
58 37.9 30.3 45.5

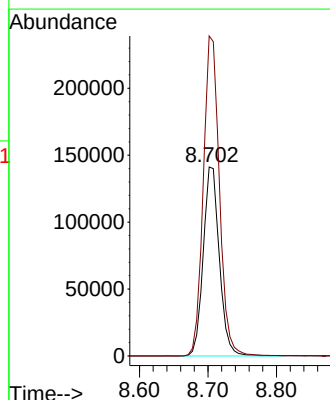
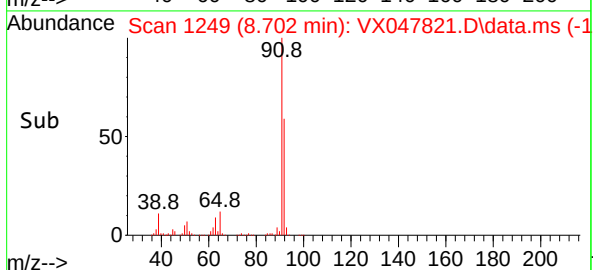
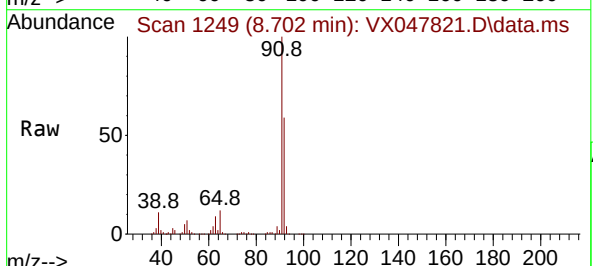
Manual Integrations
APPROVED

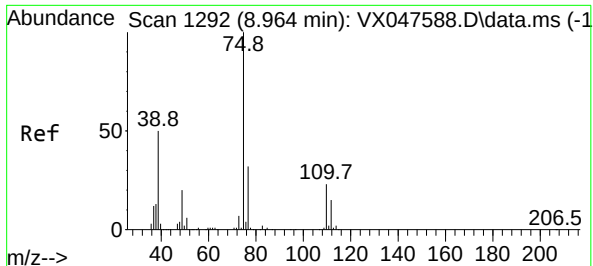
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#52
Toluene
Concen: 48.930 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 92 Resp: 230973
Ion Ratio Lower Upper
92 100
91 170.1 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 40.672 ug/l

RT: 8.964 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion: 75 Resp: 12222

Ion Ratio Lower Upper

75 100

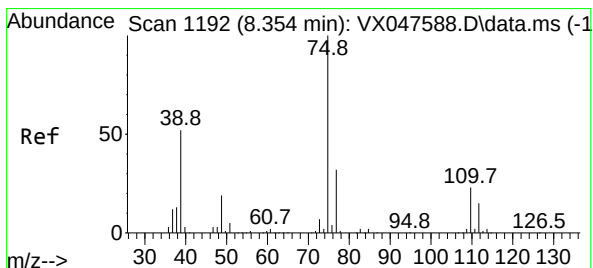
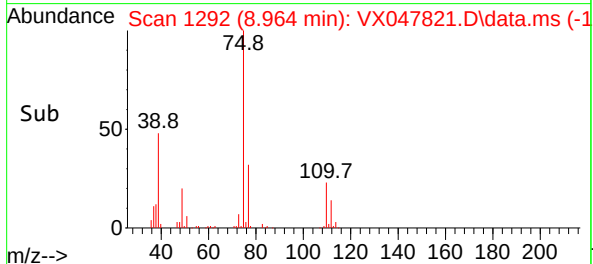
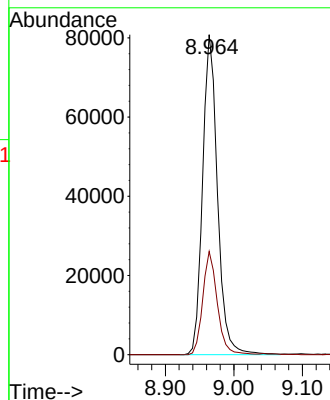
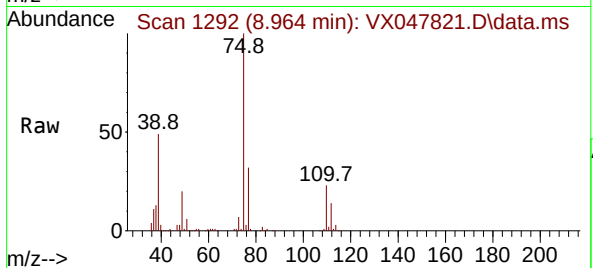
77 32.2 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#54

cis-1,3-Dichloropropene

Concen: 40.987 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

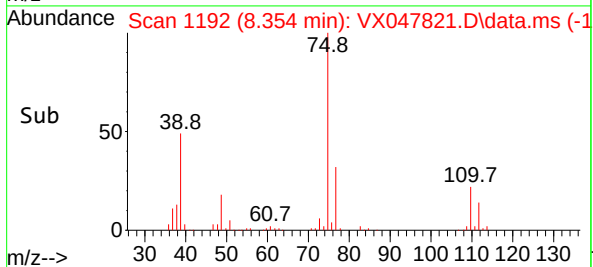
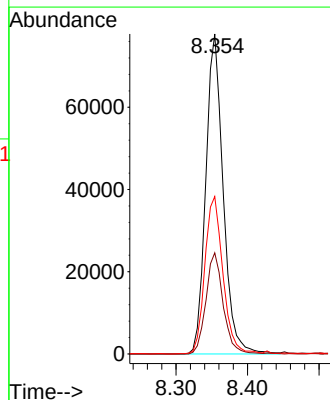
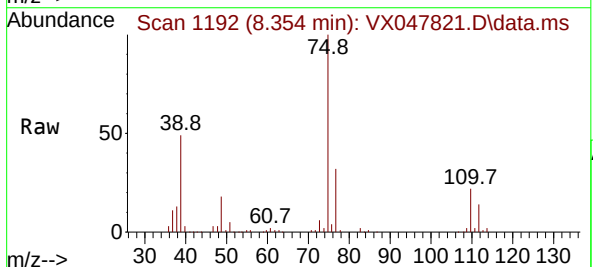
Tgt Ion: 75 Resp: 131647

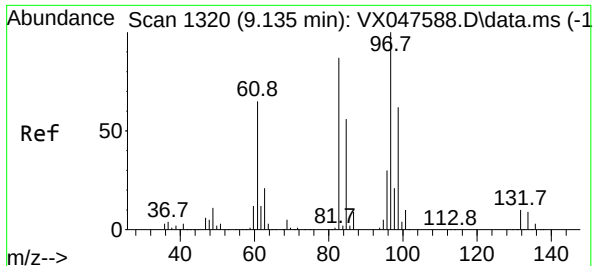
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

39 48.4 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 51.493 ug/l

RT: 9.135 min Scan# 1320

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

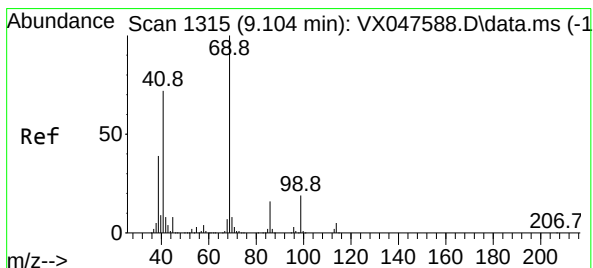
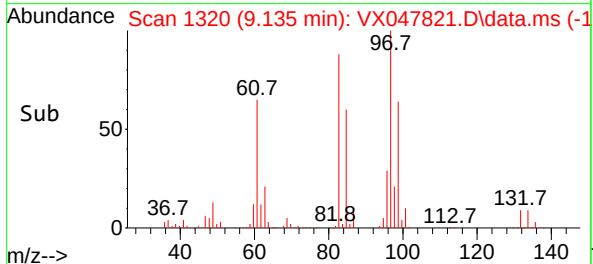
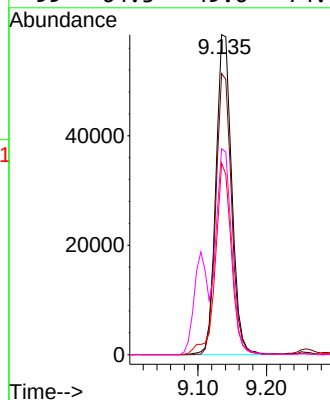
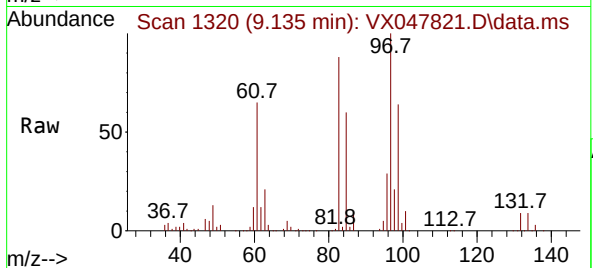
Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.6	104.4
85	59.7	45.0	67.6
99	64.3	49.6	74.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#56

Ethyl methacrylate

Concen: 51.689 ug/l

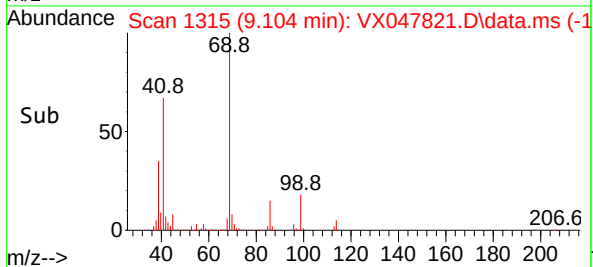
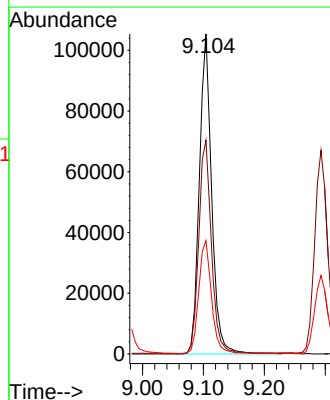
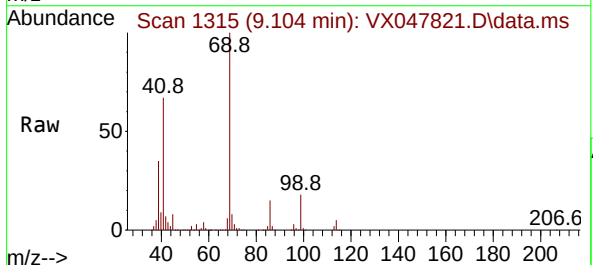
RT: 9.104 min Scan# 1315

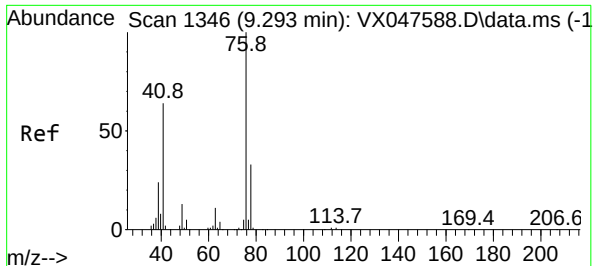
Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.9	58.6	87.8
39	36.6	31.5	47.3





#57

1,3-Dichloropropane

Concen: 52.323 ug/l

RT: 9.293 min Scan# 1346

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion: 76 Resp: 163602

Ion Ratio Lower Upper

76 100

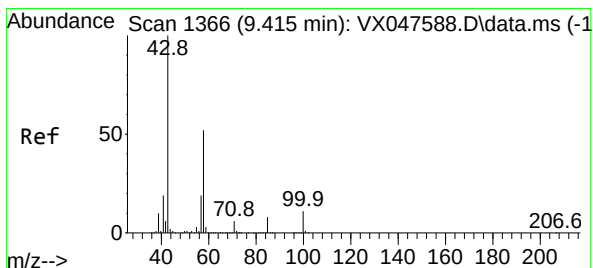
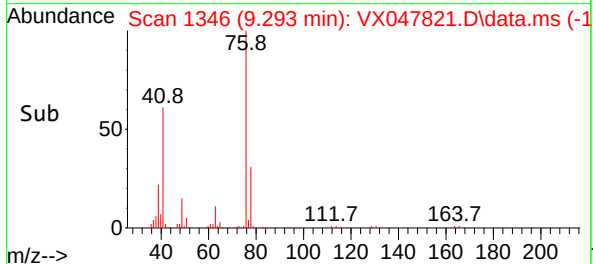
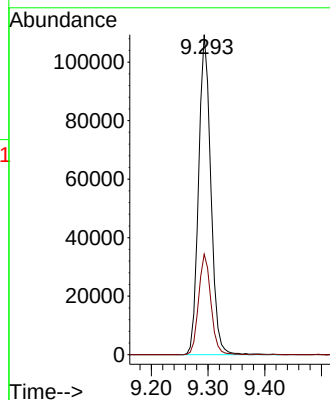
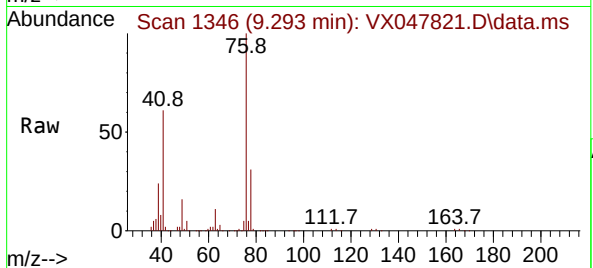
78 31.5 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#59

2-Hexanone

Concen: 264.631 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. -0.000 min

Lab File: VX047821.D

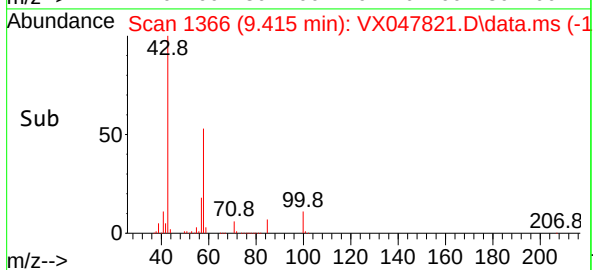
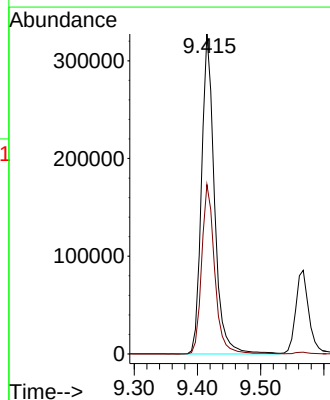
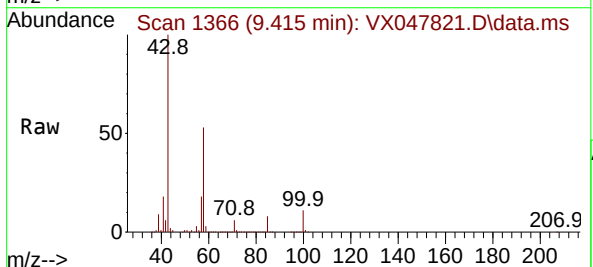
Acq: 25 Sep 2025 18:27

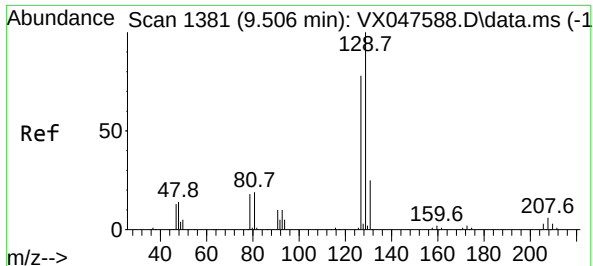
Tgt Ion: 43 Resp: 466801

Ion Ratio Lower Upper

43 100

58 53.4 26.1 78.2





#60

Dibromochloromethane

Concen: 51.259 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion:129 Resp: 10750

Ion Ratio Lower Upper

129 100

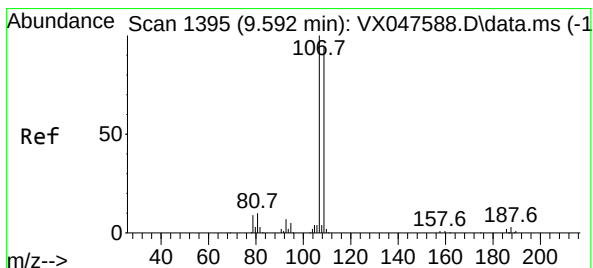
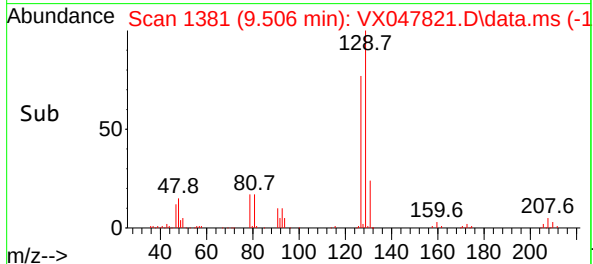
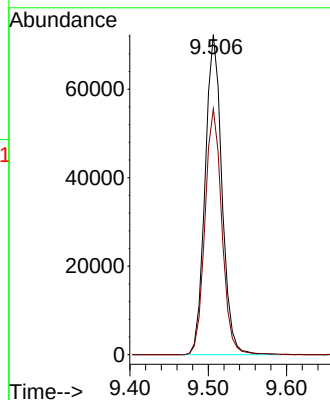
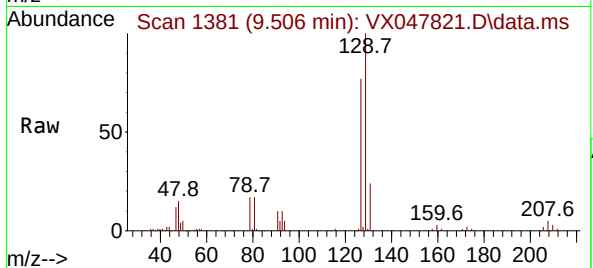
127 77.2 38.4 115.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#61

1,2-Dibromoethane

Concen: 53.001 ug/l

RT: 9.592 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VX047821.D

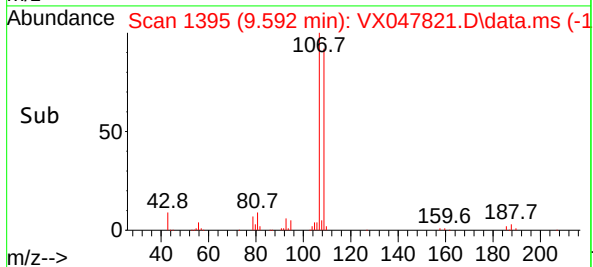
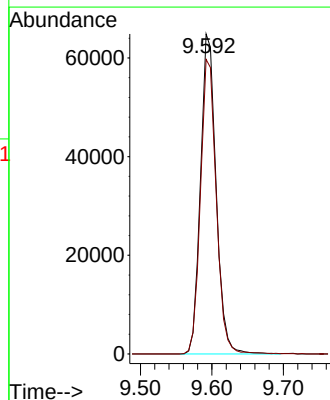
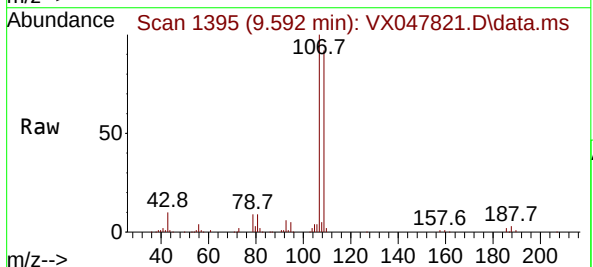
Acq: 25 Sep 2025 18:27

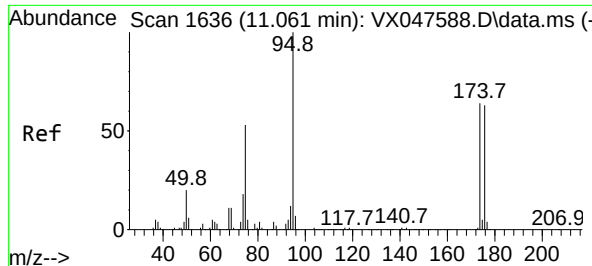
Tgt Ion:107 Resp: 98261

Ion Ratio Lower Upper

107 100

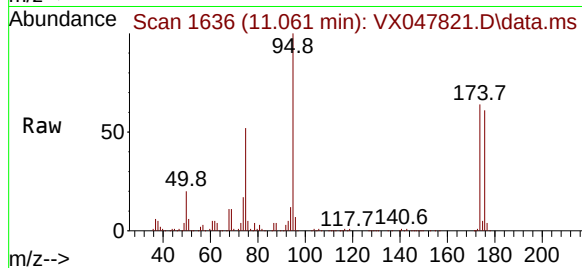
109 93.3 75.3 112.9





#62
4-Bromofluorobenzene
Concen: 53.298 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

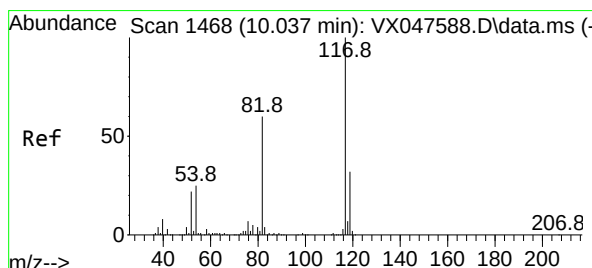
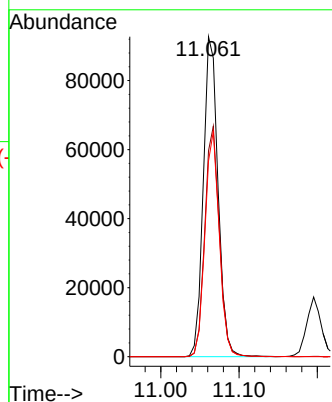
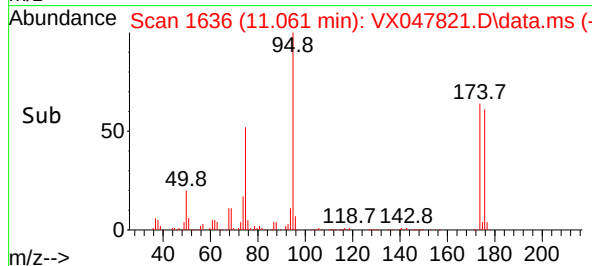
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS



Tgt Ion: 95 Resp: 12083
Ion Ratio Lower Upper
95 100
174 71.3 0.0 141.6
176 68.5 0.0 138.4

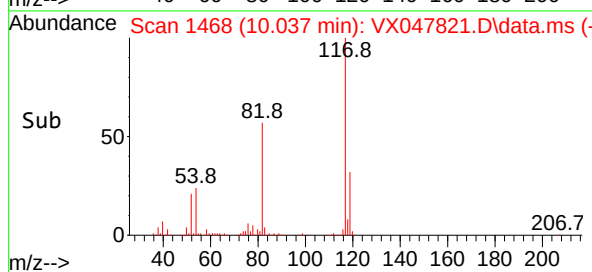
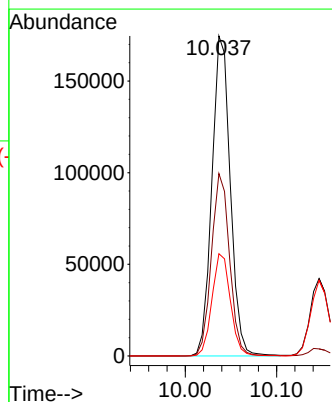
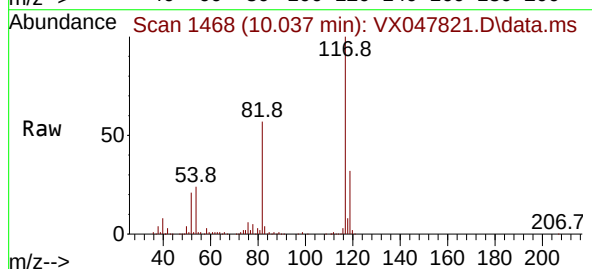
Manual Integrations
APPROVED

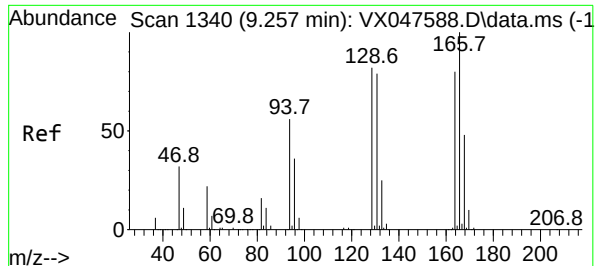
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion:117 Resp: 243581
Ion Ratio Lower Upper
117 100
82 57.0 47.8 71.6
119 31.9 25.2 37.8





#64

Tetrachloroethene

Concen: 42.420 ug/l

RT: 9.263 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX047821.D

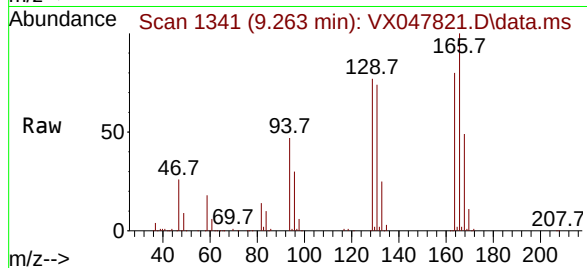
Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS



Tgt Ion:164 Resp: 67359

Ion Ratio Lower Upper

164 100

166 125.7 100.2 150.2

129 96.5 81.8 122.6

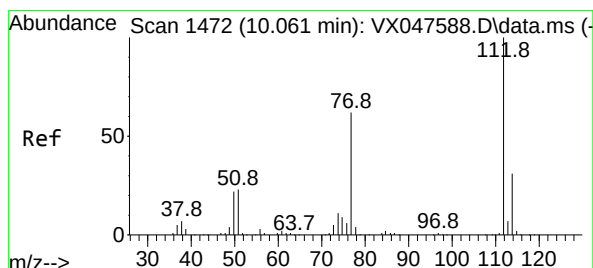
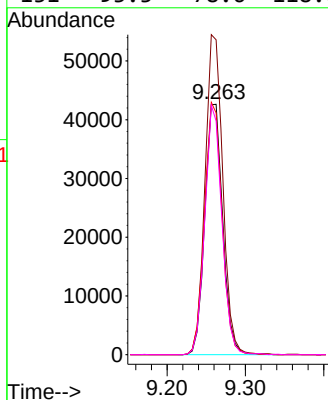
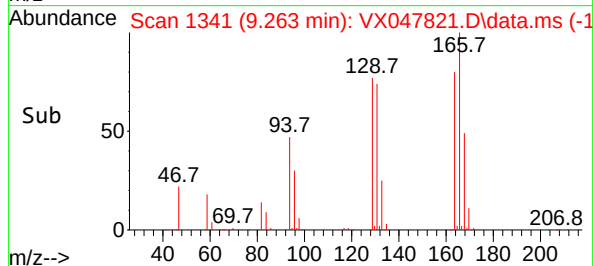
131 93.3 78.6 118.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#65

Chlorobenzene

Concen: 45.663 ug/l

RT: 10.061 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VX047821.D

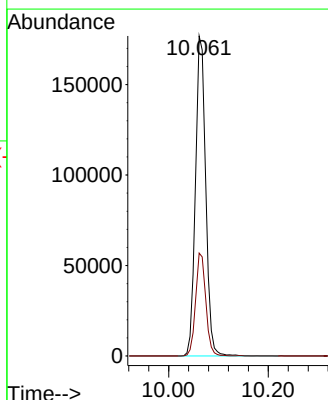
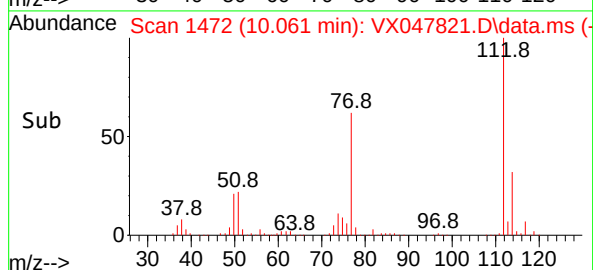
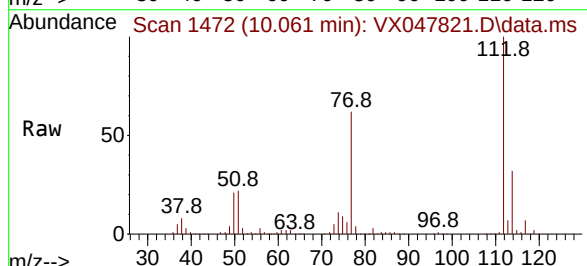
Acq: 25 Sep 2025 18:27

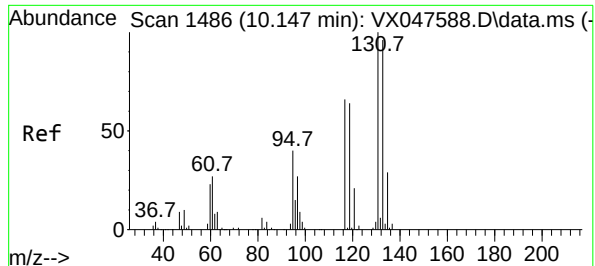
Tgt Ion:112 Resp: 252686

Ion Ratio Lower Upper

112 100

114 32.2 25.1 37.7





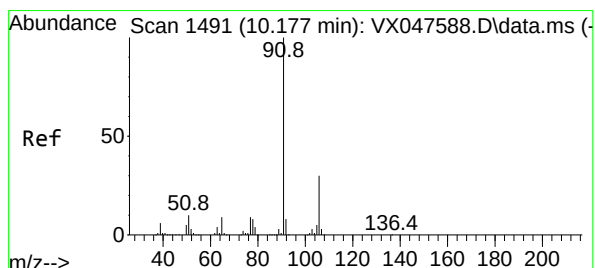
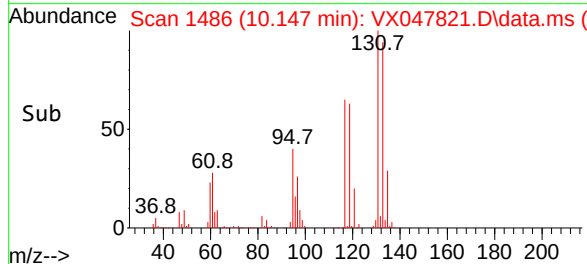
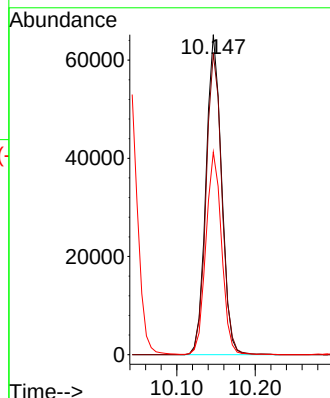
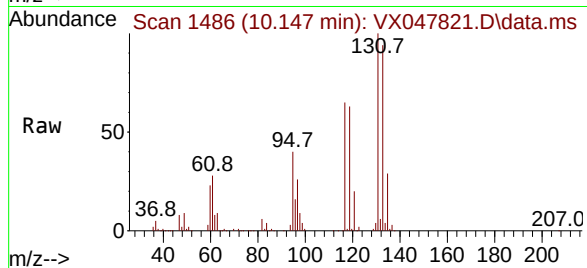
#66
1,1,1,2-Tetrachloroethane
Concen: 47.007 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

Tgt Ion:131 Resp: 8976
Ion Ratio Lower Upper
131 100
133 95.7 47.3 142.0
119 63.9 32.0 96.0

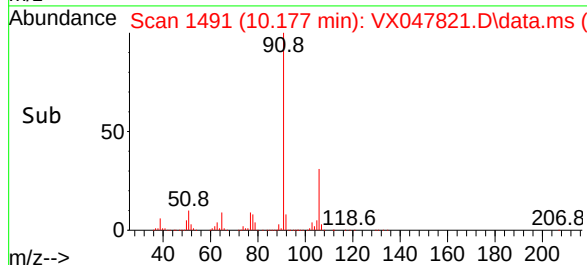
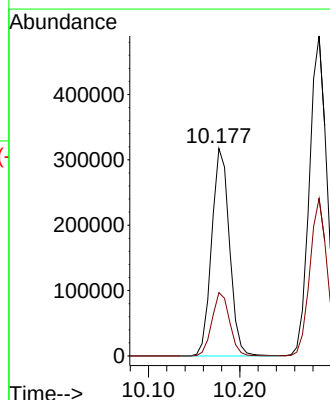
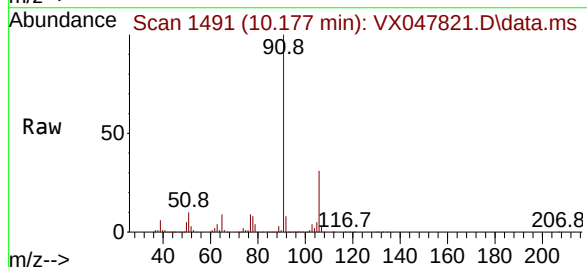
Manual Integrations
APPROVED

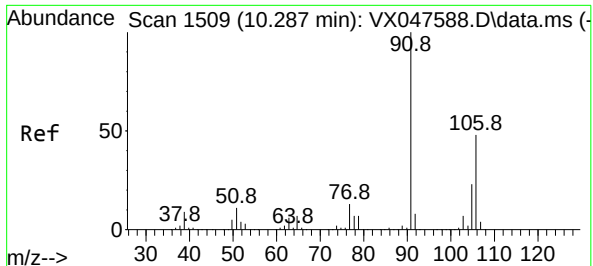
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#67
Ethyl Benzene
Concen: 44.879 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 91 Resp: 428505
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5





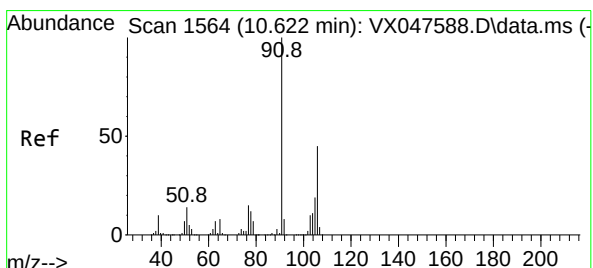
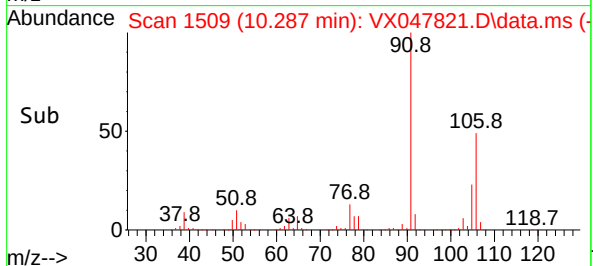
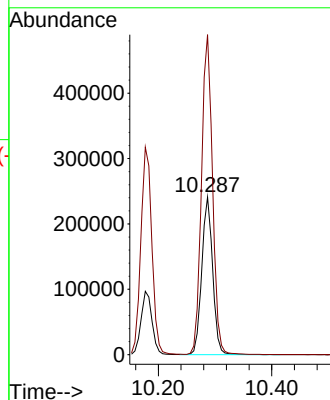
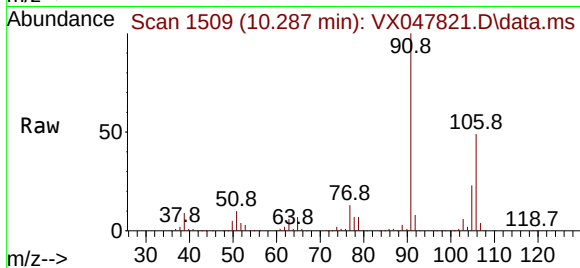
#68
m/p-Xylenes
Concen: 90.470 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

Tgt Ion:106 Resp: 321510
Ion Ratio Lower Upper
106 100
91 206.0 167.8 251.8

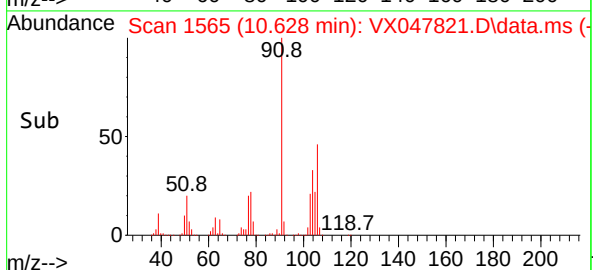
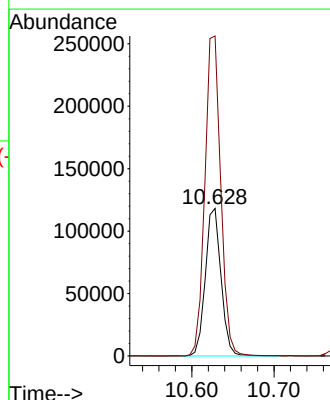
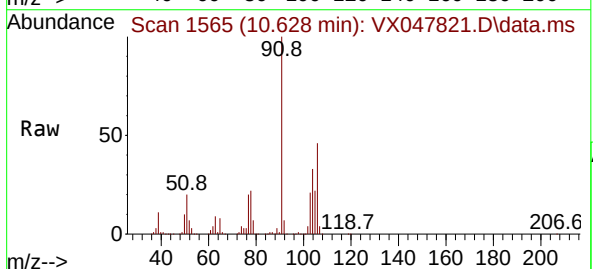
Manual Integrations
APPROVED

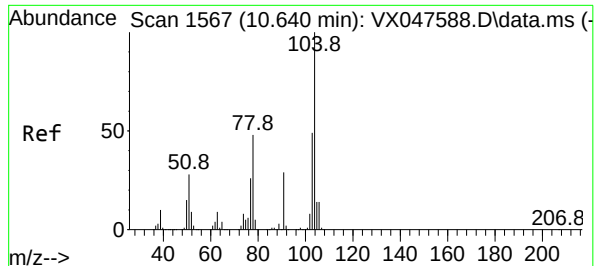
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#69
o-Xylene
Concen: 45.513 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

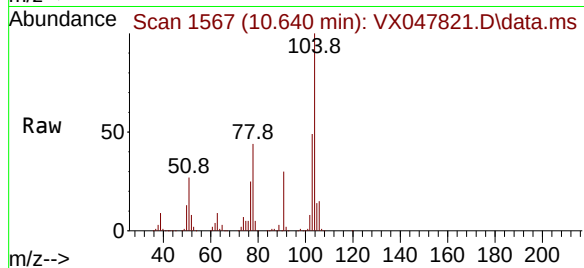
Tgt Ion:106 Resp: 156445
Ion Ratio Lower Upper
106 100
91 220.0 111.1 333.4





#70
Styrene
Concen: 42.517 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

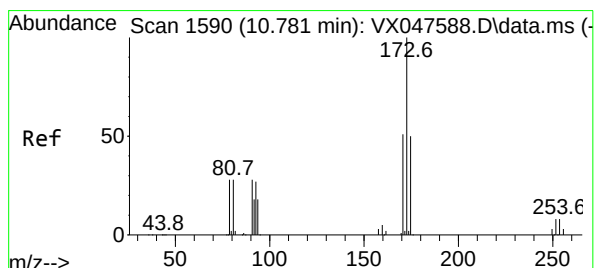
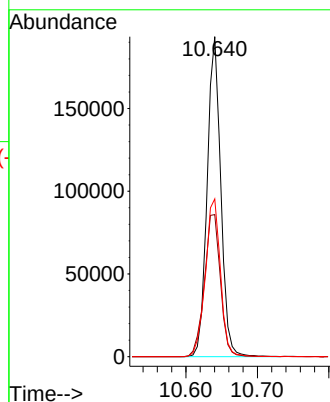
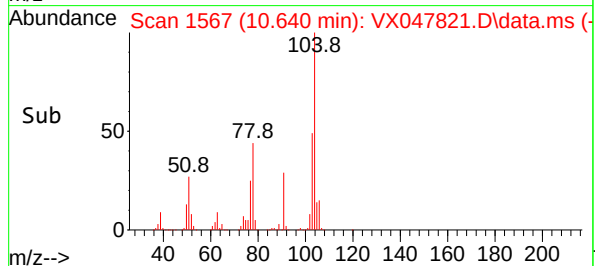
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS



Tgt Ion:104 Resp: 25607
Ion Ratio Lower Upper
104 100
78 52.3 43.1 64.7
103 54.7 43.1 64.7

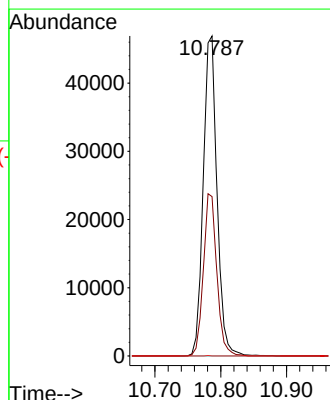
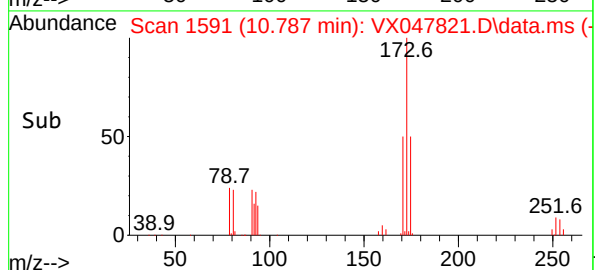
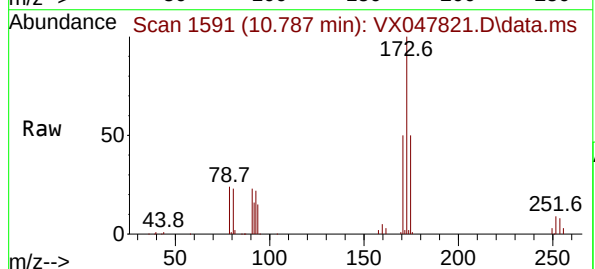
Manual Integrations
APPROVED

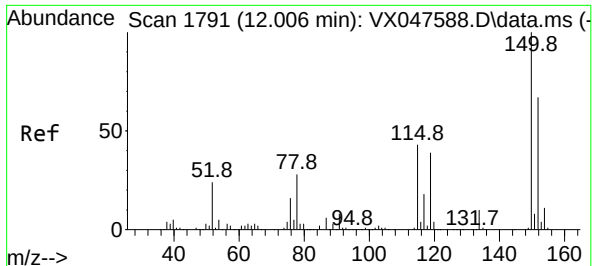
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#71
Bromoform
Concen: 47.822 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion:173 Resp: 68186
Ion Ratio Lower Upper
173 100
175 49.5 24.9 74.6
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion:152 Resp: 12195

Ion Ratio Lower Upper

152 100

115 82.9 44.9 134.5

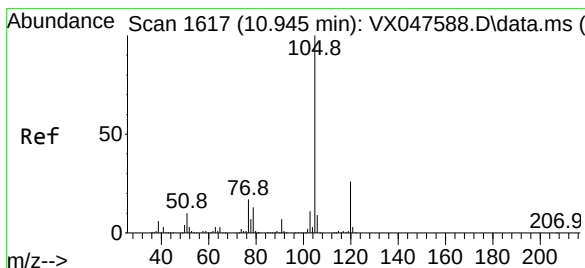
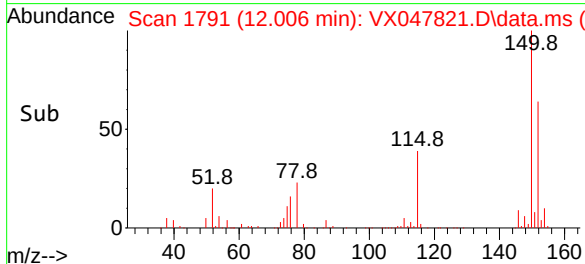
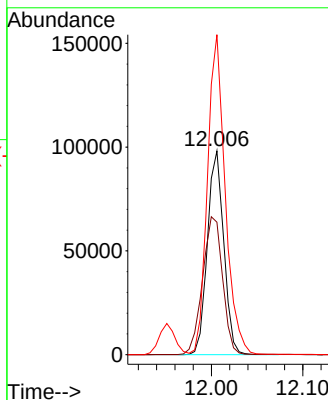
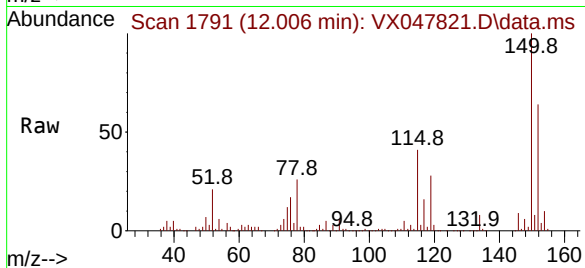
150 170.2 0.0 352.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#73

Isopropylbenzene

Concen: 42.335 ug/l

RT: 10.945 min Scan# 1617

Delta R.T. -0.000 min

Lab File: VX047821.D

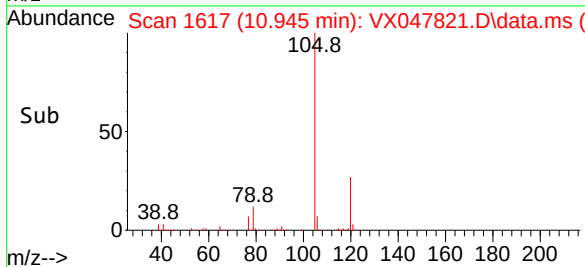
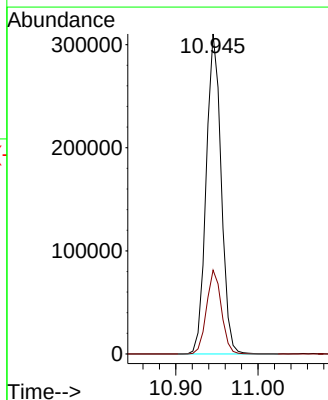
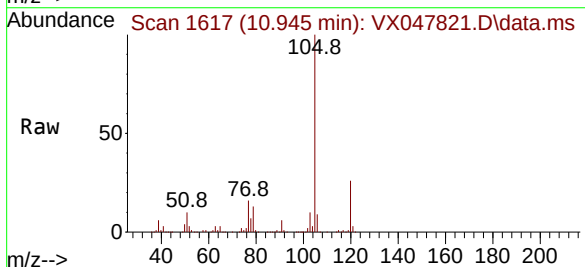
Acq: 25 Sep 2025 18:27

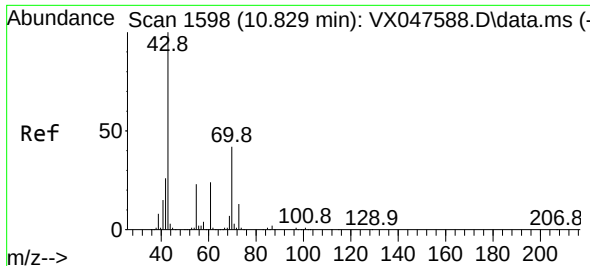
Tgt Ion:105 Resp: 392521

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4





#74

N-amy1 acetate

Concen: 31.160 ug/l

RT: 10.829 min Scan# 1598

Delta R.T. -0.000 min

Lab File: VX047821.D

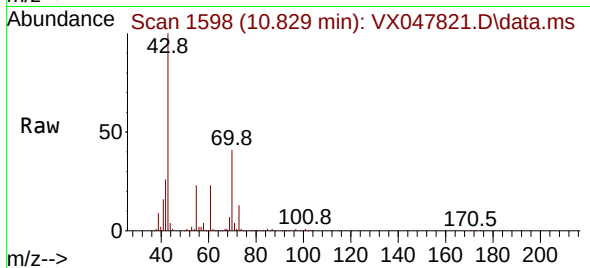
Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS



Tgt Ion: 43 Resp: 13174

Ion Ratio Lower Upper

43 100

70 40.4 32.0 48.0

55 24.2 18.9 28.3

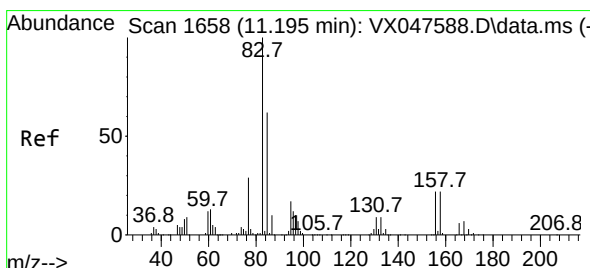
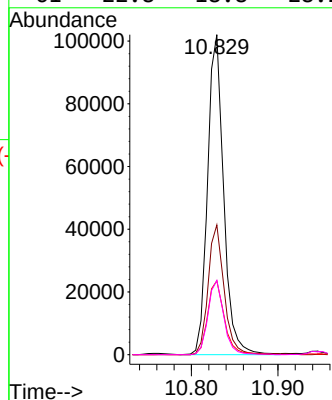
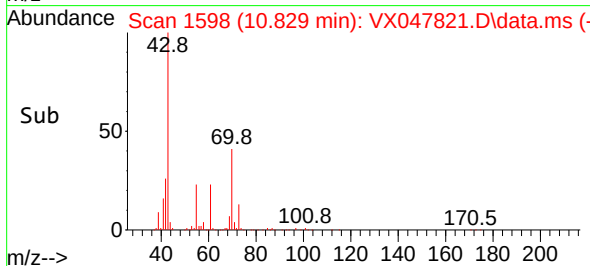
61 22.8 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#75

1,1,2,2-Tetrachloroethane

Concen: 48.282 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

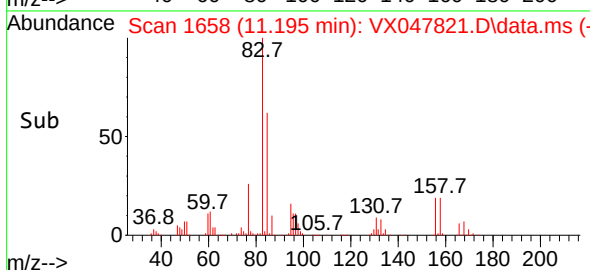
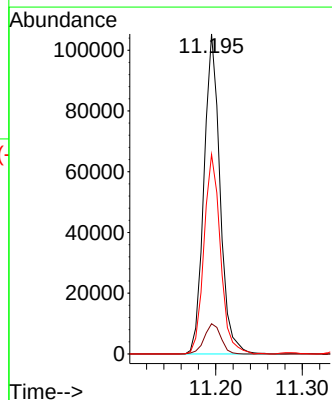
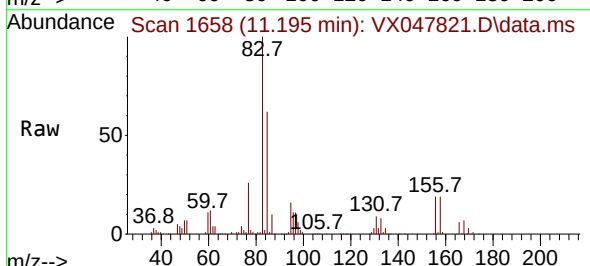
Tgt Ion: 83 Resp: 135441

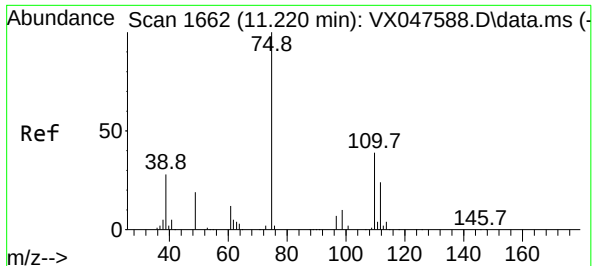
Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

85 64.0 31.6 95.0





#76

1,2,3-Trichloropropane

Concen: 46.559 ug/l m

RT: 11.220 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion: 75 Resp: 11496

Ion Ratio Lower Upper

75 100

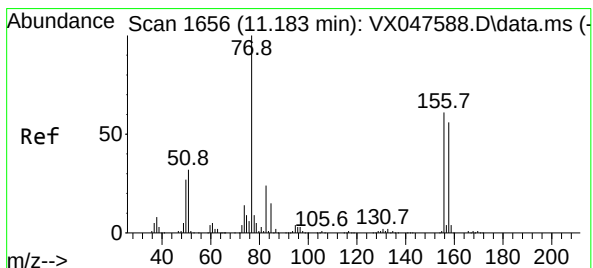
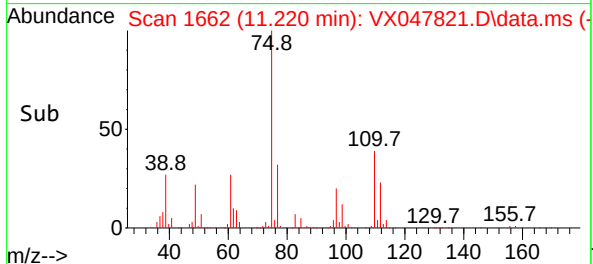
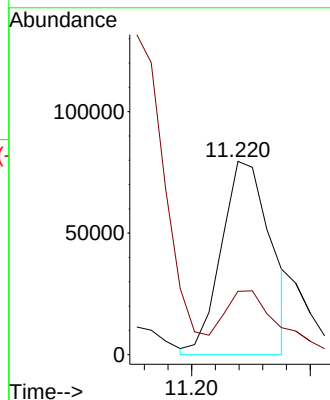
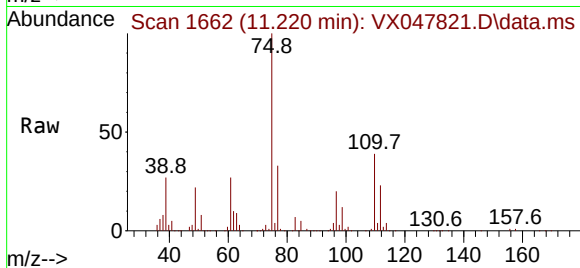
77 36.7 18.8 56.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#77

Bromobenzene

Concen: 44.279 ug/l

RT: 11.183 min Scan# 1656

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

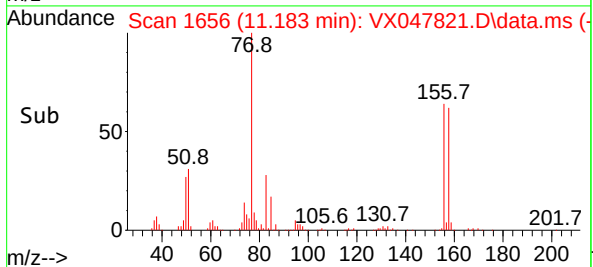
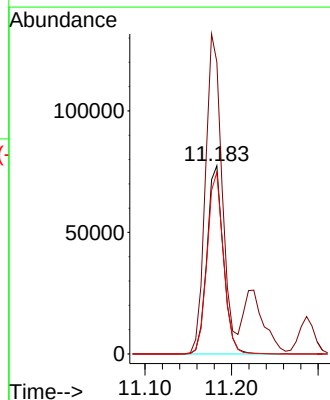
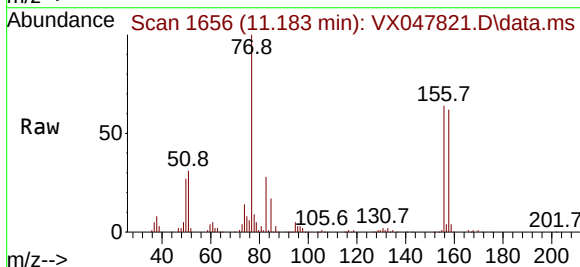
Tgt Ion:156 Resp: 101115

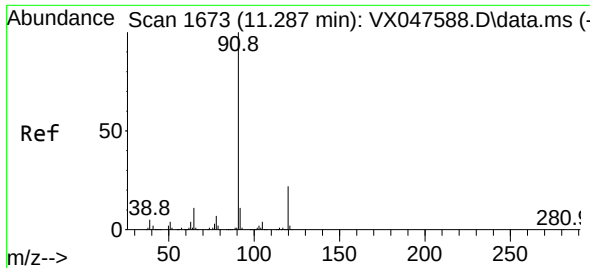
Ion Ratio Lower Upper

156 100

77 174.1 89.7 269.1

158 96.8 47.9 143.6





#78

n-propylbenzene

Concen: 41.741 ug/l

RT: 11.287 min Scan# 1673

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion: 91 Resp: 457500

Ion Ratio Lower Upper

91 100

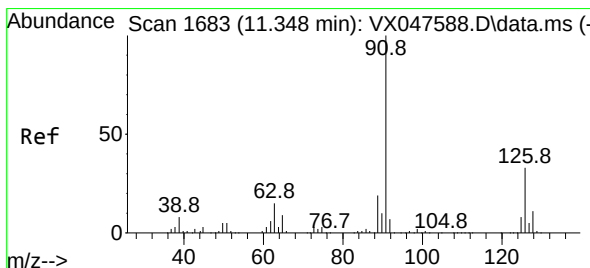
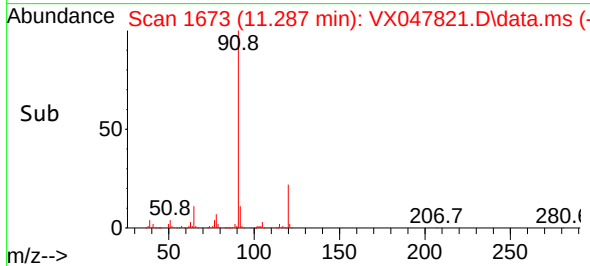
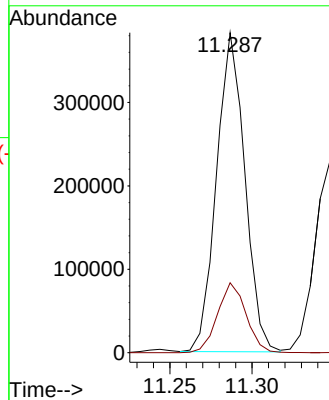
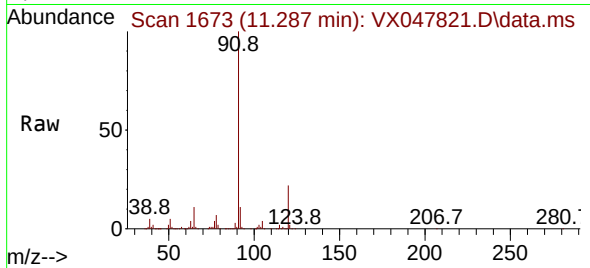
120 22.1 11.1 33.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#79

2-Chlorotoluene

Concen: 42.772 ug/l

RT: 11.348 min Scan# 1683

Delta R.T. -0.000 min

Lab File: VX047821.D

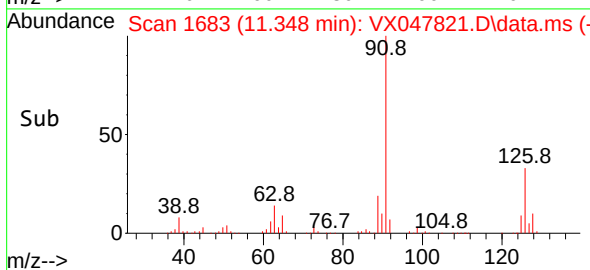
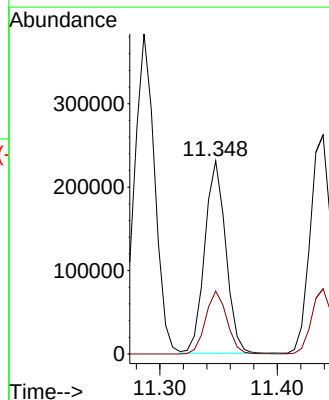
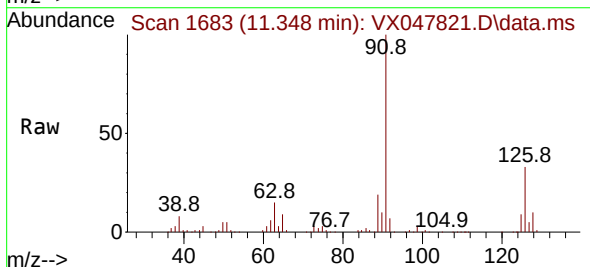
Acq: 25 Sep 2025 18:27

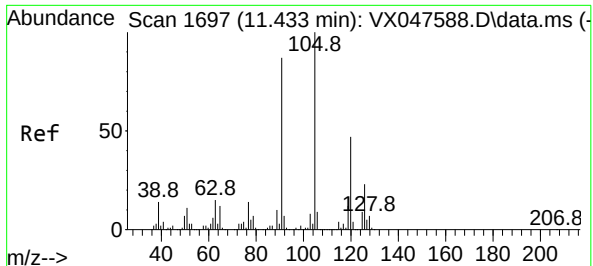
Tgt Ion: 91 Resp: 287129

Ion Ratio Lower Upper

91 100

126 33.0 16.1 48.3





#80

1,3,5-Trimethylbenzene

Concen: 41.410 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion:105 Resp: 31544

Ion Ratio Lower Upper

105 100

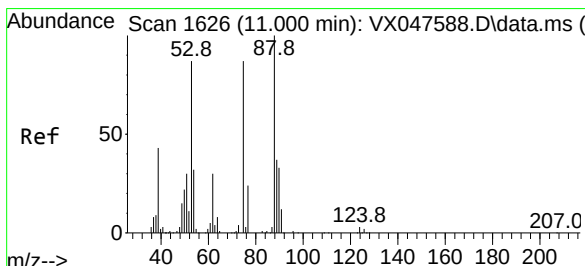
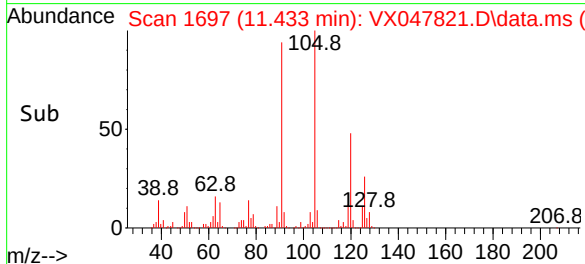
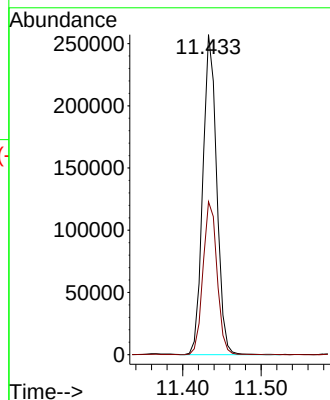
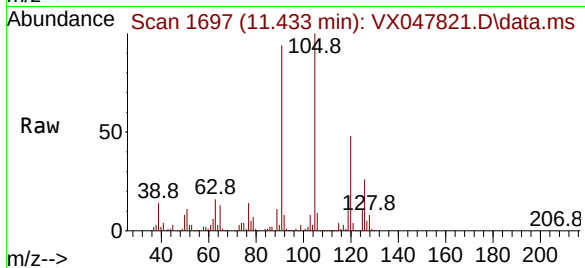
120 48.4 23.6 70.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#81

trans-1,4-Dichloro-2-butene

Concen: 28.954 ug/l

RT: 11.000 min Scan# 1626

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

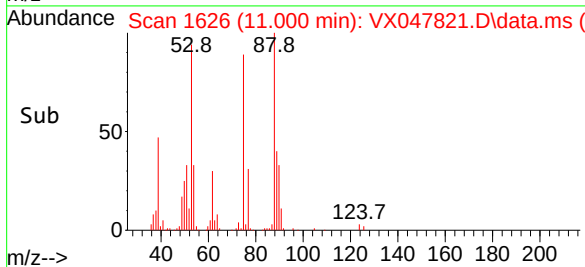
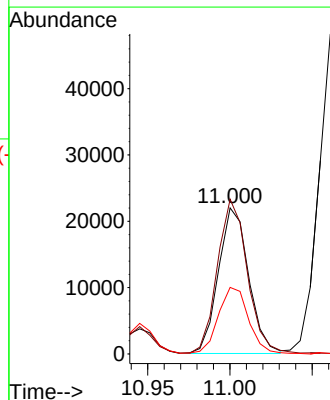
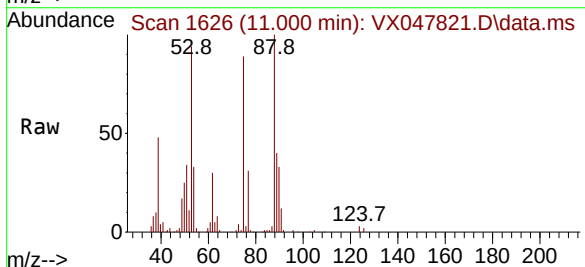
Tgt Ion: 75 Resp: 28035

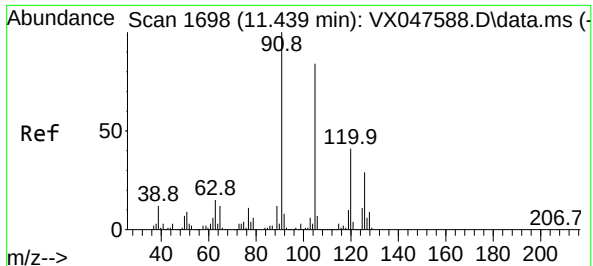
Ion Ratio Lower Upper

75 100

53 106.8 83.4 125.2

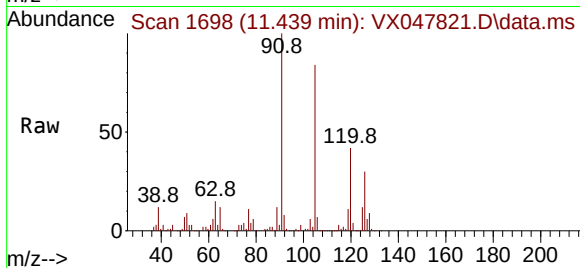
89 46.3 36.3 54.5





#82
4-Chlorotoluene
Concen: 42.152 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

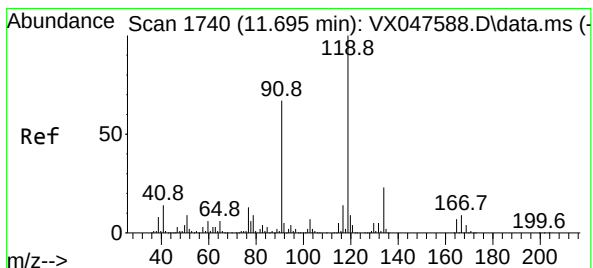
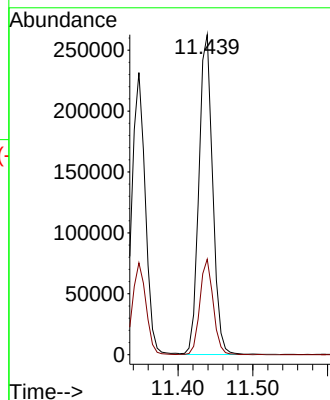
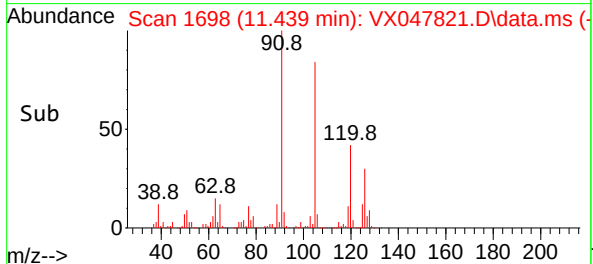
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS



Tgt Ion: 91 Resp: 334200
Ion Ratio Lower Upper
91 100
126 29.0 14.2 42.6

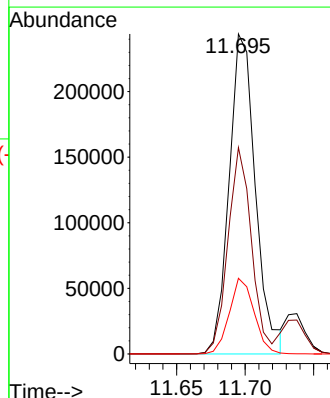
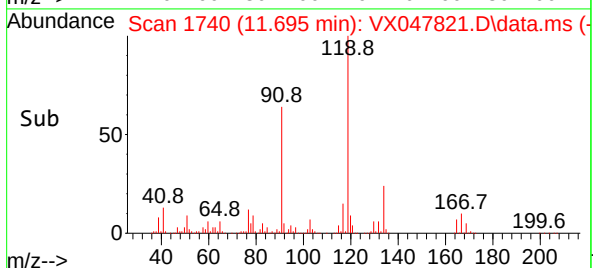
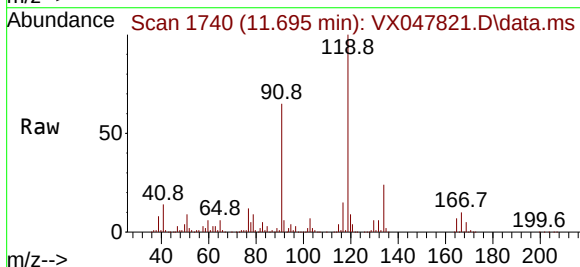
Manual Integrations
APPROVED

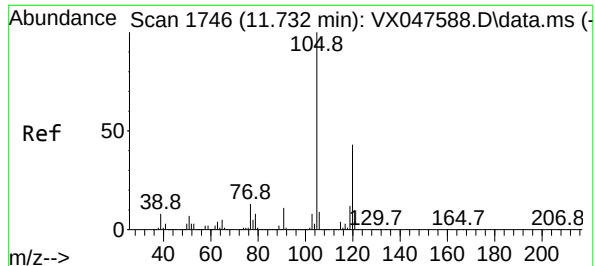
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#83
tert-Butylbenzene
Concen: 41.856 ug/l
RT: 11.695 min Scan# 1740
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion:119 Resp: 326392
Ion Ratio Lower Upper
119 100
91 57.7 29.6 88.8
134 22.4 11.0 33.0





#84

1,2,4-Trimethylbenzene

Concen: 41.687 ug/l

RT: 11.738 min Scan# 1746

Delta R.T. 0.006 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion:105 Resp: 32194

Ion Ratio Lower Upper

105 100

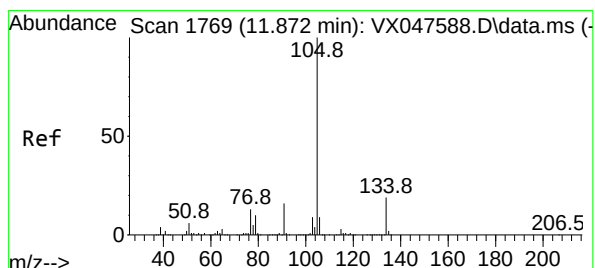
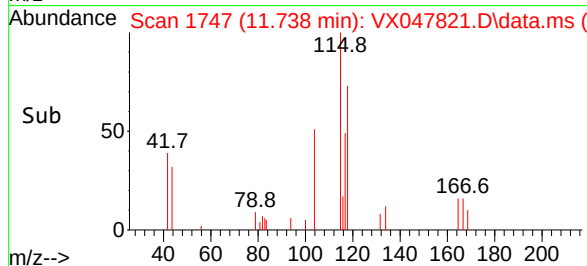
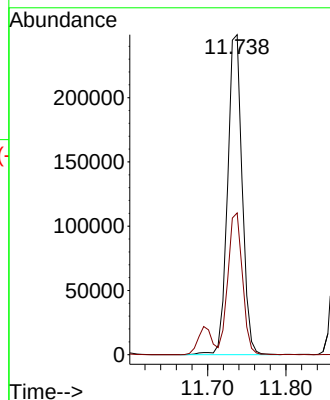
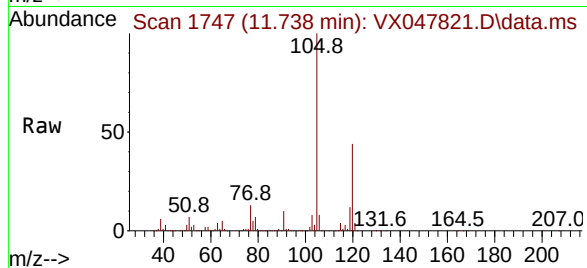
120 44.3 22.1 66.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#85

sec-Butylbenzene

Concen: 40.602 ug/l

RT: 11.872 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VX047821.D

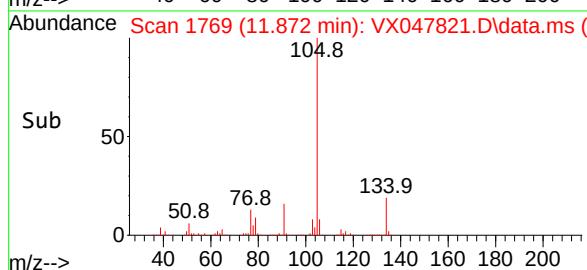
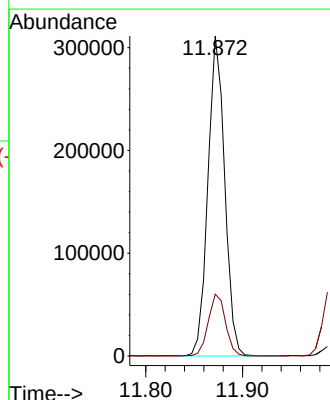
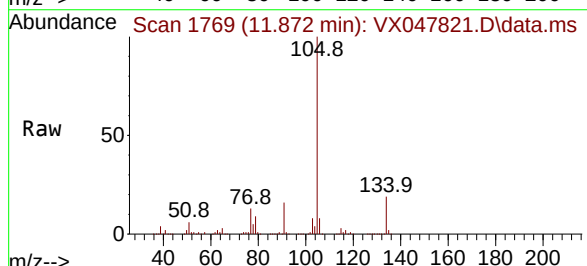
Acq: 25 Sep 2025 18:27

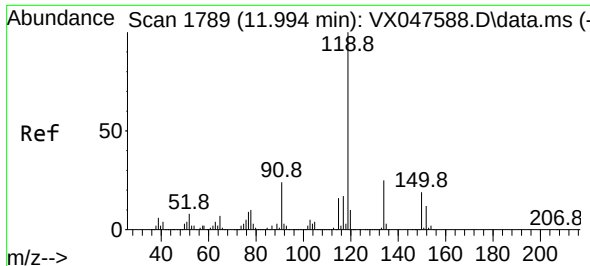
Tgt Ion:105 Resp: 376069

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.5





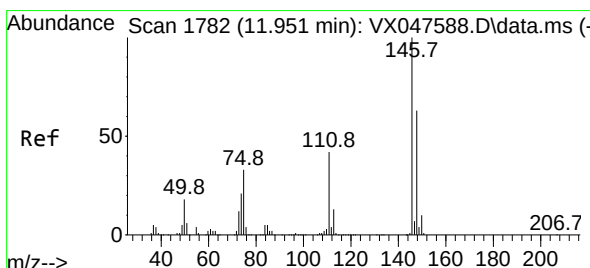
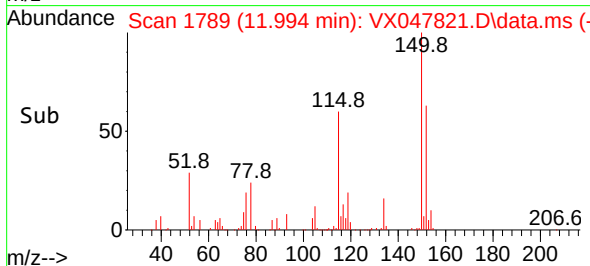
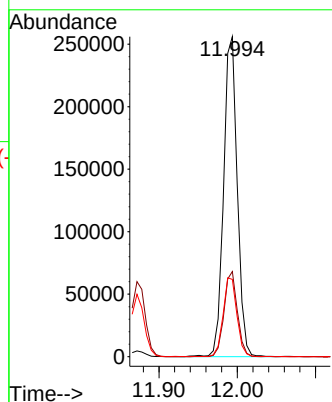
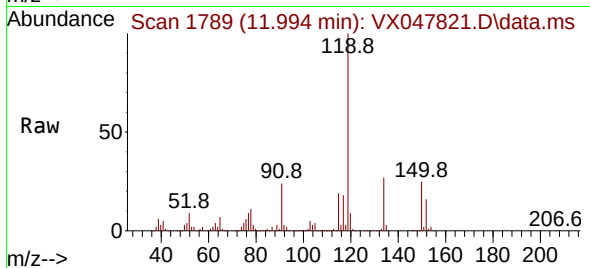
#86
p-Isopropyltoluene
Concen: 39.690 ug/l
RT: 11.994 min Scan# 119
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Instrument : MSVOA_X
ClientSampleId : BP-VPB-184-GW-320-322MS

Tgt Ion:119 Resp: 311233
Ion Ratio Lower Upper
119 100
134 26.0 12.6 37.8
91 25.0 12.6 37.6

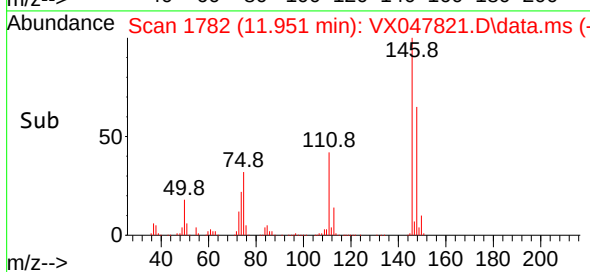
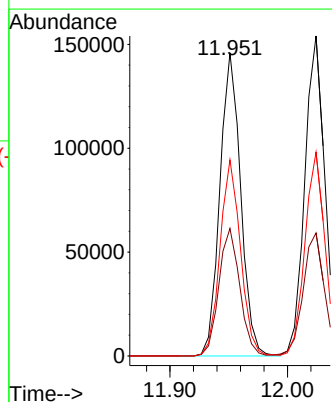
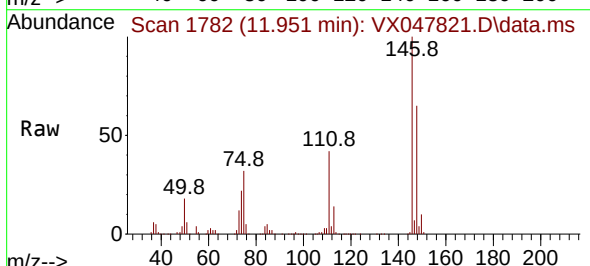
Manual Integrations
APPROVED

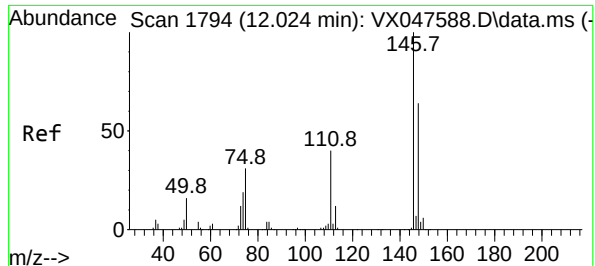
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#87
1,3-Dichlorobenzene
Concen: 42.264 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion:146 Resp: 179265
Ion Ratio Lower Upper
146 100
111 42.4 21.5 64.5
148 63.9 32.0 96.0





#88

1,4-Dichlorobenzene

Concen: 42.260 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

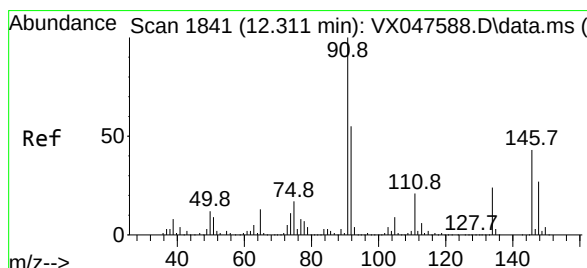
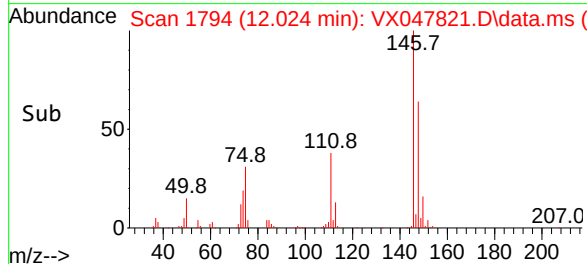
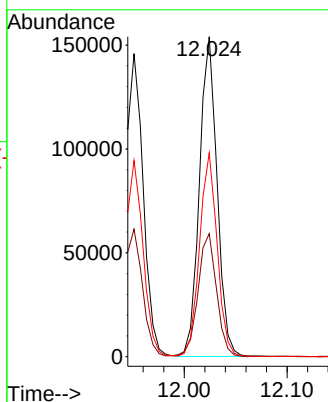
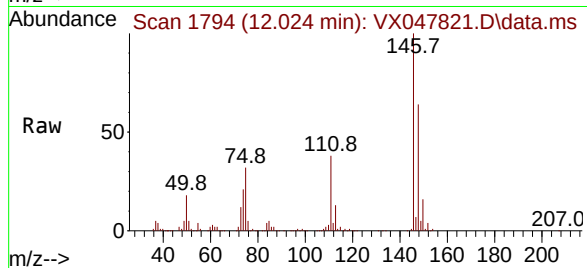
Tgt Ion:	146	Resp:	183970
Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.8	62.4
148	63.6	31.7	95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#89

n-Butylbenzene

Concen: 37.344 ug/l

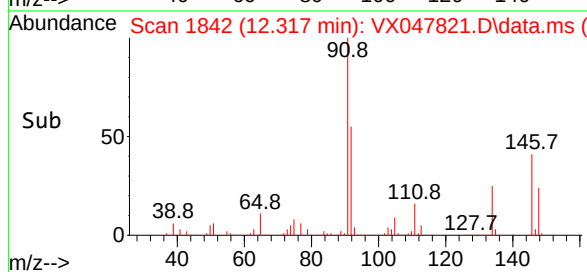
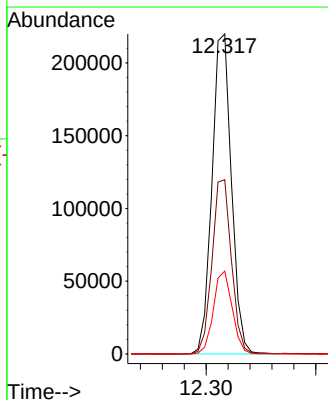
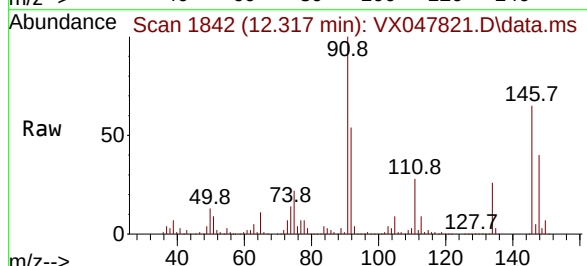
RT: 12.317 min Scan# 1842

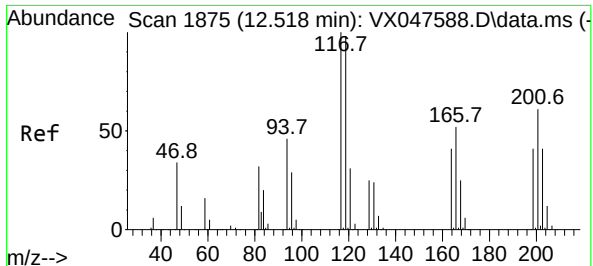
Delta R.T. 0.006 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Tgt Ion:	91	Resp:	270965
Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.6	82.7
134	25.0	12.6	37.8





#90

Hexachloroethane

Concen: 42.390 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion:117 Resp: 58360

Ion Ratio Lower Upper

117 100

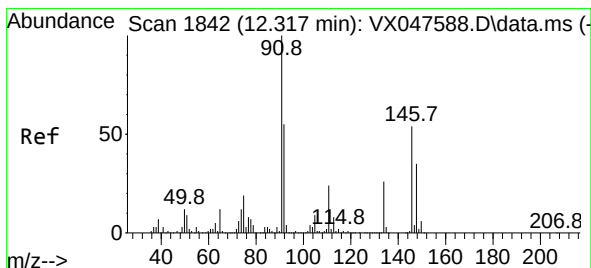
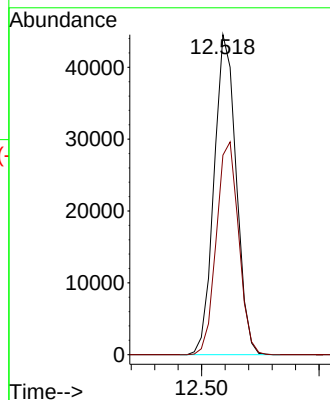
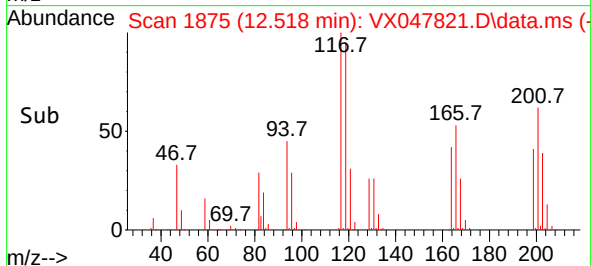
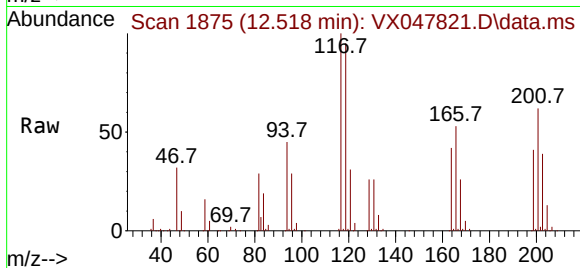
201 67.0 34.2 102.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#91

1,2-Dichlorobenzene

Concen: 44.295 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

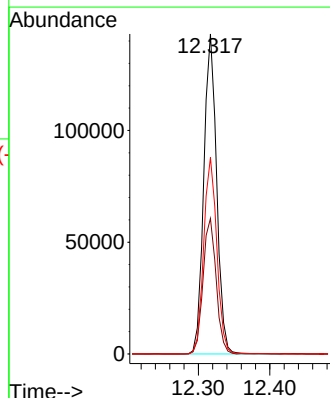
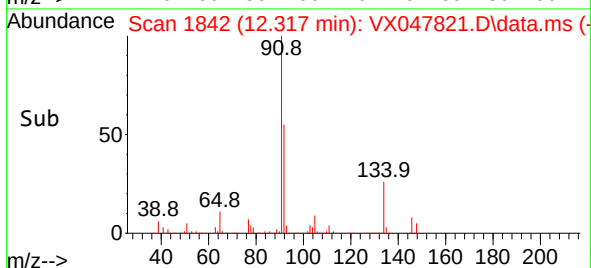
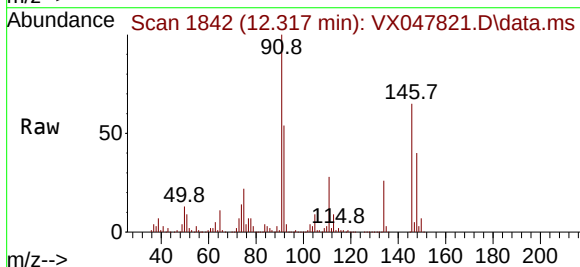
Tgt Ion:146 Resp: 178993

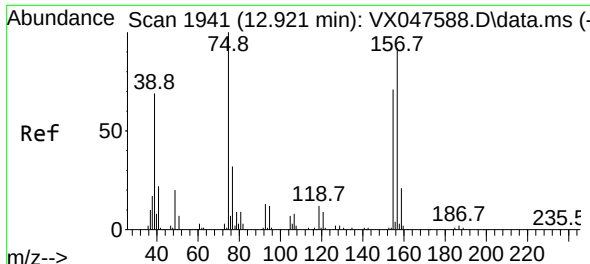
Ion Ratio Lower Upper

146 100

111 43.1 22.2 66.6

148 62.4 31.8 95.4





#92

1,2-Dibromo-3-Chloropropane

Concen: 46.383 ug/l

RT: 12.927 min Scan# 1941

Delta R.T. 0.006 min

Lab File: VX047821.D

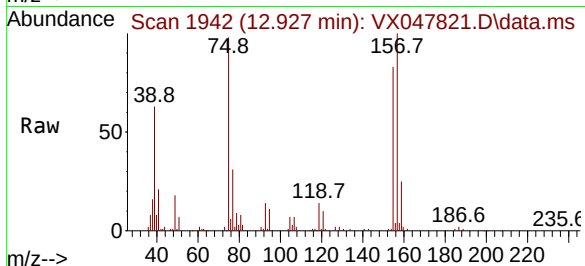
Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS



Tgt Ion: 75 Resp: 2634

Ion Ratio Lower Upper

75 100

155 81.5 37.7 113.1

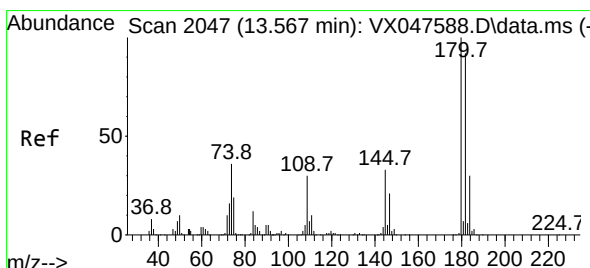
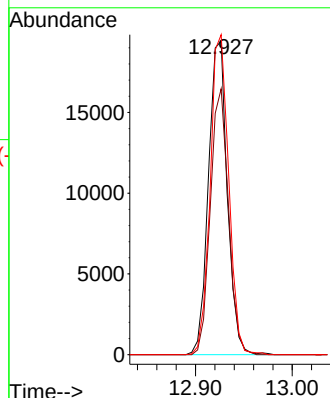
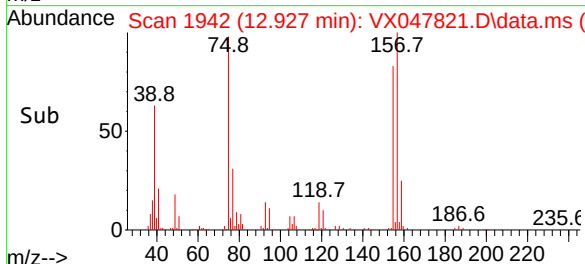
157 99.9 49.8 149.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#93

1,2,4-Trichlorobenzene

Concen: 39.085 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

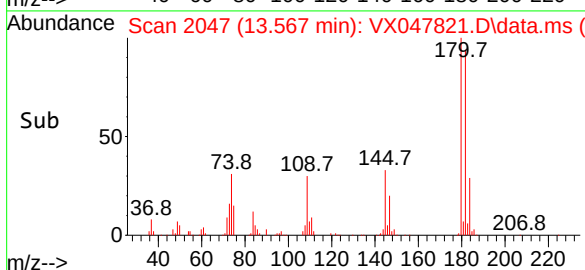
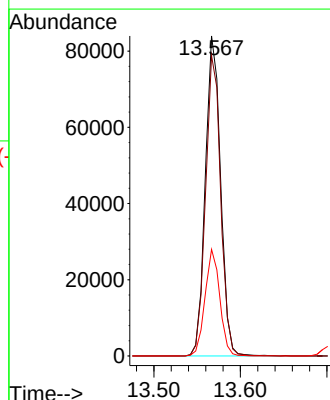
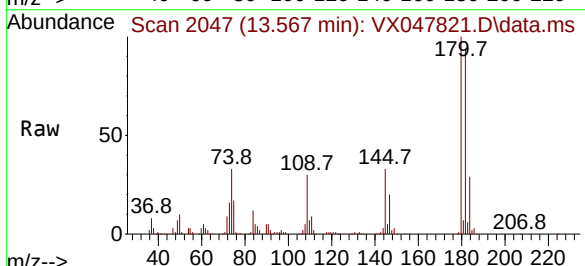
Tgt Ion:180 Resp: 102648

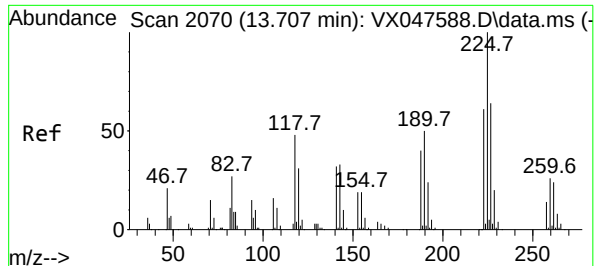
Ion Ratio Lower Upper

180 100

182 93.1 46.6 139.8

145 32.3 16.4 49.1





#94

Hexachlorobutadiene

Concen: 32.127 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

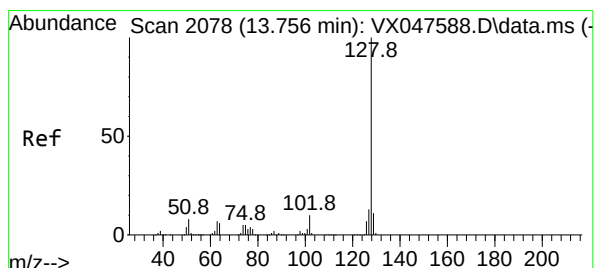
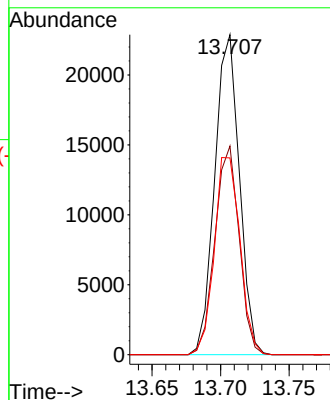
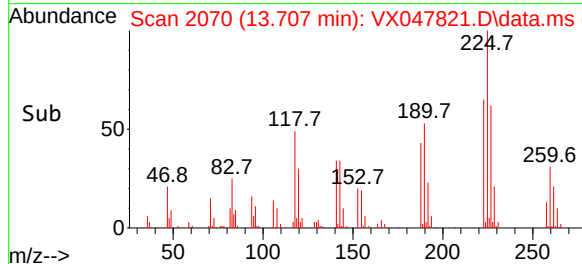
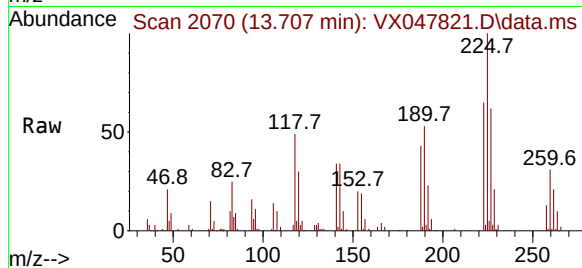
Tgt Ion:	225	Resp:	28659
Ion Ratio	Lower	Upper	
225	100		
223	63.9	31.7	95.1
227	64.2	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#95

Naphthalene

Concen: 44.317 ug/l

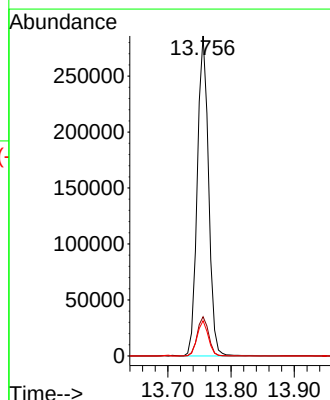
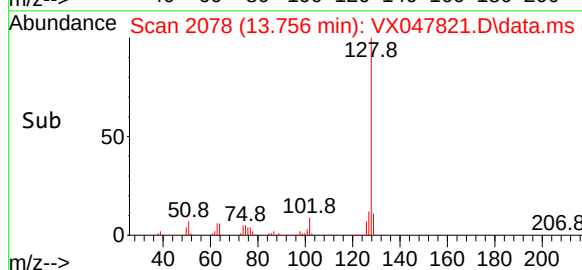
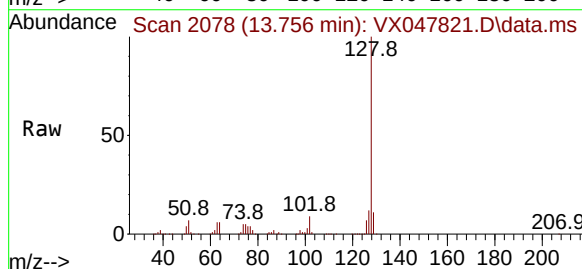
RT: 13.756 min Scan# 2078

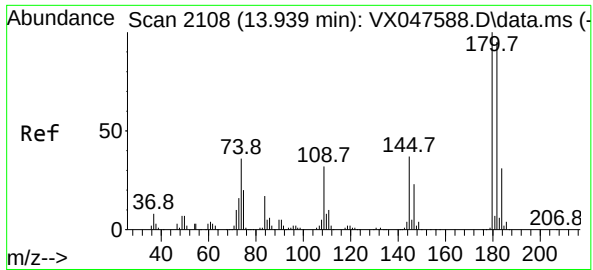
Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

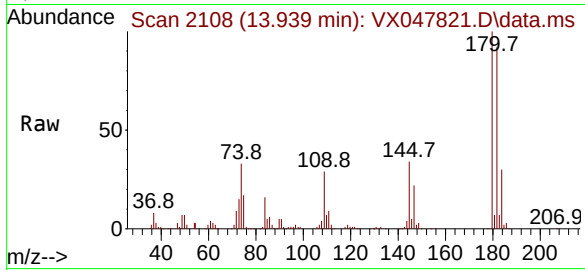
Tgt Ion:	128	Resp:	354407
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.2	15.2
129	10.8	8.8	13.2





#96
1,2,3-Trichlorobenzene
Concen: 41.089 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

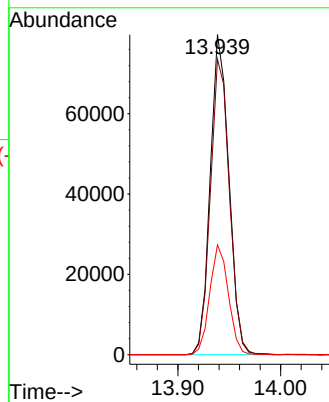
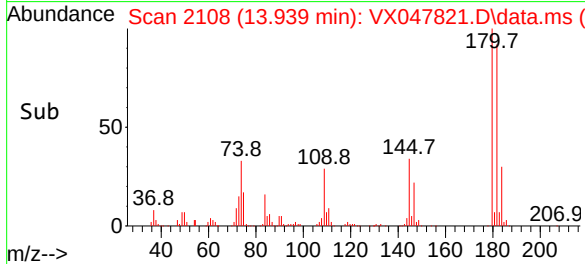
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS



Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.6	142.8
145	34.3	17.9	53.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-320-322MSD		SDG No.:	Q3165	
Lab Sample ID:	Q3165-10MSD		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047822.D	1	09/25/25 18:48	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	53.8		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	68.2		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	63.8		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	65.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	66.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	52.9		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	41.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	61.8		0.23	0.75	1.00	ug/L
67-64-1	Acetone	300		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	44.3		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	68.1		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	56.1		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	67.0		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	57.7		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	65.2		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	37.5		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	360		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	35.6		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	63.6		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	66.6		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	69.3		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	58.7		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	27.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	58.2		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	59.7		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	56.2		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	61.1		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	44.8		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	350		0.68	2.50	5.00	ug/L
108-88-3	Toluene	53.2		0.14	0.50	1.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25	
Client Sample ID:	BP-VPB-184-GW-320-322MSD		SDG No.:	Q3165	
Lab Sample ID:	Q3165-10MSD		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047822.D	1	09/25/25 18:48	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	42.1		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	42.4		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	64.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	340		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	44.0		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	63.4		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	49.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	53.9		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	49.0		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	97.5		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	51.7		0.12	0.50	1.00	ug/L
100-42-5	Styrene	42.3		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	43.1		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	50.2		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	76.6		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	51.1		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	50.8		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	55.9		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	68.7		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.8		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	48.3		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	61.8	*	81 - 118		124%	SPK: 50
1868-53-7	Dibromofluoromethane	56.6		80 - 119		113%	SPK: 50
2037-26-5	Toluene-d8	49.9		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	108000	5.544				
540-36-3	1,4-Difluorobenzene	211000	6.751				
3114-55-4	Chlorobenzene-d5	180000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	77400	12.006				

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/22/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/22/25
Client Sample ID:	BP-VPB-184-GW-320-322MSD		SDG No.:	Q3165
Lab Sample ID:	Q3165-10MSD		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047822.D	1	09/25/25 18:48	VX092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\VX092525\
 Data File : VX047822.D
 Acq On : 25 Sep 2025 18:48
 Operator : JC/MD
 Sample : Q3165-10MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-320-322MSD

Quant Time: Sep 26 01:34:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/26/2025
 Supervised By : Mahesh Dadoda 09/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	107908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	210706	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	179962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	77374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	106191	61.824	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 123.640%#			
35) Dibromofluoromethane	5.379	113	79933	56.565	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.140%			
50) Toluene-d8	8.634	98	243759	49.852	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.700%			
62) 4-Bromofluorobenzene	11.067	95	85282	45.957	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	60113	53.797	ug/l	99
3) Chloromethane	1.300	50	100173	68.211	ug/l	100
4) Vinyl Chloride	1.380	62	91748	63.821	ug/l	100
5) Bromomethane	1.611	94	59235	64.980	ug/l	93
6) Chloroethane	1.697	64	63559	66.151	ug/l	100
7) Trichlorofluoromethane	1.898	101	112813	52.852	ug/l	99
8) Diethyl Ether	2.136	74	59102	67.688	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	52017	41.677	ug/l	99
10) Methyl Iodide	2.459	142	107715	55.337	ug/l	99
11) Tert butyl alcohol	2.946	59	63338	331.097	ug/l	100
12) 1,1-Dichloroethene	2.325	96	79236	61.804	ug/l	98
13) Acrolein	2.239	56	40831	231.621	ug/l	98
14) Allyl chloride	2.666	41	103872	39.263	ug/l	92
15) Acrylonitrile	3.062	53	251532	354.981	ug/l	100
16) Acetone	2.373	43	227178	304.191	ug/l	98
17) Carbon Disulfide	2.520	76	155316	44.253	ug/l	99
18) Methyl Acetate	2.703	43	93258	56.110	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	318759	68.110	ug/l	99
20) Methylene Chloride	2.788	84	105913	66.998	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	79701	57.742	ug/l	97
22) Diisopropyl ether	3.757	45	345679	67.421	ug/l	90
23) Vinyl Acetate	3.715	43	997105	242.988	ug/l	99
24) 1,1-Dichloroethane	3.611	63	177714	65.213	ug/l	98
25) 2-Butanone	4.544	43	331790	356.161	ug/l	98
26) 2,2-Dichloropropane	4.465	77	45532	20.100	ug/l	86
27) cis-1,2-Dichloroethene	4.483	96	107566	63.633	ug/l	91
28) Bromochloromethane	4.891	49	79267	66.627	ug/l	99
29) Tetrahydrofuran	4.989	42	209392	373.639	ug/l	100
30) Chloroform	5.080	83	190851	69.304	ug/l	98
31) Cyclohexane	5.464	56	85029	37.463	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	137022	58.661	ug/l	100
36) 1,1-Dichloropropene	5.684	75	93202	45.137	ug/l	98
37) Ethyl Acetate	4.702	43	109929	49.721	ug/l	98
38) Carbon Tetrachloride	5.666	117	79969	35.644	ug/l	99
39) Methylcyclohexane	7.366	83	63696	27.175	ug/l	98
40) Benzene	6.025	78	364974	58.195	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047822.D
 Acq On : 25 Sep 2025 18:48
 Operator : JC/MD
 Sample : Q3165-10MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-320-322MSD

Quant Time: Sep 26 01:34:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/26/2025
 Supervised By :Mahesh Dadoda 09/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	71928	63.018	ug/l	98
42) 1,2-Dichloroethane	6.074	62	142572	59.747	ug/l	98
43) Isopropyl Acetate	6.324	43	196479	54.186	ug/l	100
44) Trichloroethene	7.110	130	85262	56.233	ug/l	96
45) 1,2-Dichloropropane	7.415	63	98109	61.092	ug/l	100
46) Dibromomethane	7.568	93	73769	63.124	ug/l	98
47) Bromodichloromethane	7.805	83	108137	44.842	ug/l	100
48) Methyl methacrylate	7.677	41	113105	62.622	ug/l	97
49) 1,4-Dioxane	7.641	88	29459	1613.910	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	698942	347.659	ug/l	99
52) Toluene	8.702	92	205447	53.171	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	103660	42.142	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	111553	42.430	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	96413	64.711	ug/l	98
56) Ethyl methacrylate	9.104	69	146418	62.576	ug/l	96
57) 1,3-Dichloropropane	9.293	76	164190	64.152	ug/l	99
59) 2-Hexanone	9.415	43	483745	335.028	ug/l	99
60) Dibromochloromethane	9.506	129	75519	43.991	ug/l	98
61) 1,2-Dibromoethane	9.592	107	96234	63.414	ug/l	100
64) Tetrachloroethene	9.262	164	58270	49.669	ug/l	92
65) Chlorobenzene	10.061	112	220566	53.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	77077	54.634	ug/l	99
67) Ethyl Benzene	10.177	91	345906	49.035	ug/l	100
68) m/p-Xylenes	10.287	106	255885	97.456	ug/l	99
69) o-Xylene	10.628	106	131180	51.654	ug/l	99
70) Styrene	10.640	104	188173	42.287	ug/l	98
71) Bromoform	10.780	173	45452	43.147	ug/l #	98
73) Isopropylbenzene	10.945	105	295176	50.179	ug/l	99
74) N-amyl acetate	10.829	43	140353	52.322	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	136370	76.623	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	102906m	65.688	ug/l	
77) Bromobenzene	11.183	156	84966	58.645	ug/l	98
78) n-propylbenzene	11.286	91	328331	47.216	ug/l	100
79) 2-Chlorotoluene	11.347	91	222063	52.139	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	237879	49.220	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	20418	33.237	ug/l	99
82) 4-Chlorotoluene	11.439	91	257279	51.147	ug/l	99
83) tert-Butylbenzene	11.695	119	241036	48.720	ug/l	96
84) 1,2,4-Trimethylbenzene	11.732	105	249135	50.846	ug/l	100
85) sec-Butylbenzene	11.872	105	255708	43.514	ug/l	99
86) p-Isopropyltoluene	11.994	119	215443	43.305	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	137631	51.144	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	140359	50.819	ug/l	99
89) n-Butylbenzene	12.317	91	175511	38.126	ug/l	99
90) Hexachloroethane	12.518	117	34292	39.259	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	143420	55.941	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	24748	68.682	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	71365	42.831	ug/l	100
94) Hexachlorobutadiene	13.707	225	17308	30.582	ug/l	99
95) Naphthalene	13.756	128	294138	57.972	ug/l	100
96) 1,2,3-Trichlorobenzene	13.945	180	74862	48.300	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047822.D
Acq On : 25 Sep 2025 18:48
Operator : JC/MD
Sample : Q3165-10MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 26 01:34:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

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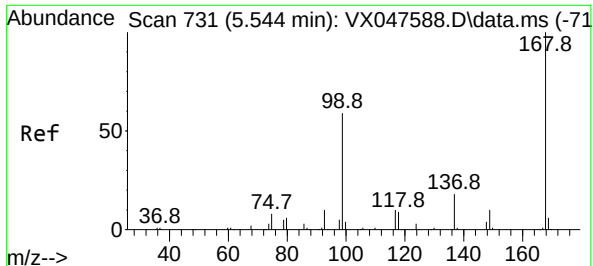
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

Manual Integrations APPROVED

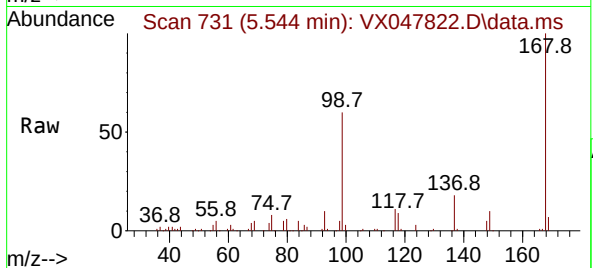
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

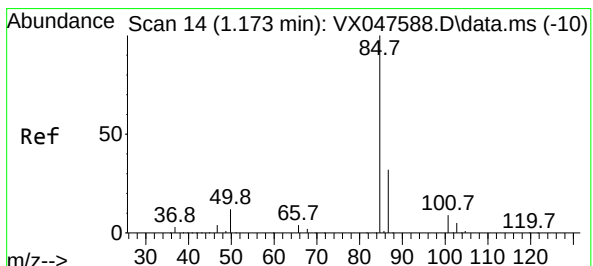
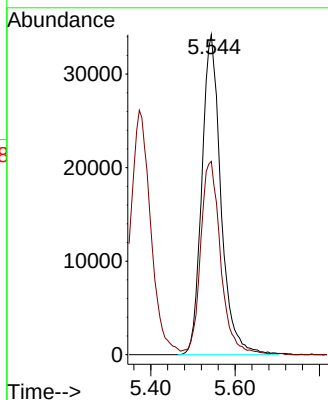
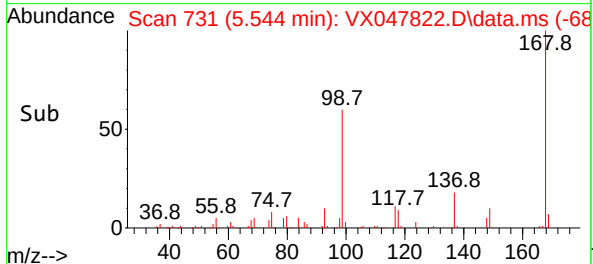
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD



Tgt Ion: 168 Resp: 107908
Ion Ratio Lower Upper
168 100
99 60.0 48.8 73.2

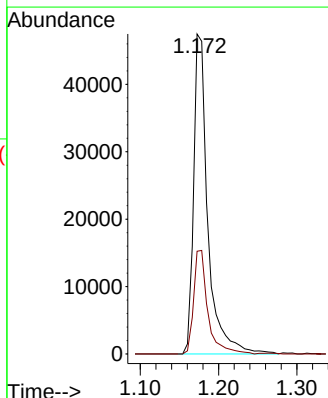
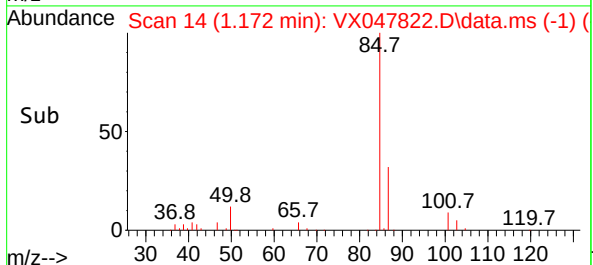
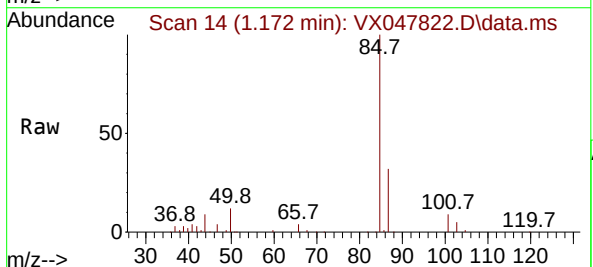
Manual Integrations
APPROVED

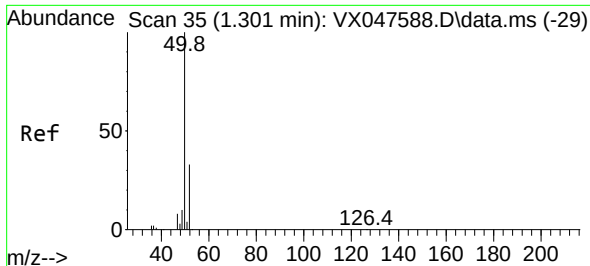
Reviewed By : John Carlone 09/26/2025
Supervised By : Mahesh Dadoda 09/29/2025



#2
Dichlorodifluoromethane
Concen: 53.797 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 85 Resp: 60113
Ion Ratio Lower Upper
85 100
87 32.1 15.8 47.3





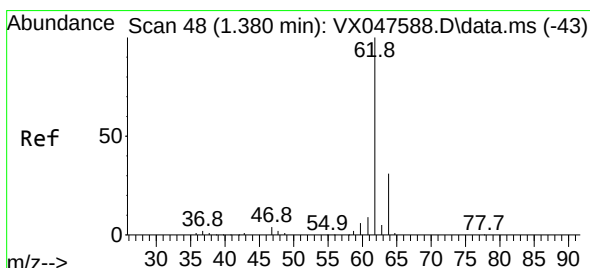
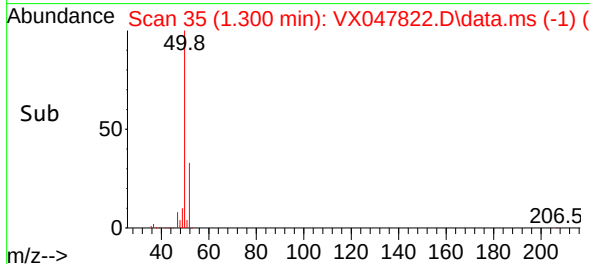
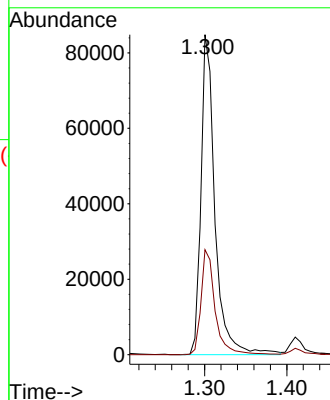
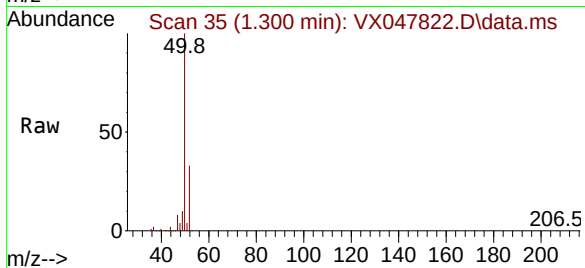
#3
Chloromethane
Concen: 68.211 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

Tgt Ion: 50 Resp: 10017
Ion Ratio Lower Upper
50 100
52 32.8 26.1 39.1

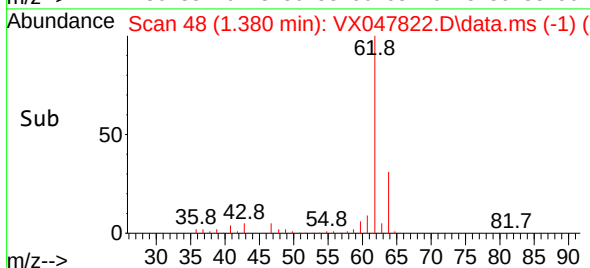
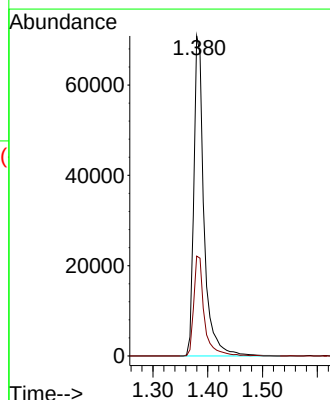
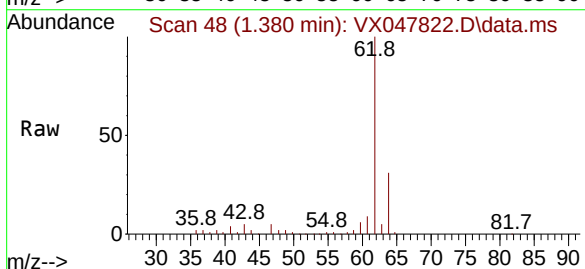
Manual Integrations
APPROVED

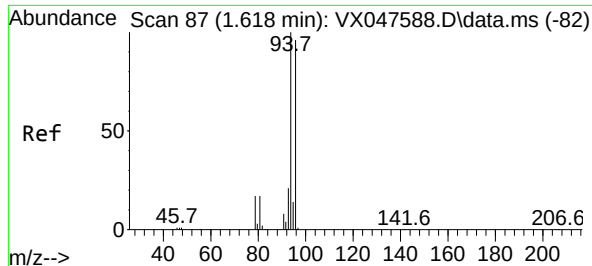
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#4
Vinyl Chloride
Concen: 63.821 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

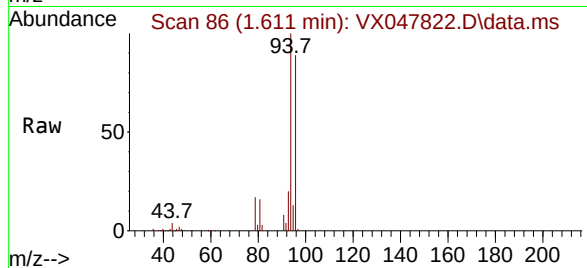
Tgt Ion: 62 Resp: 91748
Ion Ratio Lower Upper
62 100
64 31.2 24.9 37.3





#5
Bromomethane
Concen: 64.980 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

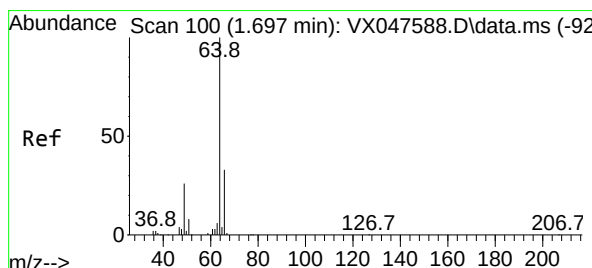
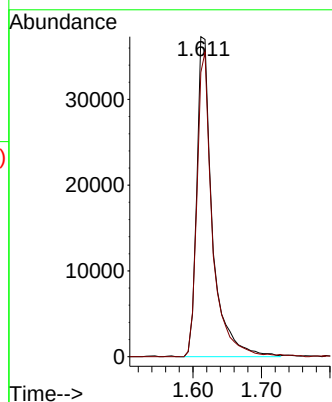
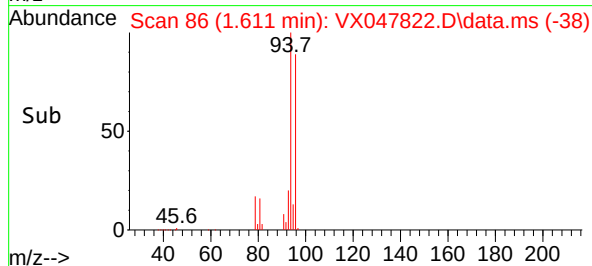
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD



Tgt Ion: 94 Resp: 5923
Ion Ratio Lower Upper
94 100
96 88.9 76.6 115.0

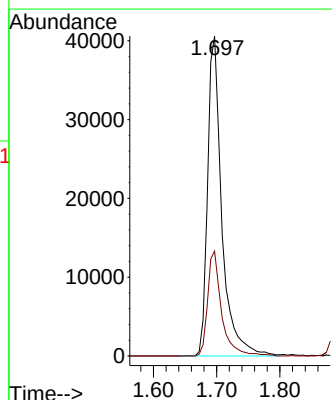
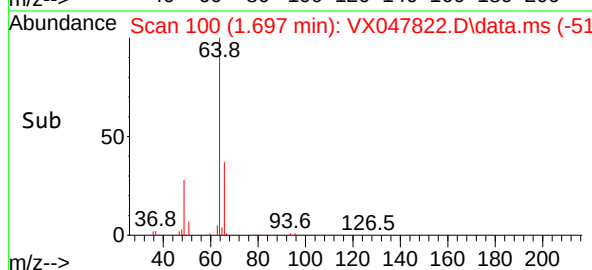
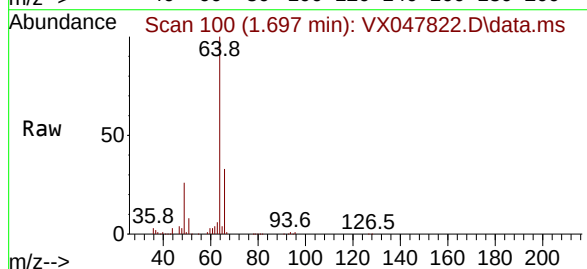
Manual Integrations
APPROVED

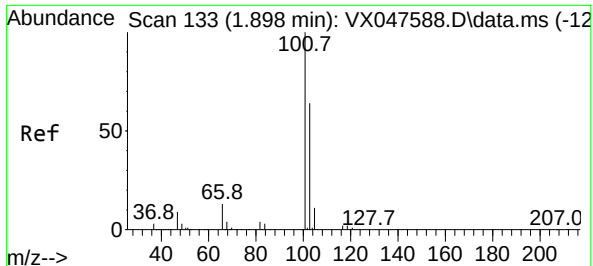
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#6
Chloroethane
Concen: 66.151 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

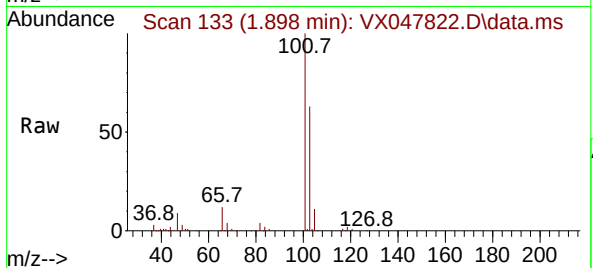
Tgt Ion: 64 Resp: 63559
Ion Ratio Lower Upper
64 100
66 32.8 26.1 39.1





#7
Trichlorofluoromethane
Concen: 52.852 ug/l
RT: 1.898 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

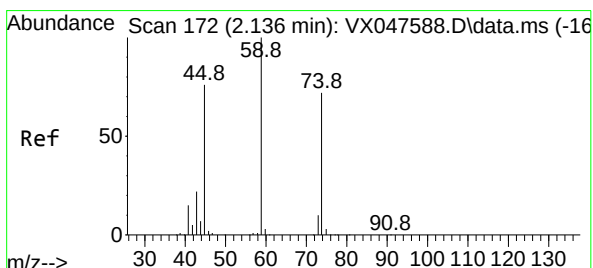
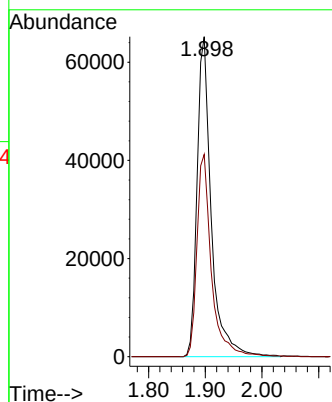
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD



Tgt Ion:101 Resp: 11281
Ion Ratio Lower Upper
101 100
103 63.2 51.4 77.2

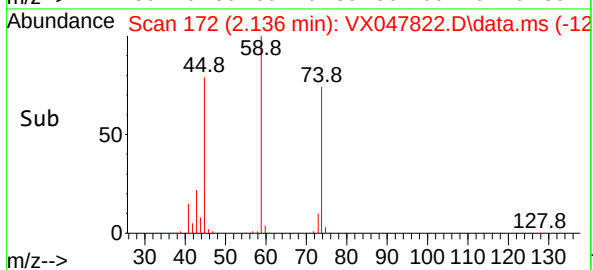
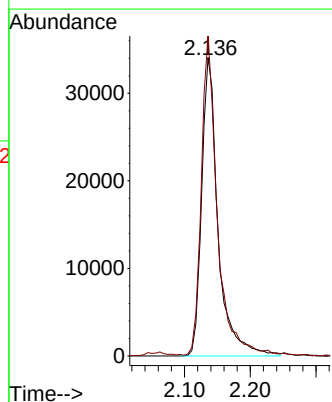
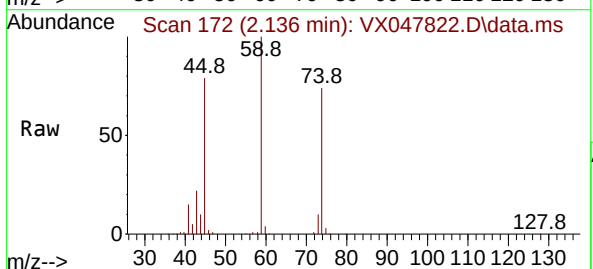
Manual Integrations
APPROVED

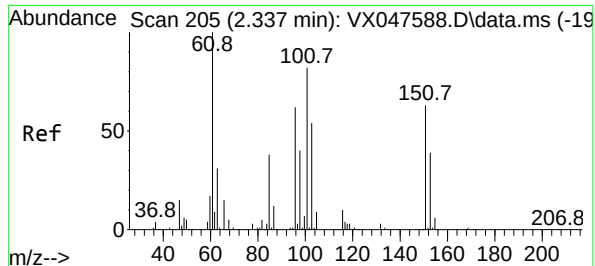
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#8
Diethyl Ether
Concen: 67.688 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 74 Resp: 59102
Ion Ratio Lower Upper
74 100
45 104.1 52.3 156.8





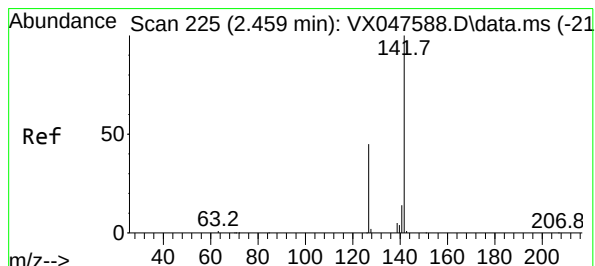
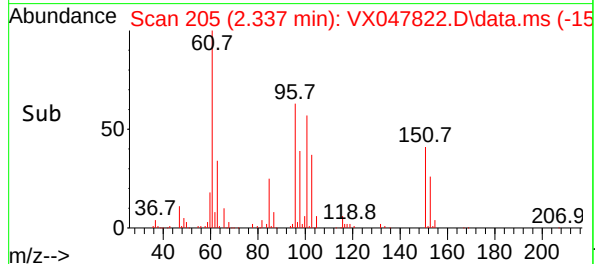
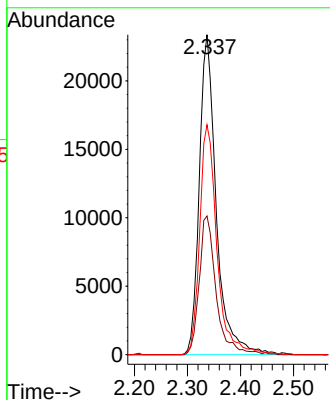
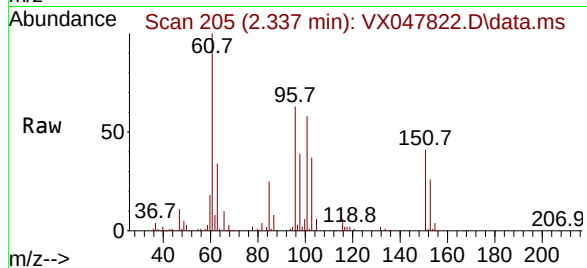
#9
1,1,2-Trichlorotrifluoroethane
Concen: 41.677 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

Tgt Ion:101 Resp: 5201
Ion Ratio Lower Upper
101 100
85 43.4 35.5 53.3
151 73.4 59.4 89.0

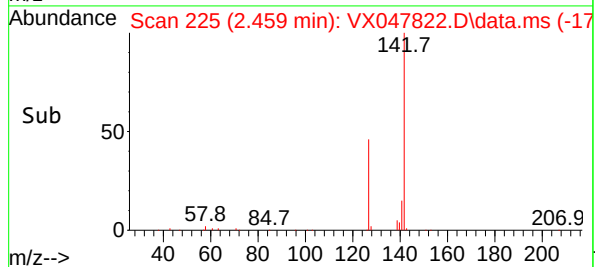
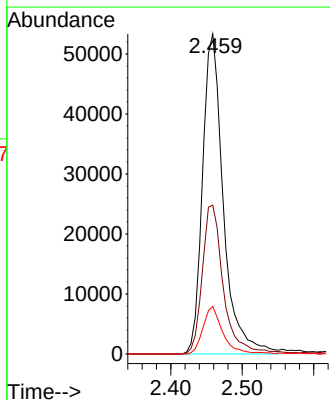
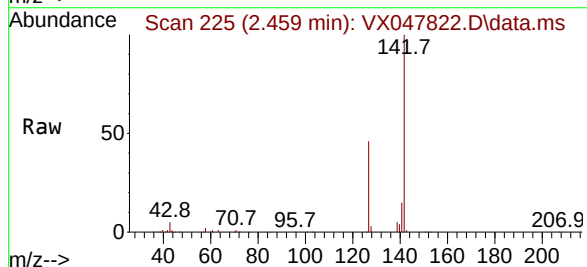
Manual Integrations
APPROVED

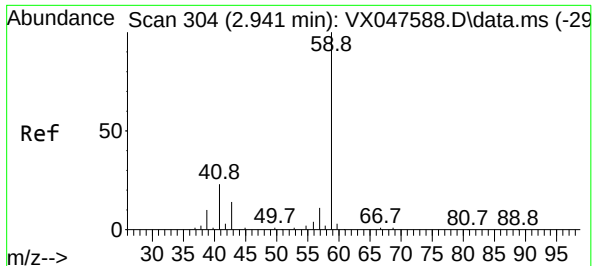
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#10
Methyl Iodide
Concen: 55.337 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion:142 Resp: 107715
Ion Ratio Lower Upper
142 100
127 47.3 37.2 55.8
141 14.1 11.4 17.0





#11

Tert butyl alcohol

Concen: 331.097 ug/l

RT: 2.946 min Scan# 304

Delta R.T. 0.006 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion: 59 Resp: 63338

Ion Ratio Lower Upper

59 100

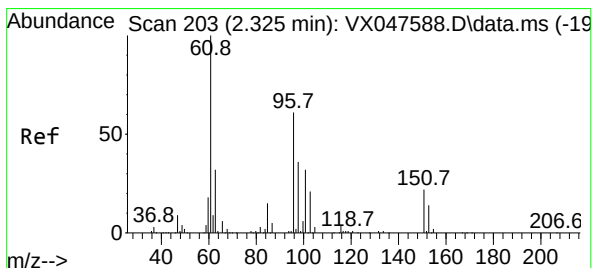
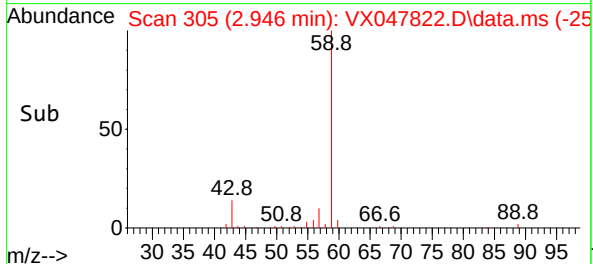
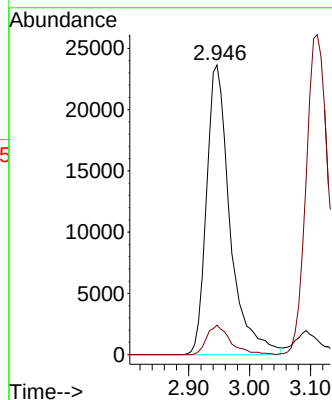
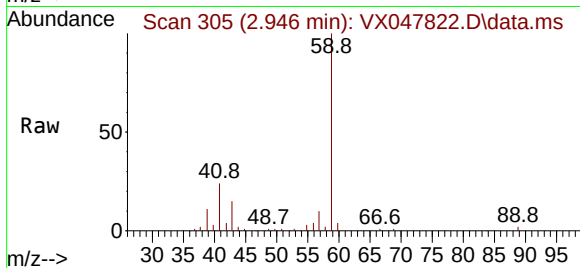
57 10.4 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#12

1,1-Dichloroethene

Concen: 61.804 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

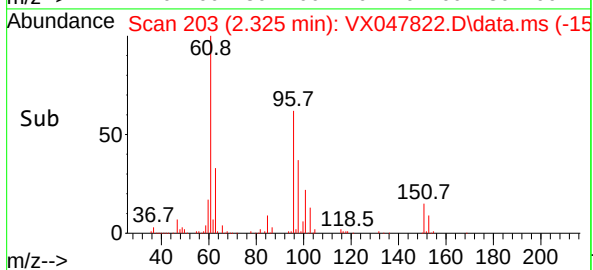
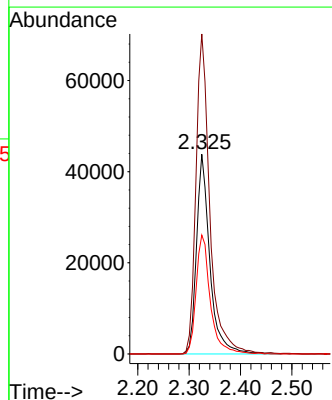
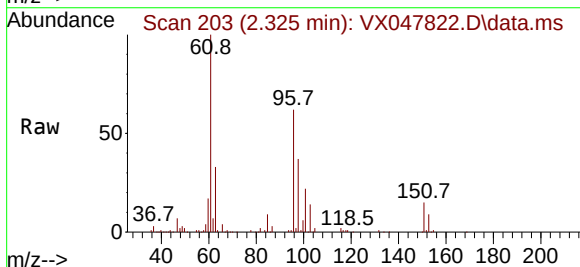
Tgt Ion: 96 Resp: 79236

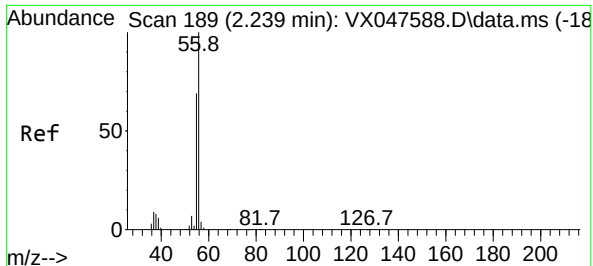
Ion Ratio Lower Upper

96 100

61 160.3 131.0 196.6

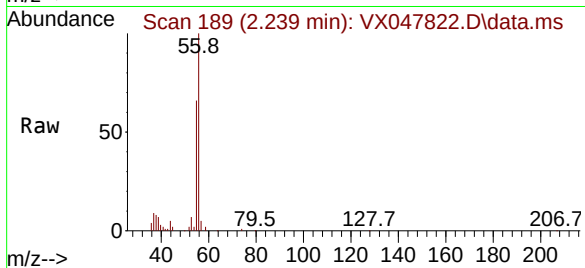
98 59.5 47.7 71.5





#13
Acrolein
Concen: 231.621 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

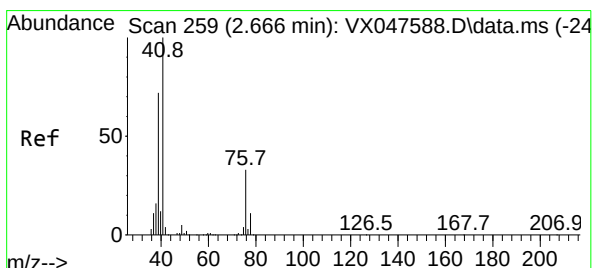
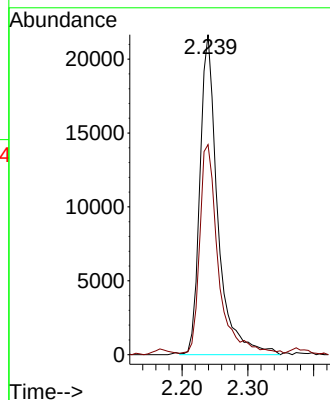
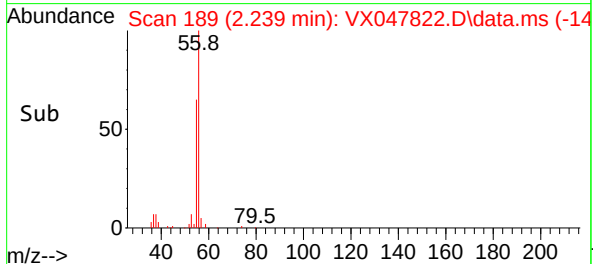
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD



Tgt Ion: 56 Resp: 4083
Ion Ratio Lower Upper
56 100
55 69.6 57.2 85.8

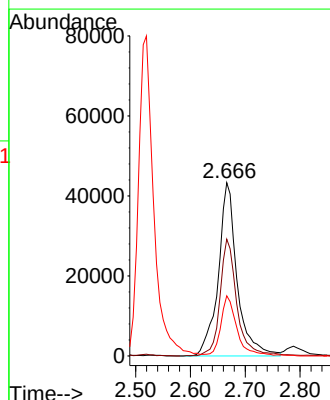
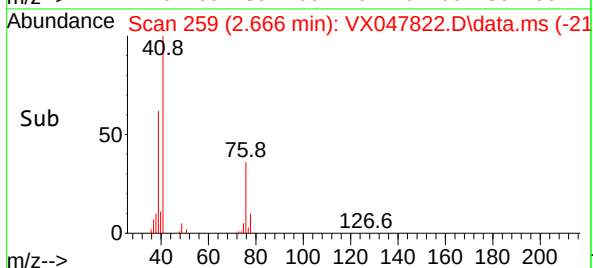
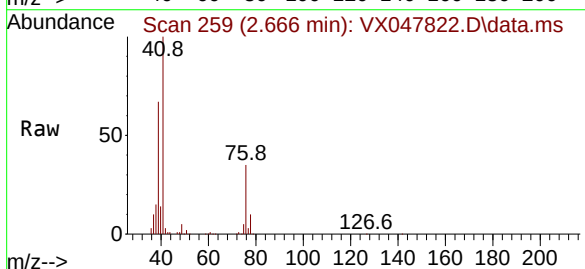
Manual Integrations
APPROVED

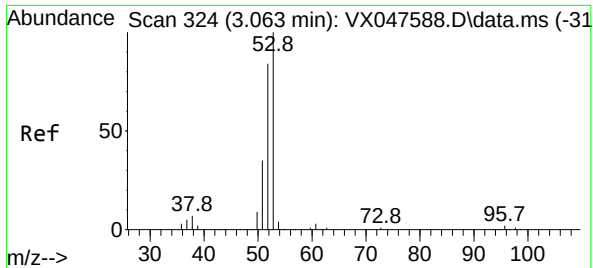
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#14
Allyl chloride
Concen: 39.263 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

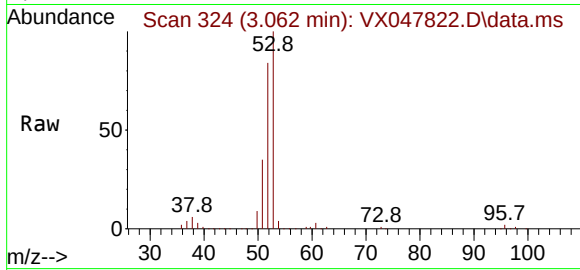
Tgt Ion: 41 Resp: 103872
Ion Ratio Lower Upper
41 100
39 60.7 54.7 82.1
76 29.9 25.7 38.5





#15
Acrylonitrile
Concen: 354.981 ug/l
RT: 3.062 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

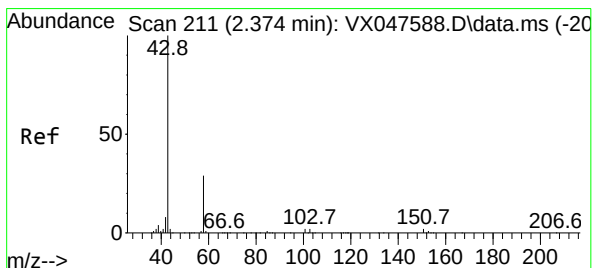
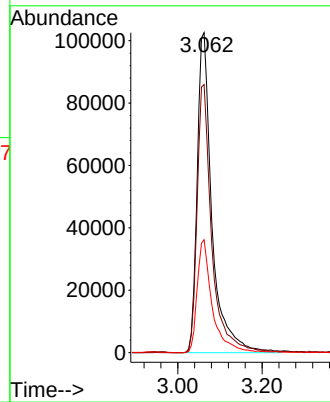
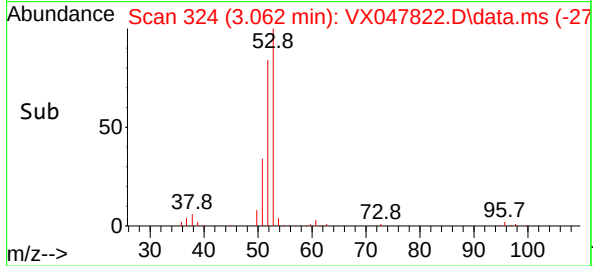
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD



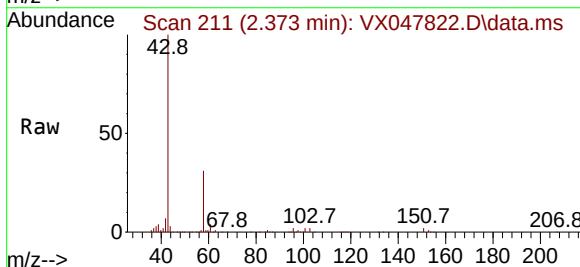
Tgt Ion: 53 Resp: 25153
Ion Ratio Lower Upper
53 100
52 82.9 66.4 99.6
51 36.3 29.5 44.3

Manual Integrations
APPROVED

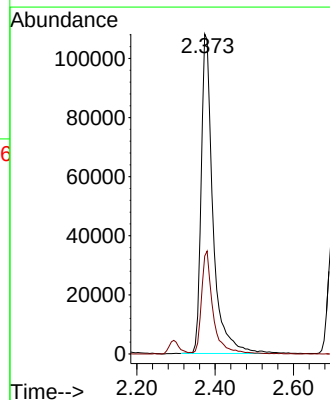
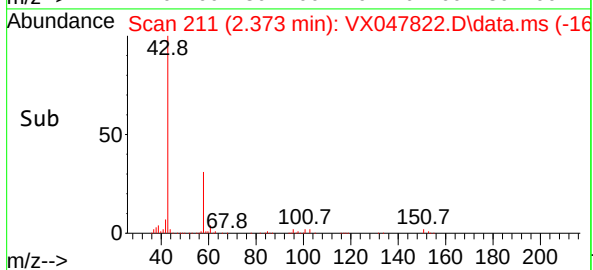
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

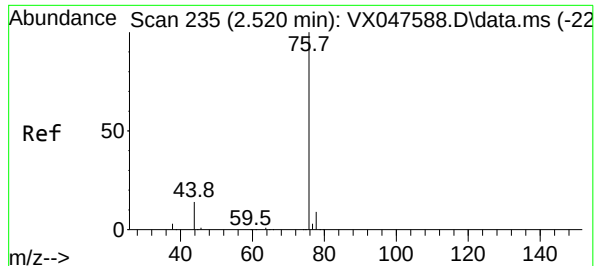


#16
Acetone
Concen: 304.191 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48



Tgt Ion: 43 Resp: 227178
Ion Ratio Lower Upper
43 100
58 30.5 23.4 35.0





#17

Carbon Disulfide

Concen: 44.253 ug/l

RT: 2.520 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion: 76 Resp: 155310

Ion Ratio Lower Upper

76 100

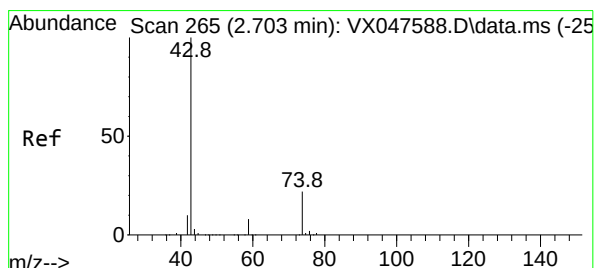
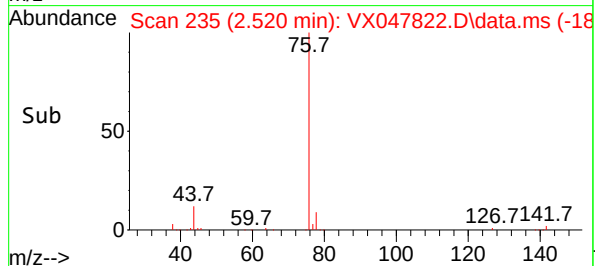
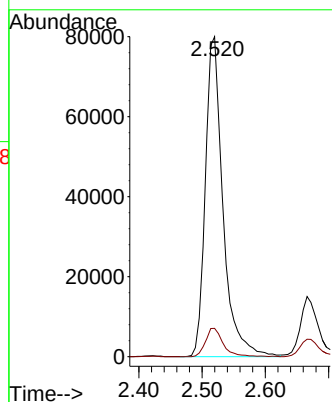
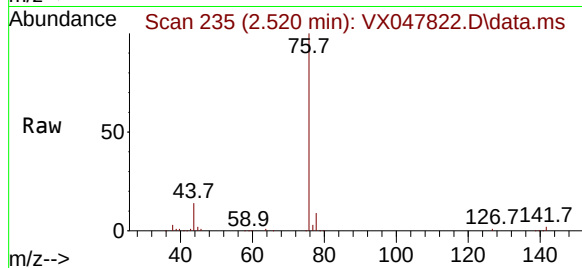
78 8.9 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#18

Methyl Acetate

Concen: 56.110 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX047822.D

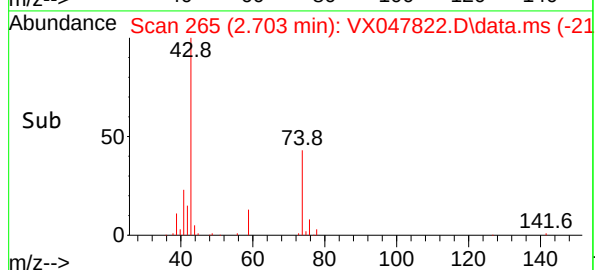
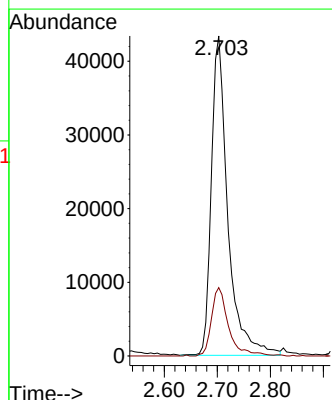
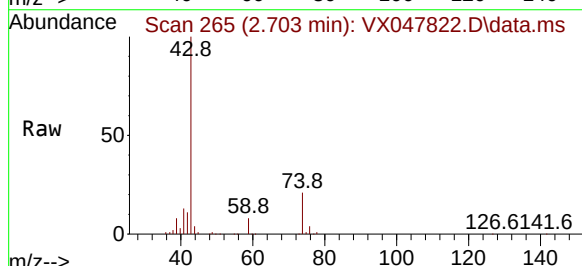
Acq: 25 Sep 2025 18:48

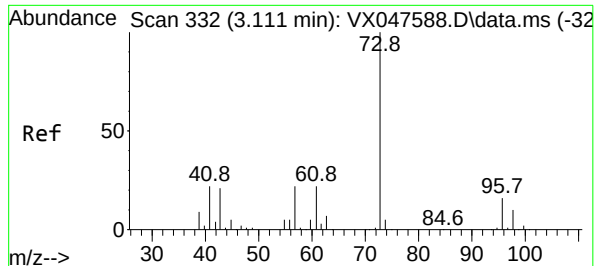
Tgt Ion: 43 Resp: 93258

Ion Ratio Lower Upper

43 100

74 22.2 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 68.110 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion: 73 Resp: 31875

Ion Ratio Lower Upper

73 100

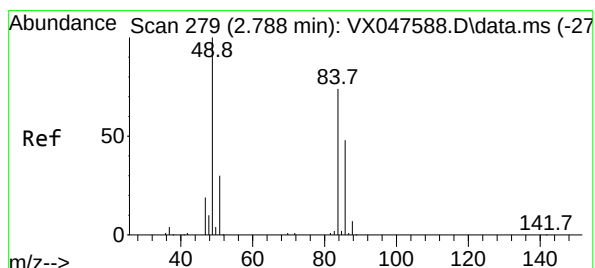
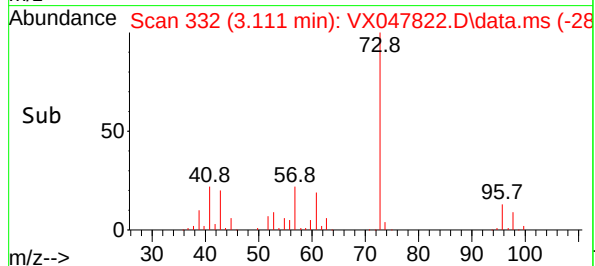
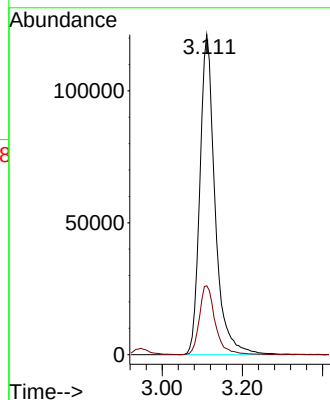
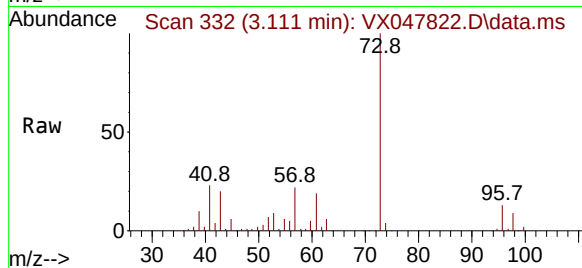
57 21.5 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#20

Methylene Chloride

Concen: 66.998 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Tgt Ion: 84 Resp: 105913

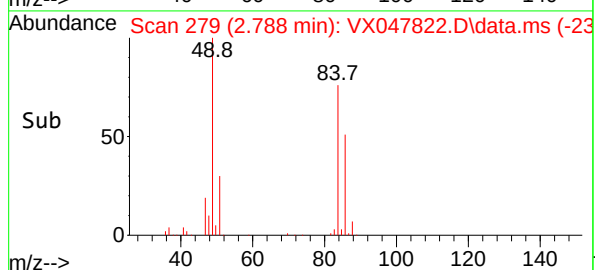
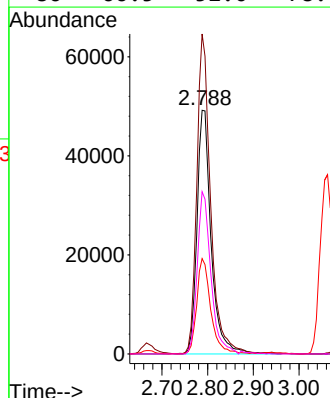
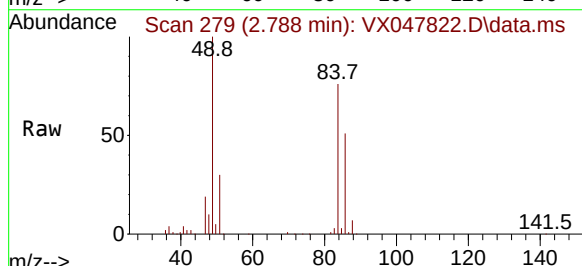
Ion Ratio Lower Upper

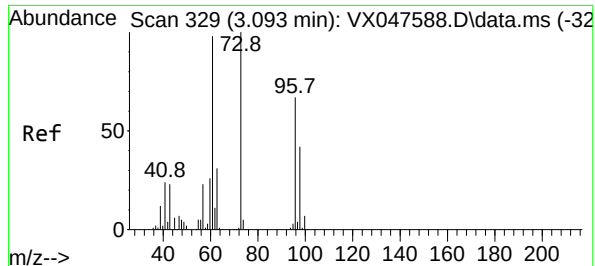
84 100

49 131.0 108.6 162.8

51 39.1 32.6 48.8

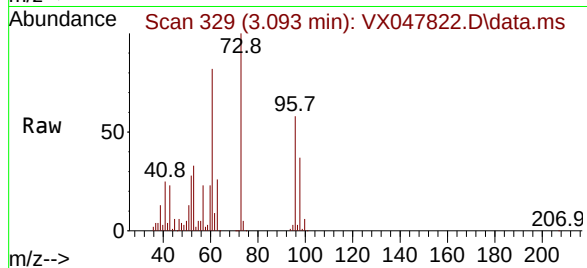
86 66.5 52.0 78.0





#21
trans-1,2-Dichloroethene
Concen: 57.742 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

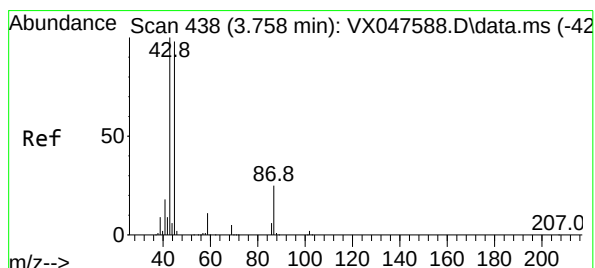
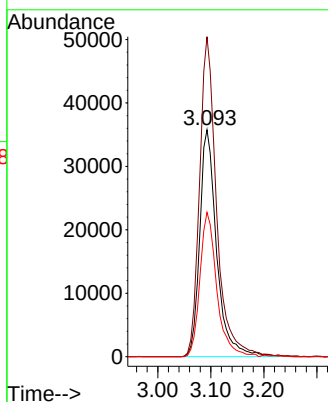
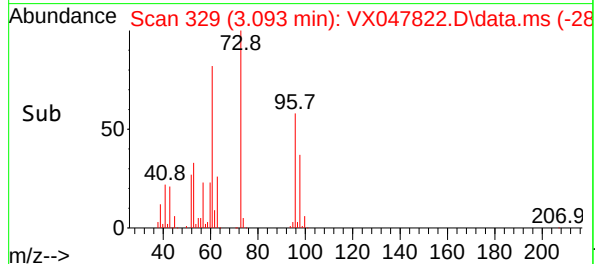
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD



Tgt Ion: 96 Resp: 7970
Ion Ratio Lower Upper
96 100
61 141.0 116.2 174.2
98 63.6 49.3 73.9

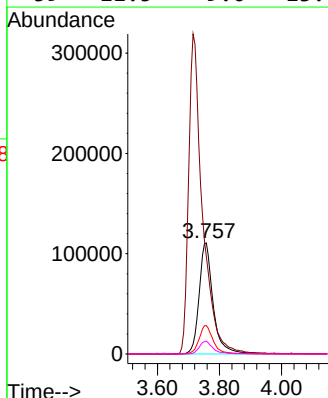
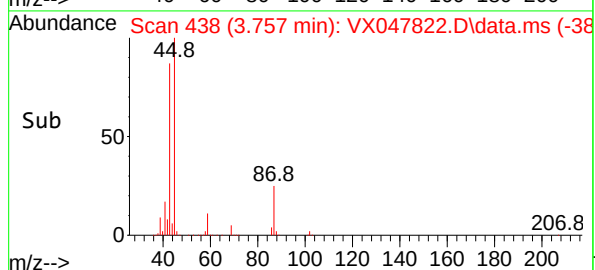
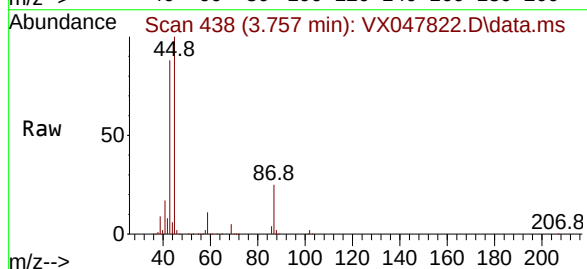
Manual Integrations
APPROVED

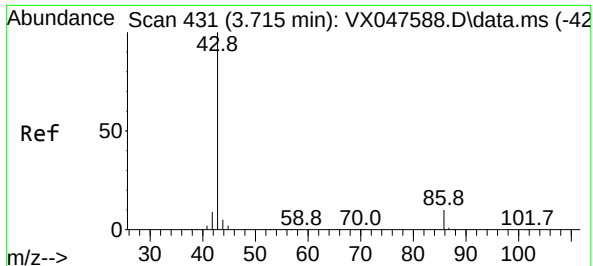
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#22
Diisopropyl ether
Concen: 67.421 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 45 Resp: 345679
Ion Ratio Lower Upper
45 100
43 87.0 81.0 121.4
87 25.5 20.3 30.5
59 11.5 9.0 13.4





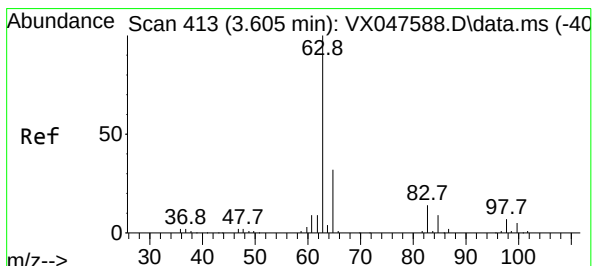
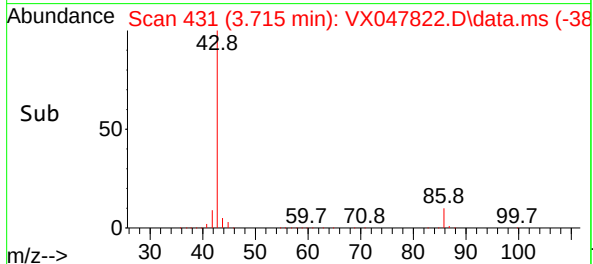
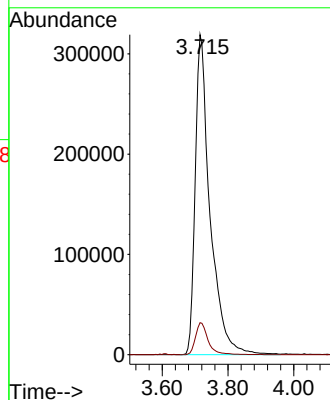
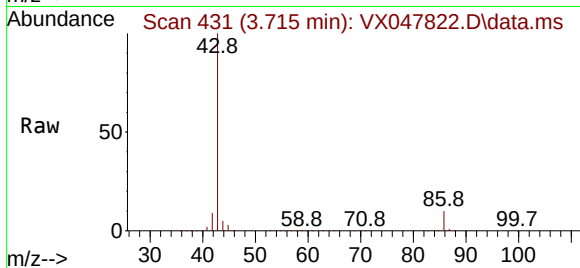
#23
Vinyl Acetate
Concen: 242.988 ug/l
RT: 3.715 min Scan# 411
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

Tgt Ion: 43 Resp: 99710
Ion Ratio Lower Upper
43 100
86 10.0 7.8 11.8

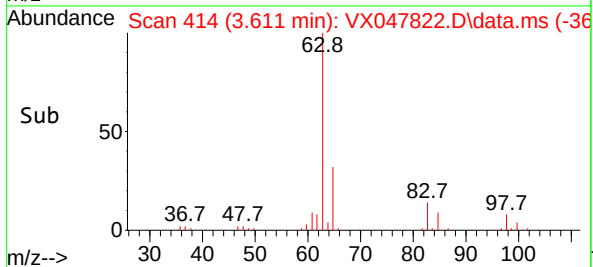
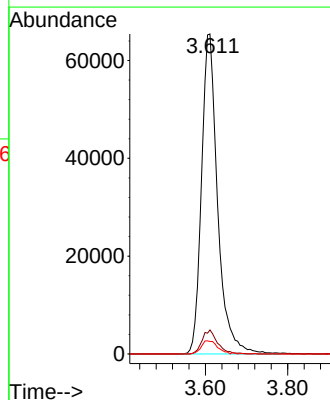
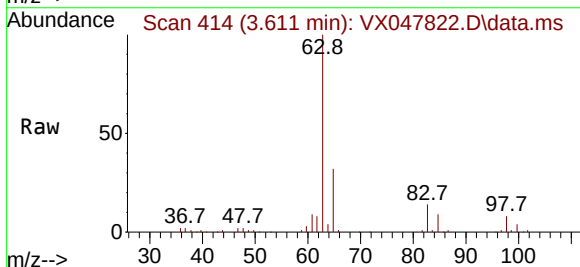
Manual Integrations
APPROVED

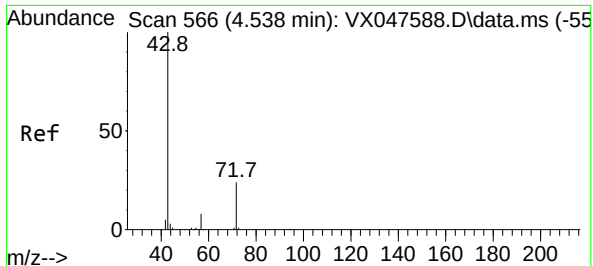
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#24
1,1-Dichloroethane
Concen: 65.213 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 63 Resp: 177714
Ion Ratio Lower Upper
63 100
98 8.0 3.8 11.2
100 3.9 2.3 6.9





#25

2-Butanone

Concen: 356.161 ug/l

RT: 4.544 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion: 43 Resp: 331790

Ion Ratio Lower Upper

43 100

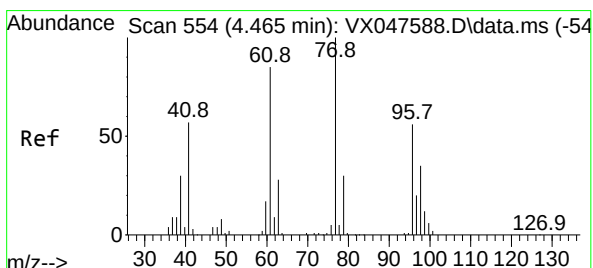
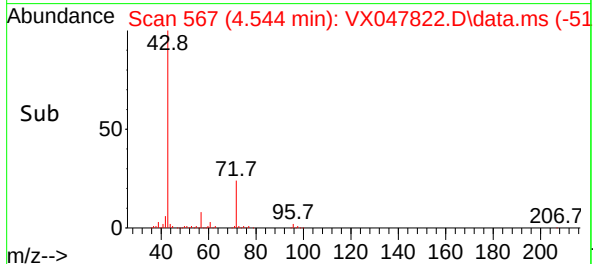
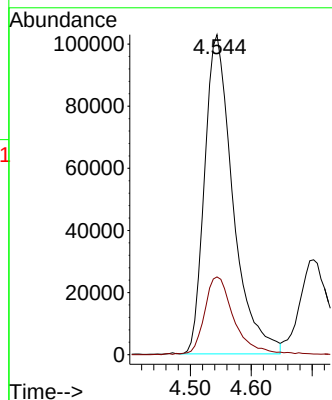
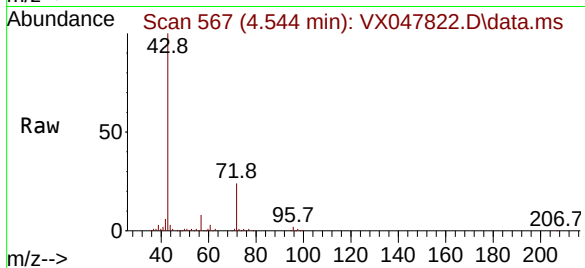
72 23.9 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#26

2,2-Dichloropropane

Concen: 20.100 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX047822.D

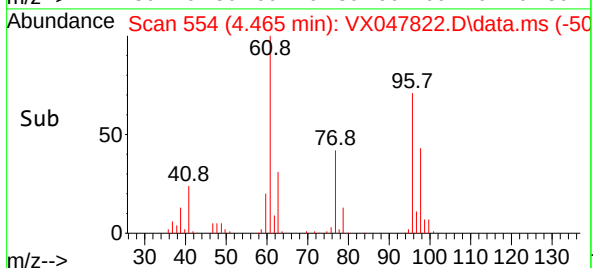
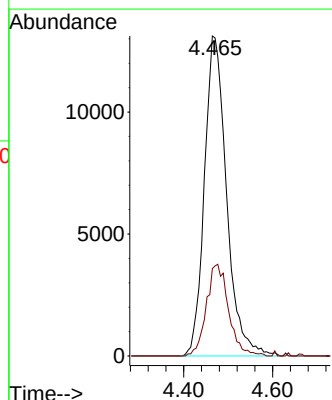
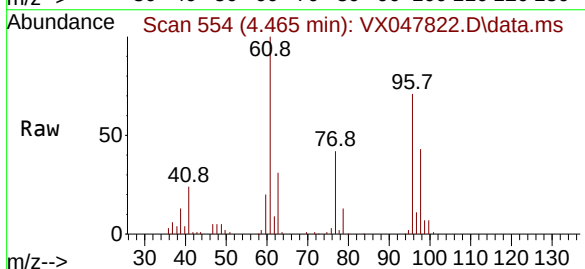
Acq: 25 Sep 2025 18:48

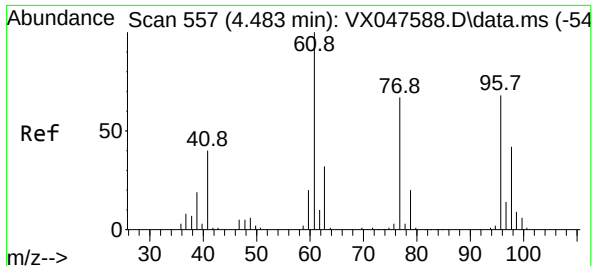
Tgt Ion: 77 Resp: 45532

Ion Ratio Lower Upper

77 100

97 28.6 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 63.633 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX047822.D

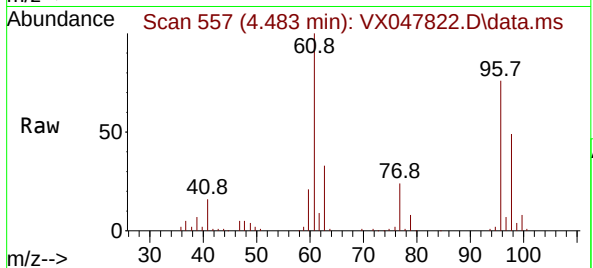
Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD



Tgt Ion: 96 Resp: 107560

Ion Ratio Lower Upper

96 100

61 135.6 0.0 303.2

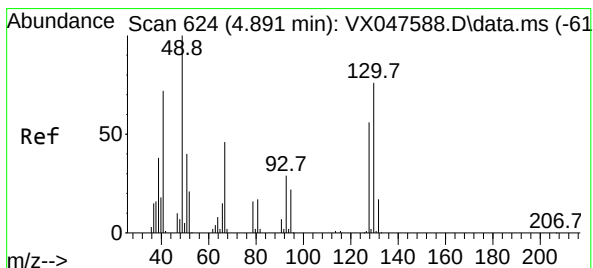
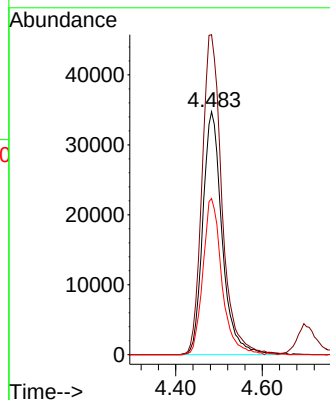
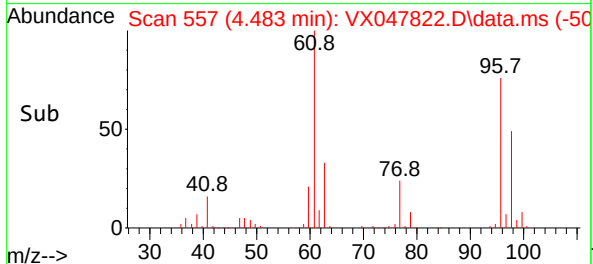
98 62.9 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#28

Bromochloromethane

Concen: 66.627 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

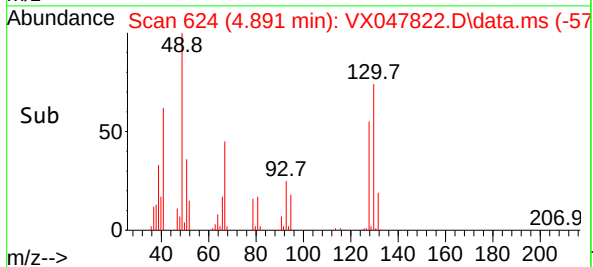
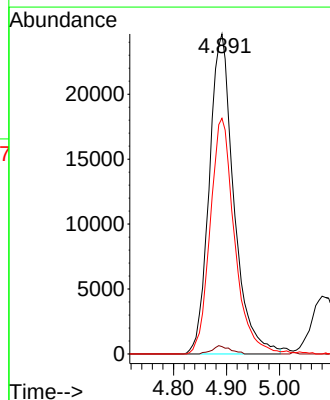
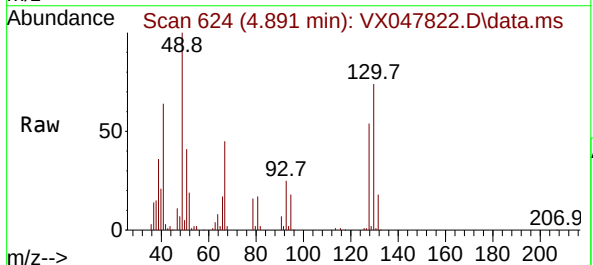
Tgt Ion: 49 Resp: 79267

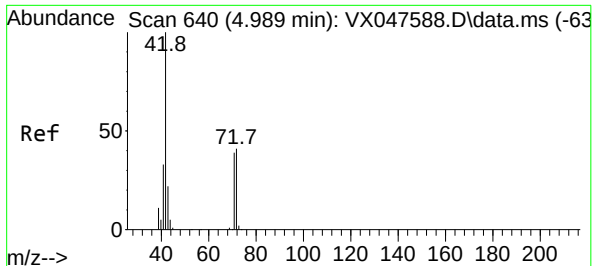
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.2

130 73.3 57.8 86.8





#29

Tetrahydrofuran

Concen: 373.639 ug/l

RT: 4.989 min Scan# 640

Delta R.T. -0.000 min

Lab File: VX047822.D

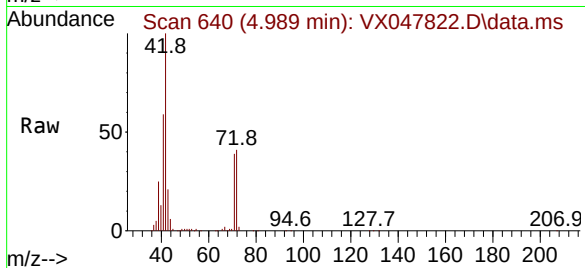
Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD



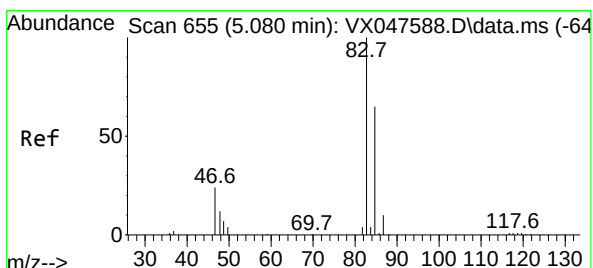
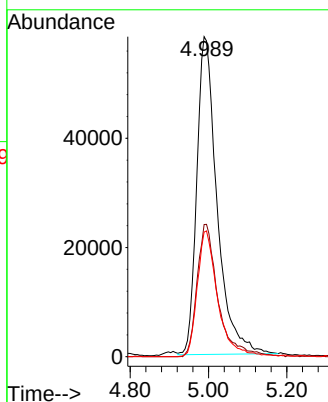
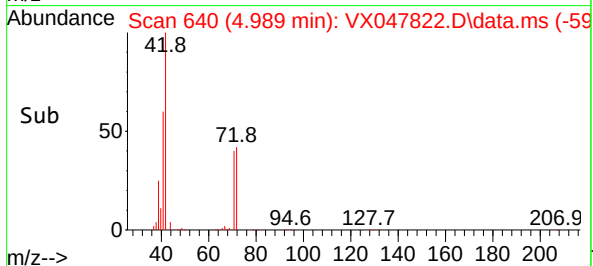
Tgt Ion:	42	Resp:	20939
Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.2	51.2
71	39.9	31.9	47.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#30

Chloroform

Concen: 69.304 ug/l

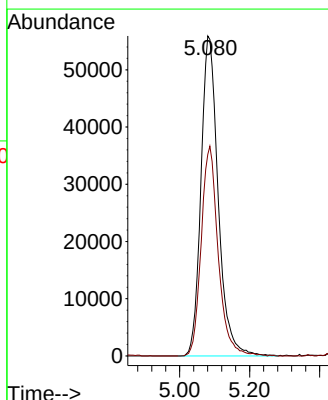
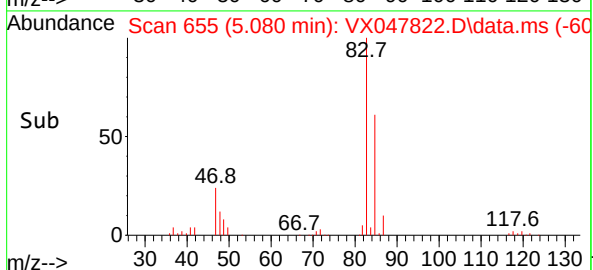
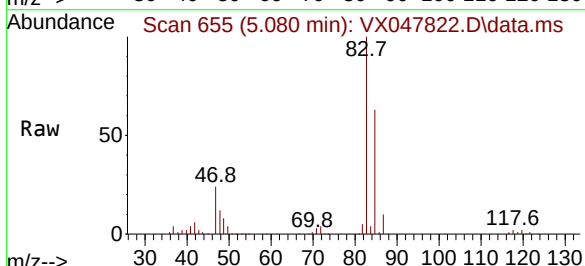
RT: 5.080 min Scan# 655

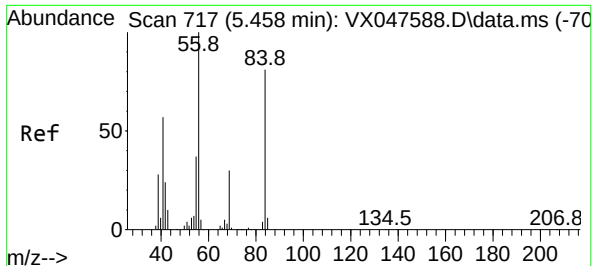
Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Tgt Ion:	83	Resp:	190851
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.8	77.6





#31

Cyclohexane

Concen: 37.463 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.006 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion: 56 Resp: 85029

Ion Ratio Lower Upper

56 100

69 29.5 23.8 35.8

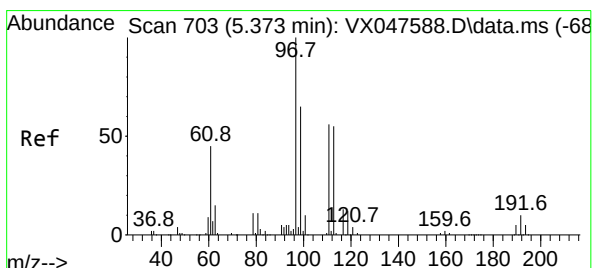
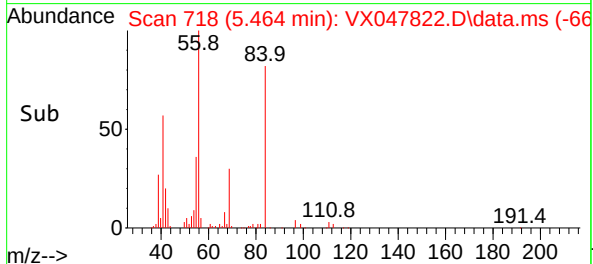
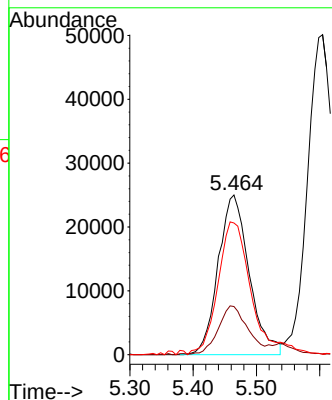
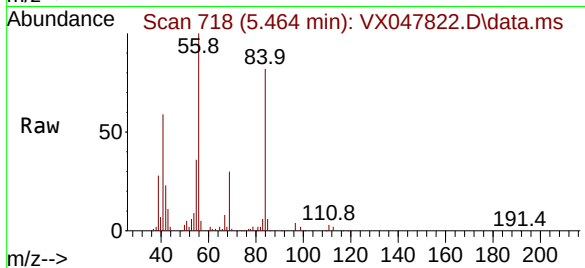
84 79.7 64.6 97.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#32

1,1,1-Trichloroethane

Concen: 58.661 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

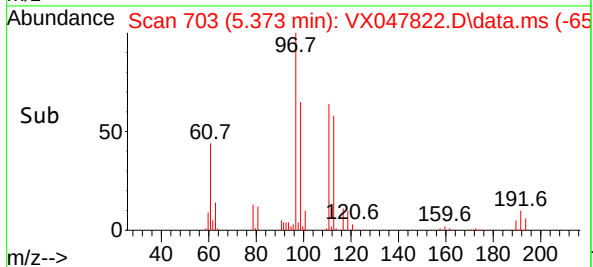
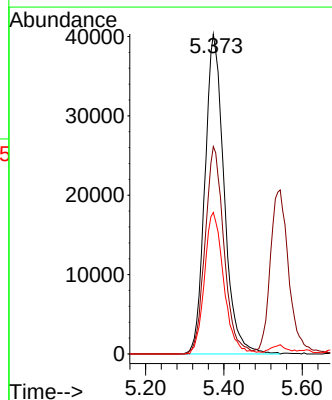
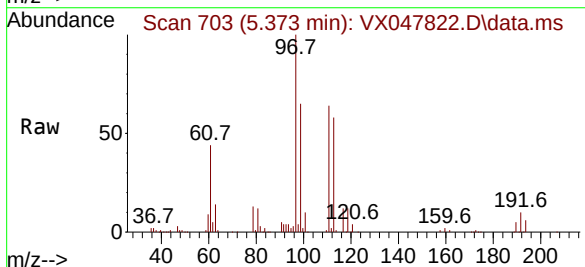
Tgt Ion: 97 Resp: 137022

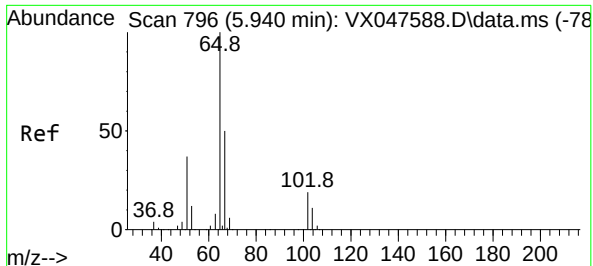
Ion Ratio Lower Upper

97 100

99 63.8 50.6 76.0

61 44.6 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 61.824 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion: 65 Resp: 10619

Ion Ratio Lower Upper

65 100

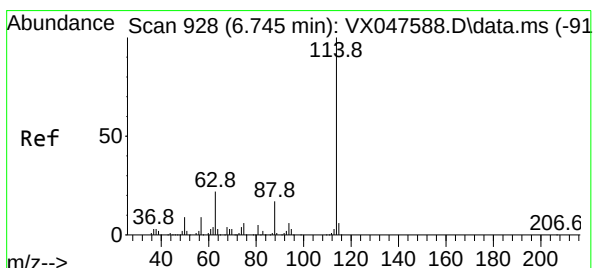
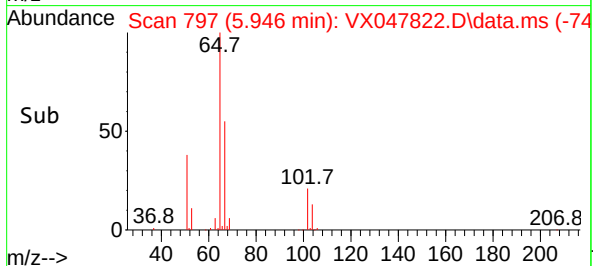
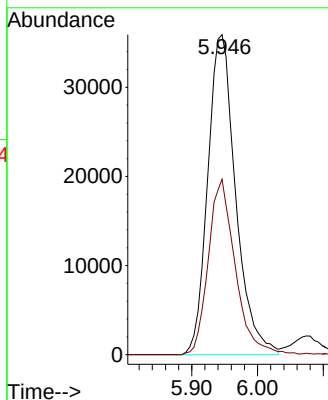
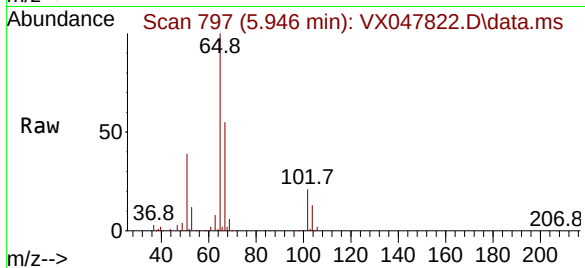
67 52.8 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

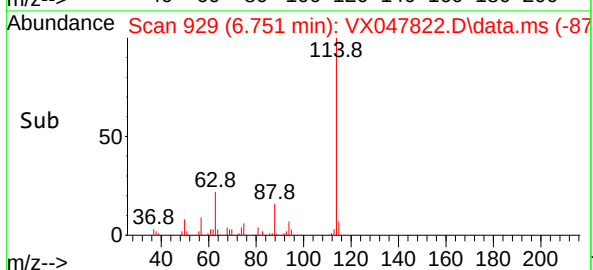
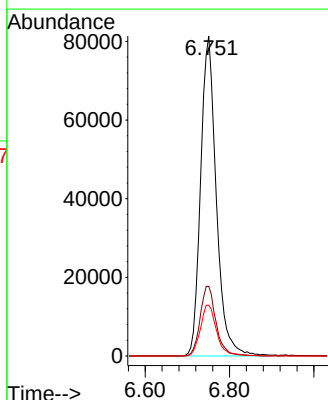
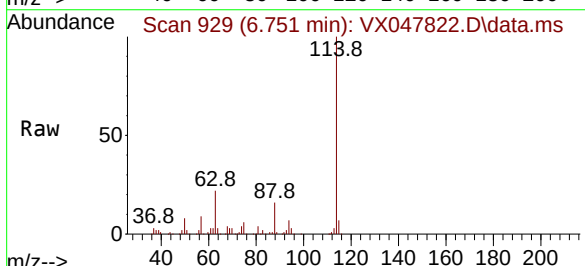
Tgt Ion:114 Resp: 210706

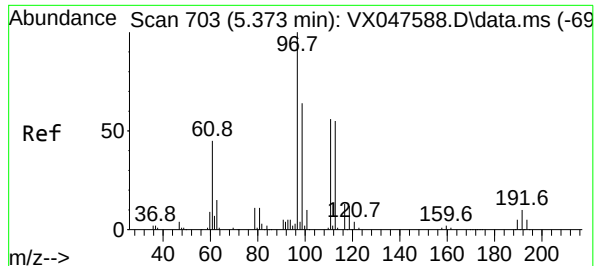
Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.0

88 15.8 0.0 34.2





#35

Dibromofluoromethane

Concen: 56.565 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

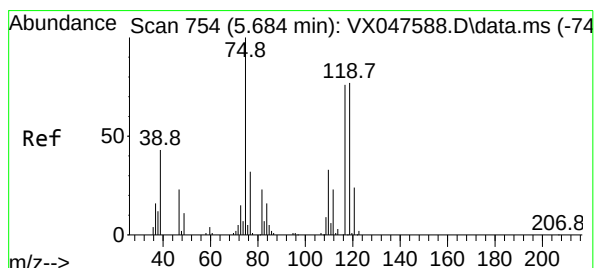
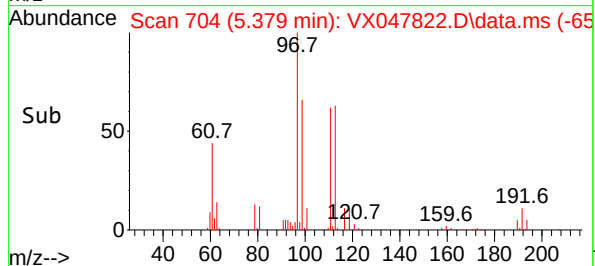
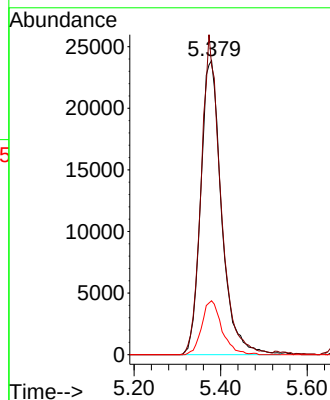
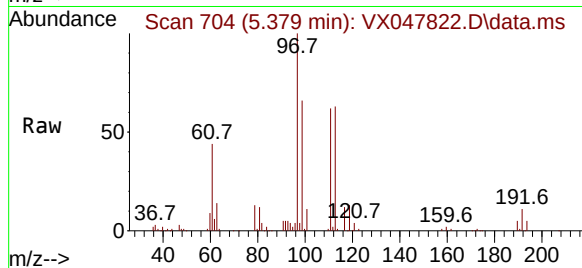
BP-VPB-184-GW-320-322MSD

Tgt Ion:	113	Resp:	7993
Ion Ratio	Lower	Upper	
113	100		
111	101.9	80.9	121.3
192	17.6	14.2	21.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#36

1,1-Dichloropropene

Concen: 45.137 ug/l

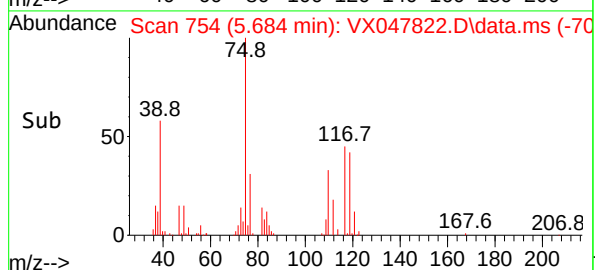
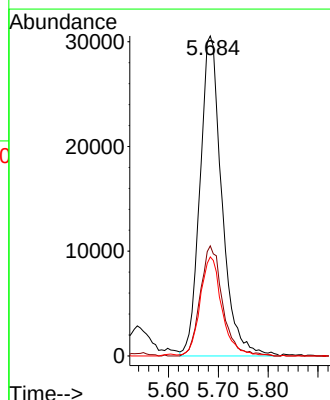
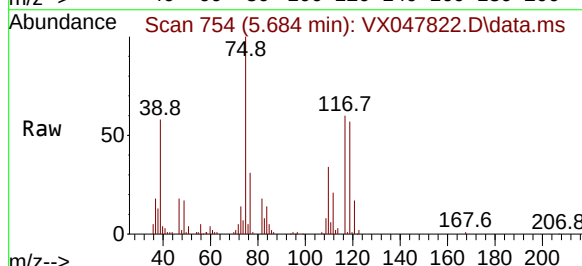
RT: 5.684 min Scan# 754

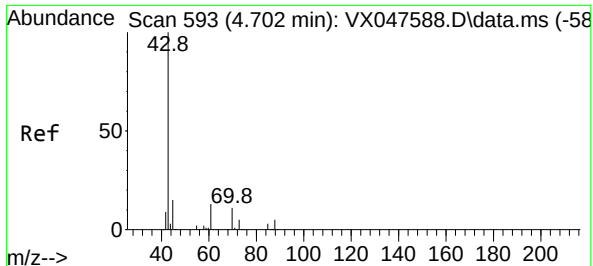
Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Tgt Ion:	75	Resp:	93202
Ion Ratio	Lower	Upper	
75	100		
110	35.0	16.7	50.1
77	30.2	24.3	36.5





#37

Ethyl Acetate

Concen: 49.721 ug/l

RT: 4.702 min Scan# 593

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

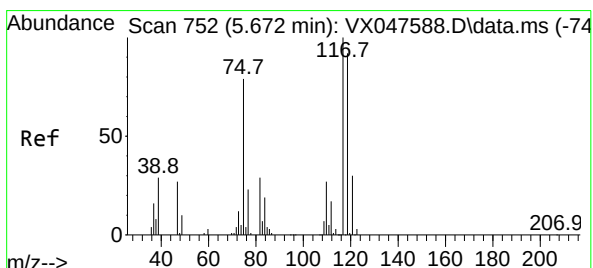
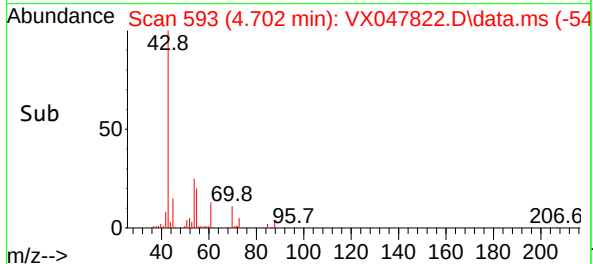
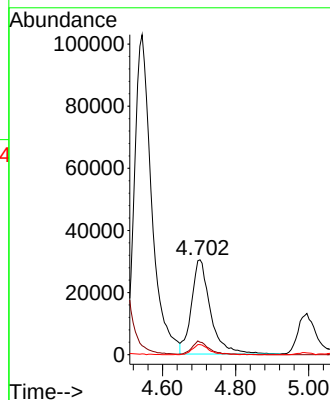
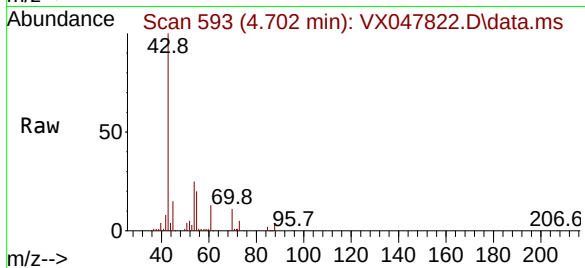
BP-VPB-184-GW-320-322MSD

Tgt Ion:	43	Resp:	109929
Ion	Ratio	Lower	Upper
43	100		
61	13.2	9.8	14.8
70	9.6	7.9	11.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#38

Carbon Tetrachloride

Concen: 35.644 ug/l

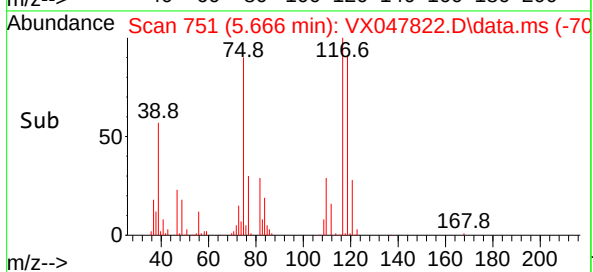
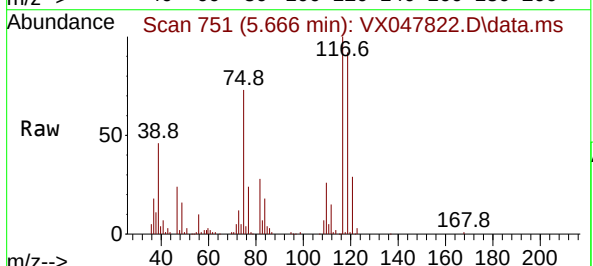
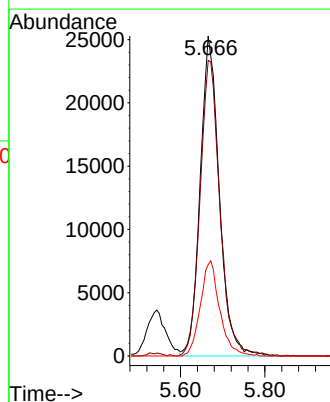
RT: 5.666 min Scan# 751

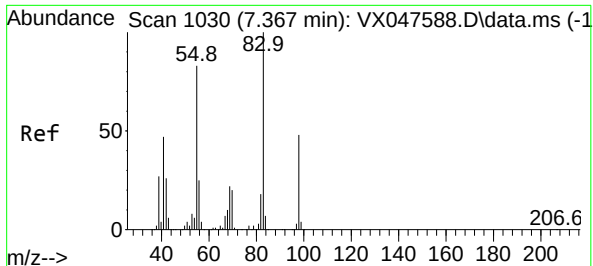
Delta R.T. -0.006 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Tgt Ion:	117	Resp:	79969
Ion	Ratio	Lower	Upper
117	100		
119	92.4	73.4	110.2
121	28.6	23.8	35.6





#39

Methylcyclohexane

Concen: 27.175 ug/l

RT: 7.366 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VX047822.D

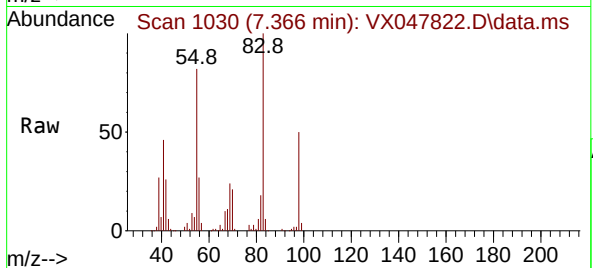
Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

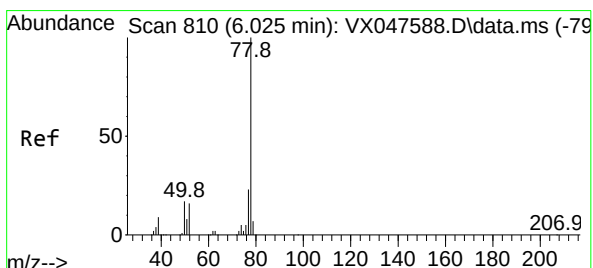
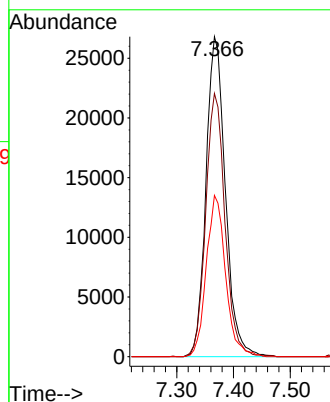
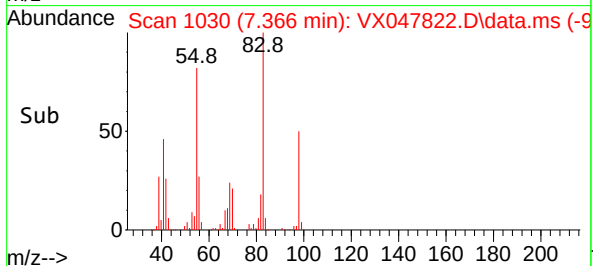


Tgt Ion:	83	Resp:	63690
Ion	Ratio	Lower	Upper
83	100		
55	82.3	66.4	99.6
98	50.4	38.1	57.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#40

Benzene

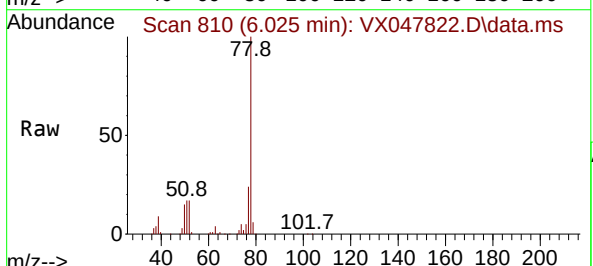
Concen: 58.195 ug/l

RT: 6.025 min Scan# 810

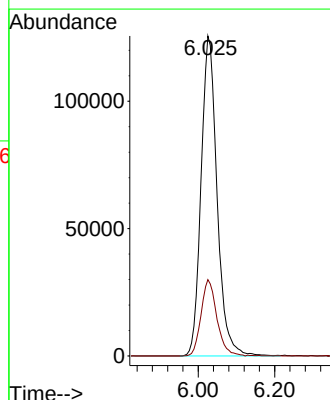
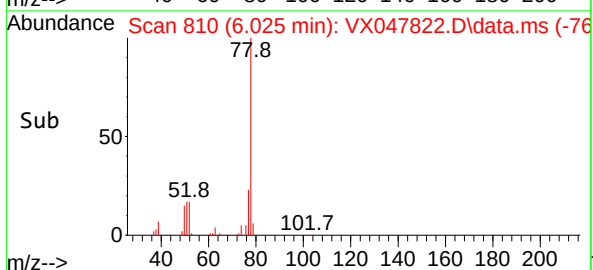
Delta R.T. -0.000 min

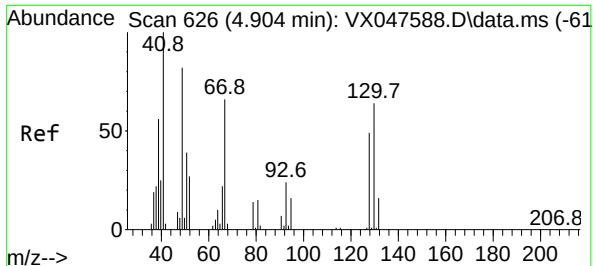
Lab File: VX047822.D

Acq: 25 Sep 2025 18:48



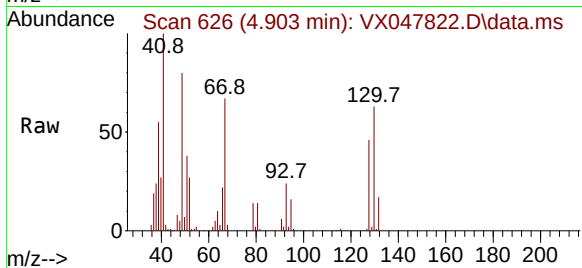
Tgt Ion:	78	Resp:	364974
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





#41
Methacrylonitrile
Concen: 63.018 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

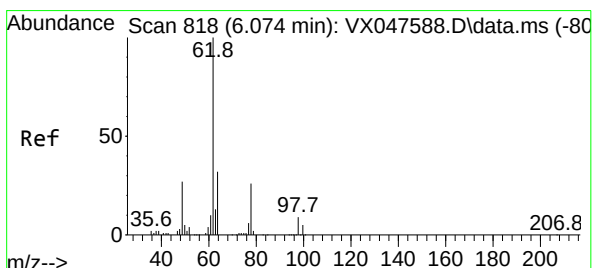
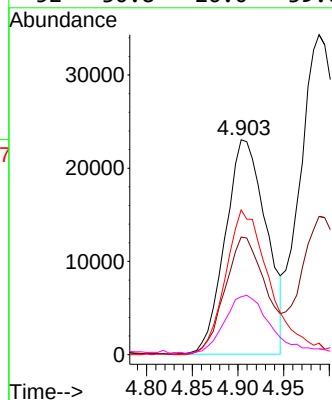
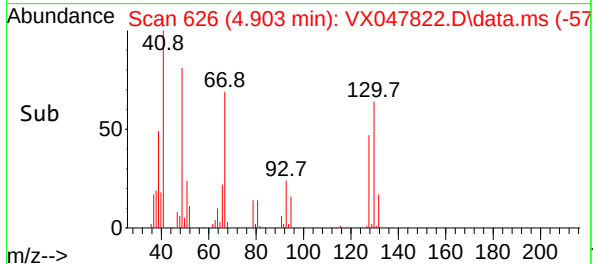
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD



Tgt Ion: 41 Resp: 71928
Ion Ratio Lower Upper
41 100
39 53.7 43.3 64.9
67 75.5 58.6 87.8
52 30.8 26.0 39.0

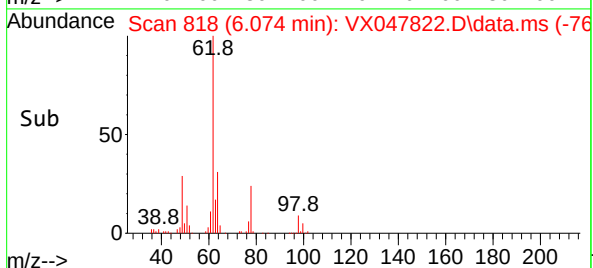
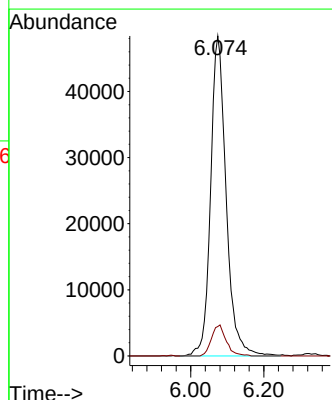
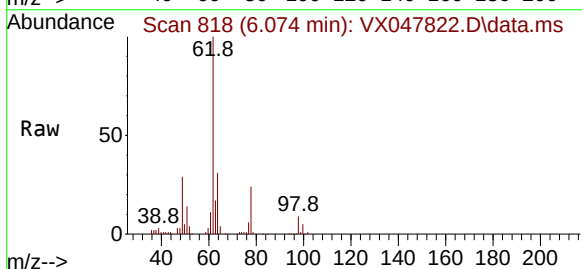
Manual Integrations
APPROVED

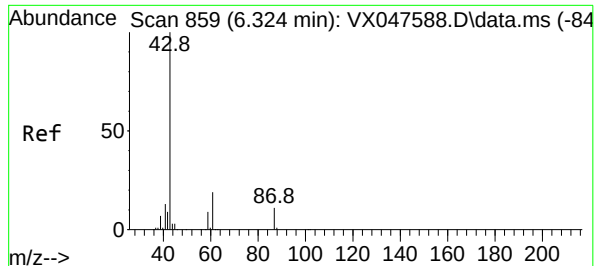
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#42
1,2-Dichloroethane
Concen: 59.747 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 62 Resp: 142572
Ion Ratio Lower Upper
62 100
98 9.2 0.0 17.0





#43

Isopropyl Acetate

Concen: 54.186 ug/l

RT: 6.324 min Scan# 859

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

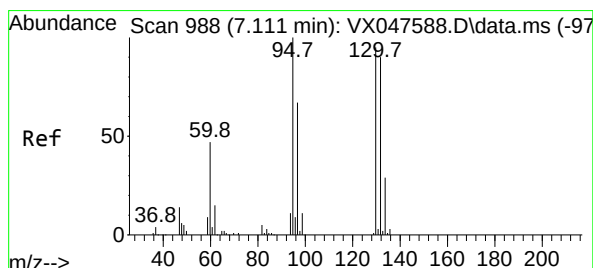
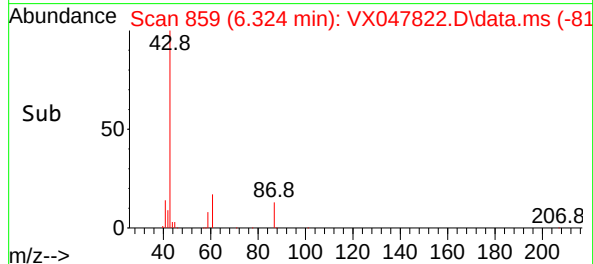
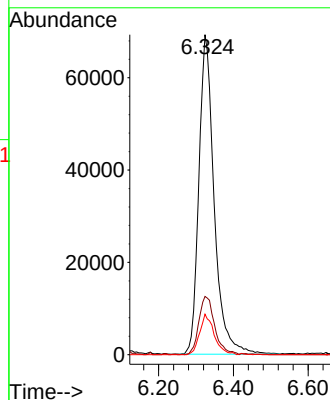
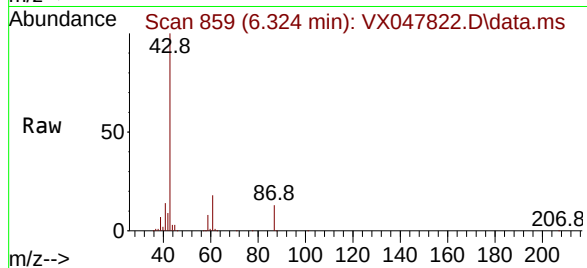
BP-VPB-184-GW-320-322MSD

Tgt Ion:	43	Resp:	196479
Ion Ratio	Lower	Upper	
43	100		
61	18.9	15.2	22.8
87	12.0	9.6	14.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#44

Trichloroethene

Concen: 56.233 ug/l

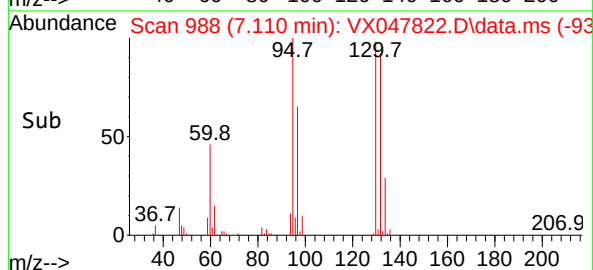
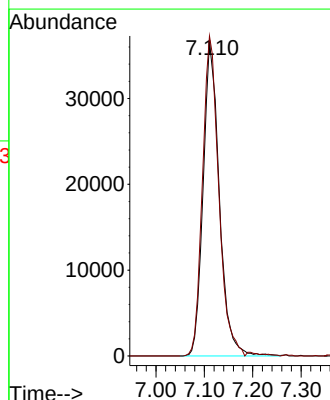
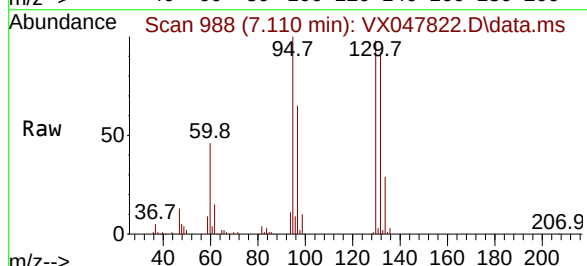
RT: 7.110 min Scan# 988

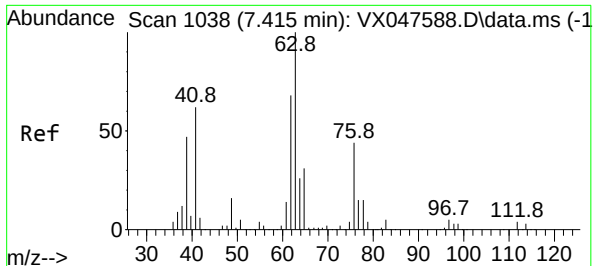
Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Tgt Ion:	130	Resp:	85262
Ion Ratio	Lower	Upper	
130	100		
95	101.8	0.0	210.8





#45

1,2-Dichloropropane

Concen: 61.092 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion: 63 Resp: 98109

Ion Ratio Lower Upper

63 100

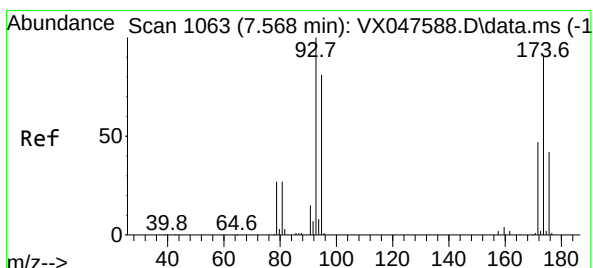
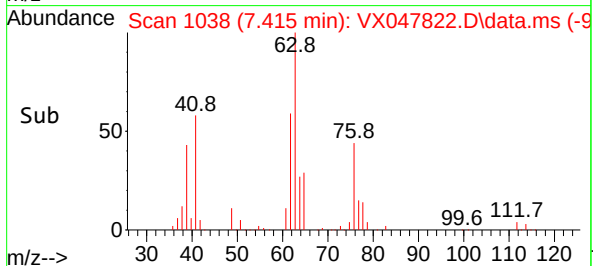
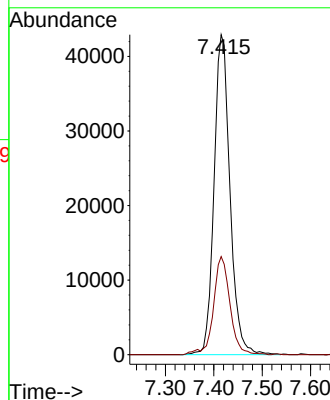
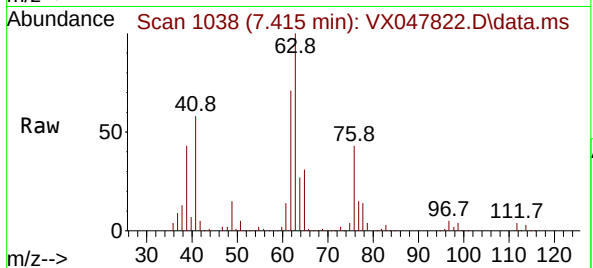
65 30.6 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#46

Dibromomethane

Concen: 63.124 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

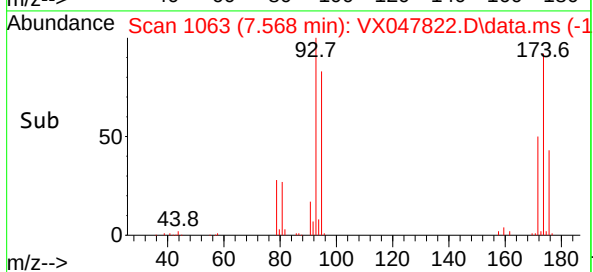
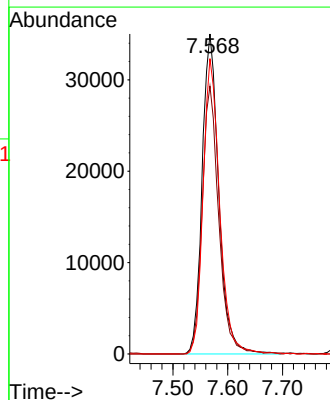
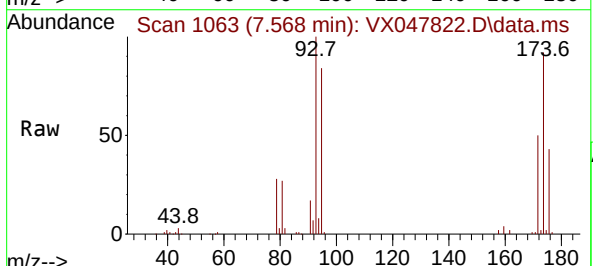
Tgt Ion: 93 Resp: 73769

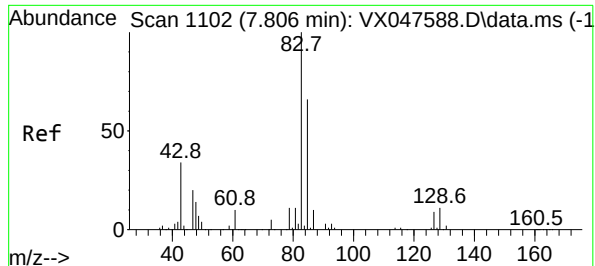
Ion Ratio Lower Upper

93 100

95 83.1 65.0 97.6

174 91.9 71.6 107.4





#47

Bromodichloromethane

Concen: 44.842 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

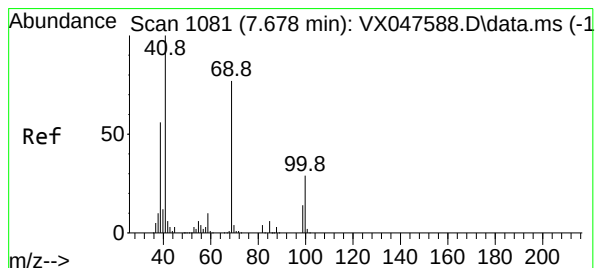
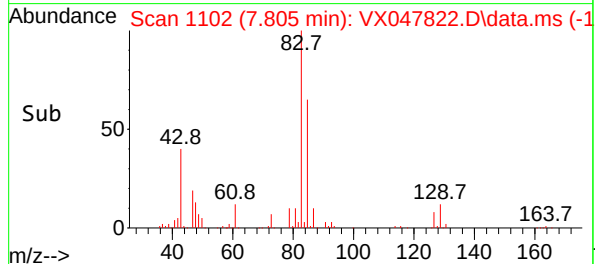
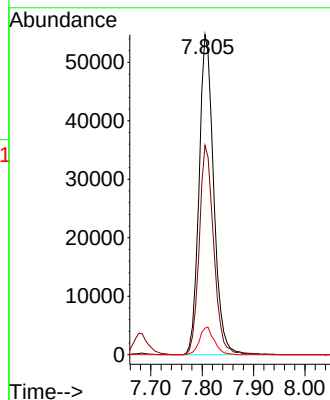
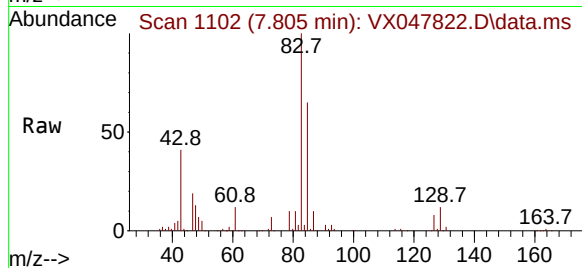
Tgt Ion:	83	Resp:	10813
Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.5	78.7
127	8.3	6.9	10.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#48

Methyl methacrylate

Concen: 62.622 ug/l

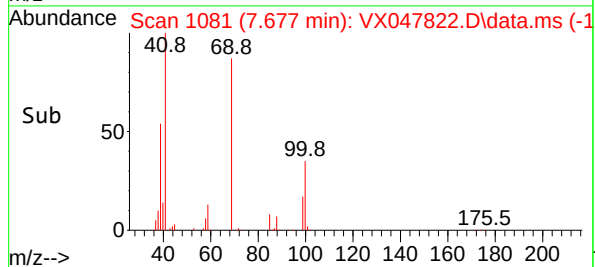
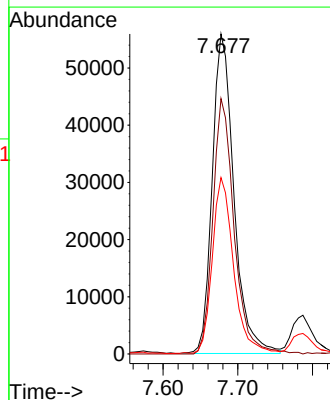
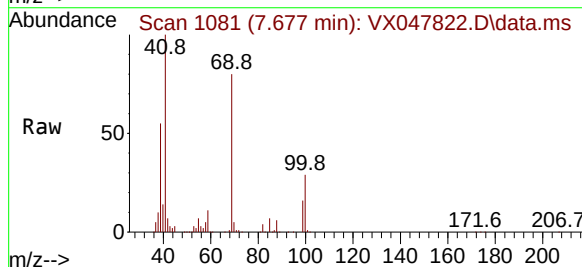
RT: 7.677 min Scan# 1081

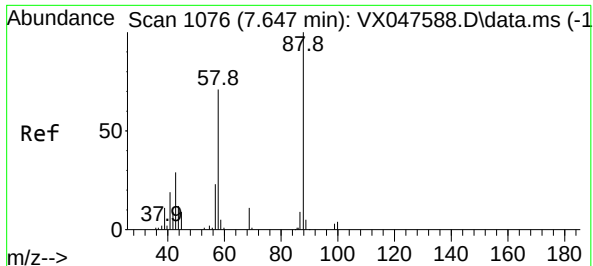
Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Tgt Ion:	41	Resp:	113105
Ion	Ratio	Lower	Upper
41	100		
69	78.2	61.4	92.2
39	54.0	45.8	68.6





#49

1,4-Dioxane

Concen: 1613.910 ug/l

RT: 7.641 min Scan# 1076

Delta R.T. -0.006 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

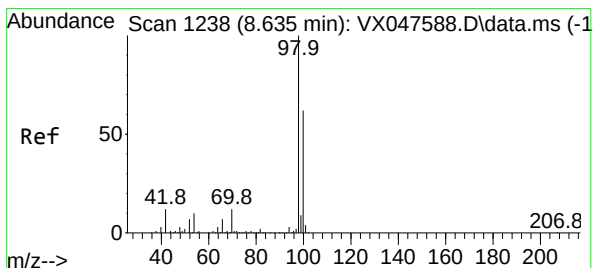
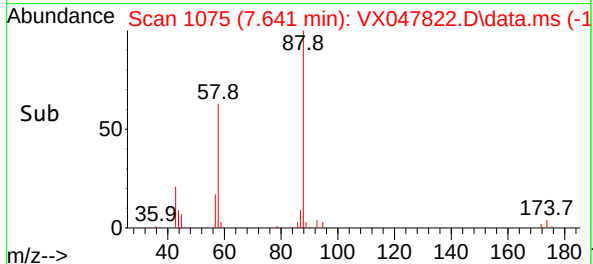
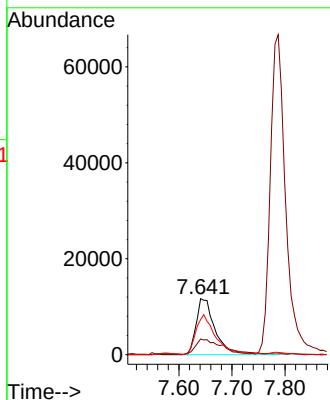
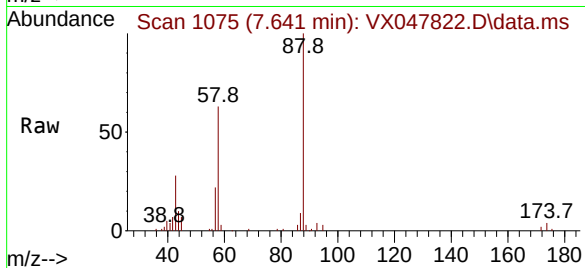
BP-VPB-184-GW-320-322MSD

Tgt Ion:	88	Resp:	2945
Ion	Ratio	Lower	Upper
88	100		
43	37.3	30.2	45.2
58	74.0	59.5	89.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#50

Toluene-d8

Concen: 49.852 ug/l

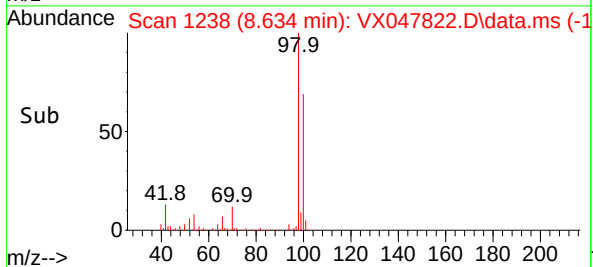
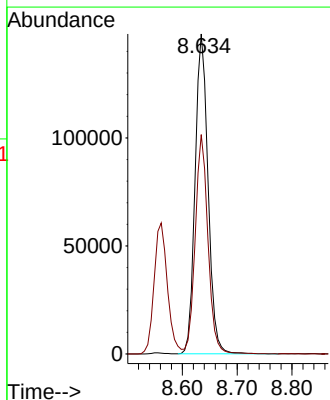
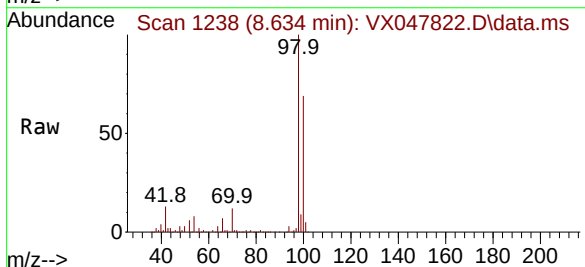
RT: 8.634 min Scan# 1238

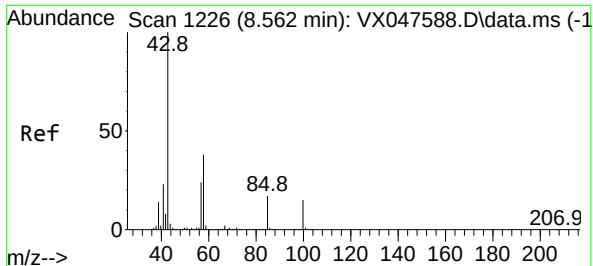
Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

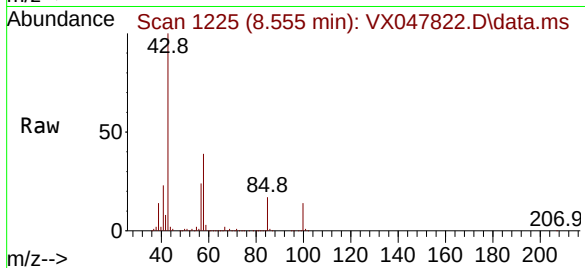
Tgt Ion:	98	Resp:	243759
Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 347.659 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

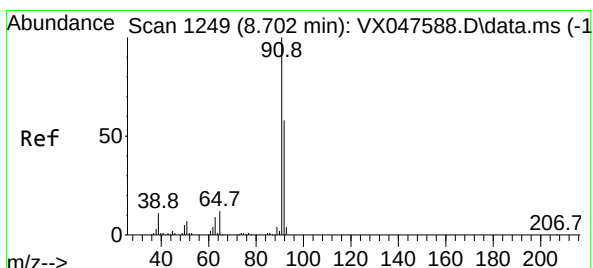
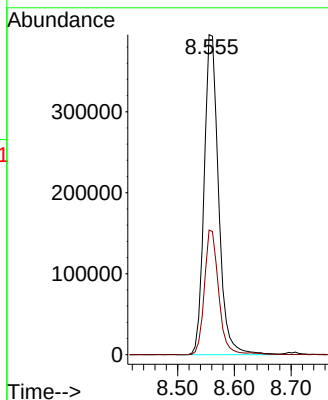
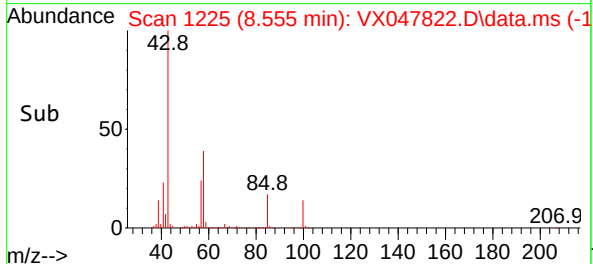
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD



Tgt Ion: 43 Resp: 69894
Ion Ratio Lower Upper
43 100
58 38.7 30.3 45.5

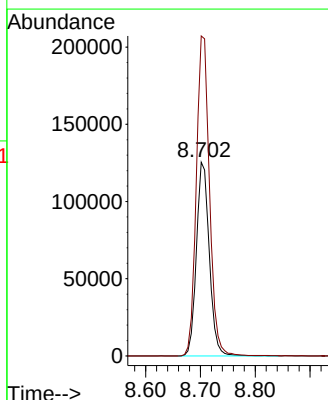
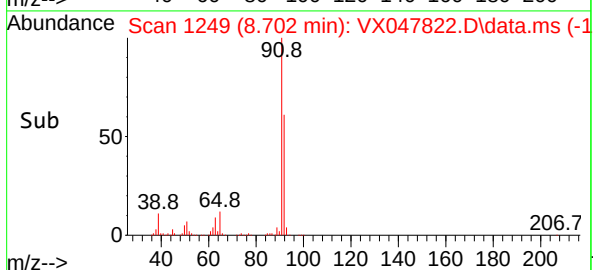
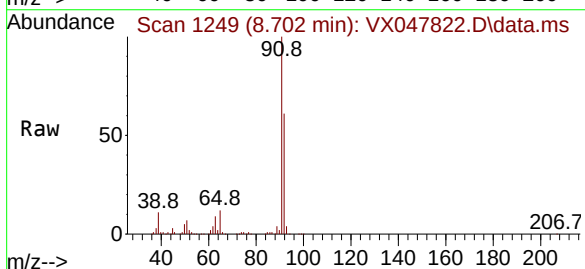
Manual Integrations
APPROVED

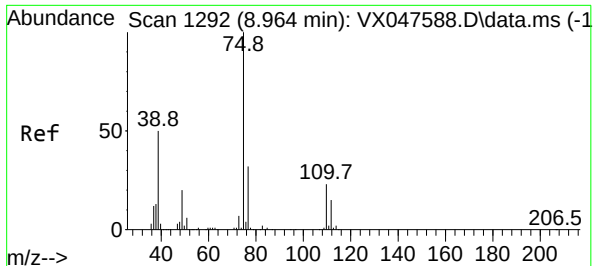
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#52
Toluene
Concen: 53.171 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 92 Resp: 205447
Ion Ratio Lower Upper
92 100
91 169.4 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 42.142 ug/l

RT: 8.964 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion: 75 Resp: 103660

Ion Ratio Lower Upper

75 100

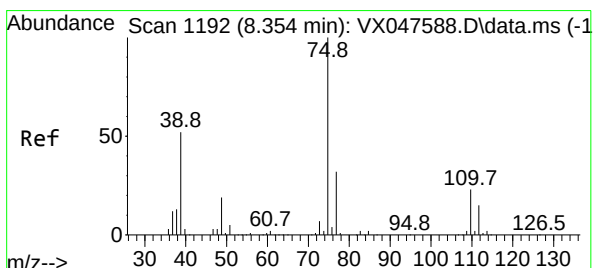
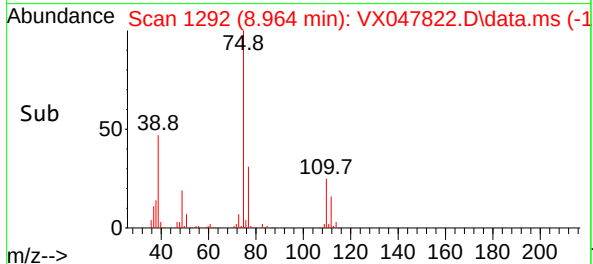
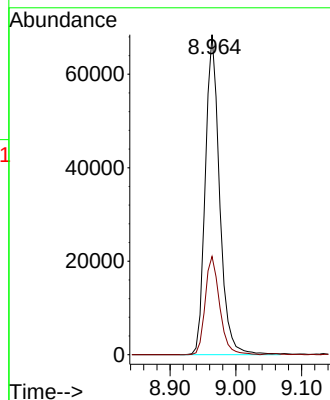
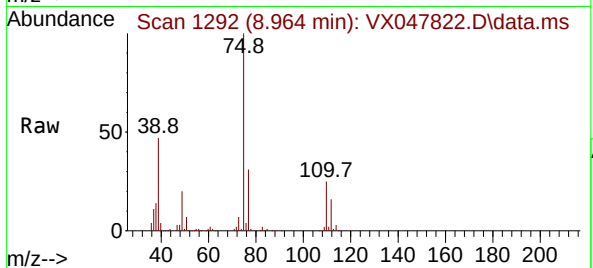
77 30.7 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#54

cis-1,3-Dichloropropene

Concen: 42.430 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

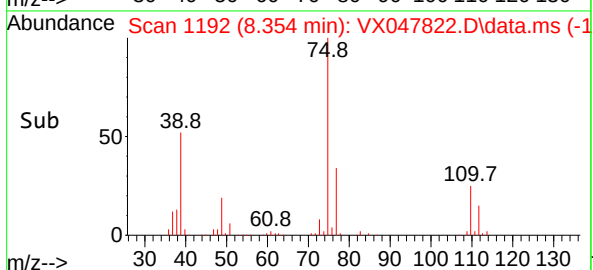
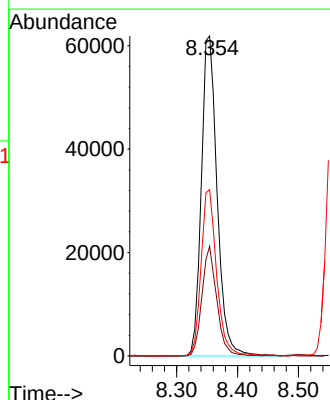
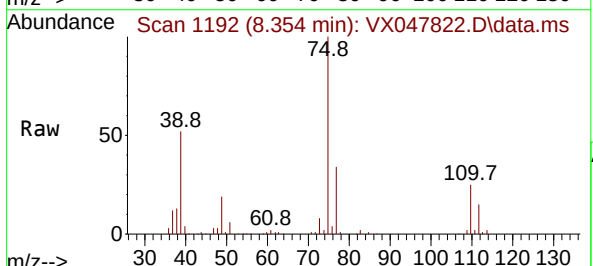
Tgt Ion: 75 Resp: 111553

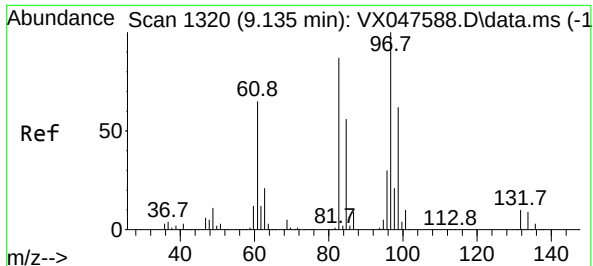
Ion Ratio Lower Upper

75 100

77 34.3 25.8 38.6

39 51.8 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 64.711 ug/l

RT: 9.134 min Scan# 1320

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion: 97 Resp: 9641

Ion Ratio Lower Upper

97 100

83 84.2 69.6 104.4

85 56.3 45.0 67.6

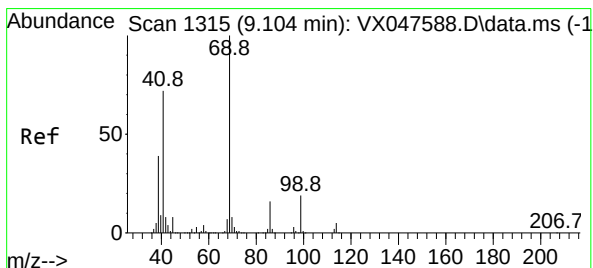
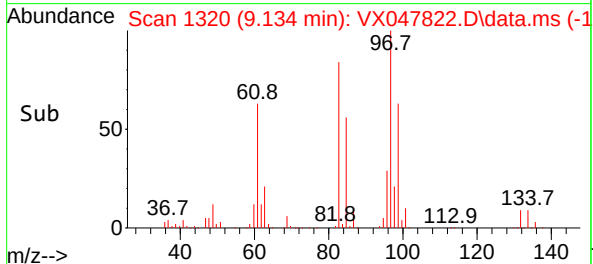
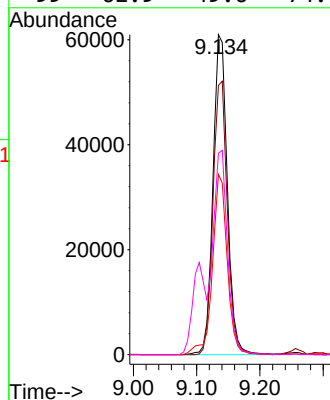
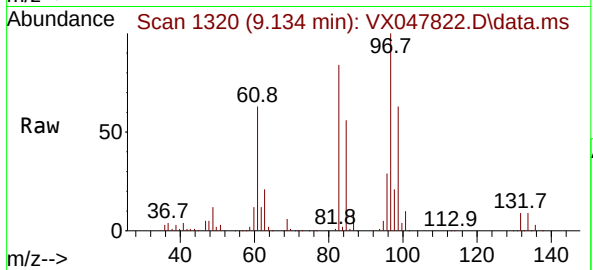
99 62.9 49.6 74.4

Manual Integrations

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Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#56

Ethyl methacrylate

Concen: 62.576 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

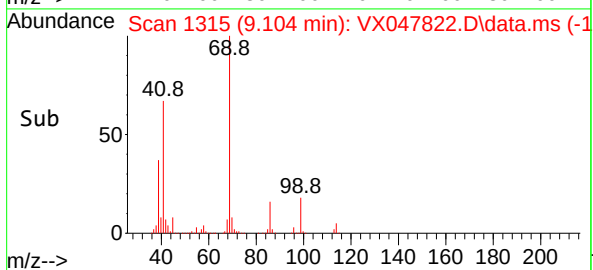
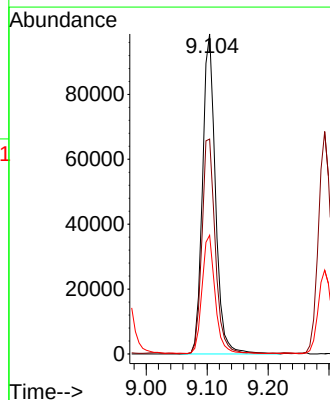
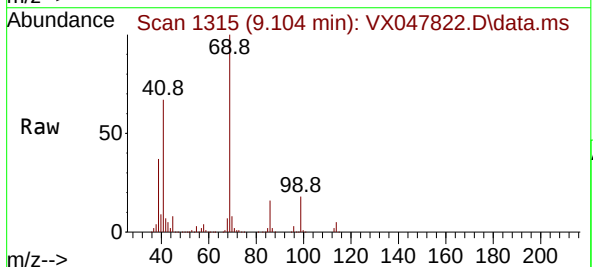
Tgt Ion: 69 Resp: 146418

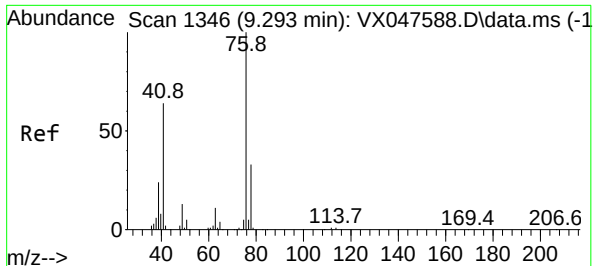
Ion Ratio Lower Upper

69 100

41 69.1 58.6 87.8

39 37.3 31.5 47.3





#57

1,3-Dichloropropane

Concen: 64.152 ug/l

RT: 9.293 min Scan# 1346

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion: 76 Resp: 164190

Ion Ratio Lower Upper

76 100

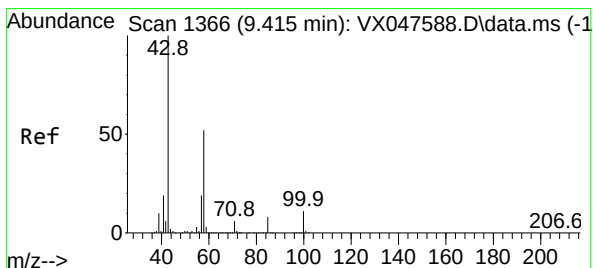
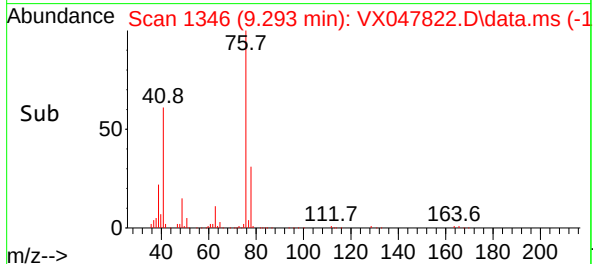
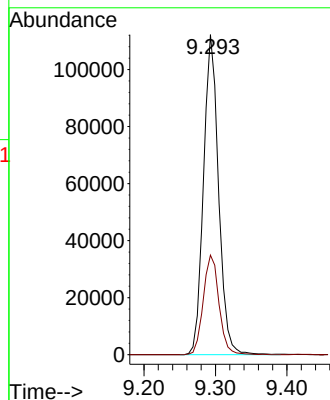
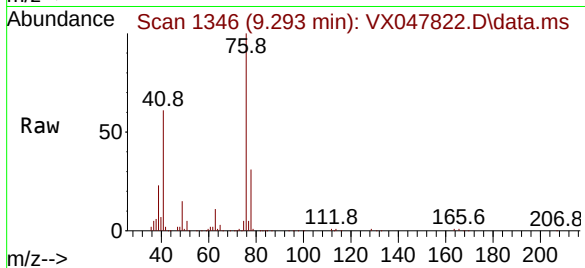
78 32.4 26.2 39.4

Manual Integrations

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Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#59

2-Hexanone

Concen: 335.028 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. -0.000 min

Lab File: VX047822.D

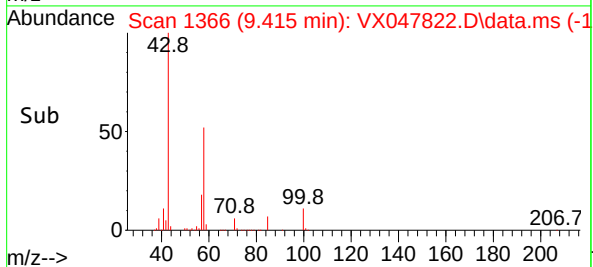
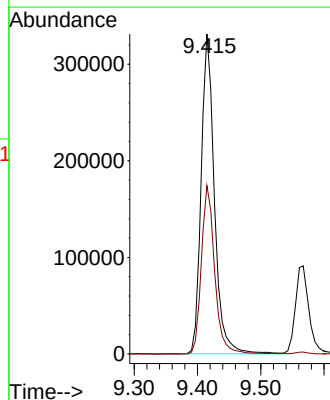
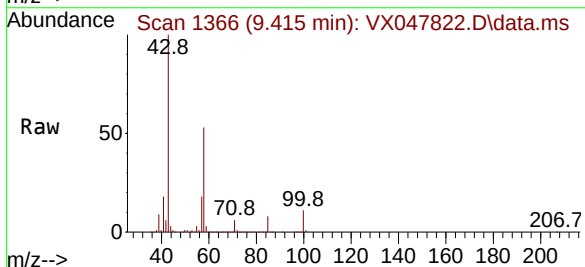
Acq: 25 Sep 2025 18:48

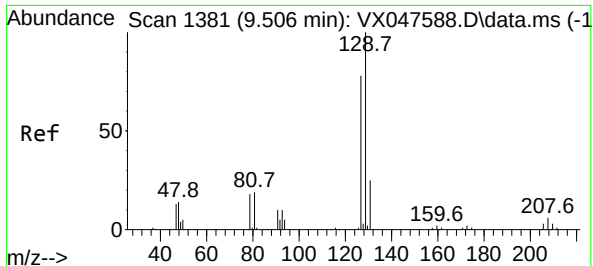
Tgt Ion: 43 Resp: 483745

Ion Ratio Lower Upper

43 100

58 52.9 26.1 78.2





#60

Dibromochloromethane

Concen: 43.991 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion:129 Resp: 75519

Ion Ratio Lower Upper

129 100

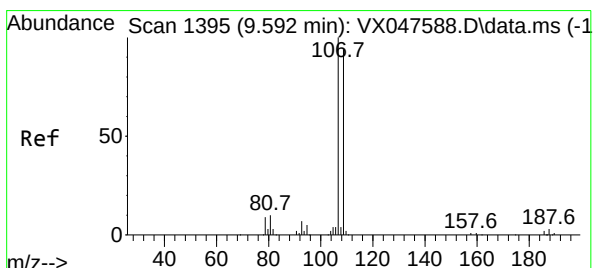
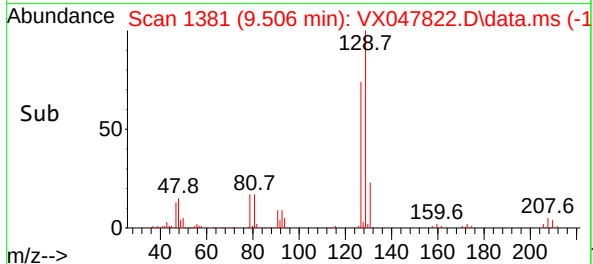
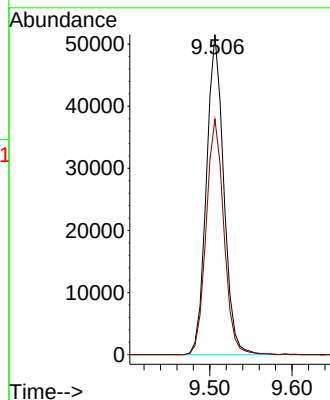
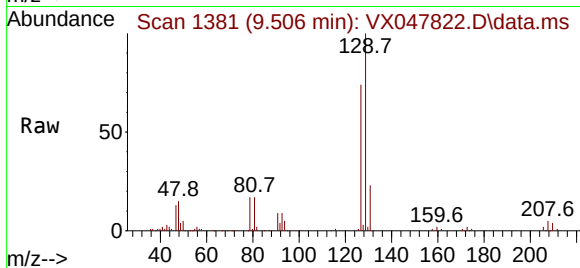
127 75.2 38.4 115.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#61

1,2-Dibromoethane

Concen: 63.414 ug/l

RT: 9.592 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VX047822.D

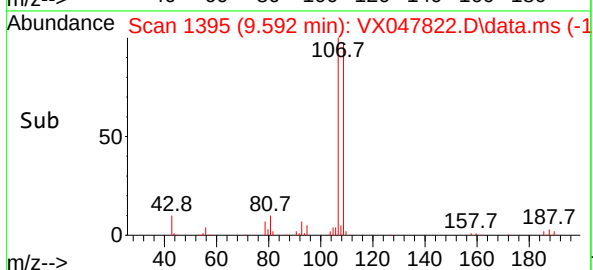
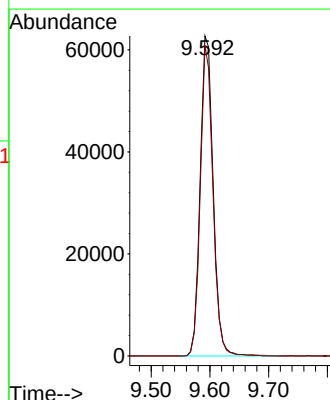
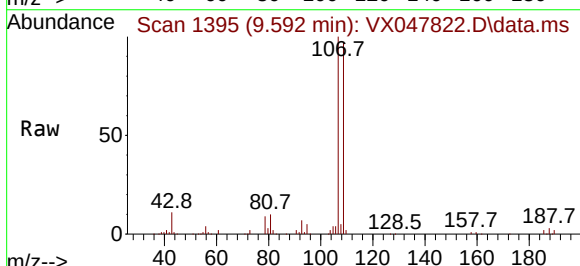
Acq: 25 Sep 2025 18:48

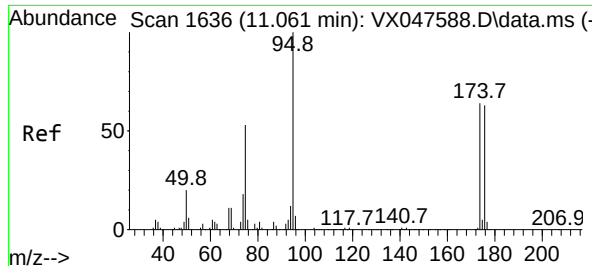
Tgt Ion:107 Resp: 96234

Ion Ratio Lower Upper

107 100

109 94.2 75.3 112.9





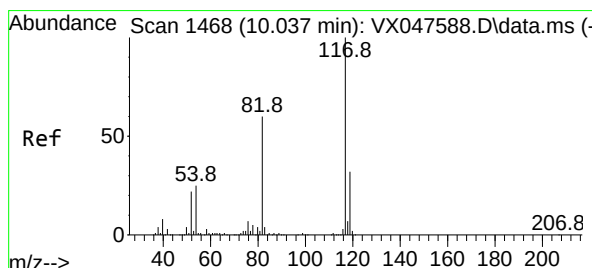
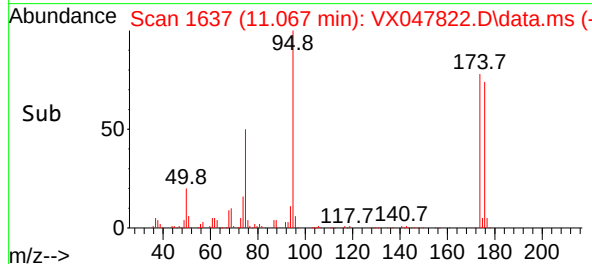
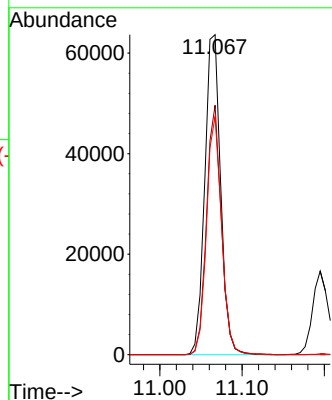
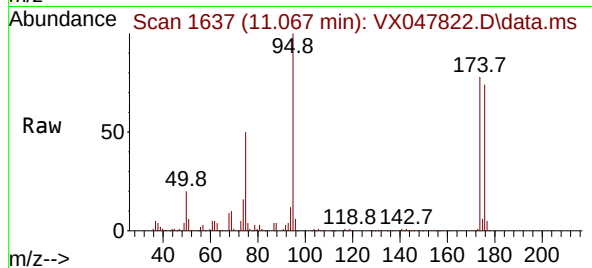
#62
4-Bromofluorobenzene
Concen: 45.957 ug/l
RT: 11.067 min Scan# 11067
Delta R.T. 0.006 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

Tgt Ion: 95 Resp: 8528
Ion Ratio Lower Upper
95 100
174 73.2 0.0 141.6
176 70.7 0.0 138.4

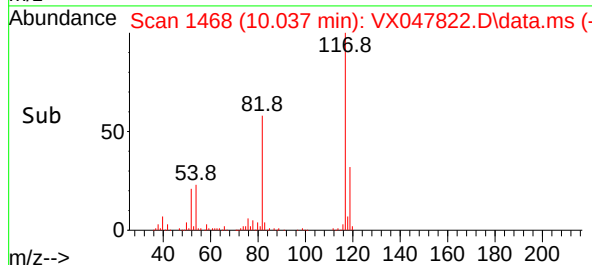
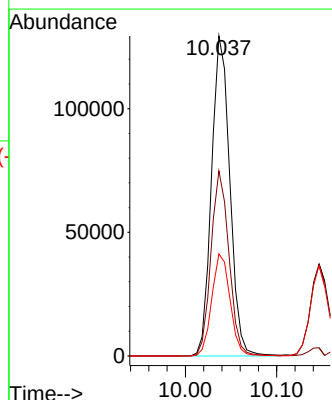
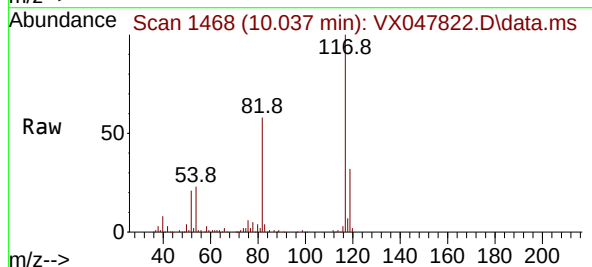
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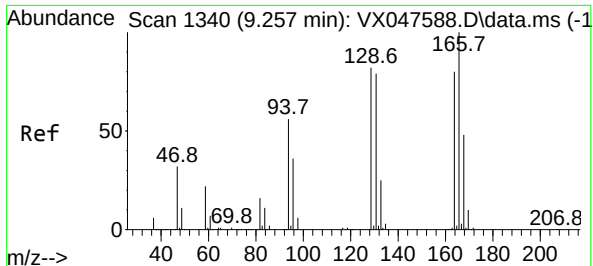
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion:117 Resp: 179962
Ion Ratio Lower Upper
117 100
82 57.8 47.8 71.6
119 31.9 25.2 37.8





#64

Tetrachloroethene

Concen: 49.669 ug/l

RT: 9.262 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion:164 Resp: 58270

Ion Ratio Lower Upper

164 100

166 118.6 100.2 150.2

129 92.1 81.8 122.6

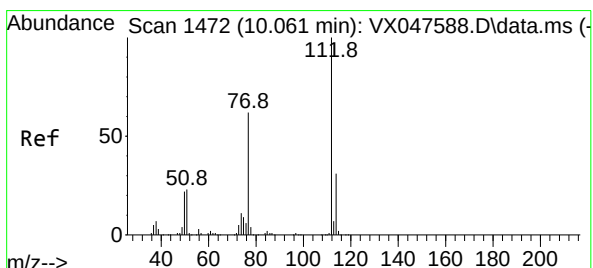
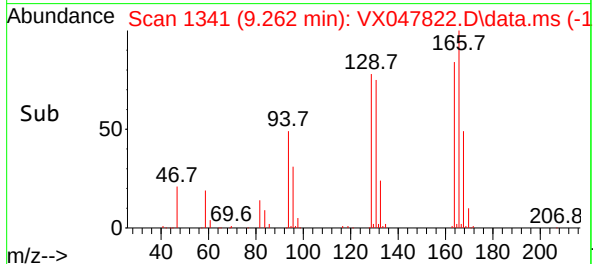
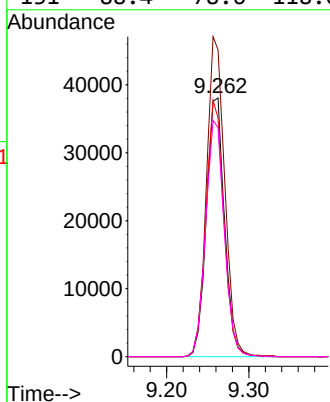
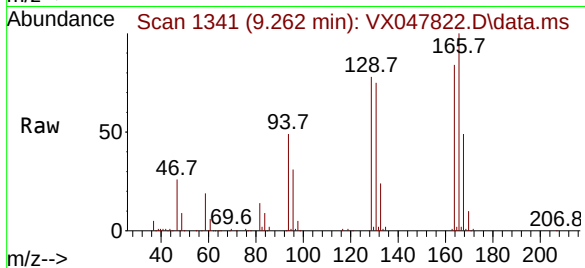
131 88.4 78.6 118.0

Manual Integrations

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Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#65

Chlorobenzene

Concen: 53.949 ug/l

RT: 10.061 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VX047822.D

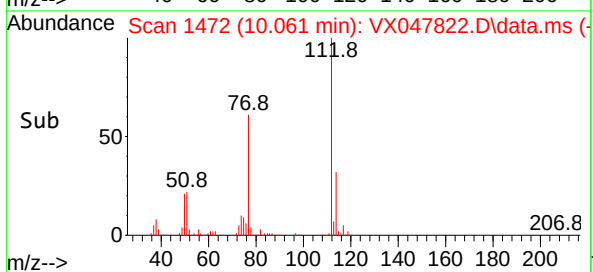
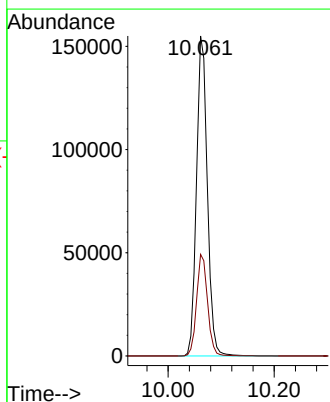
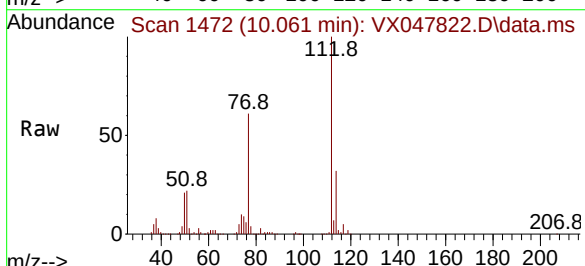
Acq: 25 Sep 2025 18:48

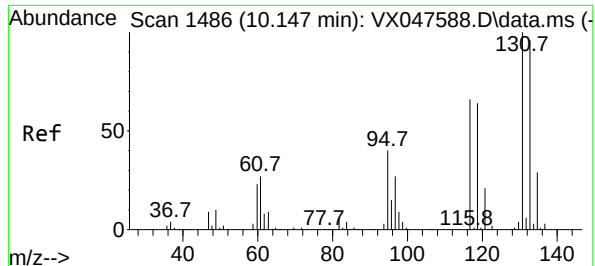
Tgt Ion:112 Resp: 220566

Ion Ratio Lower Upper

112 100

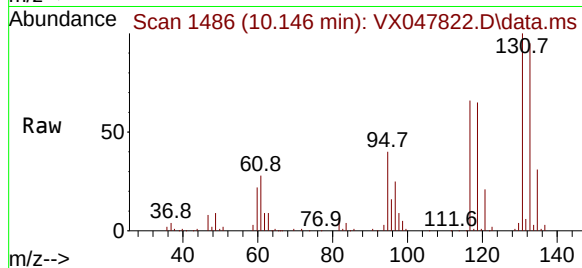
114 31.8 25.1 37.7





#66
1,1,1,2-Tetrachloroethane
Concen: 54.634 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

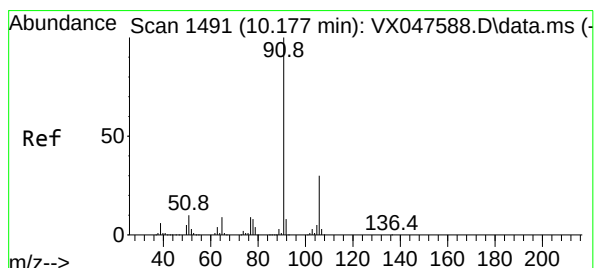
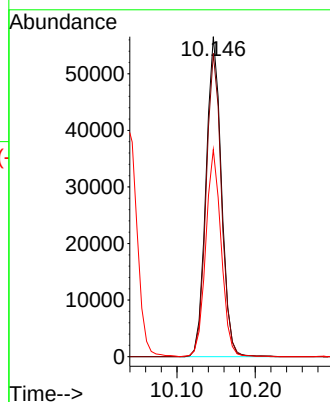
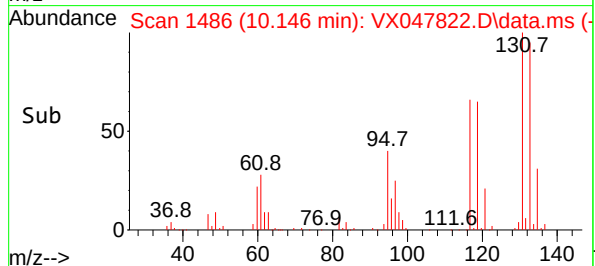
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD



Tgt Ion:131 Resp: 7707
Ion Ratio Lower Upper
131 100
133 94.6 47.3 142.0
119 64.9 32.0 96.0

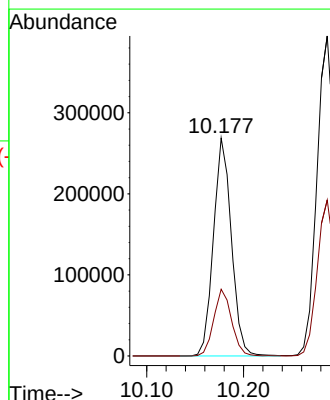
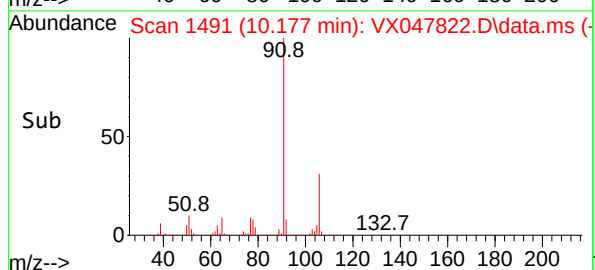
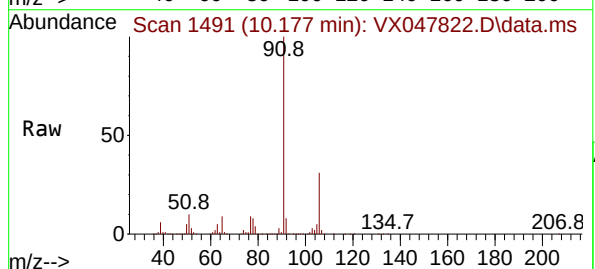
Manual Integrations
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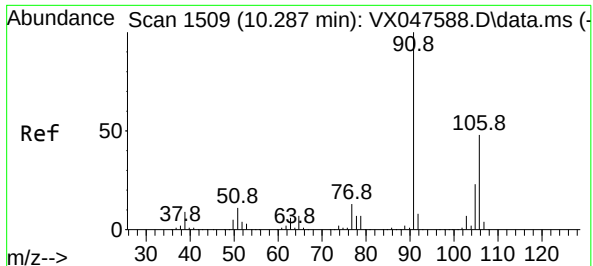
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#67
Ethyl Benzene
Concen: 49.035 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 91 Resp: 345906
Ion Ratio Lower Upper
91 100
106 30.6 24.3 36.5





#68

m/p-Xylenes

Concen: 97.456 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion:106 Resp: 25588

Ion Ratio Lower Upper

106 100

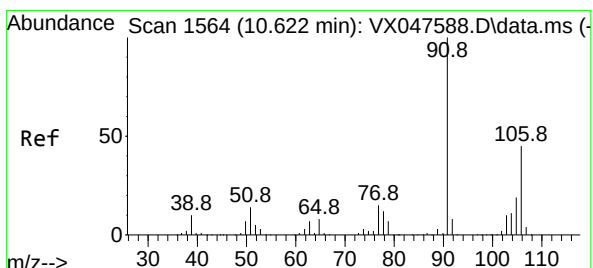
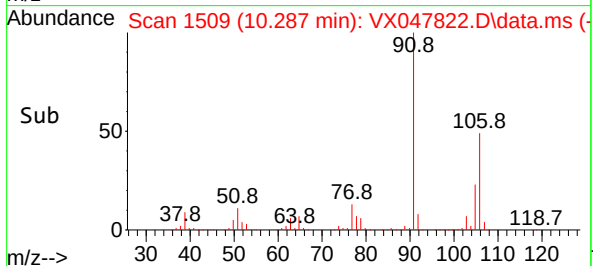
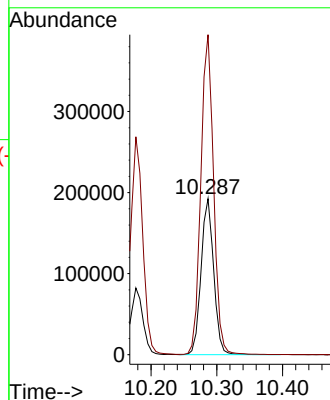
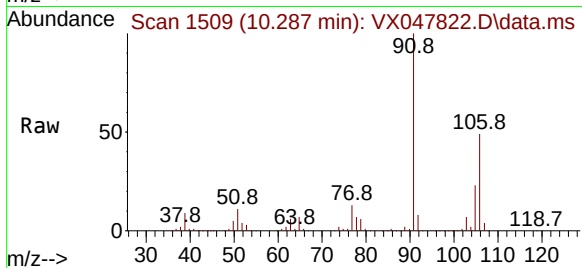
91 207.8 167.8 251.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#69

o-Xylene

Concen: 51.654 ug/l

RT: 10.628 min Scan# 1565

Delta R.T. 0.006 min

Lab File: VX047822.D

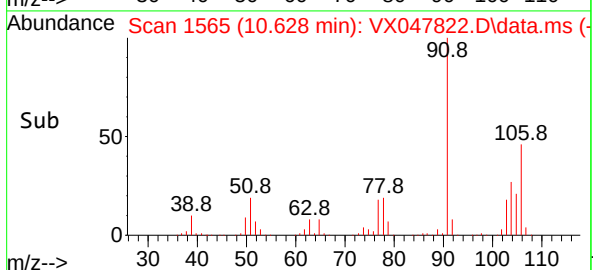
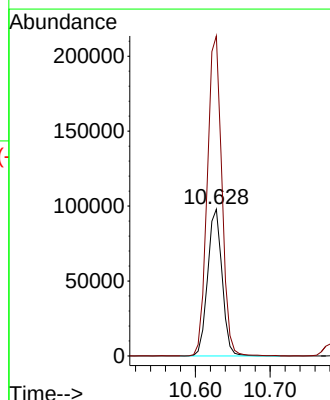
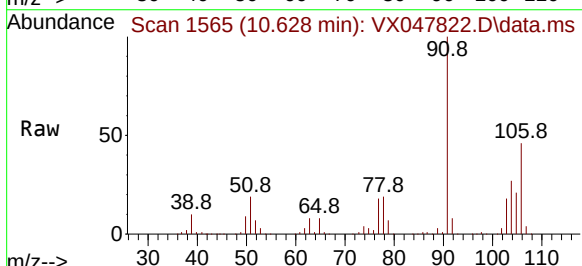
Acq: 25 Sep 2025 18:48

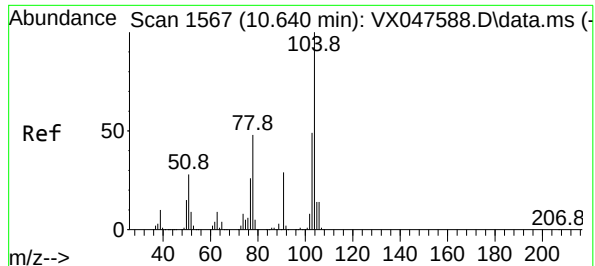
Tgt Ion:106 Resp: 131180

Ion Ratio Lower Upper

106 100

91 220.3 111.1 333.4





#70

Styrene

Concen: 42.287 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

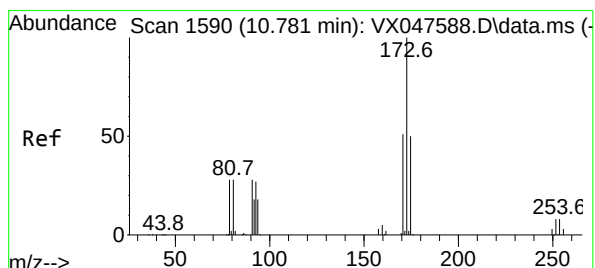
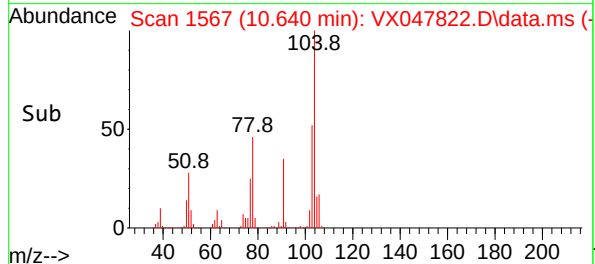
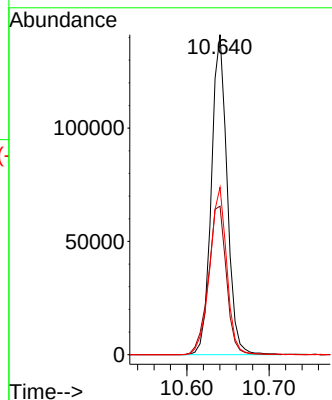
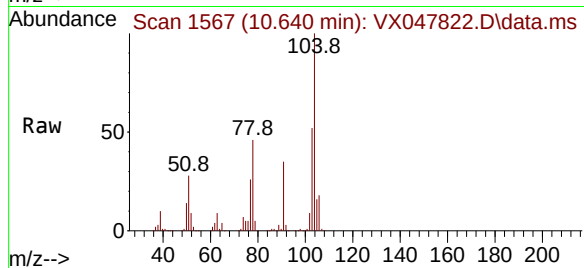
BP-VPB-184-GW-320-322MSD

Tgt Ion:	104	Resp:	18817
Ion Ratio	Lower	Upper	
104	100		
78	53.4	43.1	64.7
103	56.5	43.1	64.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#71

Bromoform

Concen: 43.147 ug/l

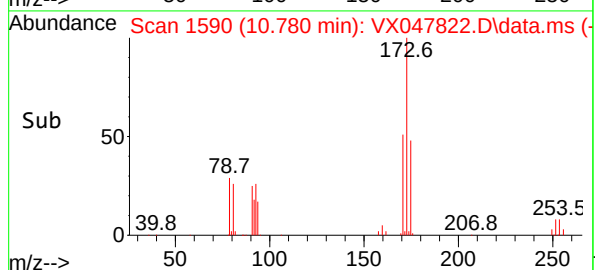
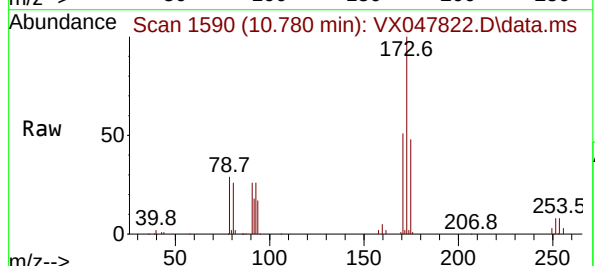
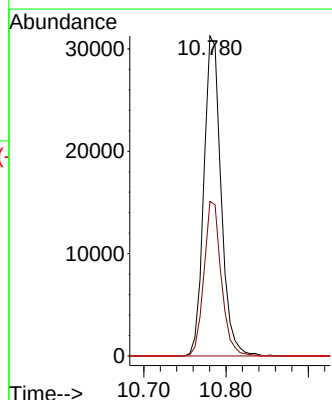
RT: 10.780 min Scan# 1590

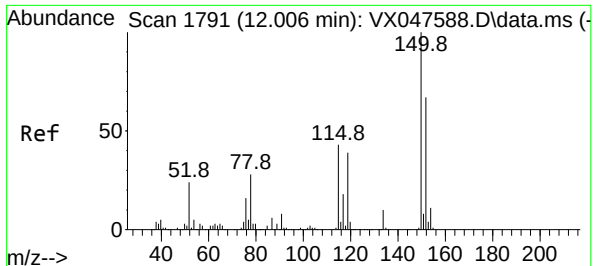
Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Tgt Ion:	173	Resp:	45452
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.9	74.6
254	0.0	0.1	0.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

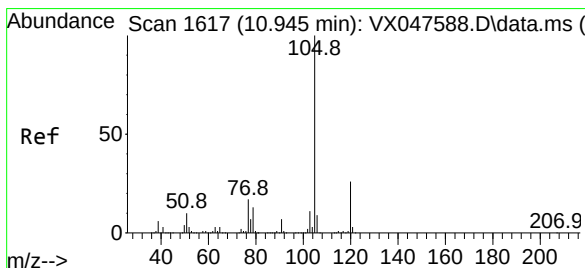
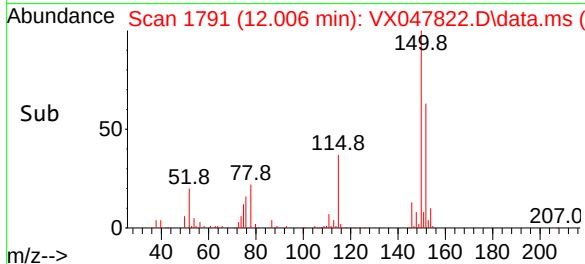
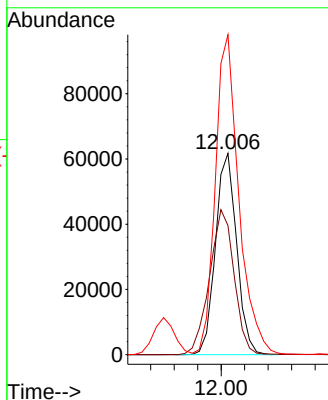
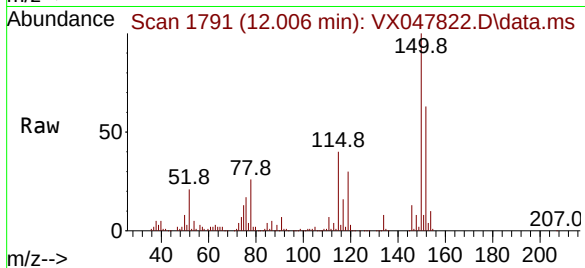
Tgt Ion:	152	Resp:	77374
Ion	Ratio	Lower	Upper
152	100		
115	84.0	44.9	134.5
150	176.1	0.0	352.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#73

Isopropylbenzene

Concen: 50.179 ug/l

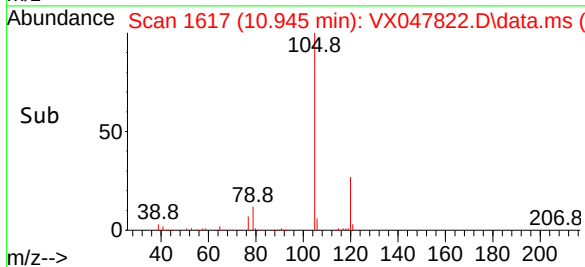
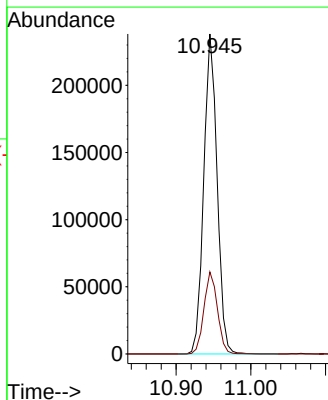
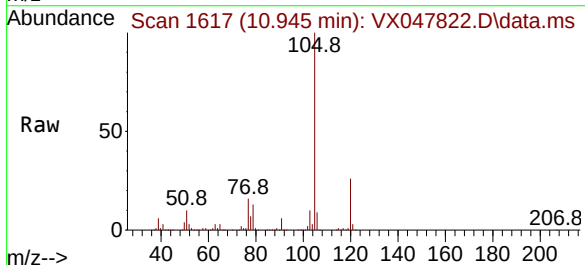
RT: 10.945 min Scan# 1617

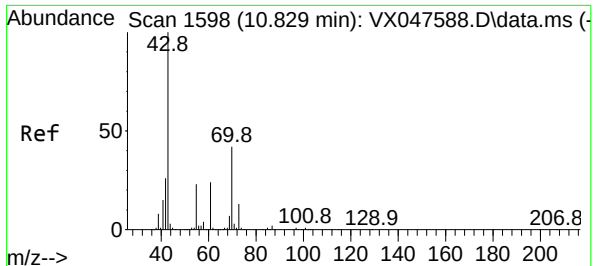
Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

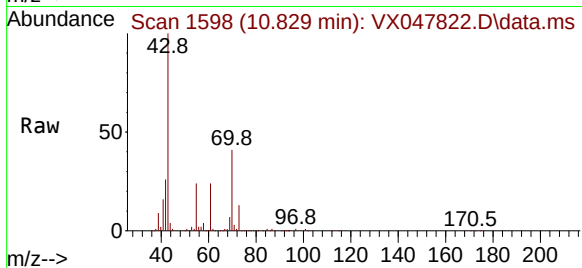
Tgt Ion:	105	Resp:	295176
Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4





#74
N-amy1 acetate
Concen: 52.322 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

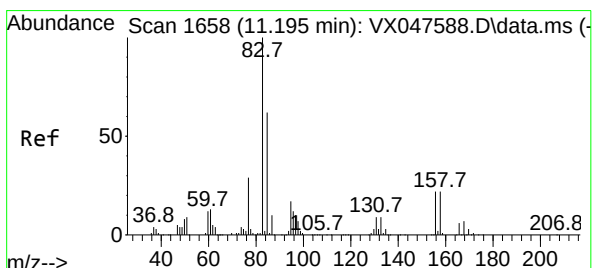
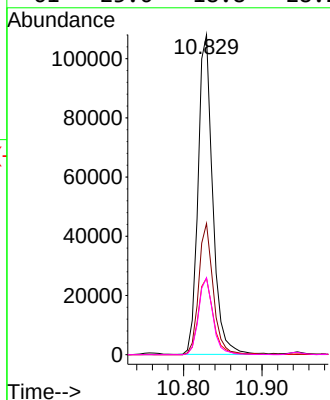
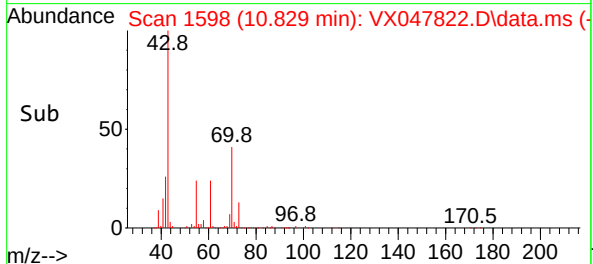
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD



Tgt Ion: 43 Resp: 14035
Ion Ratio Lower Upper
43 100
70 40.7 32.0 48.0
55 24.9 18.9 28.3
61 23.6 18.8 28.2

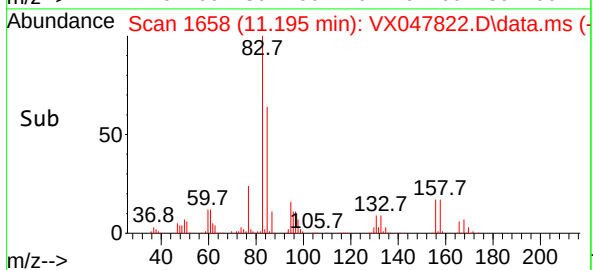
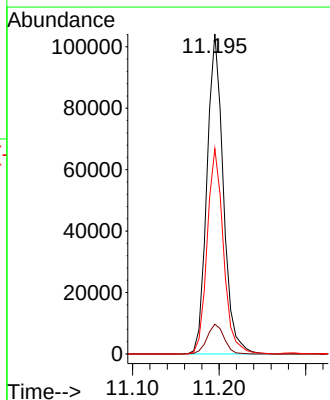
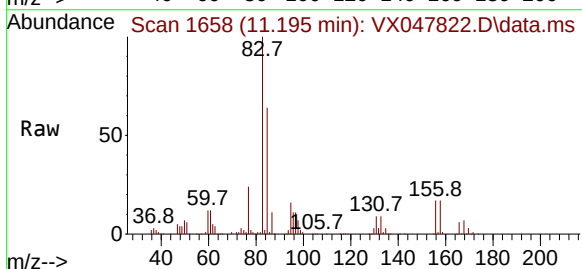
Manual Integrations
APPROVED

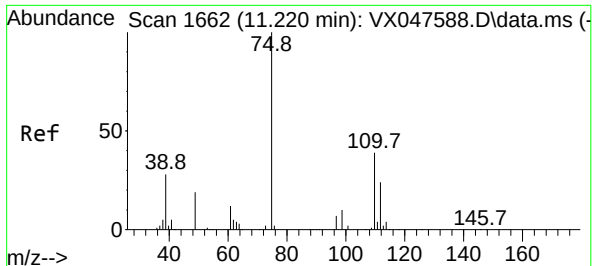
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025



#75
1,1,2,2-Tetrachloroethane
Concen: 76.623 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 83 Resp: 136370
Ion Ratio Lower Upper
83 100
131 9.7 5.0 14.9
85 63.9 31.6 95.0





#76

1,2,3-Trichloropropane

Concen: 65.688 ug/l m

RT: 11.219 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion: 75 Resp: 102900

Ion Ratio Lower Upper

75 100

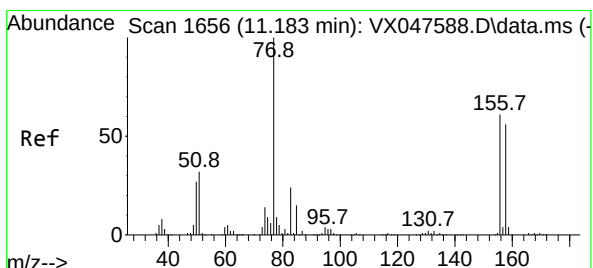
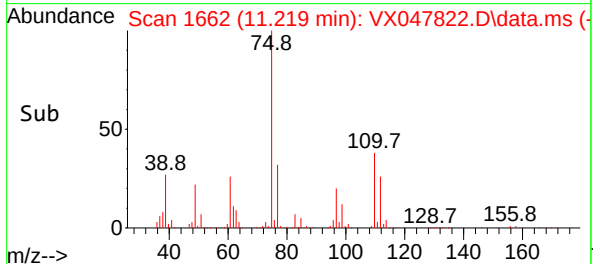
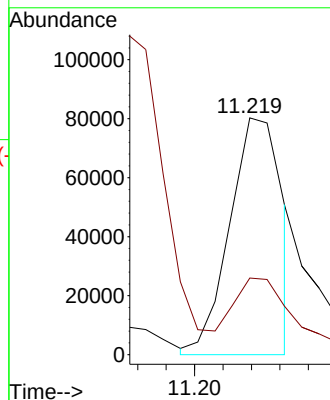
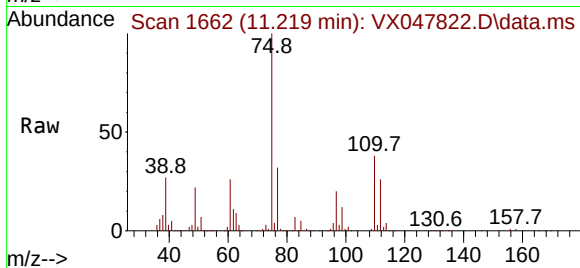
77 38.2 18.8 56.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#77

Bromobenzene

Concen: 58.645 ug/l

RT: 11.183 min Scan# 1656

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

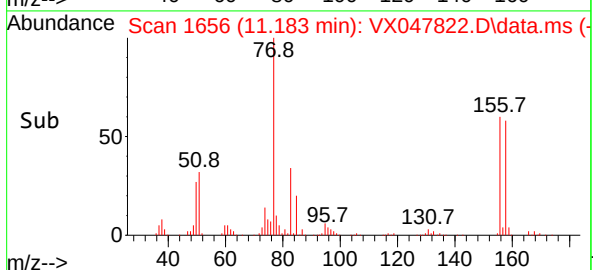
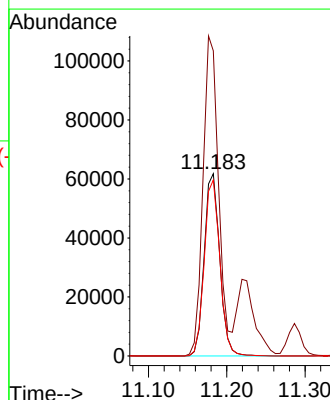
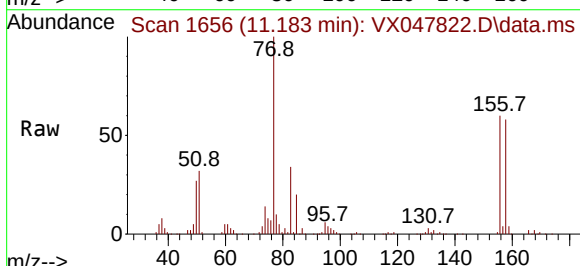
Tgt Ion:156 Resp: 84966

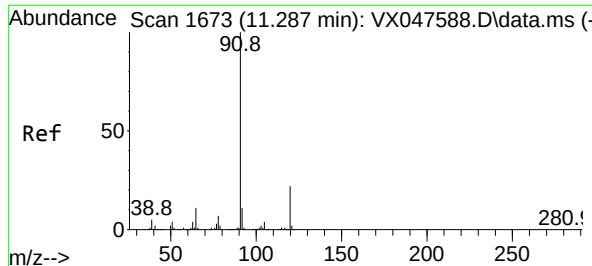
Ion Ratio Lower Upper

156 100

77 176.8 89.7 269.1

158 97.2 47.9 143.6





#78

n-propylbenzene

Concen: 47.216 ug/l

RT: 11.286 min Scan# 1673

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion: 91 Resp: 32833

Ion Ratio Lower Upper

91 100

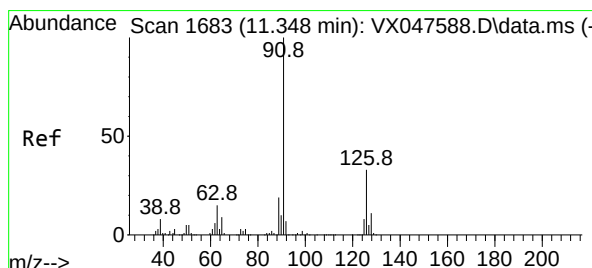
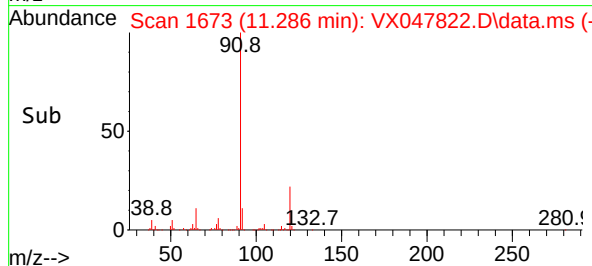
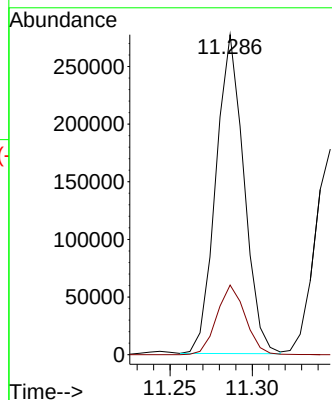
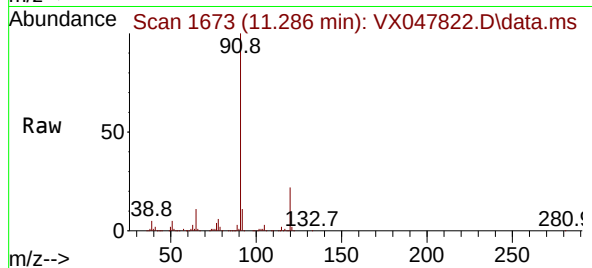
120 22.1 11.1 33.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#79

2-Chlorotoluene

Concen: 52.139 ug/l

RT: 11.347 min Scan# 1683

Delta R.T. -0.000 min

Lab File: VX047822.D

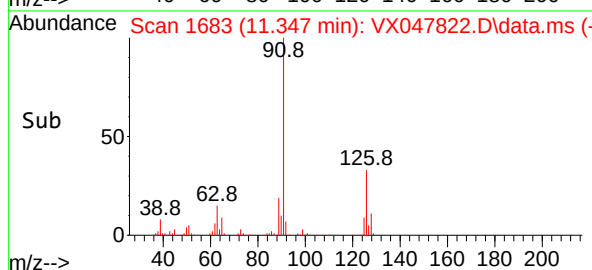
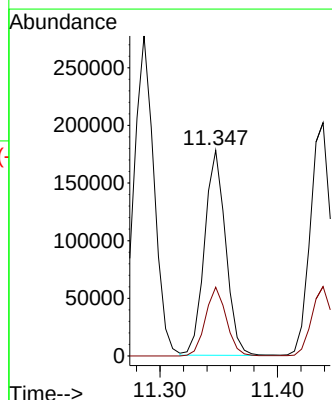
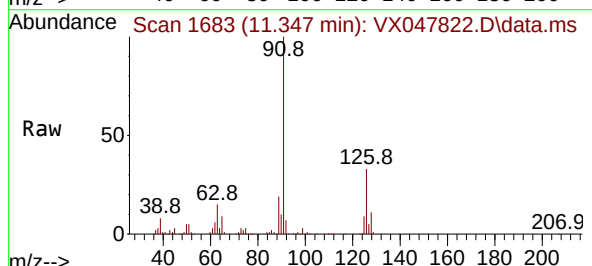
Acq: 25 Sep 2025 18:48

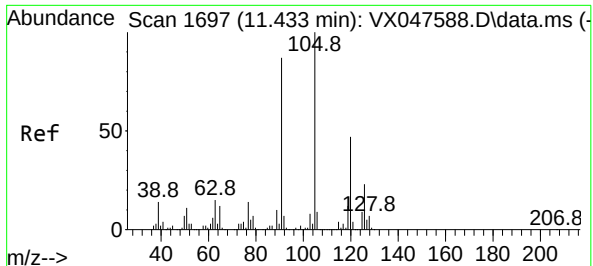
Tgt Ion: 91 Resp: 222063

Ion Ratio Lower Upper

91 100

126 33.3 16.1 48.3





#80

1,3,5-Trimethylbenzene

Concen: 49.220 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX047822.D

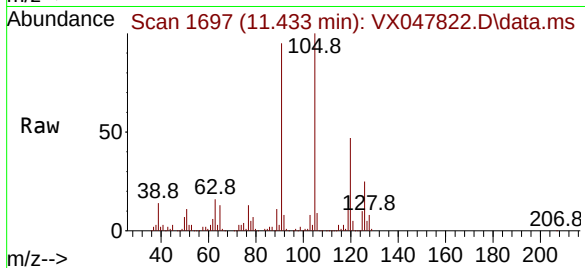
Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD



Tgt Ion:105 Resp: 237879

Ion Ratio Lower Upper

105 100

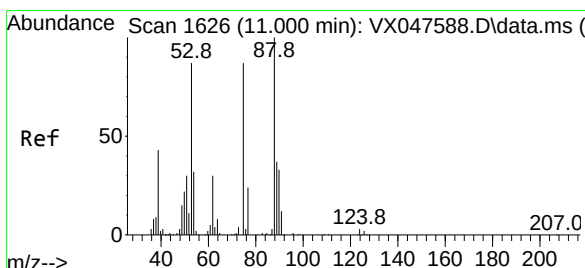
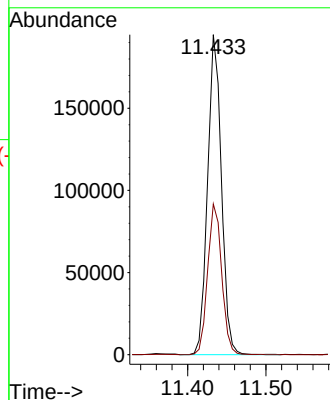
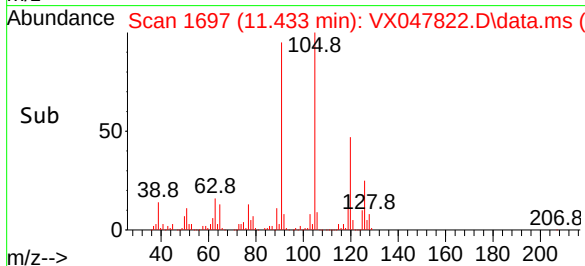
120 47.9 23.6 70.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#81

trans-1,4-Dichloro-2-butene

Concen: 33.237 ug/l

RT: 11.000 min Scan# 1626

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

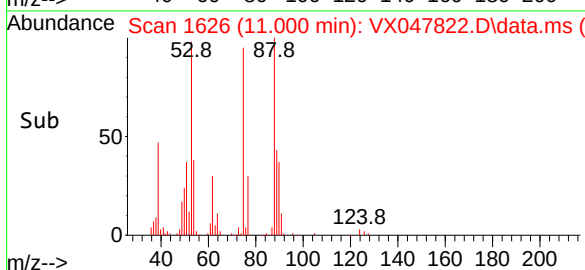
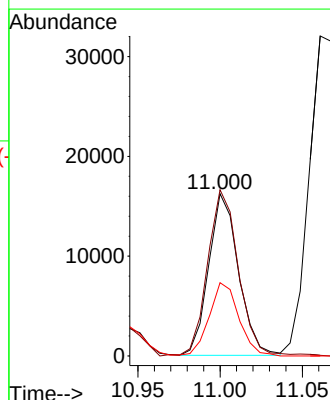
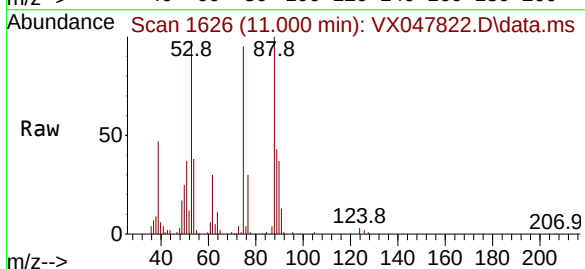
Tgt Ion: 75 Resp: 20418

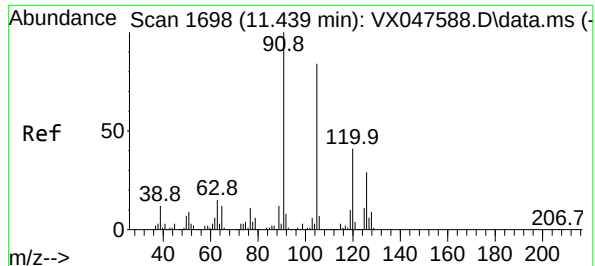
Ion Ratio Lower Upper

75 100

53 106.2 83.4 125.2

89 45.2 36.3 54.5





#82

4-Chlorotoluene

Concen: 51.147 ug/l

RT: 11.439 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion: 91 Resp: 257279

Ion Ratio Lower Upper

91 100

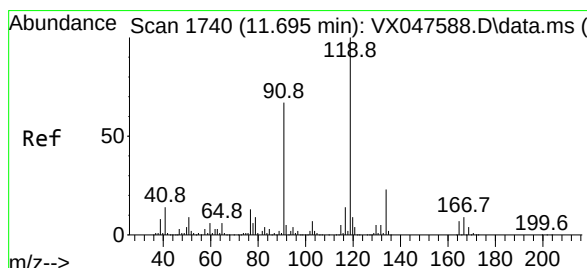
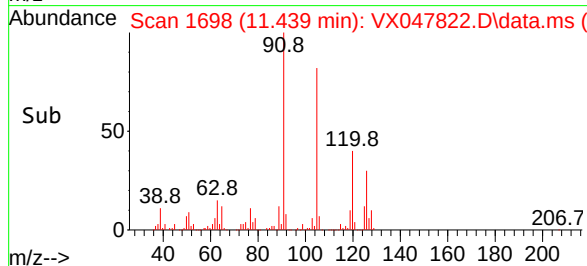
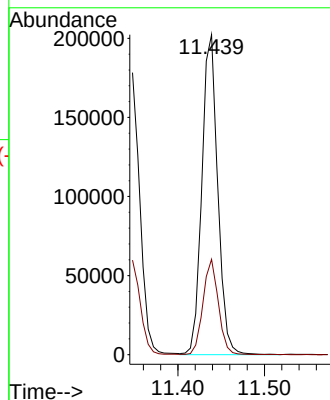
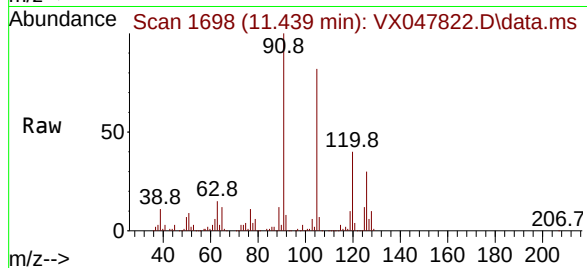
126 28.7 14.2 42.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#83

tert-Butylbenzene

Concen: 48.720 ug/l

RT: 11.695 min Scan# 1740

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

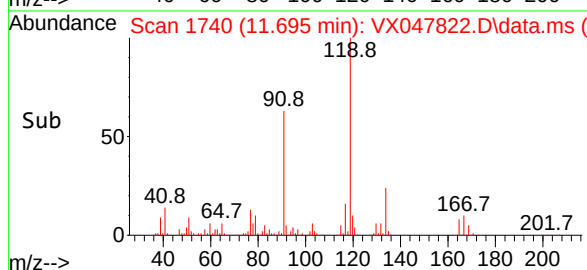
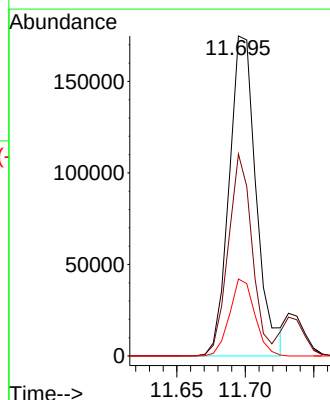
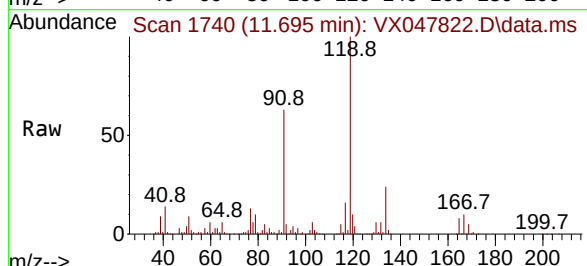
Tgt Ion:119 Resp: 241036

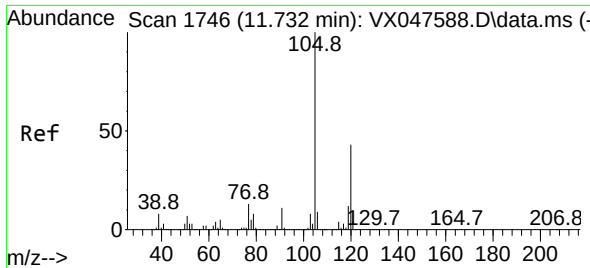
Ion Ratio Lower Upper

119 100

91 55.8 29.6 88.8

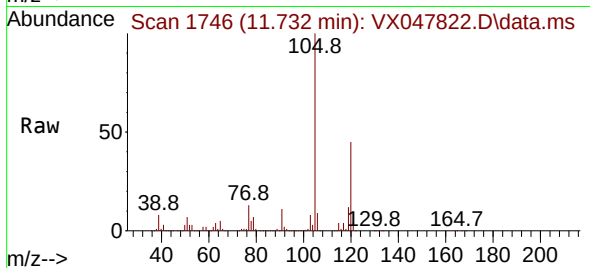
134 22.5 11.0 33.0





#84
1,2,4-Trimethylbenzene
Concen: 50.846 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

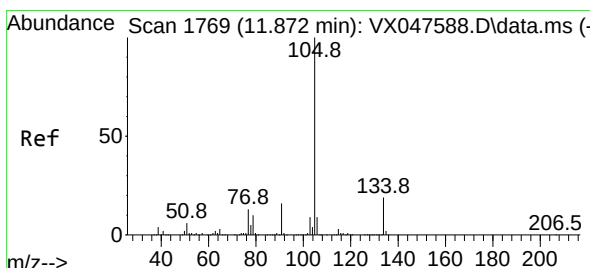
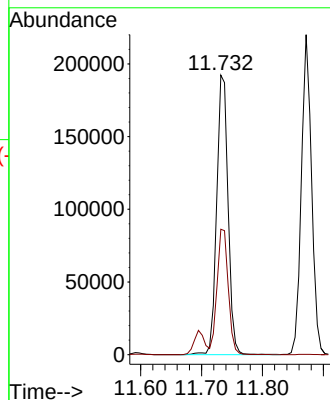
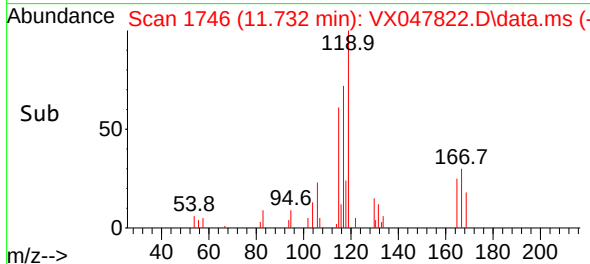
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD



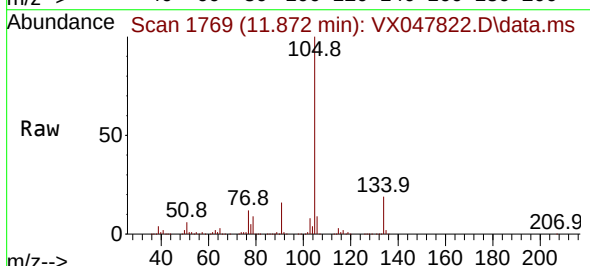
Tgt Ion:105 Resp: 24913
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.1

Manual Integrations
APPROVED

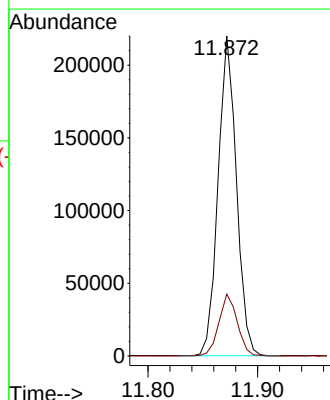
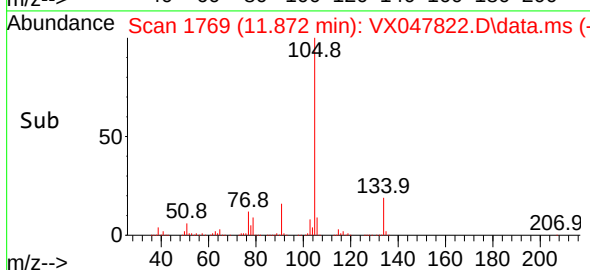
Reviewed By :John Carlone 09/26/2025
Supervised By :Mahesh Dadoda 09/29/2025

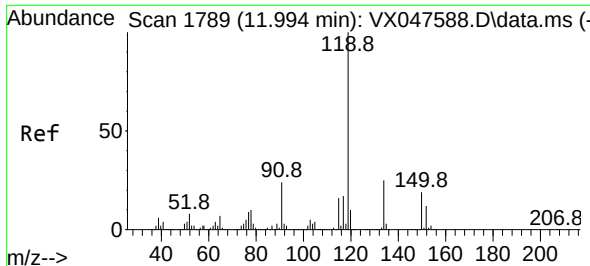


#85
sec-Butylbenzene
Concen: 43.514 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48



Tgt Ion:105 Resp: 255708
Ion Ratio Lower Upper
105 100
134 19.4 9.8 29.5





#86

p-Isopropyltoluene

Concen: 43.305 ug/l

RT: 11.994 min Scan# 1789

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

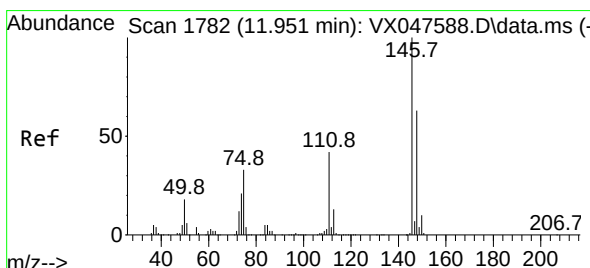
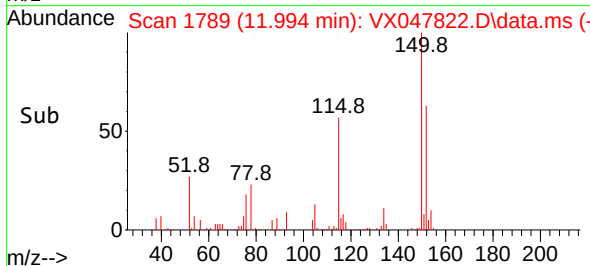
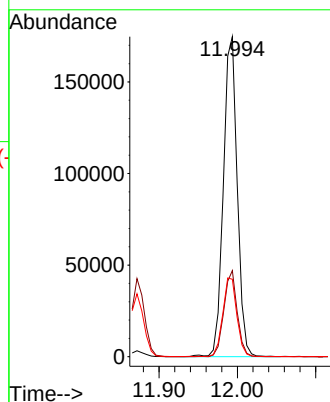
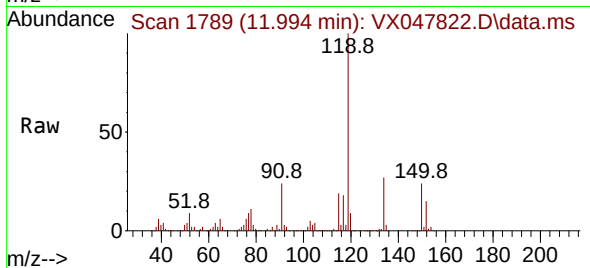
Tgt Ion:	119	Resp:	21544
Ion Ratio	Lower	Upper	
119	100		
134	25.8	12.6	37.8
91	25.0	12.6	37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#87

1,3-Dichlorobenzene

Concen: 51.144 ug/l

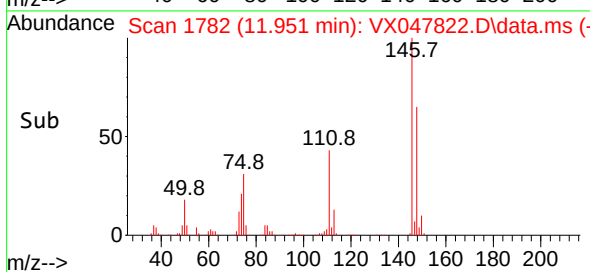
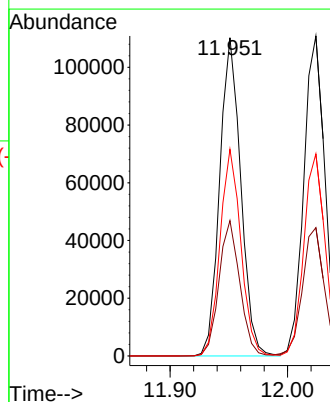
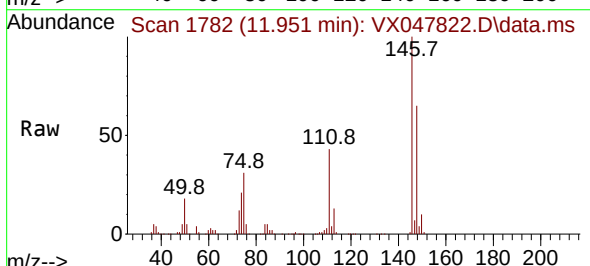
RT: 11.951 min Scan# 1782

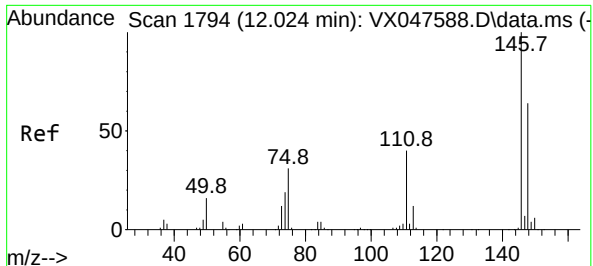
Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Tgt Ion:	146	Resp:	137631
Ion Ratio	Lower	Upper	
146	100		
111	42.2	21.5	64.5
148	64.5	32.0	96.0





#88

1,4-Dichlorobenzene

Concen: 50.819 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

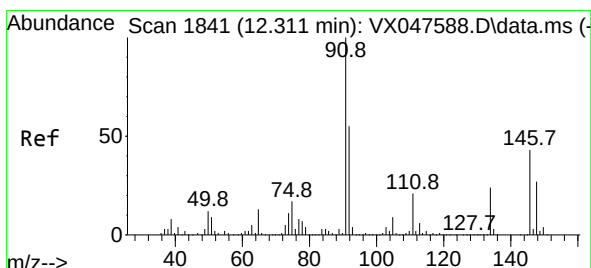
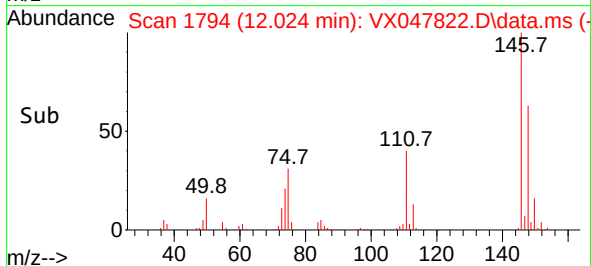
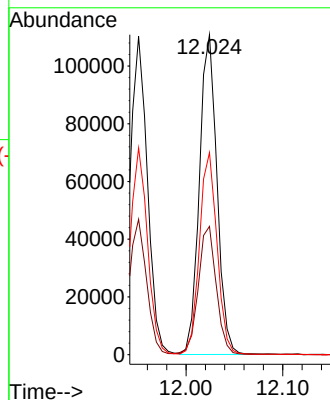
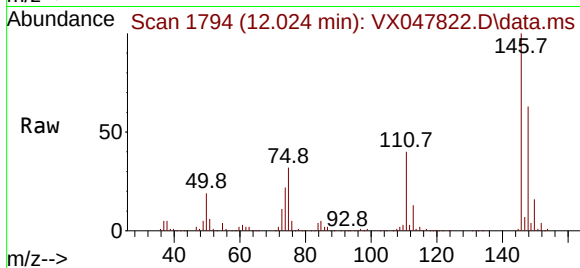
Tgt Ion:	146	Resp:	140359
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.8	62.4
148	63.6	31.7	95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#89

n-Butylbenzene

Concen: 38.126 ug/l

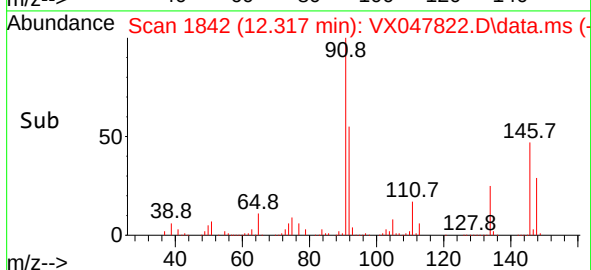
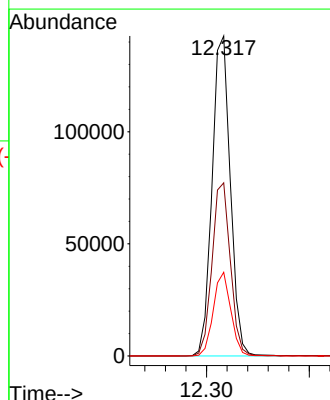
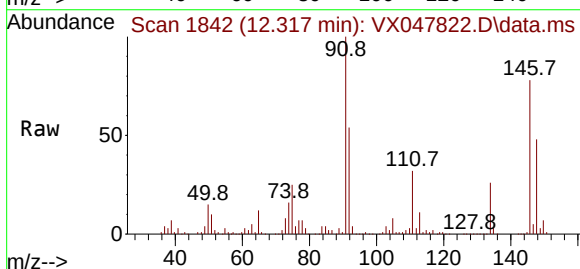
RT: 12.317 min Scan# 1842

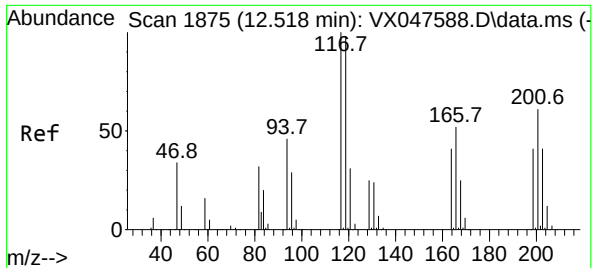
Delta R.T. 0.006 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Tgt Ion:	91	Resp:	175511
Ion Ratio	Lower	Upper	
91	100		
92	54.5	27.6	82.7
134	25.2	12.6	37.8





#90

Hexachloroethane

Concen: 39.259 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion:117 Resp: 34292

Ion Ratio Lower Upper

117 100

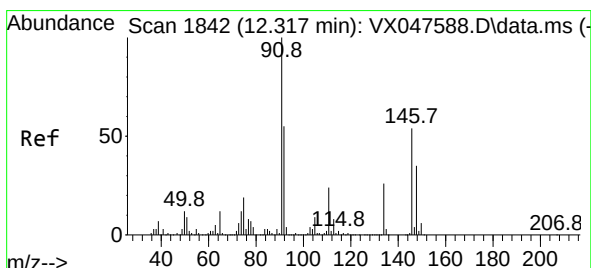
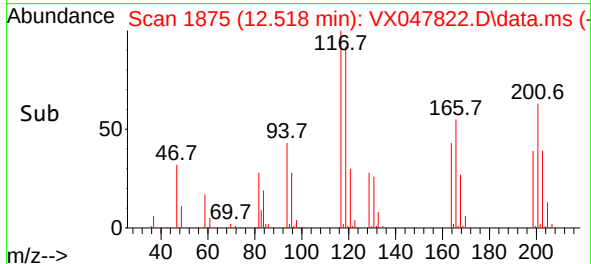
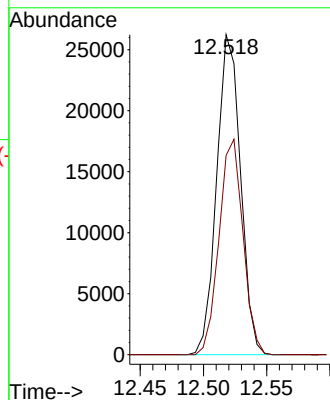
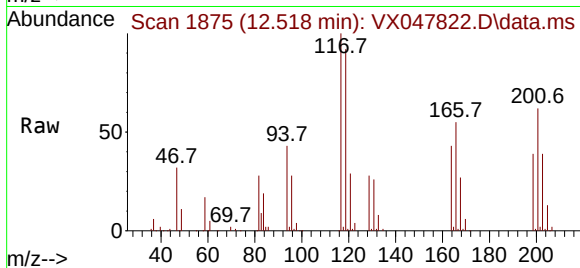
201 67.7 34.2 102.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#91

1,2-Dichlorobenzene

Concen: 55.941 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

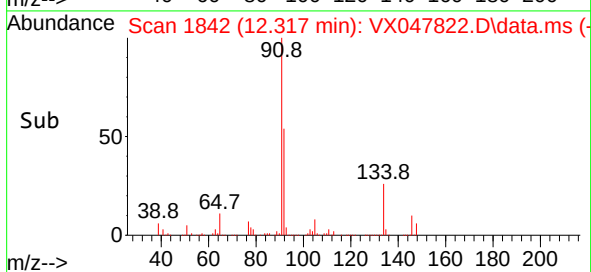
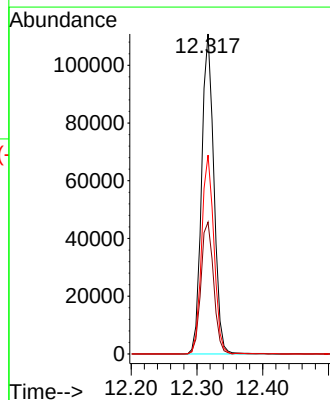
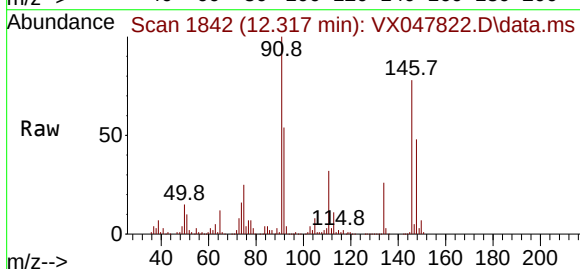
Tgt Ion:146 Resp: 143420

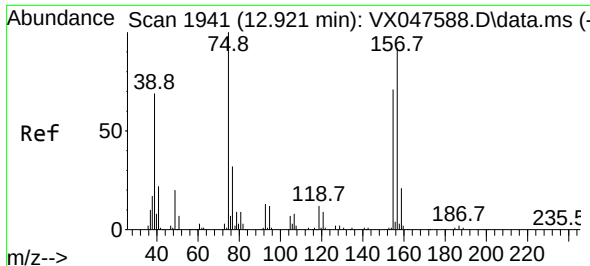
Ion Ratio Lower Upper

146 100

111 42.7 22.2 66.6

148 62.3 31.8 95.4





#92

1,2-Dibromo-3-Chloropropane

Concen: 68.682 ug/l

RT: 12.920 min Scan# 1941

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

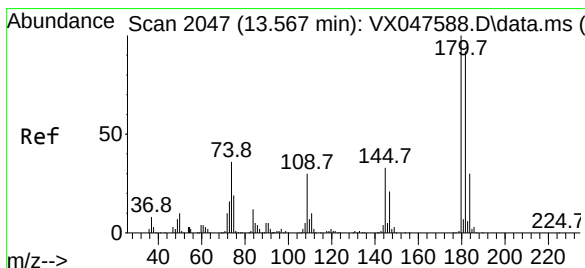
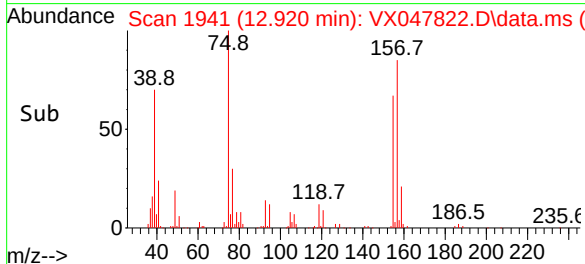
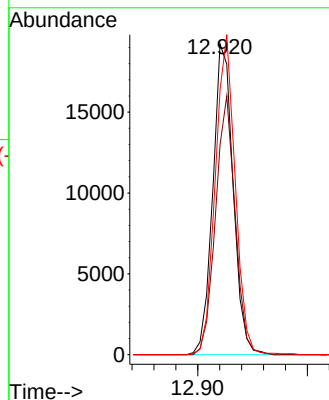
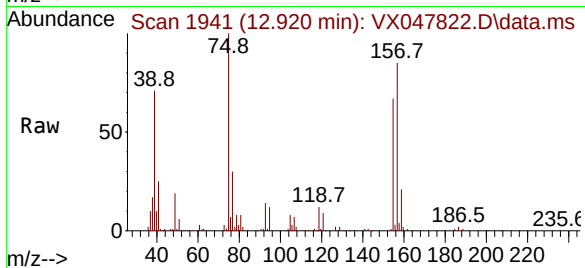
Tgt Ion:	75	Resp:	2474
Ion	Ratio	Lower	Upper
75	100		
155	80.3	37.7	113.1
157	100.9	49.8	149.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#93

1,2,4-Trichlorobenzene

Concen: 42.831 ug/l

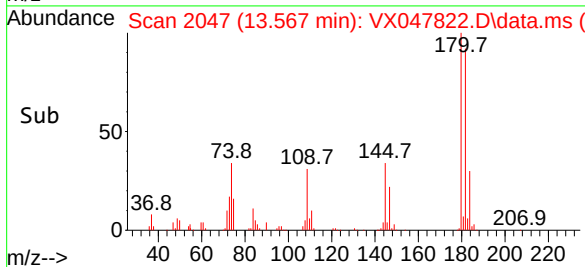
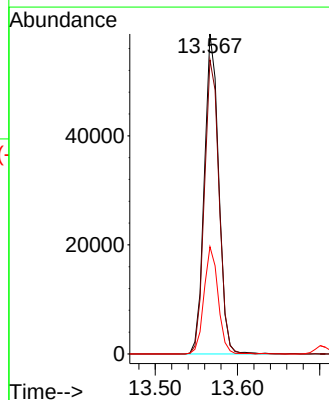
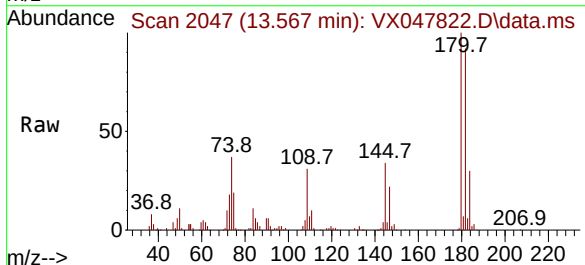
RT: 13.567 min Scan# 2047

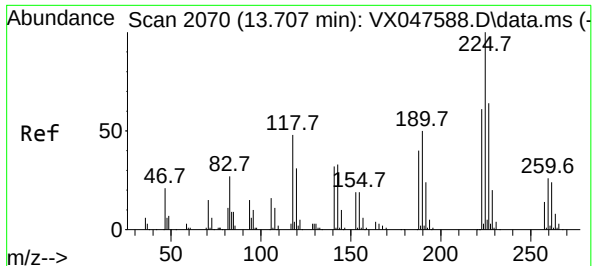
Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Tgt Ion:	180	Resp:	71365
Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.6	139.8
145	32.8	16.4	49.1





#94

Hexachlorobutadiene

Concen: 30.582 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

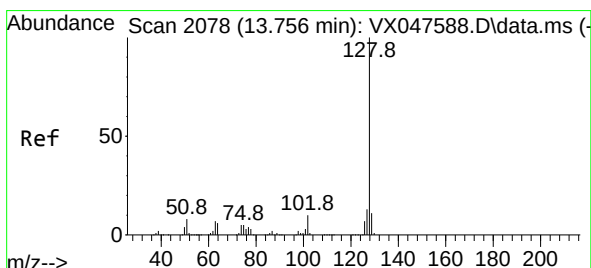
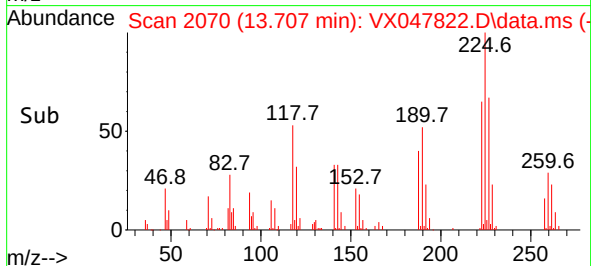
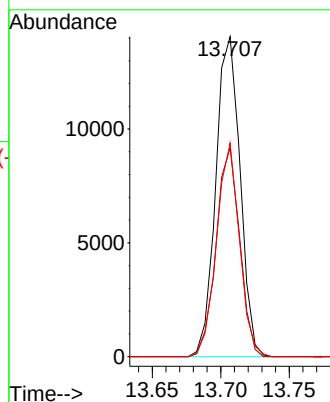
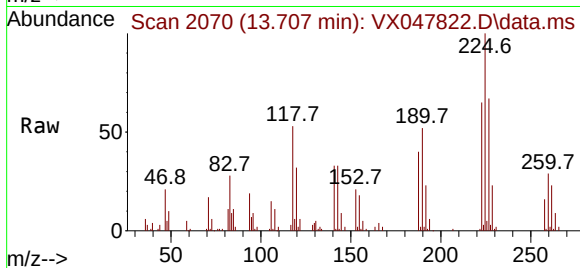
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.7	95.1
227	62.9	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



#95

Naphthalene

Concen: 57.972 ug/l

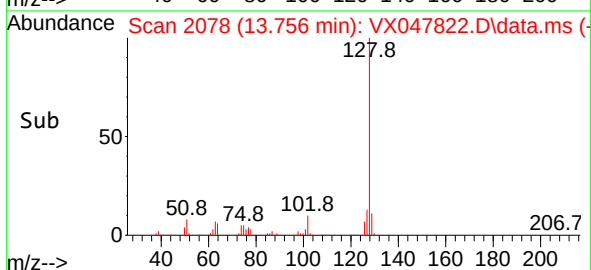
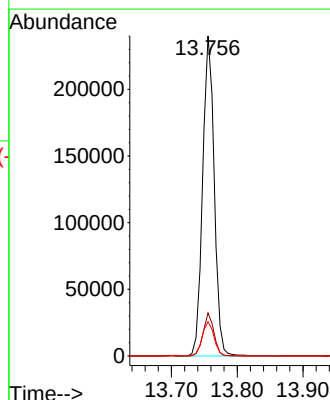
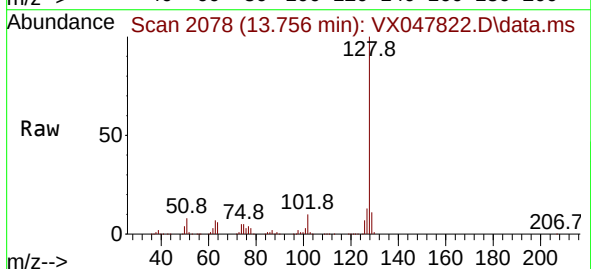
RT: 13.756 min Scan# 2078

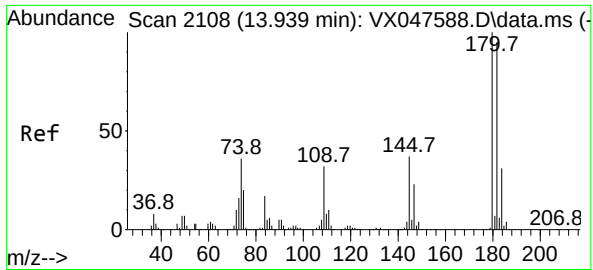
Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.8	13.2





#96

1,2,3-Trichlorobenzene

Concen: 48.300 ug/l

RT: 13.945 min Scan# 2109

Delta R.T. 0.006 min

Lab File: VX047822.D

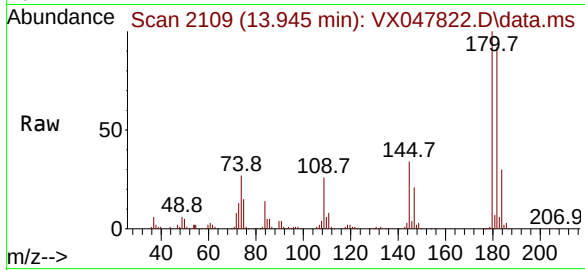
Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD



Tgt Ion:180 Resp: 74862

Ion Ratio Lower Upper

180 100

182 93.6 47.6 142.8

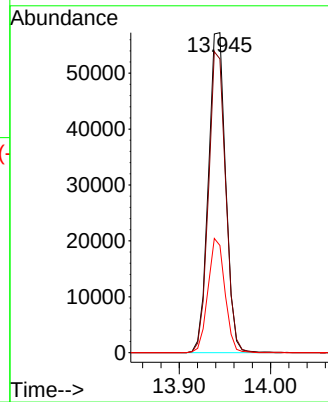
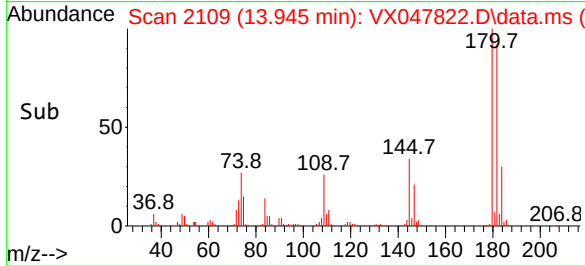
145 35.0 17.9 53.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/26/2025

Supervised By :Mahesh Dadoda 09/29/2025



Manual Integration Report

Sequence:	vx091625	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047585.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC001	VX047585.D	1,4-Dichlorobenzene	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC001	VX047585.D	1,4-Dioxane	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC005	VX047586.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:50 AM	MMDadoda	9/18/2025 3:22:12 PM	Peak Integrated by Software
VSTDICC020	VX047587.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:57 AM	MMDadoda	9/18/2025 3:22:15 PM	Peak Integrated by Software
VSTDICCC050	VX047588.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:01 AM	MMDadoda	9/18/2025 3:22:17 PM	Peak Integrated by Software
VSTDICC100	VX047589.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:06 AM	MMDadoda	9/18/2025 3:22:20 PM	Peak Integrated by Software
VSTDICC150	VX047590.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:11 AM	MMDadoda	9/18/2025 3:22:24 PM	Peak Integrated by Software
VSTDICV050	VX047592.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:15 AM	MMDadoda	9/18/2025 3:22:26 PM	Peak Integrated by Software
VSTDCCC050	VX047599.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:34 AM	MMDadoda	9/18/2025 3:22:31 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX092525	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047795.D	1,2,3-Trichloropropane	JOHN	9/26/2025 9:30:06 AM	MMdadoda	9/29/2025 12:59:44 AM	Peak Integrated by Software
VX0925WBS01	VX047798.D	1,2,3-Trichloropropane	JOHN	9/26/2025 9:30:10 AM	MMdadoda	9/29/2025 12:59:49 AM	Peak Integrated by Software
Q3165-09MS	VX047821.D	1,2,3-Trichloropropane	JOHN	9/26/2025 9:30:38 AM	MMdadoda	9/29/2025 1:00:00 AM	Peak Integrated by Software
Q3165-10MSD	VX047822.D	1,2,3-Trichloropropane	JOHN	9/26/2025 9:30:43 AM	MMdadoda	9/29/2025 1:00:06 AM	Peak Integrated by Software
VSTDCCC050	VX047823.D	1,2,3-Trichloropropane	JOHN	9/26/2025 9:30:48 AM	MMdadoda	9/29/2025 1:00:10 AM	Peak Integrated by Software
VSTDCCC050	VX047825.D	1,2,3-Trichloropropane	JOHN	9/26/2025 9:30:56 AM	MMdadoda	9/29/2025 1:00:15 AM	Peak Integrated by Software
VSTDCCC050	VX047846.D	1,2,3-Trichloropropane	sam	9/29/2025 1:10:51 AM	MMdadoda	9/29/2025 1:11:42 AM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX091625

Review By	John Carlone	Review On	9/17/2025 8:27:00 AM
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:22:52 PM
SubDirectory	VX091625	HP Acquire Method	HP Processing Method 82X091625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135487		
Initial Calibration Stds	VP135489,VP135490,VP135491,VP135492,VP135493,VP135494		
CCC	VP135488		
Internal Standard/PEM			
ICV/I.BLK	VP135495		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047584.D	16 Sep 2025 08:56	JC/MD	Ok
2	VSTDIC001	VX047585.D	16 Sep 2025 09:23	JC/MD	Ok,M
3	VSTDIC005	VX047586.D	16 Sep 2025 10:16	JC/MD	Ok,M
4	VSTDIC020	VX047587.D	16 Sep 2025 10:37	JC/MD	Ok,M
5	VSTDIC050	VX047588.D	16 Sep 2025 10:58	JC/MD	Ok,M
6	VSTDIC100	VX047589.D	16 Sep 2025 11:40	JC/MD	Ok,M
7	VSTDIC150	VX047590.D	16 Sep 2025 12:01	JC/MD	Ok,M
8	IBLK	VX047591.D	16 Sep 2025 12:22	JC/MD	Ok
9	VSTDICV050	VX047592.D	16 Sep 2025 13:35	JC/MD	Ok,M
10	VX0916MBL01	VX047593.D	16 Sep 2025 14:03	JC/MD	Ok
11	VX0916WBL01	VX047594.D	16 Sep 2025 14:53	JC/MD	Ok
12	VX0916WBS01	VX047595.D	16 Sep 2025 15:21	JC/MD	Ok,M
13	VX0916WBSD01	VX047596.D	16 Sep 2025 15:46	JC/MD	Ok,M
14	Q3015-01	VX047597.D	16 Sep 2025 16:07	JC/MD	Ok,M
15	VIBLK	VX047598.D	16 Sep 2025 16:30	JC/MD	Ok
16	VSTDIC050	VX047599.D	16 Sep 2025 16:51	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX092525

Review By	Semsettin Yesilyurt	Review On	9/29/2025 1:10:31 AM
Supervise By	Maresh Dadoda	Supervise On	9/29/2025 1:11:53 AM
SubDirectory	VX092525	HP Acquire Method	HP Processing Method 82X091625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135628,VP135646		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135629,VP135630,VP135647,VP135648		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047794.D	25 Sep 2025 08:24	JC/MD	Ok
2	VSTDCCC050	VX047795.D	25 Sep 2025 08:56	JC/MD	Ok,M
3	VX0925MBL01	VX047796.D	25 Sep 2025 09:25	JC/MD	Ok
4	VX0925WBL01	VX047797.D	25 Sep 2025 09:46	JC/MD	Ok
5	VX0925WBS01	VX047798.D	25 Sep 2025 10:13	JC/MD	Ok,M
6	VX0925WBSD01	VX047799.D	25 Sep 2025 10:42	JC/MD	Ok,M
7	Q3165-02	VX047800.D	25 Sep 2025 11:03	JC/MD	Ok
8	Q3165-01	VX047801.D	25 Sep 2025 11:24	JC/MD	Ok
9	Q3165-03	VX047802.D	25 Sep 2025 11:46	JC/MD	Ok
10	Q3165-04	VX047803.D	25 Sep 2025 12:07	JC/MD	Ok
11	Q3165-05	VX047804.D	25 Sep 2025 12:28	JC/MD	Ok
12	Q3165-06	VX047805.D	25 Sep 2025 12:49	JC/MD	Ok
13	Q3165-07	VX047806.D	25 Sep 2025 13:10	JC/MD	Ok
14	Q3127-04DL	VX047807.D	25 Sep 2025 13:31	JC/MD	Ok
15	Q3127-17	VX047808.D	25 Sep 2025 13:53	JC/MD	Ok
16	Q3127-13	VX047809.D	25 Sep 2025 14:14	JC/MD	Ok
17	Q3128-07	VX047810.D	25 Sep 2025 14:35	JC/MD	Ok
18	Q3128-08	VX047811.D	25 Sep 2025 14:56	JC/MD	Ok
19	Q3128-09	VX047812.D	25 Sep 2025 15:17	JC/MD	Ok
20	Q3128-10	VX047813.D	25 Sep 2025 15:38	JC/MD	Ok
21	Q3128-11	VX047814.D	25 Sep 2025 15:59	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX092525

Review By	Semsettin Yesilyurt	Review On	9/29/2025 1:10:31 AM
Supervise By	Maresh Dadoda	Supervise On	9/29/2025 1:11:53 AM
SubDirectory	VX092525	HP Acquire Method	HP Processing Method 82X091625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135628,VP135646		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135629,VP135630,VP135647,VP135648		

22	Q3128-12	VX047815.D	25 Sep 2025 16:21	JC/MD	Ok
23	Q3128-13	VX047816.D	25 Sep 2025 16:42	JC/MD	Ok
24	Q3127-01	VX047817.D	25 Sep 2025 17:03	JC/MD	Ok
25	Q3127-11	VX047818.D	25 Sep 2025 17:24	JC/MD	Ok
26	Q3127-19	VX047819.D	25 Sep 2025 17:45	JC/MD	Ok
27	Q3165-08	VX047820.D	25 Sep 2025 18:06	JC/MD	Ok
28	Q3165-09MS	VX047821.D	25 Sep 2025 18:27	JC/MD	Ok,M
29	Q3165-10MSD	VX047822.D	25 Sep 2025 18:48	JC/MD	Ok,M
30	VSTDCCC050	VX047823.D	25 Sep 2025 19:09	JC/MD	Ok,M
31	BFB	VX047824.D	26 Sep 2025 00:46	JC/MD	Ok
32	VSTDCCC050	VX047825.D	26 Sep 2025 01:28	JC/MD	Ok,M
33	VX0925WBL02	VX047826.D	26 Sep 2025 02:10	JC/MD	Ok
34	VX0925WBS02	VX047827.D	26 Sep 2025 02:31	JC/MD	Ok,M
35	VX0925WBSD02	VX047828.D	26 Sep 2025 02:52	JC/MD	Not Ok
36	Q3156-02	VX047829.D	26 Sep 2025 03:31	JC/MD	Ok
37	Q3156-03	VX047830.D	26 Sep 2025 03:52	JC/MD	Dilution
38	Q3156-04	VX047831.D	26 Sep 2025 04:13	JC/MD	Dilution
39	Q3156-05	VX047832.D	26 Sep 2025 04:34	JC/MD	ReRun
40	Q3156-06	VX047833.D	26 Sep 2025 04:55	JC/MD	Dilution
41	Q3156-07	VX047834.D	26 Sep 2025 05:16	JC/MD	Ok
42	Q3156-08	VX047835.D	26 Sep 2025 05:37	JC/MD	Ok
43	Q3156-09	VX047836.D	26 Sep 2025 05:58	JC/MD	Ok
44	Q3156-11	VX047837.D	26 Sep 2025 06:19	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX092525

Review By	Semsettin Yesilyurt	Review On	9/29/2025 1:10:31 AM
Supervise By	Maresh Dadoda	Supervise On	9/29/2025 1:11:53 AM
SubDirectory	VX092525	HP Acquire Method	HP Processing Method 82X091625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135628,VP135646		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135629,VP135630,VP135647,VP135648		

45	Q3156-12	VX047838.D	26 Sep 2025 06:40	JC/MD	Ok
46	Q3128-04	VX047839.D	26 Sep 2025 07:01	JC/MD	Ok
47	Q3128-05	VX047840.D	26 Sep 2025 07:22	JC/MD	Ok
48	Q3128-06	VX047841.D	26 Sep 2025 07:43	JC/MD	Ok
49	Q3128-14	VX047842.D	26 Sep 2025 08:04	JC/MD	Ok
50	Q3128-01	VX047843.D	26 Sep 2025 08:25	JC/MD	Ok
51	Q3128-02MS	VX047844.D	26 Sep 2025 08:46	JC/MD	Ok,M
52	Q3128-03MSD	VX047845.D	26 Sep 2025 09:07	JC/MD	Ok,M
53	VSTDCCC050	VX047846.D	26 Sep 2025 09:28	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX091625

Review By	John Carlone	Review On	9/17/2025 8:27:00 AM
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:22:52 PM
SubDirectory	VX091625	HP Acquire Method	HP Processing Method 82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135487
Initial Calibration Stds	VP135489,VP135490,VP135491,VP135492,VP135493,VP135494
CCC	VP135488
Internal Standard/PEM	
ICV/I.BLK	VP135495
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047584.D	16 Sep 2025 08:56		JC/MD	Ok
2	VSTDIC001	VSTDIC001	VX047585.D	16 Sep 2025 09:23		JC/MD	Ok,M
3	VSTDIC005	VSTDIC005	VX047586.D	16 Sep 2025 10:16	QR-58	JC/MD	Ok,M
4	VSTDIC020	VSTDIC020	VX047587.D	16 Sep 2025 10:37		JC/MD	Ok,M
5	VSTDIC050	VSTDIC050	VX047588.D	16 Sep 2025 10:58		JC/MD	Ok,M
6	VSTDIC100	VSTDIC100	VX047589.D	16 Sep 2025 11:40		JC/MD	Ok,M
7	VSTDIC150	VSTDIC150	VX047590.D	16 Sep 2025 12:01		JC/MD	Ok,M
8	IBLK	IBLK	VX047591.D	16 Sep 2025 12:22		JC/MD	Ok
9	VSTDICV050	ICVVX091625	VX047592.D	16 Sep 2025 13:35		JC/MD	Ok,M
10	VX0916MBL01	VX0916MBL01	VX047593.D	16 Sep 2025 14:03		JC/MD	Ok
11	VX0916WBL01	VX0916WBL01	VX047594.D	16 Sep 2025 14:53		JC/MD	Ok
12	VX0916WBS01	VX0916WBS01	VX047595.D	16 Sep 2025 15:21		JC/MD	Ok,M
13	VX0916WBSD01	VX0916WBSD01	VX047596.D	16 Sep 2025 15:46		JC/MD	Ok,M
14	Q3015-01	WP0925-PT-VOA-WP	VX047597.D	16 Sep 2025 16:07		JC/MD	Ok,M
15	VIBLK	VIBLK	VX047598.D	16 Sep 2025 16:30		JC/MD	Ok
16	VSTDIC050	VSTDIC050EC	VX047599.D	16 Sep 2025 16:51		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX092525

Review By	Semsettin Yesilyurt	Review On	9/29/2025 1:10:31 AM
Supervise By	Maresh Dadoda	Supervise On	9/29/2025 1:11:53 AM
SubDirectory	VX092525	HP Acquire Method	HP Processing Method 82X091625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135628,VP135646		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135629,VP135630,VP135647,VP135648		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047794.D	25 Sep 2025 08:24		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047795.D	25 Sep 2025 08:56	pH#Lot#V12668	JC/MD	Ok,M
3	VX0925MBL01	VX0925MBL01	VX047796.D	25 Sep 2025 09:25		JC/MD	Ok
4	VX0925WBL01	VX0925WBL01	VX047797.D	25 Sep 2025 09:46		JC/MD	Ok
5	VX0925WBS01	VX0925WBS01	VX047798.D	25 Sep 2025 10:13		JC/MD	Ok,M
6	VX0925WBSD01	VX0925WBSD01	VX047799.D	25 Sep 2025 10:42		JC/MD	Ok,M
7	Q3165-02	VPB184-HYD-2025091	VX047800.D	25 Sep 2025 11:03	vial A pH<2	JC/MD	Ok
8	Q3165-01	BP-VPB-184-TB-20250	VX047801.D	25 Sep 2025 11:24	vial A pH<2 TB	JC/MD	Ok
9	Q3165-03	BP-VPB-184-GW-240-2	VX047802.D	25 Sep 2025 11:46	vial A pH<2	JC/MD	Ok
10	Q3165-04	BP-VPB-184-GW-260-2	VX047803.D	25 Sep 2025 12:07	vial A pH<2	JC/MD	Ok
11	Q3165-05	BP-VPB-184-GW-280-2	VX047804.D	25 Sep 2025 12:28	vial A pH<2	JC/MD	Ok
12	Q3165-06	BP-VPB-184-DUP-2025	VX047805.D	25 Sep 2025 12:49	vial A pH<2	JC/MD	Ok
13	Q3165-07	BP-VPB-184-GW-300-3	VX047806.D	25 Sep 2025 13:10	vial A pH<2	JC/MD	Ok
14	Q3127-04DL	DUP07-20250915DL	VX047807.D	25 Sep 2025 13:31	vial B pH<2	JC/MD	Ok
15	Q3127-17	TB06-20250912	VX047808.D	25 Sep 2025 13:53	vial A pH<2 TB	JC/MD	Ok
16	Q3127-13	TT119S1-20250916	VX047809.D	25 Sep 2025 14:14	vial B pH<2	JC/MD	Ok
17	Q3128-07	BPOW6-2-20250916	VX047810.D	25 Sep 2025 14:35	vial A pH<2	JC/MD	Ok
18	Q3128-08	BPOW6-10-20250916	VX047811.D	25 Sep 2025 14:56	vial A pH<2	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX092525

Review By	Semsettin Yesilyurt	Review On	9/29/2025 1:10:31 AM
Supervise By	Maresh Dadoda	Supervise On	9/29/2025 1:11:53 AM
SubDirectory	VX092525	HP Acquire Method	HP Processing Method 82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP135628,VP135646
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135629,VP135630,VP135647,VP135648

19	Q3128-09	BPOW6-11-20250916	VX047812.D	25 Sep 2025 15:17	vial A pH<2	JC/MD	Ok
20	Q3128-10	BPOW6-8-20250916	VX047813.D	25 Sep 2025 15:38	vial A pH<2	JC/MD	Ok
21	Q3128-11	BPOW6-7-20250917	VX047814.D	25 Sep 2025 15:59	vial A pH<2	JC/MD	Ok
22	Q3128-12	BPOW6-6-20250917	VX047815.D	25 Sep 2025 16:21	vial A pH<2	JC/MD	Ok
23	Q3128-13	BPOW6-5-20250917	VX047816.D	25 Sep 2025 16:42	vial A pH<2	JC/MD	Ok
24	Q3127-01	DUP08-20250915	VX047817.D	25 Sep 2025 17:03	vial A pH<2	JC/MD	Ok
25	Q3127-11	RE135D3-20250915	VX047818.D	25 Sep 2025 17:24	vial A pH<2	JC/MD	Ok
26	Q3127-19	BPOW1-7-20250917	VX047819.D	25 Sep 2025 17:45	vial A pH<2	JC/MD	Ok
27	Q3165-08	BP-VPB-184-GW-320-3	VX047820.D	25 Sep 2025 18:06	vial A pH<2	JC/MD	Ok
28	Q3165-09MS	BP-VPB-184-GW-320-3	VX047821.D	25 Sep 2025 18:27	vial A pH<2	JC/MD	Ok,M
29	Q3165-10MSD	BP-VPB-184-GW-320-3	VX047822.D	25 Sep 2025 18:48	vial A pH<2	JC/MD	Ok,M
30	VSTDCCC050	VSTDCCC050EC	VX047823.D	25 Sep 2025 19:09		JC/MD	Ok,M
31	BFB	BFB	VX047824.D	26 Sep 2025 00:46		JC/MD	Ok
32	VSTDCCC050	VSTDCCC050	VX047825.D	26 Sep 2025 01:28		JC/MD	Ok,M
33	VX0925WBL02	VX0925WBL02	VX047826.D	26 Sep 2025 02:10		JC/MD	Ok
34	VX0925WBS02	VX0925WBS02	VX047827.D	26 Sep 2025 02:31		JC/MD	Ok,M
35	VX0925WBSD02	VX0925WBSD02	VX047828.D	26 Sep 2025 02:52	Surrogate Fail	JC/MD	Not Ok
36	Q3156-02	RE10-MW01S-20250918	VX047829.D	26 Sep 2025 03:31	vial A pH<2	JC/MD	Ok
37	Q3156-03	RE131D3-20250918	VX047830.D	26 Sep 2025 03:52	vial A pH<2 Need 10X	JC/MD	Dilution

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX092525

Review By	Semsettin Yesilyurt	Review On	9/29/2025 1:10:31 AM
Supervise By	Maresh Dadoda	Supervise On	9/29/2025 1:11:53 AM
SubDirectory	VX092525	HP Acquire Method	HP Processing Method 82X091625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135628,VP135646		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135629,VP135630,VP135647,VP135648		

38	Q3156-04	TT190D1-20250918	VX047831.D	26 Sep 2025 04:13	vial A pH<2 Need 5X	JC/MD	Dilution
39	Q3156-05	RE132D2-20250918	VX047832.D	26 Sep 2025 04:34	vial A pH<2 E flag of previous sample	JC/MD	ReRun
40	Q3156-06	RE132D4-20250918	VX047833.D	26 Sep 2025 04:55	vial A pH<2 Need 5X	JC/MD	Dilution
41	Q3156-07	TT189D2-20250918	VX047834.D	26 Sep 2025 05:16	vial A pH<2	JC/MD	Ok
42	Q3156-08	TT149I1-20250918	VX047835.D	26 Sep 2025 05:37	vial A pH<2	JC/MD	Ok
43	Q3156-09	RE132D3-20250918	VX047836.D	26 Sep 2025 05:58	vial A pH<2	JC/MD	Ok
44	Q3156-11	RE132D1-20250918	VX047837.D	26 Sep 2025 06:19	vial A pH<2	JC/MD	Ok
45	Q3156-12	TT190D2-20250918	VX047838.D	26 Sep 2025 06:40	vial A pH<2	JC/MD	Ok
46	Q3128-04	BPOW6-4-20250916	VX047839.D	26 Sep 2025 07:01	vial A pH<2	JC/MD	Ok
47	Q3128-05	BPOW6-9-20250916	VX047840.D	26 Sep 2025 07:22	vial A pH<2	JC/MD	Ok
48	Q3128-06	BPOW6-3-20250916	VX047841.D	26 Sep 2025 07:43	vial A pH<2	JC/MD	Ok
49	Q3128-14	TB07-20250912	VX047842.D	26 Sep 2025 08:04	vial A pH<2 TB	JC/MD	Ok
50	Q3128-01	BPOW6-1-20250916	VX047843.D	26 Sep 2025 08:25	vial A pH<2	JC/MD	Ok
51	Q3128-02MS	BPOW6-1-20250916MS	VX047844.D	26 Sep 2025 08:46	vial A pH<2	JC/MD	Ok,M
52	Q3128-03MSD	BPOW6-1-20250916MS	VX047845.D	26 Sep 2025 09:07	vial A pH<2	JC/MD	Ok,M
53	VSTDCCC050	VSTDCCC050EC	VX047846.D	26 Sep 2025 09:28		JC/MD	Ok,M

M : Manual Integration

Prep Standard - Chemical Standard Summary

Order ID : Q3165
Test : VOC-TCLVOA-10
Prepbatch ID :
Sequence ID/Qc Batch ID: VX092525,

Standard ID :
VP134142,VP134149,VP134933,VP134956,VP134957,VP135480,VP135552,VP135628,VP135629,VP135630,VP135646,VP135647,VP135648,

Chemical ID :
V13391,V14200,V14204,V14205,V14290,V14509,V14510,V14531,V14532,V14625,V14626,V14636,V14637,V14638,V14639,V14668,V14671,V14673,V14675,V14727,V14728,V14803,V14815,V14844,V14906,V14928,V14929,V14951,V14952,V15066,V15067,V15068,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>
719	8260 Working STD (BCM)-First source, 400PPM	VP134142	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								06/10/2025

FROM 1.00000ml of V14668 + 1.00000ml of V14671 + 1.00000ml of V14673 + 1.00000ml of V14675 + 16.00000ml of V14929 = Final
Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1810	8260 Working Std(2-CVE)-800ppm	VP134149	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								06/10/2025

FROM 1.00000ml of V14636 + 1.00000ml of V14637 + 1.00000ml of V14638 + 1.00000ml of V14639 + 46.00000ml of V14929 = 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>
617	8260 Surrogate, 400PPM	VP134933	07/29/2025	01/29/2026	Semsettin Yesilyurt	None	None	Maresh Dadoda
								08/19/2025

FROM 0.40000ml of V14906 + 24.60000ml of V14625 = 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	VP134956	08/01/2025	11/09/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								08/06/2025

FROM 0.25000ml of V14290 + 24.75000ml of V14626 = 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>
218	BFB, 25PPM	VP134957	08/01/2025	11/22/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								08/06/2025

FROM 0.50000ml of V13391 + 49.50000ml of V14625 = 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>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP135480	09/16/2025	10/15/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								09/19/2025

FROM 1.00000ml of V15066 + 1.50000ml of V15067 + 1.50000ml of V15068 + 21.00000ml of V14625 = 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	VP135552	09/22/2025	11/03/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 09/26/2025

FROM 0.40000ml of V14844 + 1.00000ml of V14200 + 1.00000ml of V14509 + 1.00000ml of V14510 + 1.00000ml of V14531 + 1.00000ml of V14532 + 1.00000ml of V14727 + 1.00000ml of V14728 + 1.00000ml of V14803 + 1.00000ml of V14815 + 1.00000ml of V14951 + 1.00000ml of V14952 + 1.50000ml of V14204 + 1.50000ml of V14205 + 10.60000ml of V14928 = 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	VP135628	09/25/2025	09/26/2025	John Carlone	None	None	Maresh Dadoda 09/29/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP134957 = 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	VP135629	09/25/2025	09/26/2025	John Carlone	None	None	Maresh Dadoda
09/29/2025								

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = 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	VP135630	09/25/2025	09/26/2025	John Carlone	None	None	Maresh Dadoda
09/29/2025								

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = Final Quantity: 40.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP135646	09/25/2025	09/26/2025	John Carlone	None	None	Maresh Dadoda
								09/29/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP134957 = 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	VP135647	09/25/2025	09/26/2025	John Carlone	None	None	Maresh Dadoda
								09/29/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = 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	VP135648	09/25/2025	09/26/2025	John Carlone	None	None	Maresh Dadoda
FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = Final Quantity: 40.000 ml								

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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	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14200

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	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14204

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	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14205

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	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

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	03/22/2026	09/22/2025 / sam	09/17/2024 / SAM	V14509

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/22/2026	09/22/2025 / sam	09/17/2024 / SAM	V14510

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	03/22/2026	09/22/2025 / sam	09/18/2024 / SAM	V14531

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	03/22/2026	09/22/2025 / sam	09/18/2024 / SAM	V14532

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)	2310762004	01/29/2026	07/29/2025 / SAM	11/26/2024 / SAM	V14625

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)	2310762004	11/09/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14626

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14636

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14637

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14638

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14639

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	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14668

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	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14671

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	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14673

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14675

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	03/22/2026	09/22/2025 / sam	12/17/2024 / SAM	V14727

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	03/22/2026	09/22/2025 / sam	12/17/2024 / SAM	V14728

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	03/22/2026	09/22/2025 / sam	01/08/2025 / SAM	V14803

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	03/22/2026	09/22/2025 / sam	01/08/2025 / SAM	V14815

LOTS

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	03/22/2026	09/22/2025 / sam	01/21/2025 / SAM	V14844

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]	A0223904	07/29/2026	07/29/2025 / SAM	03/24/2025 / SAM	V14906

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)	24G0262002	03/22/2026	09/22/2025 / sam	05/09/2025 / SAM	V14928

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)	24G0262002	12/06/2025	06/06/2025 / SAM	05/09/2025 / SAM	V14929

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	A0222076	03/22/2026	09/22/2025 / sam	05/19/2025 / SAM	V14951

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	A0222076	03/22/2026	09/22/2025 / sam	05/19/2025 / SAM	V14952

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15066

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)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15067

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15068

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

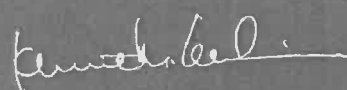
Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

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

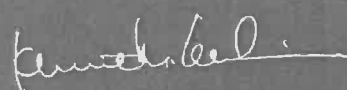
Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

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



Ree 03117/24

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#: BUTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Flask Uncertainty

Formulated By:	Prashant Chauhan	021624
Reviewed By:	Pedro L. Renteria	021624
DATE		

Compound	(KME)	Lot	DR	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information		
														(Solvent Safety Info. On Attached pg.)	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)	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
3. Carbon disulfide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21056	0.21069	2001.1	8.5	1478-11-6	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP9041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20746	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS000C	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)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	N/A
8. Iodomethane	(0489)	SHBF8718V	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 14800mg/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 3460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	128-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 120mg/kg
11. Methyl acrylate	(0755)	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)	MKGW6137V	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 787mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 780mg/kg
14. 2-Nitropropane	(0461)	H400JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	78-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg
15. Pentachloroethane	(0460)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	78-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18990	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	78-13-1	1000 ppm (7600mg/m3/8H)	or-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 915mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	or-rat 848mg/kg
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	or-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethane	35171	101623	0.05	5.00	40003.2	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	20001.6	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	20003.2	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	20004.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	67-68-3	60 ppm (240mg/m3) (CL)	or-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	or-rat 106mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	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	20.5	75-34-3	100 ppm	N/A
29. Trichloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.8	20.8	127-18-4	25 ppm (170mg/m3/8H) (final)	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	40018.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	86-12-8	0.001 ppm	or-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	108-93-4	20 ppm (8H)	or-rat 108mg/kg
33. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	or-rat 670mg/kg
34. 1,2-Dichloroethane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	or-rat 1847mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	or-rat 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.1	28.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10081-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10081-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	830-20-6	N/A	or-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H) (skin)	or-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H) (skin)	or-rat 936mg/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-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	or-rat 149.8mg/kg
45. Benzene	35162	050823	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	or-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-98-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-81-6	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	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 756mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	or-rat 5g/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-87-8	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	109-38-3	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	96-06-6	N/A	N/A
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	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	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	or-rat 1062mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	108-46-7	75 ppm (450mg/m3/8H)	or-rat

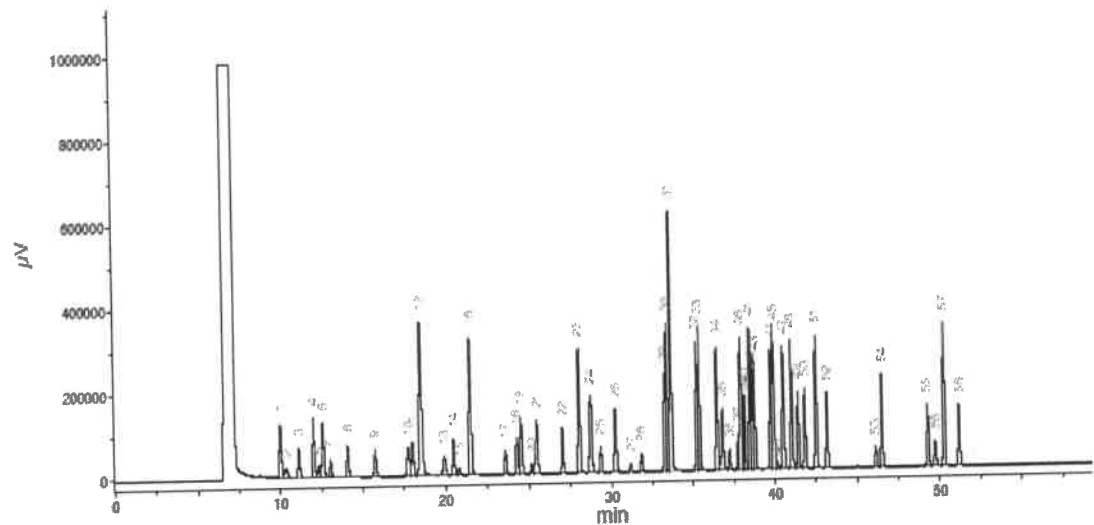


Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

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	10.53
3	1,1-Dichloroethane	11.10
4	Acetone	12.00
5	Isodimethane	12.21
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methyl methacrylate/Methyl acrylate/Chloroform	18.49
13	Isobutene/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.88
18	1,2-Dichloropropane	24.52
19	Methyl methacrylate	25.13
20	Bromochloropropane	25.46
21	Dibromomethane/2,2-Dichloropropane	27.07
22	cis-1,2-Dichloroethene	28.03
23	Toluene	28.73
24	Ethyl methacrylate/Trans-1,2-Dichloropropane	29.34
25	1,1,2-Trichloroethane	30.24
26	Tetrachloroethane/1,2-Dichloropropane	31.16
27	Dibromochloropropane	31.84
28	1,2-Dibromomethane	33.06
29	Chlorobenzene	33.40
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.85
31	m-Xylene/p-Xylene	35.53
32	o-Xylene	35.70
33	Styrene	35.79
34	Isopropylbenzene/Bromofarm	36.48
35	cis-1,4-Dichloro-3-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,2-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-3-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	Chlorobenzene	38.63
43	4-Chlorobenzene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropylbenzene	41.02
49	1,3-Trichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.40
55	1,2,4-Trichlorobenzene	49.28
56	Hexachlorocyclopentadiene	49.72
57	Naphthalene	50.56
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, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225 H370 P271 P302,332	Highly Flammable Liquid and Vapor Cause damage to organs Use in ventilated area If on skin, wash with soap and water	H301, 311, 331 H351 P280 P305,351,338	Toxic if swallowed, skin contact, inhaled Suspected of causing cancer Use gloves, eye protection/face shield If in eyes, remove contacts, rinse with water
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			Signal Word: DANGER
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Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#	% (optional)
Methanol METHYL ALCOHOL	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.



Ree 03117/24

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#: BUTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Flask Uncertainty

Formulated By:	Prashant Chauhan	021624
Reviewed By:	Pedro L. Renteria	021624
DATE		

Compound	(KME)	Lot	DR	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information		
														(Solvent Safety Info. On Attached pg.)	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)	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
3. Carbon disulfide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21056	0.21069	2001.1	8.5	1478-11-6	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP9041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20746	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS000C	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)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	N/A
8. Iodomethane	(0489)	SHBF8718V	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 14800mg/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 3460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	128-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 120mg/kg
11. Methyl acrylate	(0755)	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)	MKBW6137V	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 787mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 780mg/kg
14. 2-Nitropropane	(0461)	HG02JXK	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	78-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg
15. Pentachloroethane	(0460)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	78-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18990	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	78-13-1	1000 ppm (7600mg/m3/8H)	or-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 915mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 848mg/kg
19. cis-1,2-Dichloroethane	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	or-rat 848mg/kg
20. trans-1,2-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	or-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	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	20024.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	67-68-3	60 ppm (240mg/m3) (CL)	or-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	or-rat 106mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	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	20.5	75-34-3	100 ppm	N/A
29. Trichloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.8	20.8	127-18-4	25 ppm (170mg/m3/8H) (final)	or-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20018.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40018.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	86-12-8	0.001 ppm	or-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	108-93-4	20 ppm (8H)	or-rat 108mg/kg
33. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	or-rat 670mg/kg
34. 1,2-Dichloroethane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	or-rat 1847mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	or-rat 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.1	28.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10081-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10081-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	830-20-6	N/A	or-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H) (skin)	or-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H) (skin)	or-rat 936mg/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-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	or-rat 149.8mg/kg
45. Benzene	35162	050823	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	or-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	99-87-6	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40004.8	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	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-98-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-81-6	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	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 756mg/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	40001.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-87-8	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	109-38-3	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	96-06-6	N/A	N/A
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	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	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	or-rat 1062mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	109-46-7	75 ppm (450mg/m3/8H)	or

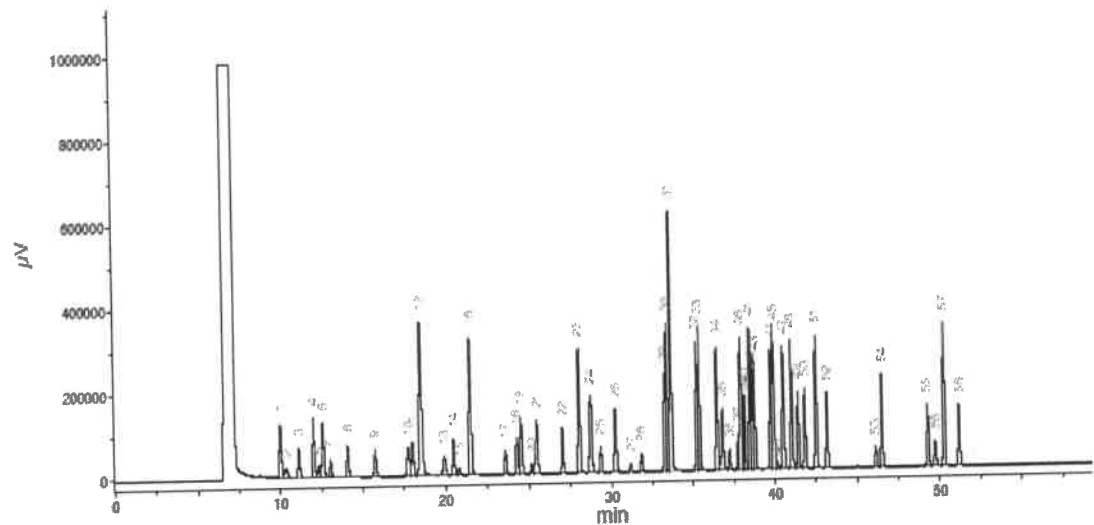


Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

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	10.53
3	1,1-Dichloroethane	11.10
4	Acetone	12.00
5	Isodimethane	12.21
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	17.74
11	cis-1,2-Dichloroethane	18.00
12	Methyl methacrylate/Methyl acrylate/Chloroform	18.49
13	Isobutene/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethane	23.88
18	1,2-Dichloropropane	24.52
19	Methyl methacrylate	25.13
20	Bromochloropropane	25.46
21	Dibromomethane/2,2-Dichloropropane	27.07
22	cis-1,2-Dichloroethane	28.03
23	Toluene	28.73
24	Ethyl methacrylate/Trans-1,2-Dichloropropane	29.34
25	1,1,2-Trichloroethane	30.24
26	Tetrachloroethane/1,2-Dichloropropane	31.16
27	Dibromochloromethane	32.84
28	1,2-Dibromomethane	33.26
29	Chlorobenzene	33.85
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	35.33
31	m-Xylene/p-Xylene	35.39
32	o-Xylene	35.48
33	Styrene	36.80
34	Isopropylbenzene/Bromofarm	37.22
35	cis-1,4-Dichloro-3-butene	37.27
36	1,1,2-Trichloropropane	37.92
37	n-Propylbenzene	38.05
38	trans-1,4-Dichloro-3-butene	38.14
39	Bromobenzene	38.50
40	1,3,5-Trimethylbenzene	38.63
41	2-Chlorobenzene	38.77
42	4-Chlorobenzene	39.76
43	tert-Butylbenzene	39.91
44	1,2,4-Trimethylbenzene	40.17
45	Perchloroethane	40.52
46	sec-Butylbenzene	41.02
47	p-Isopropylbenzene	41.42
48	1,3-Trichlorobenzene	41.83
49	1,4-Dichlorobenzene	42.52
50	n-Butylbenzene	42.18
51	1,2-Dichlorobenzene	46.12
52	1,2-Dibromo-3-chloropropane	46.40
53	Nitrobenzene	49.26
54	1,2,4-Trifluorobenzene	49.72
55	Hexachlorocyclopentadiene	50.56
56	Naphthalene	51.16
57	1,2,3-Trichlorobenzene	
58		

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, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225 H370 P271 P302,332	Highly Flammable Liquid and Vapor Cause damage to organs Use in ventilated area If on skin, wash with soap and water	H301, 311, 331 H351 P280 P305,351,338	Toxic if swallowed, skin contact, inhaled Suspected of causing cancer Use gloves, eye protection/face shield If in eyes, remove contacts, rinse with water
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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		
Methanol	METHYL ALCOHOL	CAS#: 67-56-1
		% (optional) > 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

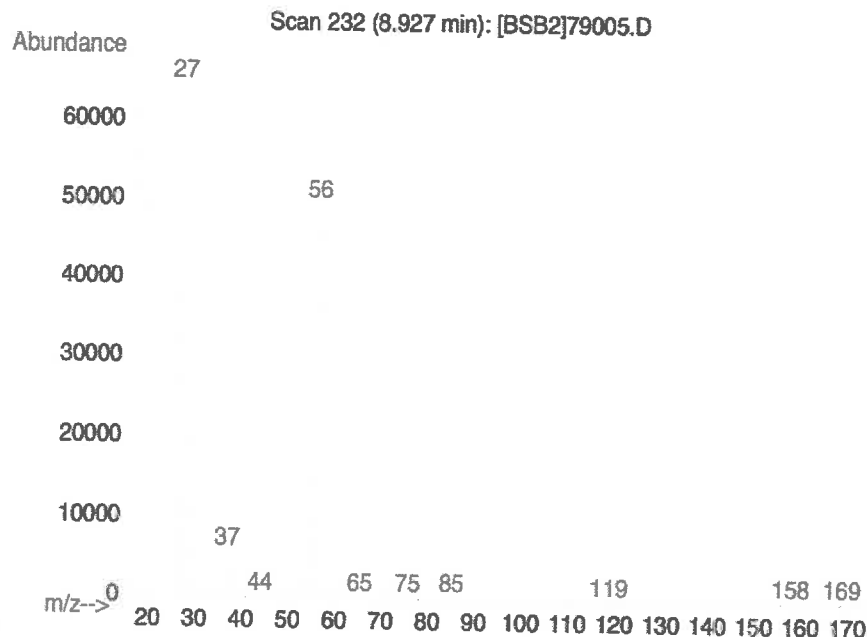
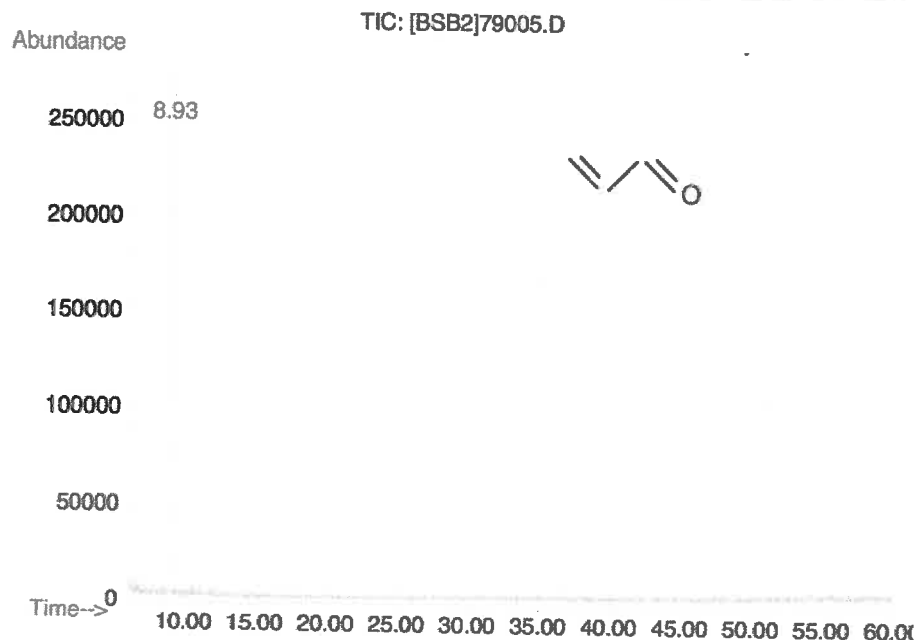
CERTIFIED WEIGHT REPORT

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>	
Formulated By: Justin Dippold	091424 DATE
<i>Pedro L. Rentas</i>	
Reviewed By: Pedro L. Rentas	091424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- 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 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>	
Formulated By: Justin Dippold	091424 DATE
<i>Pedro L. Rentas</i>	
Reviewed By: Pedro L. Rentas	091424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

Abundance TIC: [BSB2]79005.D

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**

Weight(s) shown below were combined and diluted to (mL): **50.0**

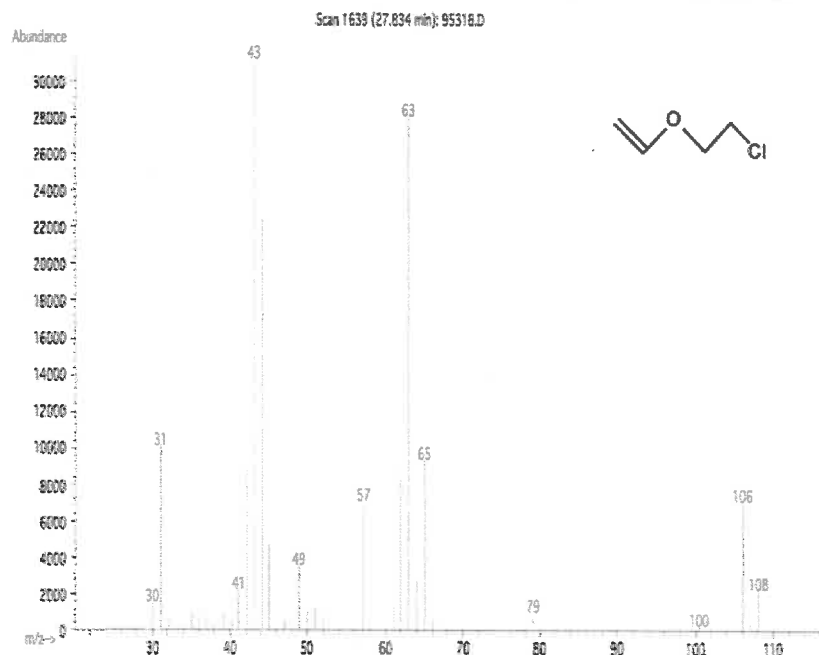
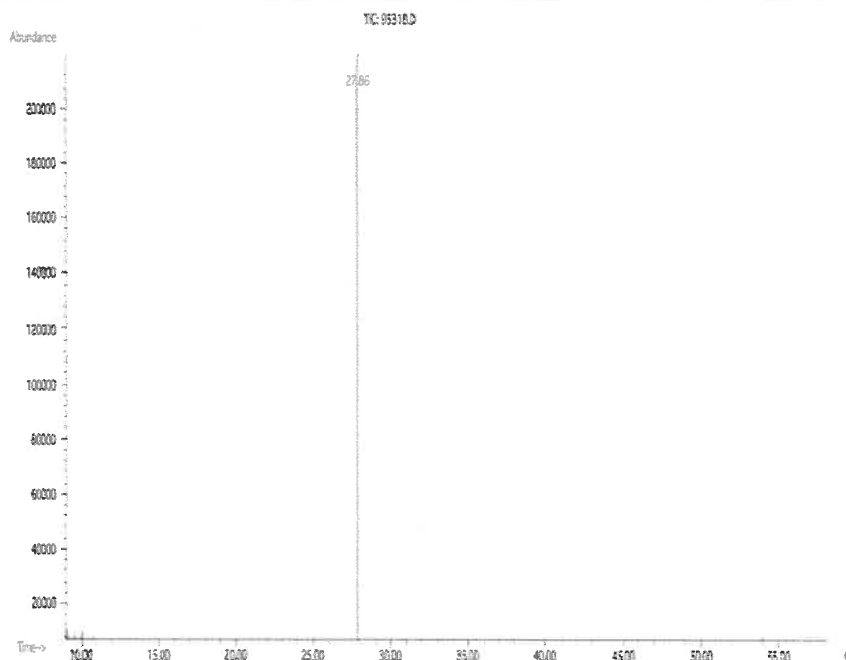
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



Dec 12/6/24
20 vial

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

Formulated By: Prashant Chauhan
Reviewed By: Pedro L. Rentas

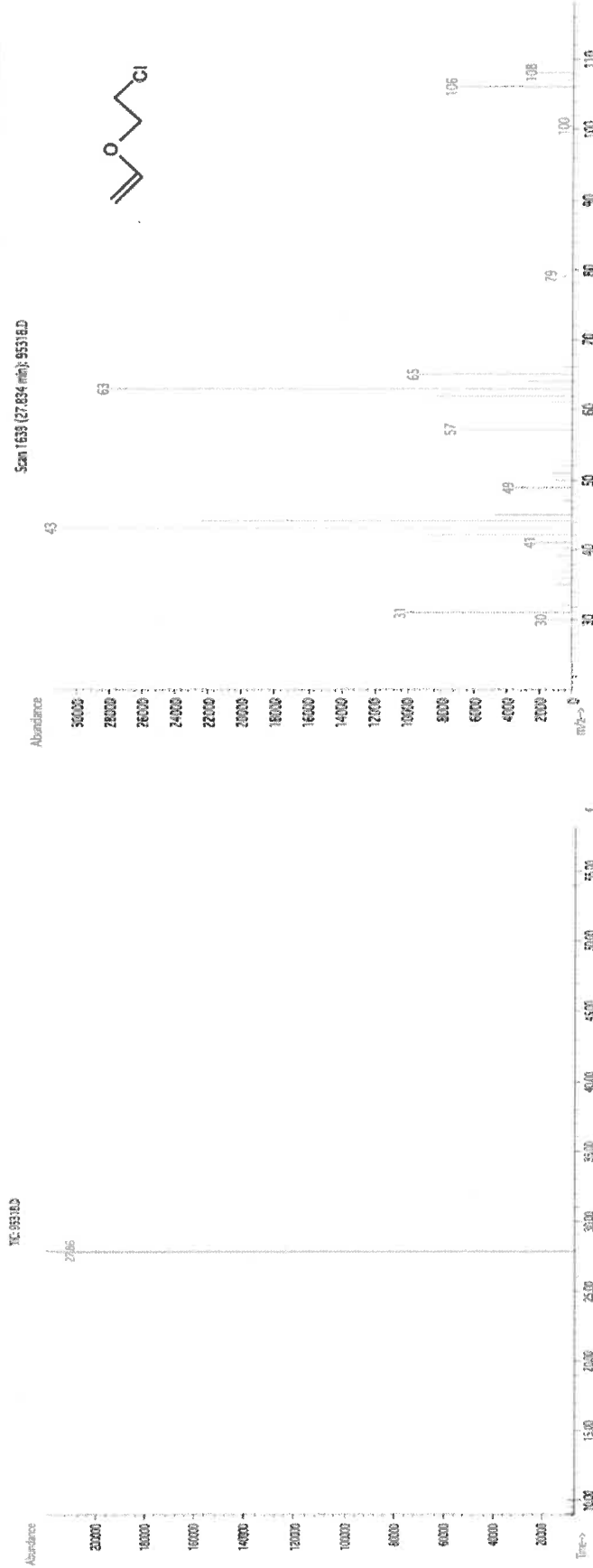
✓ 14630 to
✓ 14649

Weight(s) shown below were combined and diluted to (mL):

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8 N/A or-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., **Injector B Temp:** = 200°C, **Detector B Temp.** = 220°C. **Analyst:** Candice Warren.



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



See 1216124
20 vial

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Solvent(s): Lot#
Methanol EJ143-US

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Formulated By: Prashant Chauhan 120524
Reviewed By: Pedro L. Rentas 120524

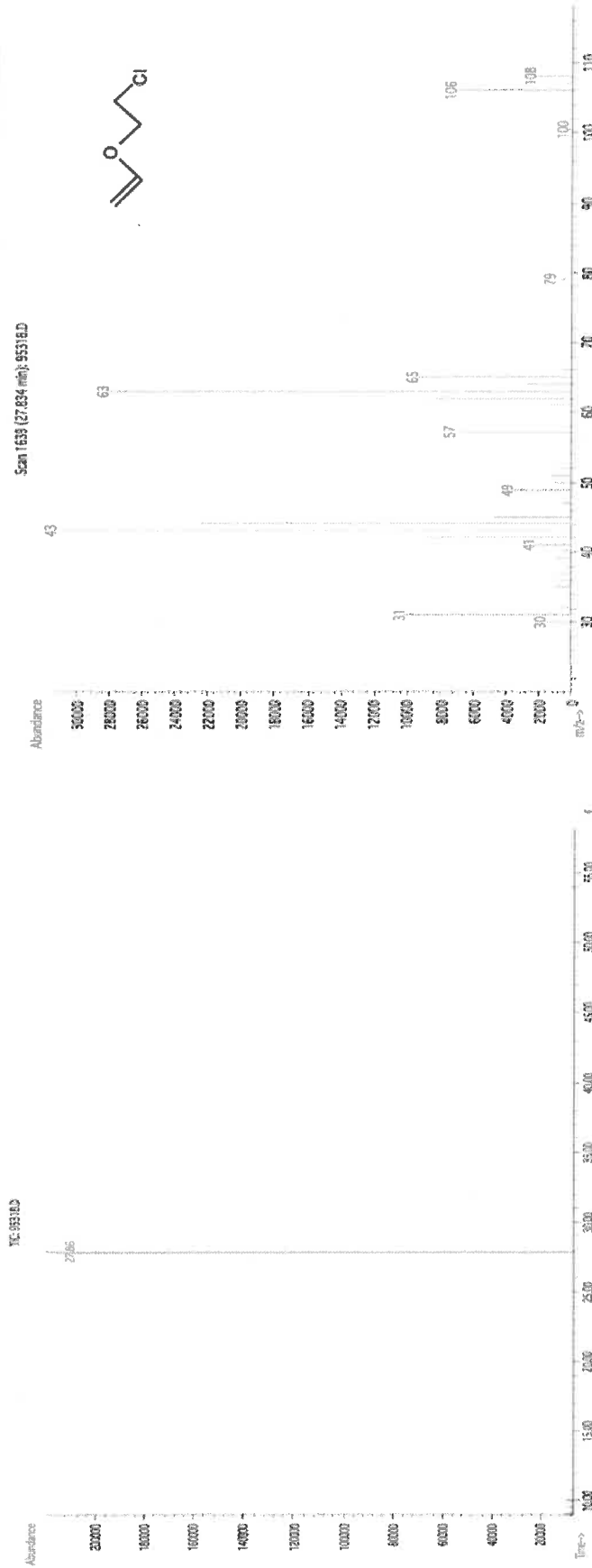
Weight(s) shown below were combined and diluted to (mL):

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)	LD50
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1. 2-Chloroethyl vinyl ether 74 MKCD0033 10000 99 0.2 0.50536 0.50550 10002.9 40.5 110-75-8 N/A or-rat 250mg/kg

Method: GC/MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., **Injector B Temp:** = 200°C, **Detector B Temp.** = 220°C. **Analyst:** Candice Warren.



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



Dec 12/16/24
20 vial

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Solvent(s): Lot#
Methanol EJ143-US

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Formulated By: Prashant Chauhan 120524
Reviewed By: Pedro L. Rentas 120524

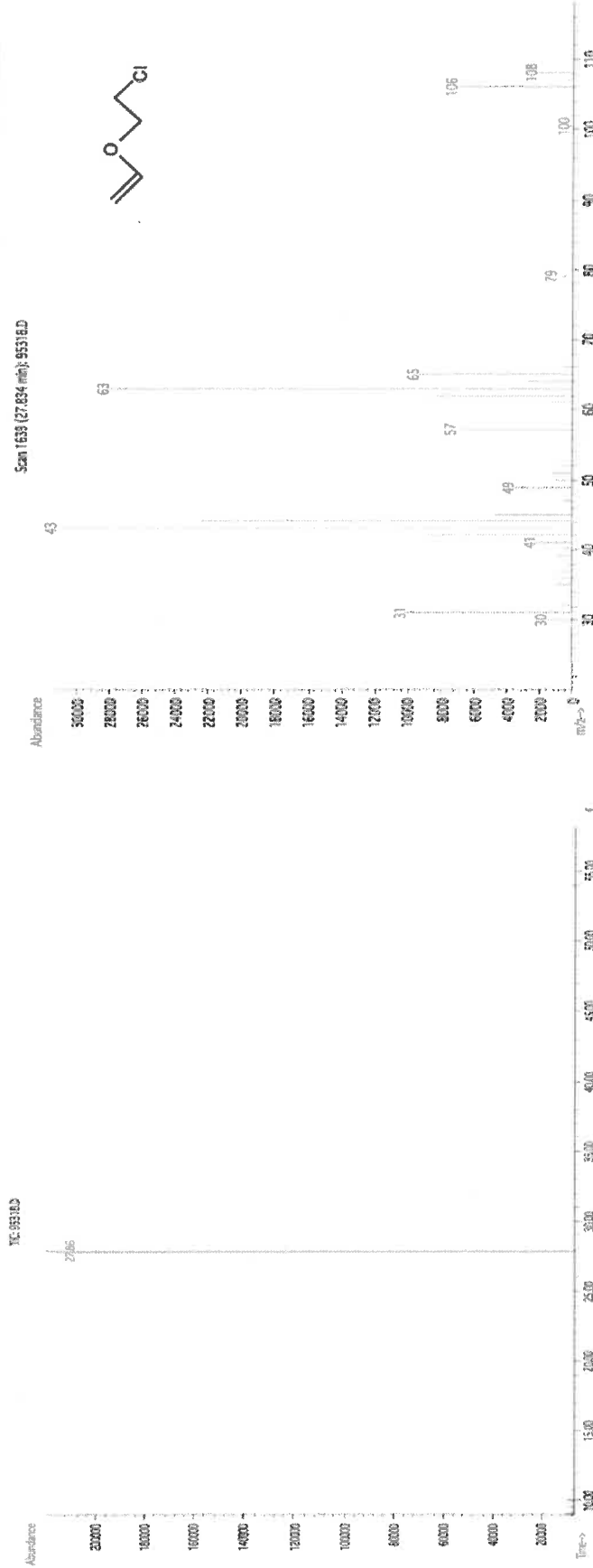
Weight(s) shown below were combined and diluted to (mL):

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)	LD50
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1. 2-Chloroethyl vinyl ether 74 MKCD0033 10000 99 0.2 0.50536 0.50550 10002.9 40.5 110-75-8 N/A or-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., **Injector B Temp:** = 200°C, **Detector B Temp.** = 220°C. **Analyst:** Candice Warren.



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97
	CAS#: 67-56-1	

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



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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:

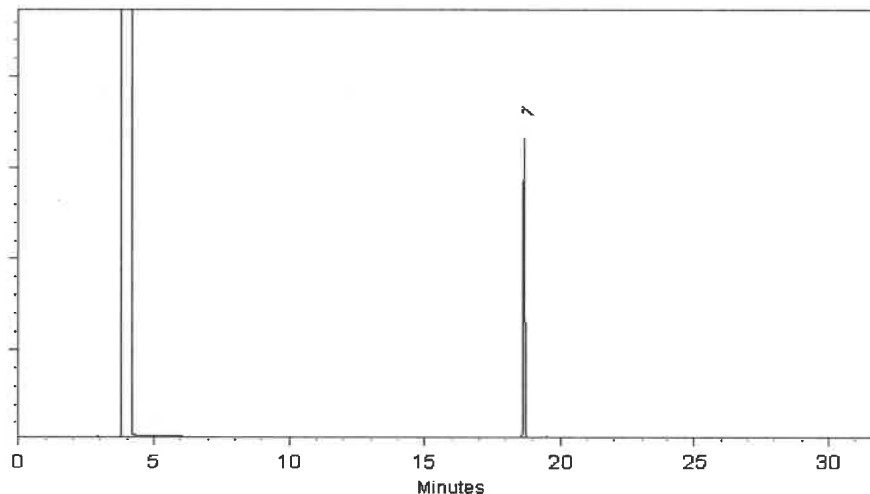
FID

Split Vent:

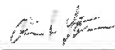
40 ml/min

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/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.:** A0200785

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 : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* 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:

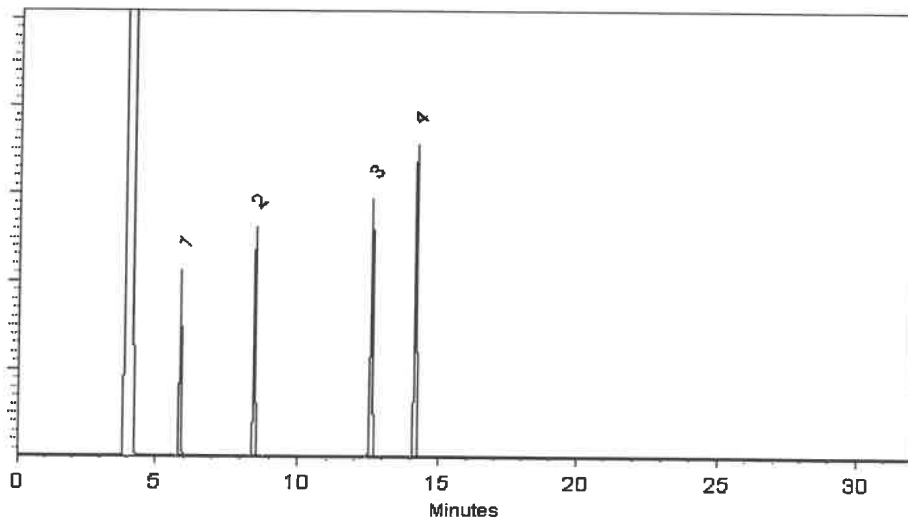
FID

Split Vent:

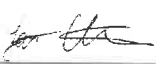
40 ml/min

Inj. Vol

1µl



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Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-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:

- 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.

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Catalog No. : 30006 **Lot No.:** A0200785

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 : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* 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:

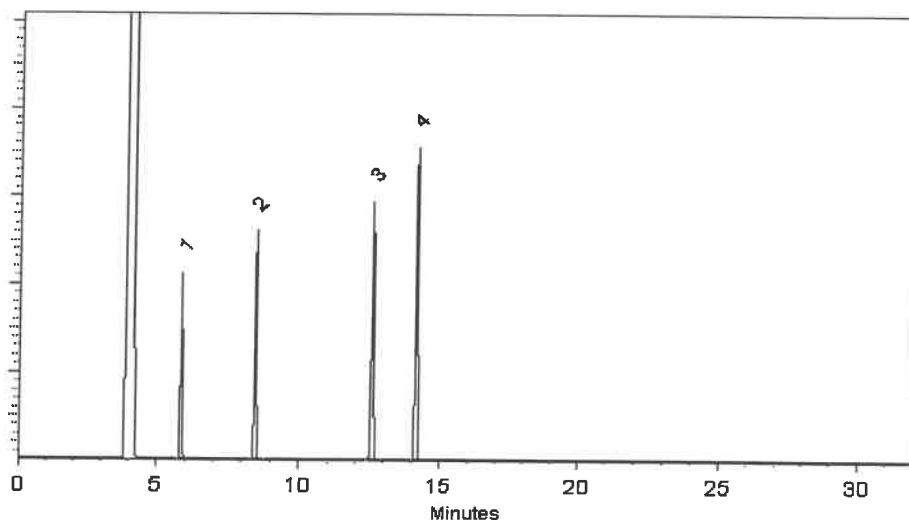
FID

Split Vent:

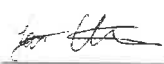
40 ml/min

Inj. Vol

1µl



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Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.:** A0200785

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 : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
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4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* 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:

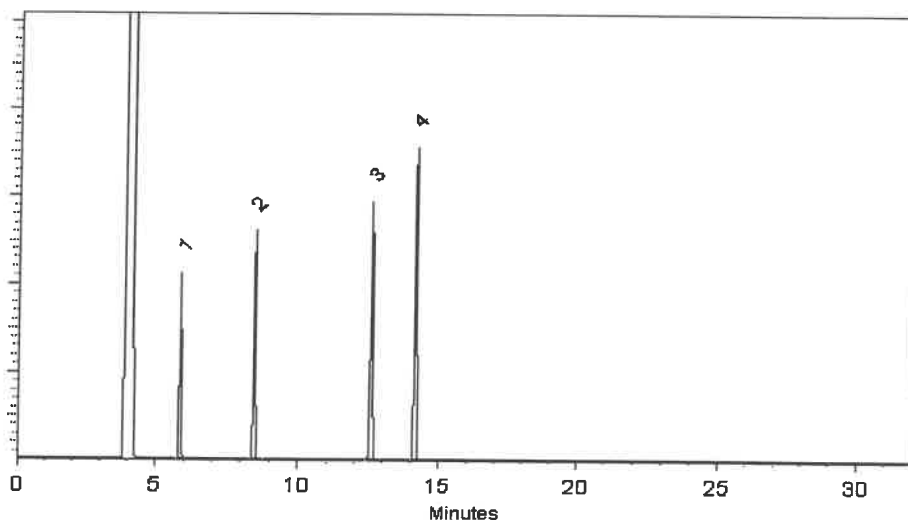
FID

Split Vent:

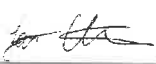
40 ml/min

Inj. Vol

1µl



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Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-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%.

- 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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gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

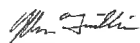
Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%


John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024

Balance: 1127510105

REVISED
By Restek Review of 11-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



110 Benner Circle
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Fax: 1-814-353-1309

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10 vial.
Dec: 12/09/24
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus
V14667-5
V14676



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.:** A0214960
Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* 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:

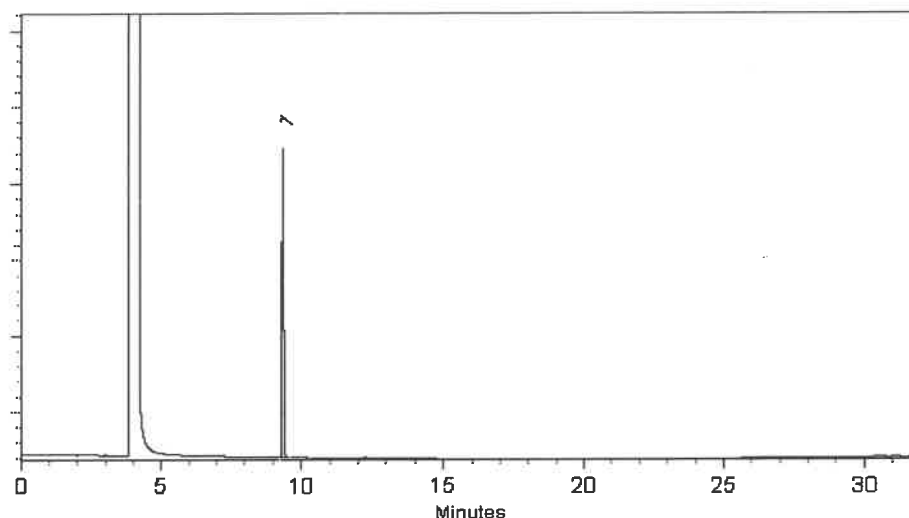
FID

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.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024

Balance Serial # 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Dec: 12/09/24
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus
V14667
V14676



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.:** A0214960
Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* 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:

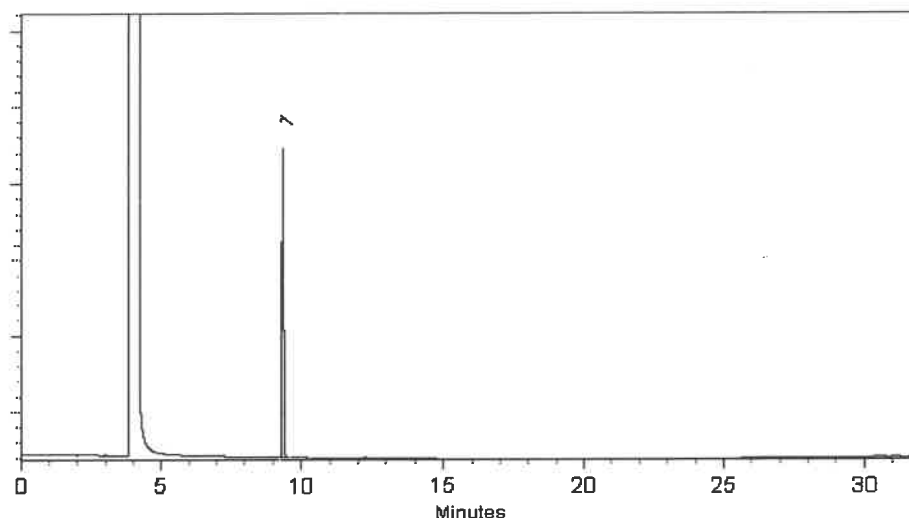
FID

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.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024

Balance Serial # 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
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V14667-5
V14676



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.:** A0214960
Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* 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:

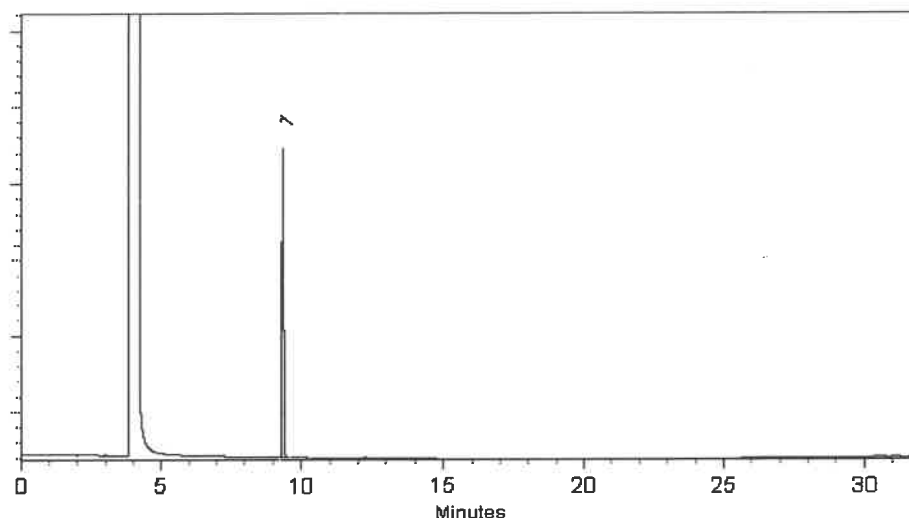
FID

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.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024

Balance Serial # 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Certificate of Analysis
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V14667
V14676



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.:** A0214960
Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* 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:

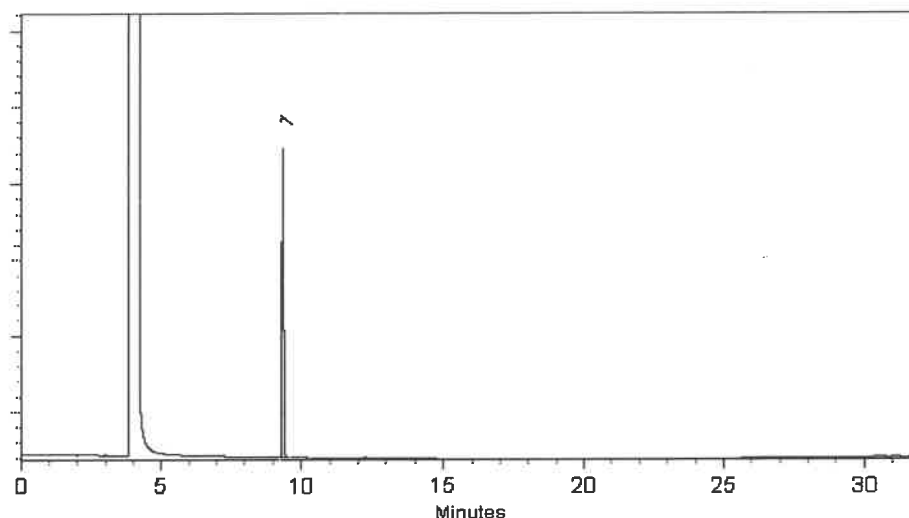
FID

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.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024

Balance Serial # 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Rec 12/17/24
30 ml
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus
V14727 to
V14756



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2031 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

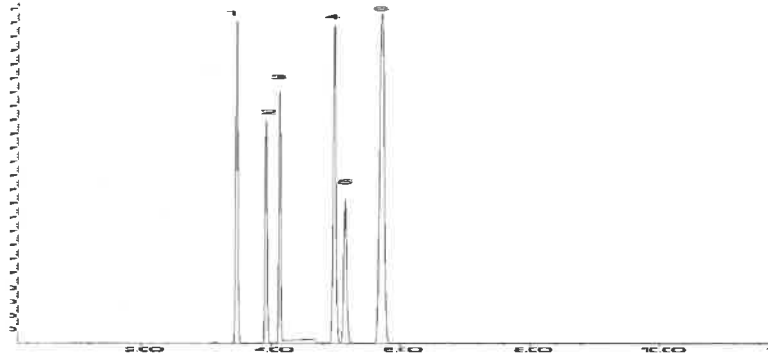
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckal - Mix Technician

Date Mixed: 23-Sep-2024

Balance Serial # B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- 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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30 ml
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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:

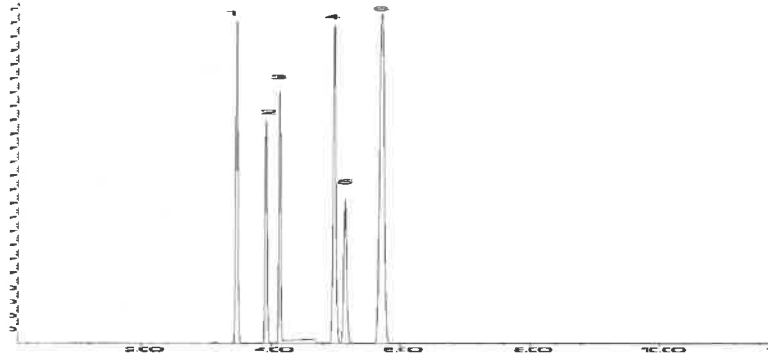
MSD

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

✓ 14842 to 14846



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535
Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : October 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

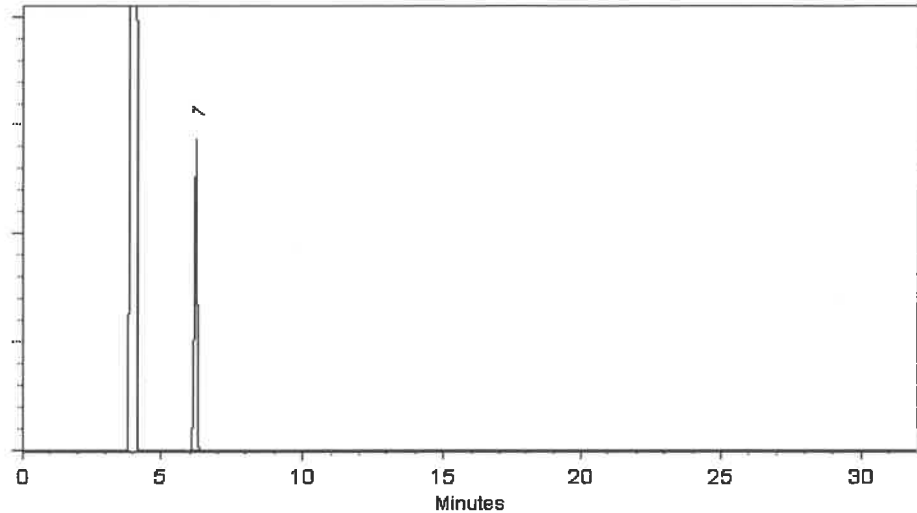
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A. O. E.
Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024

Balance Serial # B251644995

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- 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:

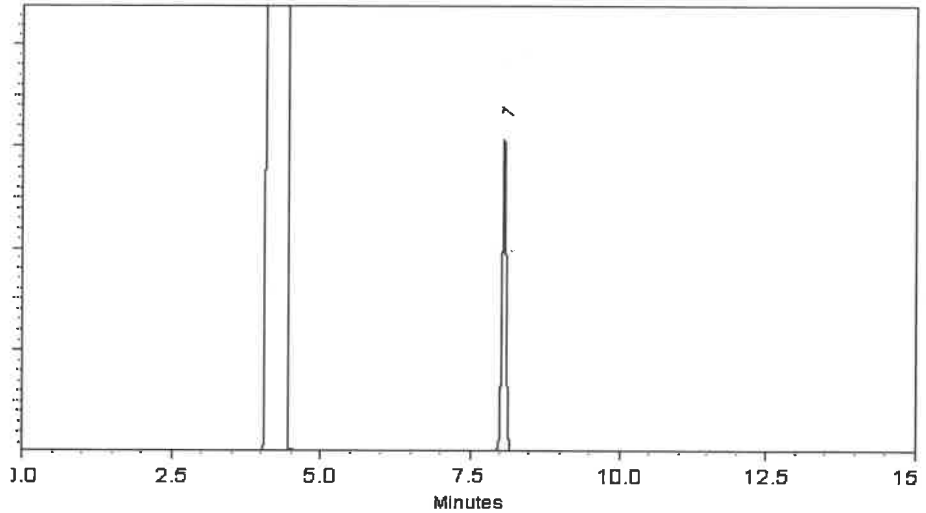
FID

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 Pabon 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:

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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

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:

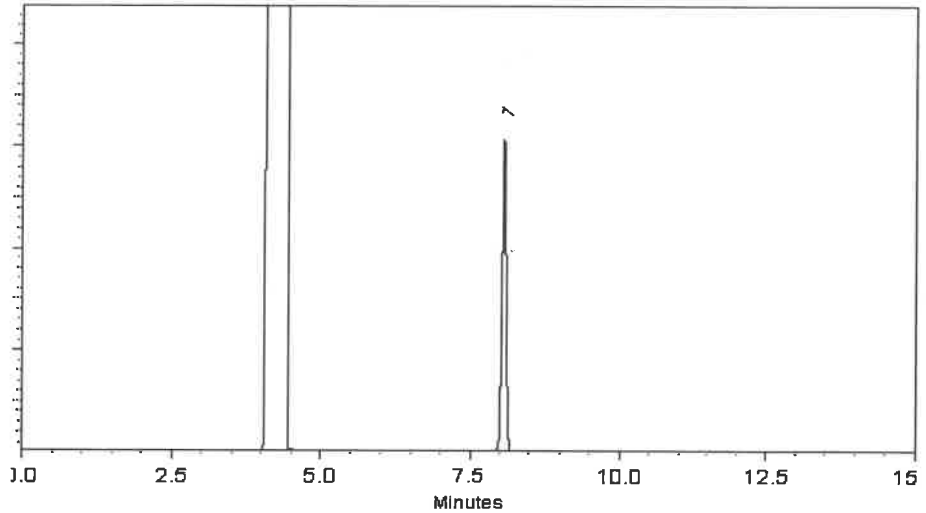
FID

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 Padden 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:

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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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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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10 vial
Dec 03/31/25
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
gravimetric

V14904 to V14913



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.:** A0223904
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 : March 31, 2028 **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-33313	99%	25,108.0 µg/mL	+/- 1,421.9957
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	25,108.0 µg/mL	+/- 1,421.9957
3	Dibromofluoromethane	1868-53-7	VENKAT02	99%	25,232.0 µg/mL	+/- 1,429.0184
4	Toluene-d8	2037-26-5	PR-34141	99%	25,156.0 µg/mL	+/- 1,424.7141

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Brittany Federlino - Operations Tech I

Date Mixed: 27-Mar-2025

Balance: B251644995



Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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Certified Uncertainty Value Notes:

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- 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.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rev 05/09/25
Avantor™



V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	0.3
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 Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rev 05/09/25
Avantor™



V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
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Titration Acid (μeq/g)	≤ 0.3	0.3
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
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500 Series for Drinking Water
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Country of Origin: USA
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Jamie Croak
Director Quality Operations, Bioscience Production



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2ee 05/19/25
CERTIFIED REFERENCE MATERIAL
20 vial

Certificate of Analysis

chromatographic plus

✓ 14951 to ✓ 14970



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.:** A0222076
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 : August 31, 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	Methyl acetate	79-20-9	SHBR1889	99%	2,004.0 µg/mL	+/- 69.2674
2	Vinyl acetate	108-05-4	RD240423RSR	99%	2,010.0 µg/mL	+/- 69.4748
3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,008.0 µg/mL	+/- 69.4057
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* 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



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2ee 05/19/25
CERTIFIED REFERENCE MATERIAL
20 vial

Certificate of Analysis

chromatographic plus

✓ 14951 to ✓ 14970



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.:** A0222076
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 : August 31, 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	Methyl acetate	79-20-9	SHBR1889	99%	2,004.0 µg/mL	+/- 69.2674
2	Vinyl acetate	108-05-4	RD240423RSR	99%	2,010.0 µg/mL	+/- 69.4748
3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,008.0 µg/mL	+/- 69.4057
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* 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



Certified Reference Material CRM

Rec 09/16/25 5 vial



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091525
Description: Acrolein

Solvent(s):
Water
Lot#: 041725Q

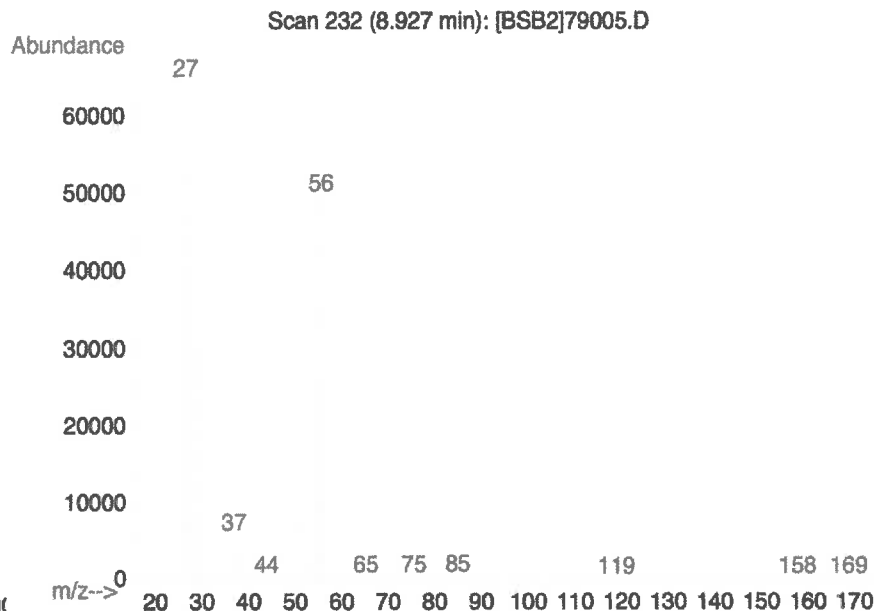
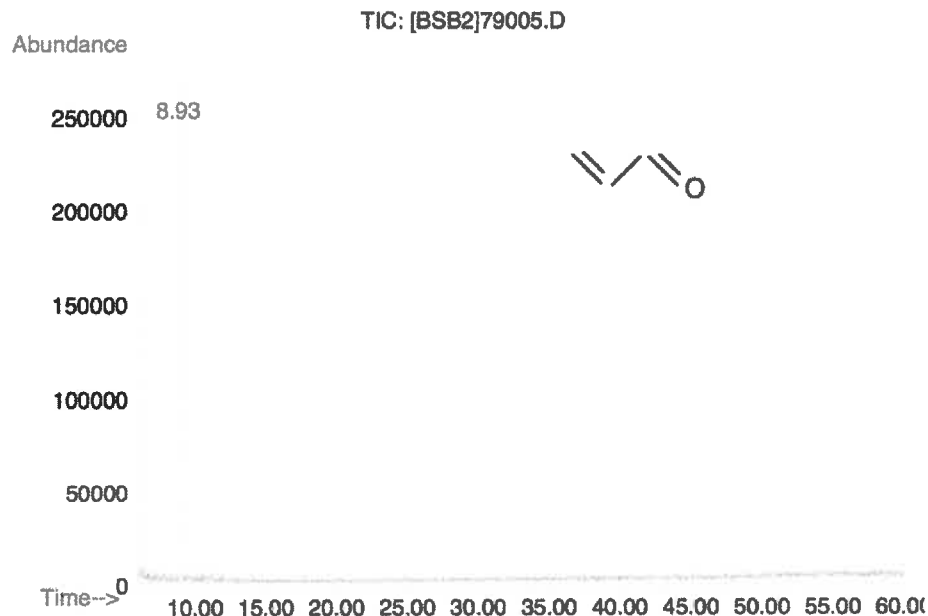
091525	
Formulated By: Anthony Mahoney	DATE
091525	
Reviewed By: Pedro L. Rentas	DATE

V15064 to
V15068

Expiration Date: 101525
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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	0.05176	5009.9	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 by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (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).
- Rev 1.0, 2/25/2025



Certified Reference Material CRM

Rec 09/16/25 5 vial



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091525
Description: Acrolein

Solvent(s):
Water
Lot#: 041725Q

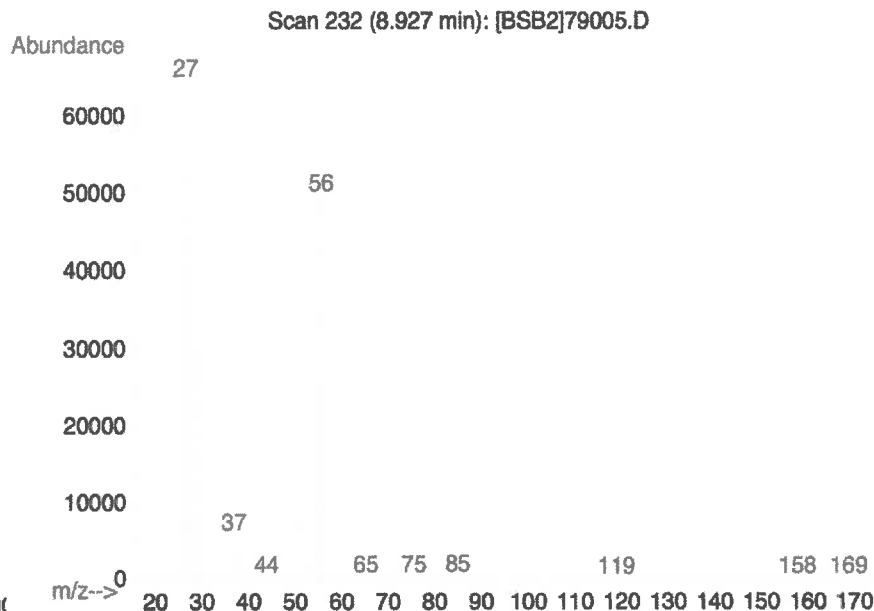
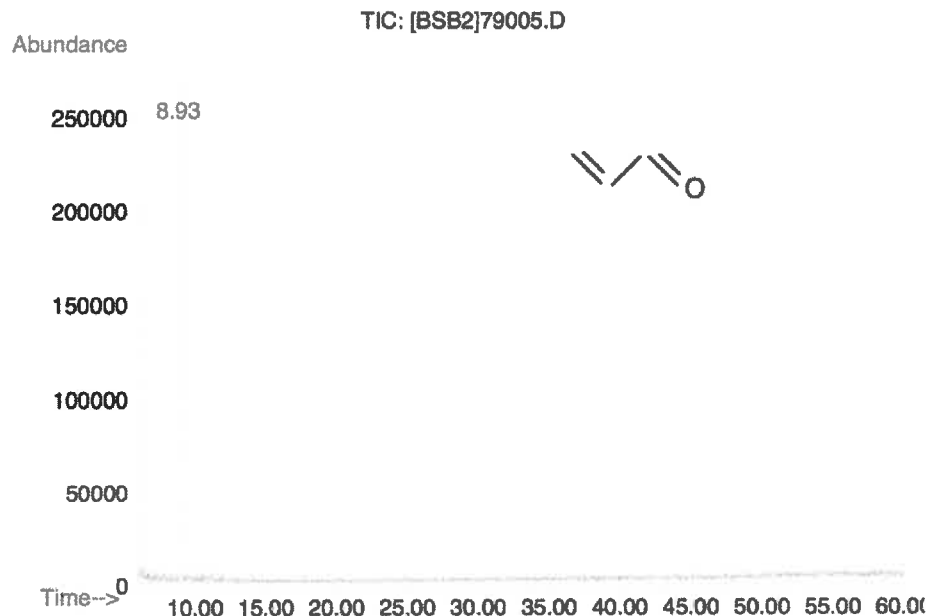
091525	
Formulated By: Anthony Mahoney	DATE
091525	
Reviewed By: Pedro L. Rentas	DATE

V15064 to
V15068

Expiration Date: 101525
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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	0.05176	5009.9	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.



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 - 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).
- Rev 1.0, 2/25/2025



Certified Reference Material CRM

Rec 09/16/25 5 vial



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091525
Description: Acrolein

Solvent(s):
Water
Lot#: 041725Q

091525	
Formulated By: Anthony Mahoney	DATE
091525	
Reviewed By: Pedro L. Rentas	DATE

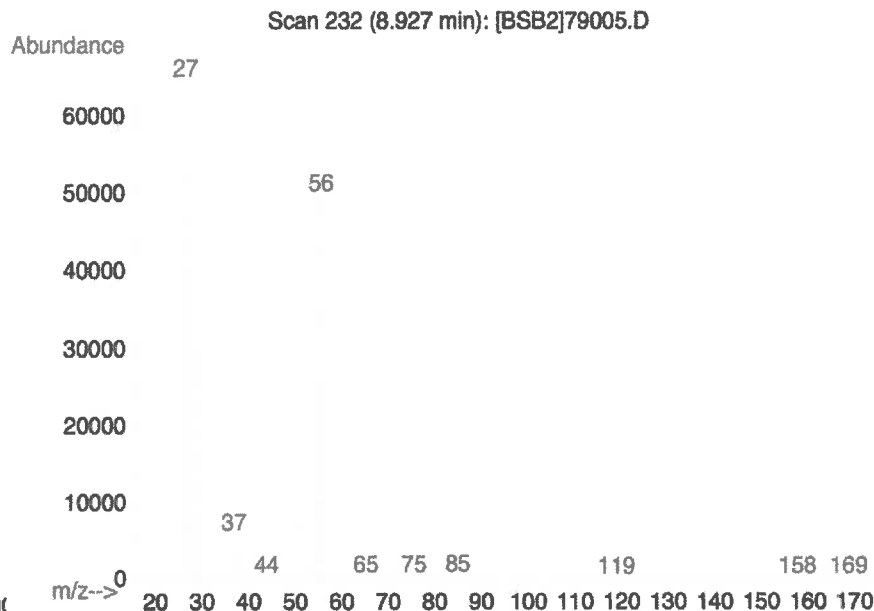
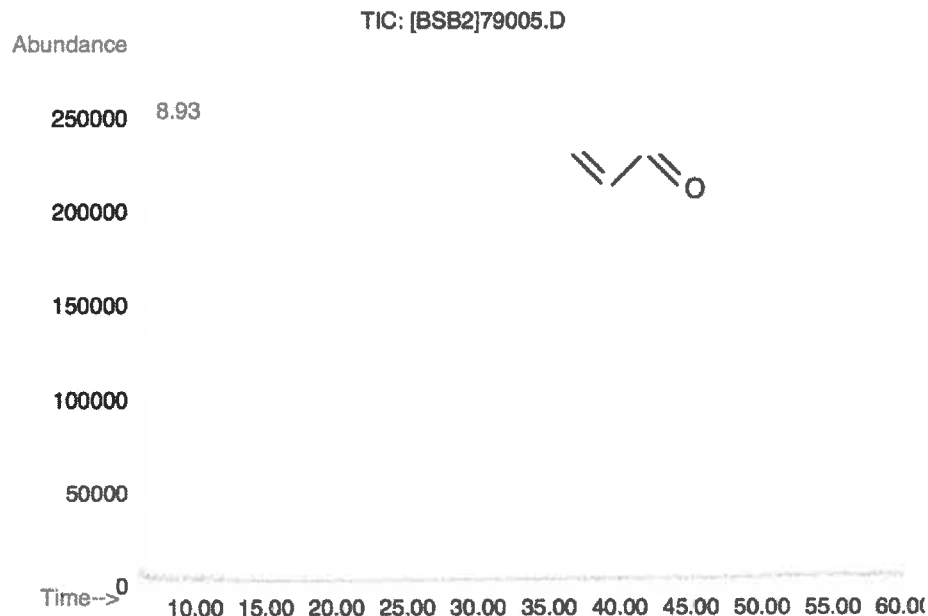
V15064 to
V15068

Expiration Date: 101525
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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	0.05176	5009.9	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
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- Rev 1.0, 2/25/2025



SHIPPING DOCUMENTS

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CHEMTECH CHAIN OF CUSTODY RECORD		284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 78-8922 www.chemtech.net		Chemtech Project Number: Q 3165													
				COC Number: Q 3166													
CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION													
COMPANY: Tetra Tech		PROJECT NAME: NWIRP Bethpage		BILL TO: SEE CONTRACT PO#													
ADDRESS: 4433 Corporation Lane Suite 300		PROJECT #: 112G08005-WE13 LOCATION: VPB-184		ADDRESS:													
CITY: Virginia Beach	STATE: VA ZIP: 23462	PROJECT MANAGER: Ernie Wu		CITY:	STATE: ZIP:												
ATTENTION: Ernie Wu		E-MAIL: ernie.wu@tetrattech.com		ATTENTION: PHONE:													
PHONE: 757-466-4901 FAX: 757-461-4148		PHONE: 757-466-4901 FAX: 757-461-4148		ANALYSIS													
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		VOC(SW846-8260B) 1,4 Dioxane (8270 SIM) <table border="1" style="width: 100%; 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							
FAX: 2 & 10 DAYS* HARD COPY: 2 & 10 DAYS* EDD: 2 & 10 DAYS* * TO BE APPROVED BY CHEMTECH STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		☐ RESEULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☐ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☐ Other _____ ☐ EDD Format _____		PRESERVATIVES													
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE COLLECTION	# of Bottles	COMMENTS											
			COMP GRAB	DATE TIME			A	1	2	3	4	5	6	7	8	9	<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
1.	BP-VPB-184-TB-20250919	QA	X	9/19/25 9:00	2	2											Trip Blank
2.	VPB184-HYD-20250919	AQ	X	9/19/25 13:15	5	2	1	2									Hydrant Sample
3.	BP-VPB-184-GW-240-242	AQ	X	9/19/25 10:47	3	3											
4.	BP-VPB-184-GW-260-262	AQ	X	9/19/25 12:42	3	2	1										
5.	BP-VPB-184-GW-280-282	AQ	X	9/22/25 10:22	3	3											
6.	BP-VPB-184-DUP-20250922	QA	X	9/22/25 12:00	3	3											8260B Duplicate
7.	BP-VPB-184-GW-300-302	AQ	X	9/22/25 12:22	3	2	1										
8.	BP-VPB-184-GW-320-322	AQ	X	9/22/25 14:16	9	9											8260B MS/MSD
9.																	
10.																	
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY																	
RELINQUISHED BY SAMPLER		DATE/TIME		RECEIVED BY		Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 2.0° MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: _____ Comments: 5 Day TAT - For VOC's see worksheet #15 of SAP 2018 for VPB program VOC list 10-DAY TAT - For 1,4 Dioxane (8270 SIM)											
1. <i>[Signature]</i>		9/22/25 1550		1. <i>[Signature]</i> 1550													
RELINQUISHED BY		DATE/TIME		RECEIVED BY													
2.				2.													
RELINQUISHED BY		DATE/TIME		RECEIVED FOR LAB BY		Page 1 of 1				SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight CHEMTECH: ☐ Picked Up ☐ Overnight				Shipment Complete ☐ YES ☐ NO			
3. <i>[Signature]</i>		9/22/25 1400		3.													

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3165	TETR06	Order Date : 9/22/2025 4:07:00 PM	Project Mgr :
Client Name : Tetra Tech NUS, Inc.		Project Name : NWIRP Bethpage 112G080	Report Type : Level 4
Client Contact : Ernie Wu		Receive DateTime : 9/23/2025 6:00:00 PM	EDD Type : ADAPT
Invoice Name : Tetra Tech NUS, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Ernie Wu			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3165-01	BP-VPB-184-TB-20250919	Water	09/19/2025	09:00	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
Q3165-02	VPB184-HYD-20250919	Water	09/19/2025	13:15	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
Q3165-03	BP-VPB-184-GW-240-242	Water	09/19/2025	10:47	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
Q3165-04	BP-VPB-184-GW-260-262	Water	09/19/2025	12:42	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
Q3165-05	BP-VPB-184-GW-280-282	Water	09/22/2025	10:22	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
Q3165-06	BP-VPB-184-DUP-20250922	Water	09/22/2025	12:00	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
Q3165-07	BP-VPB-184-GW-300-302	Water	09/22/2025	12:22	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
Q3165-08	BP-VPB-184-GW-320-322	Water	09/22/2025	14:16					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3165	TETR06	Order Date : 9/22/2025 4:07:00 PM	Project Mgr :
Client Name : Tetra Tech NUS, Inc.		Project Name : NWIRP Bethpage 112G080	Report Type : Level 4
Client Contact : Ernie Wu		Receive DateTime : 9/23/2025 6:00:00 PM	EDD Type : ADAPT
Invoice Name : Tetra Tech NUS, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Ernie Wu			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3165-09	Q3165-8MS	Water	09/22/2025	14:16	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
Q3165-10	Q3165-8MSD	Water	09/22/2025	14:16	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
					VOC-TCLVOA-10		8260-Low	5 Bus. Days	

Relinquished By :

Date / Time :

[Signature]
9/23/25 1035

Received By :

Date / Time :

[Signature]
09/23/25

10:35 Rg # 464

Storage Area : VOA Refridgerator Room

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\X091625\
 Data File : VX047585.D
 Acq On : 16 Sep 2025 09:23
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Sep 22 01:44:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	246348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	451502	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	410953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	201976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	41500	10.583	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	21.160%#
35) Dibromofluoromethane	5.367	113	31188	10.300	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	20.600%#
50) Toluene-d8	8.628	98	103865	9.913	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	19.820%#
62) 4-Bromofluorobenzene	11.061	95	47321	11.900	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	23.800%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	2201	0.863	ug/l	96
3) Chloromethane	1.300	50	3006	0.897	ug/l #	82
4) Vinyl Chloride	1.386	62	2818	0.859	ug/l	95
5) Bromomethane	1.624	94	2304	1.107	ug/l	99
6) Chloroethane	1.697	64	2134	0.973	ug/l	95
7) Trichlorofluoromethane	1.898	101	4261	0.874	ug/l	88
8) Diethyl Ether	2.130	74	1831	0.919	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	2555	0.897	ug/l	93
10) Methyl Iodide	2.459	142	3509	0.790	ug/l #	86
11) Tert butyl alcohol	2.934	59	1850	4.236	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	2594	0.886	ug/l #	80
13) Acrolein	2.239	56	1440	3.578	ug/l #	65
14) Allyl chloride	2.666	41	5885	0.974	ug/l	94
15) Acrylonitrile	3.062	53	6500	4.018	ug/l	97
16) Acetone	2.380	43	8444	4.953	ug/l	99
17) Carbon Disulfide	2.520	76	7662	0.956	ug/l #	91
18) Methyl Acetate	2.703	43	3013	0.794	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	9281	0.869	ug/l #	89
20) Methylene Chloride	2.788	84	3540	0.981	ug/l	93
21) trans-1,2-Dichloroethene	3.099	96	2676	0.849	ug/l	95
22) Diisopropyl ether	3.751	45	9738	0.832	ug/l #	87
23) Vinyl Acetate	3.715	43	37962	4.052	ug/l	97
24) 1,1-Dichloroethane	3.611	63	5372	0.863	ug/l	95
25) 2-Butanone	4.550	43	9105	4.281	ug/l #	83
26) 2,2-Dichloropropane	4.477	77	4657	0.901	ug/l	77
27) cis-1,2-Dichloroethene	4.477	96	3440	0.891	ug/l	96
28) Bromochloromethane	4.879	49	2251	0.829	ug/l #	93
29) Tetrahydrofuran	4.995	42	5210	4.072	ug/l	98
30) Chloroform	5.074	83	5093	0.810	ug/l	86
31) Cyclohexane	5.458	56	4668	0.901	ug/l	90
32) 1,1,1-Trichloroethane	5.373	97	4439	0.832	ug/l #	47
36) 1,1-Dichloropropene	5.672	75	4373	0.988	ug/l #	69
37) Ethyl Acetate	4.702	43	3873	0.818	ug/l #	91
38) Carbon Tetrachloride	5.659	117	4349	0.905	ug/l	95
39) Methylcyclohexane	7.360	83	4428	0.882	ug/l	94
40) Benzene	6.025	78	12012	0.894	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047585.D
 Acq On : 16 Sep 2025 09:23
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Sep 22 01:44:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	2128	0.870	ug/l #	63
42) 1,2-Dichloroethane	6.062	62	4634	0.906	ug/l	80
43) Isopropyl Acetate	6.318	43	6784	0.873	ug/l	94
44) Trichloroethene	7.110	130	2677	0.824	ug/l	78
45) 1,2-Dichloropropane	7.415	63	2945	0.856	ug/l	100
46) Dibromomethane	7.574	93	2240	0.895	ug/l	94
47) Bromodichloromethane	7.805	83	4167	0.806	ug/l #	92
48) Methyl methacrylate	7.683	41	3355	0.867	ug/l #	87
49) 1,4-Dioxane	7.653	88	404	10.329	ug/l #	52
51) 4-Methyl-2-Pentanone	8.555	43	17596	4.085	ug/l	95
52) Toluene	8.708	92	7595	0.917	ug/l	92
53) t-1,3-Dichloropropene	8.964	75	4398	0.834	ug/l #	82
54) cis-1,3-Dichloropropene	8.354	75	4635	0.823	ug/l #	76
55) 1,1,2-Trichloroethane	9.134	97	2918	0.914	ug/l	95
56) Ethyl methacrylate	9.104	69	3679	0.734	ug/l #	84
57) 1,3-Dichloropropane	9.293	76	4580	0.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	4222	9.665	ug/l	99
59) 2-Hexanone	9.415	43	12385	4.003	ug/l	98
60) Dibromochloromethane	9.506	129	2903	0.789	ug/l	87
61) 1,2-Dibromoethane	9.592	107	2596	0.798	ug/l	96
64) Tetrachloroethene	9.256	164	2457	0.917	ug/l	83
65) Chlorobenzene	10.061	112	8202	0.879	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.140	131	2684	0.833	ug/l #	66
67) Ethyl Benzene	10.177	91	13360	0.829	ug/l	98
68) m/p-Xylenes	10.287	106	9922	1.655	ug/l	99
69) o-Xylene	10.622	106	4734	0.816	ug/l	94
70) Styrene	10.640	104	8377	0.824	ug/l	96
71) Bromoform	10.787	173	1816	0.755	ug/l #	94
73) Isopropylbenzene	10.945	105	12618	0.822	ug/l	96
74) N-amyl acetate	10.829	43	5159	0.737	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	3900	0.839	ug/l	96
76) 1,2,3-Trichloropropane	11.225	75	4568	1.117	ug/l	80
77) Bromobenzene	11.183	156	3069	0.811	ug/l	98
78) n-propylbenzene	11.286	91	14866	0.819	ug/l	99
79) 2-Chlorotoluene	11.347	91	9195	0.827	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	9929	0.787	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.006	75	960	0.599	ug/l #	95
82) 4-Chlorotoluene	11.439	91	11123	0.847	ug/l	95
83) tert-Butylbenzene	11.695	119	11311	0.876	ug/l	97
84) 1,2,4-Trimethylbenzene	11.731	105	10187	0.796	ug/l	100
85) sec-Butylbenzene	11.872	105	12561	0.819	ug/l	99
86) p-Isopropyltoluene	11.994	119	10744	0.827	ug/l	92
87) 1,3-Dichlorobenzene	11.951	146	5907	0.841	ug/l	98
88) 1,4-Dichlorobenzene	11.951	146	5907	0.819	ug/l	98
89) n-Butylbenzene	12.317	91	9811	0.816	ug/l	97
90) Hexachloroethane	12.524	117	1752	0.768	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	5491	0.820	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.926	75	698	0.742	ug/l	93
93) 1,2,4-Trichlorobenzene	13.567	180	3358	0.772	ug/l	95
94) Hexachlorobutadiene	13.707	225	1378	0.933	ug/l	93
95) Naphthalene	13.756	128	10112	0.763	ug/l	98
96) 1,2,3-Trichlorobenzene	13.944	180	3043	0.752	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

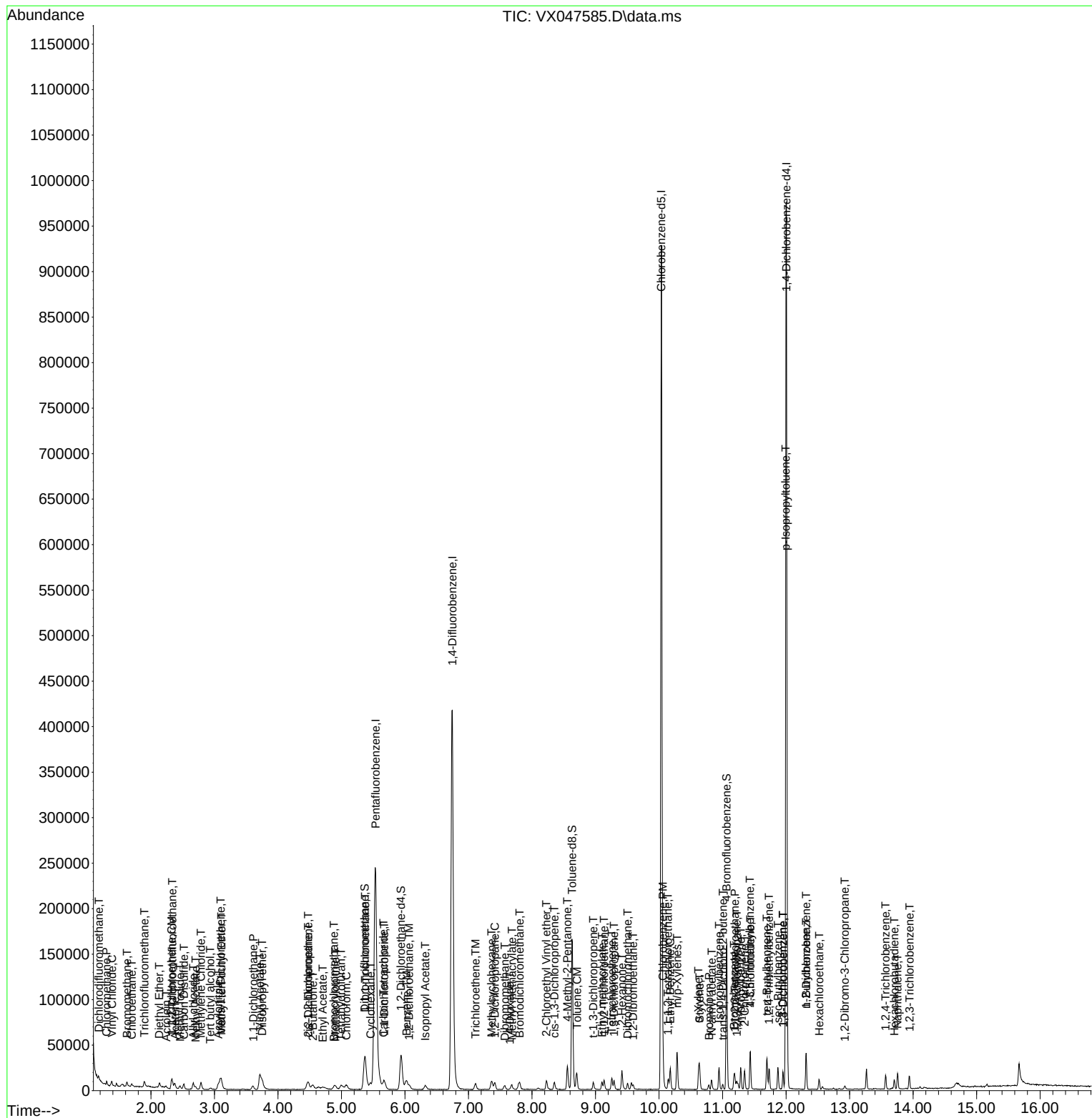
Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

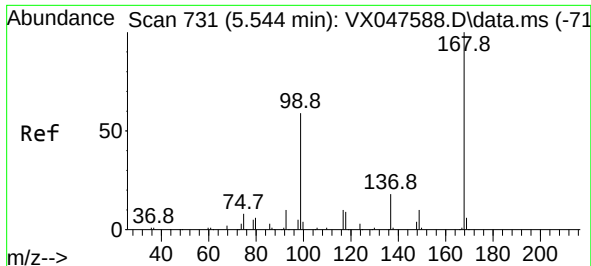
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

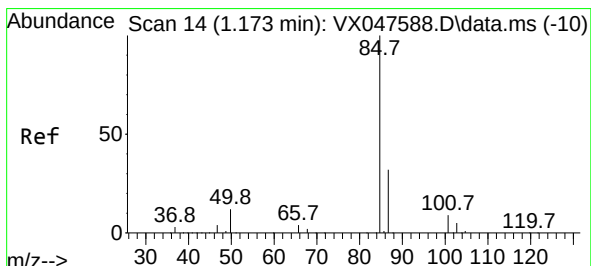
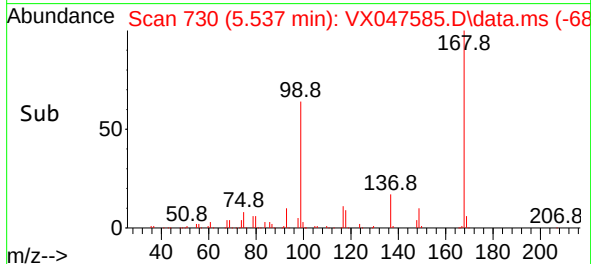
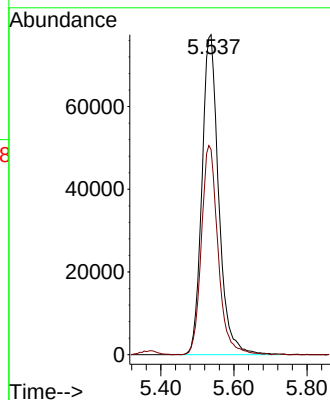
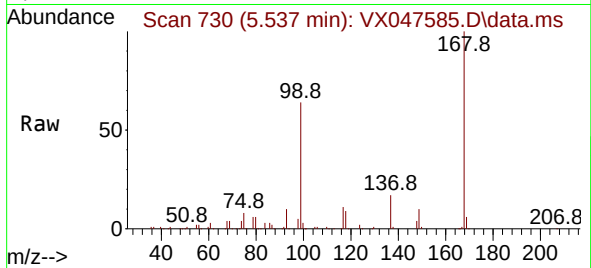




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

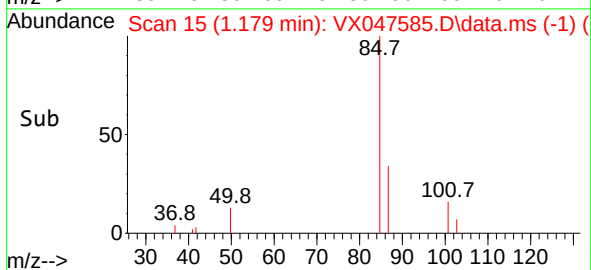
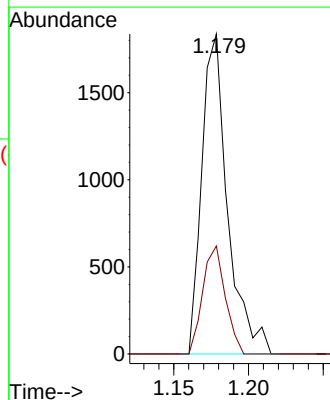
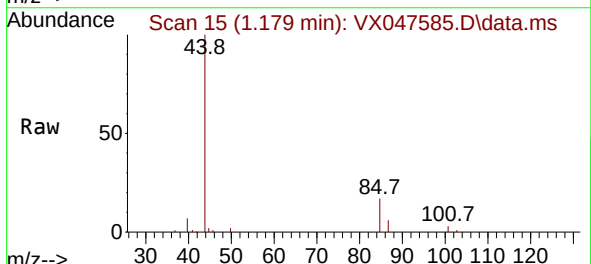
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

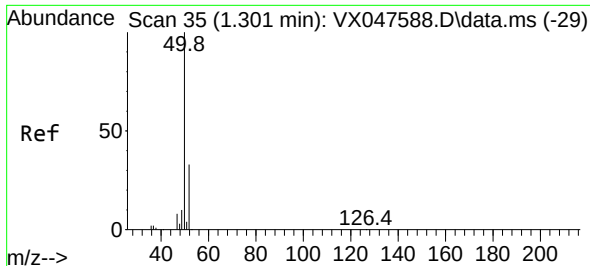
Tgt Ion:168 Resp: 246348
Ion Ratio Lower Upper
168 100
99 64.0 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.863 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 85 Resp: 2201
Ion Ratio Lower Upper
85 100
87 33.8 15.8 47.3

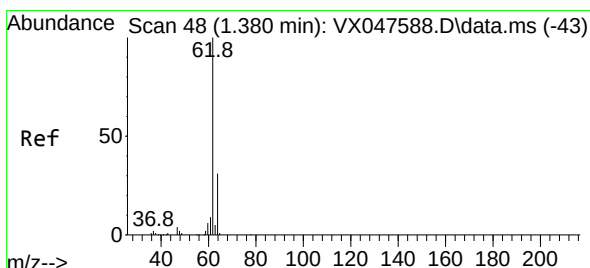
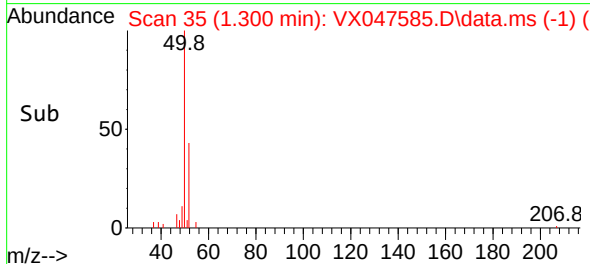
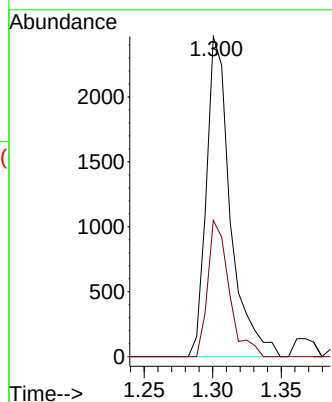
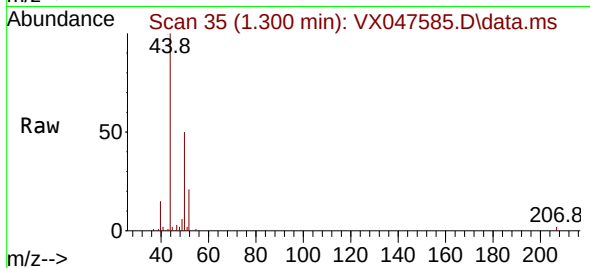




#3
Chloromethane
Concen: 0.897 ug/l
RT: 1.300 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

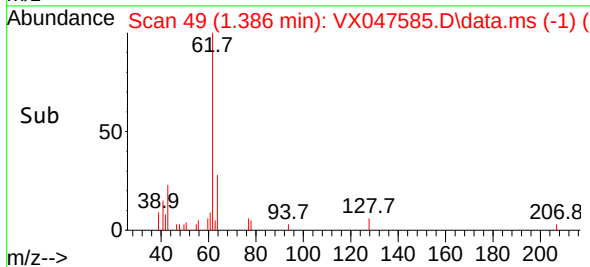
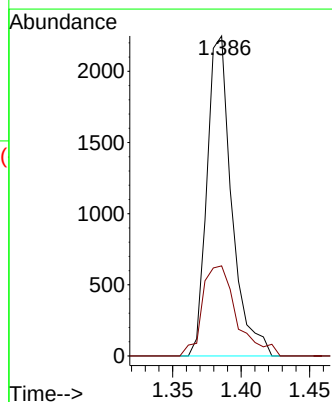
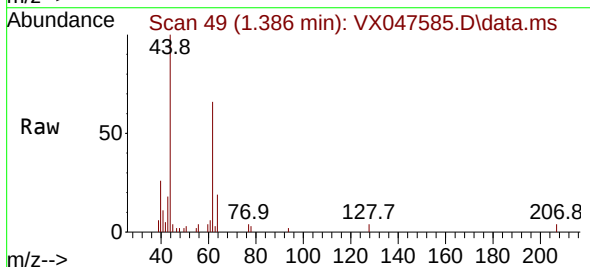
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

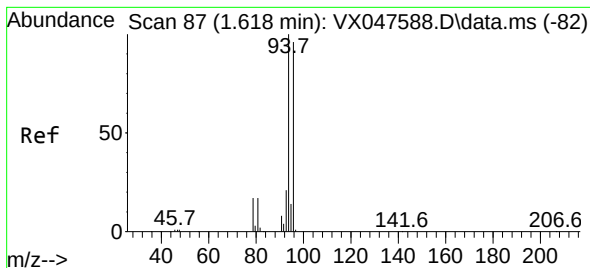
Tgt Ion: 50 Resp: 3006
Ion Ratio Lower Upper
50 100
52 42.6 26.1 39.1#



#4
Vinyl Chloride
Concen: 0.859 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 2818
Ion Ratio Lower Upper
62 100
64 28.2 24.9 37.3

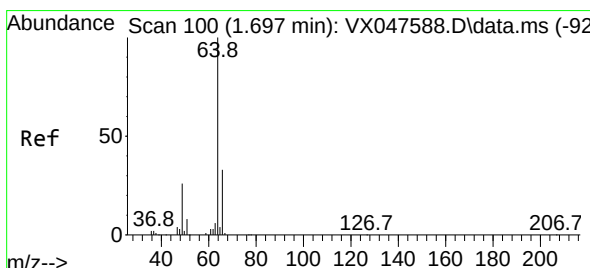
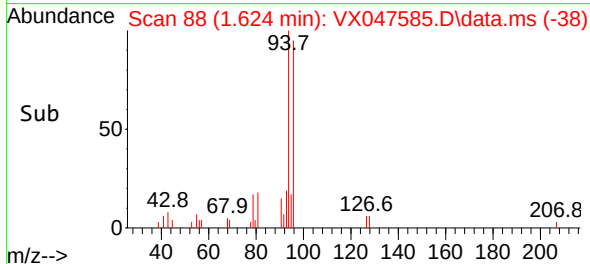
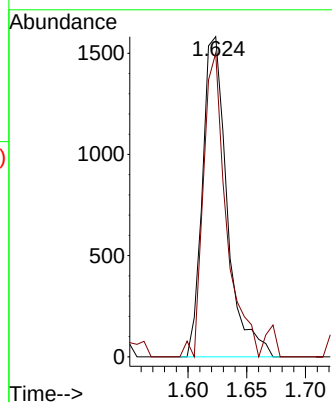
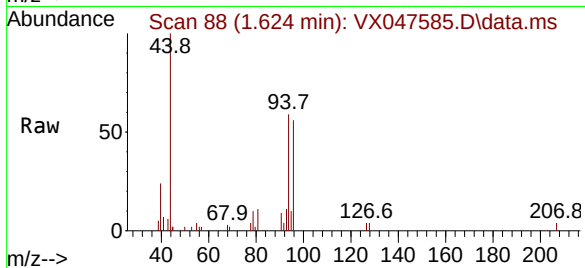




#5
Bromomethane
Concen: 1.107 ug/l
RT: 1.624 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

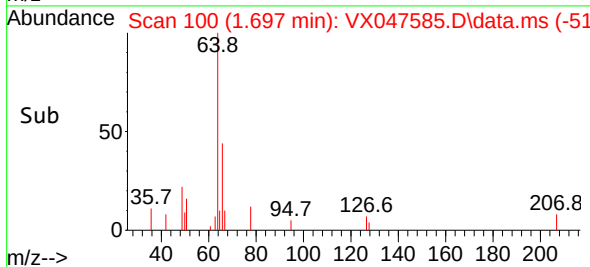
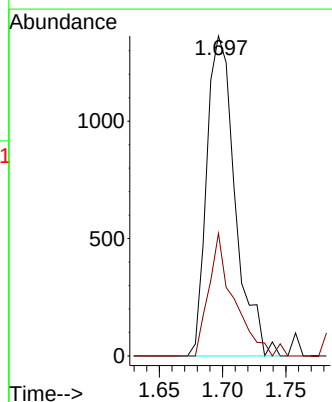
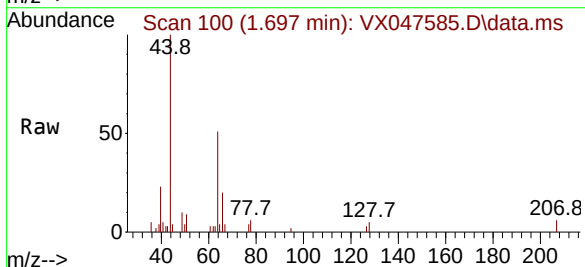
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

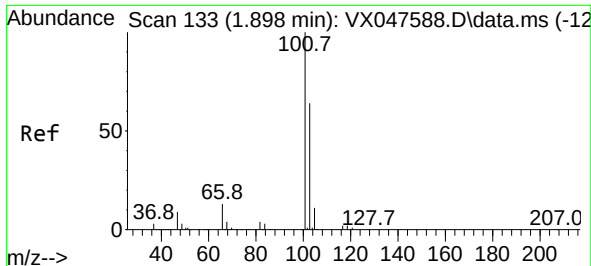
Tgt Ion: 94 Resp: 2304
Ion Ratio Lower Upper
94 100
96 94.9 76.6 115.0



#6
Chloroethane
Concen: 0.973 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 64 Resp: 2134
Ion Ratio Lower Upper
64 100
66 35.4 26.1 39.1

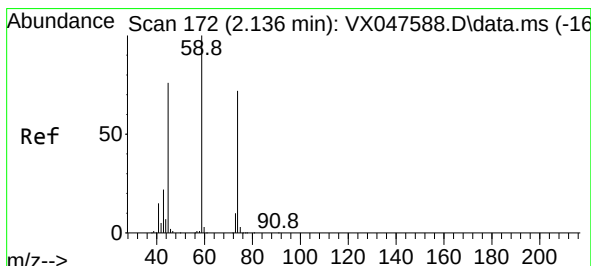
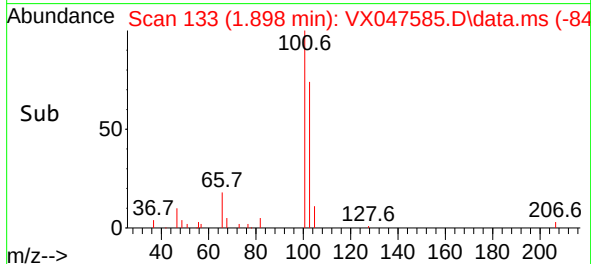
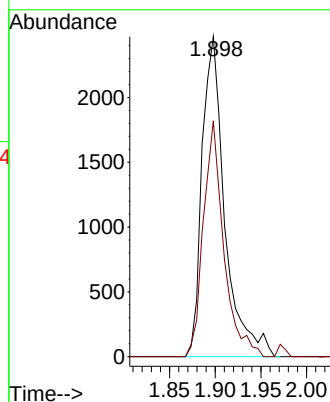
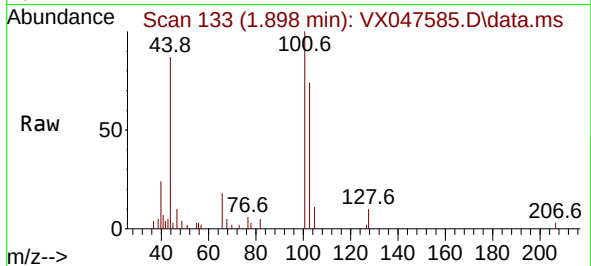




#7
 Trichlorofluoromethane
 Concen: 0.874 ug/l
 RT: 1.898 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047585.D
 Acq: 16 Sep 2025 09:23

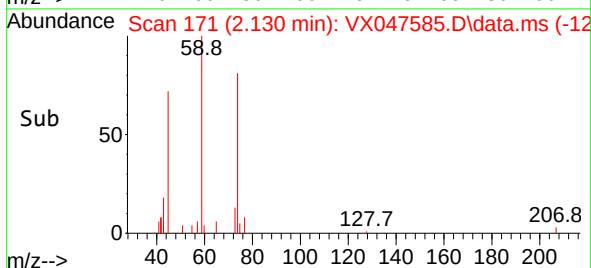
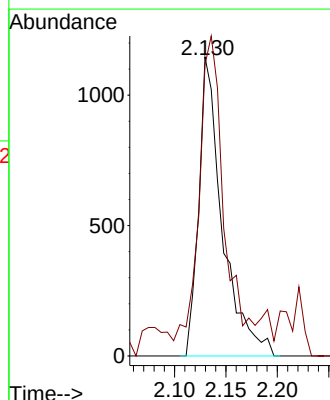
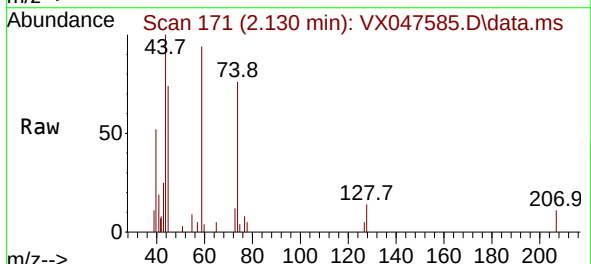
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

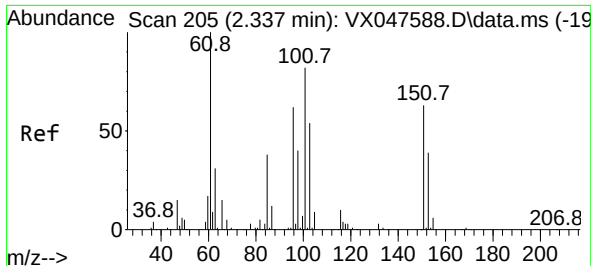
Tgt Ion:101 Resp: 4261
 Ion Ratio Lower Upper
 101 100
 103 73.7 51.4 77.2



#8
 Diethyl Ether
 Concen: 0.919 ug/l
 RT: 2.130 min Scan# 171
 Delta R.T. -0.006 min
 Lab File: VX047585.D
 Acq: 16 Sep 2025 09:23

Tgt Ion: 74 Resp: 1831
 Ion Ratio Lower Upper
 74 100
 45 102.2 52.3 156.8

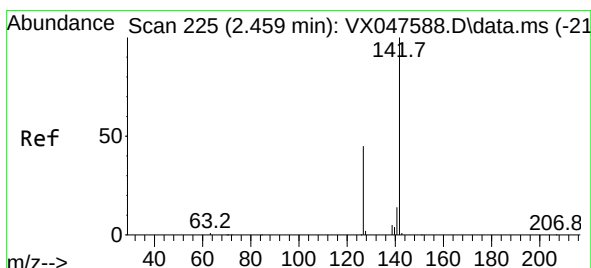
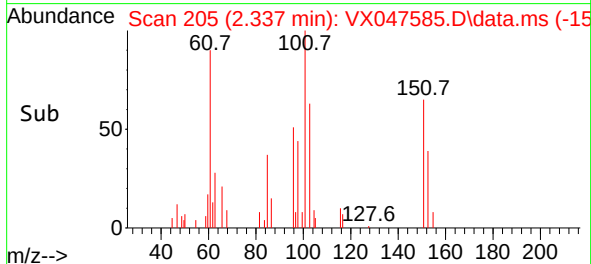
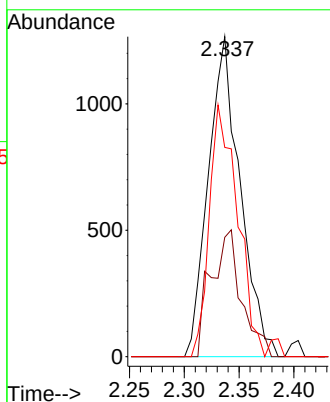
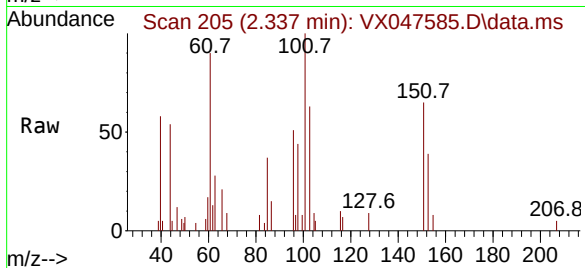




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.897 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

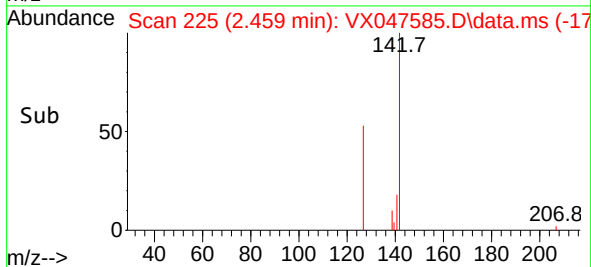
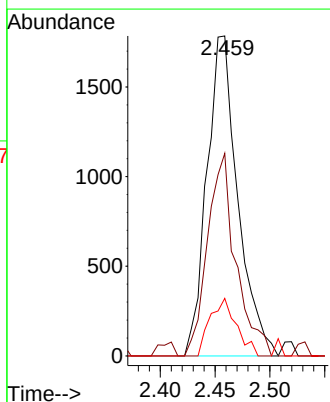
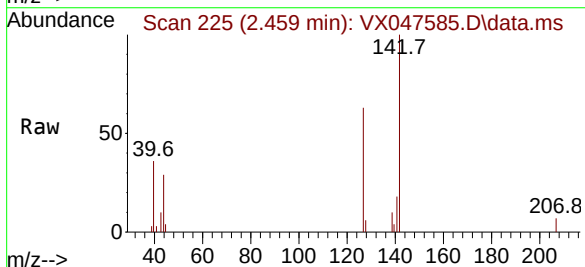
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

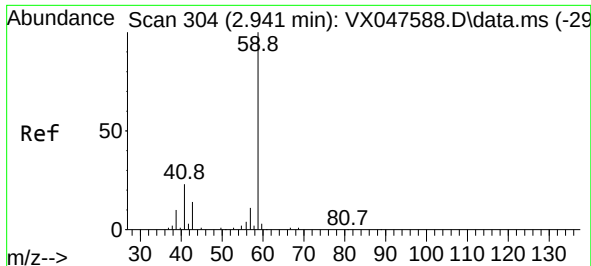
Tgt Ion:101	Resp:	2555
Ion Ratio	Lower	Upper
101	100	
85	37.8	35.5 53.3
151	69.9	59.4 89.0



#10
Methyl Iodide
Concen: 0.790 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:142	Resp:	3509
Ion Ratio	Lower	Upper
142	100	
127	57.7	37.2 55.8#
141	15.3	11.4 17.0

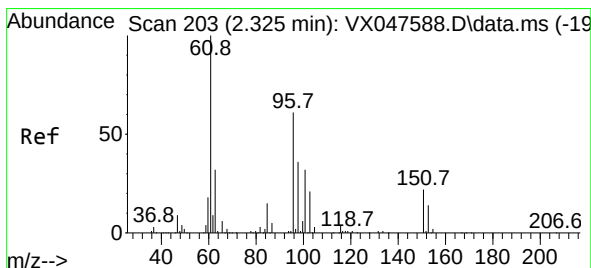
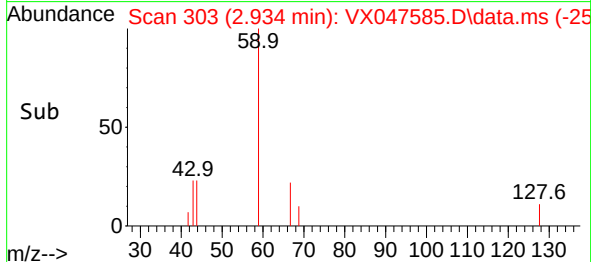
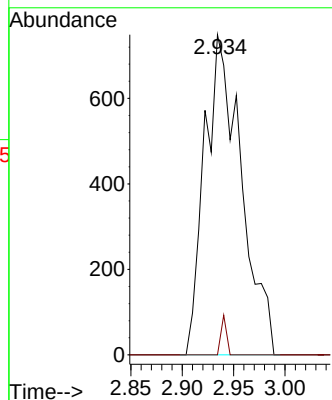
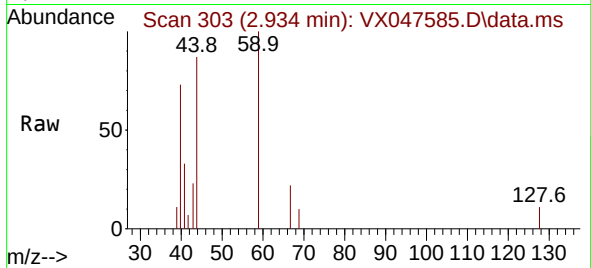




#11
Tert butyl alcohol
Concen: 4.236 ug/l
RT: 2.934 min Scan# 304
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

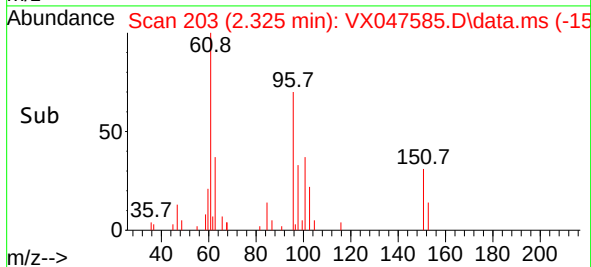
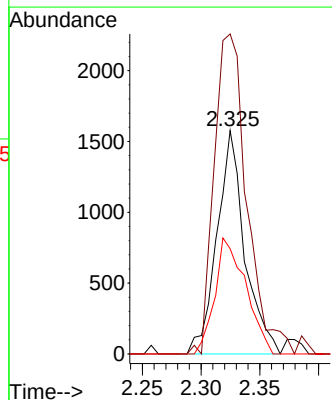
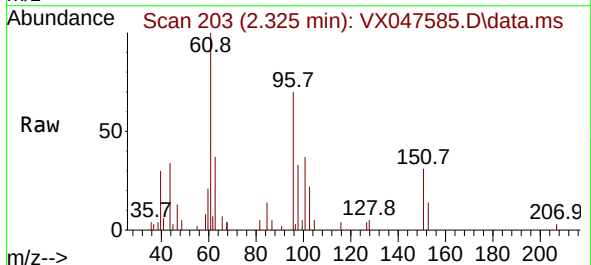
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

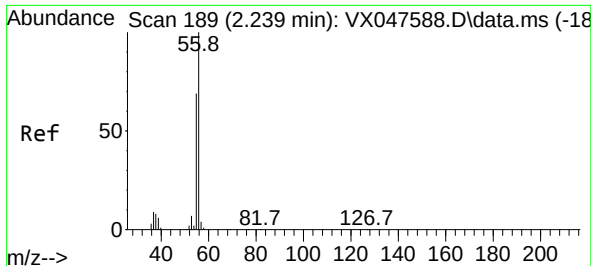
Tgt Ion: 59 Resp: 1850
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.886 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 2594
Ion Ratio Lower Upper
96 100
61 137.3 131.0 196.6
98 45.2 47.7 71.5#

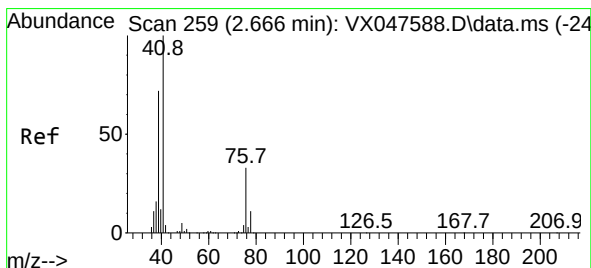
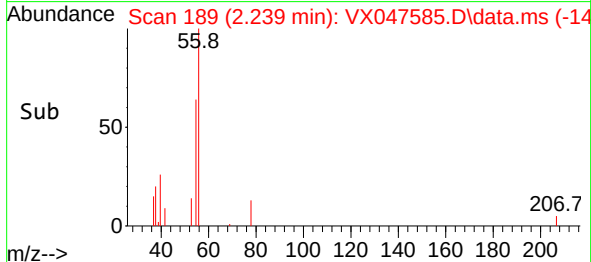
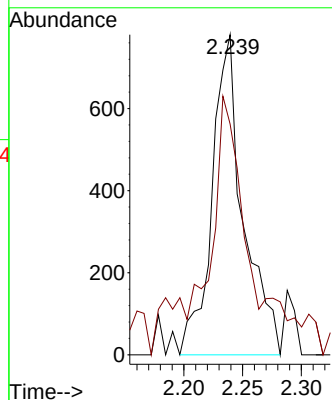
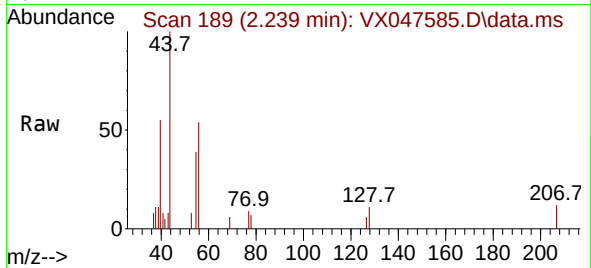




#13
Acrolein
Concen: 3.578 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

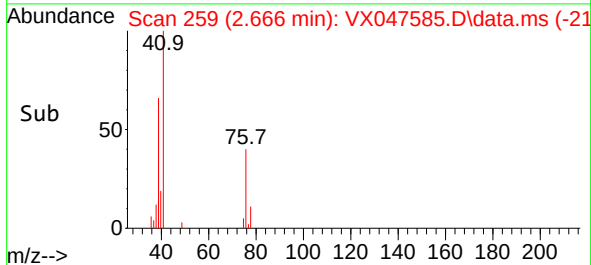
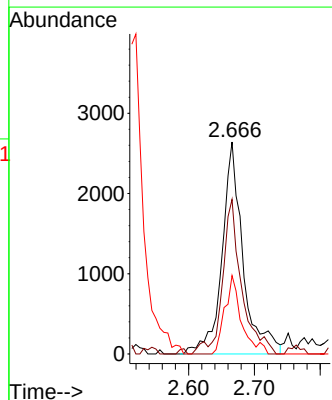
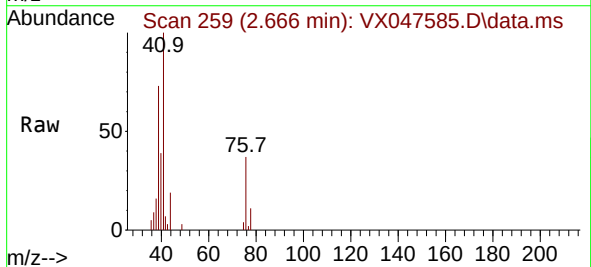
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

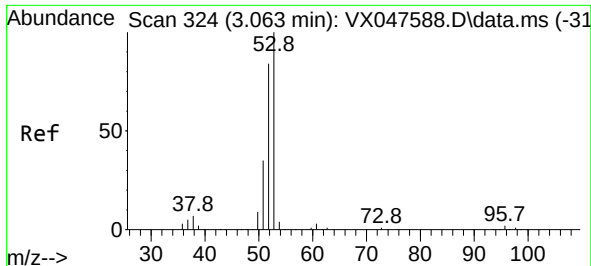
Tgt Ion: 56 Resp: 1440
Ion Ratio Lower Upper
56 100
55 100.3 57.2 85.8#



#14
Allyl chloride
Concen: 0.974 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 5885
Ion Ratio Lower Upper
41 100
39 63.3 54.7 82.1
76 29.3 25.7 38.5

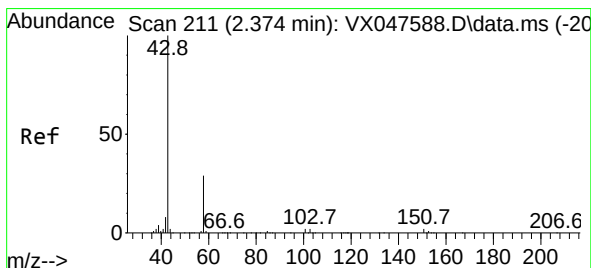
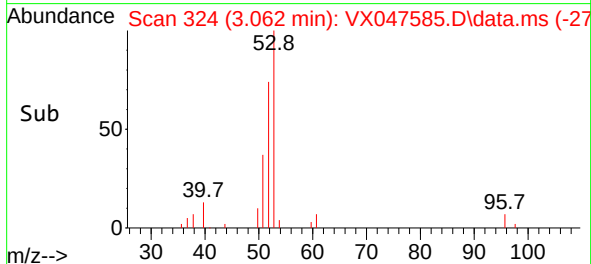
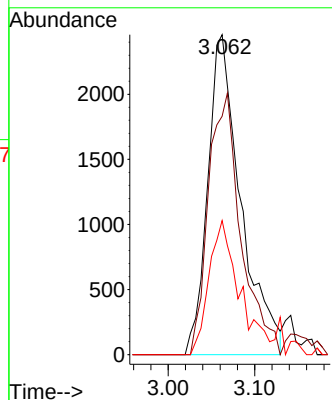
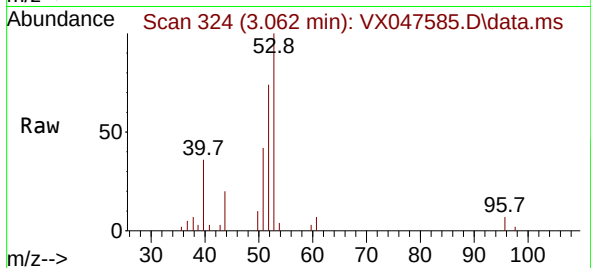




#15
Acrylonitrile
Concen: 4.018 ug/l
RT: 3.062 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

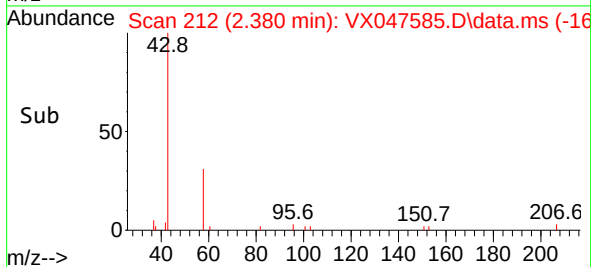
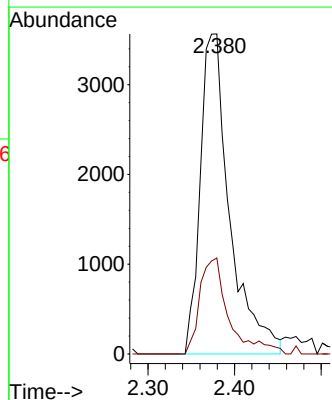
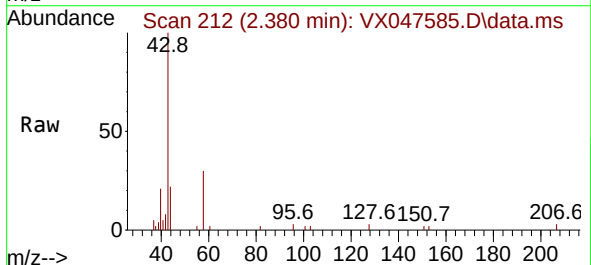
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

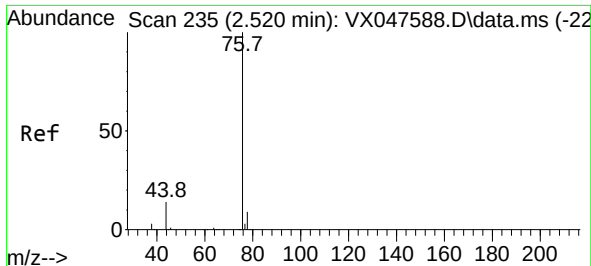
Tgt Ion:	53	Resp:	6500
Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.4	99.6
51	38.7	29.5	44.3



#16
Acetone
Concen: 4.953 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:	43	Resp:	8444
Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0

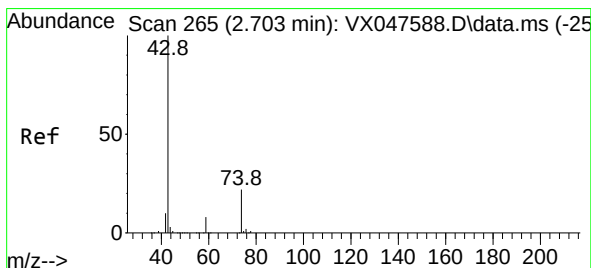
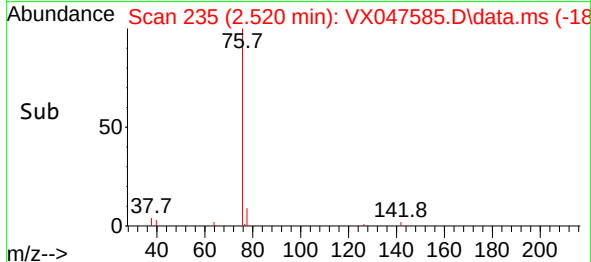
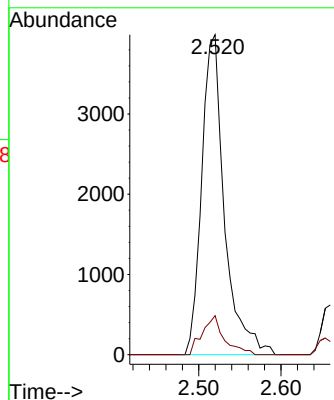
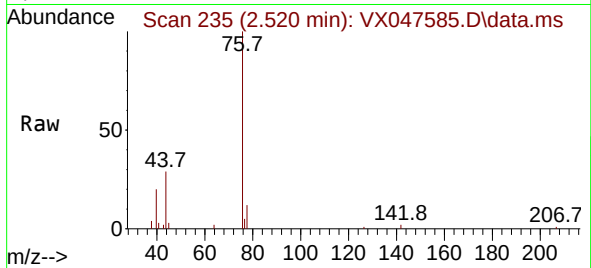




#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.520 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

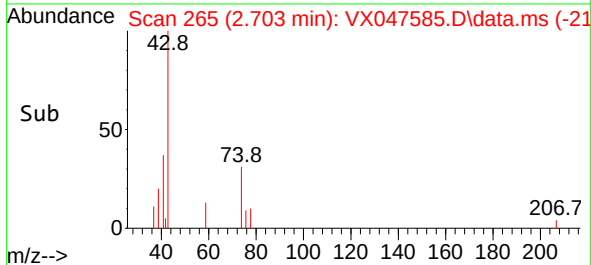
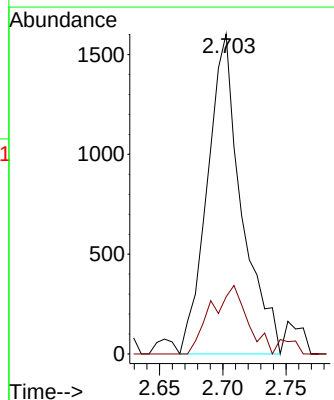
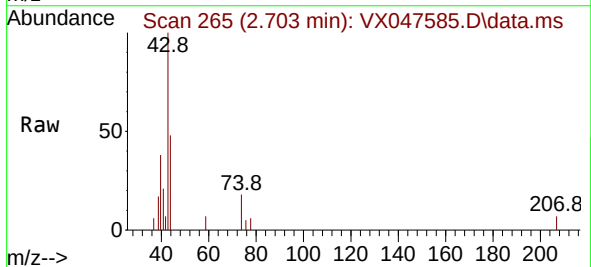
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

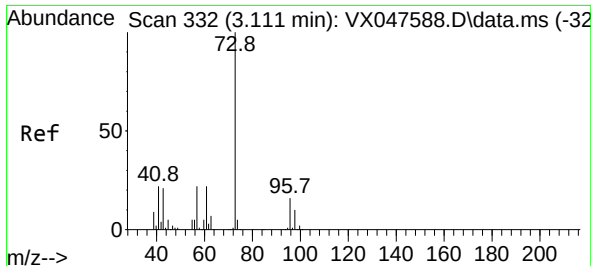
Tgt Ion: 76 Resp: 7662
Ion Ratio Lower Upper
76 100
78 11.6 6.8 10.2#



#18
Methyl Acetate
Concen: 0.794 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3013
Ion Ratio Lower Upper
43 100
74 22.7 17.4 26.2

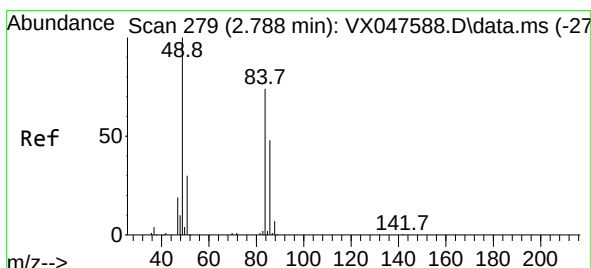
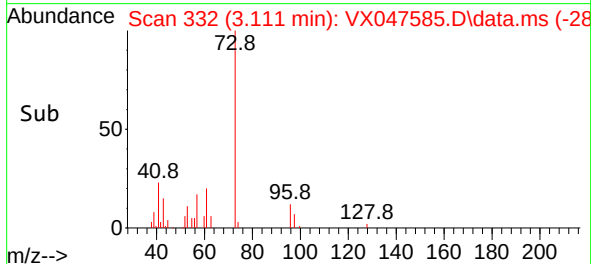
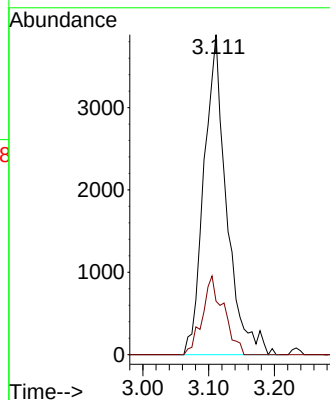
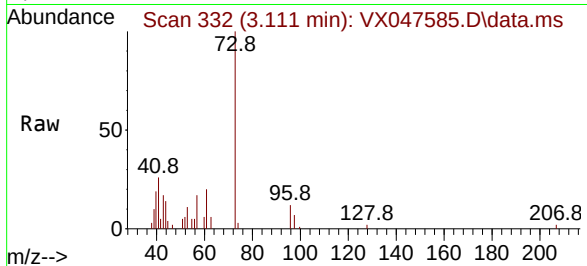




#19
Methyl tert-butyl Ether
Concen: 0.869 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

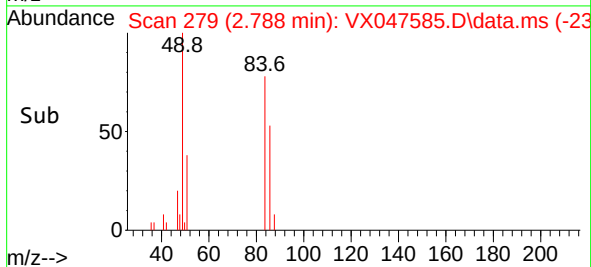
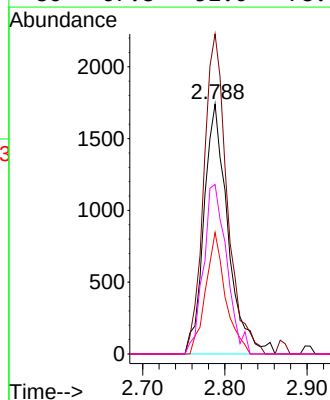
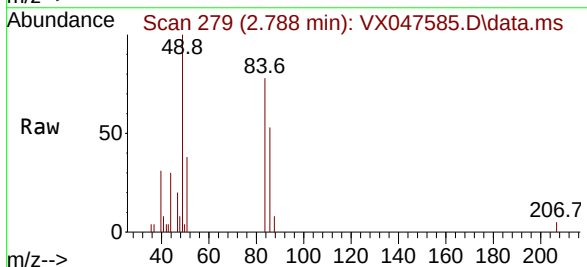
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

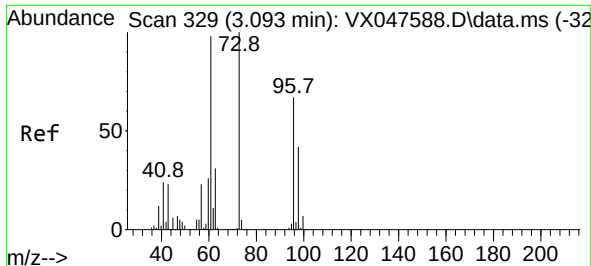
Tgt Ion: 73 Resp: 9281
Ion Ratio Lower Upper
73 100
57 16.7 17.4 26.2#



#20
Methylene Chloride
Concen: 0.981 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 84 Resp: 3540
Ion Ratio Lower Upper
84 100
49 128.0 108.6 162.8
51 48.6 32.6 48.8
86 67.8 52.0 78.0

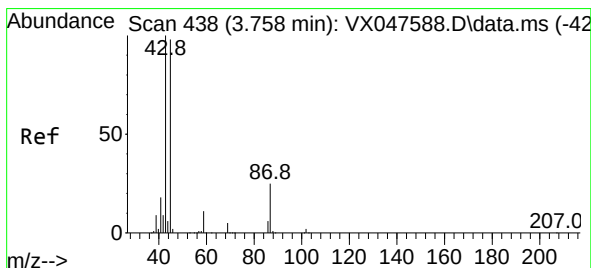
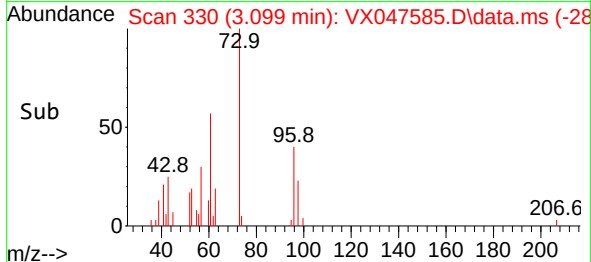
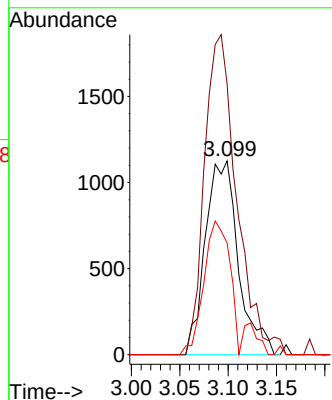
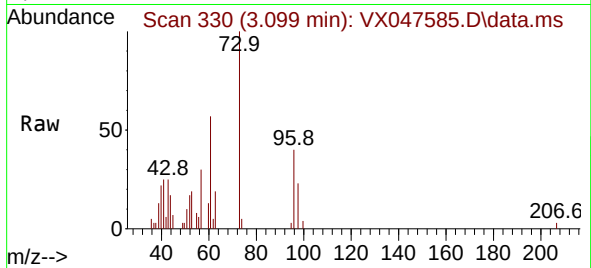




#21
trans-1,2-Dichloroethene
Concen: 0.849 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

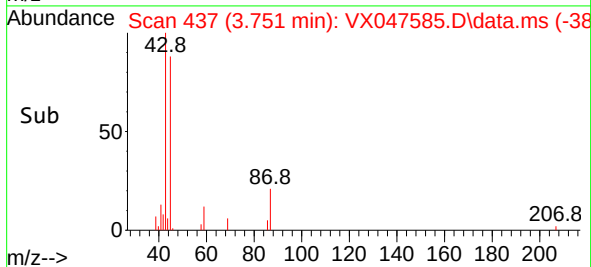
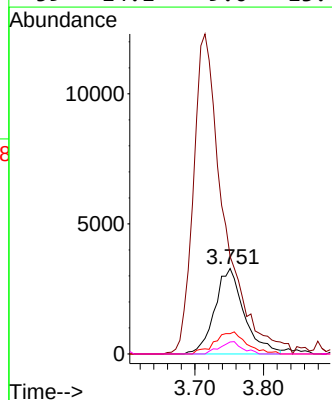
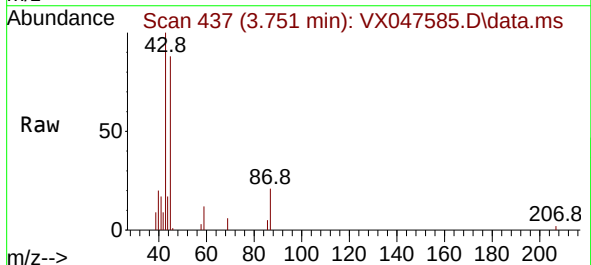
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

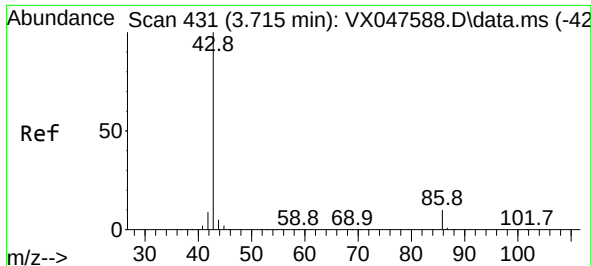
Tgt Ion: 96 Resp: 2676
Ion Ratio Lower Upper
96 100
61 139.9 116.2 174.2
98 57.6 49.3 73.9



#22
Diisopropyl ether
Concen: 0.832 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 45 Resp: 9738
Ion Ratio Lower Upper
45 100
43 117.9 81.0 121.4
87 23.7 20.3 30.5
59 14.1 9.0 13.4#

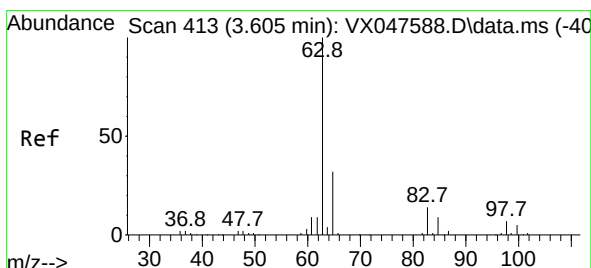
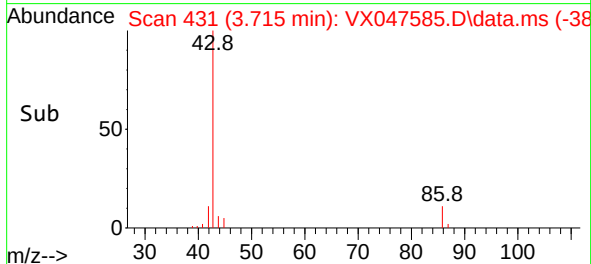
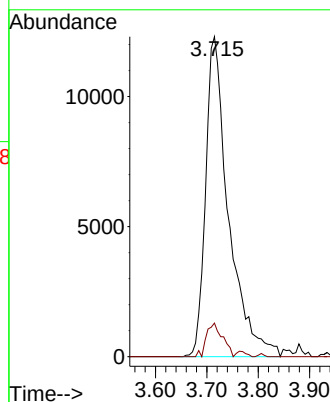
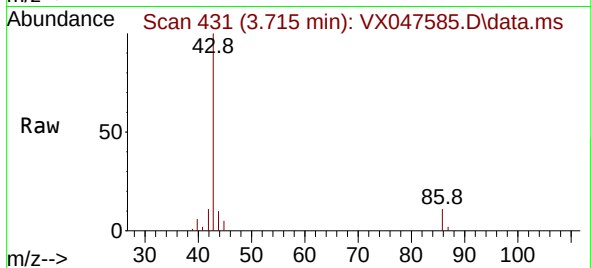




#23
 Vinyl Acetate
 Concen: 4.052 ug/l
 RT: 3.715 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX047585.D
 Acq: 16 Sep 2025 09:23

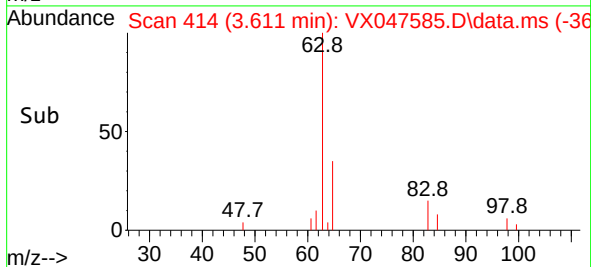
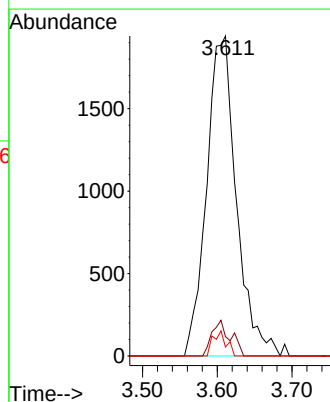
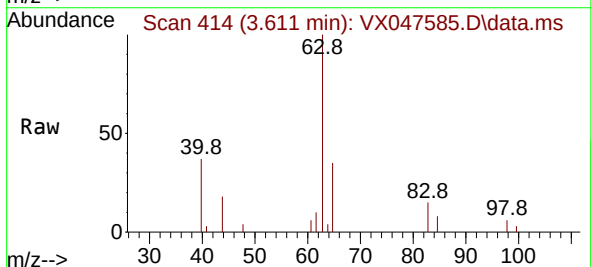
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

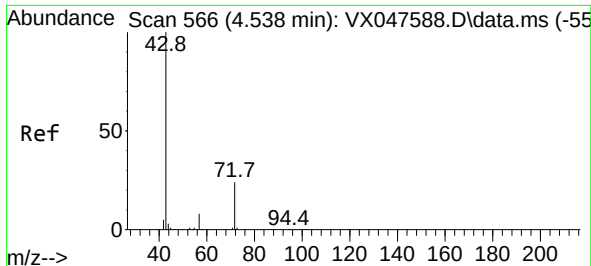
Tgt Ion: 43 Resp: 37962
 Ion Ratio Lower Upper
 43 100
 86 10.9 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 0.863 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.006 min
 Lab File: VX047585.D
 Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 5372
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.8 11.2
 100 2.8 2.3 6.9

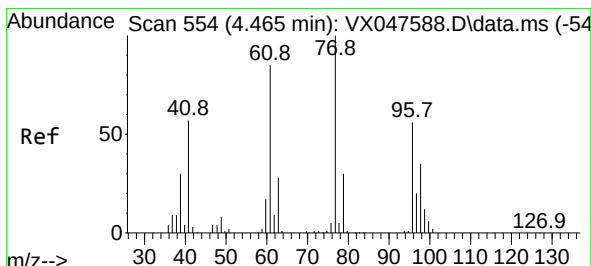
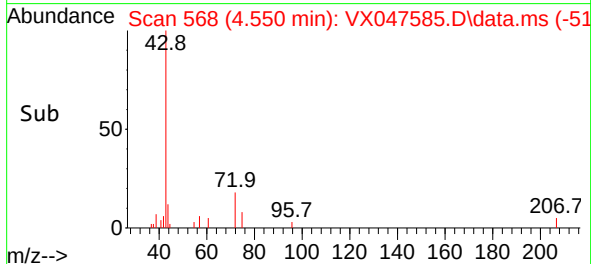
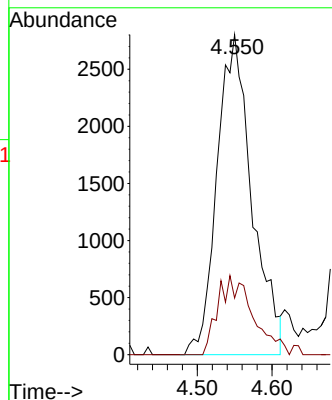
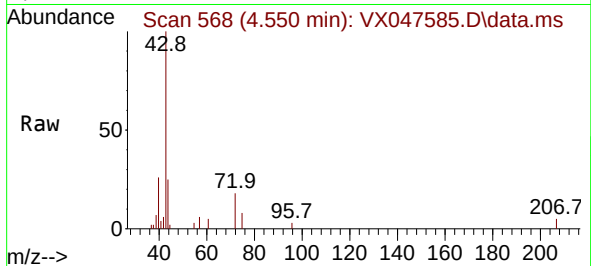




#25
2-Butanone
Concen: 4.281 ug/l
RT: 4.550 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

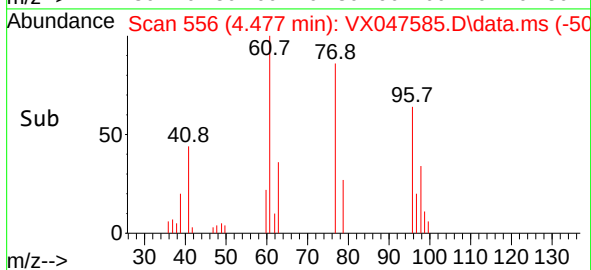
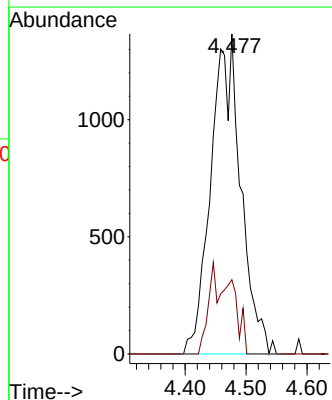
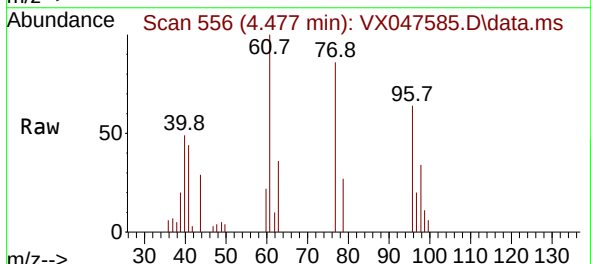
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

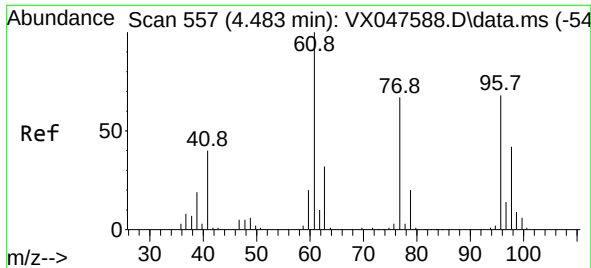
Tgt Ion: 43 Resp: 9105
Ion Ratio Lower Upper
43 100
72 16.3 20.1 30.1#



#26
2,2-Dichloropropane
Concen: 0.901 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 77 Resp: 4657
Ion Ratio Lower Upper
77 100
97 11.0 10.9 32.7

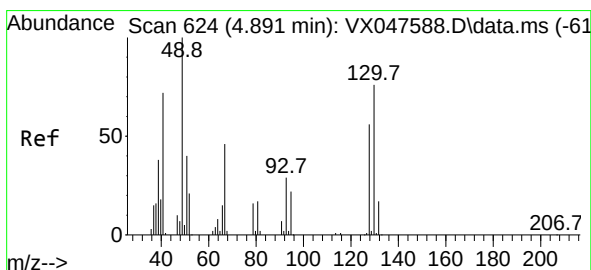
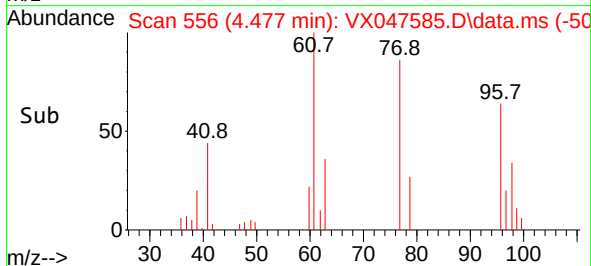
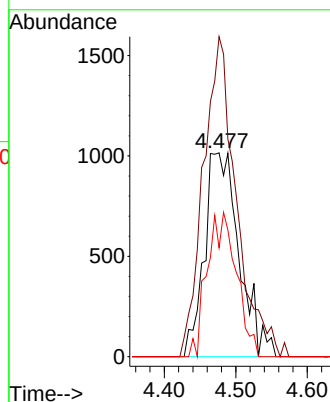
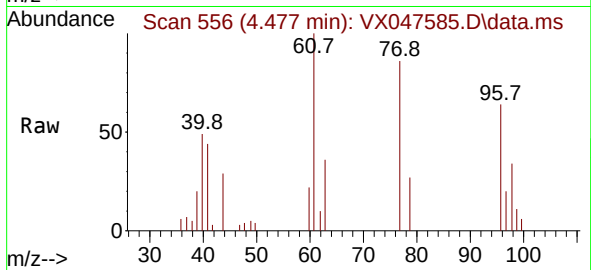




#27
cis-1,2-Dichloroethene
Concen: 0.891 ug/l
RT: 4.477 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

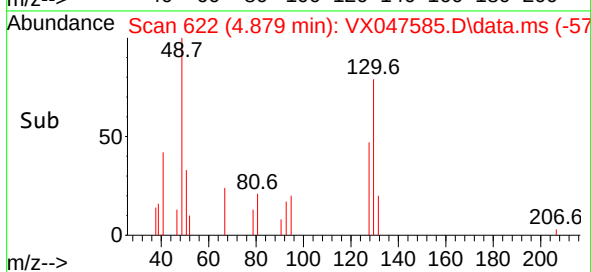
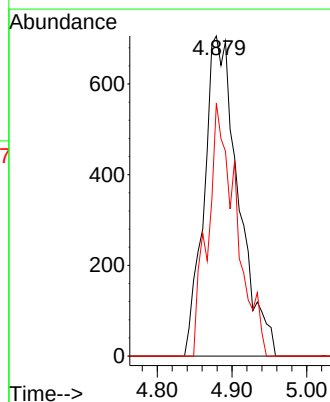
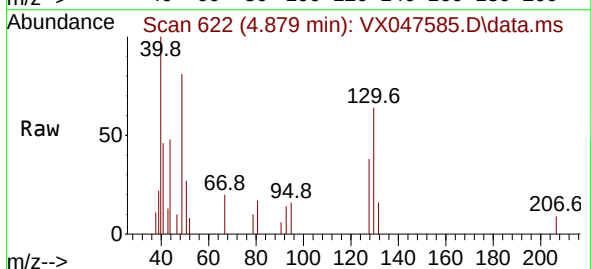
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

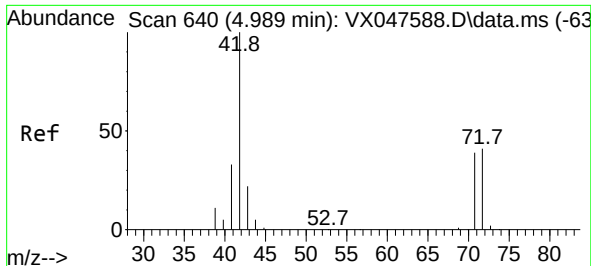
Tgt Ion:	96	Resp:	3440
Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	303.2
98	59.4	0.0	127.8



#28
Bromochloromethane
Concen: 0.829 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:	49	Resp:	2251
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	66.2	57.8	86.8





#29

Tetrahydrofuran

Concen: 4.072 ug/l

RT: 4.995 min Scan# 641

Delta R.T. 0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

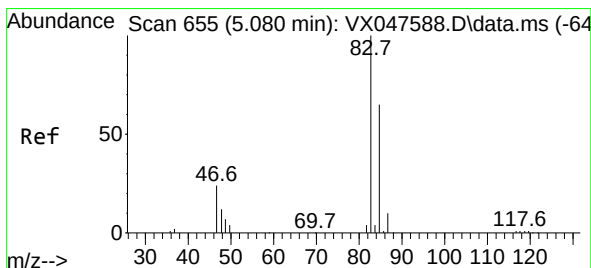
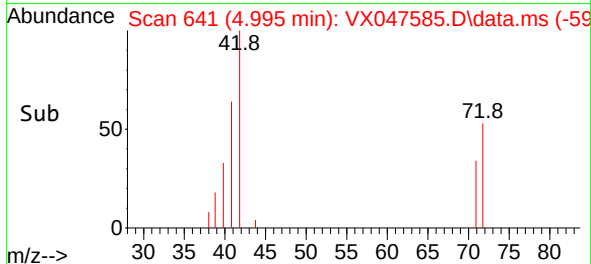
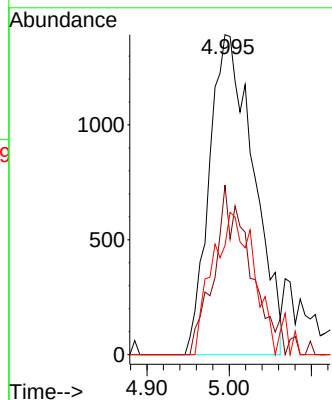
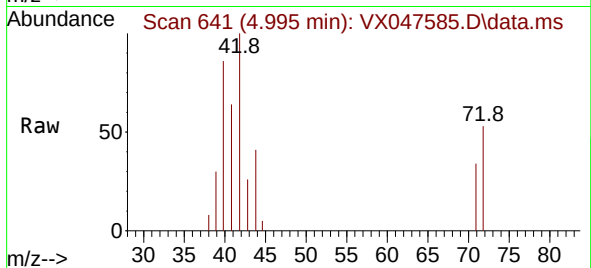
Tgt Ion: 42 Resp: 5210

Ion Ratio Lower Upper

42 100

72 44.1 34.2 51.2

71 41.3 31.9 47.9



#30

Chloroform

Concen: 0.810 ug/l

RT: 5.074 min Scan# 654

Delta R.T. -0.006 min

Lab File: VX047585.D

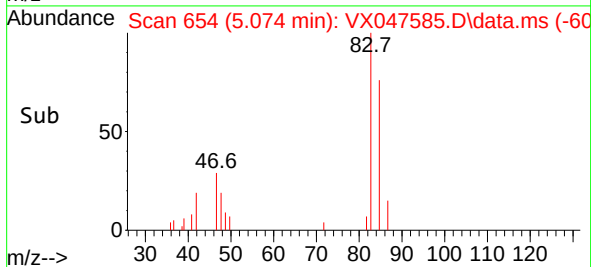
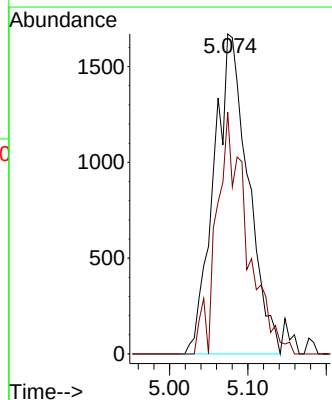
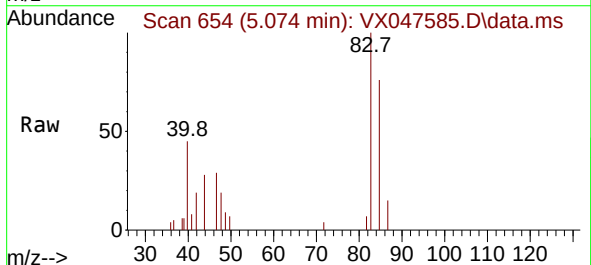
Acq: 16 Sep 2025 09:23

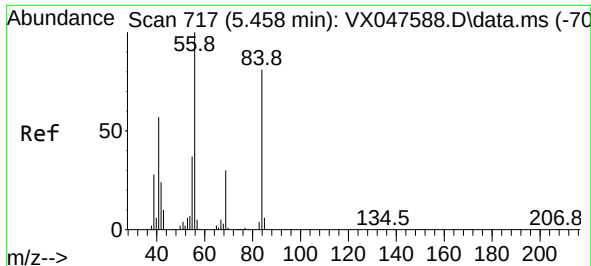
Tgt Ion: 83 Resp: 5093

Ion Ratio Lower Upper

83 100

85 75.6 51.8 77.6

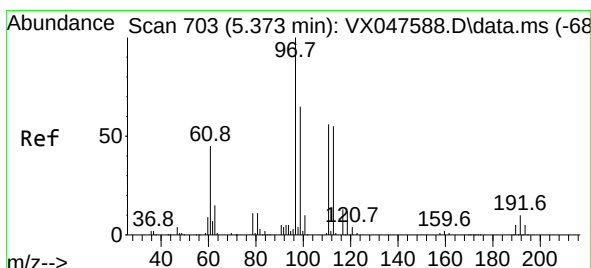
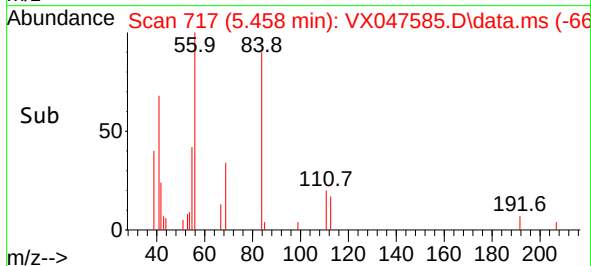
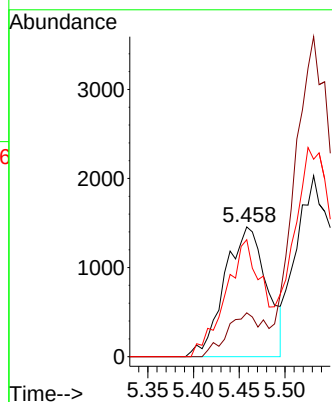
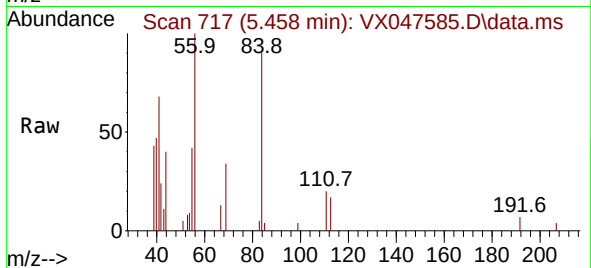




#31
Cyclohexane
Concen: 0.901 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

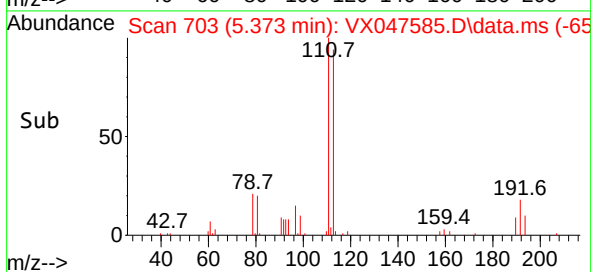
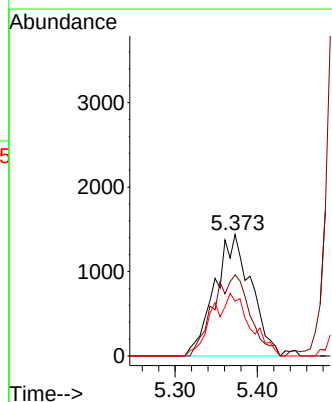
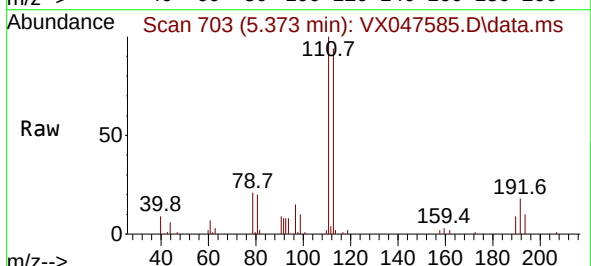
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

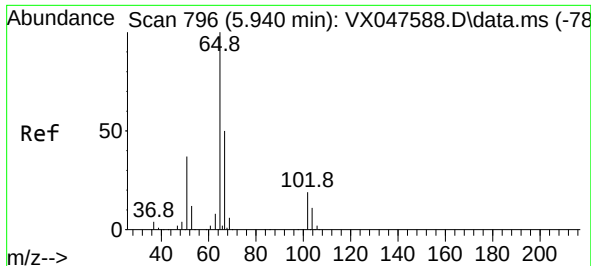
Tgt Ion:	56	Resp:	4668
Ion Ratio	Lower	Upper	
56	100		
69	33.8	23.8	35.8
84	90.0	64.6	97.0



#32
1,1,1-Trichloroethane
Concen: 0.832 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:	97	Resp:	4439
Ion Ratio	Lower	Upper	
97	100		
99	0.0	50.6	76.0#
61	36.2	35.8	53.8

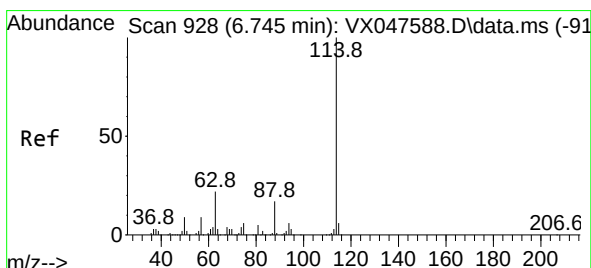
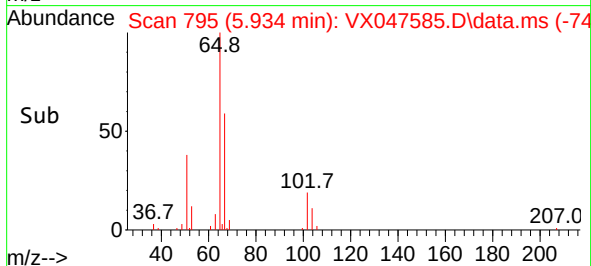
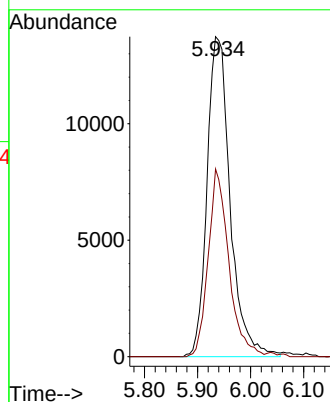
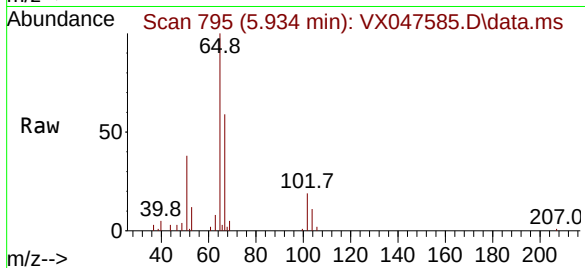




#33
1,2-Dichloroethane-d4
Concen: 10.583 ug/l
RT: 5.934 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

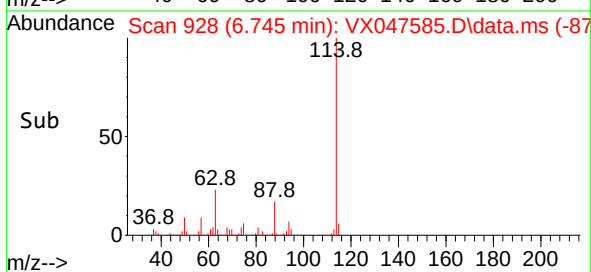
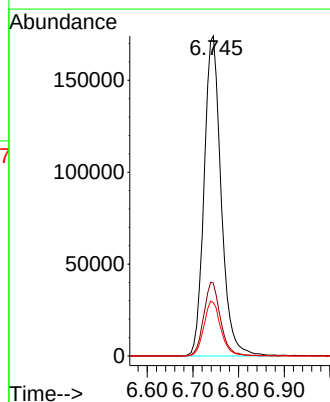
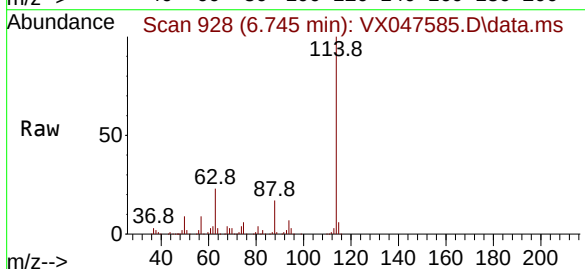
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

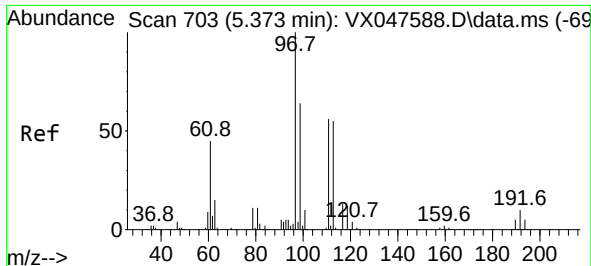
Tgt Ion: 65 Resp: 41500
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 114 Resp: 451502
Ion Ratio Lower Upper
114 100
63 22.8 0.0 44.0
88 16.6 0.0 34.2

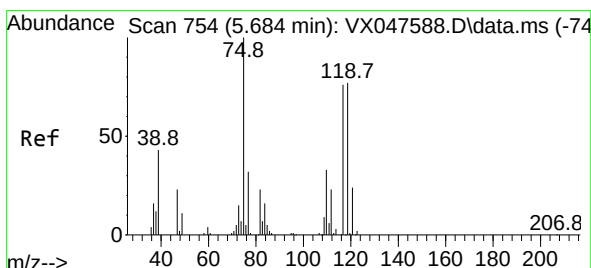
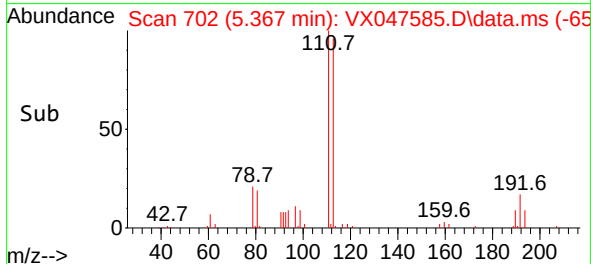
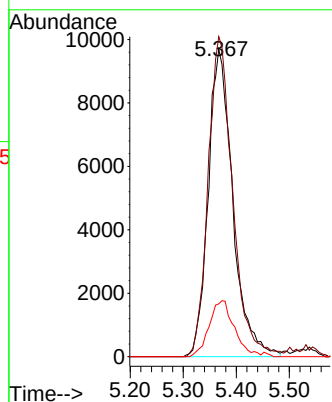
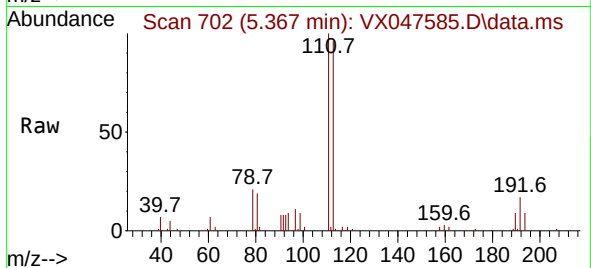




#35
Dibromofluoromethane
Concen: 10.300 ug/l
RT: 5.367 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

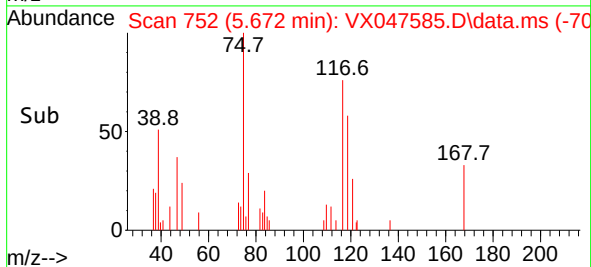
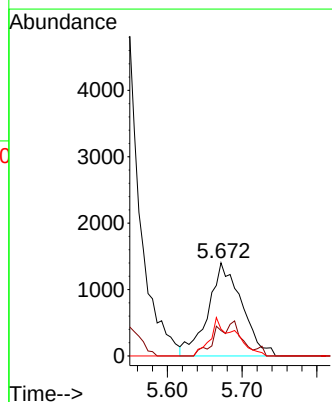
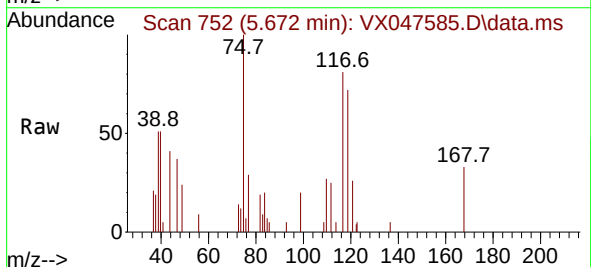
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

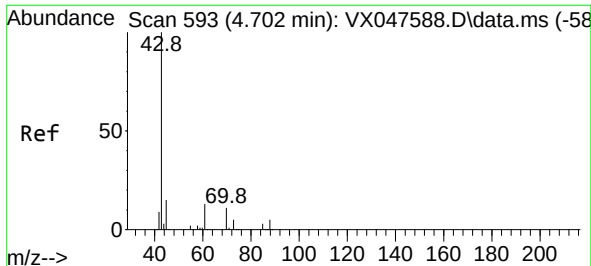
Tgt Ion:113 Resp: 31188
Ion Ratio Lower Upper
113 100
111 103.7 80.9 121.3
192 18.6 14.2 21.4



#36
1,1-Dichloropropene
Concen: 0.988 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4373
Ion Ratio Lower Upper
75 100
110 0.0 16.7 50.1#
77 30.0 24.3 36.5





#37

Ethyl Acetate

Concen: 0.818 ug/l

RT: 4.702 min Scan# 593

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

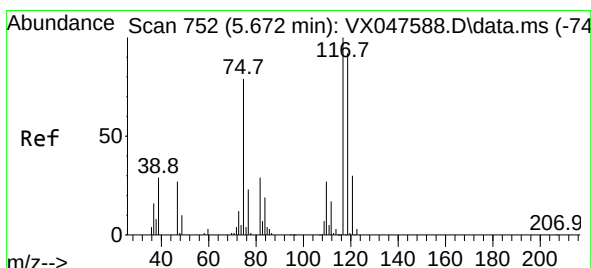
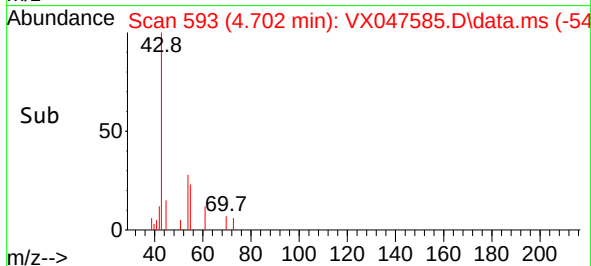
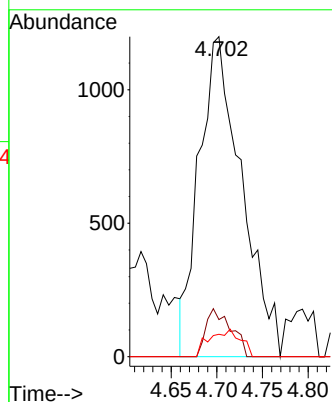
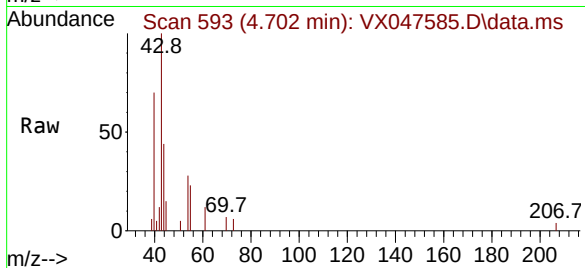
Tgt Ion: 43 Resp: 3873

Ion Ratio Lower Upper

43 100

61 8.9 9.8 14.8#

70 6.2 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 0.905 ug/l

RT: 5.659 min Scan# 750

Delta R.T. -0.012 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

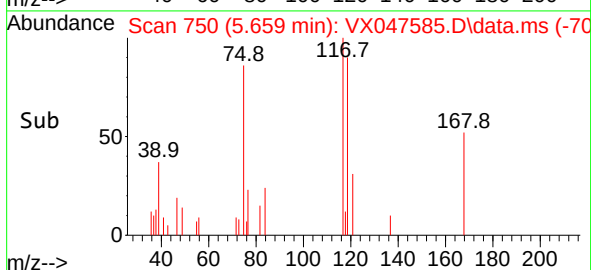
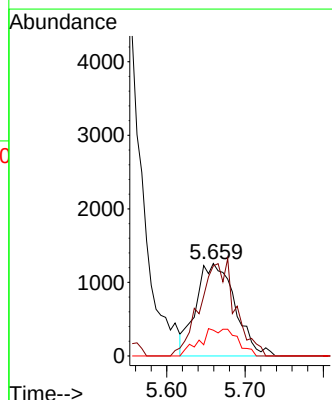
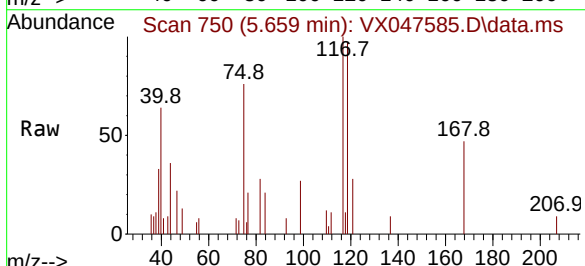
Tgt Ion: 117 Resp: 4349

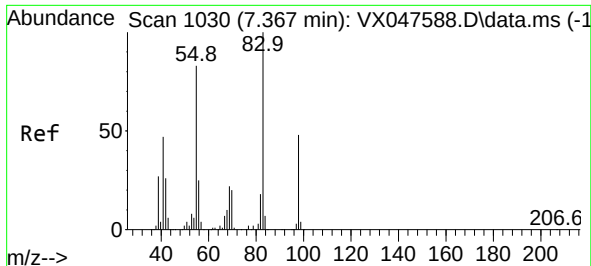
Ion Ratio Lower Upper

117 100

119 97.3 73.4 110.2

121 27.8 23.8 35.6





#39

Methylcyclohexane

Concen: 0.882 ug/l

RT: 7.360 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

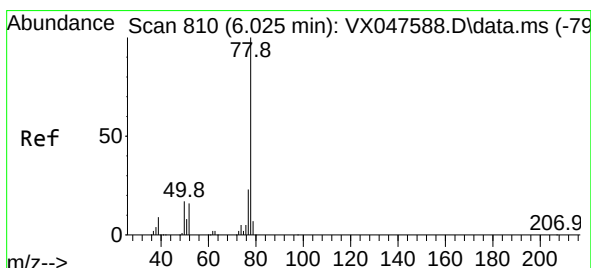
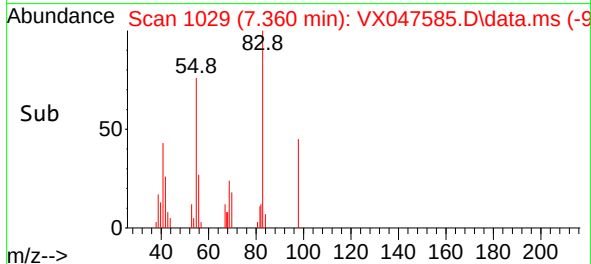
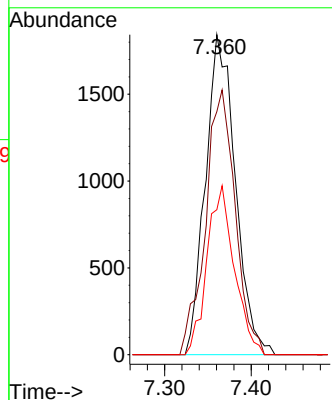
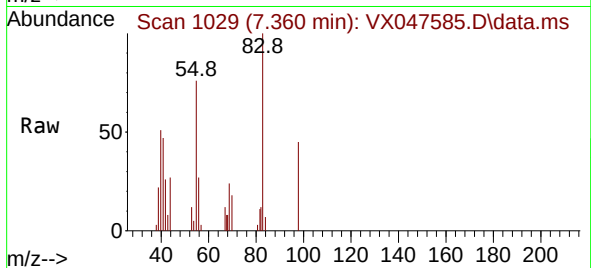
Tgt Ion: 83 Resp: 4428

Ion Ratio Lower Upper

83 100

55 76.0 66.4 99.6

98 45.3 38.1 57.1



#40

Benzene

Concen: 0.894 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX047585.D

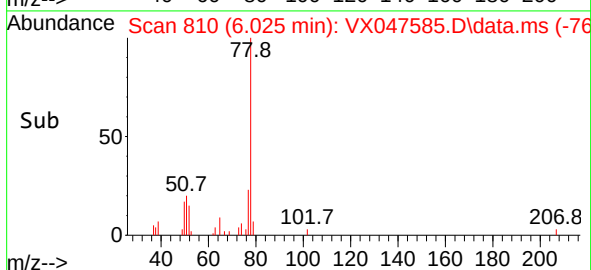
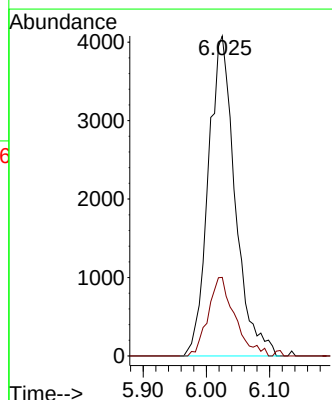
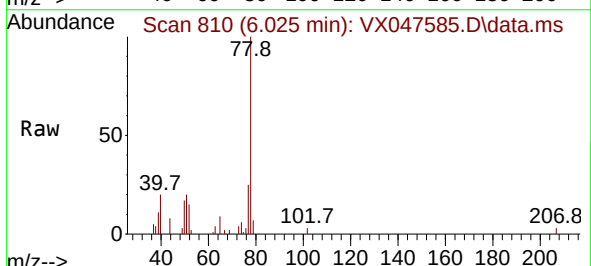
Acq: 16 Sep 2025 09:23

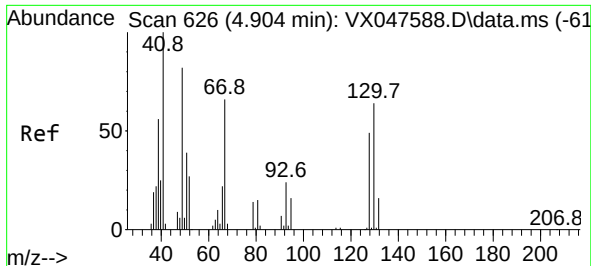
Tgt Ion: 78 Resp: 12012

Ion Ratio Lower Upper

78 100

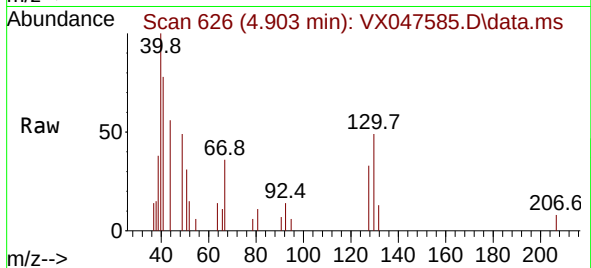
77 24.5 18.8 28.2



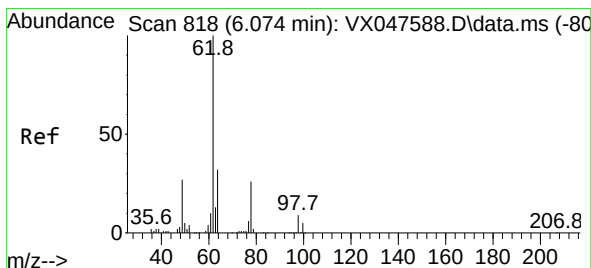
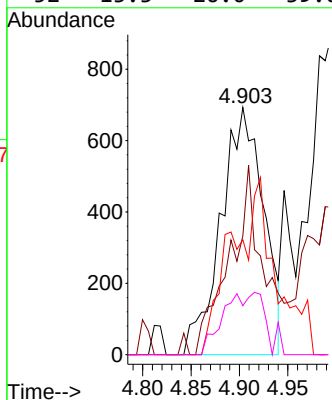
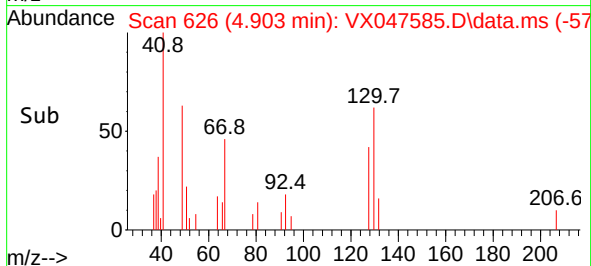


#41
Methacrylonitrile
Concen: 0.870 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

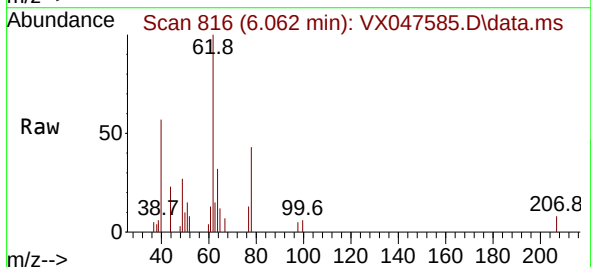
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



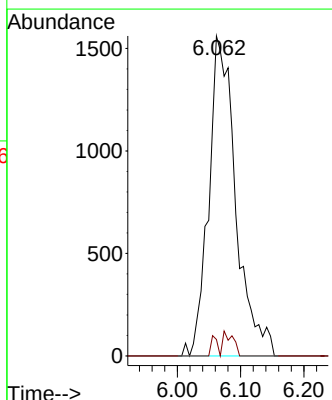
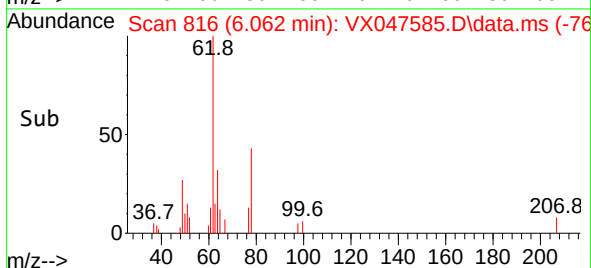
Tgt Ion:	41	Resp:	2128
Ion	Ratio	Lower	Upper
41	100		
39	60.3	43.3	64.9
67	23.5	58.6	87.8#
52	13.3	26.0	39.0#

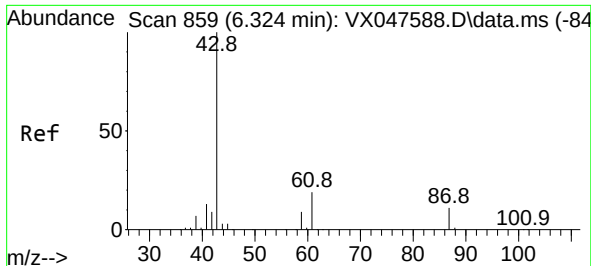


#42
1,2-Dichloroethane
Concen: 0.906 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23



Tgt Ion:	62	Resp:	4634
Ion	Ratio	Lower	Upper
62	100		
98	1.4	0.0	17.0

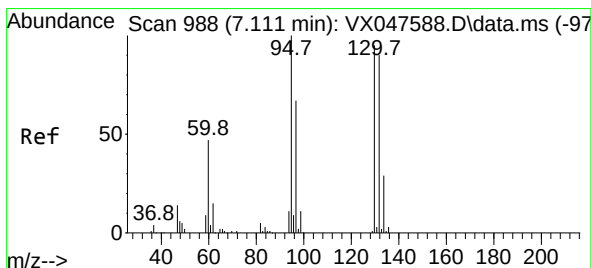
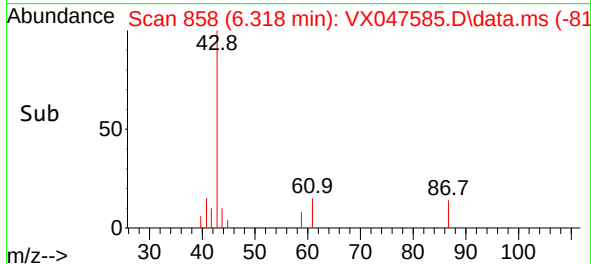
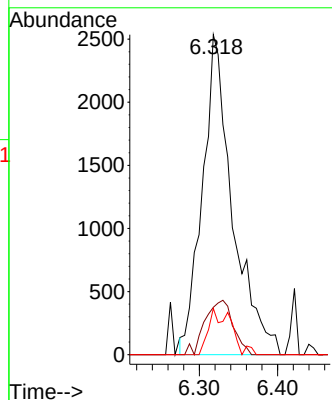
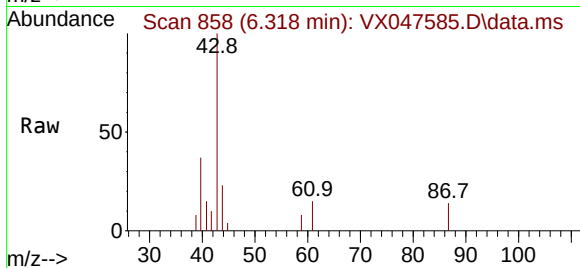




#43
Isopropyl Acetate
Concen: 0.873 ug/l
RT: 6.318 min Scan# 859
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

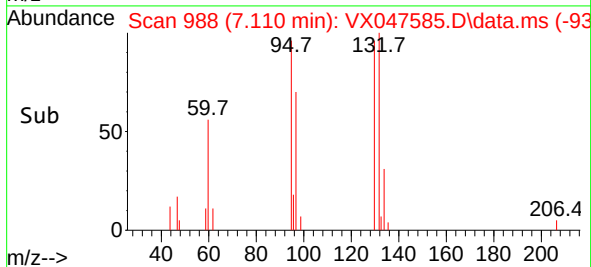
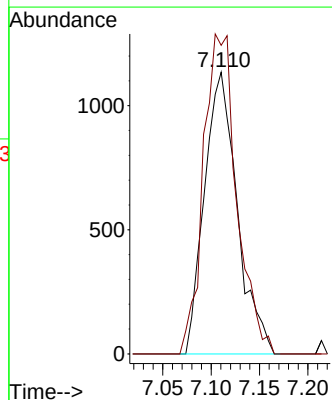
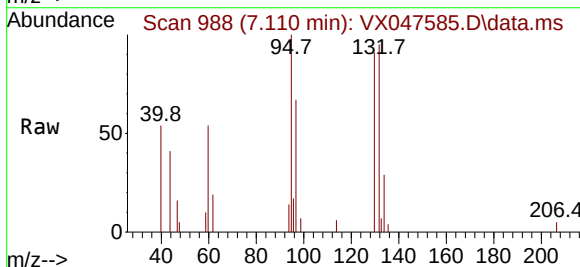
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

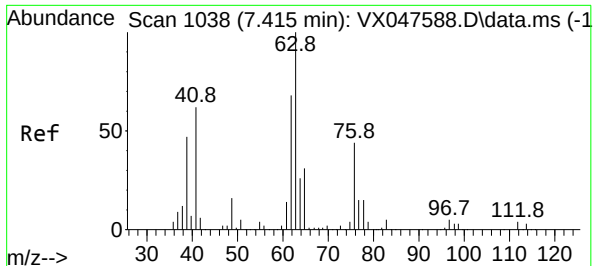
Tgt Ion:	43	Resp:	6784
Ion	Ratio	Lower	Upper
43	100		
61	15.9	15.2	22.8
87	10.1	9.6	14.4



#44
Trichloroethene
Concen: 0.824 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:	130	Resp:	2677
Ion	Ratio	Lower	Upper
130	100		
95	127.9	0.0	210.8





#45

1,2-Dichloropropane

Concen: 0.856 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

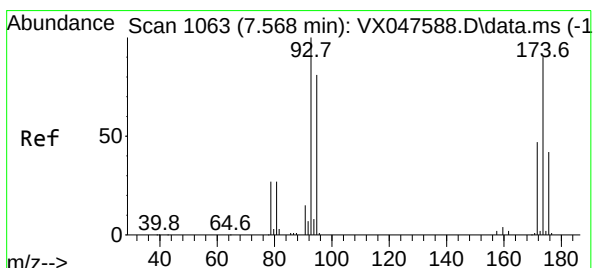
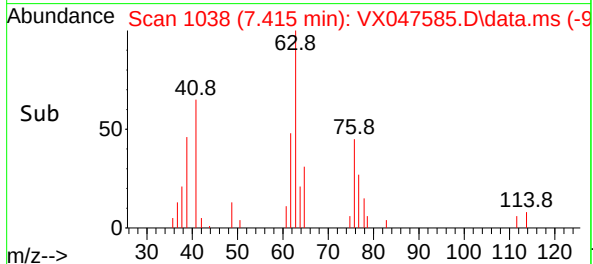
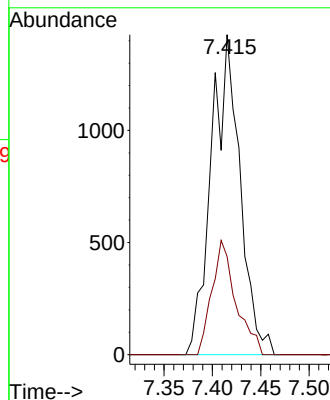
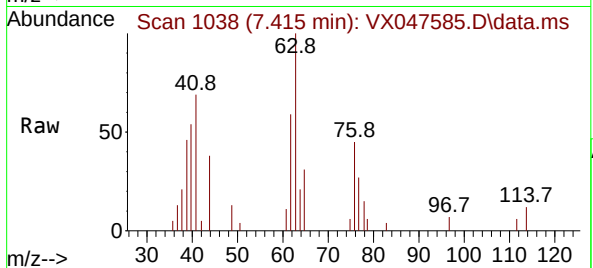
VSTDIC001

Tgt Ion: 63 Resp: 2945

Ion Ratio Lower Upper

63 100

65 30.7 24.7 37.1



#46

Dibromomethane

Concen: 0.895 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

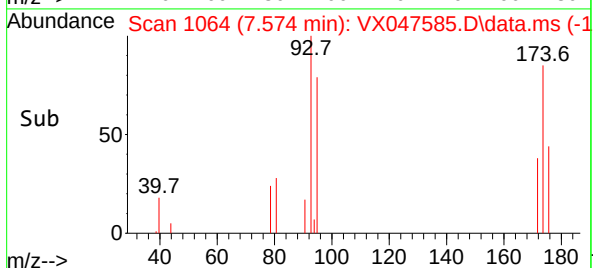
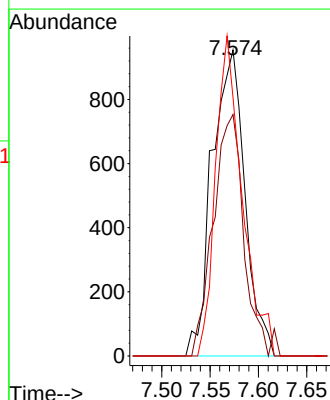
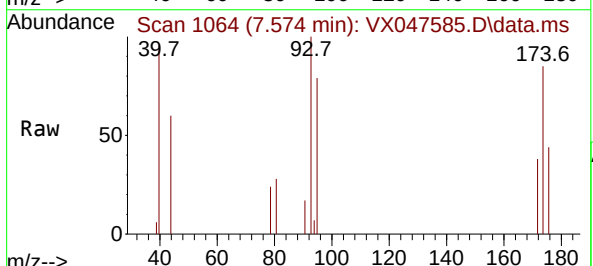
Tgt Ion: 93 Resp: 2240

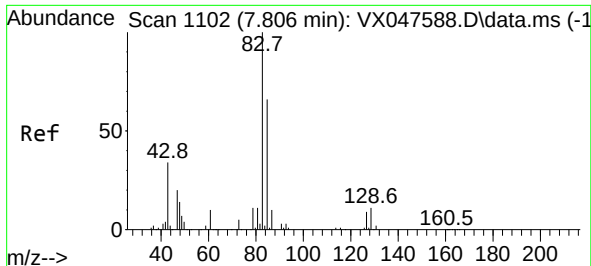
Ion Ratio Lower Upper

93 100

95 74.4 65.0 97.6

174 85.1 71.6 107.4

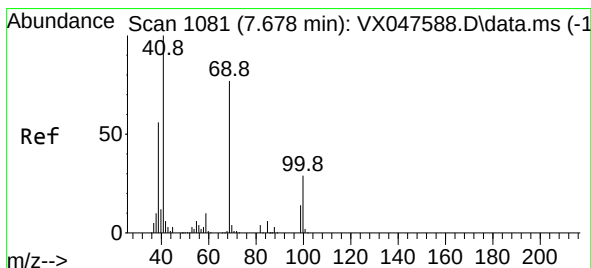
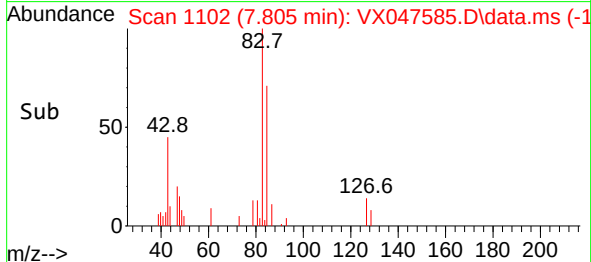
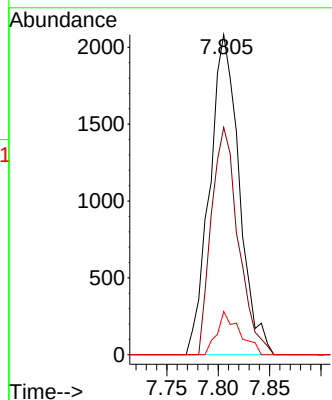
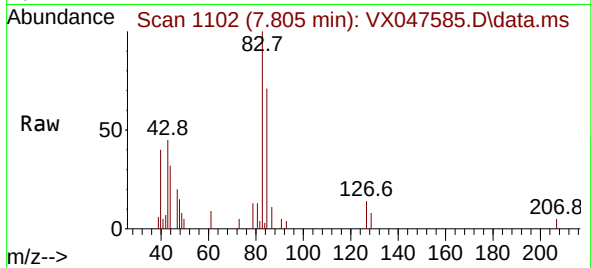




#47
Bromodichloromethane
Concen: 0.806 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

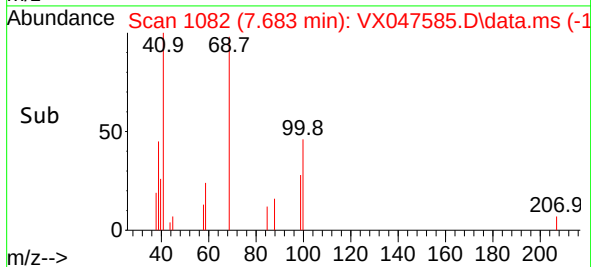
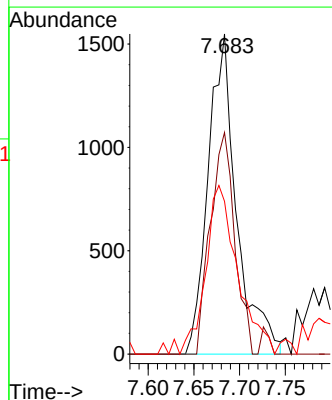
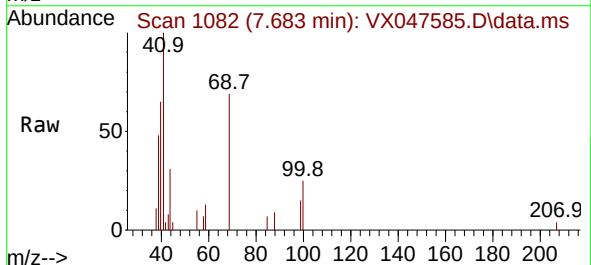
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

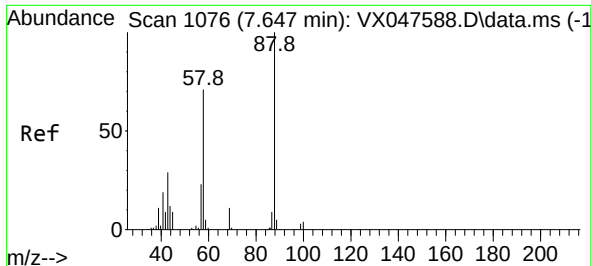
Tgt Ion: 83 Resp: 4167
Ion Ratio Lower Upper
83 100
85 71.0 52.5 78.7
127 13.5 6.9 10.3#



#48
Methyl methacrylate
Concen: 0.867 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 3355
Ion Ratio Lower Upper
41 100
69 59.3 61.4 92.2#
39 59.5 45.8 68.6





#49

1,4-Dioxane

Concen: 10.329 ug/l

RT: 7.653 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

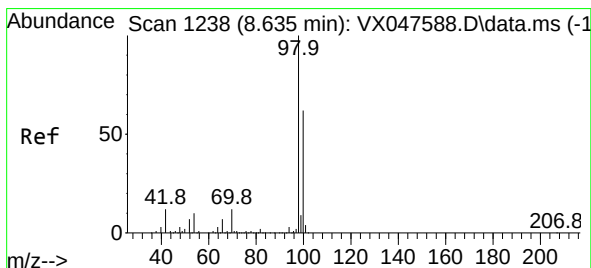
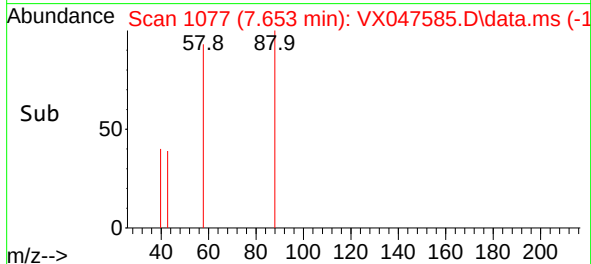
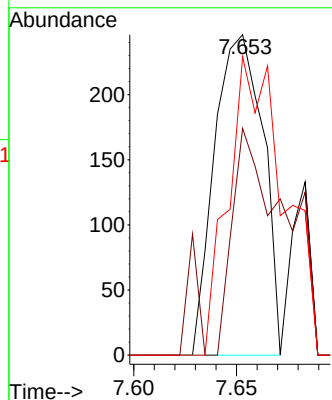
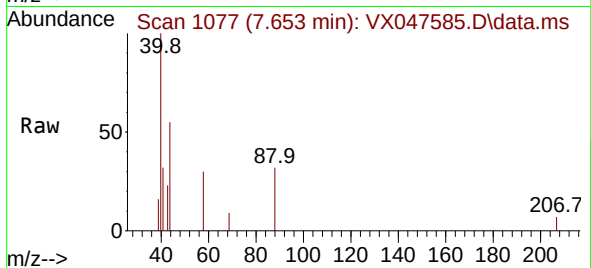
Tgt Ion: 88 Resp: 404

Ion Ratio Lower Upper

88 100

43 77.5 30.2 45.2#

58 107.4 59.5 89.3#



#50

Toluene-d8

Concen: 9.913 ug/l

RT: 8.628 min Scan# 1237

Delta R.T. -0.006 min

Lab File: VX047585.D

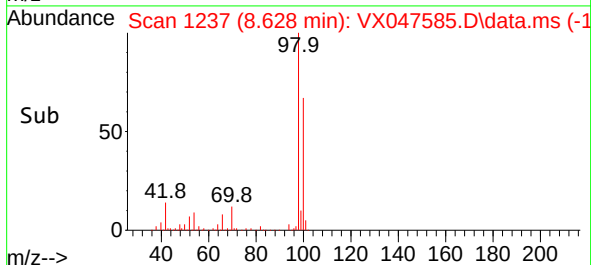
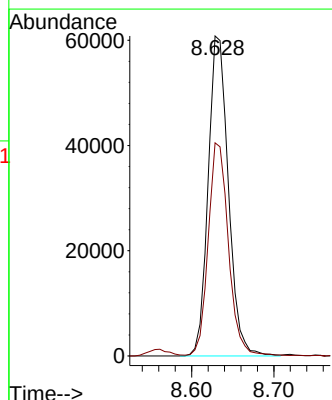
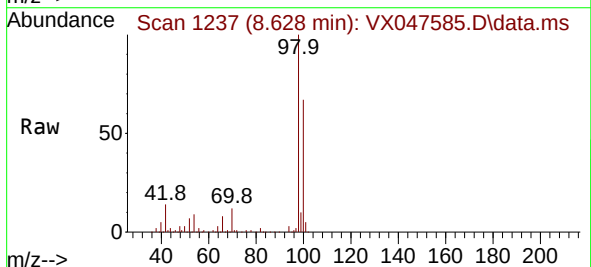
Acq: 16 Sep 2025 09:23

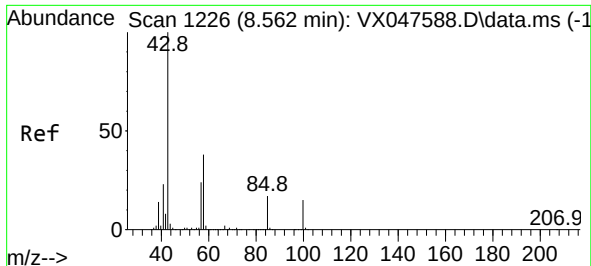
Tgt Ion: 98 Resp: 103865

Ion Ratio Lower Upper

98 100

100 66.6 53.0 79.4

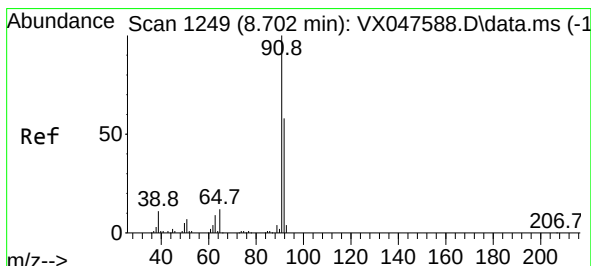
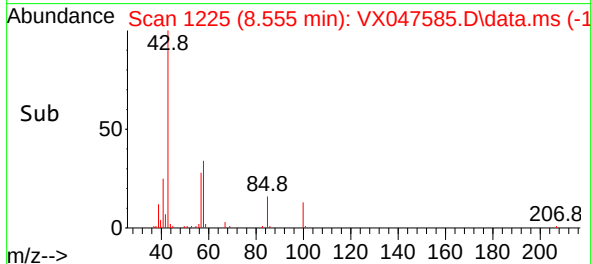
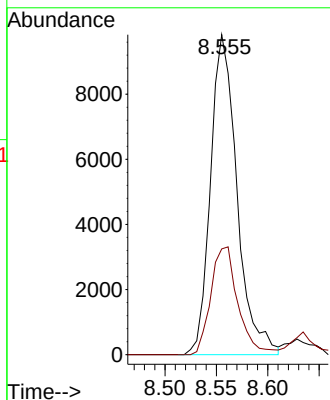
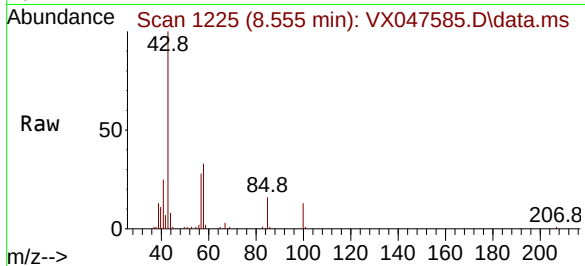




#51
4-Methyl-2-Pentanone
Concen: 4.085 ug/l
RT: 8.555 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

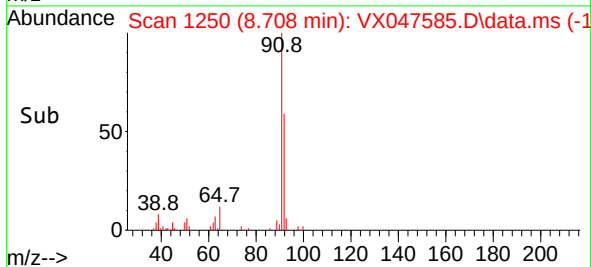
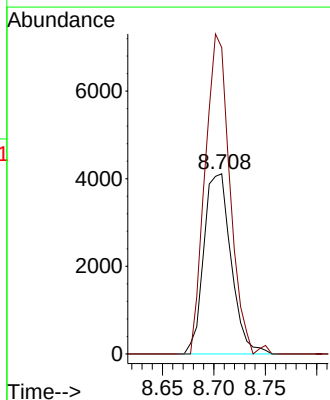
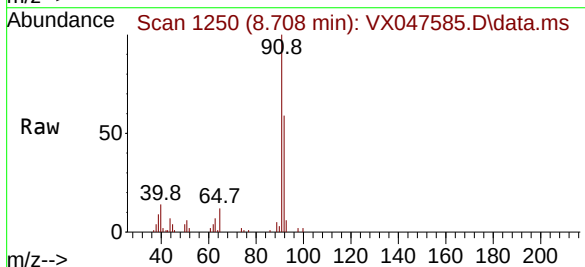
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

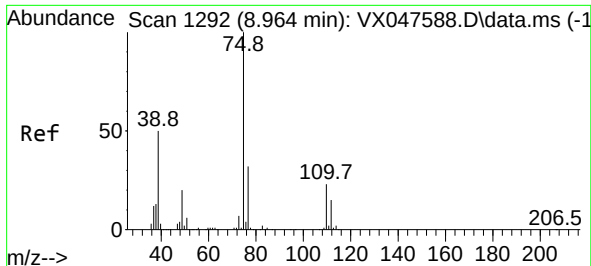
Tgt Ion: 43 Resp: 17596
Ion Ratio Lower Upper
43 100
58 34.7 30.3 45.5



#52
Toluene
Concen: 0.917 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 92 Resp: 7595
Ion Ratio Lower Upper
92 100
91 160.7 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 0.834 ug/l

RT: 8.964 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

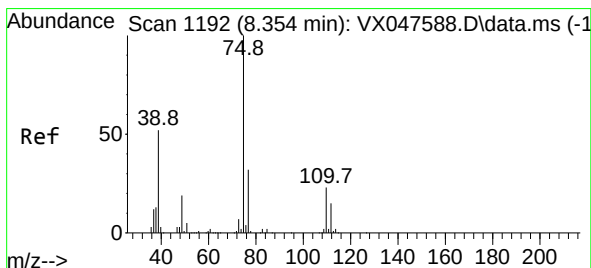
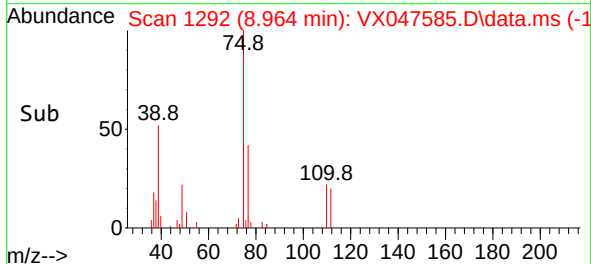
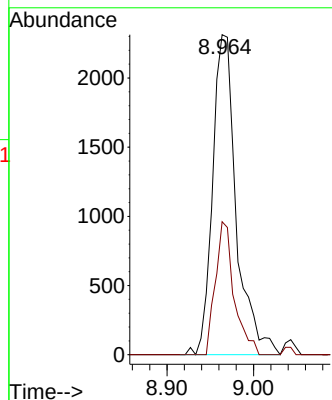
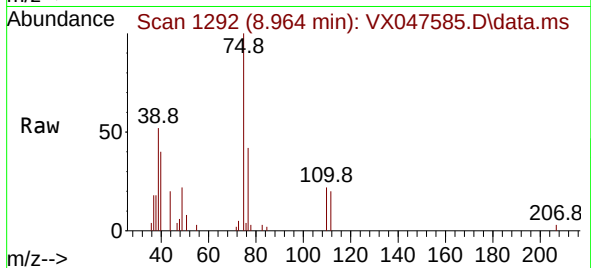
VSTDIC001

Tgt Ion: 75 Resp: 4398

Ion Ratio Lower Upper

75 100

77 41.5 25.4 38.2#



#54

cis-1,3-Dichloropropene

Concen: 0.823 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

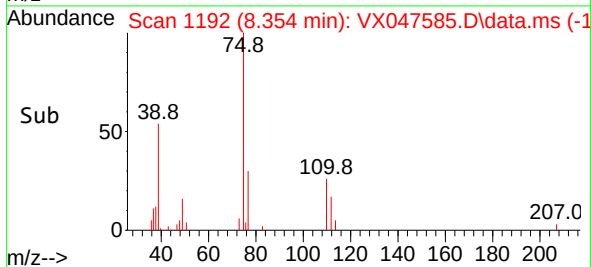
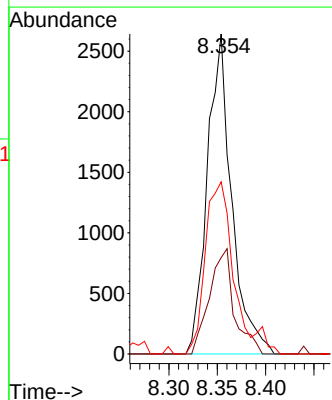
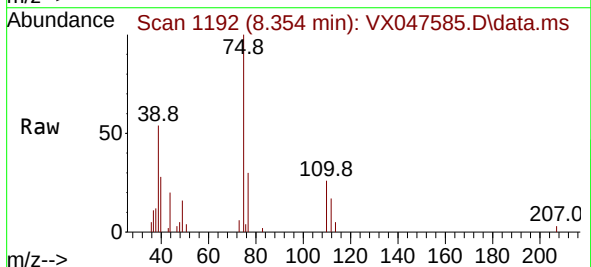
Tgt Ion: 75 Resp: 4635

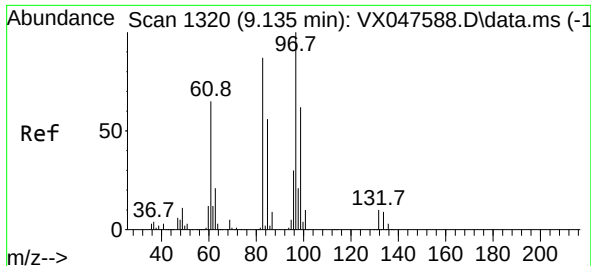
Ion Ratio Lower Upper

75 100

77 30.1 25.8 38.6

39 25.6 41.4 62.2#





#55

1,1,2-Trichloroethane

Concen: 0.914 ug/l

RT: 9.134 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 2918

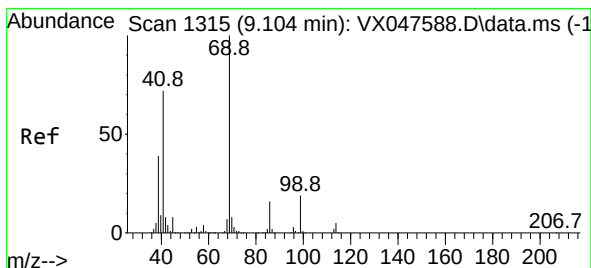
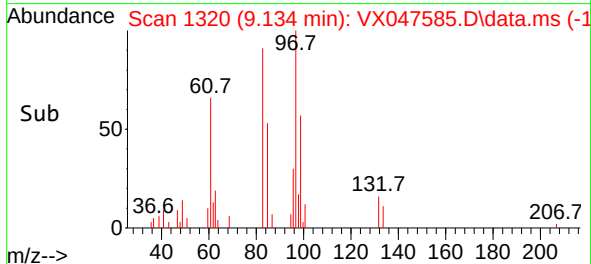
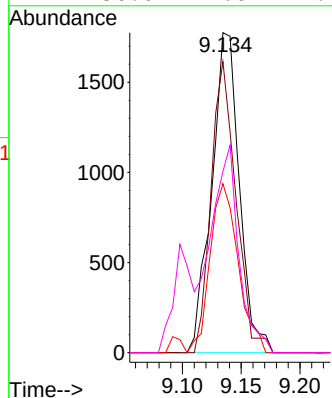
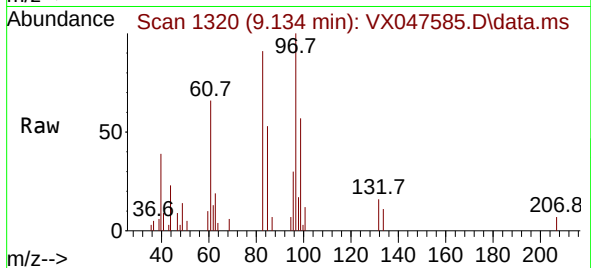
Ion Ratio Lower Upper

97 100

83 90.9 69.6 104.4

85 52.8 45.0 67.6

99 56.6 49.6 74.4



#56

Ethyl methacrylate

Concen: 0.734 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

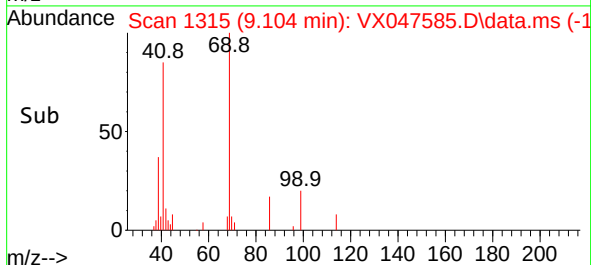
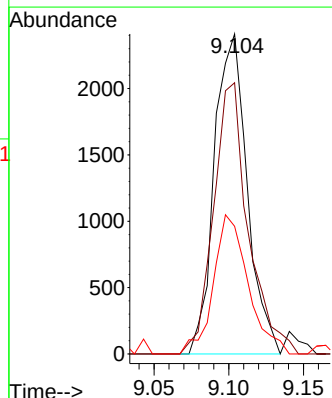
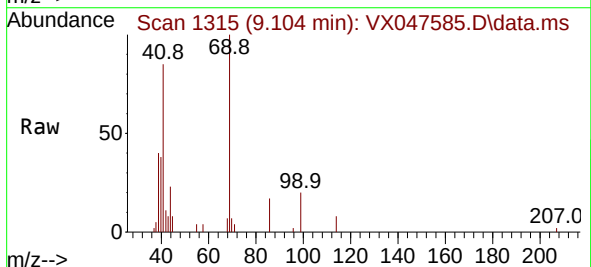
Tgt Ion: 69 Resp: 3679

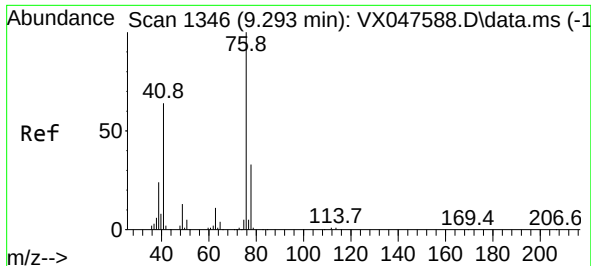
Ion Ratio Lower Upper

69 100

41 89.4 58.6 87.8#

39 46.0 31.5 47.3

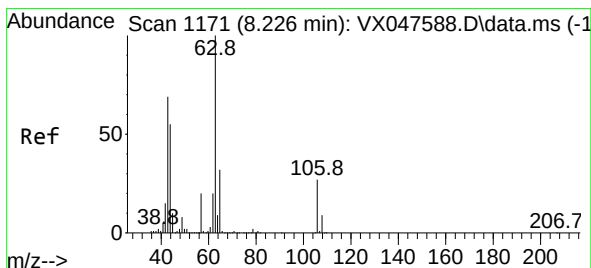
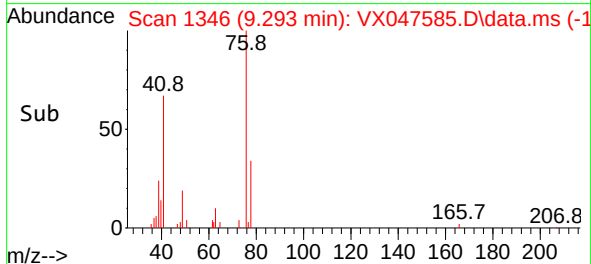
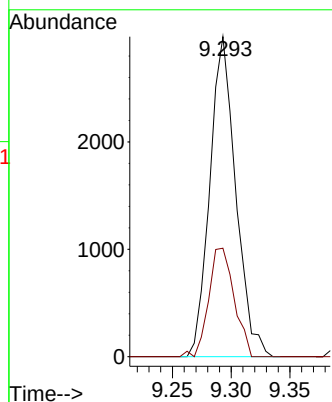
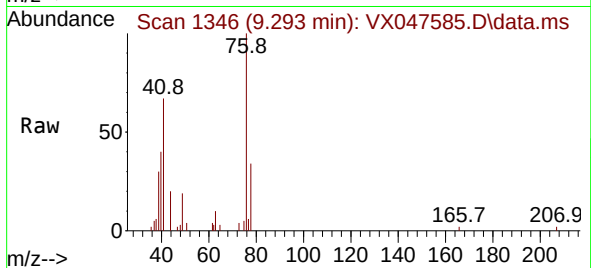




#57
1,3-Dichloropropane
Concen: 0.835 ug/l
RT: 9.293 min Scan# 1134
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

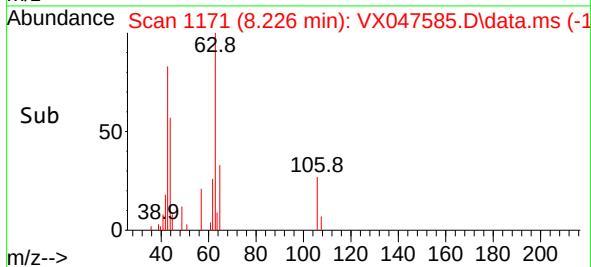
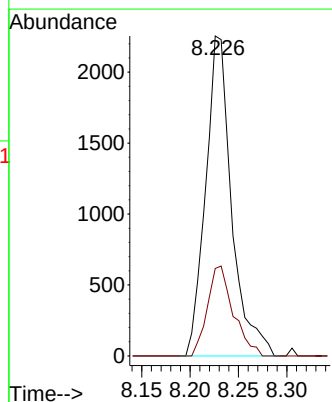
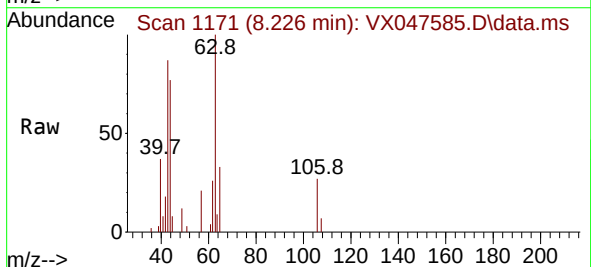
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

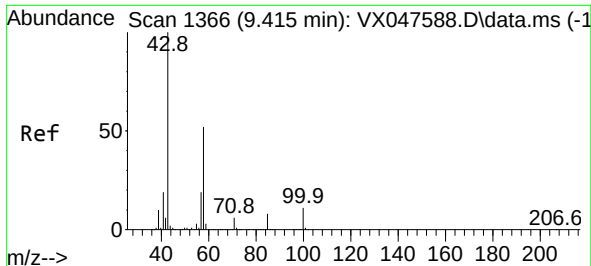
Tgt Ion: 76 Resp: 4580
Ion Ratio Lower Upper
76 100
78 33.2 26.2 39.4



#58
2-Chloroethyl Vinyl ether
Concen: 9.665 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 4222
Ion Ratio Lower Upper
63 100
106 27.9 21.9 32.9

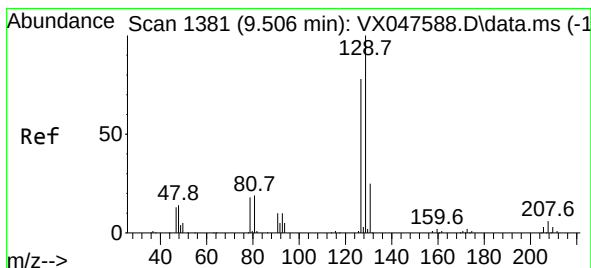
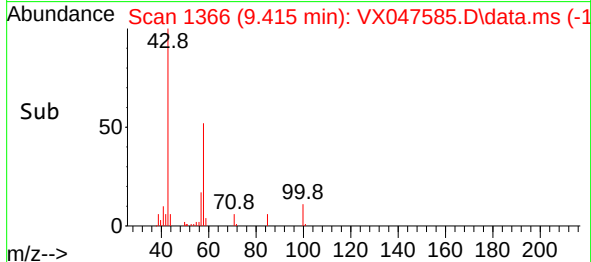
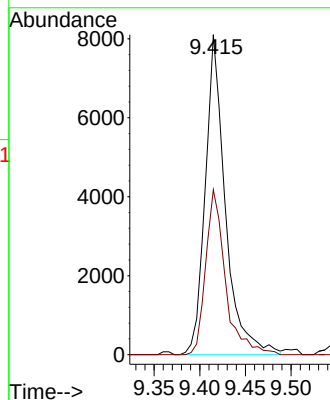
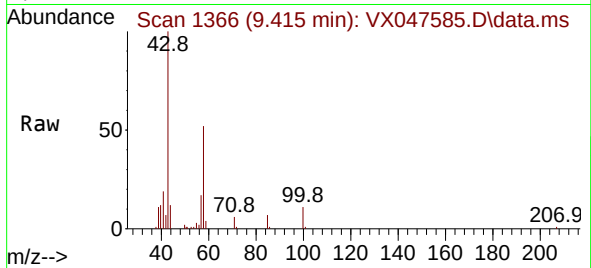




#59
2-Hexanone
Concen: 4.003 ug/l
RT: 9.415 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

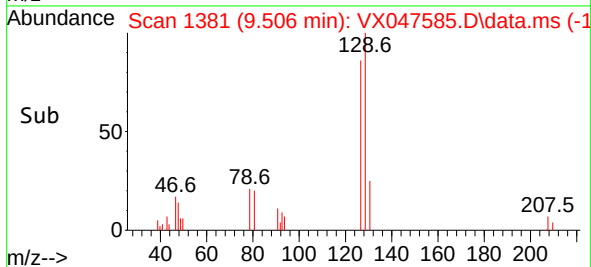
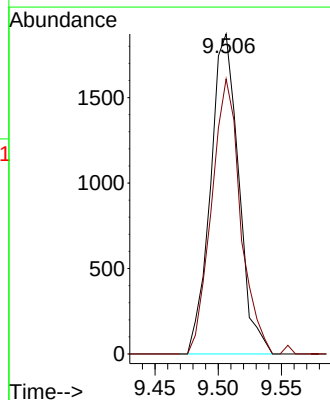
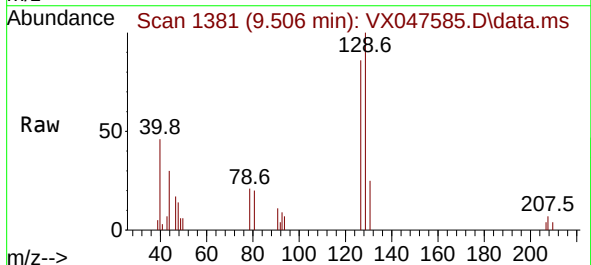
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

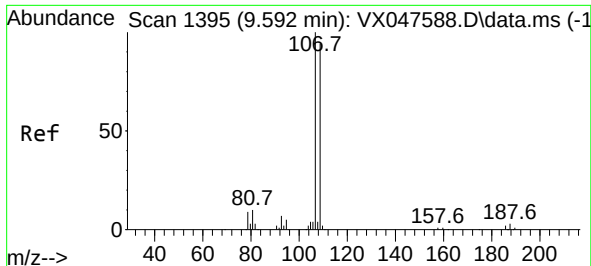
Tgt Ion: 43 Resp: 12385
Ion Ratio Lower Upper
43 100
58 50.7 26.1 78.2



#60
Dibromochloromethane
Concen: 0.789 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 129 Resp: 2903
Ion Ratio Lower Upper
129 100
127 88.2 38.4 115.2

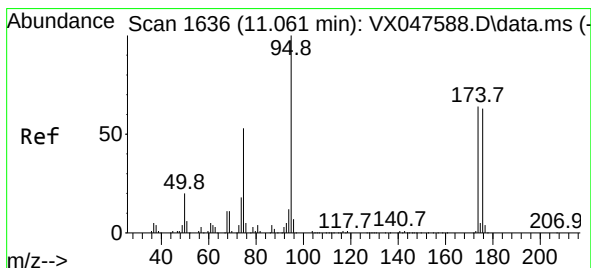
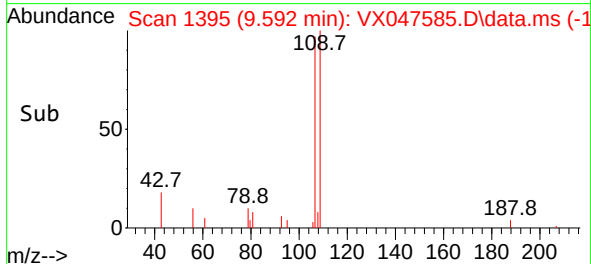
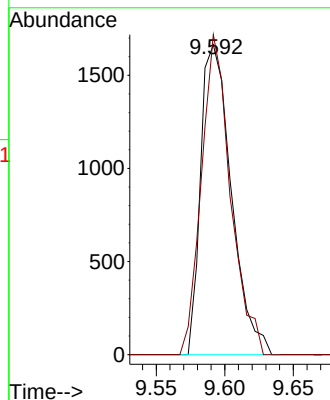
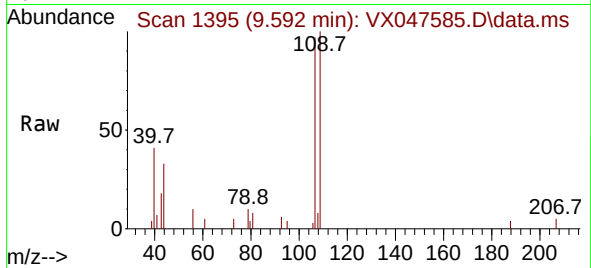




#61
1,2-Dibromoethane
Concen: 0.798 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

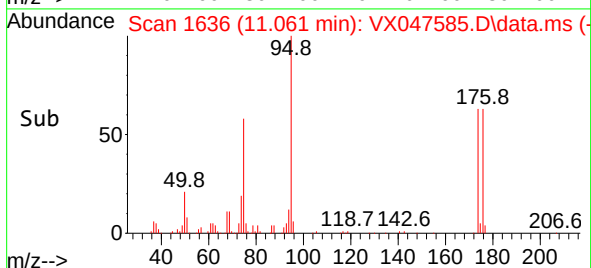
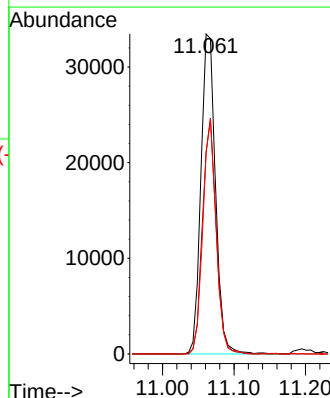
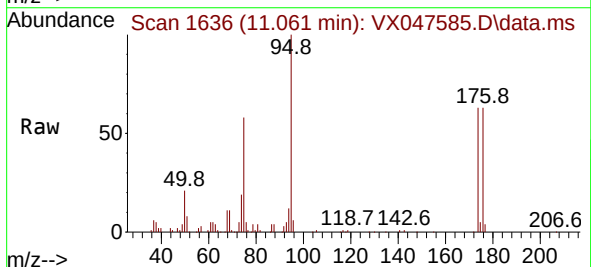
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

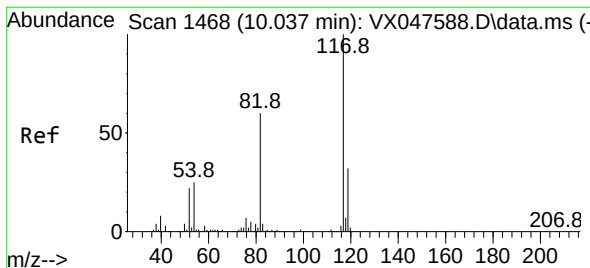
Tgt Ion:107 Resp: 2596
Ion Ratio Lower Upper
107 100
109 97.7 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 11.900 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 95 Resp: 47321
Ion Ratio Lower Upper
95 100
174 68.9 0.0 141.6
176 67.0 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

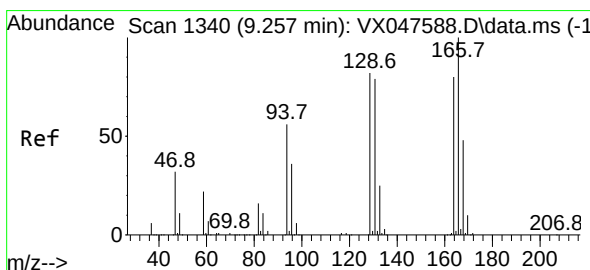
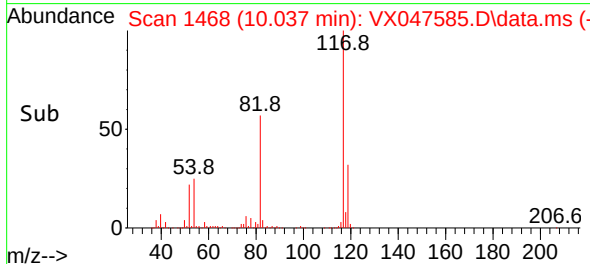
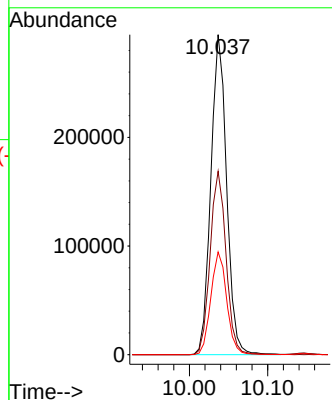
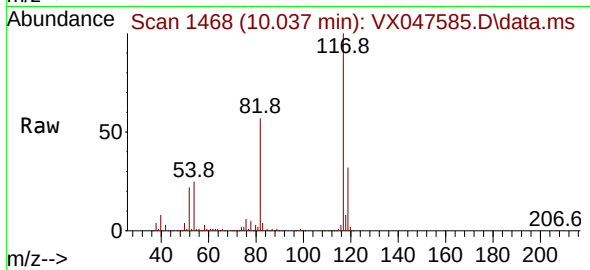
Tgt Ion:117 Resp: 410953

Ion Ratio Lower Upper

117 100

82 57.3 47.8 71.6

119 32.1 25.2 37.8



#64

Tetrachloroethene

Concen: 0.917 ug/l

RT: 9.256 min Scan# 1340

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion:164 Resp: 2457

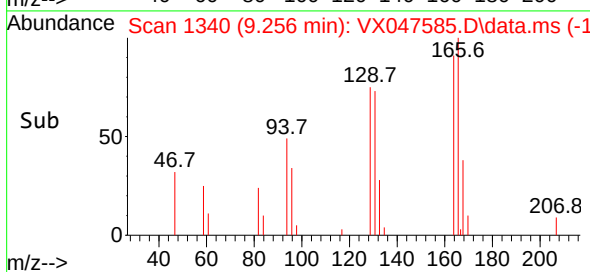
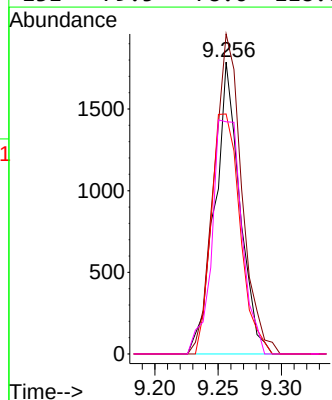
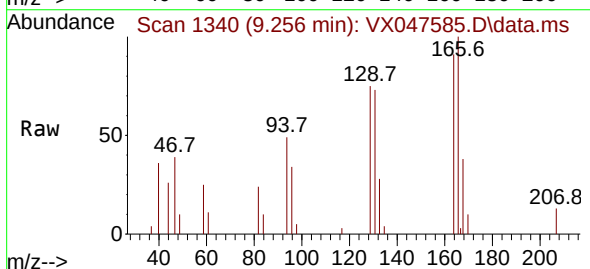
Ion Ratio Lower Upper

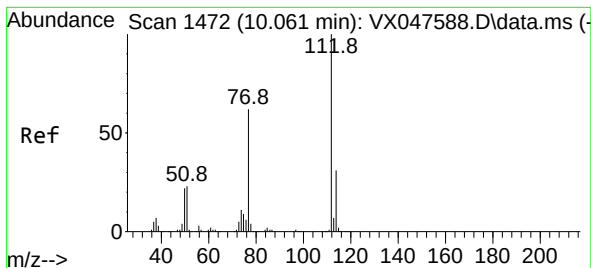
164 100

166 109.6 100.2 150.2

129 82.2 81.8 122.6

131 79.5 78.6 118.0

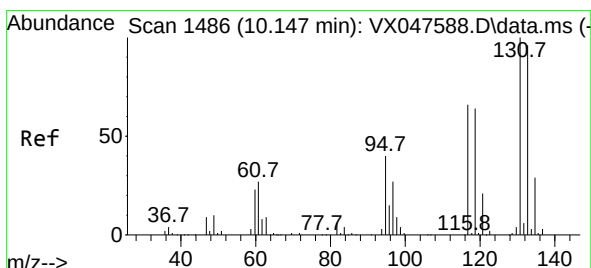
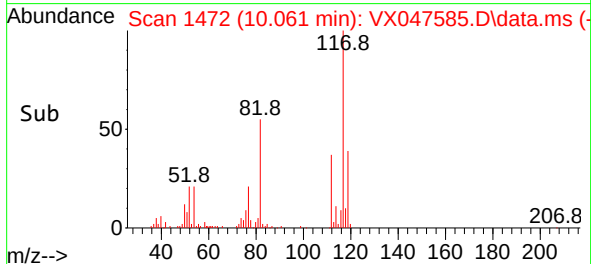
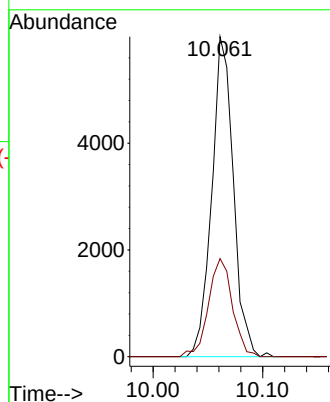
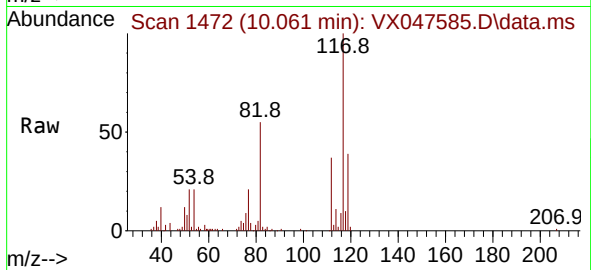




#65
Chlorobenzene
Concen: 0.879 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

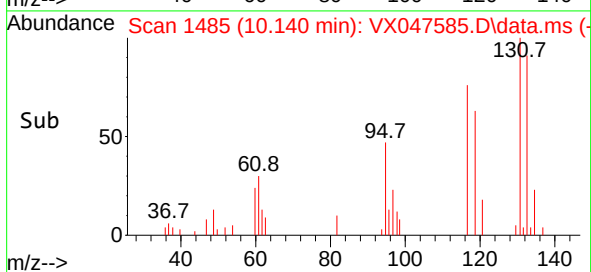
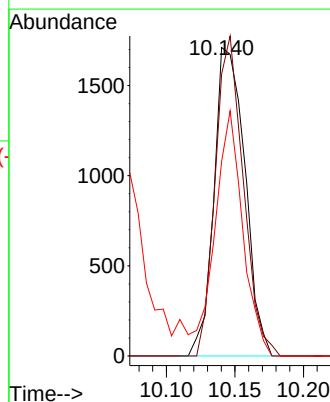
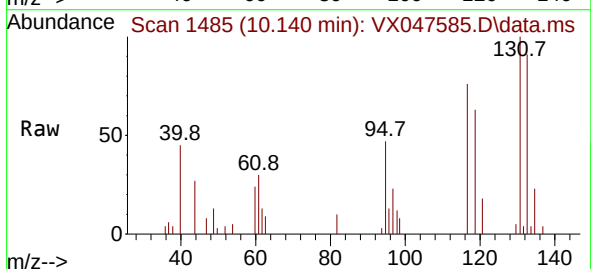
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

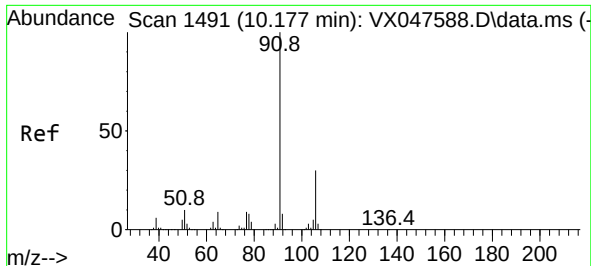
Tgt Ion:112 Resp: 8202
Ion Ratio Lower Upper
112 100
114 30.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 0.833 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:131 Resp: 2684
Ion Ratio Lower Upper
131 100
133 93.9 47.3 142.0
119 0.0 32.0 96.0#





#67

Ethyl Benzene

Concen: 0.829 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

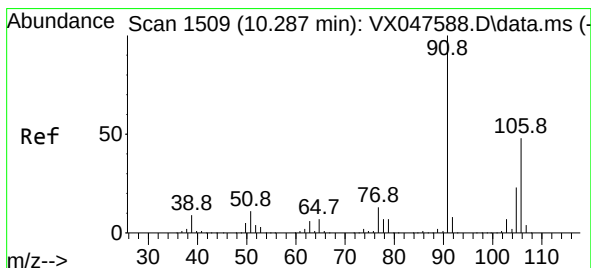
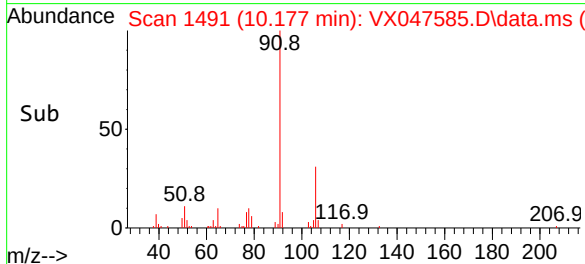
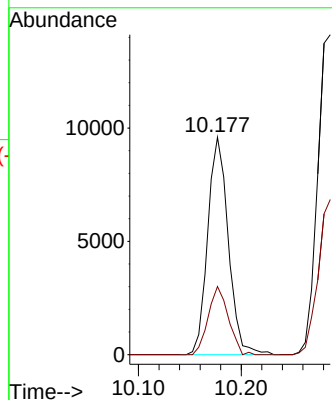
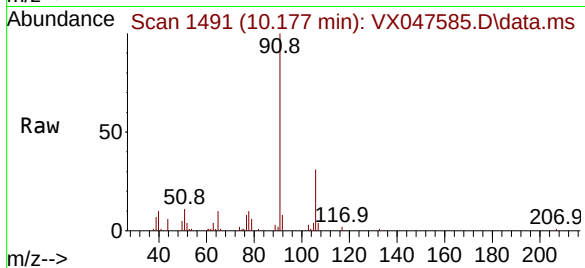
VSTDIC001

Tgt Ion: 91 Resp: 13360

Ion Ratio Lower Upper

91 100

106 31.3 24.3 36.5



#68

m/p-Xylenes

Concen: 1.655 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX047585.D

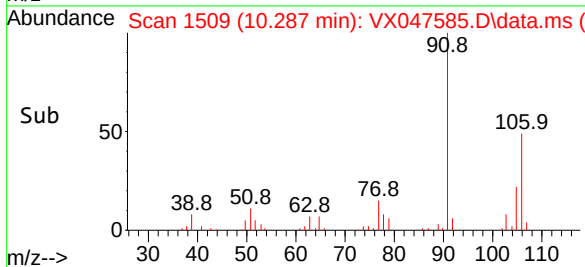
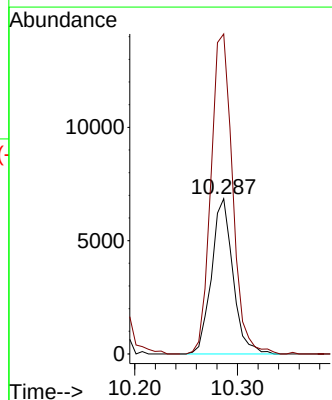
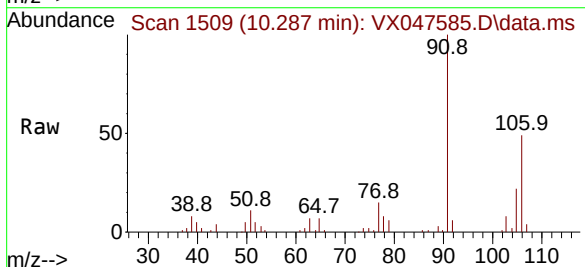
Acq: 16 Sep 2025 09:23

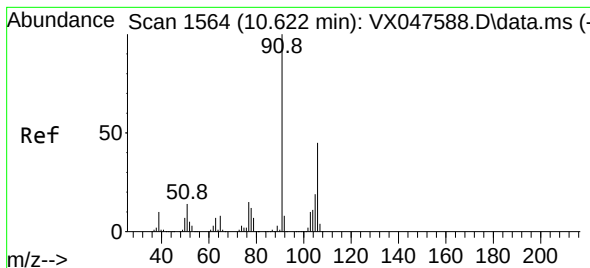
Tgt Ion: 106 Resp: 9922

Ion Ratio Lower Upper

106 100

91 208.5 167.8 251.8





#69

o-Xylene

Concen: 0.816 ug/l

RT: 10.622 min Scan# 1564

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

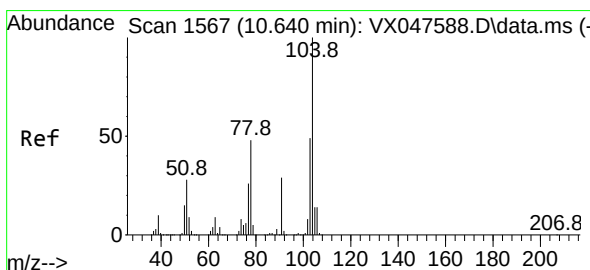
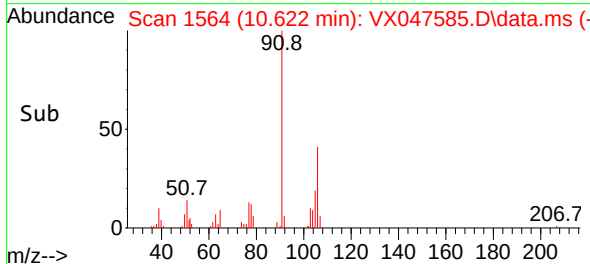
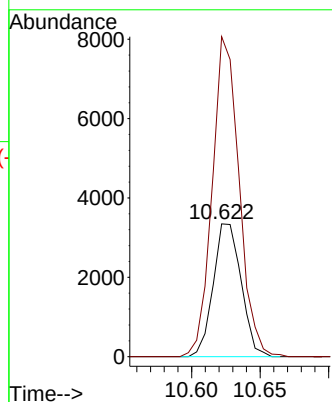
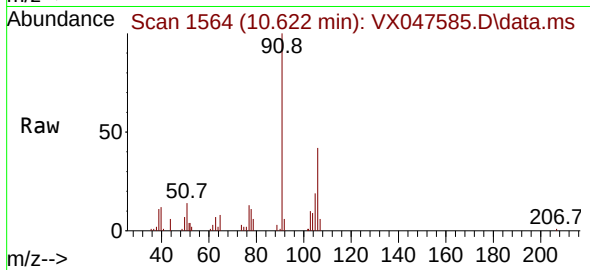
VSTDIC001

Tgt Ion:106 Resp: 4734

Ion Ratio Lower Upper

106 100

91 232.4 111.1 333.4



#70

Styrene

Concen: 0.824 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

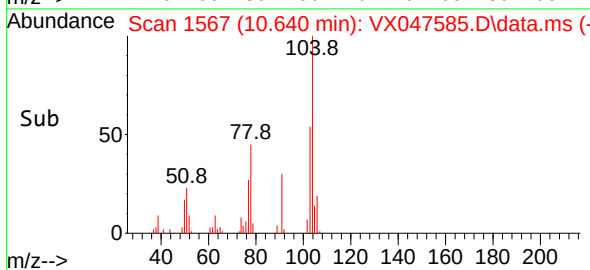
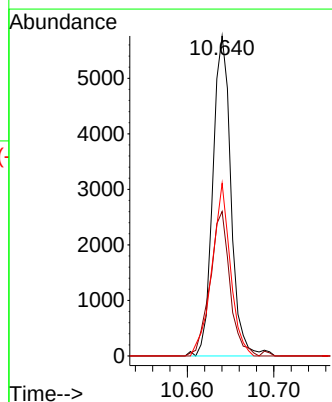
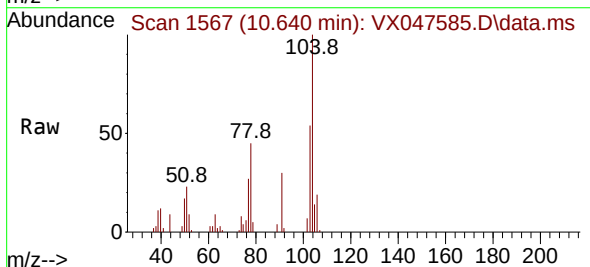
Tgt Ion:104 Resp: 8377

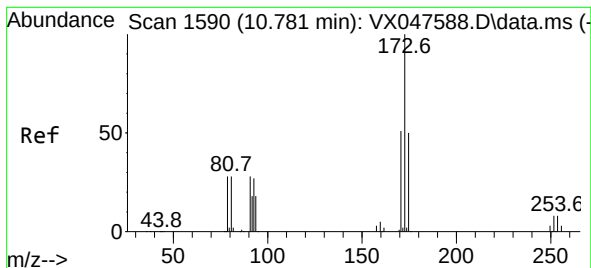
Ion Ratio Lower Upper

104 100

78 49.5 43.1 64.7

103 55.0 43.1 64.7





#71

Bromoform

Concen: 0.755 ug/l

RT: 10.787 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

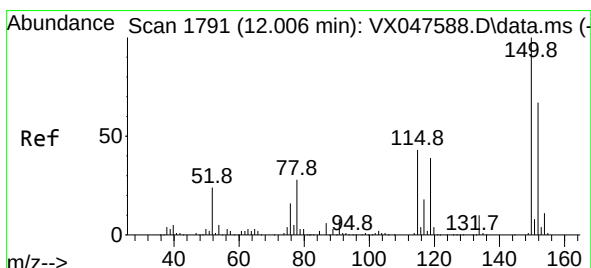
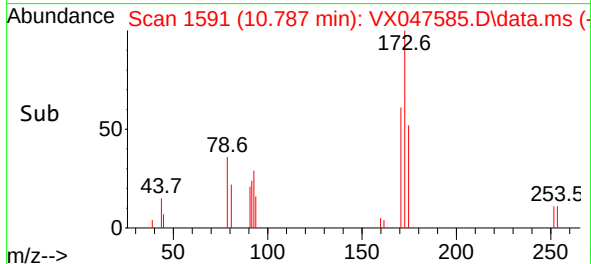
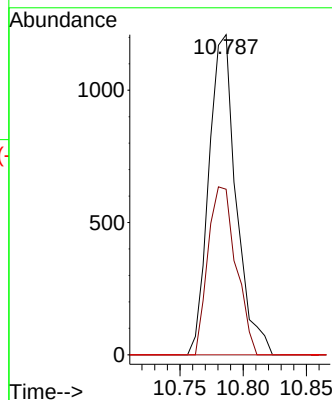
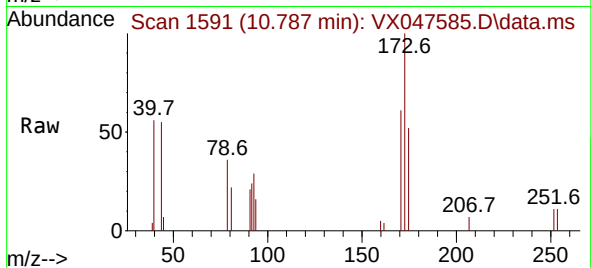
Tgt Ion:173 Resp: 1816

Ion Ratio Lower Upper

173 100

175 53.8 24.9 74.6

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

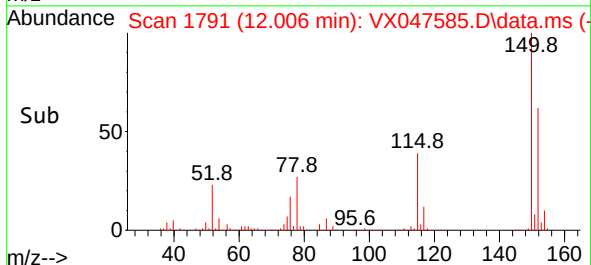
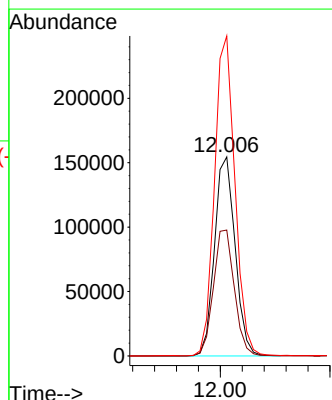
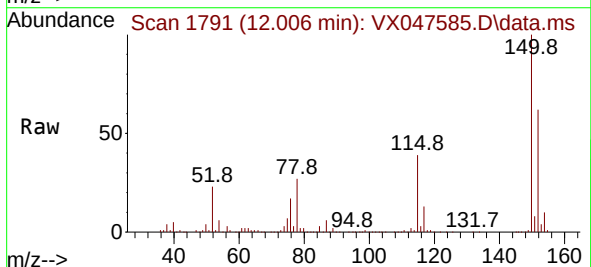
Tgt Ion:152 Resp: 201976

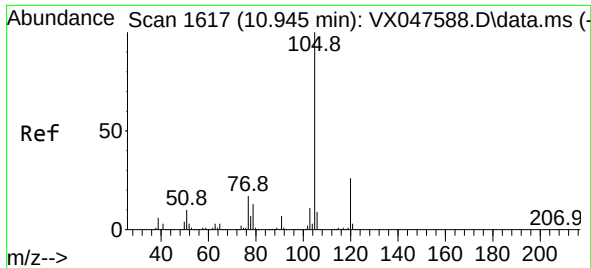
Ion Ratio Lower Upper

152 100

115 64.2 44.9 134.5

150 158.7 0.0 352.0

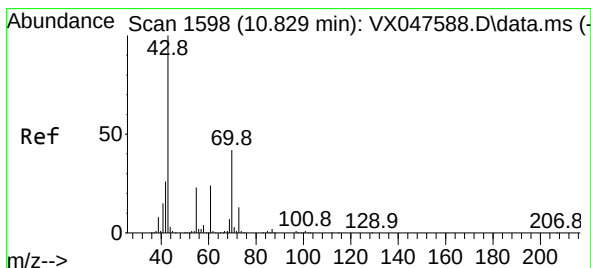
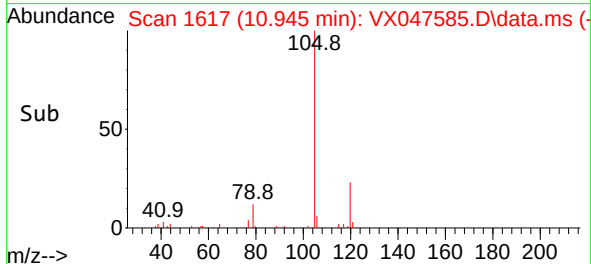
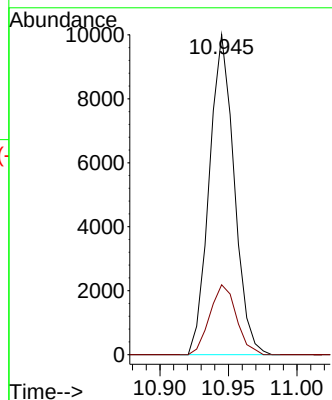
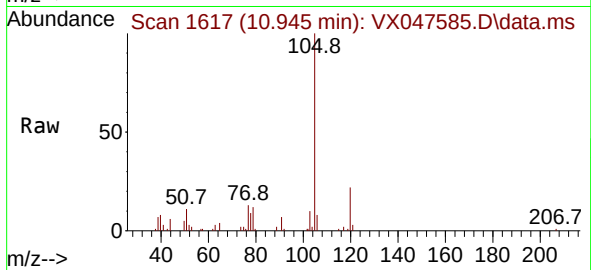




#73
Isopropylbenzene
Concen: 0.822 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

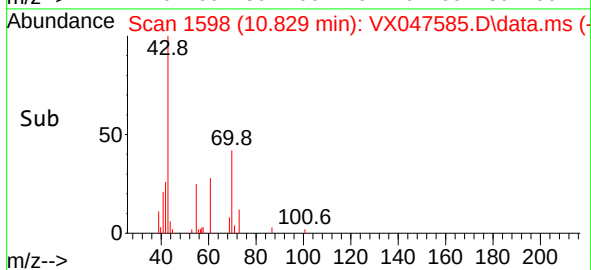
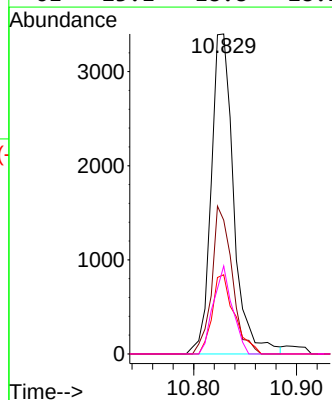
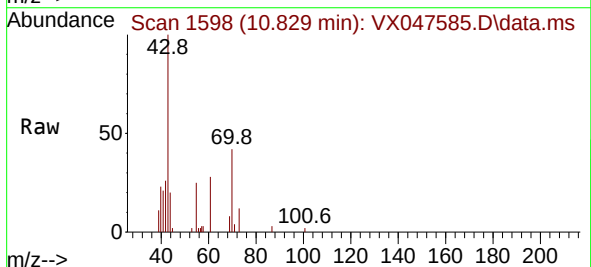
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

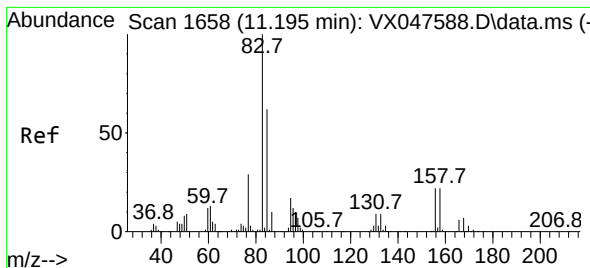
Tgt Ion:105 Resp: 12618
Ion Ratio Lower Upper
105 100
120 23.4 12.8 38.4



#74
N-ethyl acetate
Concen: 0.737 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 5159
Ion Ratio Lower Upper
43 100
70 41.7 32.0 48.0
55 24.3 18.9 28.3
61 23.1 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 0.839 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

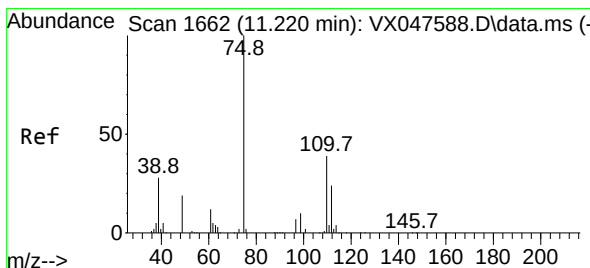
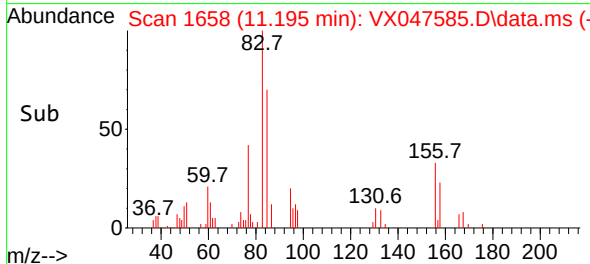
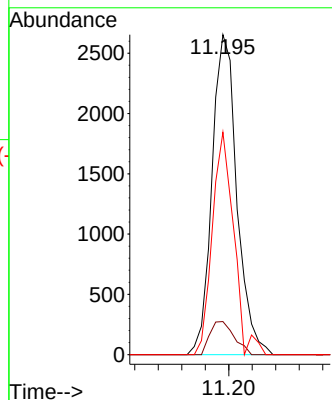
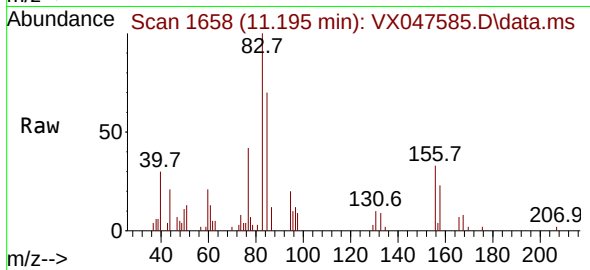
Tgt Ion: 83 Resp: 3900

Ion Ratio Lower Upper

83 100

131 10.1 5.0 14.9

85 59.8 31.6 95.0



#76

1,2,3-Trichloropropane

Concen: 1.117 ug/l

RT: 11.225 min Scan# 1663

Delta R.T. 0.006 min

Lab File: VX047585.D

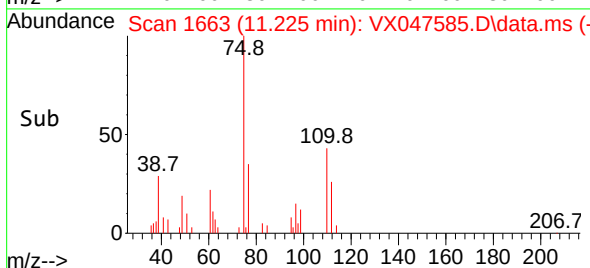
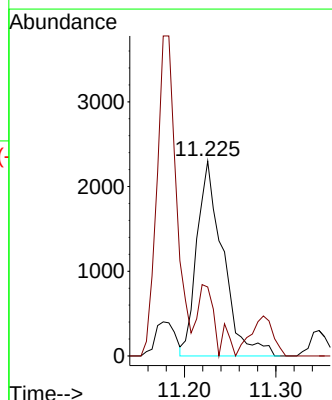
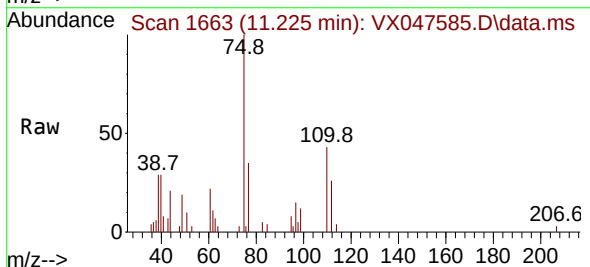
Acq: 16 Sep 2025 09:23

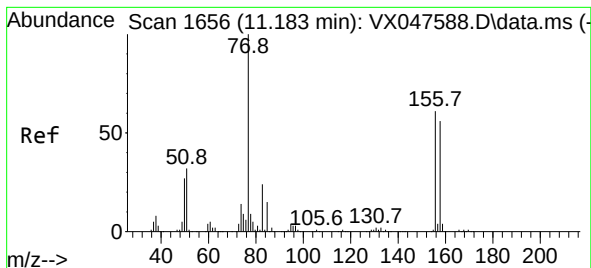
Tgt Ion: 75 Resp: 4568

Ion Ratio Lower Upper

75 100

77 25.9 18.8 56.4





#77

Bromobenzene

Concen: 0.811 ug/l

RT: 11.183 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

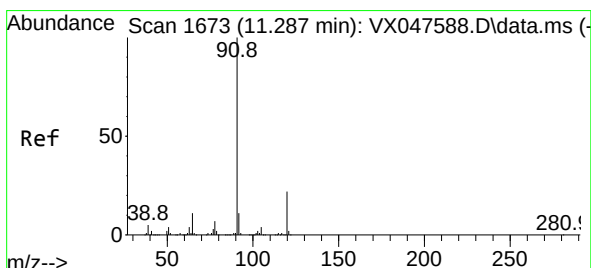
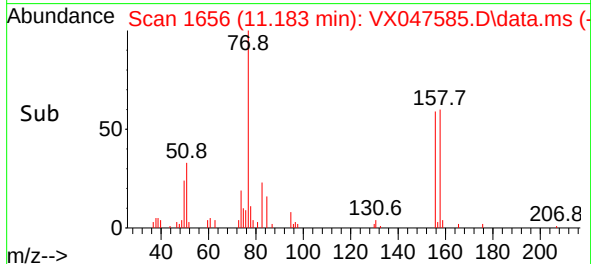
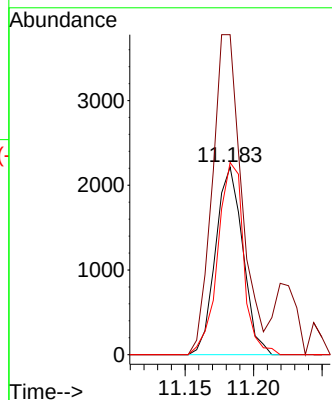
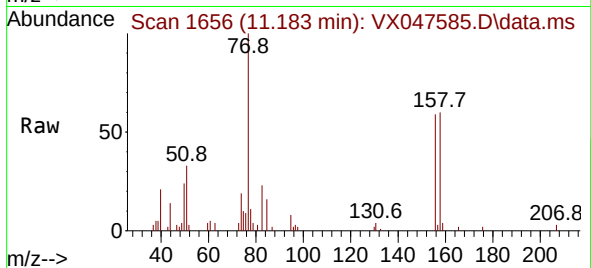
Tgt Ion:156 Resp: 3069

Ion Ratio Lower Upper

156 100

77 182.3 89.7 269.1

158 96.6 47.9 143.6



#78

n-propylbenzene

Concen: 0.819 ug/l

RT: 11.286 min Scan# 1673

Delta R.T. -0.000 min

Lab File: VX047585.D

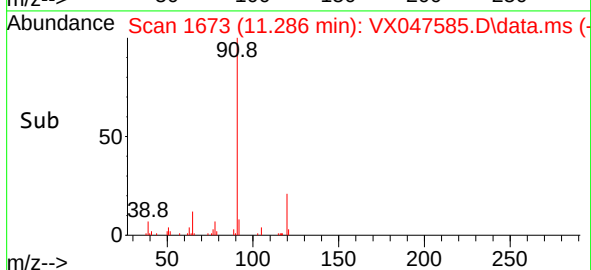
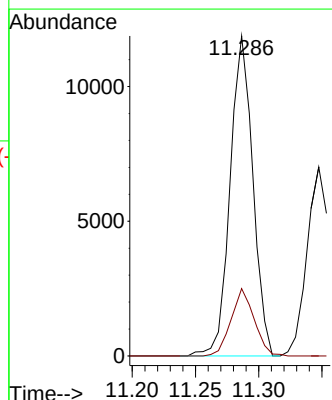
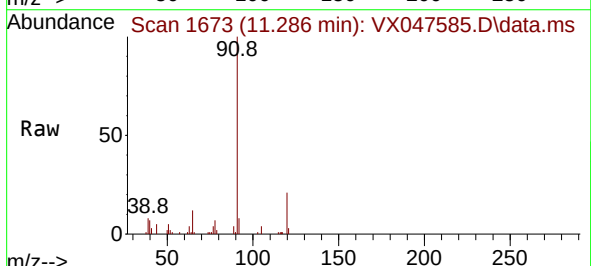
Acq: 16 Sep 2025 09:23

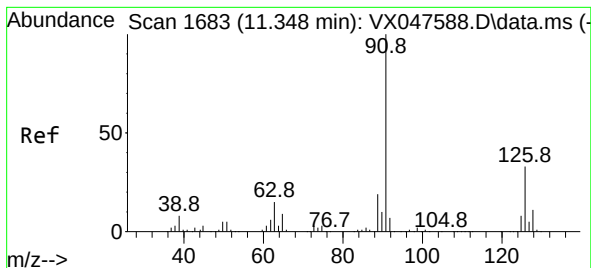
Tgt Ion: 91 Resp: 14866

Ion Ratio Lower Upper

91 100

120 21.4 11.1 33.1

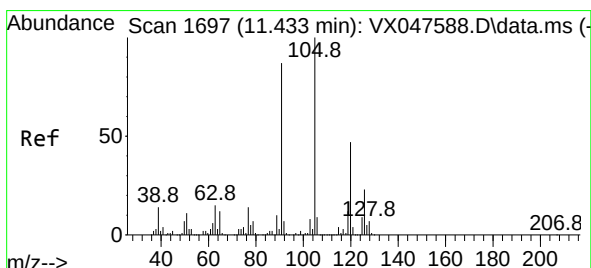
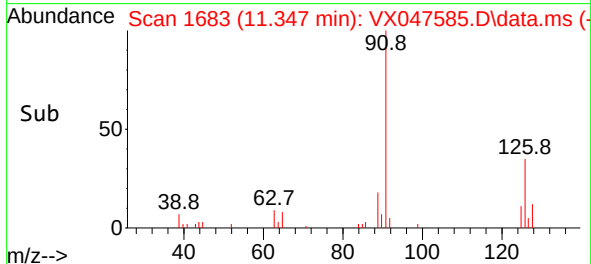
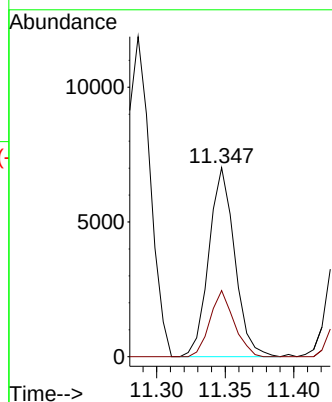
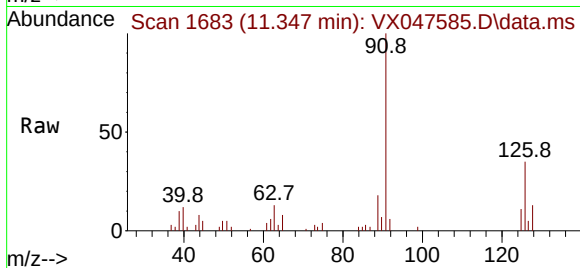




#79
2-Chlorotoluene
Concen: 0.827 ug/l
RT: 11.347 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

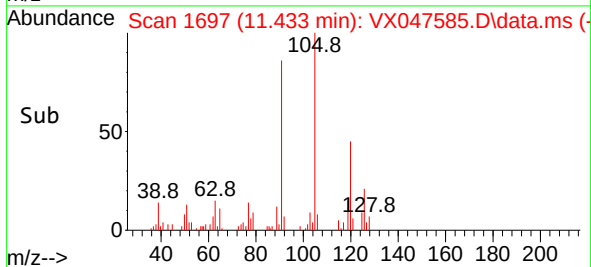
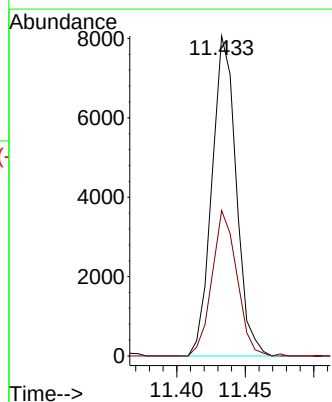
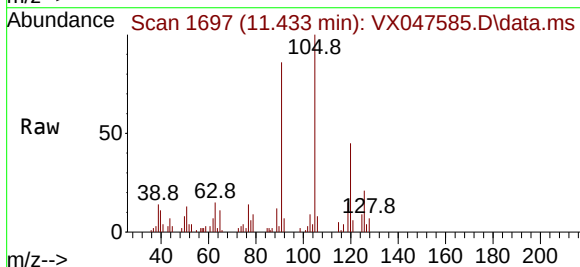
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

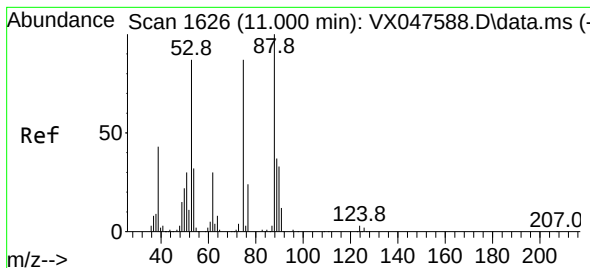
Tgt Ion: 91 Resp: 9195
Ion Ratio Lower Upper
91 100
126 32.5 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 0.787 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 105 Resp: 9929
Ion Ratio Lower Upper
105 100
120 46.7 23.6 70.8

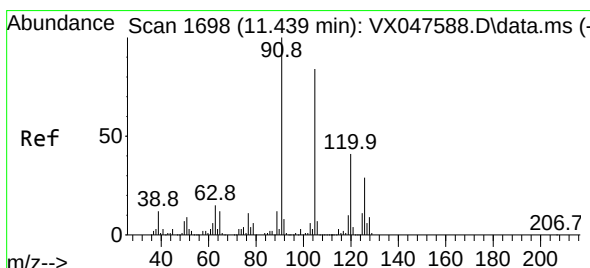
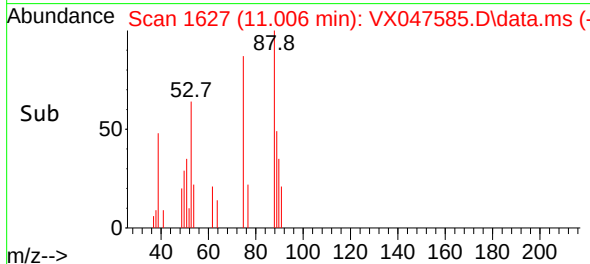
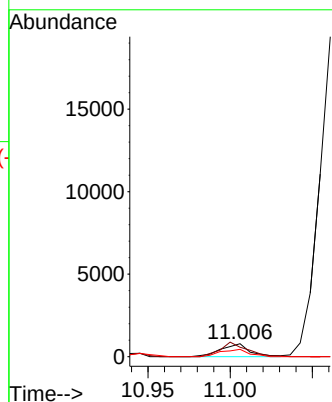
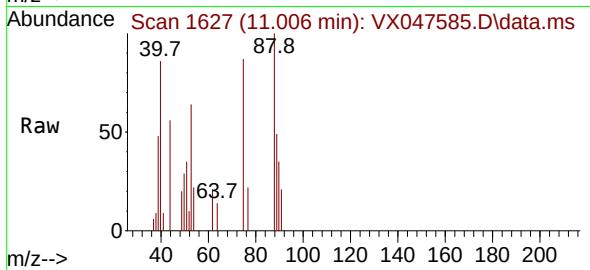




#81
trans-1,4-Dichloro-2-butene
Concen: 0.599 ug/l
RT: 11.006 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

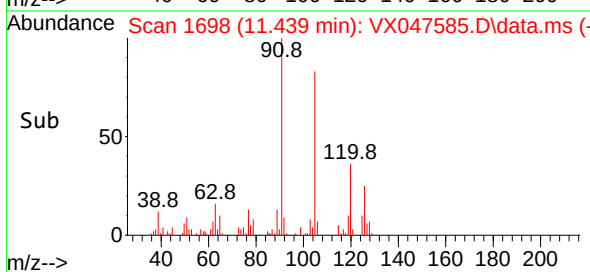
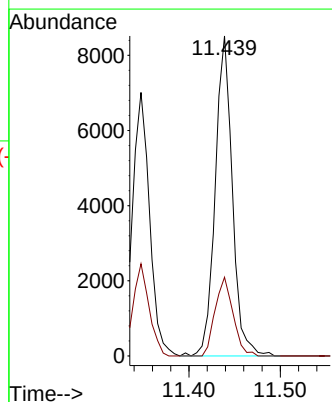
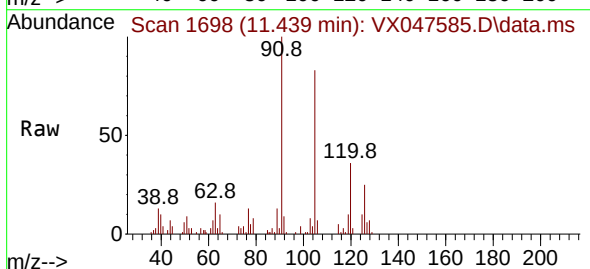
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

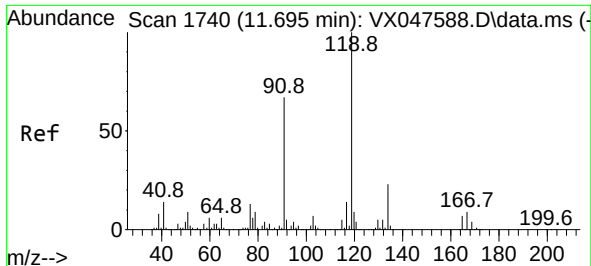
Tgt Ion: 75 Resp: 960
Ion Ratio Lower Upper
75 100
53 103.2 83.4 125.2
89 55.2 36.3 54.5#



#82
4-Chlorotoluene
Concen: 0.847 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 11123
Ion Ratio Lower Upper
91 100
126 25.8 14.2 42.6

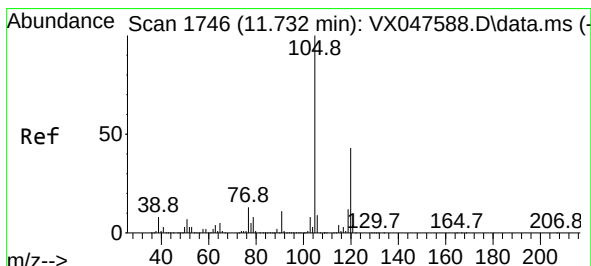
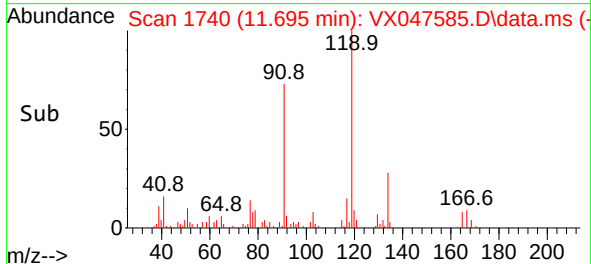
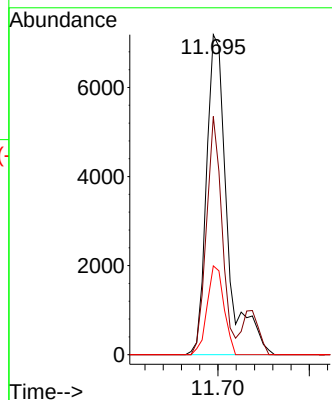
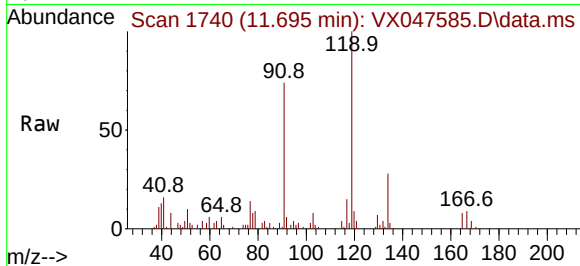




#83
 tert-Butylbenzene
 Concen: 0.876 ug/l
 RT: 11.695 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047585.D
 Acq: 16 Sep 2025 09:23

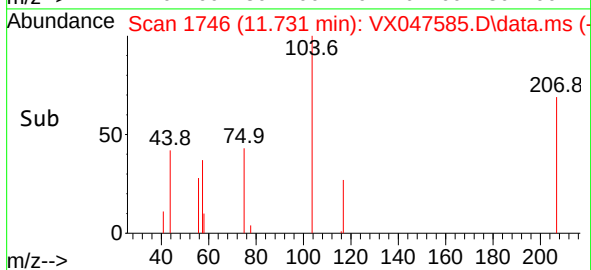
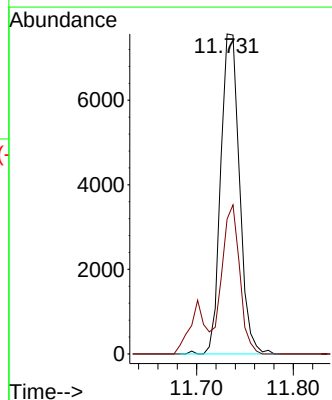
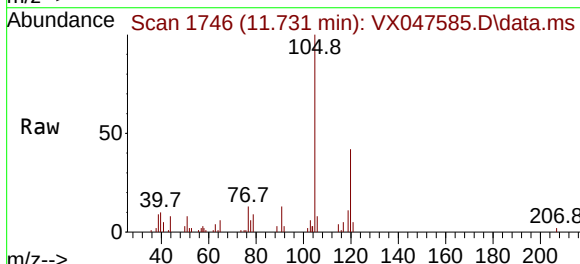
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

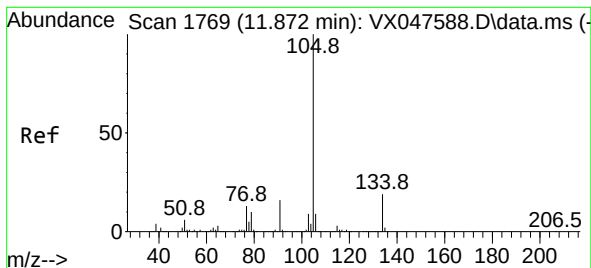
Tgt Ion:	119	Resp:	11311
Ion	Ratio	Lower	Upper
119	100		
91	56.1	29.6	88.8
134	22.5	11.0	33.0



#84
 1,2,4-Trimethylbenzene
 Concen: 0.796 ug/l
 RT: 11.731 min Scan# 1746
 Delta R.T. -0.000 min
 Lab File: VX047585.D
 Acq: 16 Sep 2025 09:23

Tgt Ion:	105	Resp:	10187
Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.1





#85

sec-Butylbenzene

Concen: 0.819 ug/l

RT: 11.872 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

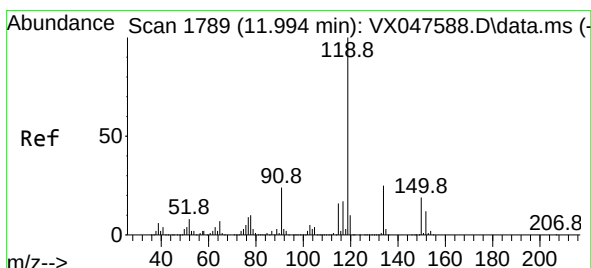
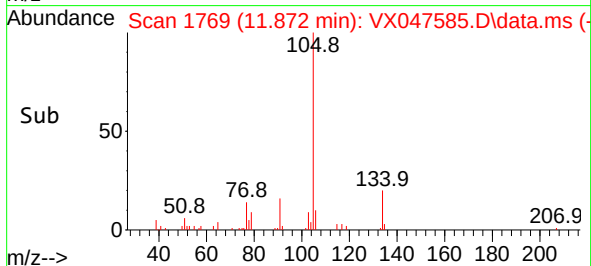
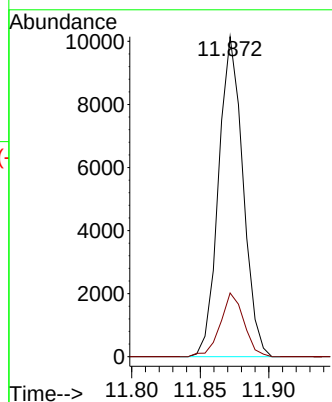
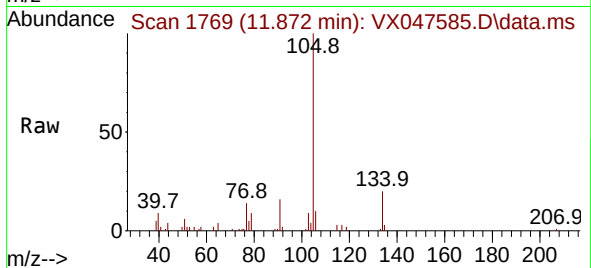
VSTDICC001

Tgt Ion:105 Resp: 12561

Ion Ratio Lower Upper

105 100

134 19.3 9.8 29.5



#86

p-Isopropyltoluene

Concen: 0.827 ug/l

RT: 11.994 min Scan# 1789

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

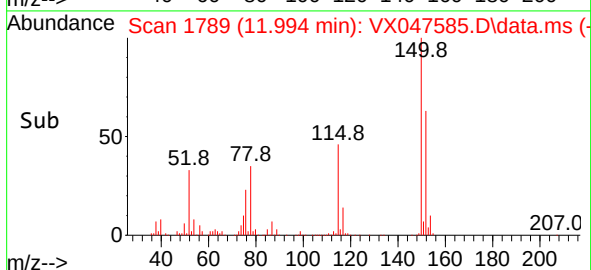
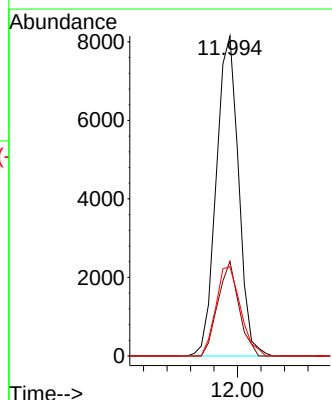
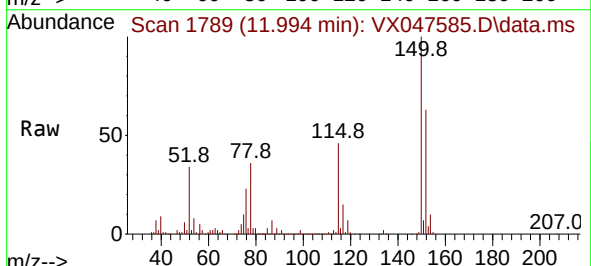
Tgt Ion:119 Resp: 10744

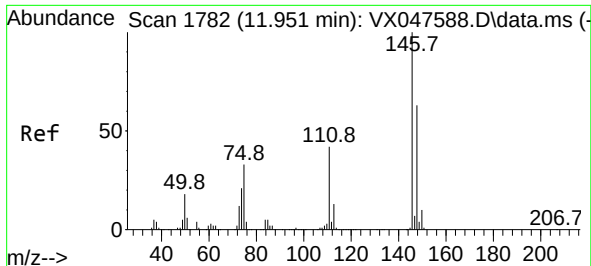
Ion Ratio Lower Upper

119 100

134 27.9 12.6 37.8

91 30.8 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 0.841 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

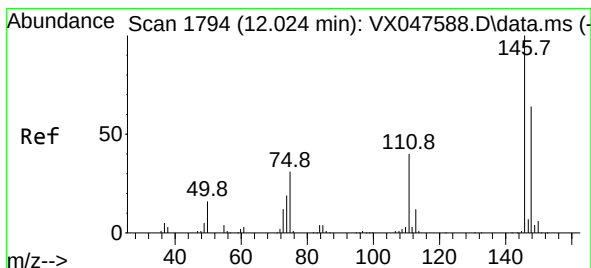
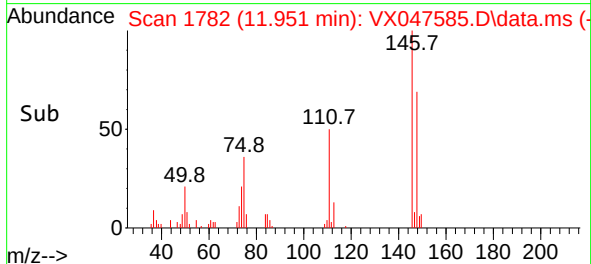
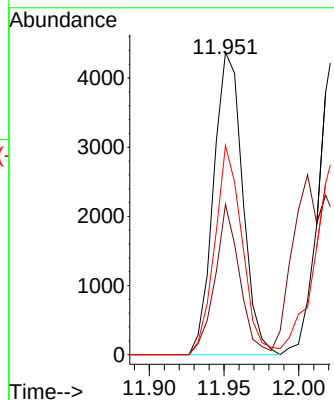
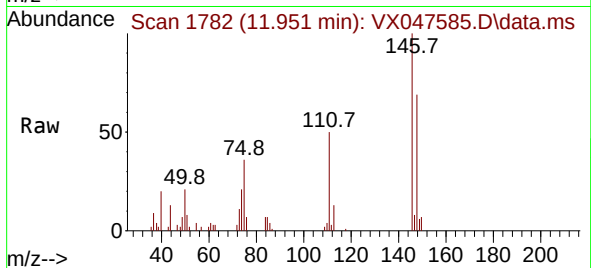
Tgt Ion:146 Resp: 5907

Ion Ratio Lower Upper

146 100

111 42.2 21.5 64.5

148 65.5 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 0.819 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. -0.073 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

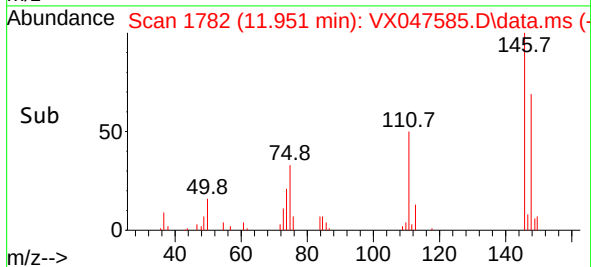
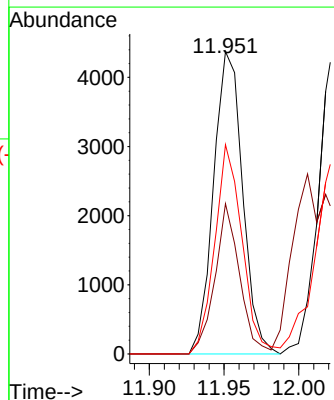
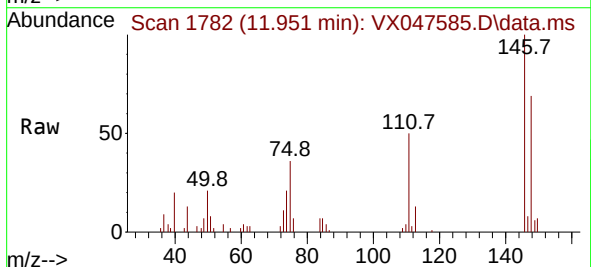
Tgt Ion:146 Resp: 5907

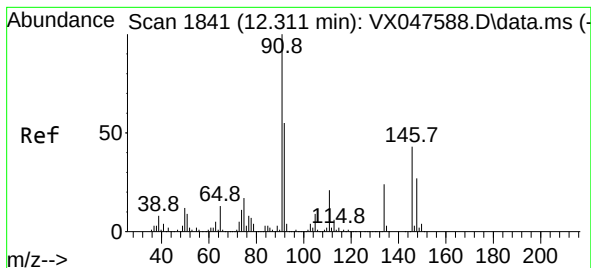
Ion Ratio Lower Upper

146 100

111 42.2 20.8 62.4

148 65.5 31.7 95.1





#89

n-Butylbenzene

Concen: 0.816 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

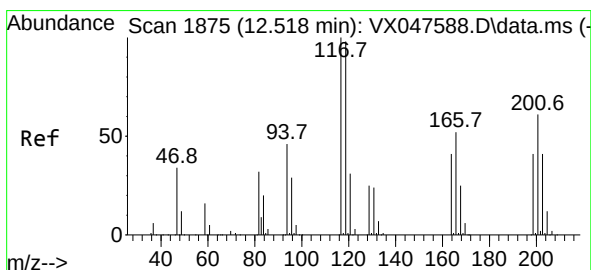
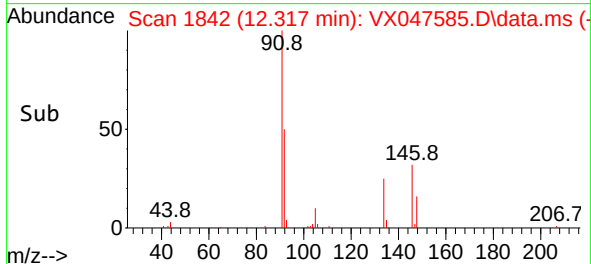
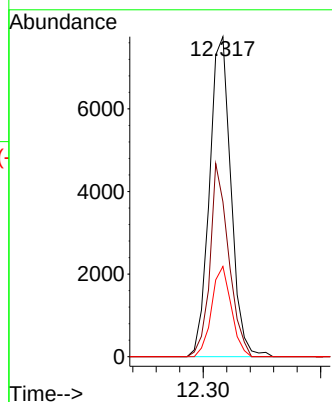
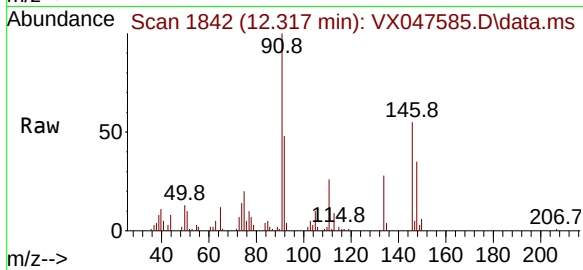
Tgt Ion: 91 Resp: 9811

Ion Ratio Lower Upper

91 100

92 52.4 27.6 82.7

134 25.9 12.6 37.8



#90

Hexachloroethane

Concen: 0.768 ug/l

RT: 12.524 min Scan# 1876

Delta R.T. 0.006 min

Lab File: VX047585.D

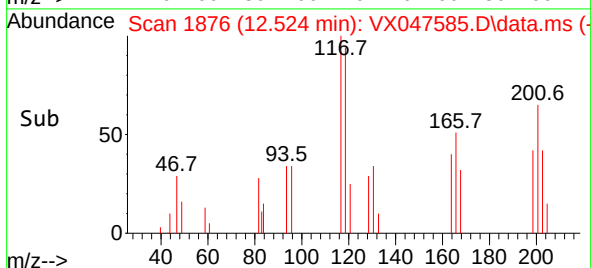
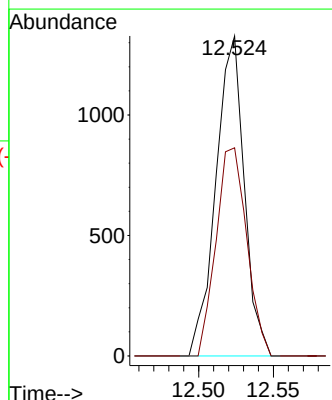
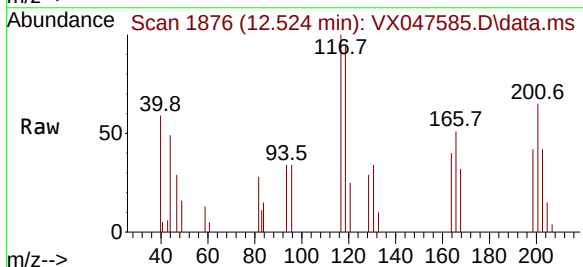
Acq: 16 Sep 2025 09:23

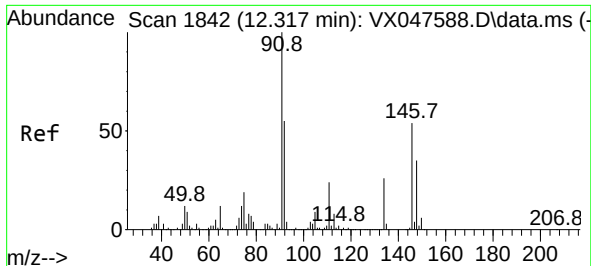
Tgt Ion: 117 Resp: 1752

Ion Ratio Lower Upper

117 100

201 70.4 34.2 102.5

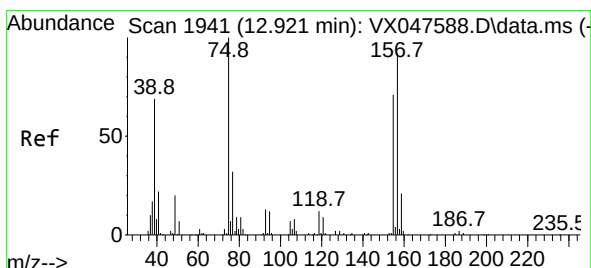
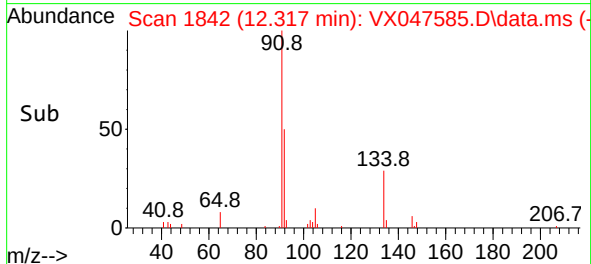
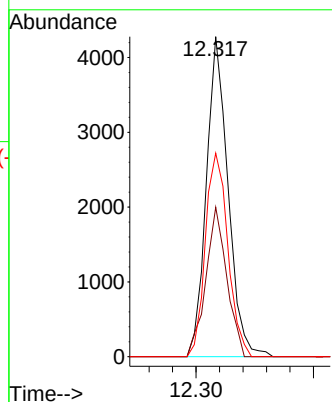
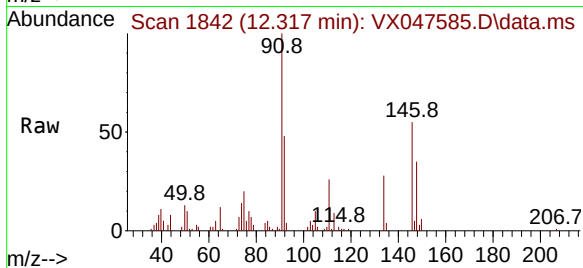




#91
1,2-Dichlorobenzene
Concen: 0.820 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

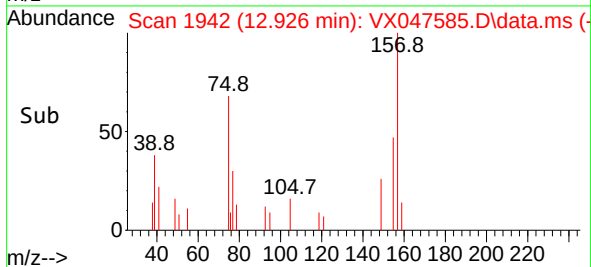
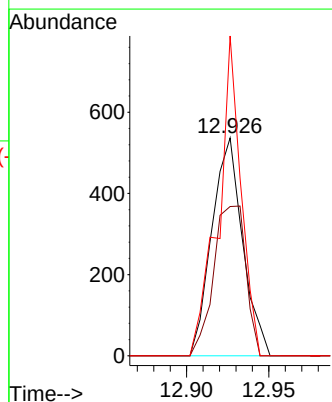
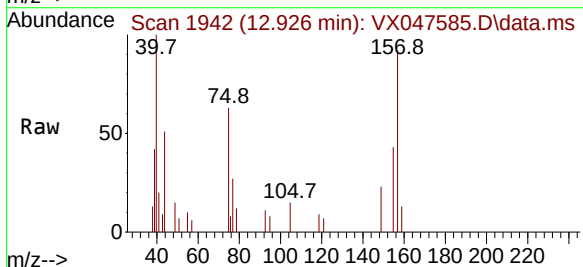
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

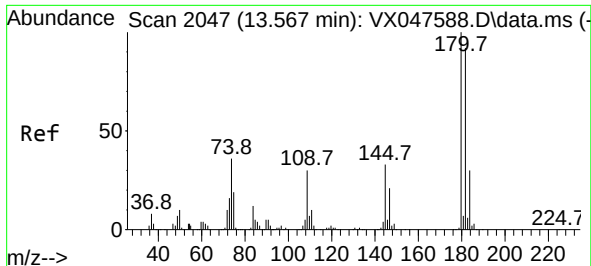
Tgt Ion:146 Resp: 5491
Ion Ratio Lower Upper
146 100
111 45.2 22.2 66.6
148 65.8 31.8 95.4



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.742 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 698
Ion Ratio Lower Upper
75 100
155 72.1 37.7 113.1
157 108.7 49.8 149.4

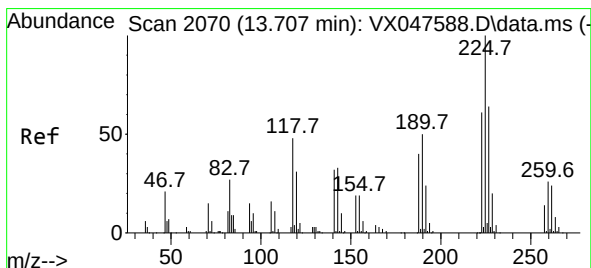
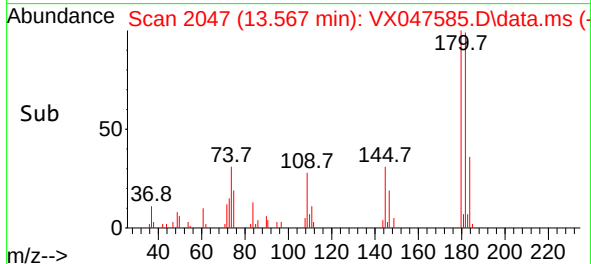
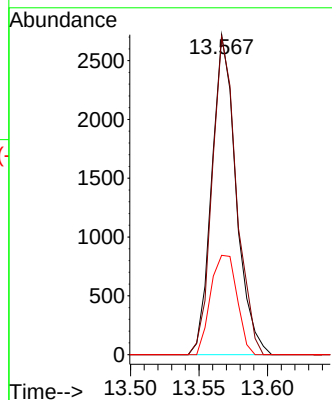
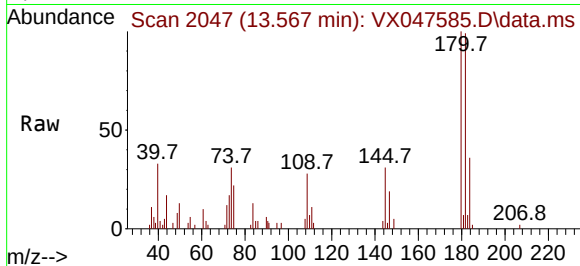




#93
1,2,4-Trichlorobenzene
Concen: 0.772 ug/l
RT: 13.567 min Scan# 2047
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

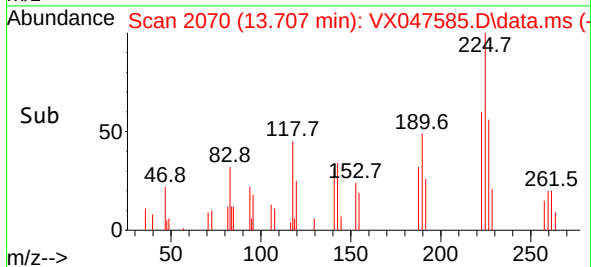
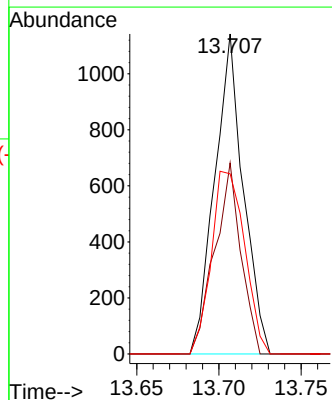
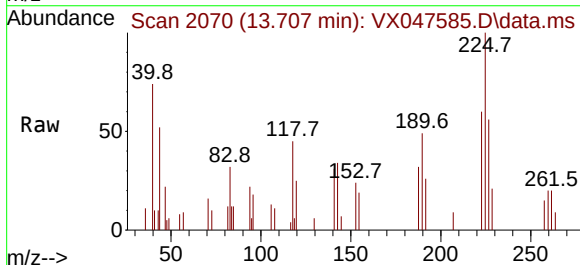
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

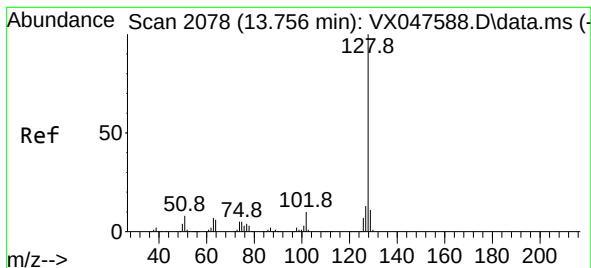
Tgt Ion:180	Resp:	3358
Ion Ratio	Lower	Upper
180	100	
182	98.6	46.6 139.8
145	33.7	16.4 49.1



#94
Hexachlorobutadiene
Concen: 0.933 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:225	Resp:	1378
Ion Ratio	Lower	Upper
225	100	
223	54.8	31.7 95.1
227	66.7	32.0 96.0





#95

Naphthalene

Concen: 0.763 ug/l

RT: 13.756 min Scan# 2109

Delta R.T. -0.000 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

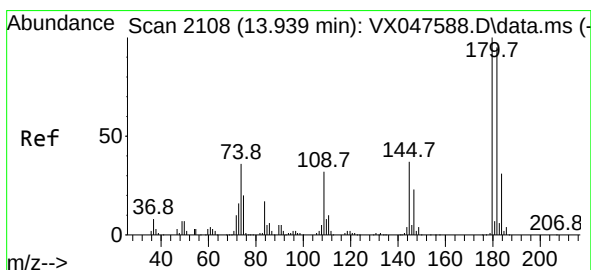
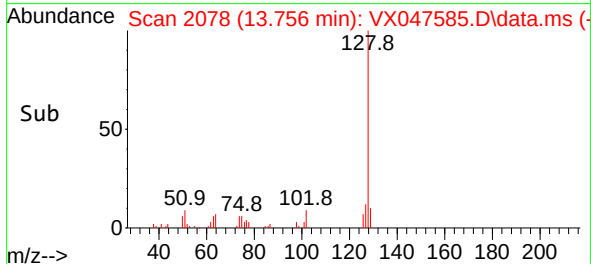
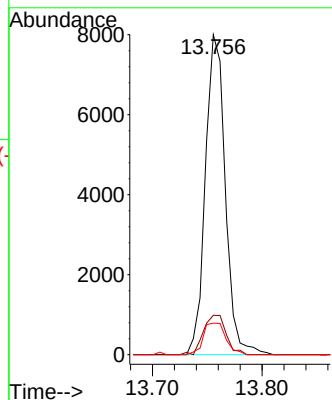
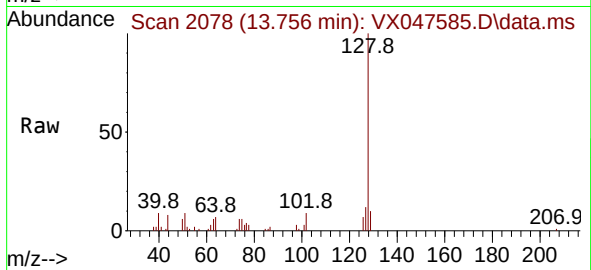
Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:128	Resp:	10112
Ion Ratio	Lower	Upper
128	100	
127	14.0	10.2 15.2
129	11.2	8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.752 ug/l

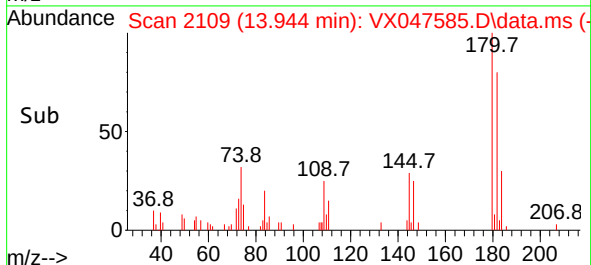
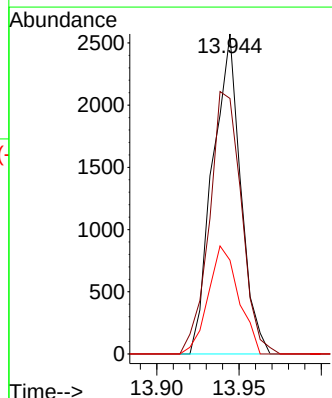
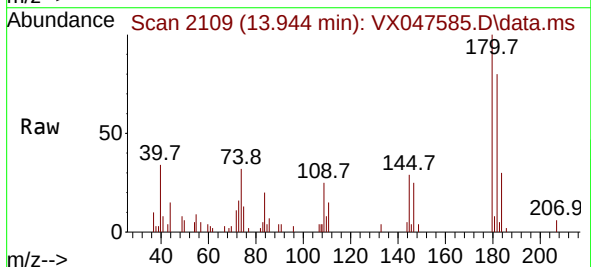
RT: 13.944 min Scan# 2109

Delta R.T. 0.006 min

Lab File: VX047585.D

Acq: 16 Sep 2025 09:23

Tgt Ion:180	Resp:	3043
Ion Ratio	Lower	Upper
180	100	
182	93.7	47.6 142.8
145	36.6	17.9 53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047586.D
 Acq On : 16 Sep 2025 10:16
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 22 01:48:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	198376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	355026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	317288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	156219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	17538	5.554	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	11.100%#
35) Dibromofluoromethane	5.373	113	12647	5.312	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.620%#
50) Toluene-d8	8.635	98	43926	5.332	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	10.660%#
62) 4-Bromofluorobenzene	11.061	95	16974	5.429	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	10.860%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	11403	5.551	ug/l	93
3) Chloromethane	1.301	50	14854	5.502	ug/l	99
4) Vinyl Chloride	1.380	62	14147	5.353	ug/l	97
5) Bromomethane	1.618	94	9780	5.836	ug/l	87
6) Chloroethane	1.697	64	8926	5.053	ug/l	96
7) Trichlorofluoromethane	1.898	101	20497	5.223	ug/l	100
8) Diethyl Ether	2.136	74	8039	5.008	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	11729	5.112	ug/l	98
10) Methyl Iodide	2.453	142	17159	4.795	ug/l	98
11) Tert butyl alcohol	2.947	59	8399	23.883	ug/l	99
12) 1,1-Dichloroethene	2.325	96	12131	5.147	ug/l	91
13) Acrolein	2.239	56	7080	21.847	ug/l	95
14) Allyl chloride	2.666	41	25135	5.168	ug/l	99
15) Acrylonitrile	3.062	53	32587	25.016	ug/l	99
16) Acetone	2.374	43	41297	30.079	ug/l	97
17) Carbon Disulfide	2.514	76	34426	5.335	ug/l	100
18) Methyl Acetate	2.703	43	13357	4.371	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	44396	5.160	ug/l	98
20) Methylene Chloride	2.788	84	15307	5.267	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	13937	5.492	ug/l	97
22) Diisopropyl ether	3.757	45	50213	5.327	ug/l	98
23) Vinyl Acetate	3.715	43	192175	25.474	ug/l	99
24) 1,1-Dichloroethane	3.611	63	26292	5.248	ug/l	97
25) 2-Butanone	4.544	43	46651	27.240	ug/l	92
26) 2,2-Dichloropropane	4.465	77	21738	5.220	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	15996	5.147	ug/l	98
28) Bromochloromethane	4.891	49	12047	5.508	ug/l	95
29) Tetrahydrofuran	4.995	42	26729	25.944	ug/l	92
30) Chloroform	5.080	83	27054	5.344	ug/l	99
31) Cyclohexane	5.458	56	23032	5.520	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	22279	5.188	ug/l	96
36) 1,1-Dichloropropene	5.684	75	18455	5.304	ug/l	98
37) Ethyl Acetate	4.708	43	19913	5.345	ug/l #	97
38) Carbon Tetrachloride	5.666	117	20376	5.390	ug/l	96
39) Methylcyclohexane	7.367	83	20900	5.292	ug/l	97
40) Benzene	6.019	78	55996	5.299	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047586.D
 Acq On : 16 Sep 2025 10:16
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 22 01:48:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	9390	4.883	ug/l	95
42) 1,2-Dichloroethane	6.074	62	21117	5.252	ug/l	99
43) Isopropyl Acetate	6.324	43	31304	5.124	ug/l	99
44) Trichloroethene	7.111	130	13576	5.314	ug/l	97
45) 1,2-Dichloropropane	7.415	63	14305	5.287	ug/l	99
46) Dibromomethane	7.568	93	10133	5.146	ug/l	99
47) Bromodichloromethane	7.806	83	21270	5.235	ug/l	99
48) Methyl methacrylate	7.677	41	14959	4.915	ug/l	99
49) 1,4-Dioxane	7.653	88	3017	98.096	ug/l #	90
51) 4-Methyl-2-Pentanone	8.555	43	87492	25.828	ug/l	100
52) Toluene	8.702	92	34314	5.271	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	20863	5.034	ug/l	97
54) cis-1,3-Dichloropropene	8.354	75	23157	5.227	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	12968	5.166	ug/l	91
56) Ethyl methacrylate	9.104	69	19980	5.068	ug/l	97
57) 1,3-Dichloropropane	9.293	76	22989	5.331	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	37585	27.899	ug/l	98
59) 2-Hexanone	9.415	43	66356	27.275	ug/l	99
60) Dibromochloromethane	9.506	129	14705	5.084	ug/l	95
61) 1,2-Dibromoethane	9.592	107	13461	5.264	ug/l	98
64) Tetrachloroethene	9.256	164	11228	5.428	ug/l	97
65) Chlorobenzene	10.061	112	37507	5.203	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.147	131	12807	5.149	ug/l	99
67) Ethyl Benzene	10.177	91	65908	5.299	ug/l	100
68) m/p-Xylenes	10.287	106	49132	10.613	ug/l	99
69) o-Xylene	10.628	106	23300	5.204	ug/l	98
70) Styrene	10.640	104	40872	5.210	ug/l	99
71) Bromoform	10.781	173	9298	5.006	ug/l #	97
73) Isopropylbenzene	10.945	105	61029	5.139	ug/l	100
74) N-amyl acetate	10.823	43	26969	4.980	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	18462	5.138	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	18494	5.847	ug/l	96
77) Bromobenzene	11.183	156	15066	5.150	ug/l	99
78) n-propylbenzene	11.287	91	72900	5.192	ug/l	100
79) 2-Chlorotoluene	11.348	91	44663	5.194	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	50535	5.179	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	5413	4.364	ug/l	91
82) 4-Chlorotoluene	11.439	91	52294	5.149	ug/l	100
83) tert-Butylbenzene	11.695	119	50350	5.041	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	51583	5.214	ug/l	100
85) sec-Butylbenzene	11.872	105	62507	5.268	ug/l	99
86) p-Isopropyltoluene	11.994	119	52674	5.244	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	28116	5.175	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	29519	5.294	ug/l	93
89) n-Butylbenzene	12.317	91	47953	5.159	ug/l	99
90) Hexachloroethane	12.518	117	8830	5.007	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	26409	5.102	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	3412	4.690	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	17167	5.103	ug/l	98
94) Hexachlorobutadiene	13.707	225	5894	5.158	ug/l	99
95) Naphthalene	13.756	128	49257	4.808	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	15400	4.921	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

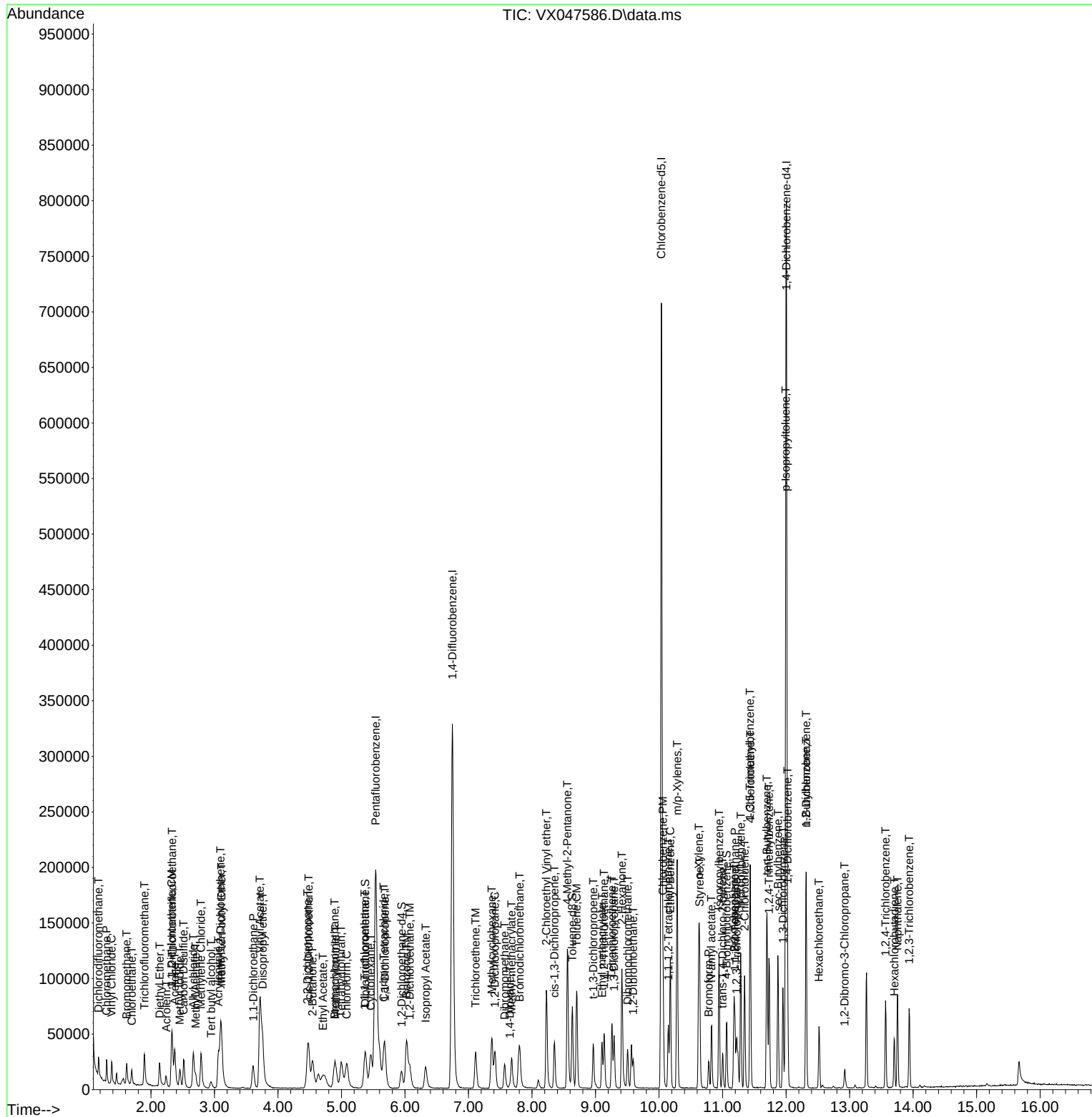
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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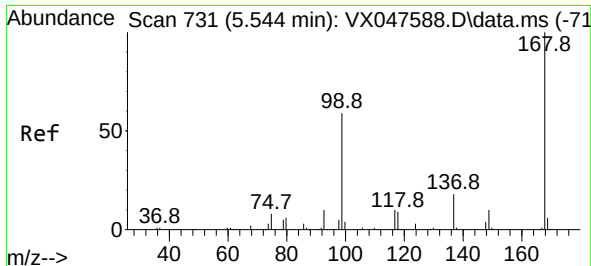
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

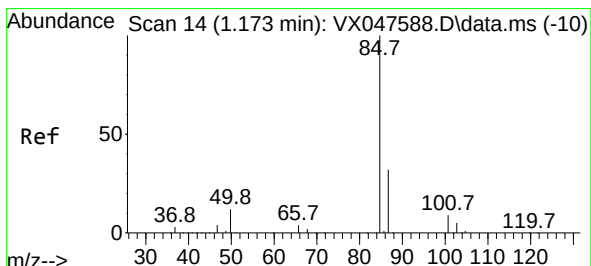
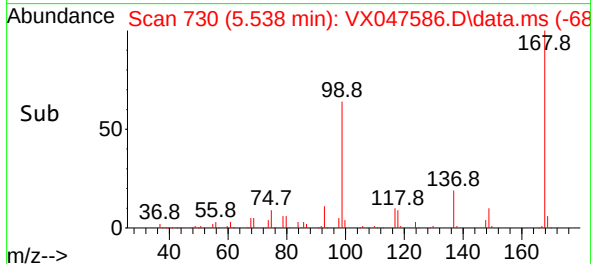
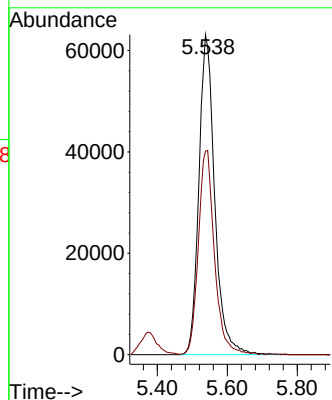
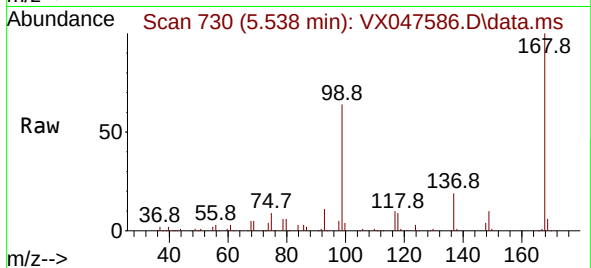




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

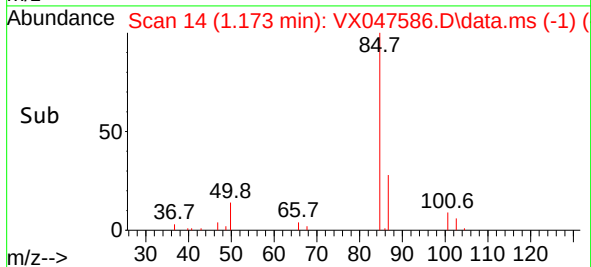
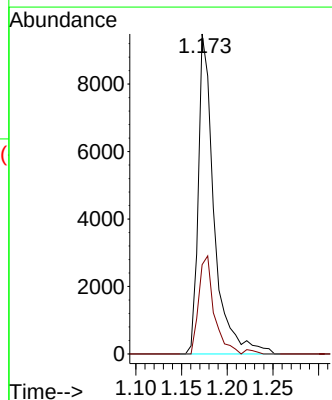
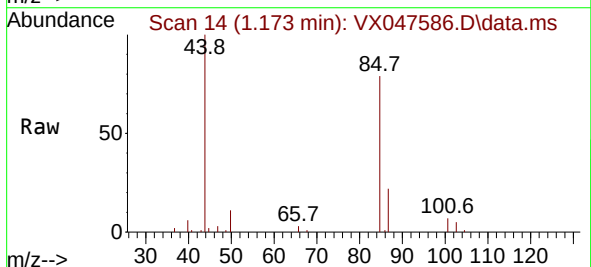
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

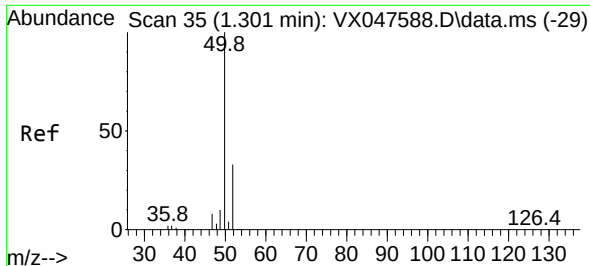
Tgt Ion:168 Resp: 198376
Ion Ratio Lower Upper
168 100
99 63.5 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 5.551 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 85 Resp: 11403
Ion Ratio Lower Upper
85 100
87 27.9 15.8 47.3

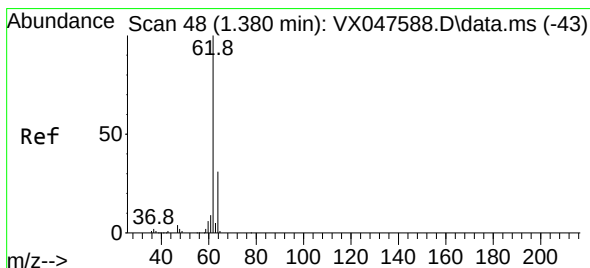
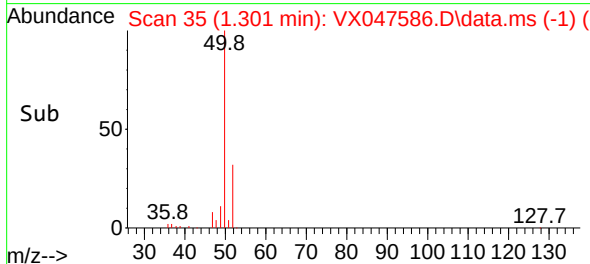
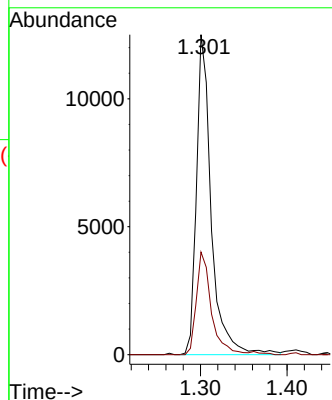
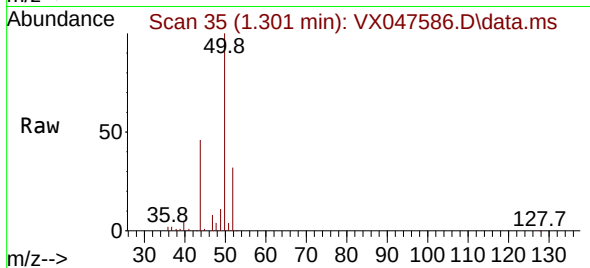




#3
Chloromethane
Concen: 5.502 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

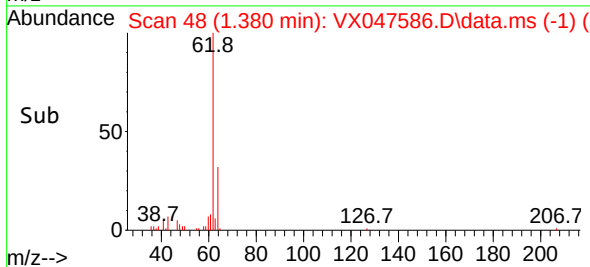
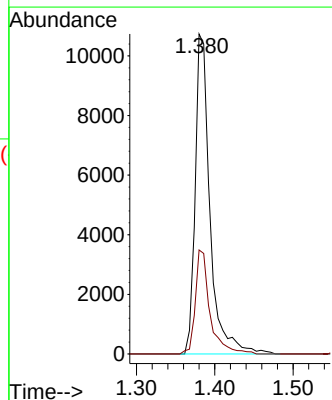
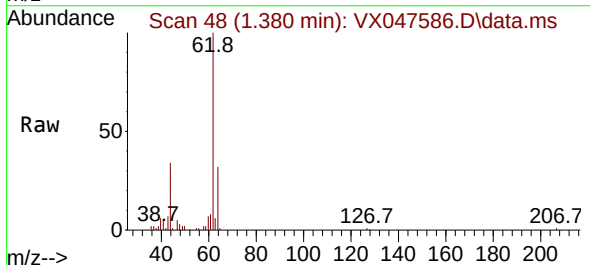
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

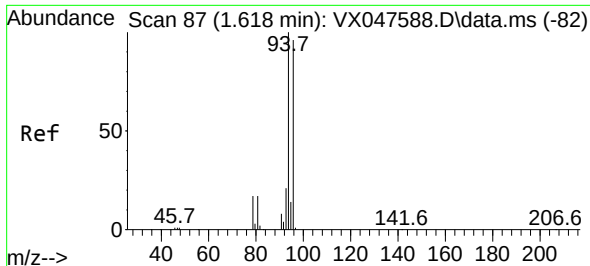
Tgt Ion: 50 Resp: 14854
Ion Ratio Lower Upper
50 100
52 32.0 26.1 39.1



#4
Vinyl Chloride
Concen: 5.353 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 14147
Ion Ratio Lower Upper
62 100
64 32.5 24.9 37.3

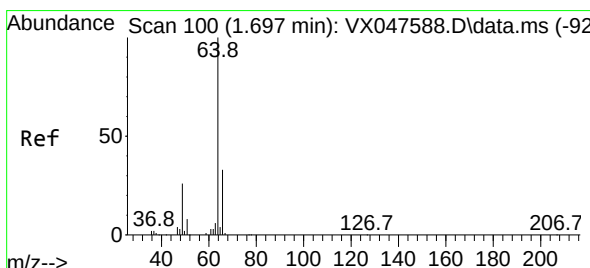
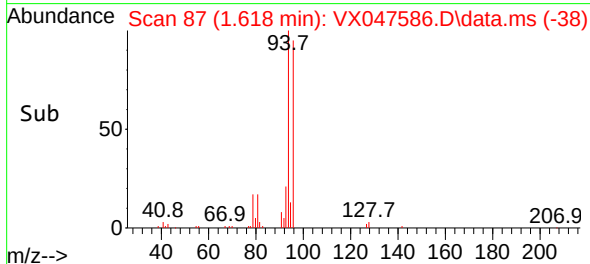
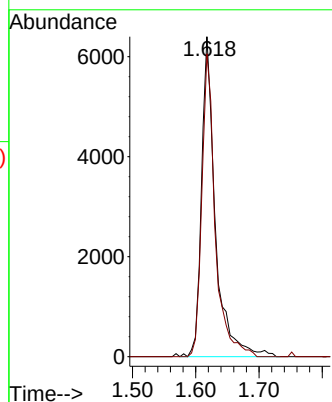
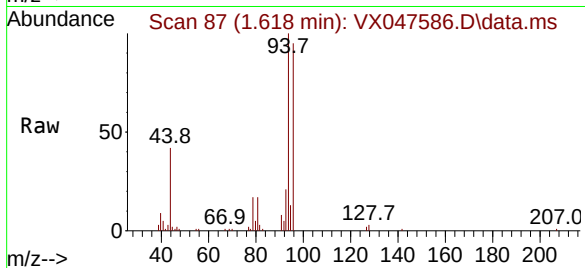




#5
 Bromomethane
 Concen: 5.836 ug/l
 RT: 1.618 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VX047586.D
 Acq: 16 Sep 2025 10:16

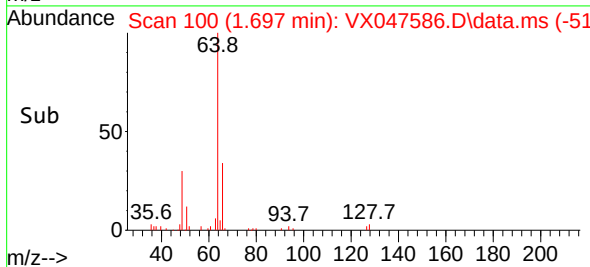
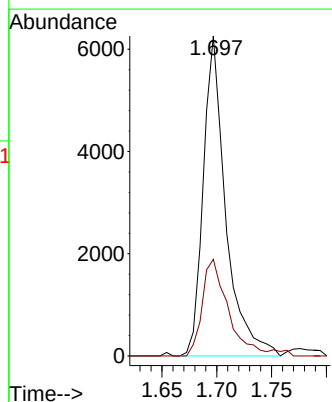
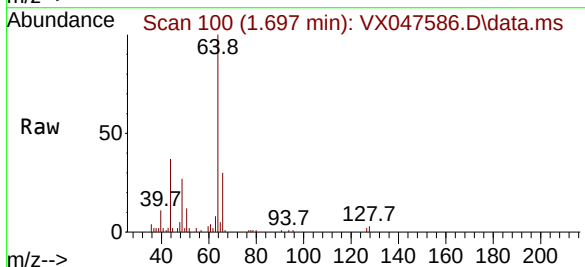
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

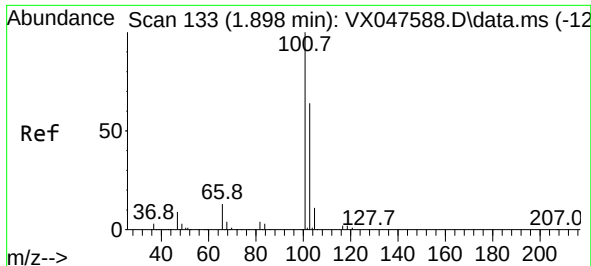
Tgt Ion: 94 Resp: 9780
 Ion Ratio Lower Upper
 94 100
 96 83.6 76.6 115.0



#6
 Chloroethane
 Concen: 5.053 ug/l
 RT: 1.697 min Scan# 100
 Delta R.T. -0.000 min
 Lab File: VX047586.D
 Acq: 16 Sep 2025 10:16

Tgt Ion: 64 Resp: 8926
 Ion Ratio Lower Upper
 64 100
 66 30.2 26.1 39.1

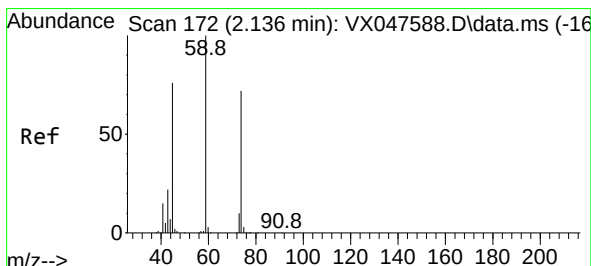
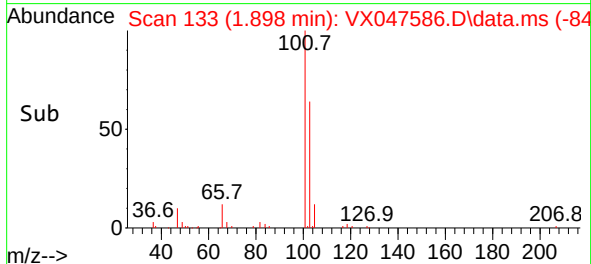
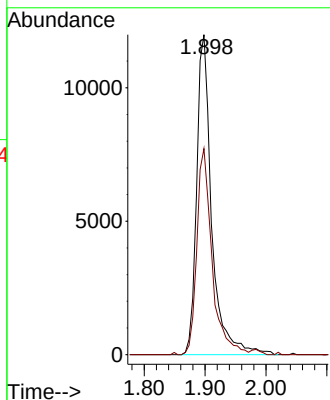
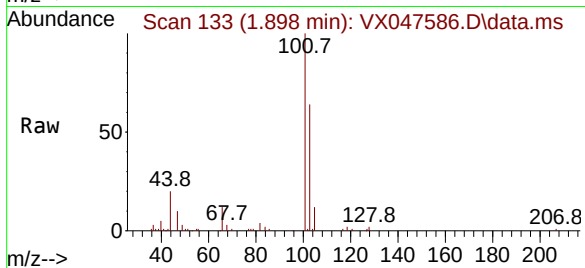




#7
Trichlorofluoromethane
Concen: 5.223 ug/l
RT: 1.898 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

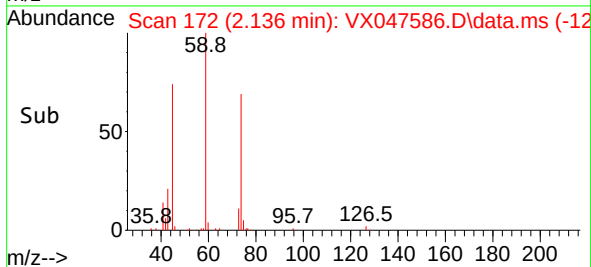
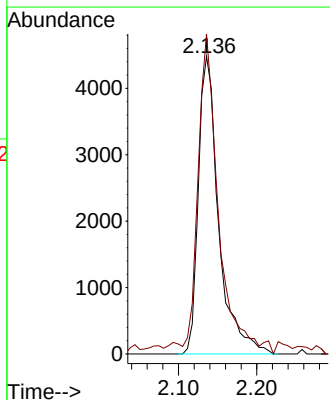
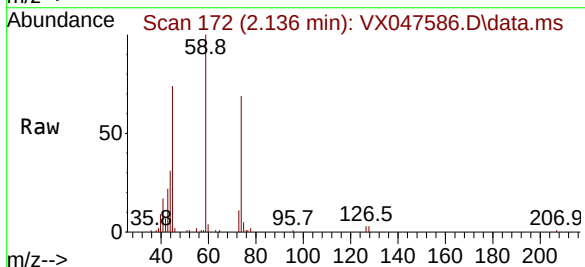
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

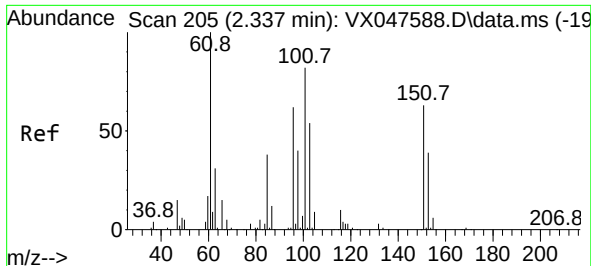
Tgt Ion:101 Resp: 20497
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.2



#8
Diethyl Ether
Concen: 5.008 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 74 Resp: 8039
Ion Ratio Lower Upper
74 100
45 111.7 52.3 156.8

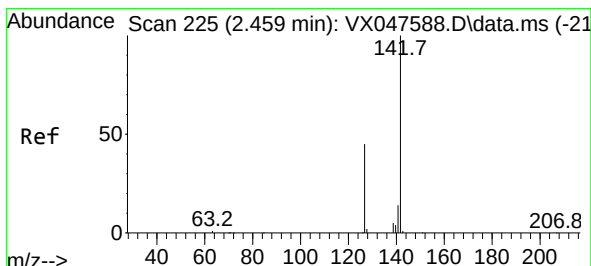
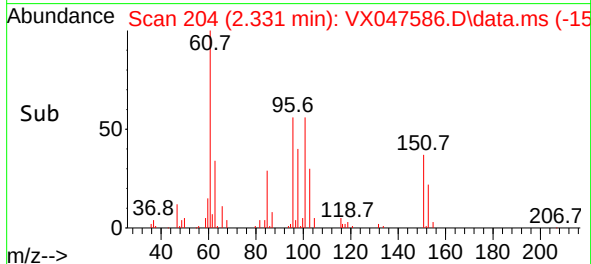
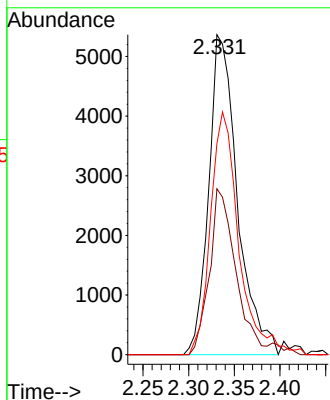
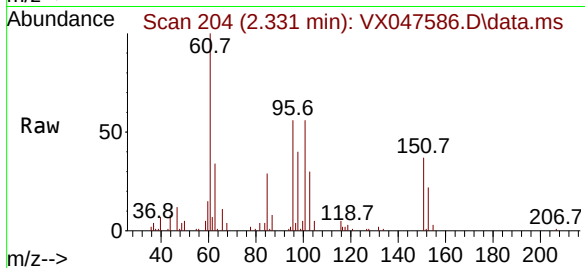




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.112 ug/l
RT: 2.331 min Scan# 205
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

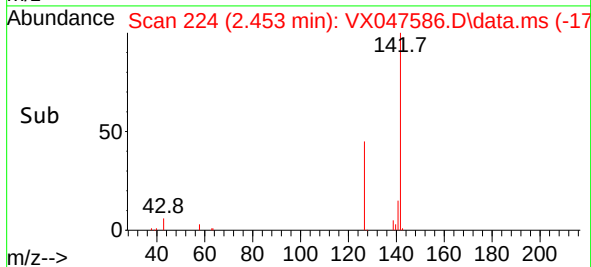
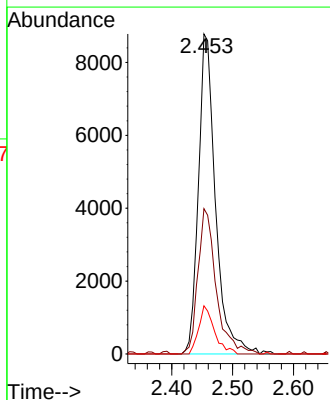
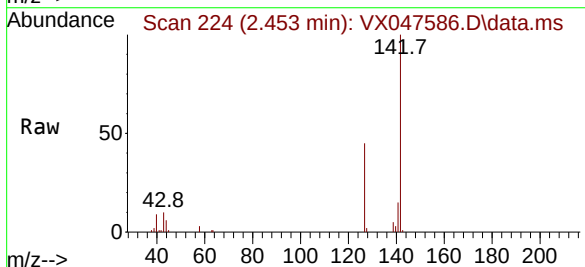
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

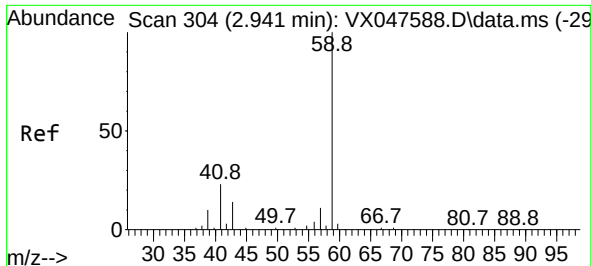
Tgt Ion:101 Resp: 11729
Ion Ratio Lower Upper
101 100
85 47.5 35.5 53.3
151 75.0 59.4 89.0



#10
Methyl Iodide
Concen: 4.795 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:142 Resp: 17159
Ion Ratio Lower Upper
142 100
127 48.4 37.2 55.8
141 13.8 11.4 17.0

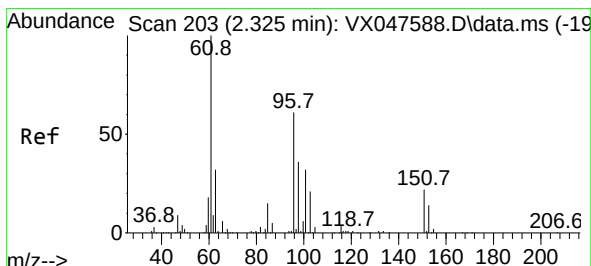
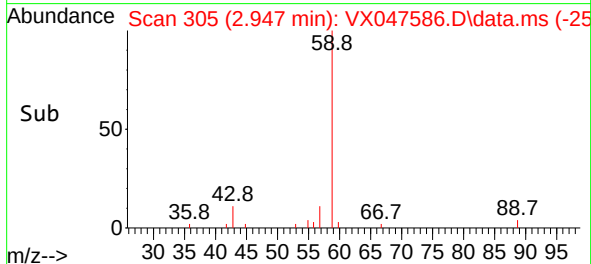
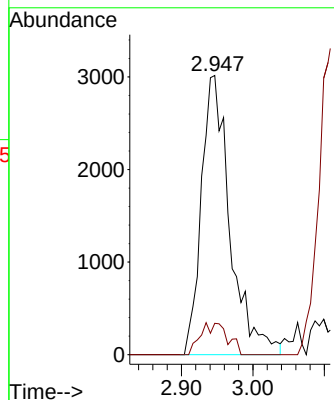
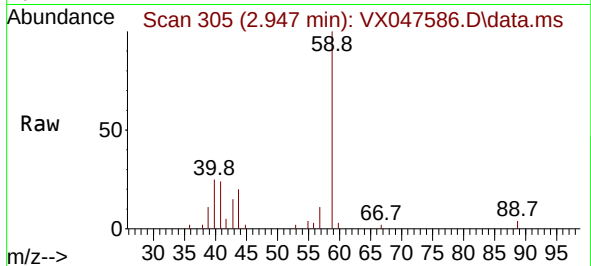




#11
Tert butyl alcohol
Concen: 23.883 ug/l
RT: 2.947 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

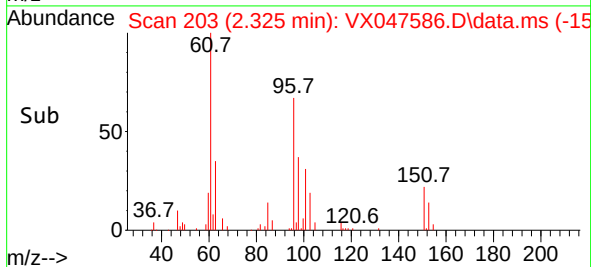
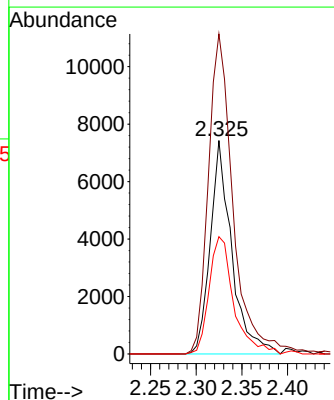
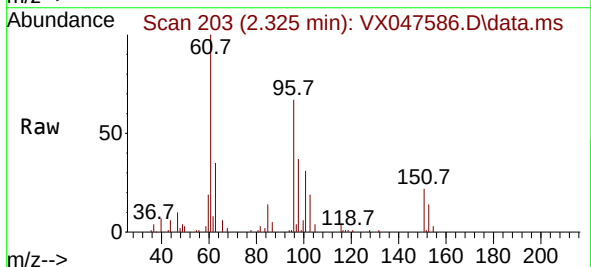
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

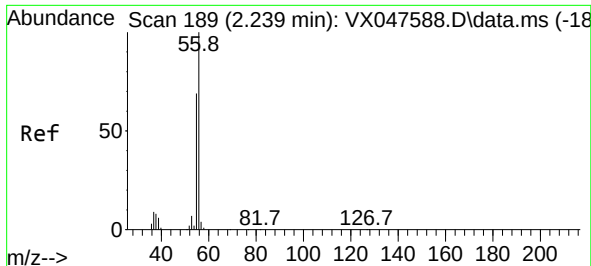
Tgt Ion: 59 Resp: 8399
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5



#12
1,1-Dichloroethene
Concen: 5.147 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 12131
Ion Ratio Lower Upper
96 100
61 149.9 131.0 196.6
98 54.9 47.7 71.5

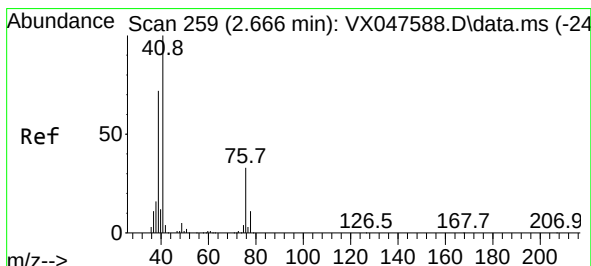
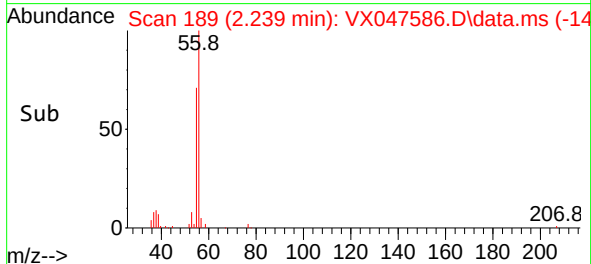
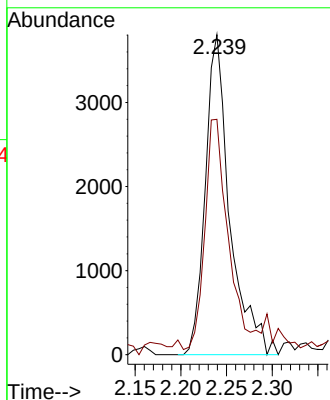
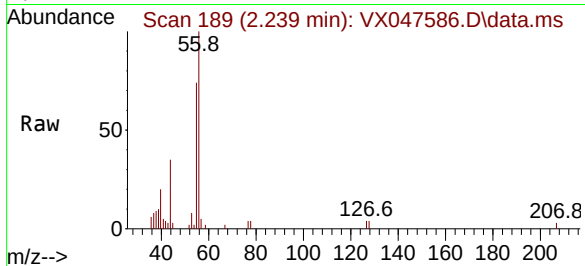




#13
Acrolein
Concen: 21.847 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

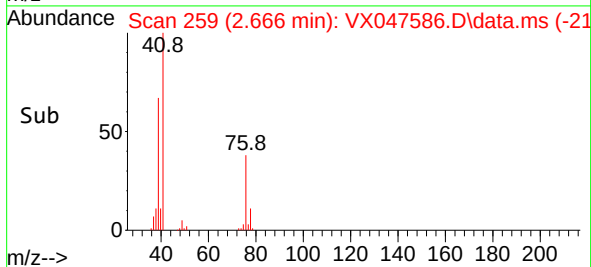
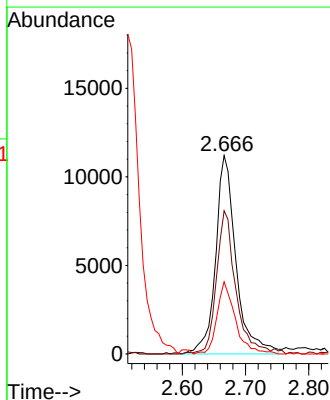
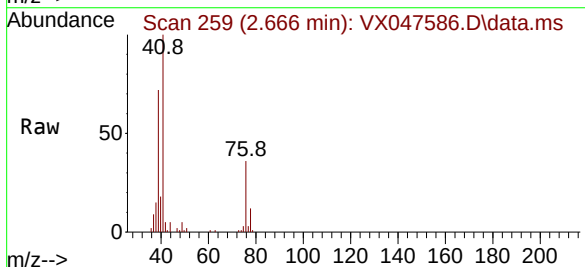
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

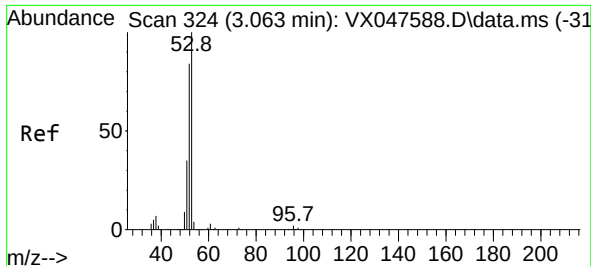
Tgt Ion: 56 Resp: 7080
Ion Ratio Lower Upper
56 100
55 67.1 57.2 85.8



#14
Allyl chloride
Concen: 5.168 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 25135
Ion Ratio Lower Upper
41 100
39 69.1 54.7 82.1
76 32.4 25.7 38.5

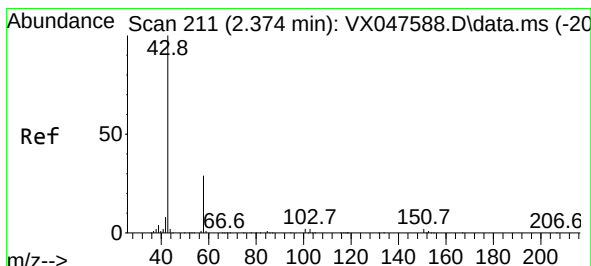
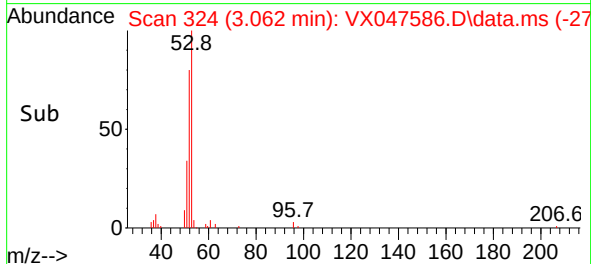
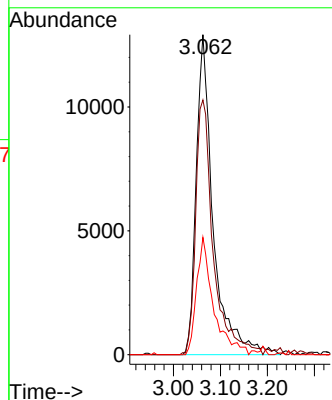
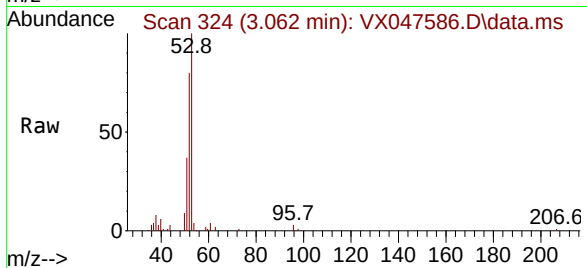




#15
Acrylonitrile
Concen: 25.016 ug/l
RT: 3.062 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

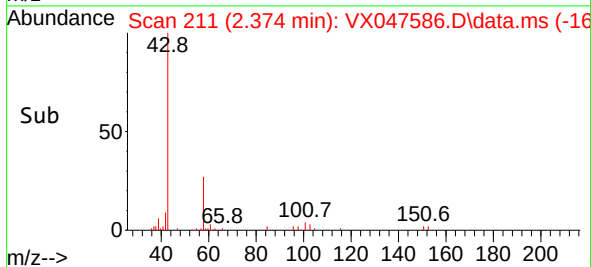
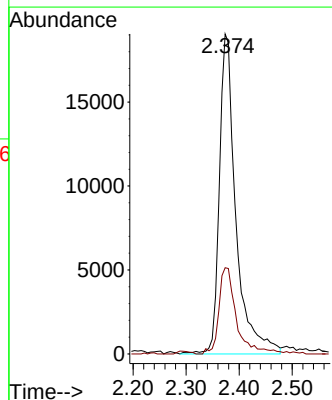
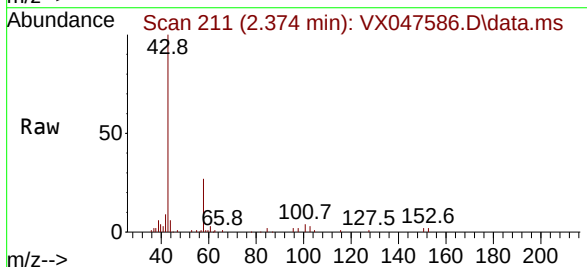
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

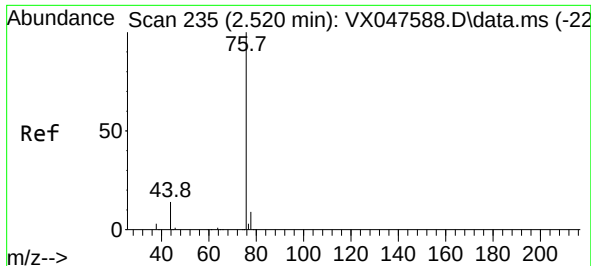
Tgt Ion:	53	Resp:	32587
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.4	99.6
51	36.5	29.5	44.3



#16
Acetone
Concen: 30.079 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:	43	Resp:	41297
Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.4	35.0

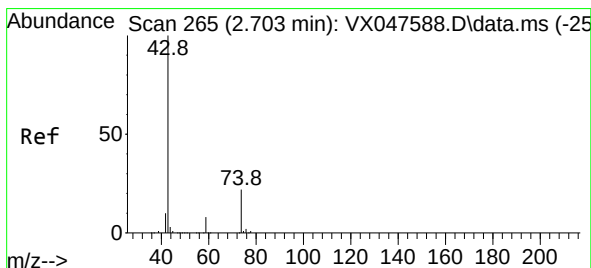
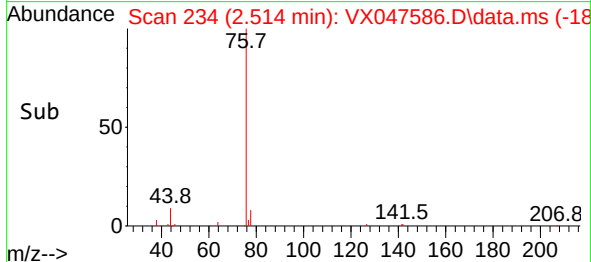
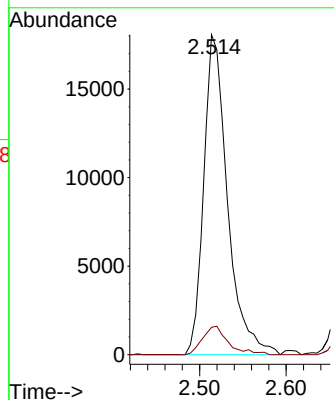
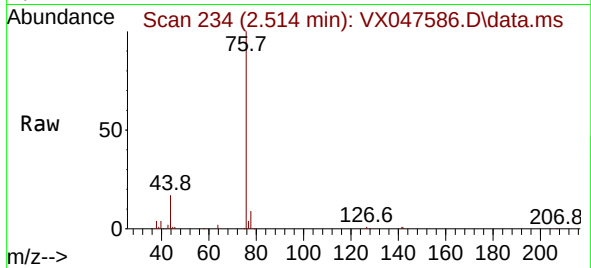




#17
Carbon Disulfide
Concen: 5.335 ug/l
RT: 2.514 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

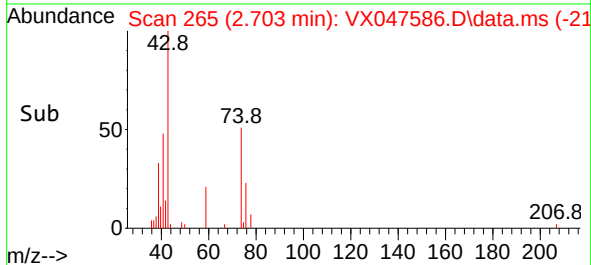
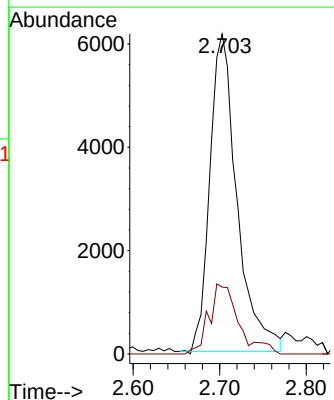
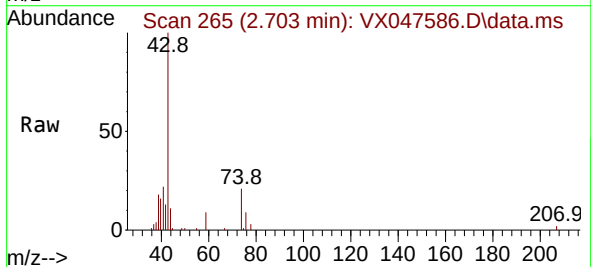
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

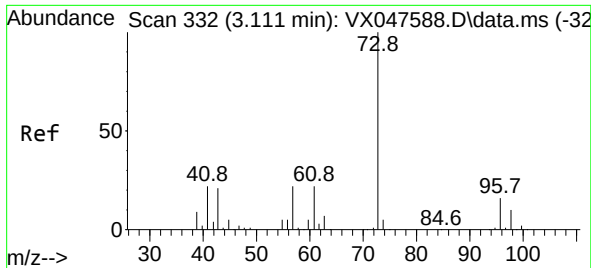
Tgt Ion: 76 Resp: 34426
Ion Ratio Lower Upper
76 100
78 8.6 6.8 10.2



#18
Methyl Acetate
Concen: 4.371 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 13357
Ion Ratio Lower Upper
43 100
74 22.9 17.4 26.2

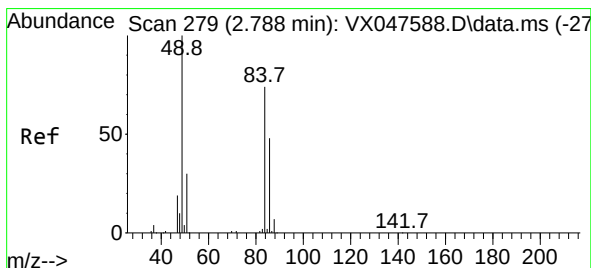
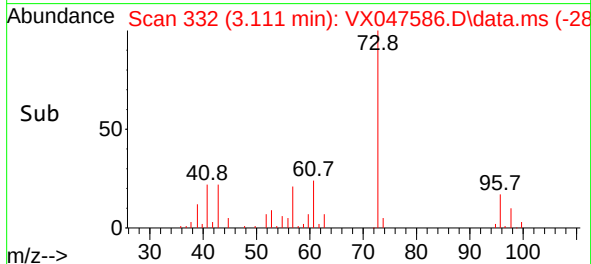
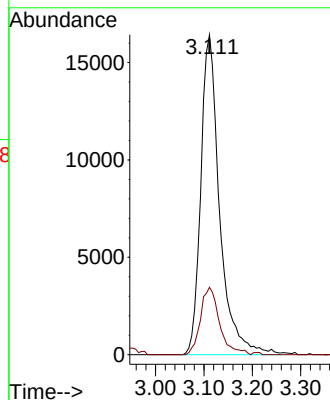
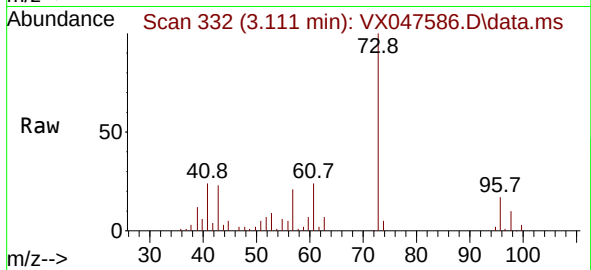




#19
Methyl tert-butyl Ether
Concen: 5.160 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

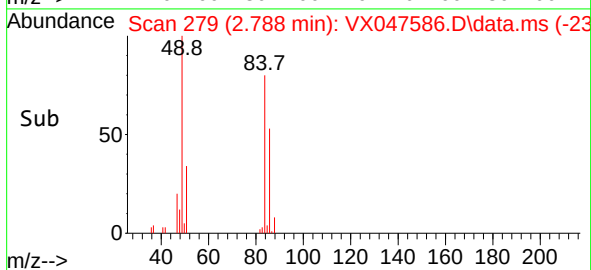
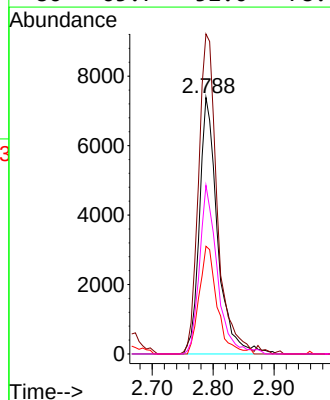
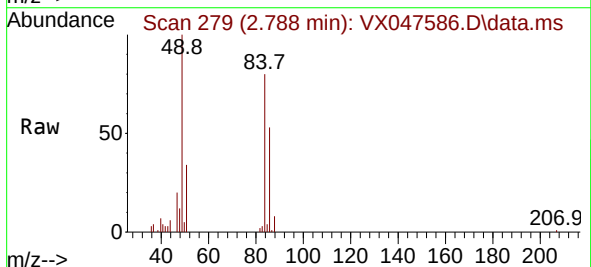
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

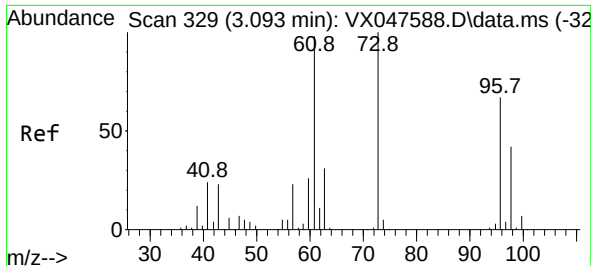
Tgt Ion: 73 Resp: 44396
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.2



#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 84 Resp: 15307
Ion Ratio Lower Upper
84 100
49 124.7 108.6 162.8
51 42.0 32.6 48.8
86 65.7 52.0 78.0

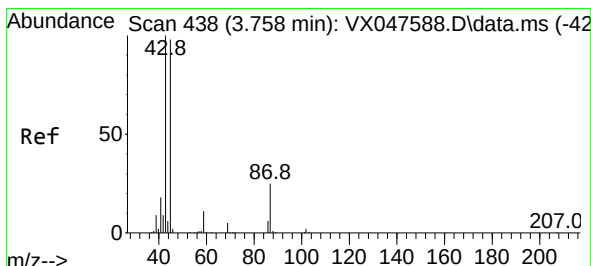
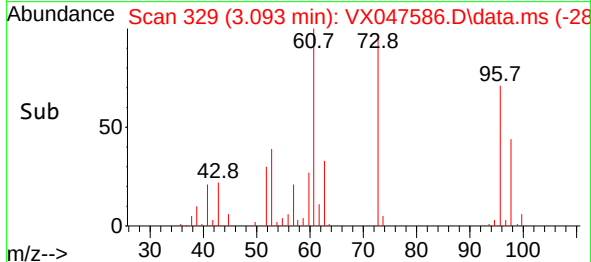
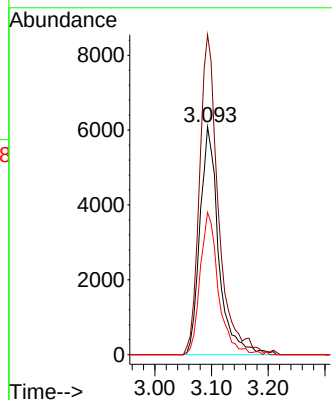
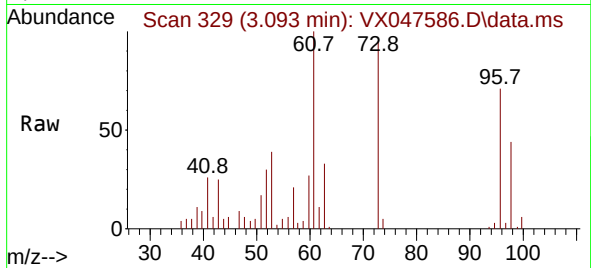




#21
trans-1,2-Dichloroethene
Concen: 5.492 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

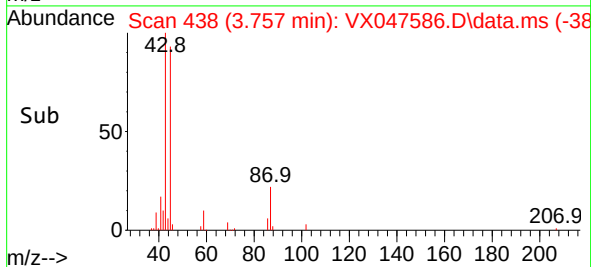
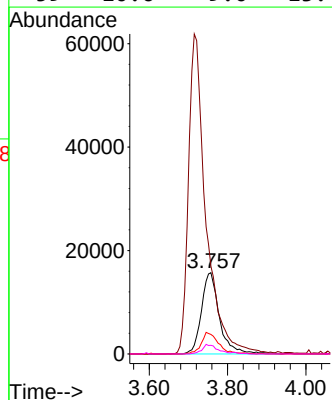
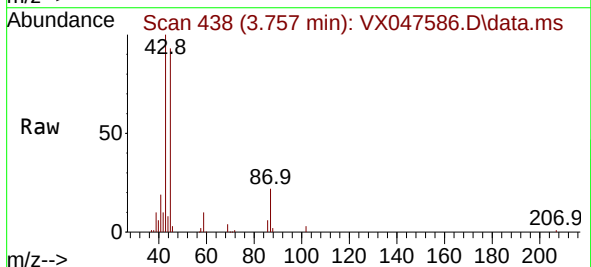
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

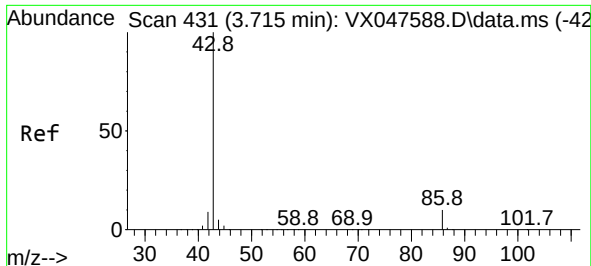
Tgt Ion: 96 Resp: 13937
Ion Ratio Lower Upper
96 100
61 140.4 116.2 174.2
98 62.4 49.3 73.9



#22
Diisopropyl ether
Concen: 5.327 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 45 Resp: 50213
Ion Ratio Lower Upper
45 100
43 102.8 81.0 121.4
87 23.3 20.3 30.5
59 10.6 9.0 13.4

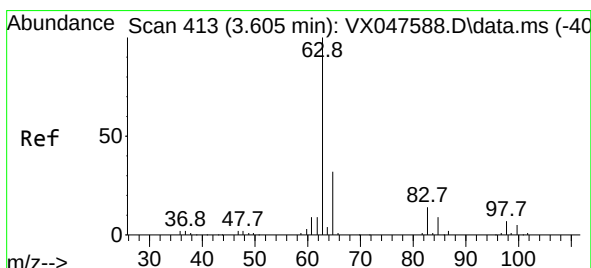
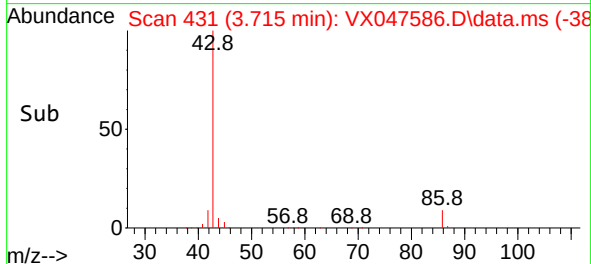
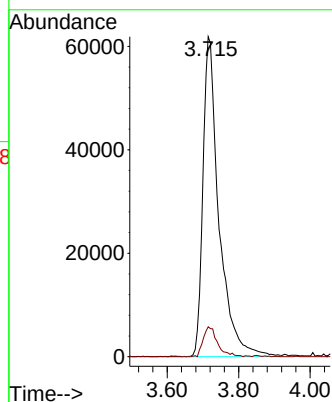
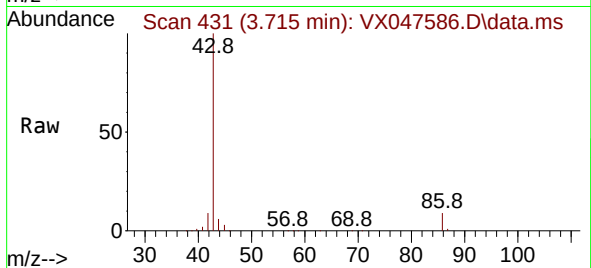




#23
 Vinyl Acetate
 Concen: 25.474 ug/l
 RT: 3.715 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX047586.D
 Acq: 16 Sep 2025 10:16

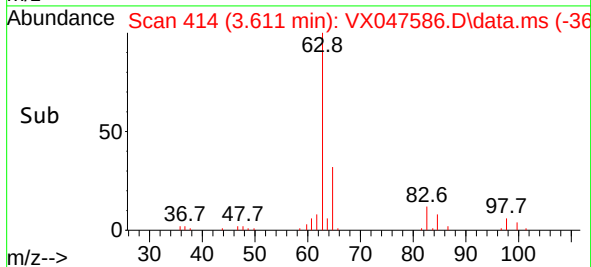
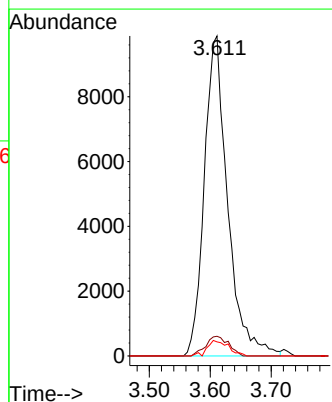
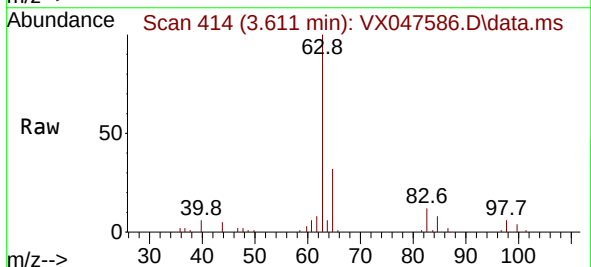
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

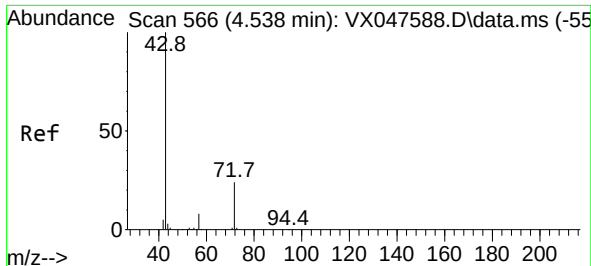
Tgt Ion: 43 Resp: 192175
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 5.248 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.006 min
 Lab File: VX047586.D
 Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 26292
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.8 11.2
 100 4.4 2.3 6.9

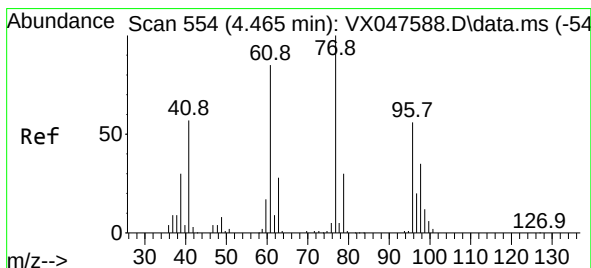
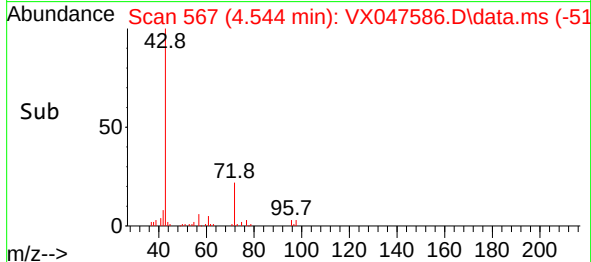
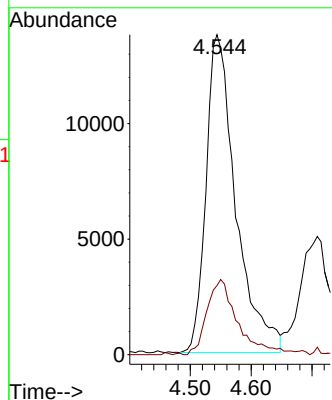
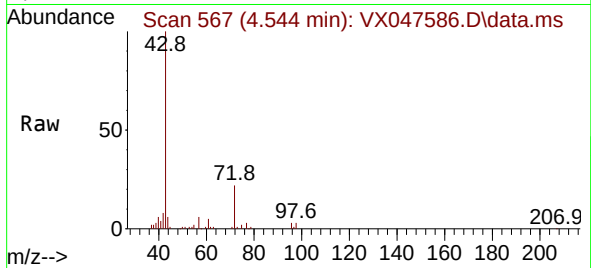




#25
2-Butanone
Concen: 27.240 ug/l
RT: 4.544 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

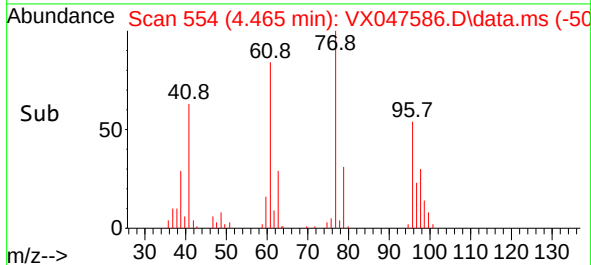
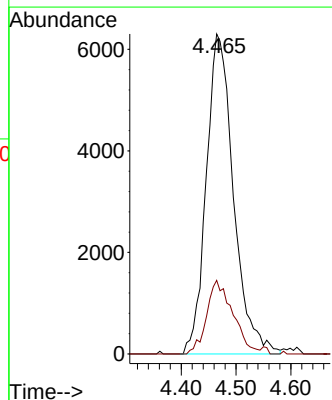
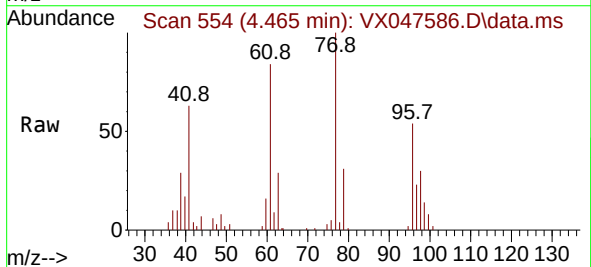
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

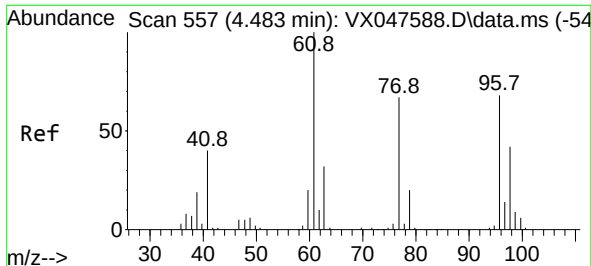
Tgt Ion: 43 Resp: 46651
Ion Ratio Lower Upper
43 100
72 21.3 20.1 30.1



#26
2,2-Dichloropropane
Concen: 5.220 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 77 Resp: 21738
Ion Ratio Lower Upper
77 100
97 22.2 10.9 32.7

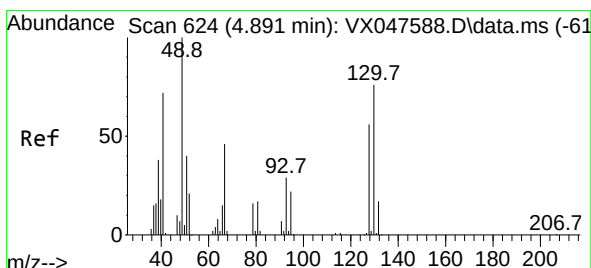
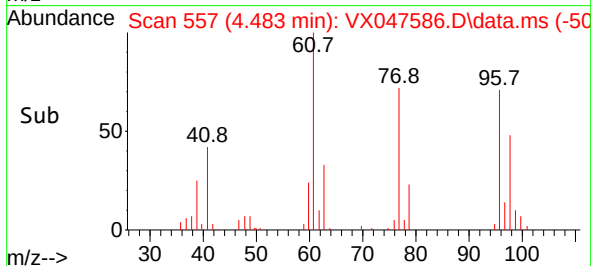
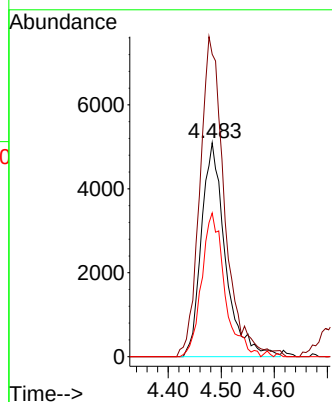
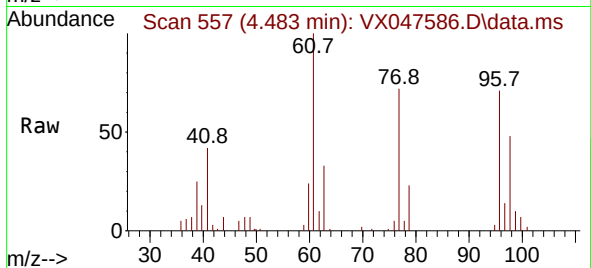




#27
 cis-1,2-Dichloroethene
 Concen: 5.147 ug/l
 RT: 4.483 min Scan# 557
 Delta R.T. -0.000 min
 Lab File: VX047586.D
 Acq: 16 Sep 2025 10:16

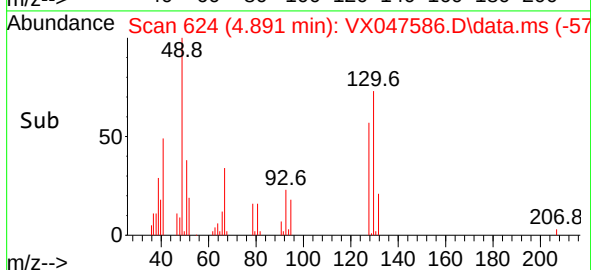
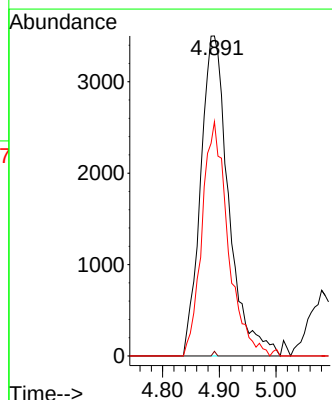
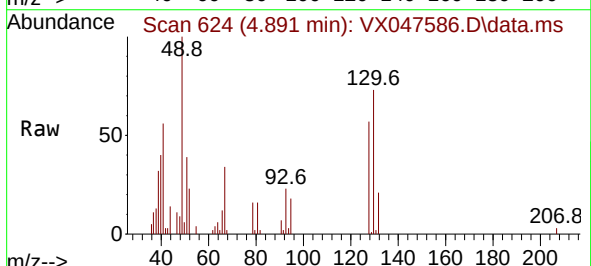
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

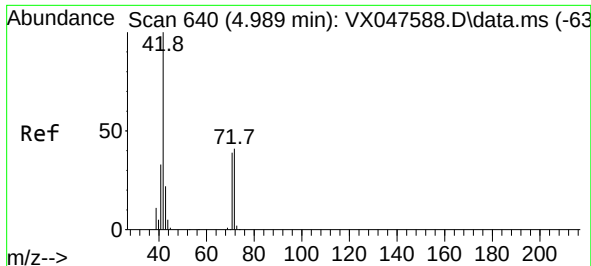
Tgt Ion:	96	Resp:	15996
Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	303.2
98	64.8	0.0	127.8



#28
 Bromochloromethane
 Concen: 5.508 ug/l
 RT: 4.891 min Scan# 624
 Delta R.T. -0.000 min
 Lab File: VX047586.D
 Acq: 16 Sep 2025 10:16

Tgt Ion:	49	Resp:	12047
Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	3.2
130	68.0	57.8	86.8

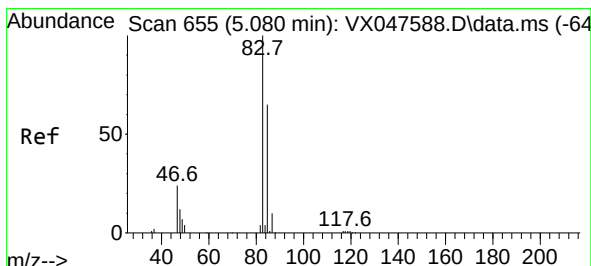
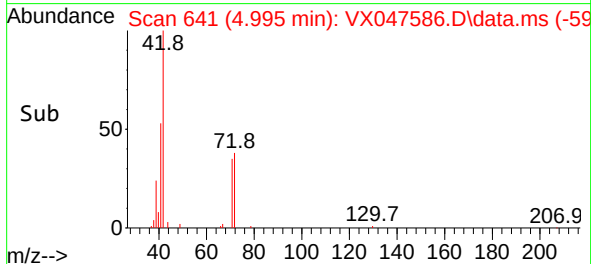
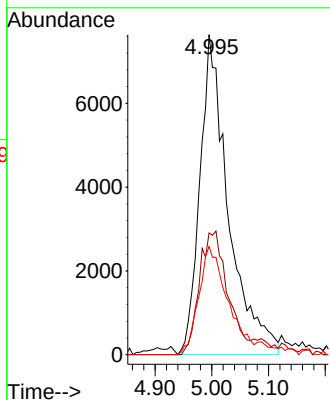
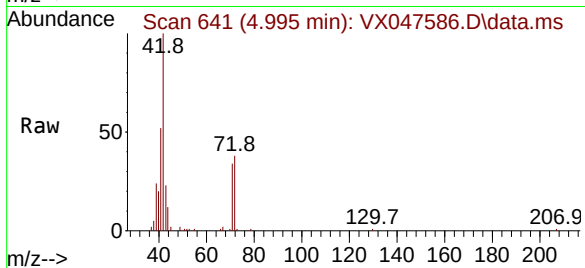




#29
Tetrahydrofuran
Concen: 25.944 ug/l
RT: 4.995 min Scan# 641
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

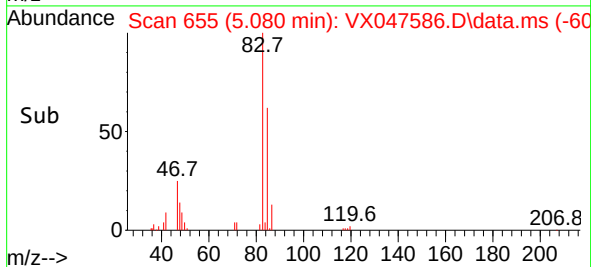
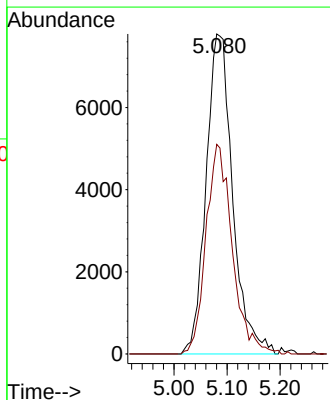
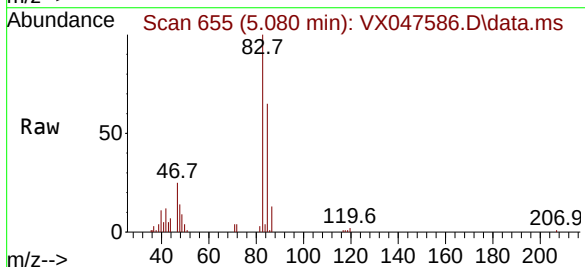
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

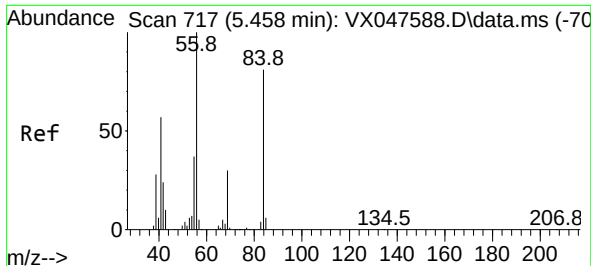
Tgt Ion: 42 Resp: 26729
Ion Ratio Lower Upper
42 100
72 38.7 34.2 51.2
71 34.1 31.9 47.9



#30
Chloroform
Concen: 5.344 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 27054
Ion Ratio Lower Upper
83 100
85 65.5 51.8 77.6

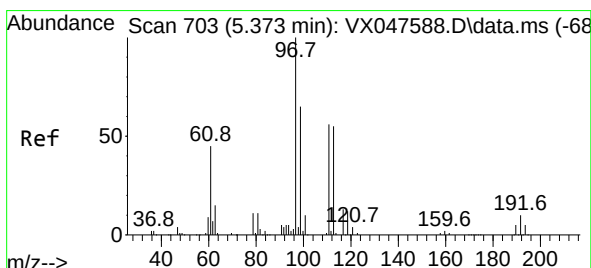
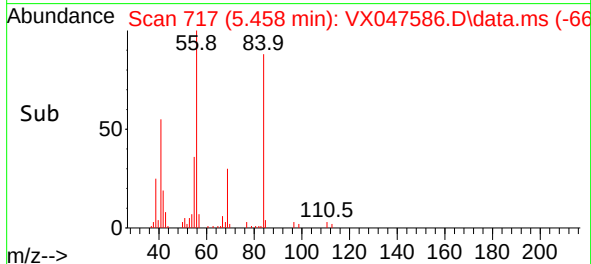
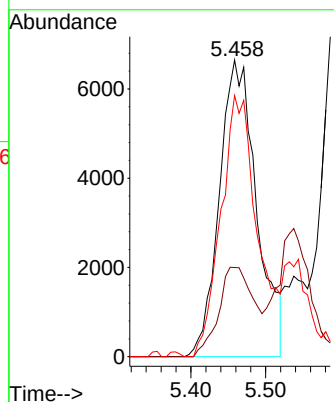
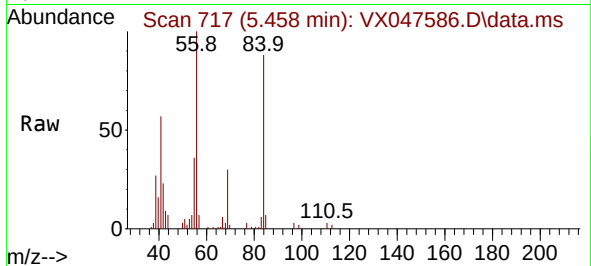




#31
Cyclohexane
Concen: 5.520 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

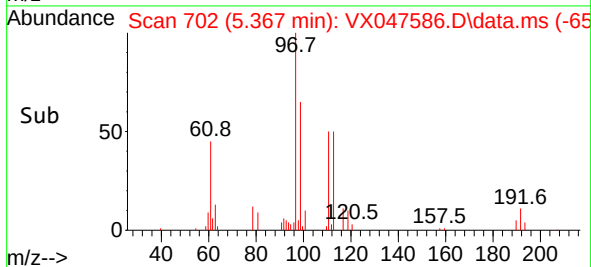
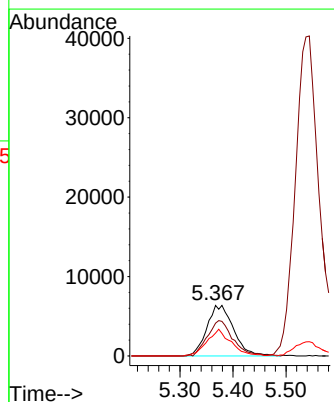
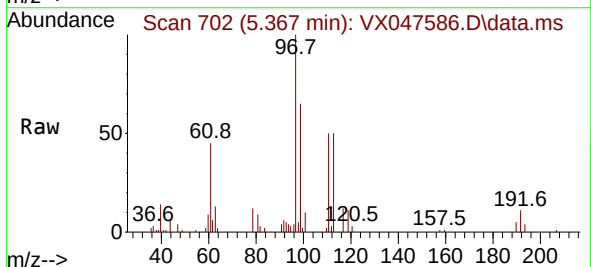
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

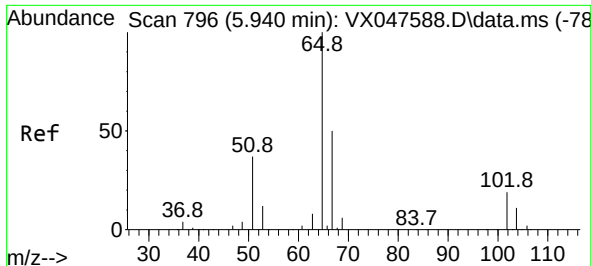
Tgt Ion:	56	Resp:	23032
Ion Ratio	Lower	Upper	
56	100		
69	32.2	23.8	35.8
84	87.1	64.6	97.0



#32
1,1,1-Trichloroethane
Concen: 5.188 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:	97	Resp:	22279
Ion Ratio	Lower	Upper	
97	100		
99	66.4	50.6	76.0
61	47.4	35.8	53.8

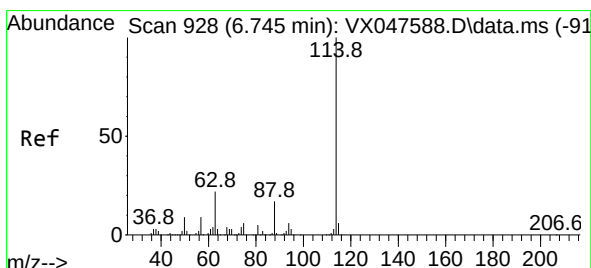
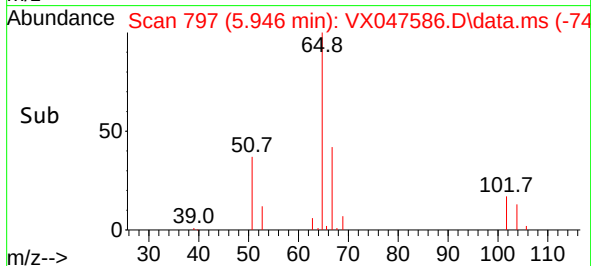
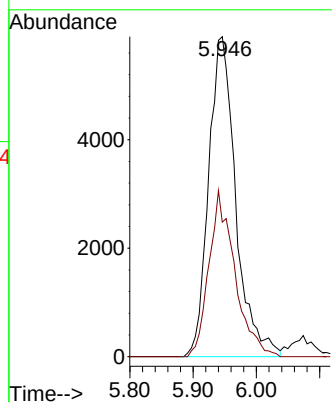
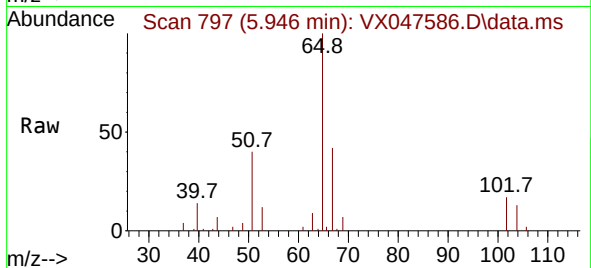




#33
1,2-Dichloroethane-d4
Concen: 5.554 ug/l
RT: 5.946 min Scan# 796
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

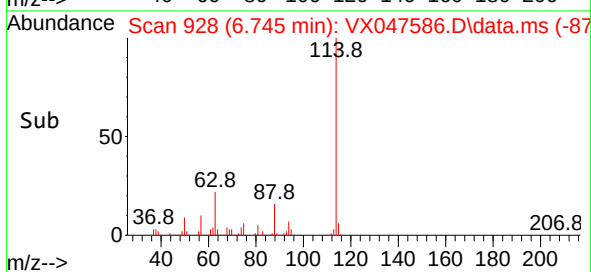
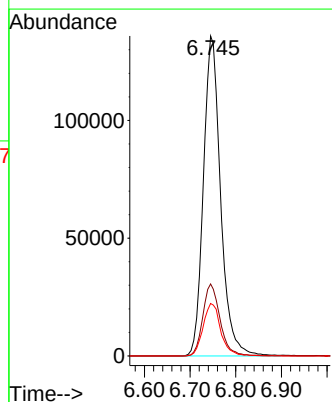
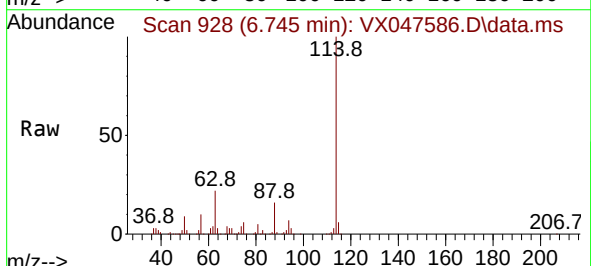
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

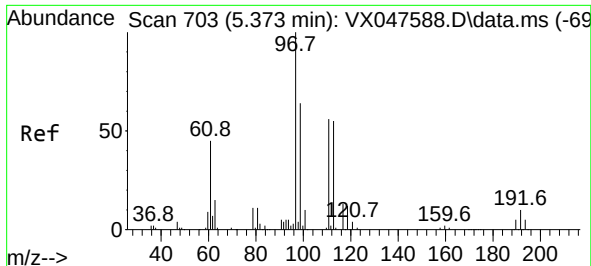
Tgt Ion: 65 Resp: 17538
Ion Ratio Lower Upper
65 100
67 49.7 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 114 Resp: 355026
Ion Ratio Lower Upper
114 100
63 22.5 0.0 44.0
88 16.4 0.0 34.2

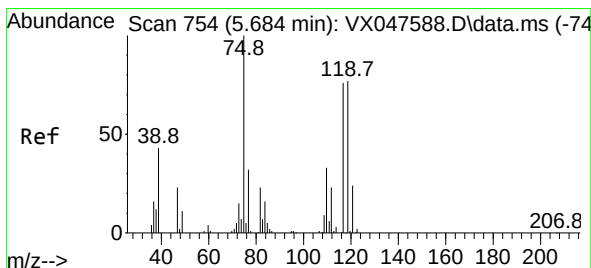
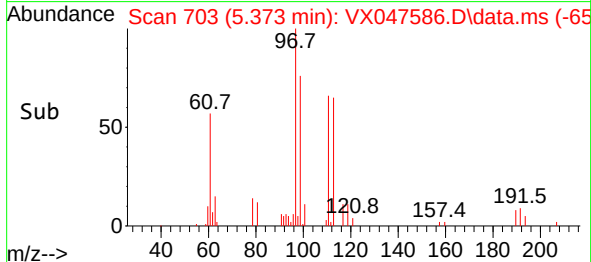
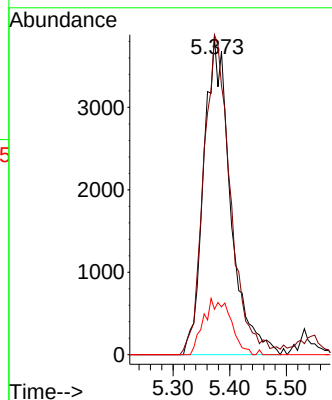
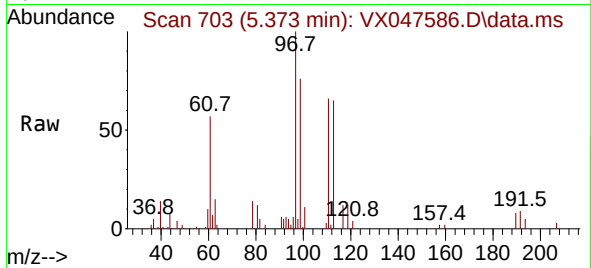




#35
Dibromofluoromethane
Concen: 5.312 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

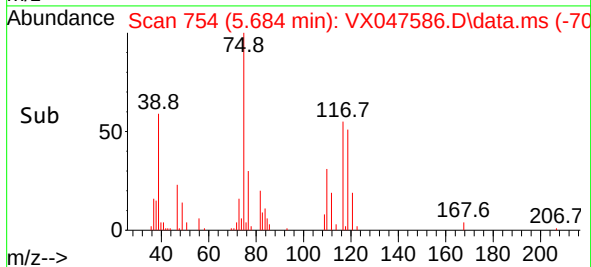
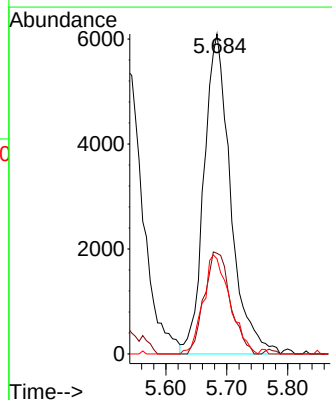
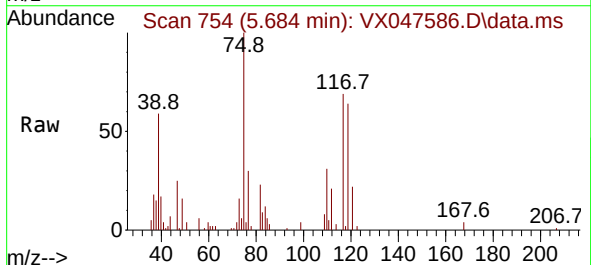
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

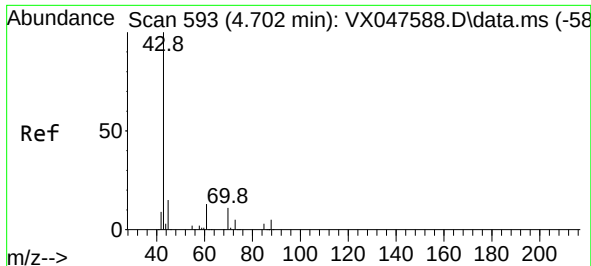
Tgt Ion:113 Resp: 12647
Ion Ratio Lower Upper
113 100
111 100.5 80.9 121.3
192 17.8 14.2 21.4



#36
1,1-Dichloropropene
Concen: 5.304 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18455
Ion Ratio Lower Upper
75 100
110 31.4 16.7 50.1
77 31.0 24.3 36.5





#37

Ethyl Acetate

Concen: 5.345 ug/l

RT: 4.708 min Scan# 593

Delta R.T. 0.006 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

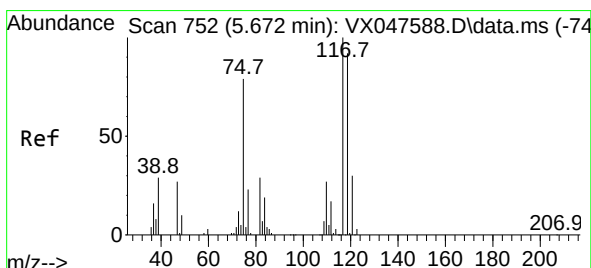
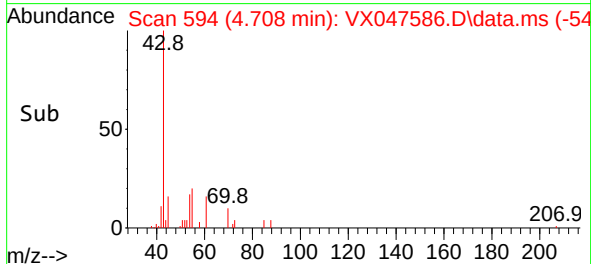
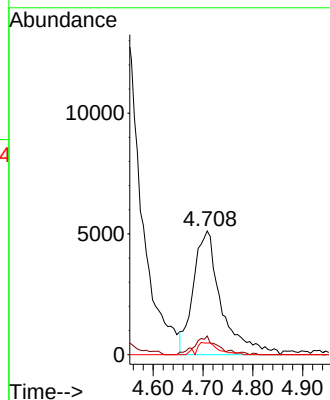
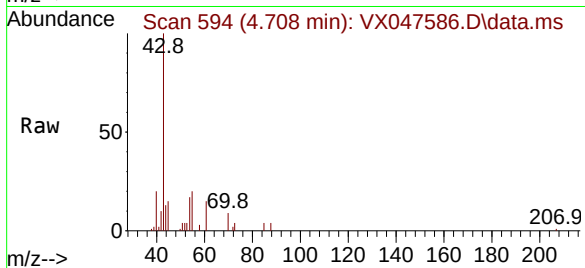
Tgt Ion: 43 Resp: 19913

Ion Ratio Lower Upper

43 100

61 11.9 9.8 14.8

70 7.6 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.390 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

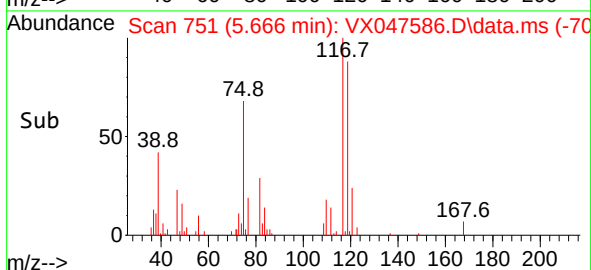
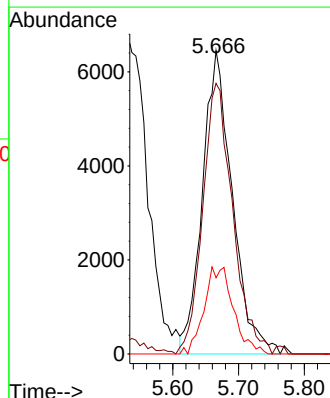
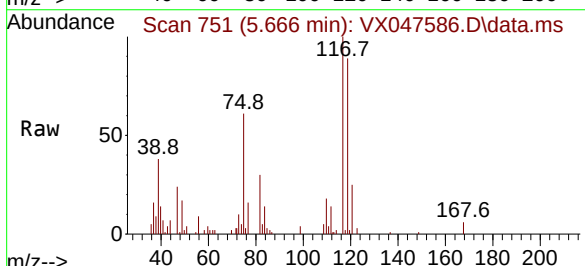
Tgt Ion: 117 Resp: 20376

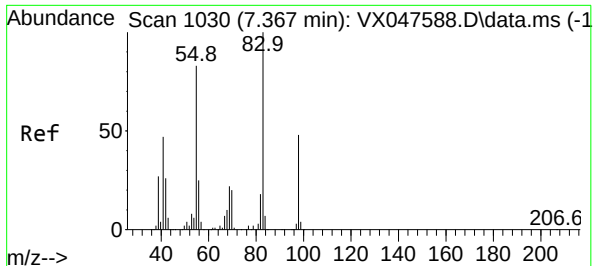
Ion Ratio Lower Upper

117 100

119 88.9 73.4 110.2

121 25.1 23.8 35.6

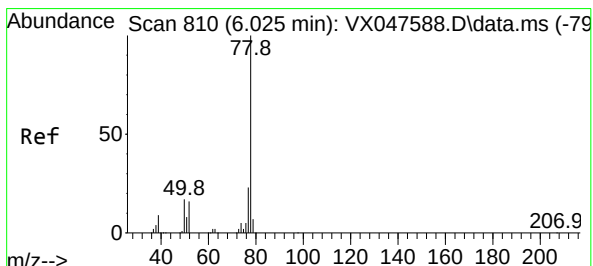
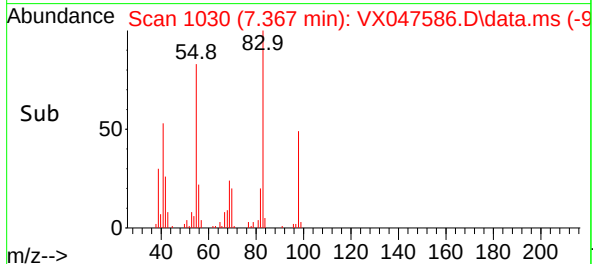
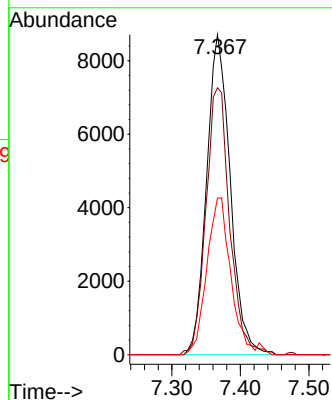
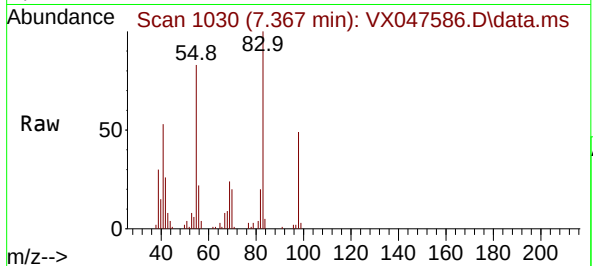




#39
Methylcyclohexane
Concen: 5.292 ug/l
RT: 7.367 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

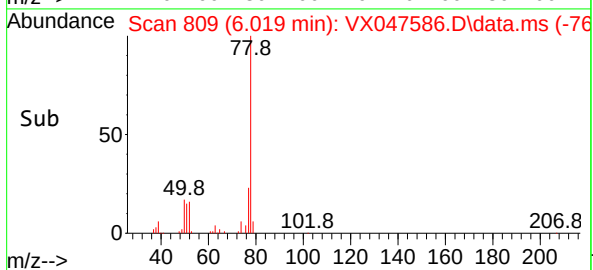
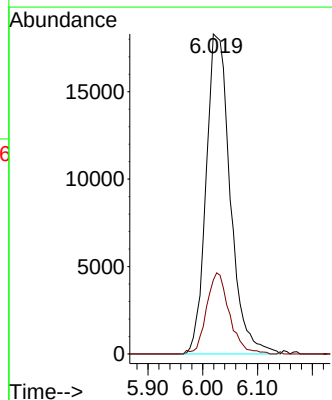
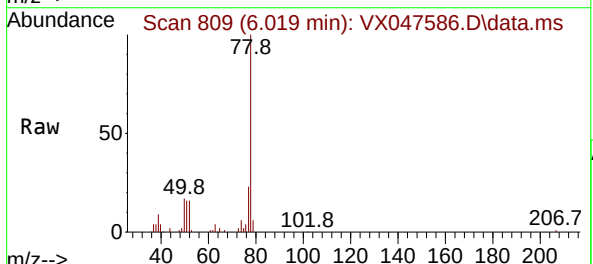
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

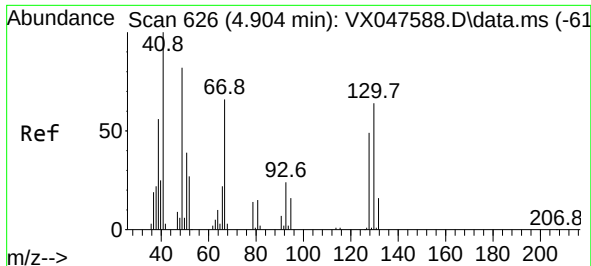
Tgt Ion:	83	Resp:	20900
Ion	Ratio	Lower	Upper
83	100		
55	79.1	66.4	99.6
98	46.4	38.1	57.1



#40
Benzene
Concen: 5.299 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:	78	Resp:	55996
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2

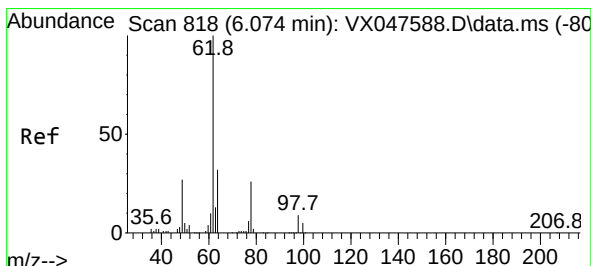
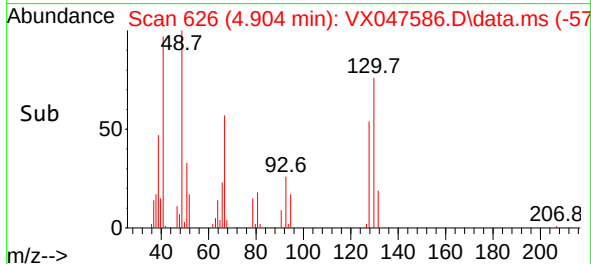
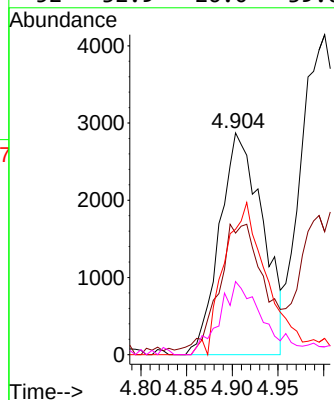
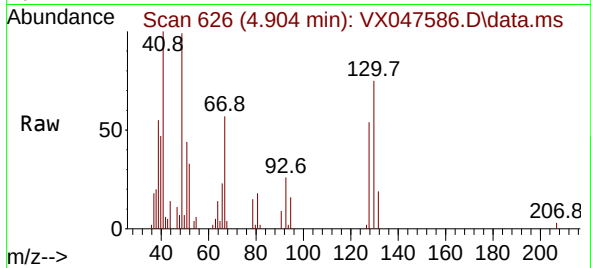




#41
Methacrylonitrile
Concen: 4.883 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

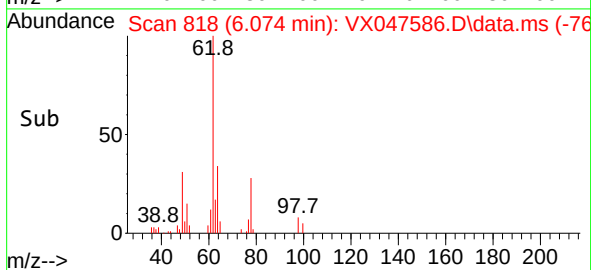
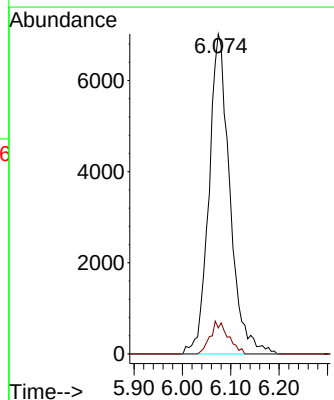
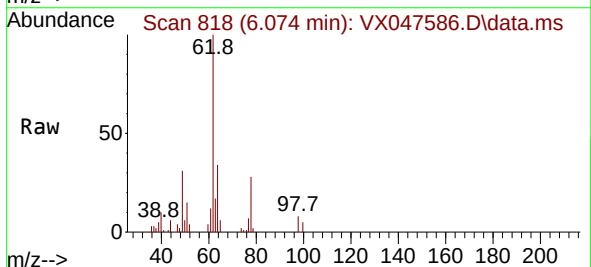
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

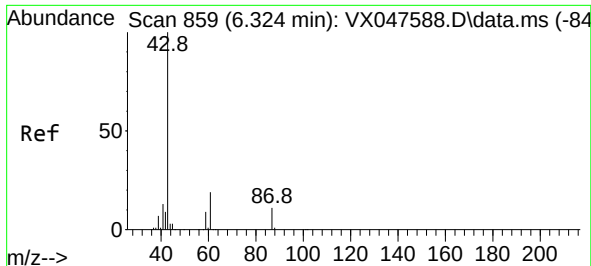
Tgt Ion:	41	Resp:	9390
Ion	Ratio	Lower	Upper
41	100		
39	58.3	43.3	64.9
67	68.7	58.6	87.8
52	32.9	26.0	39.0



#42
1,2-Dichloroethane
Concen: 5.252 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:	62	Resp:	21117
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

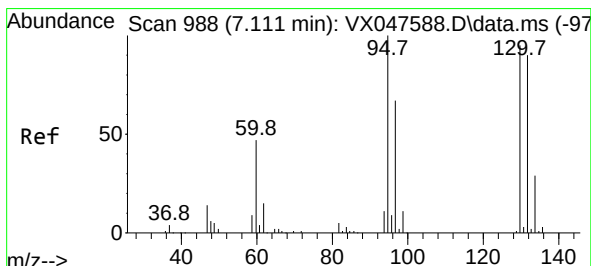
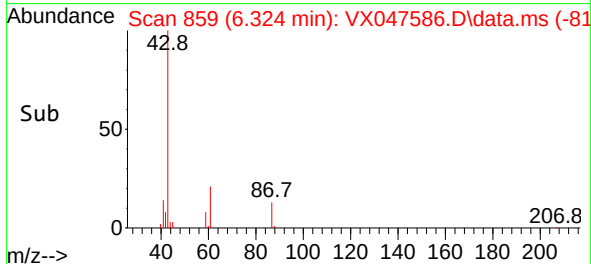
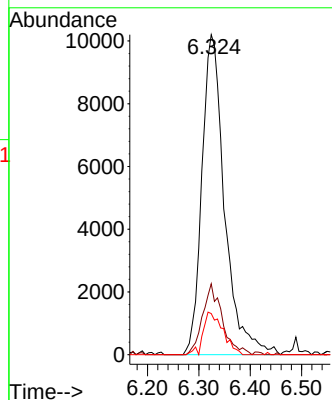
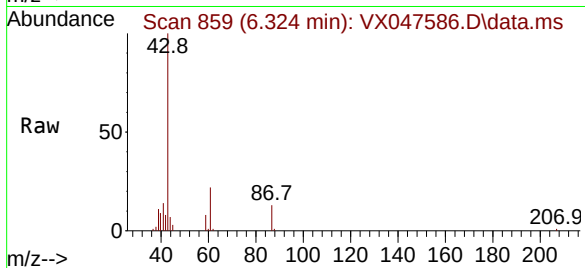




#43
Isopropyl Acetate
Concen: 5.124 ug/l
RT: 6.324 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

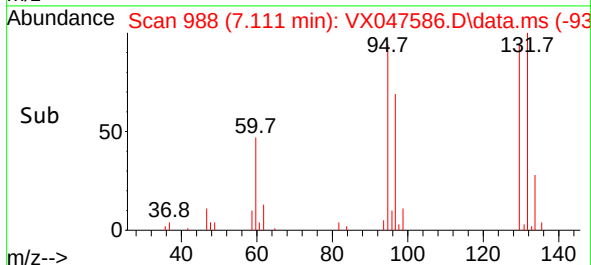
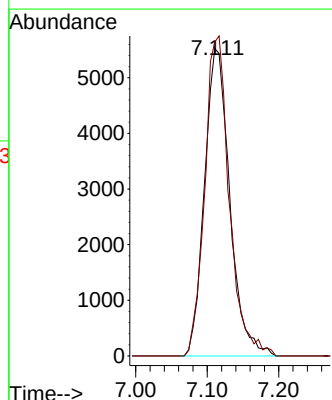
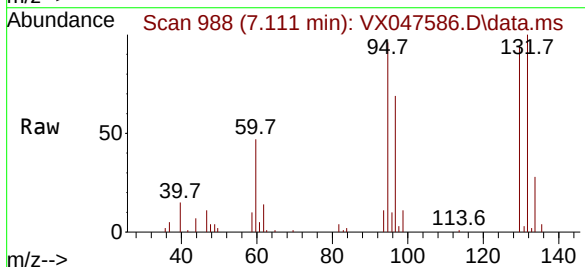
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

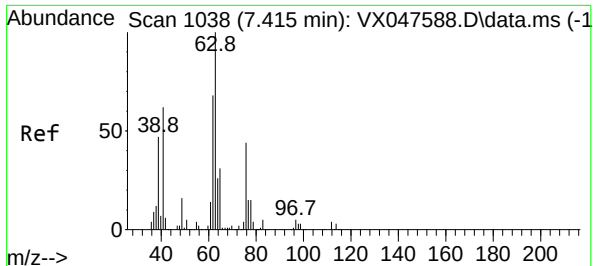
Tgt Ion:	43	Resp:	31304
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	11.6	9.6	14.4



#44
Trichloroethene
Concen: 5.314 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:	130	Resp:	13576
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	210.8





#45

1,2-Dichloropropane

Concen: 5.287 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

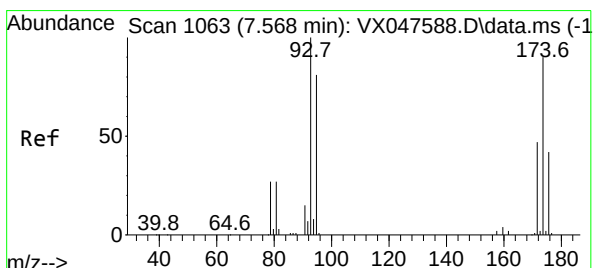
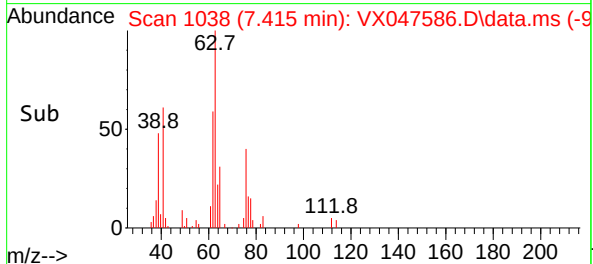
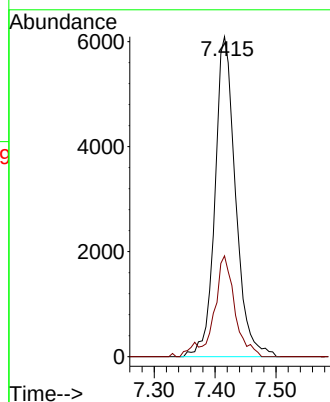
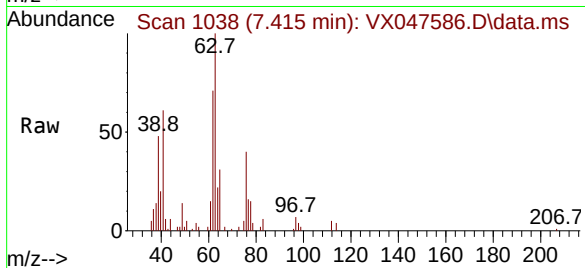
VSTDIC005

Tgt Ion: 63 Resp: 14305

Ion Ratio Lower Upper

63 100

65 31.5 24.7 37.1



#46

Dibromomethane

Concen: 5.146 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

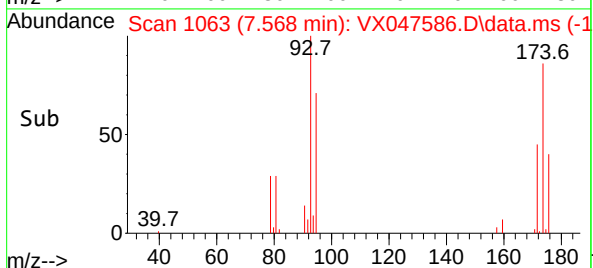
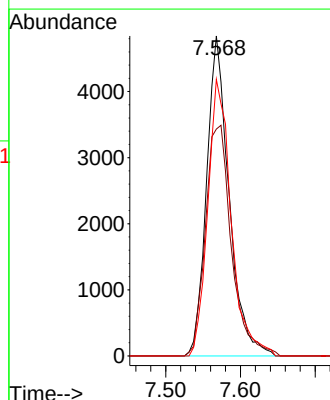
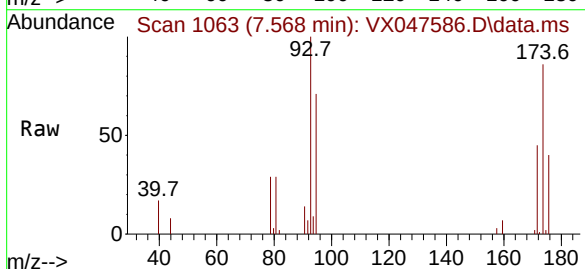
Tgt Ion: 93 Resp: 10133

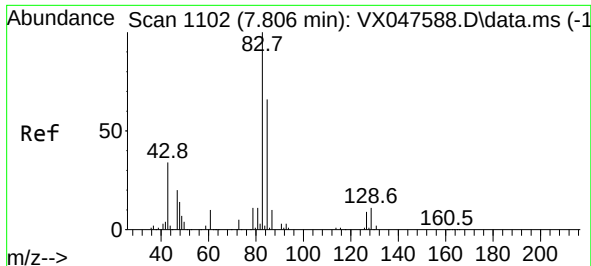
Ion Ratio Lower Upper

93 100

95 83.5 65.0 97.6

174 90.0 71.6 107.4

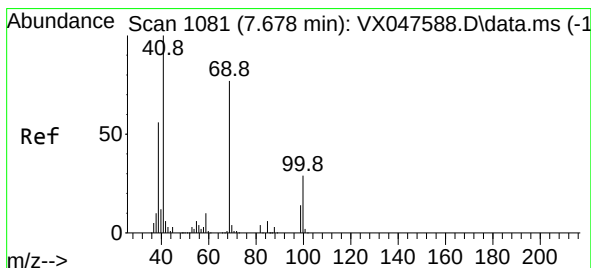
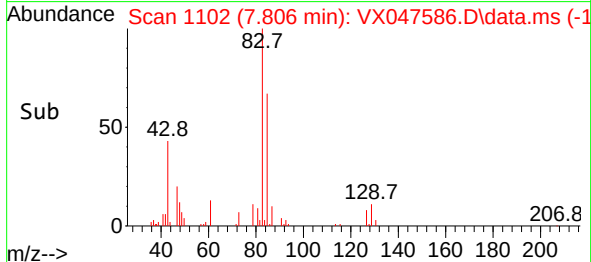
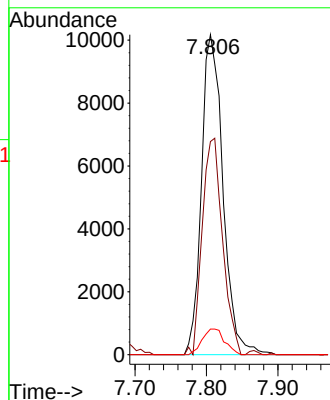
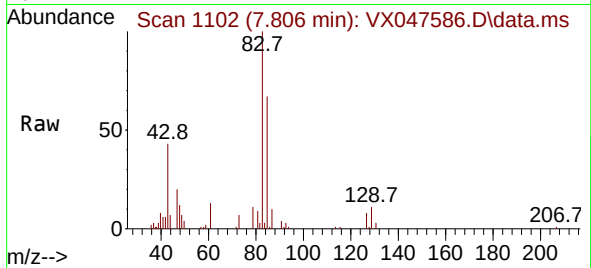




#47
Bromodichloromethane
Concen: 5.235 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

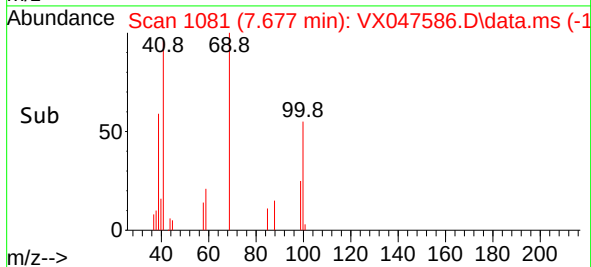
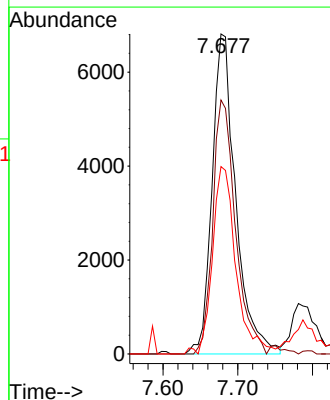
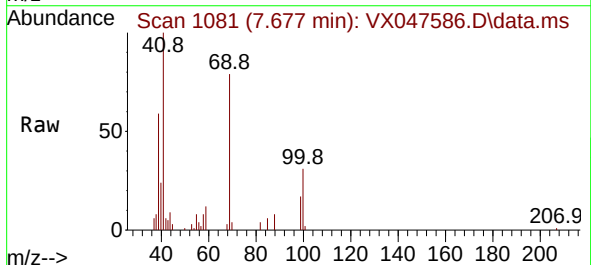
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

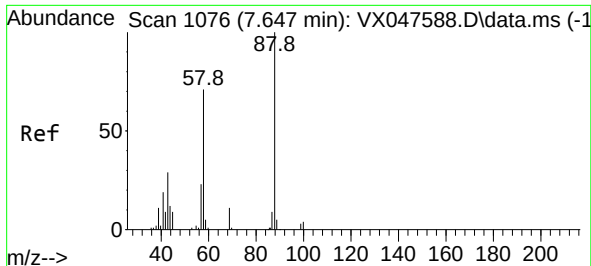
Tgt Ion:	83	Resp:	21270
Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7
127	7.8	6.9	10.3



#48
Methyl methacrylate
Concen: 4.915 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

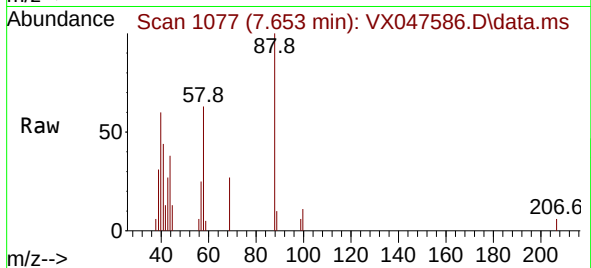
Tgt Ion:	41	Resp:	14959
Ion	Ratio	Lower	Upper
41	100		
69	76.4	61.4	92.2
39	58.2	45.8	68.6



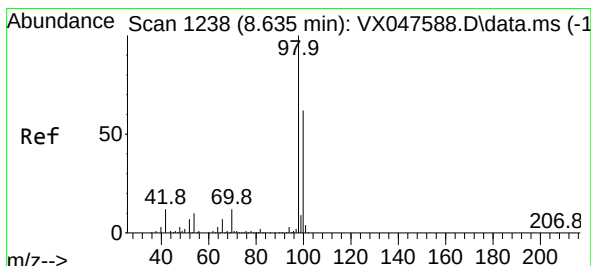
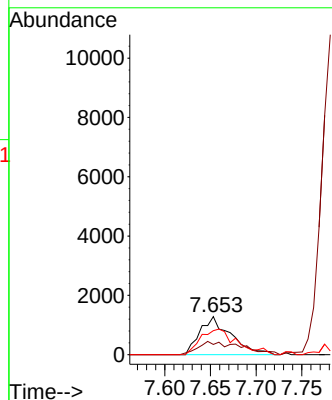
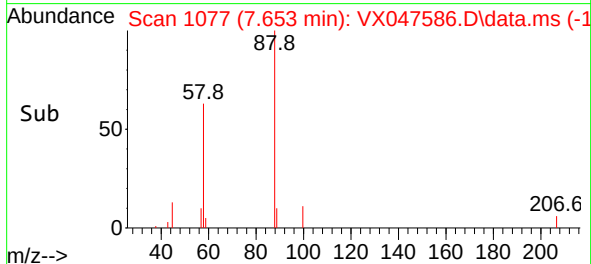


#49
1,4-Dioxane
Concen: 98.096 ug/l
RT: 7.653 min Scan# 1077
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

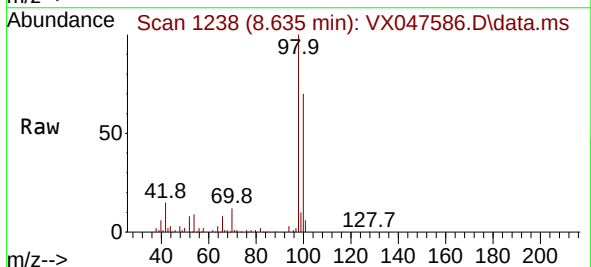
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



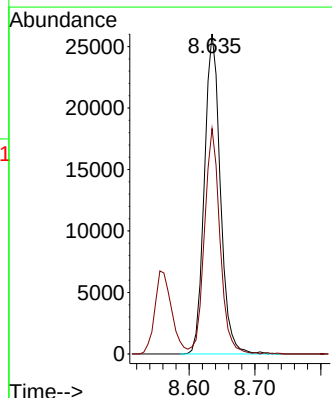
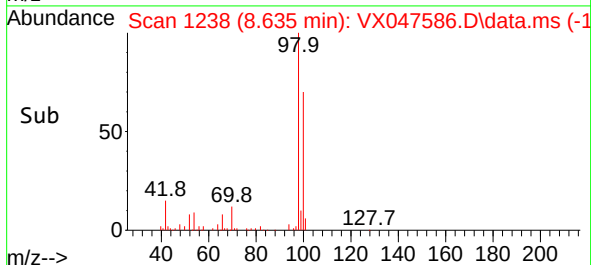
Tgt Ion: 88 Resp: 3017
Ion Ratio Lower Upper
88 100
43 48.3 30.2 45.2#
58 79.1 59.5 89.3

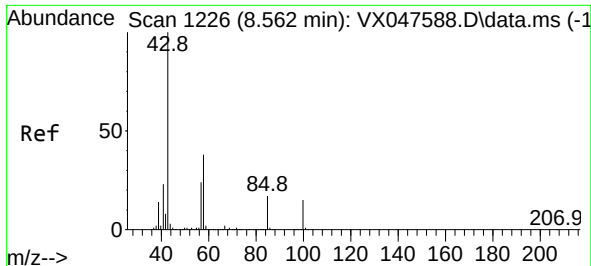


#50
Toluene-d8
Concen: 5.332 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16



Tgt Ion: 98 Resp: 43926
Ion Ratio Lower Upper
98 100
100 68.4 53.0 79.4

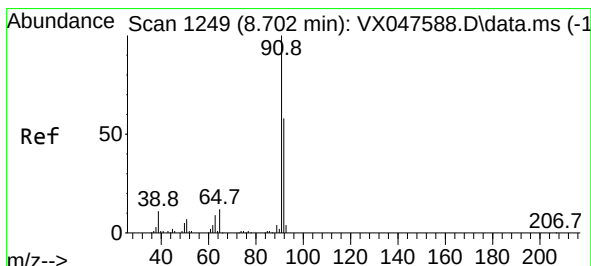
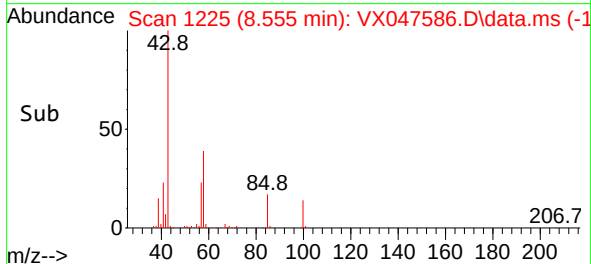
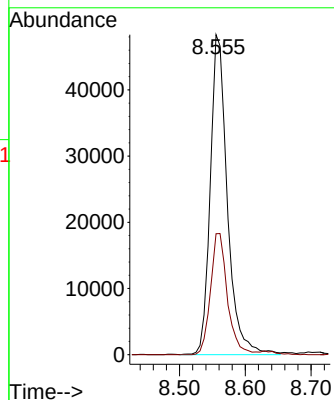
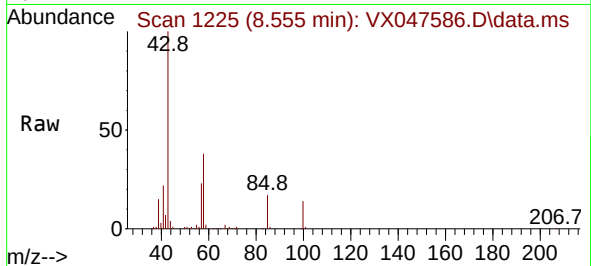




#51
4-Methyl-2-Pentanone
Concen: 25.828 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

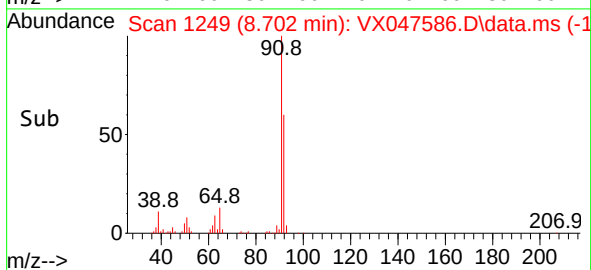
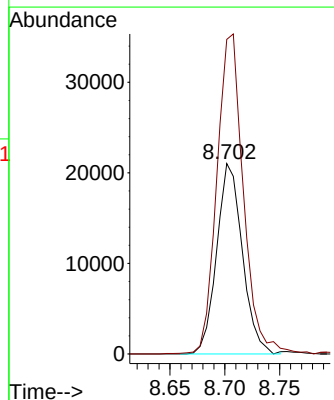
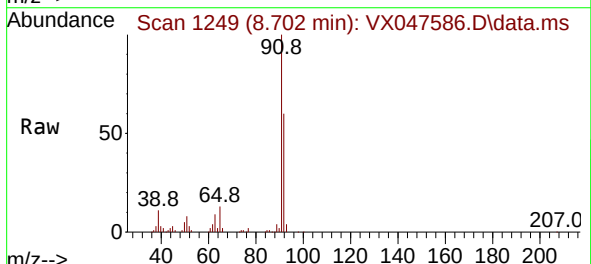
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

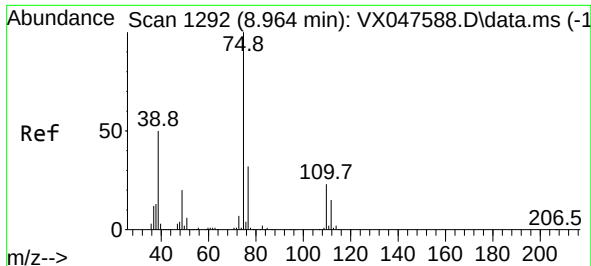
Tgt Ion: 43 Resp: 87492
Ion Ratio Lower Upper
43 100
58 37.7 30.3 45.5



#52
Toluene
Concen: 5.271 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 92 Resp: 34314
Ion Ratio Lower Upper
92 100
91 173.8 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 5.034 ug/l

RT: 8.964 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

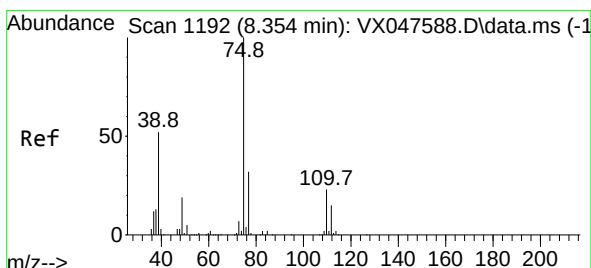
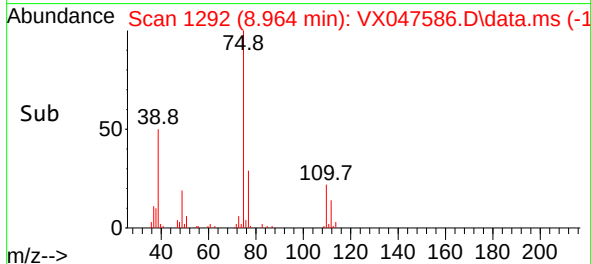
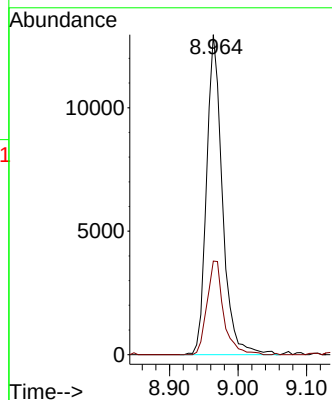
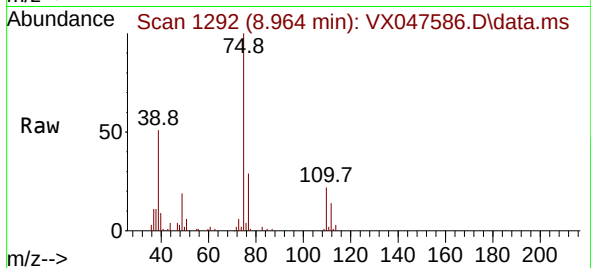
VSTDICC005

Tgt Ion: 75 Resp: 20863

Ion Ratio Lower Upper

75 100

77 30.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 5.227 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

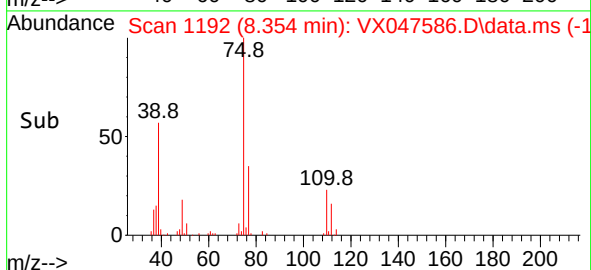
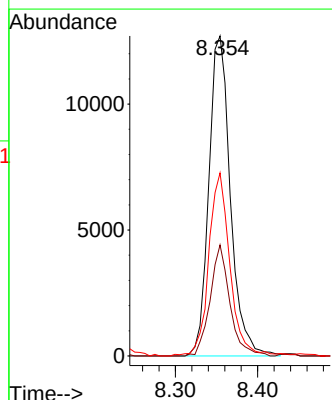
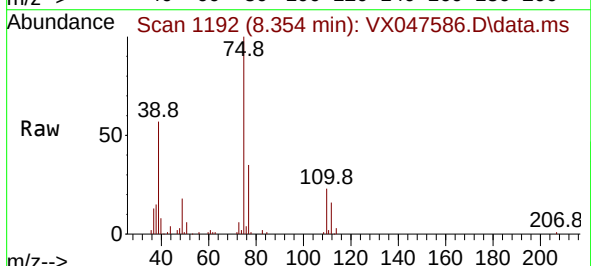
Tgt Ion: 75 Resp: 23157

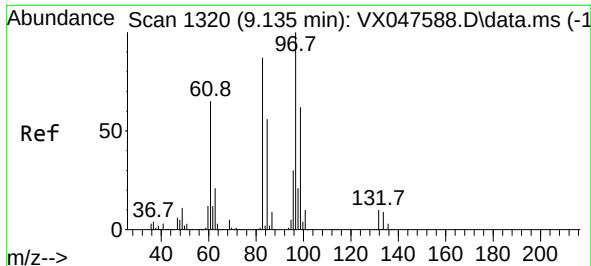
Ion Ratio Lower Upper

75 100

77 34.7 25.8 38.6

39 51.7 41.4 62.2

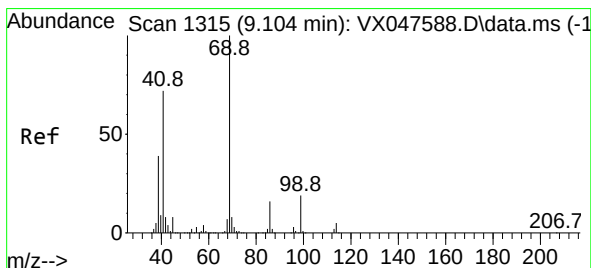
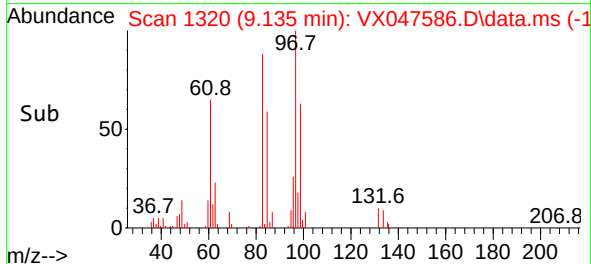
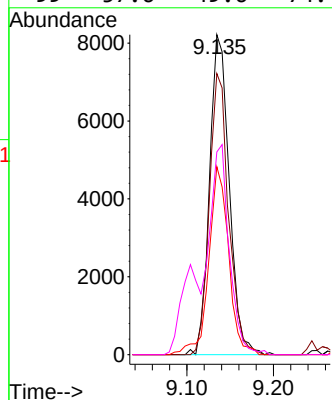
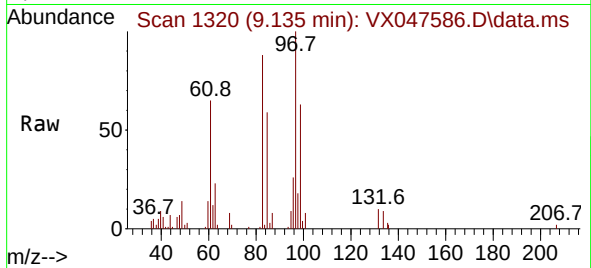




#55
1,1,2-Trichloroethane
Concen: 5.166 ug/l
RT: 9.135 min Scan# 1320
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

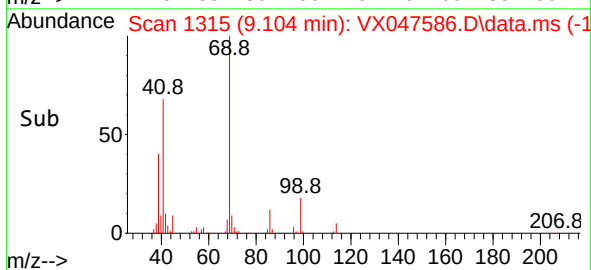
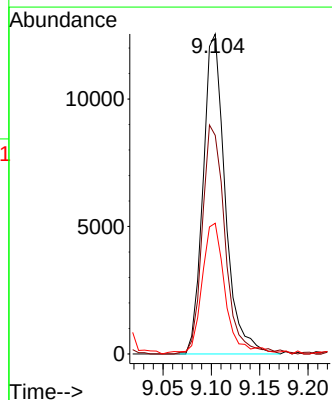
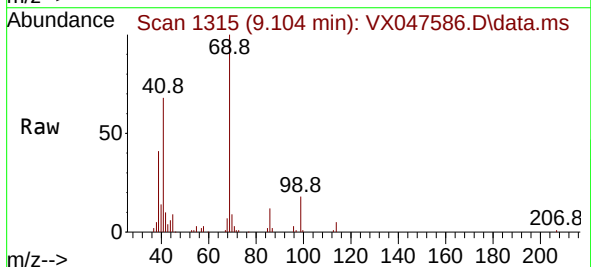
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

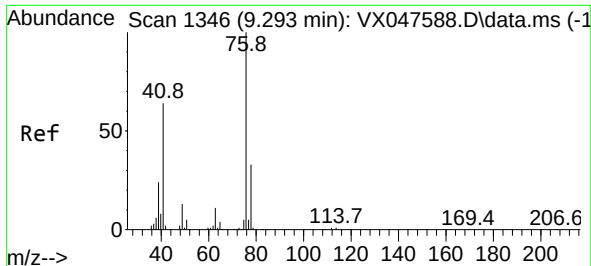
Tgt Ion:	97	Resp:	12968
Ion	Ratio	Lower	Upper
97	100		
83	76.7	69.6	104.4
85	49.9	45.0	67.6
99	57.6	49.6	74.4



#56
Ethyl methacrylate
Concen: 5.068 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:	69	Resp:	19980
Ion	Ratio	Lower	Upper
69	100		
41	73.9	58.6	87.8
39	43.7	31.5	47.3

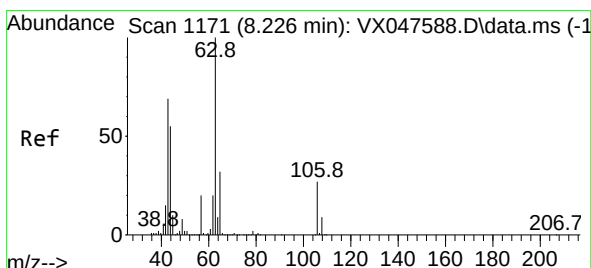
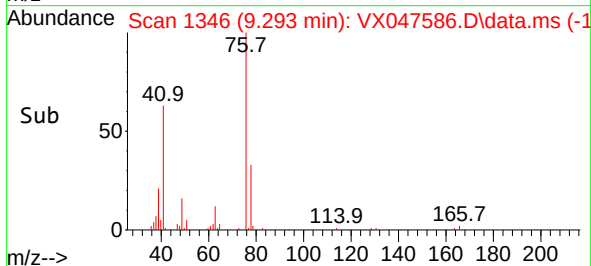
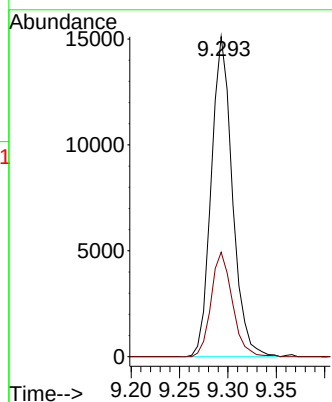
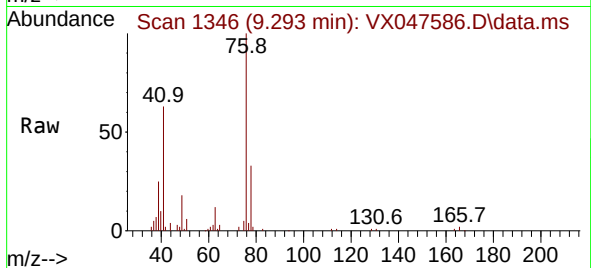




#57
1,3-Dichloropropane
Concen: 5.331 ug/l
RT: 9.293 min Scan# 11346
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

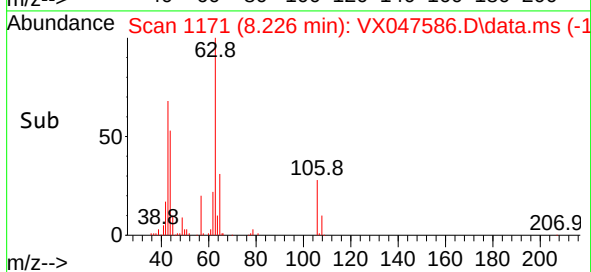
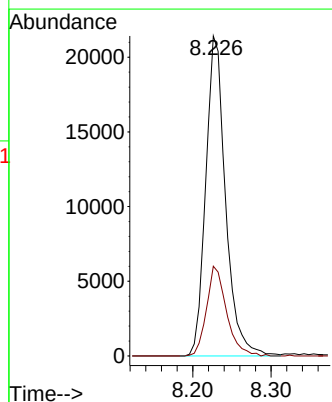
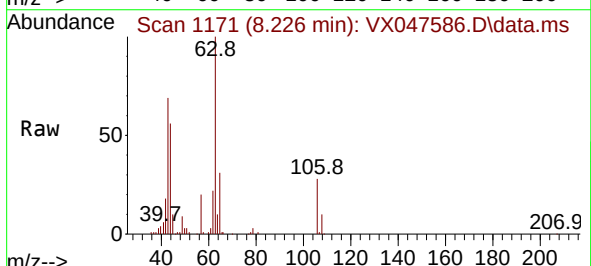
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

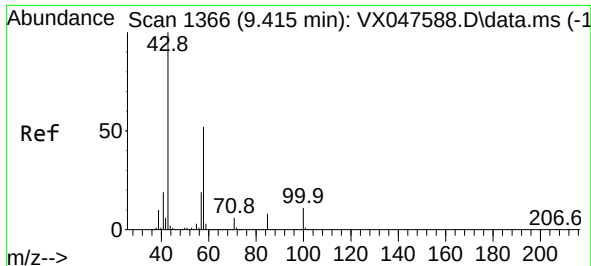
Tgt Ion: 76 Resp: 22989
Ion Ratio Lower Upper
76 100
78 32.8 26.2 39.4



#58
2-Chloroethyl Vinyl ether
Concen: 27.899 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 37585
Ion Ratio Lower Upper
63 100
106 28.3 21.9 32.9

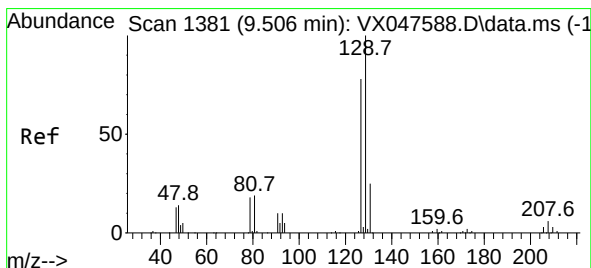
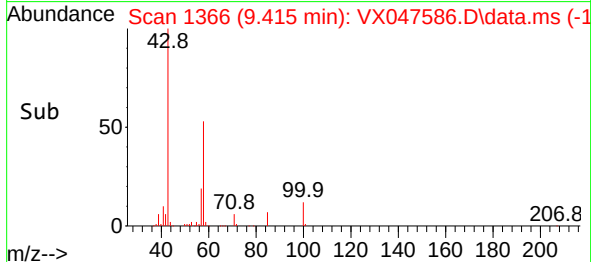
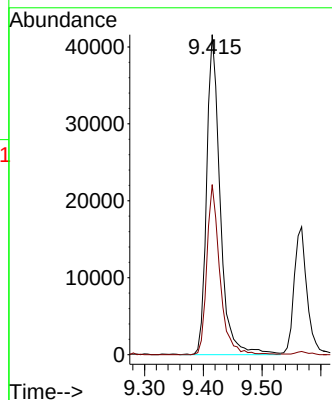
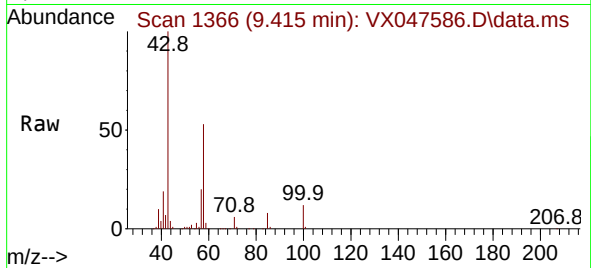




#59
2-Hexanone
Concen: 27.275 ug/l
RT: 9.415 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

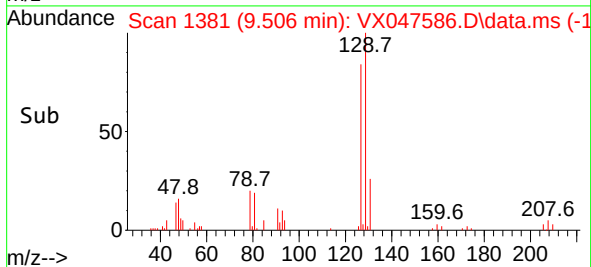
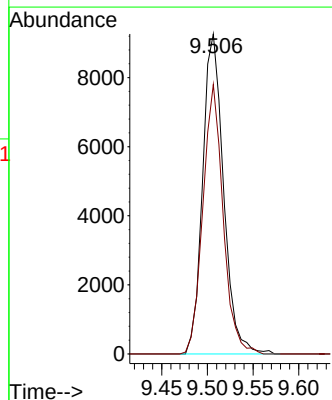
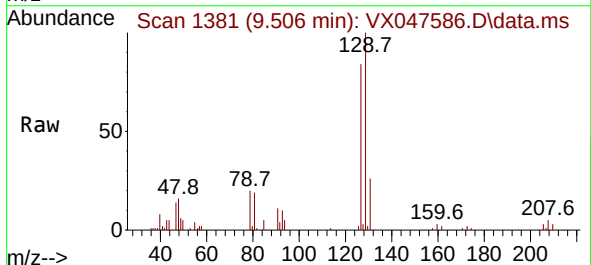
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

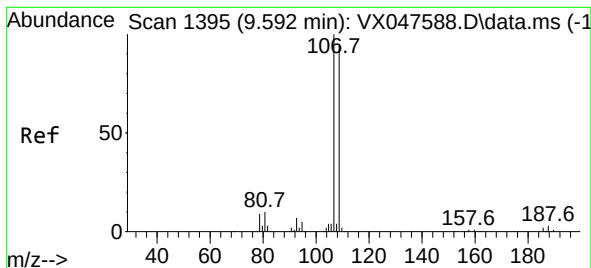
Tgt Ion: 43 Resp: 66356
Ion Ratio Lower Upper
43 100
58 51.1 26.1 78.2



#60
Dibromochloromethane
Concen: 5.084 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 129 Resp: 14705
Ion Ratio Lower Upper
129 100
127 81.4 38.4 115.2





#61

1,2-Dibromoethane

Concen: 5.264 ug/l

RT: 9.592 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

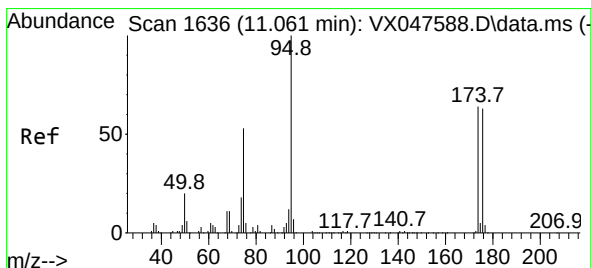
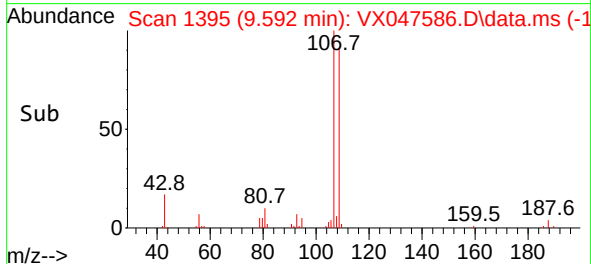
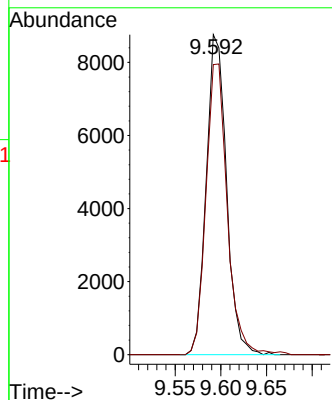
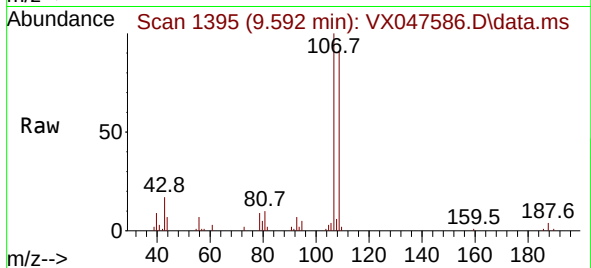
VSTDIC005

Tgt Ion:107 Resp: 13461

Ion Ratio Lower Upper

107 100

109 95.6 75.3 112.9



#62

4-Bromofluorobenzene

Concen: 5.429 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

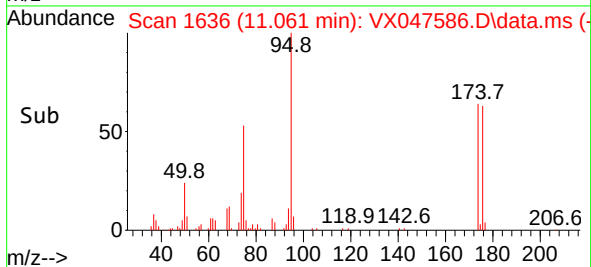
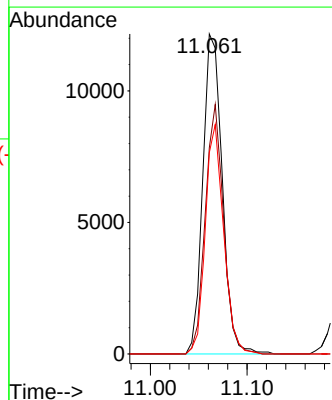
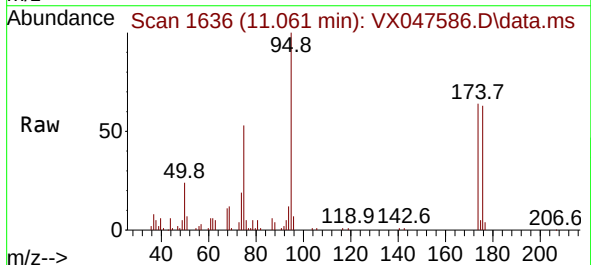
Tgt Ion: 95 Resp: 16974

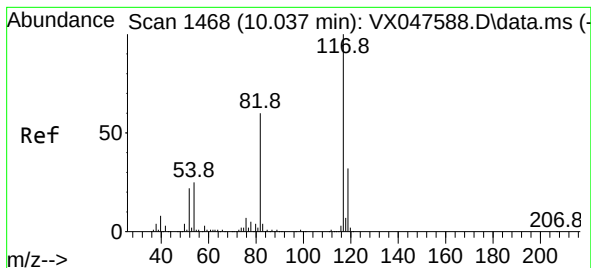
Ion Ratio Lower Upper

95 100

174 74.0 0.0 141.6

176 67.9 0.0 138.4

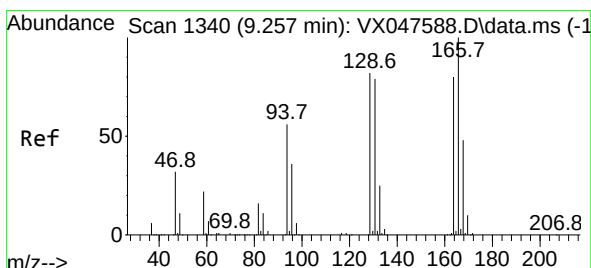
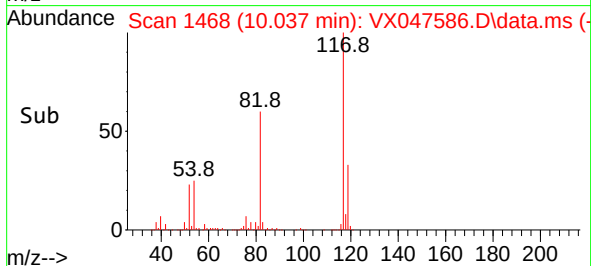
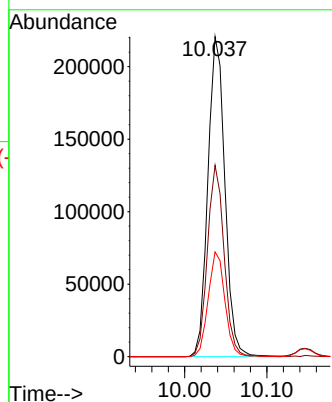
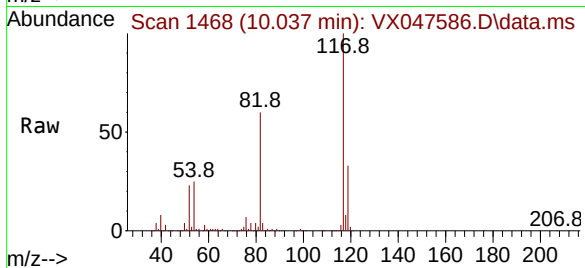




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

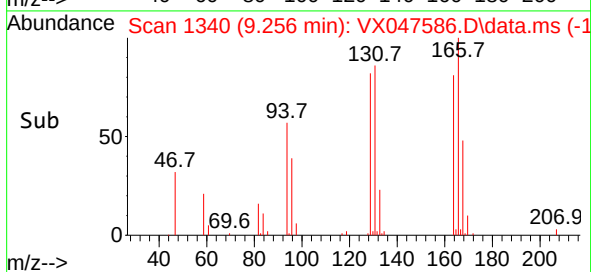
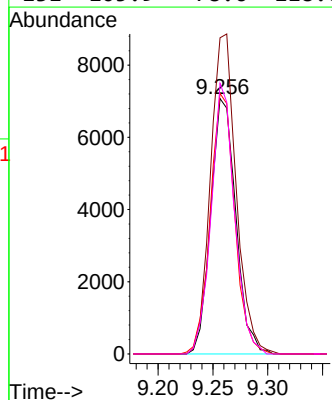
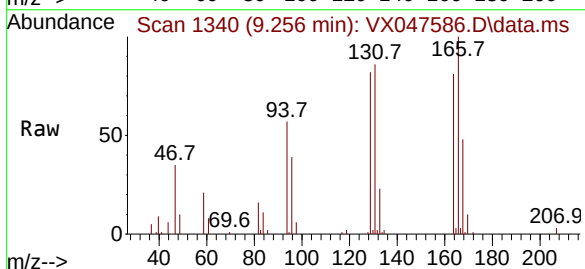
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

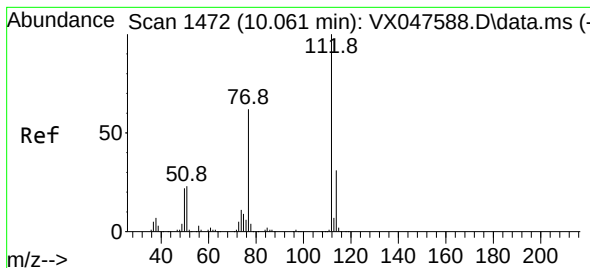
Tgt Ion:	117	Resp:	317288
Ion Ratio	Lower	Upper	
117	100		
82	59.8	47.8	71.6
119	32.8	25.2	37.8



#64
Tetrachloroethene
Concen: 5.428 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:	164	Resp:	11228
Ion Ratio	Lower	Upper	
164	100		
166	123.8	100.2	150.2
129	102.0	81.8	122.6
131	105.9	78.6	118.0

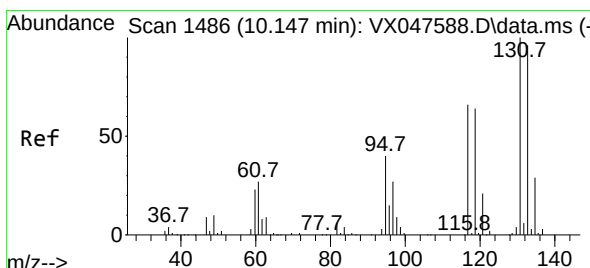
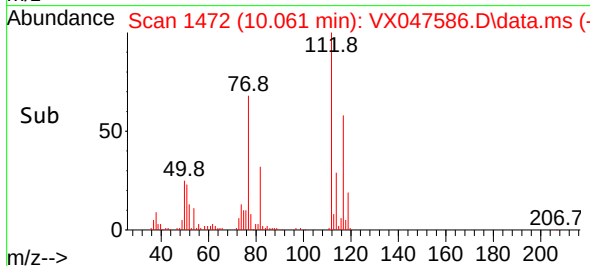
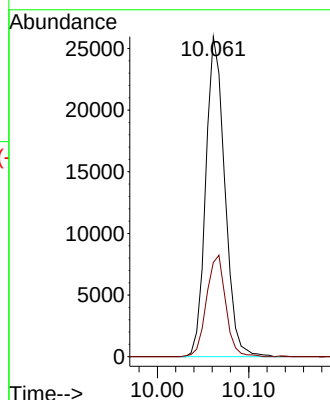
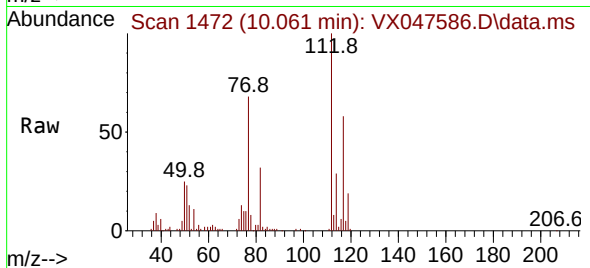




#65
Chlorobenzene
Concen: 5.203 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

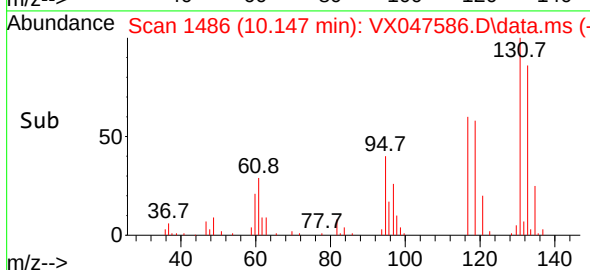
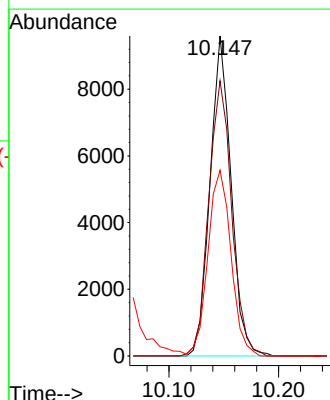
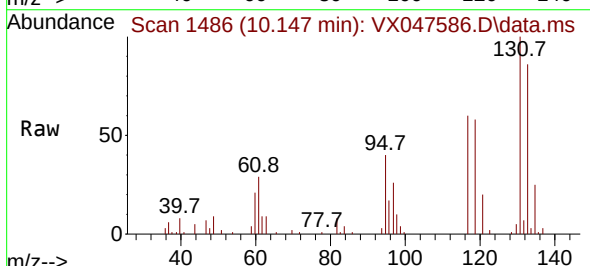
Instrument : MSVOA_X
ClientSampleId : VSTDIC005

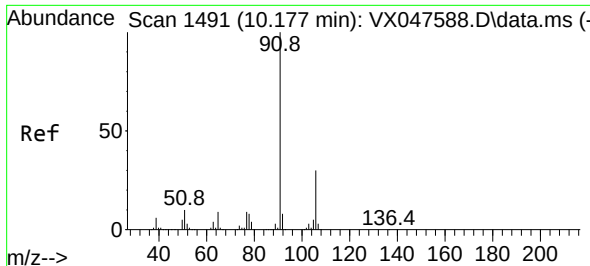
Tgt Ion:112 Resp: 37507
Ion Ratio Lower Upper
112 100
114 29.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 5.149 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:131 Resp: 12807
Ion Ratio Lower Upper
131 100
133 94.0 47.3 142.0
119 63.5 32.0 96.0





#67

Ethyl Benzene

Concen: 5.299 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

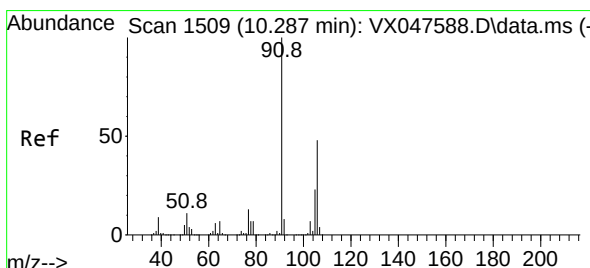
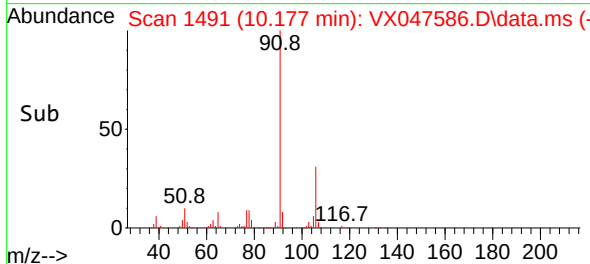
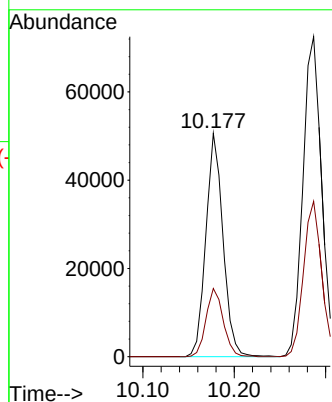
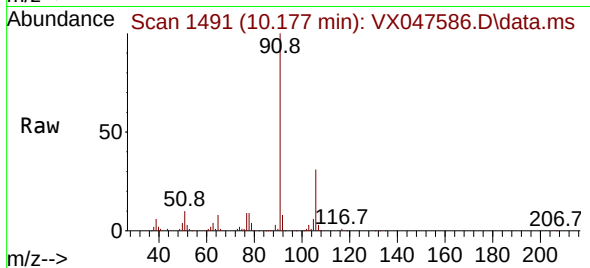
VSTDICC005

Tgt Ion: 91 Resp: 65908

Ion Ratio Lower Upper

91 100

106 30.5 24.3 36.5



#68

m/p-Xylenes

Concen: 10.613 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX047586.D

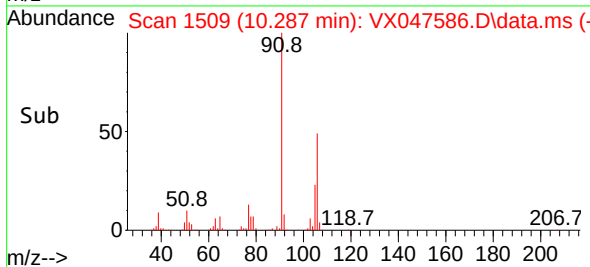
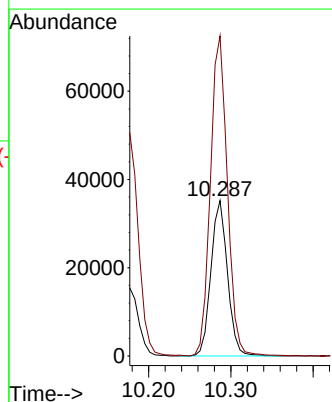
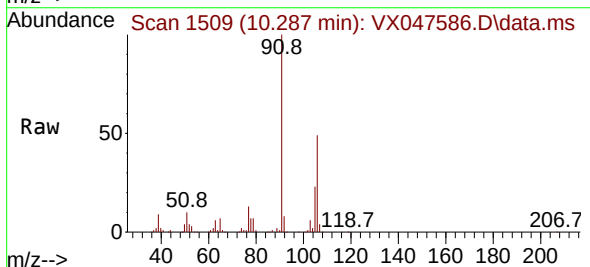
Acq: 16 Sep 2025 10:16

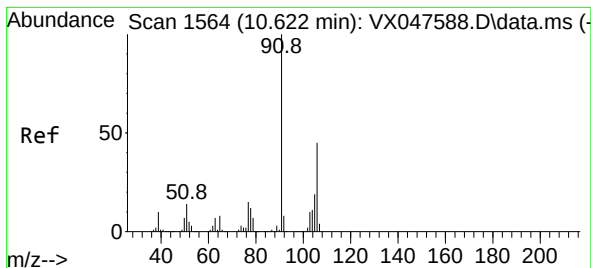
Tgt Ion:106 Resp: 49132

Ion Ratio Lower Upper

106 100

91 211.6 167.8 251.8





#69

o-Xylene

Concen: 5.204 ug/l

RT: 10.628 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

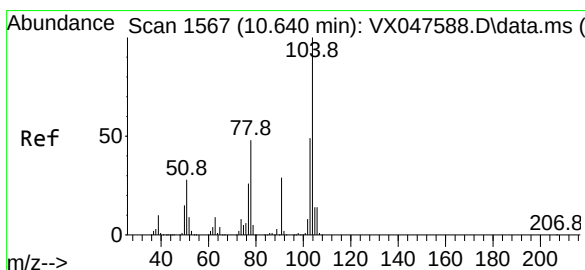
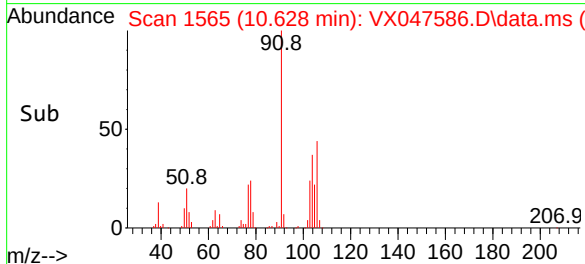
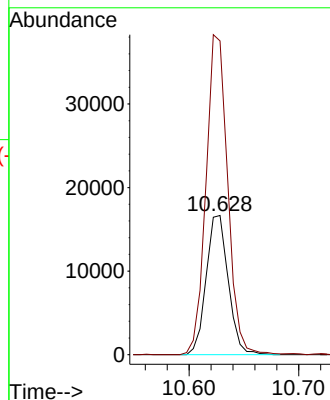
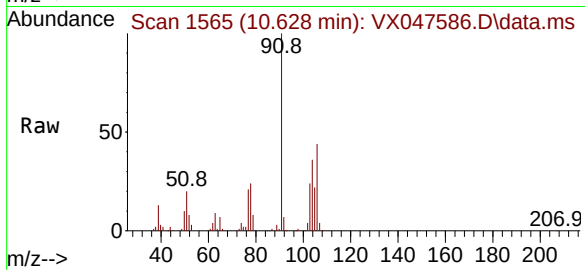
VSTDIC005

Tgt Ion:106 Resp: 23300

Ion Ratio Lower Upper

106 100

91 226.3 111.1 333.4



#70

Styrene

Concen: 5.210 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

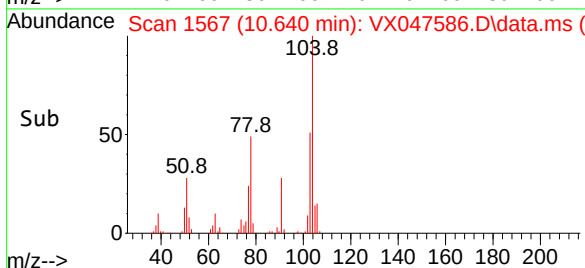
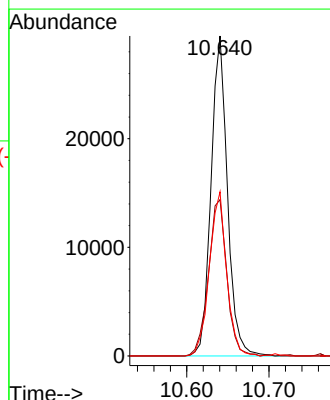
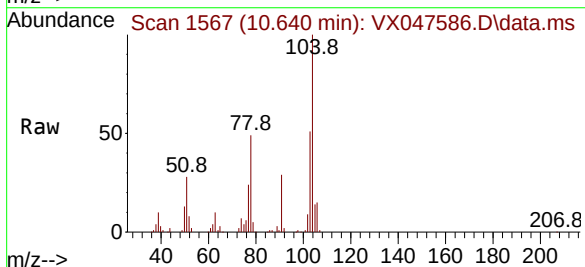
Tgt Ion:104 Resp: 40872

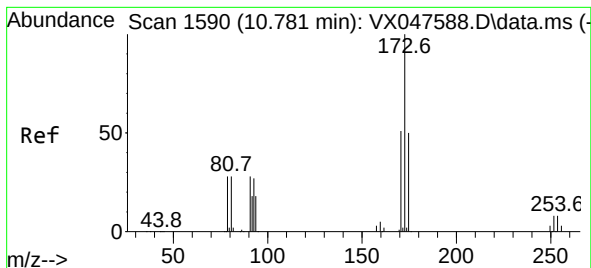
Ion Ratio Lower Upper

104 100

78 54.8 43.1 64.7

103 53.7 43.1 64.7





#71

Bromoform

Concen: 5.006 ug/l

RT: 10.781 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

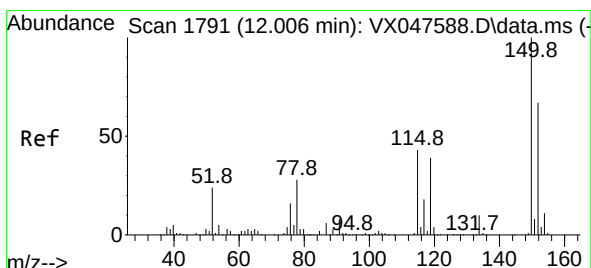
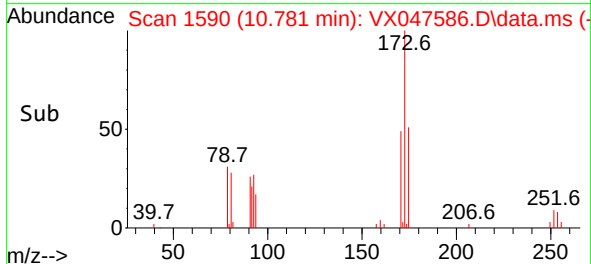
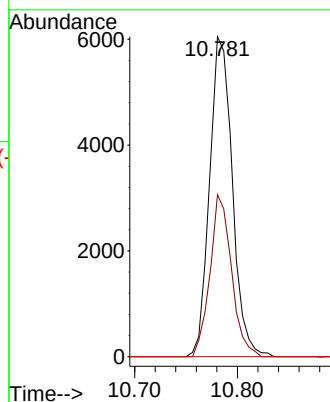
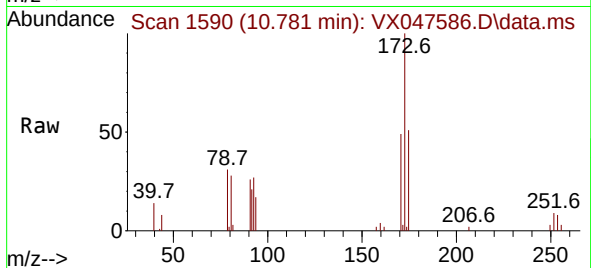
Tgt Ion:173 Resp: 9298

Ion Ratio Lower Upper

173 100

175 47.9 24.9 74.6

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

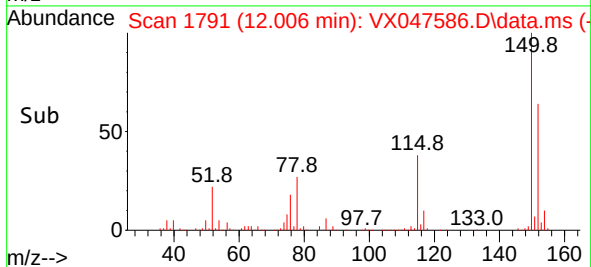
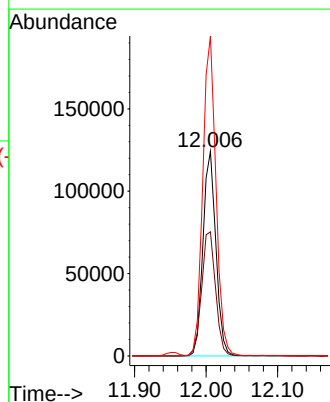
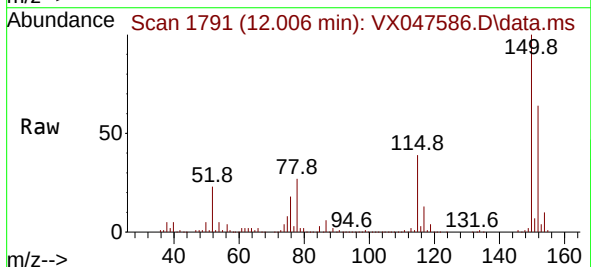
Tgt Ion:152 Resp: 156219

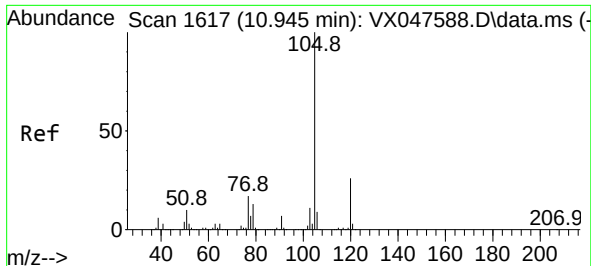
Ion Ratio Lower Upper

152 100

115 65.6 44.9 134.5

150 157.8 0.0 352.0

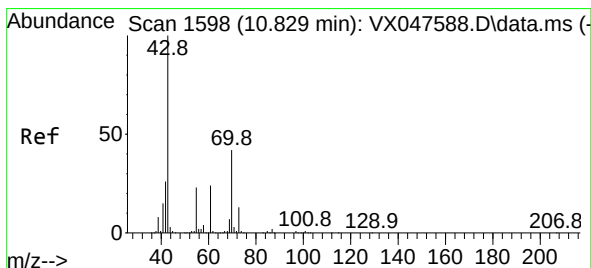
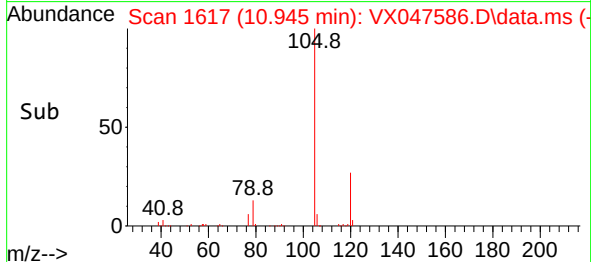
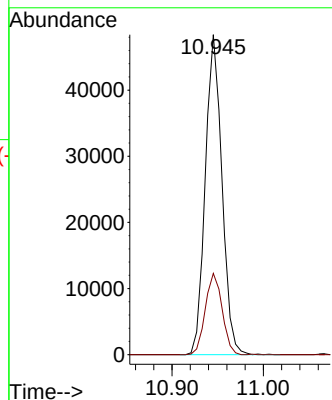
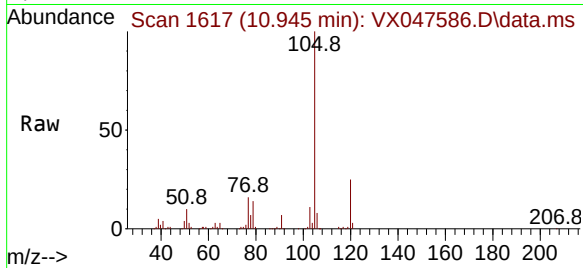




#73
Isopropylbenzene
Concen: 5.139 ug/l
RT: 10.945 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

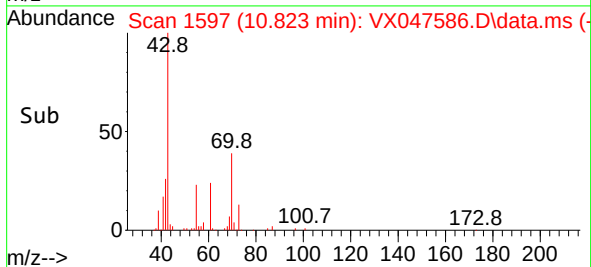
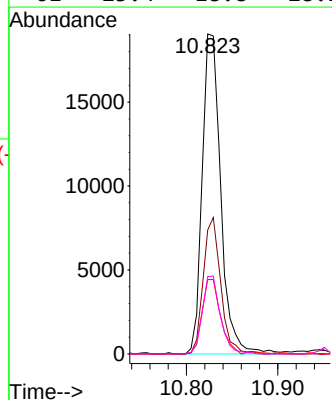
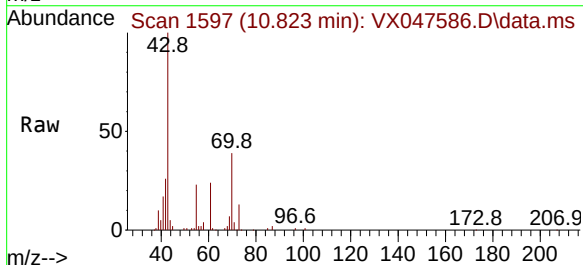
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

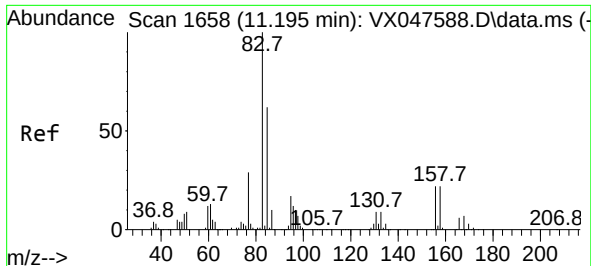
Tgt Ion:105 Resp: 61029
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.4



#74
N-ethyl acetate
Concen: 4.980 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 26969
Ion Ratio Lower Upper
43 100
70 39.9 32.0 48.0
55 23.1 18.9 28.3
61 23.4 18.8 28.2

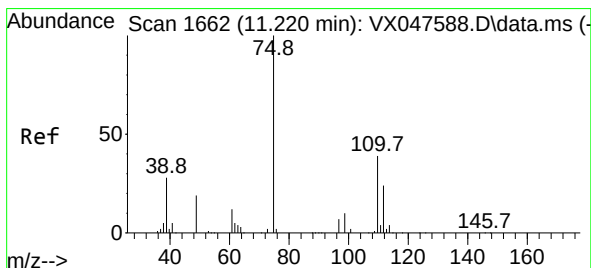
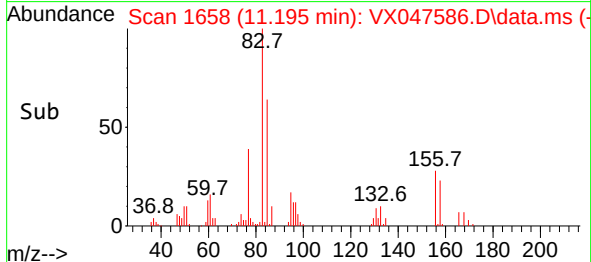
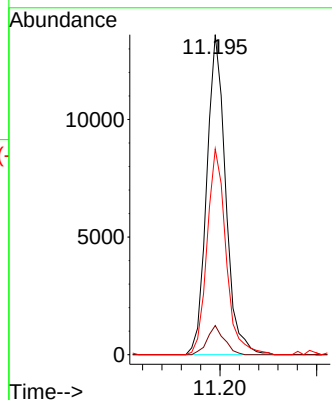
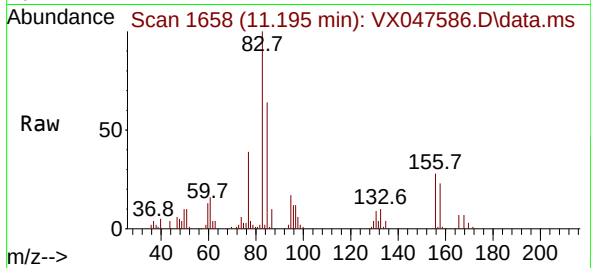




#75
1,1,2,2-Tetrachloroethane
Concen: 5.138 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

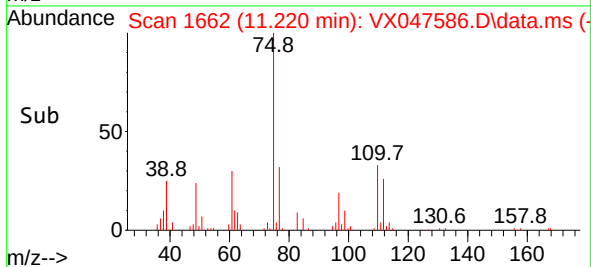
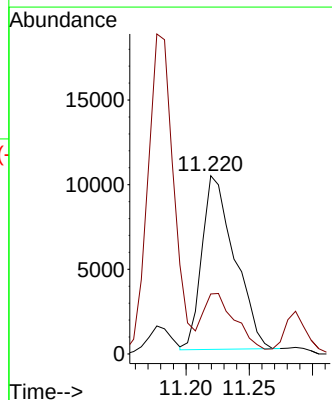
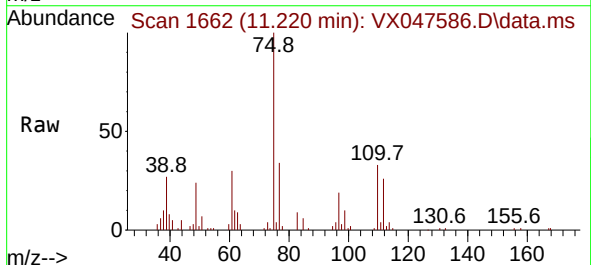
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

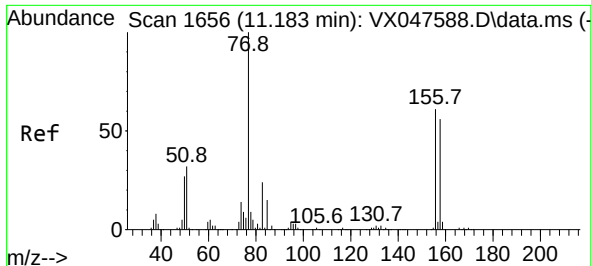
Tgt Ion: 83 Resp: 18462
Ion Ratio Lower Upper
83 100
131 8.2 5.0 14.9
85 64.4 31.6 95.0



#76
1,2,3-Trichloropropane
Concen: 5.847 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18494
Ion Ratio Lower Upper
75 100
77 35.0 18.8 56.4

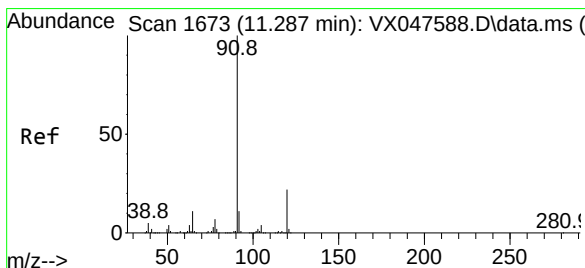
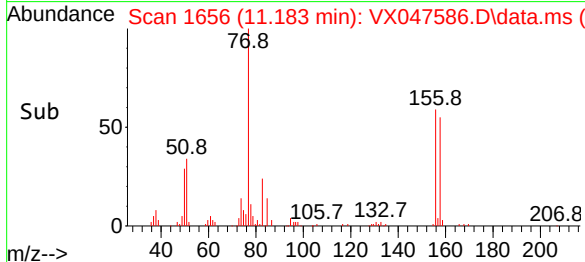
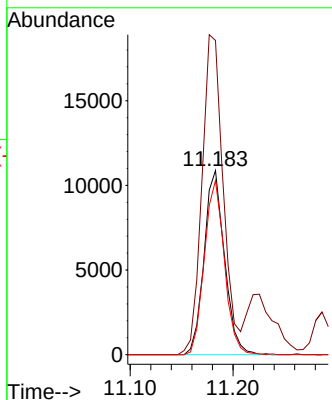
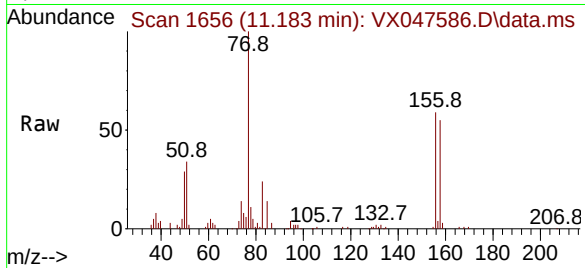




#77
Bromobenzene
Concen: 5.150 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

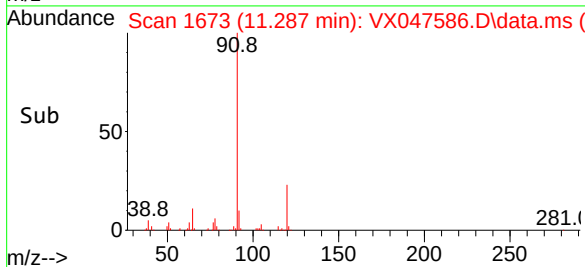
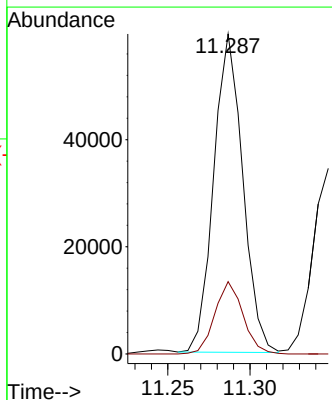
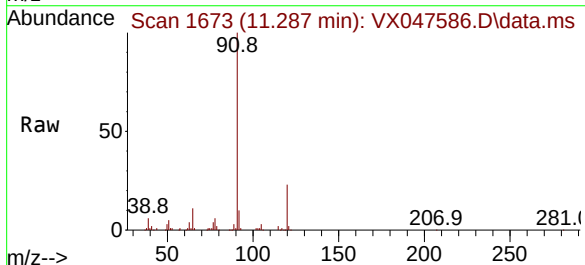
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

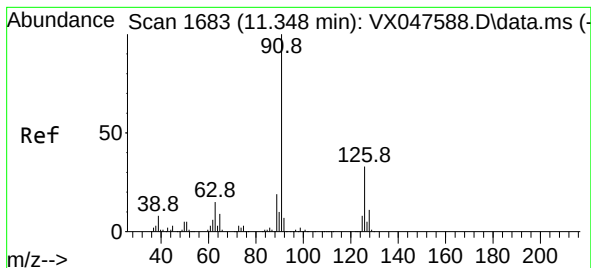
Tgt Ion:156 Resp: 15066
Ion Ratio Lower Upper
156 100
77 180.3 89.7 269.1
158 92.6 47.9 143.6



#78
n-propylbenzene
Concen: 5.192 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 72900
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.1





#79

2-Chlorotoluene

Concen: 5.194 ug/l

RT: 11.348 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

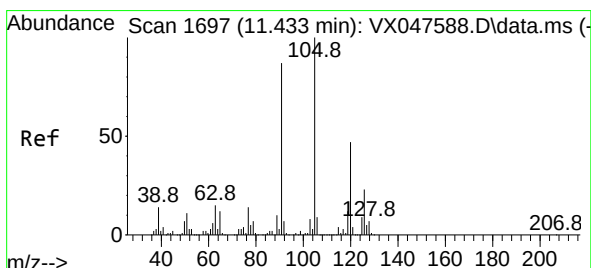
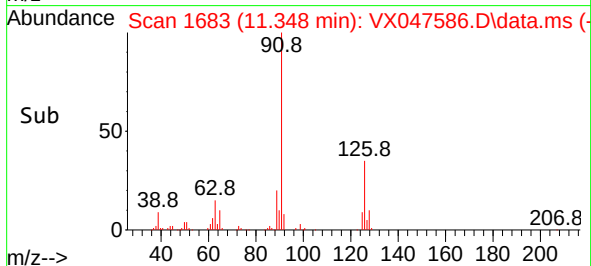
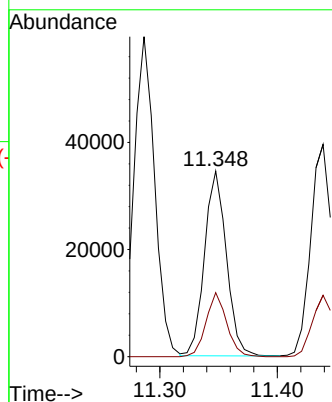
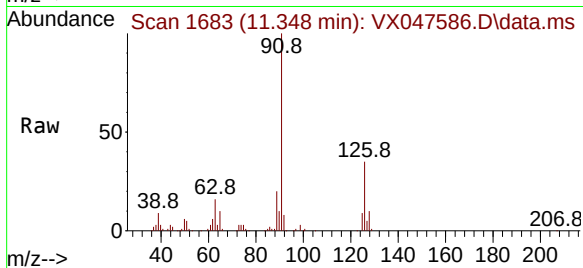
VSTDIC005

Tgt Ion: 91 Resp: 44663

Ion Ratio Lower Upper

91 100

126 32.7 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 5.179 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX047586.D

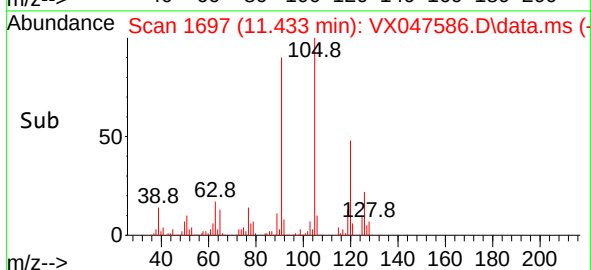
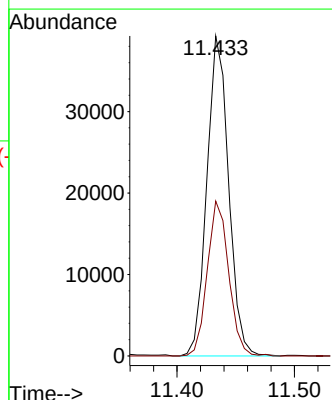
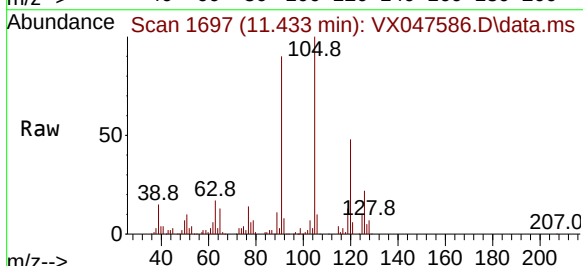
Acq: 16 Sep 2025 10:16

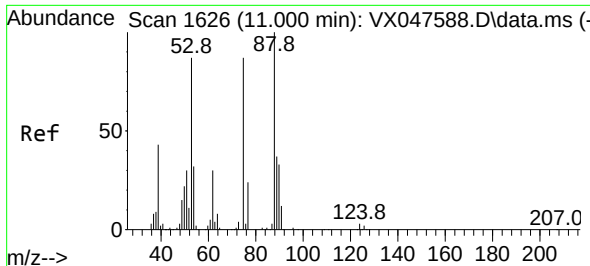
Tgt Ion: 105 Resp: 50535

Ion Ratio Lower Upper

105 100

120 47.7 23.6 70.8

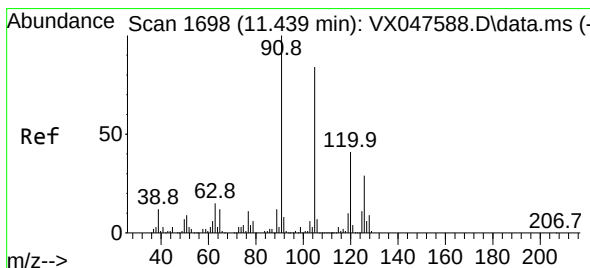
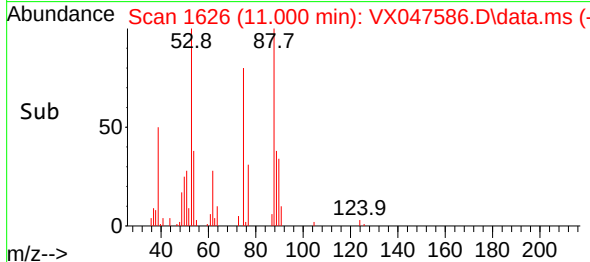
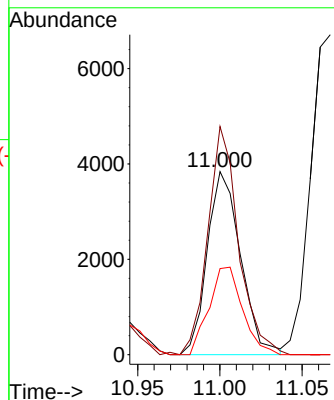
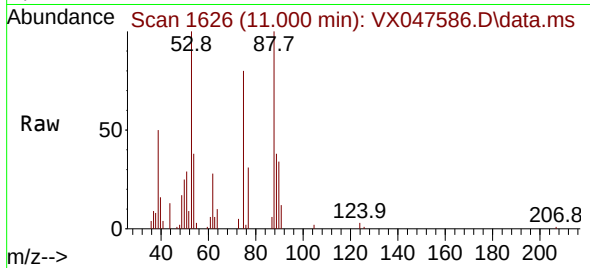




#81
trans-1,4-Dichloro-2-butene
Concen: 4.364 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

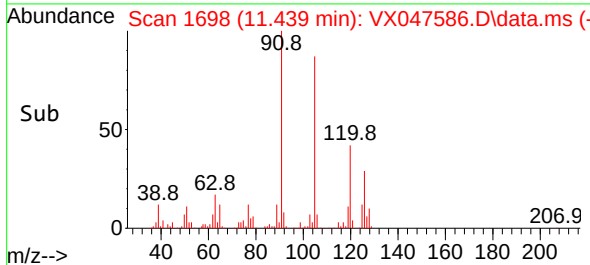
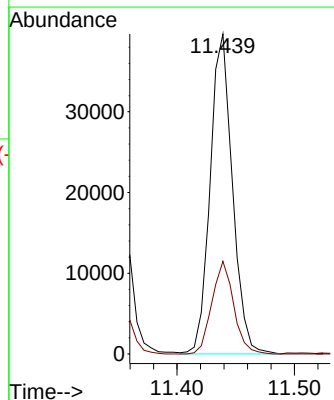
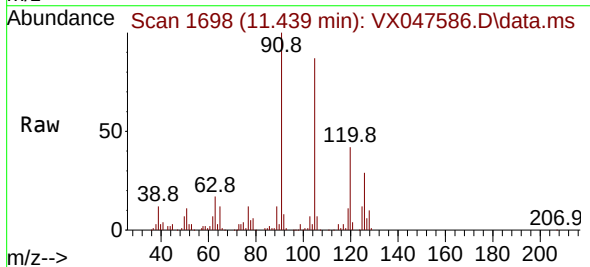
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

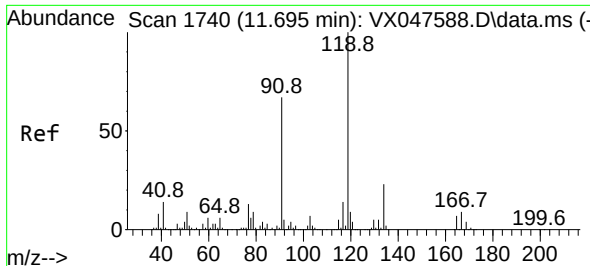
Tgt Ion:	75	Resp:	5413
Ion	Ratio	Lower	Upper
75	100		
53	114.9	83.4	125.2
89	48.3	36.3	54.5



#82
4-Chlorotoluene
Concen: 5.149 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:	91	Resp:	52294
Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6

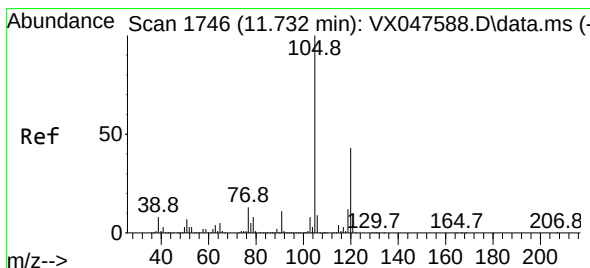
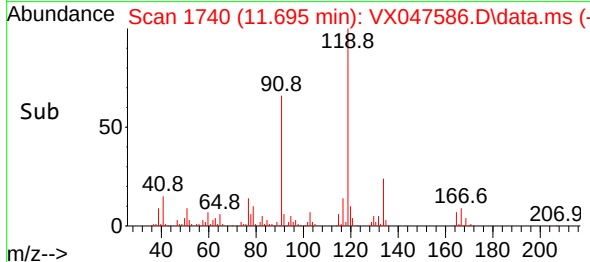
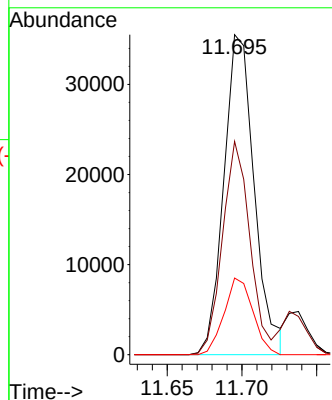
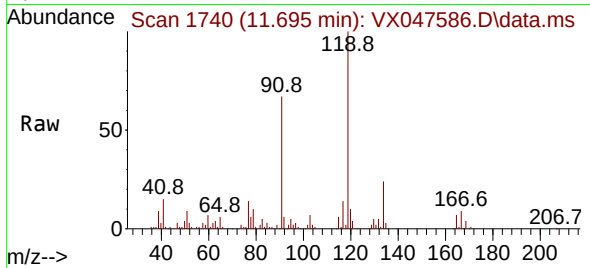




#83
tert-Butylbenzene
Concen: 5.041 ug/l
RT: 11.695 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

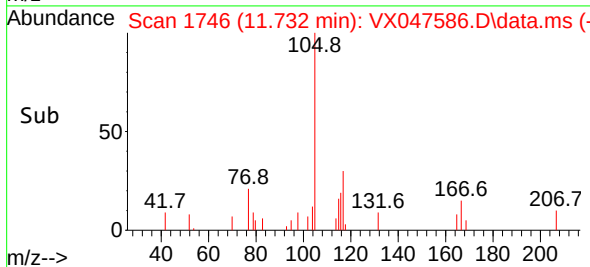
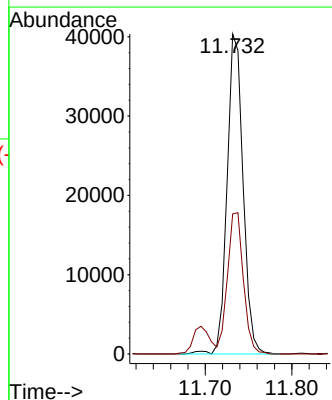
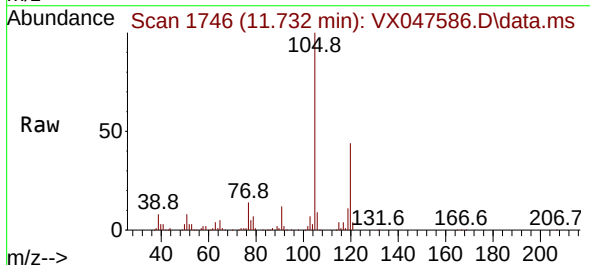
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

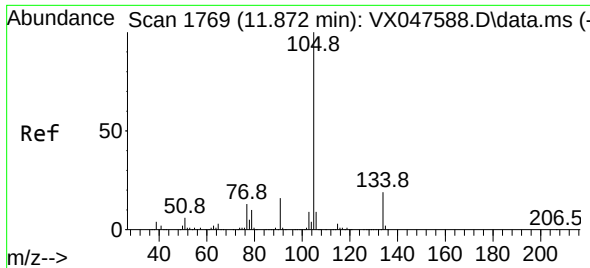
Tgt Ion:119 Resp: 50350
Ion Ratio Lower Upper
119 100
91 60.1 29.6 88.8
134 22.7 11.0 33.0



#84
1,2,4-Trimethylbenzene
Concen: 5.214 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 51583
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.1

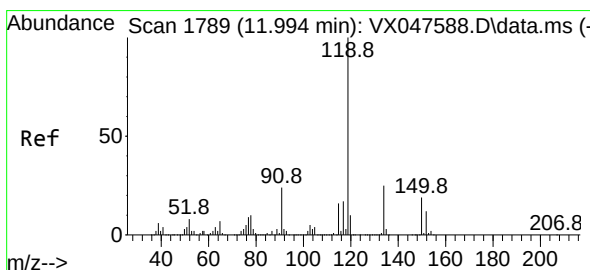
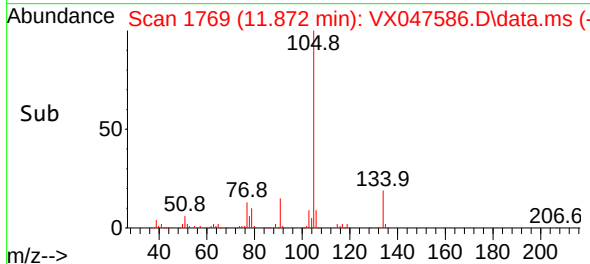
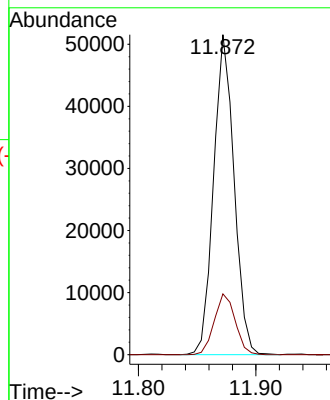
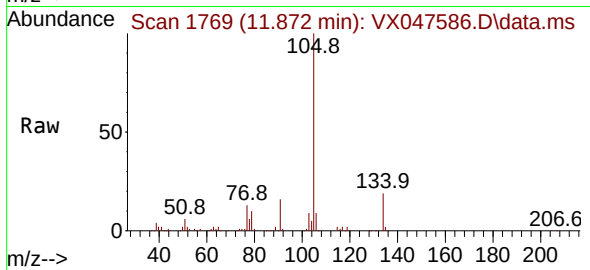




#85
 sec-Butylbenzene
 Concen: 5.268 ug/l
 RT: 11.872 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: VX047586.D
 Acq: 16 Sep 2025 10:16

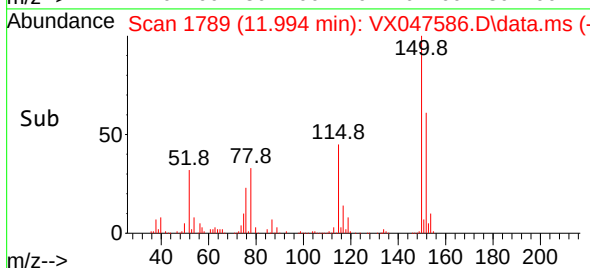
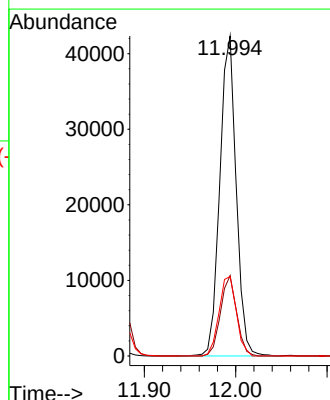
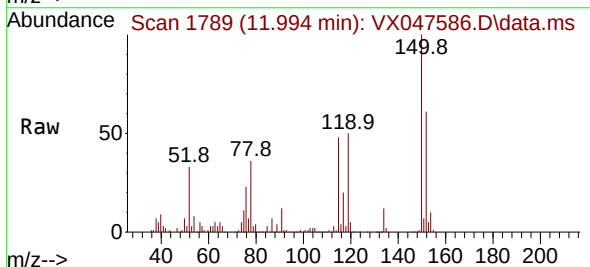
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

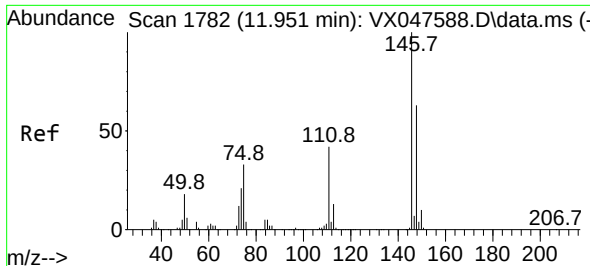
Tgt Ion:105 Resp: 62507
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 5.244 ug/l
 RT: 11.994 min Scan# 1789
 Delta R.T. -0.000 min
 Lab File: VX047586.D
 Acq: 16 Sep 2025 10:16

Tgt Ion:119 Resp: 52674
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.6 37.8
 91 26.2 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 5.175 ug/l

RT: 11.951 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

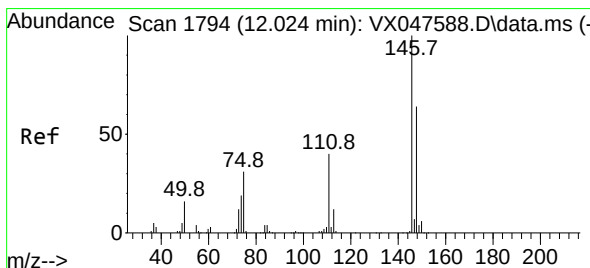
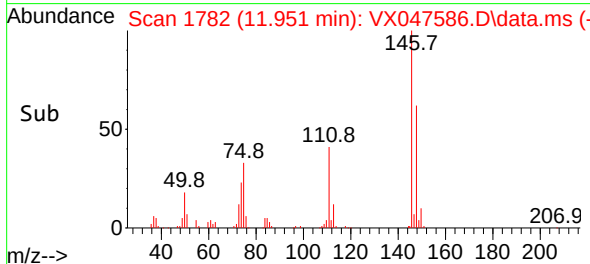
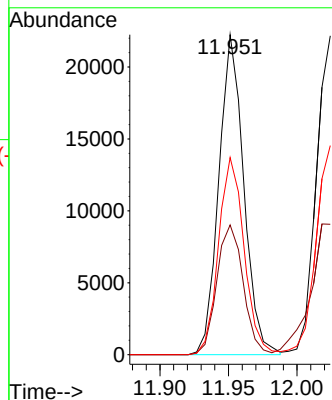
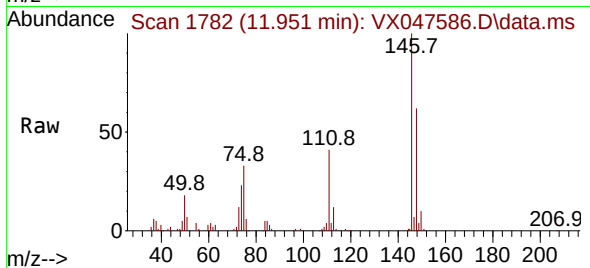
Tgt Ion:146 Resp: 28116

Ion Ratio Lower Upper

146 100

111 43.0 21.5 64.5

148 63.4 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 5.294 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

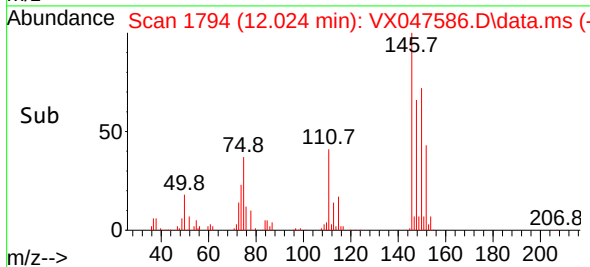
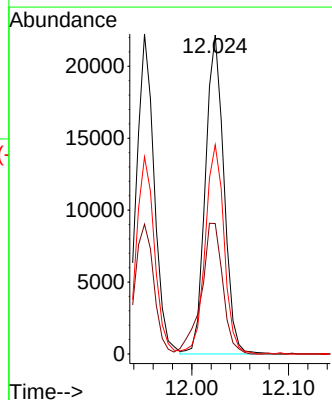
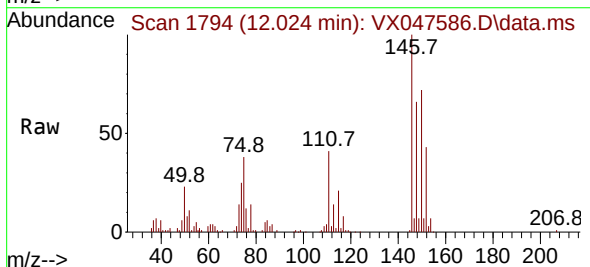
Tgt Ion:146 Resp: 29519

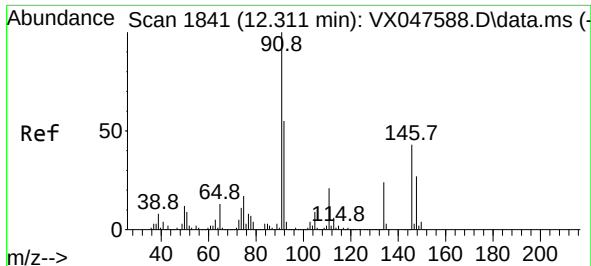
Ion Ratio Lower Upper

146 100

111 47.8 20.8 62.4

148 66.9 31.7 95.1





#89

n-Butylbenzene

Concen: 5.159 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

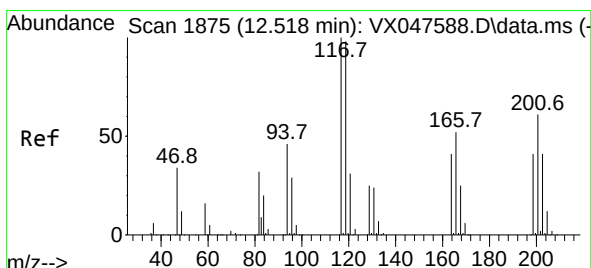
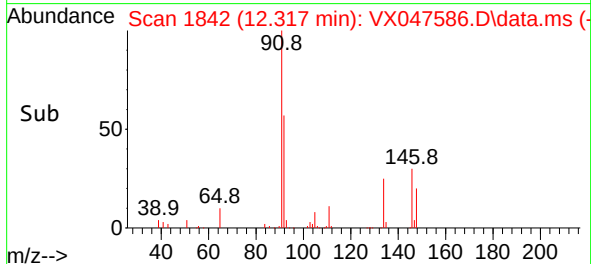
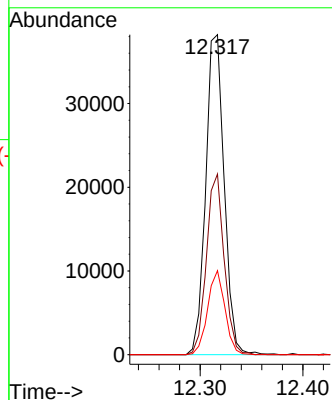
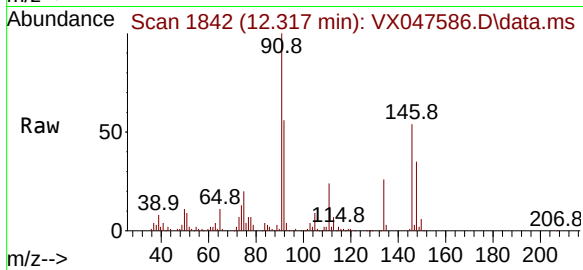
Tgt Ion: 91 Resp: 47953

Ion Ratio Lower Upper

91 100

92 54.1 27.6 82.7

134 24.6 12.6 37.8



#90

Hexachloroethane

Concen: 5.007 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX047586.D

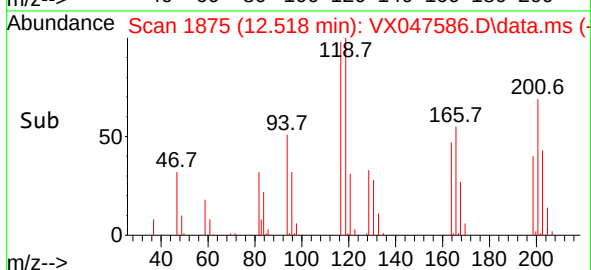
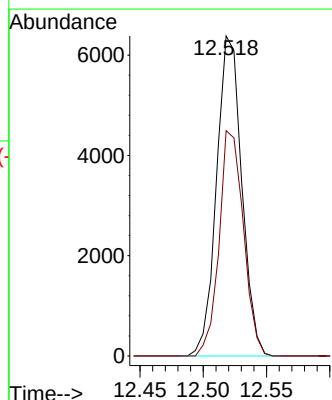
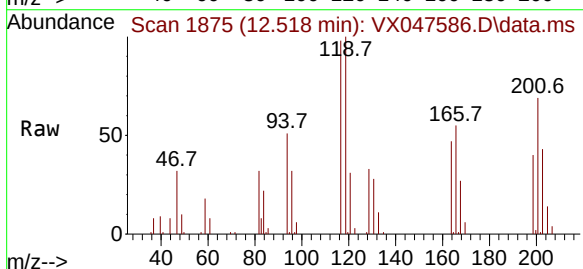
Acq: 16 Sep 2025 10:16

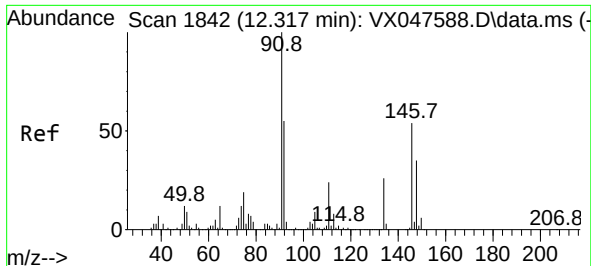
Tgt Ion: 117 Resp: 8830

Ion Ratio Lower Upper

117 100

201 67.9 34.2 102.5

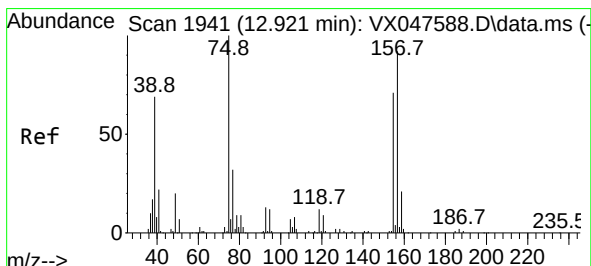
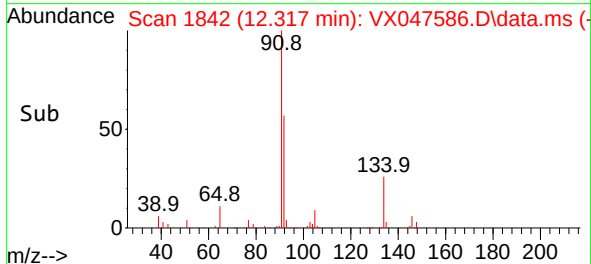
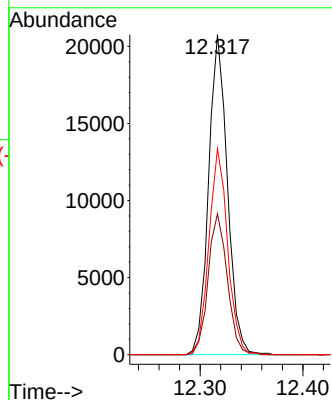
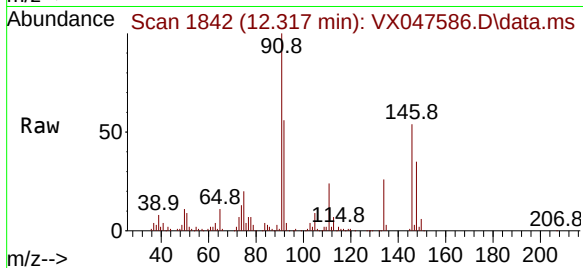




#91
 1,2-Dichlorobenzene
 Concen: 5.102 ug/l
 RT: 12.317 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: VX047586.D
 Acq: 16 Sep 2025 10:16

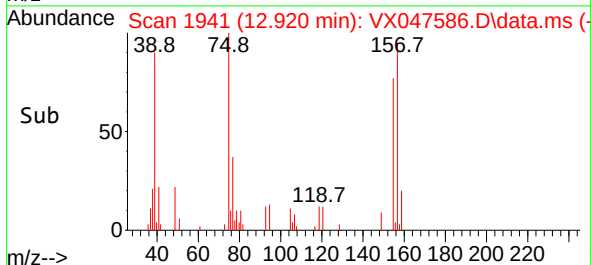
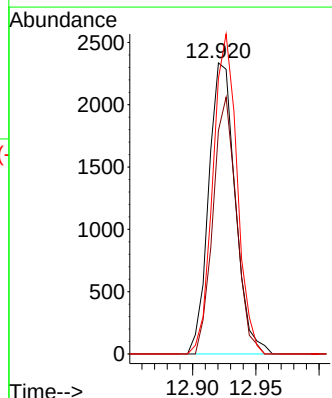
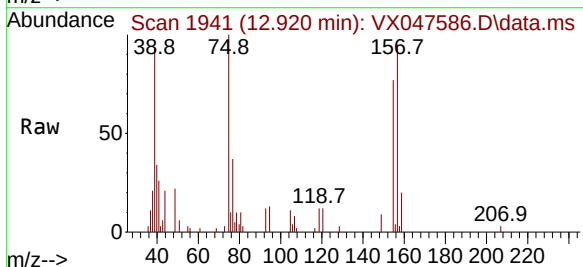
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

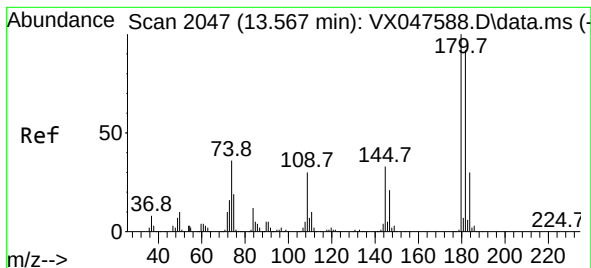
Tgt Ion:	146	Resp:	26409
Ion Ratio	Lower	Upper	
146	100		
111	44.9	22.2	66.6
148	64.2	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.690 ug/l
 RT: 12.920 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: VX047586.D
 Acq: 16 Sep 2025 10:16

Tgt Ion:	75	Resp:	3412
Ion Ratio	Lower	Upper	
75	100		
155	77.4	37.7	113.1
157	100.1	49.8	149.4

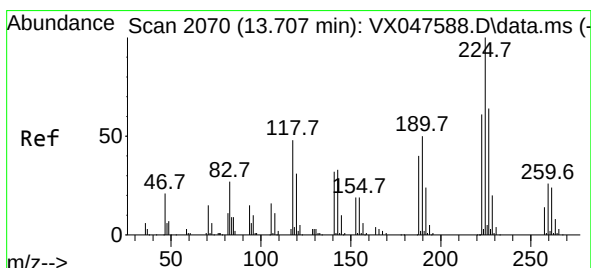
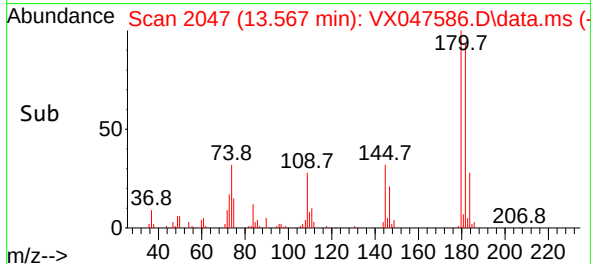
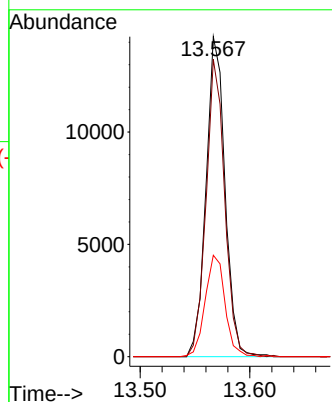
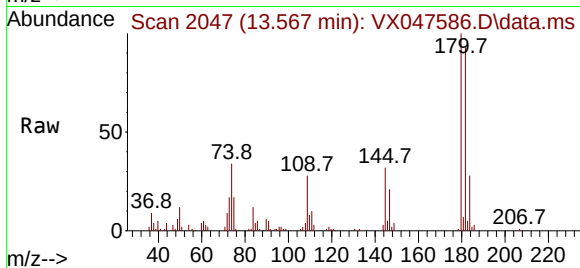




#93
1,2,4-Trichlorobenzene
Concen: 5.103 ug/l
RT: 13.567 min Scan# 2047
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

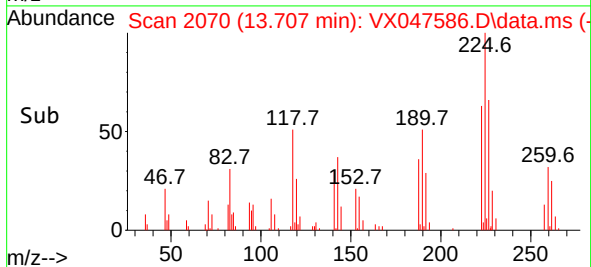
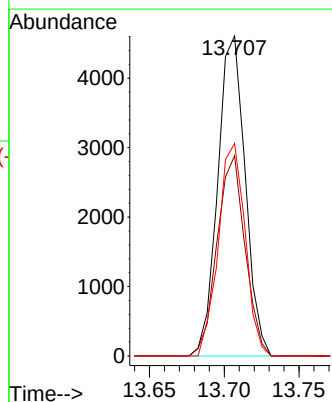
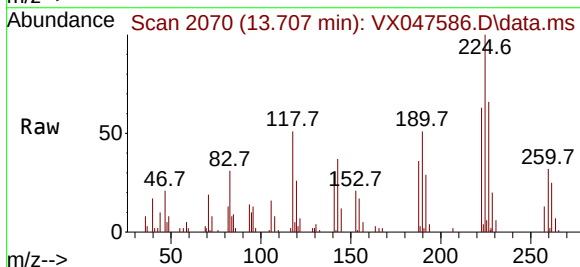
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

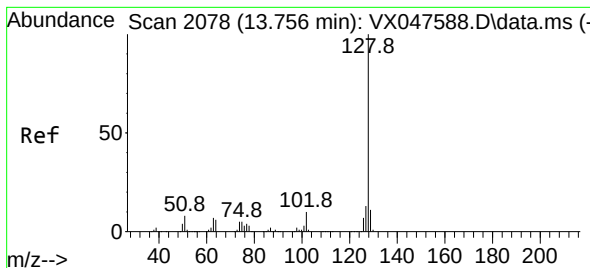
Tgt Ion:180 Resp: 17167
Ion Ratio Lower Upper
180 100
182 91.2 46.6 139.8
145 33.2 16.4 49.1



#94
Hexachlorobutadiene
Concen: 5.158 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:225 Resp: 5894
Ion Ratio Lower Upper
225 100
223 63.7 31.7 95.1
227 64.7 32.0 96.0





#95

Naphthalene

Concen: 4.808 ug/l

RT: 13.756 min Scan# 2108

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

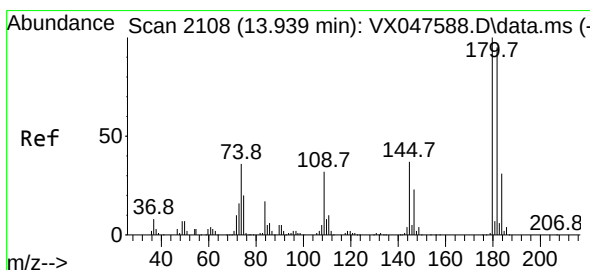
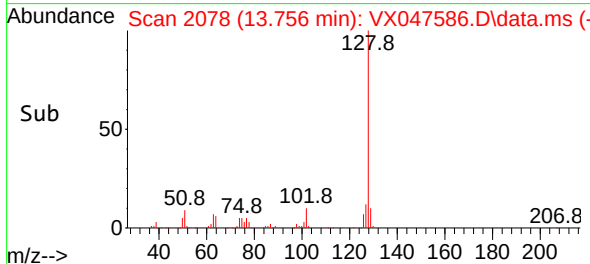
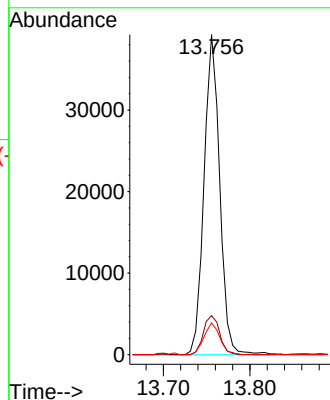
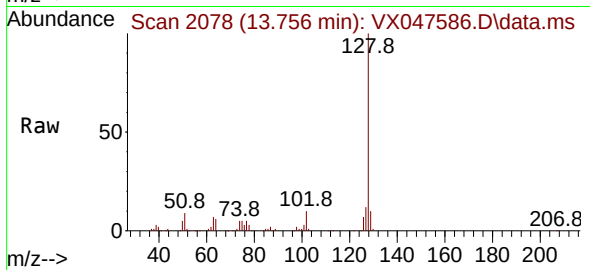
Tgt Ion:128 Resp: 49257

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 10.1 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 4.921 ug/l

RT: 13.939 min Scan# 2108

Delta R.T. -0.000 min

Lab File: VX047586.D

Acq: 16 Sep 2025 10:16

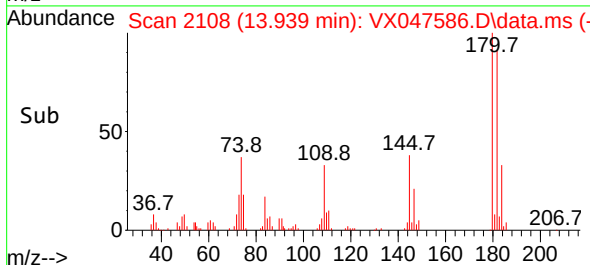
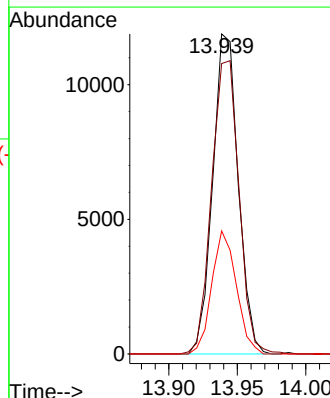
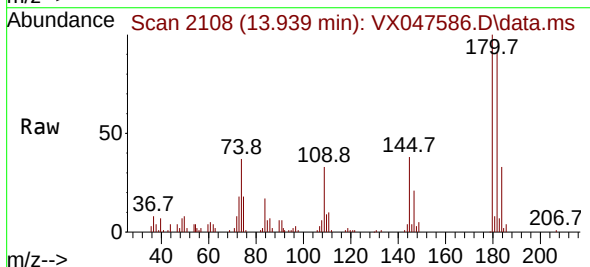
Tgt Ion:180 Resp: 15400

Ion Ratio Lower Upper

180 100

182 98.0 47.6 142.8

145 37.1 17.9 53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047587.D
 Acq On : 16 Sep 2025 10:37
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Sep 22 01:49:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	189559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	336287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	298629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	49073	16.264	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	32.520%#
35) Dibromofluoromethane	5.379	113	35788	15.868	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	31.740%#
50) Toluene-d8	8.634	98	126875	16.258	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	32.520%#
62) 4-Bromofluorobenzene	11.067	95	48454	16.360	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	32.720%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	44126	22.480	ug/l	100
3) Chloromethane	1.300	50	56023	21.716	ug/l	96
4) Vinyl Chloride	1.386	62	54256	21.485	ug/l	96
5) Bromomethane	1.617	94	34193	21.353	ug/l	100
6) Chloroethane	1.697	64	35551	21.063	ug/l	97
7) Trichlorofluoromethane	1.898	101	78667	20.980	ug/l	100
8) Diethyl Ether	2.136	74	31335	20.429	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	45733	20.859	ug/l	98
10) Methyl Iodide	2.459	142	69935	20.452	ug/l	99
11) Tert butyl alcohol	2.946	59	32456	96.582	ug/l	98
12) 1,1-Dichloroethene	2.325	96	46863	20.808	ug/l	96
13) Acrolein	2.239	56	26159	84.473	ug/l	100
14) Allyl chloride	2.666	41	94710	20.379	ug/l	97
15) Acrylonitrile	3.062	53	130143	104.554	ug/l	99
16) Acetone	2.373	43	151538	115.507	ug/l	100
17) Carbon Disulfide	2.520	76	133296	21.620	ug/l	98
18) Methyl Acetate	2.703	43	54120	18.536	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	168426	20.486	ug/l	98
20) Methylene Chloride	2.788	84	57153	20.581	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	50413	20.791	ug/l	94
22) Diisopropyl ether	3.757	45	188598	20.940	ug/l	96
23) Vinyl Acetate	3.715	43	765675	106.218	ug/l	100
24) 1,1-Dichloroethane	3.605	63	98509	20.578	ug/l	99
25) 2-Butanone	4.538	43	179487	109.679	ug/l	94
26) 2,2-Dichloropropane	4.471	77	81413	20.459	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	60865	20.497	ug/l	98
28) Bromochloromethane	4.891	49	34085	16.309	ug/l	100
29) Tetrahydrofuran	4.995	42	102935	104.560	ug/l	97
30) Chloroform	5.080	83	103586	21.413	ug/l	99
31) Cyclohexane	5.464	56	82770	20.759	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	86500	21.081	ug/l	99
36) 1,1-Dichloropropene	5.684	75	68395	20.754	ug/l	99
37) Ethyl Acetate	4.702	43	74499	21.113	ug/l	96
38) Carbon Tetrachloride	5.665	117	74636	20.844	ug/l	95
39) Methylcyclohexane	7.366	83	79499	21.251	ug/l	98
40) Benzene	6.025	78	210711	21.051	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047587.D
 Acq On : 16 Sep 2025 10:37
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Sep 22 01:49:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	38525	21.148	ug/l	99
42) 1,2-Dichloroethane	6.074	62	80646	21.175	ug/l	99
43) Isopropyl Acetate	6.324	43	119623	20.670	ug/l	100
44) Trichloroethene	7.110	130	51369	21.228	ug/l	97
45) 1,2-Dichloropropane	7.415	63	53046	20.697	ug/l	97
46) Dibromomethane	7.568	93	38910	20.862	ug/l	99
47) Bromodichloromethane	7.805	83	80831	21.002	ug/l	98
48) Methyl methacrylate	7.677	41	60182	20.877	ug/l	98
49) 1,4-Dioxane	7.647	88	12047	413.530	ug/l	95
51) 4-Methyl-2-Pentanone	8.561	43	338370	105.456	ug/l	100
52) Toluene	8.708	92	129193	20.950	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	80972	20.625	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	86648	20.650	ug/l	99
55) 1,1,2-Trichloroethane	9.140	97	49857	20.967	ug/l	98
56) Ethyl methacrylate	9.104	69	79011	21.158	ug/l	99
57) 1,3-Dichloropropane	9.293	76	85511	20.934	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	141395	86.617	ug/l	100
59) 2-Hexanone	9.415	43	250007	108.488	ug/l	99
60) Dibromochloromethane	9.506	129	57994	21.167	ug/l	99
61) 1,2-Dibromoethane	9.598	107	51614	21.310	ug/l	99
64) Tetrachloroethene	9.262	164	40840	20.979	ug/l	95
65) Chlorobenzene	10.061	112	140642	20.731	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	48022	20.513	ug/l	99
67) Ethyl Benzene	10.177	91	244737	20.907	ug/l	98
68) m/p-Xylenes	10.287	106	182778	41.951	ug/l	100
69) o-Xylene	10.628	106	87651	20.799	ug/l	98
70) Styrene	10.640	104	154077	20.866	ug/l	99
71) Bromoform	10.780	173	35922	20.550	ug/l #	98
73) Isopropylbenzene	10.945	105	225730	20.970	ug/l	99
74) N-amyl acetate	10.829	43	104823	21.354	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	68132	20.920	ug/l	99
76) 1,2,3-Trichloropropane	11.225	75	76996	26.858	ug/l	89
77) Bromobenzene	11.183	156	56161	21.183	ug/l	99
78) n-propylbenzene	11.286	91	268399	21.092	ug/l	100
79) 2-Chlorotoluene	11.347	91	166237	21.329	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	187513	21.202	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	21553	19.173	ug/l	96
82) 4-Chlorotoluene	11.439	91	193122	20.980	ug/l	100
83) tert-Butylbenzene	11.695	119	189484	20.929	ug/l	100
84) 1,2,4-Trimethylbenzene	11.738	105	191477	21.355	ug/l	98
85) sec-Butylbenzene	11.872	105	223434	20.777	ug/l	100
86) p-Isopropyltoluene	11.994	119	190931	20.972	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	103584	21.035	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	105819	20.937	ug/l	99
89) n-Butylbenzene	12.317	91	176373	20.937	ug/l	99
90) Hexachloroethane	12.518	117	32526	20.349	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	99493	21.207	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	13729	20.821	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	62722	20.571	ug/l	96
94) Hexachlorobutadiene	13.707	225	20456	19.751	ug/l	98
95) Naphthalene	13.756	128	193134	20.801	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	58409	20.593	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

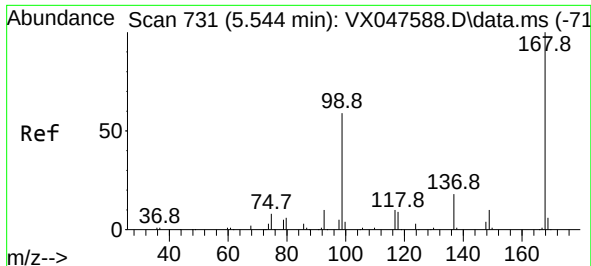
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

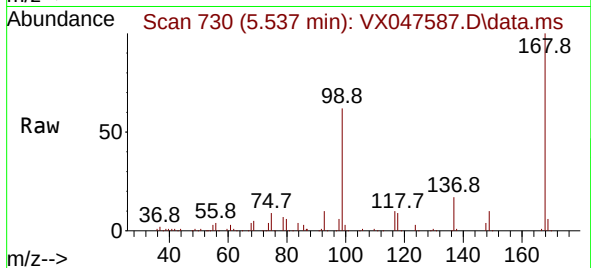
- 1
- 2
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- 13
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- 15
- 16
- 17



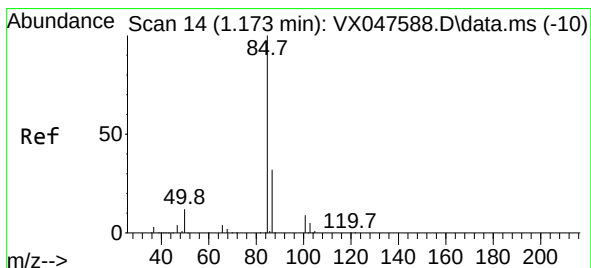
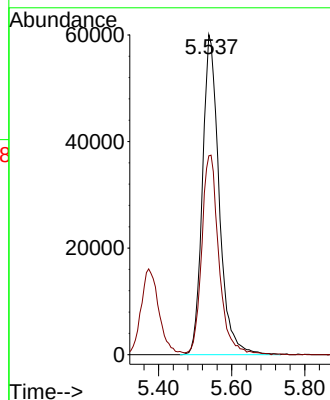
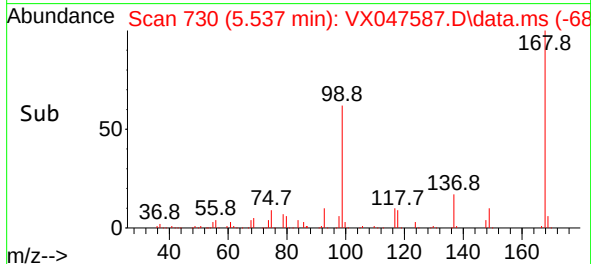


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

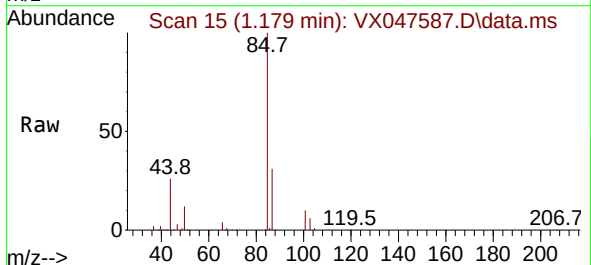
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



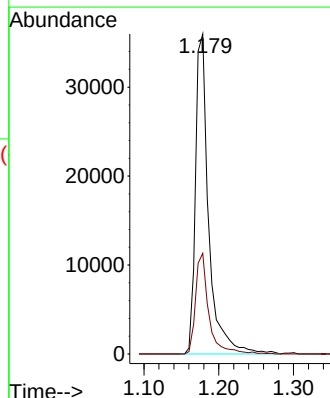
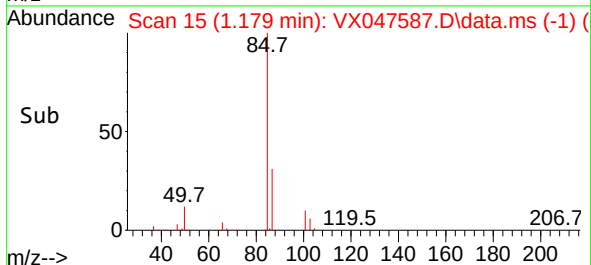
Tgt Ion:168 Resp: 189559
Ion Ratio Lower Upper
168 100
99 61.9 48.8 73.2

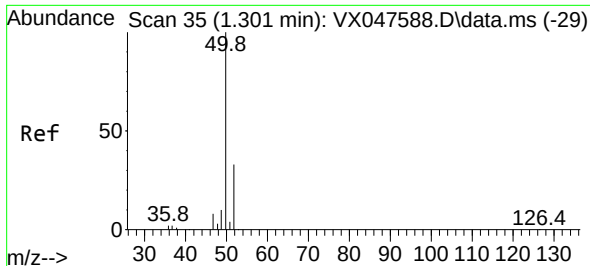


#2
Dichlorodifluoromethane
Concen: 22.480 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37



Tgt Ion: 85 Resp: 44126
Ion Ratio Lower Upper
85 100
87 31.5 15.8 47.3

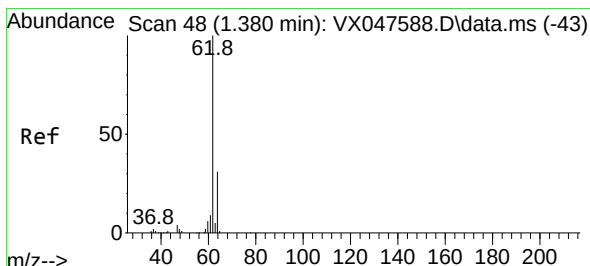
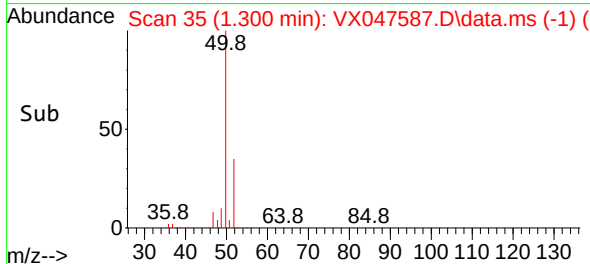
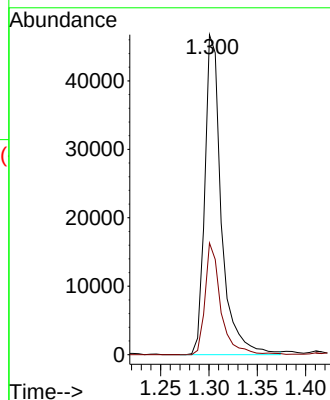
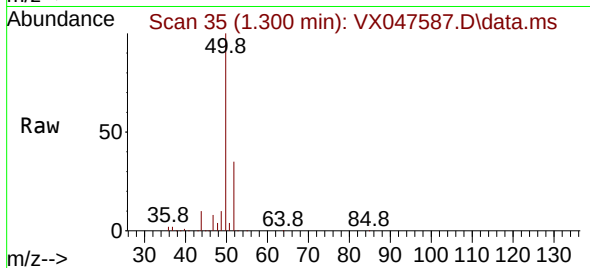




#3
Chloromethane
Concen: 21.716 ug/l
RT: 1.300 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

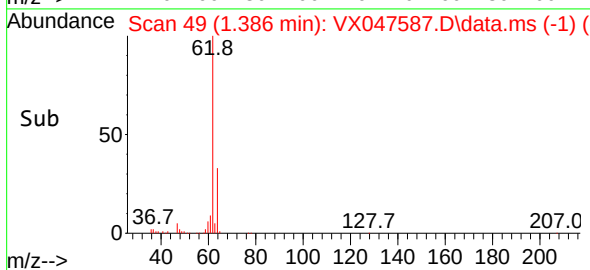
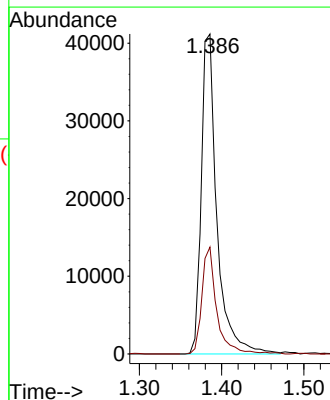
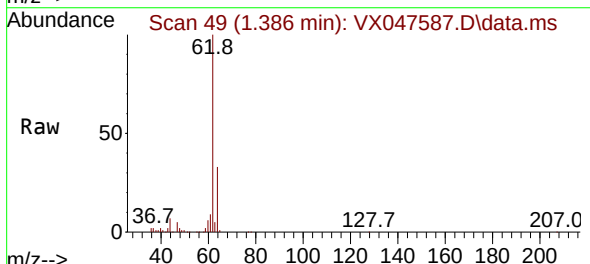
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

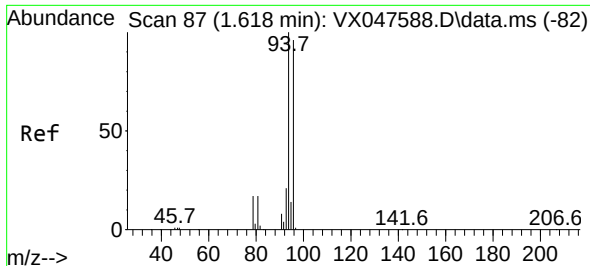
Tgt Ion: 50 Resp: 56023
Ion Ratio Lower Upper
50 100
52 34.9 26.1 39.1



#4
Vinyl Chloride
Concen: 21.485 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 54256
Ion Ratio Lower Upper
62 100
64 33.4 24.9 37.3

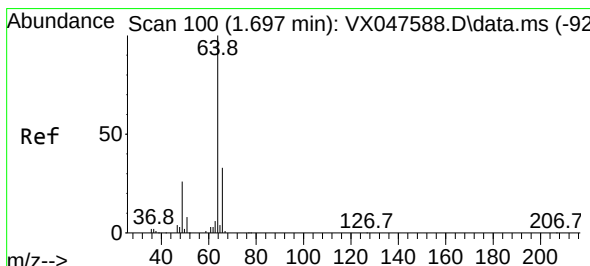
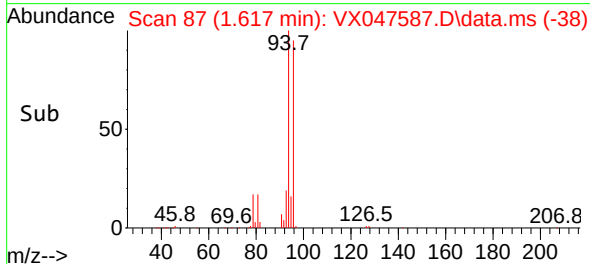
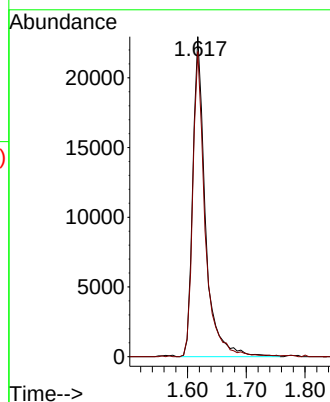
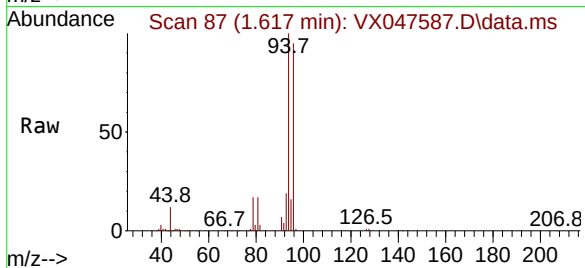




#5
Bromomethane
Concen: 21.353 ug/l
RT: 1.617 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

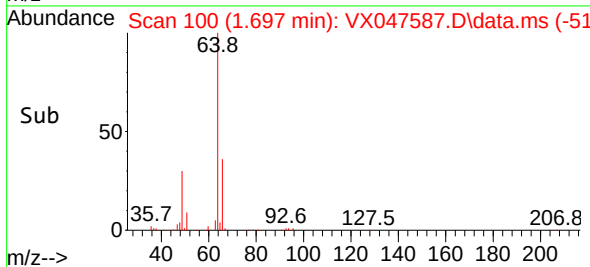
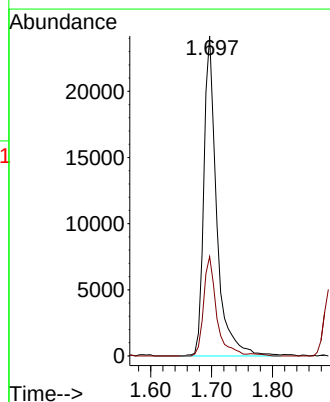
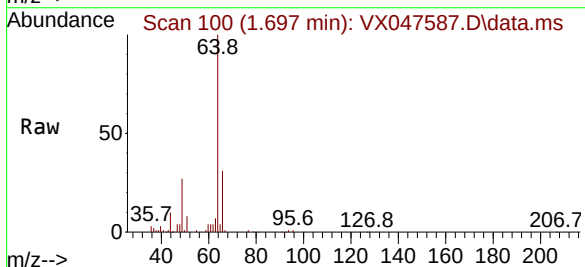
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

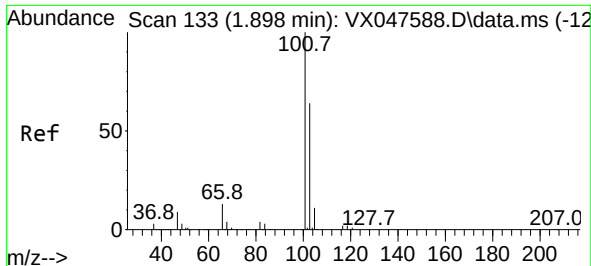
Tgt Ion: 94 Resp: 34193
Ion Ratio Lower Upper
94 100
96 95.3 76.6 115.0



#6
Chloroethane
Concen: 21.063 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 64 Resp: 35551
Ion Ratio Lower Upper
64 100
66 31.0 26.1 39.1

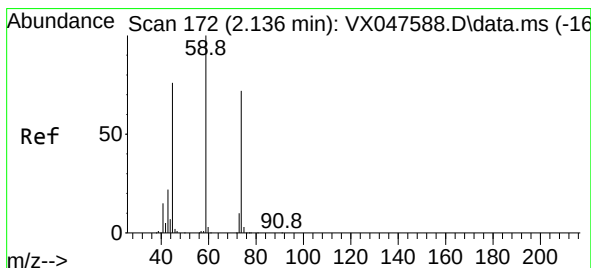
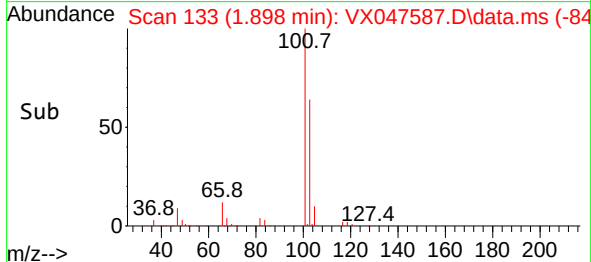
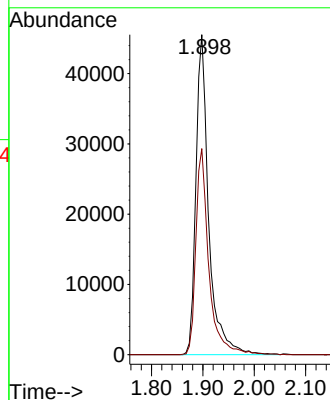
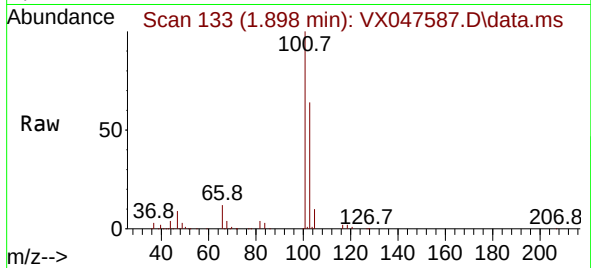




#7
 Trichlorofluoromethane
 Concen: 20.980 ug/l
 RT: 1.898 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047587.D
 Acq: 16 Sep 2025 10:37

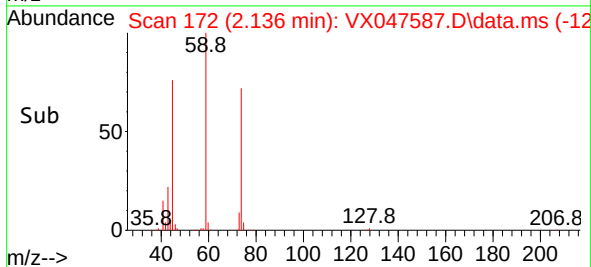
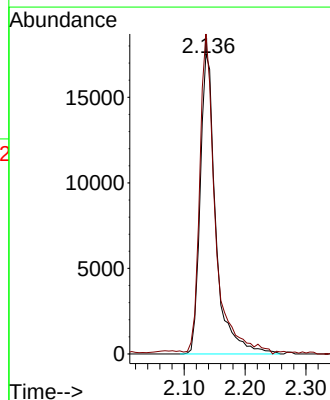
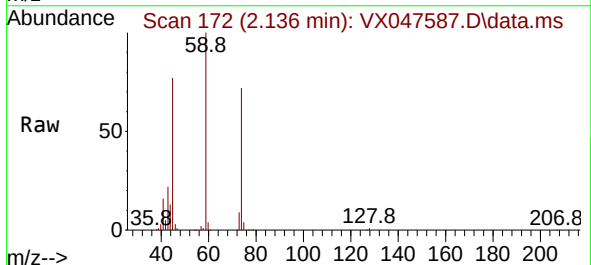
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

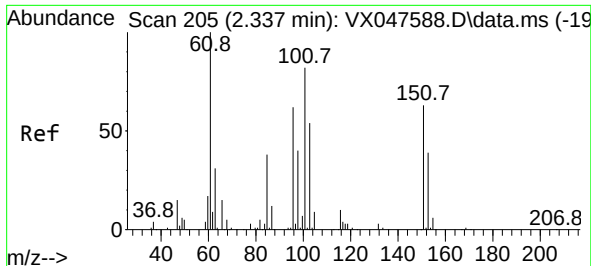
Tgt Ion:101 Resp: 78667
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.4 77.2



#8
 Diethyl Ether
 Concen: 20.429 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. -0.000 min
 Lab File: VX047587.D
 Acq: 16 Sep 2025 10:37

Tgt Ion: 74 Resp: 31335
 Ion Ratio Lower Upper
 74 100
 45 107.0 52.3 156.8

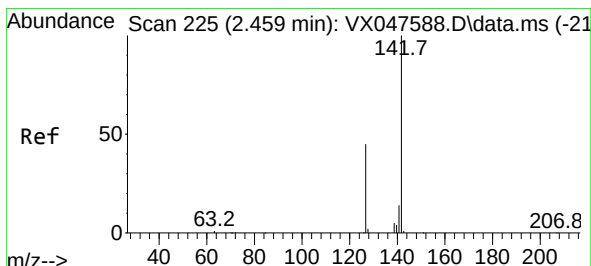
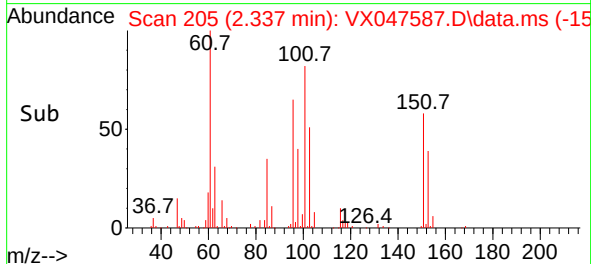
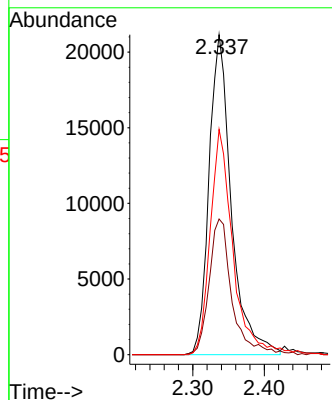
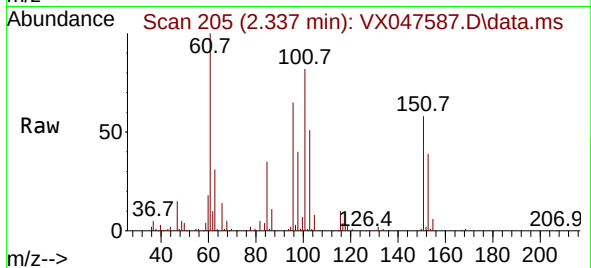




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.859 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

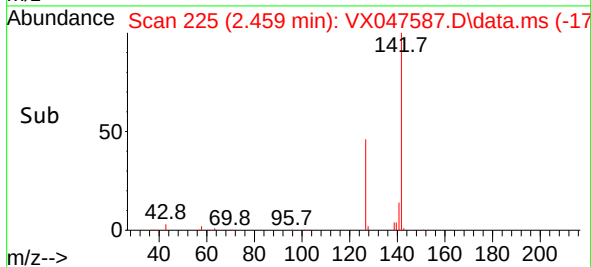
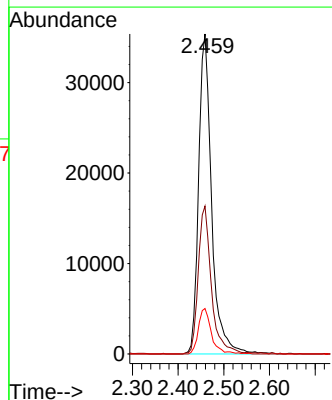
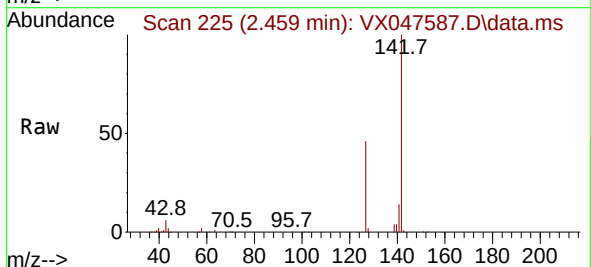
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

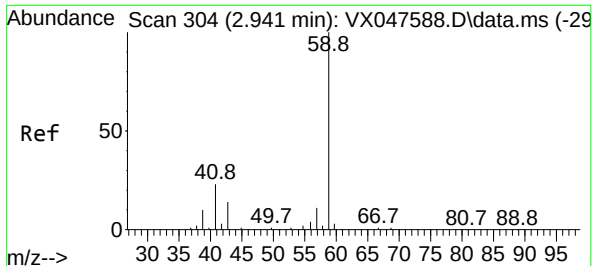
Tgt Ion:101 Resp: 45733
Ion Ratio Lower Upper
101 100
85 43.6 35.5 53.3
151 72.1 59.4 89.0



#10
Methyl Iodide
Concen: 20.452 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:142 Resp: 69935
Ion Ratio Lower Upper
142 100
127 46.9 37.2 55.8
141 14.3 11.4 17.0

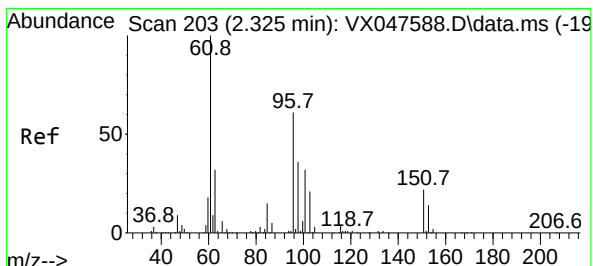
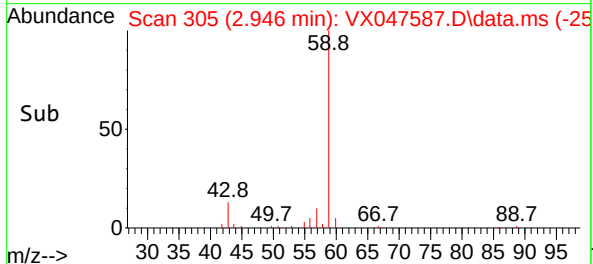
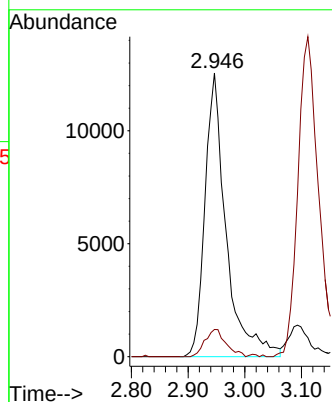
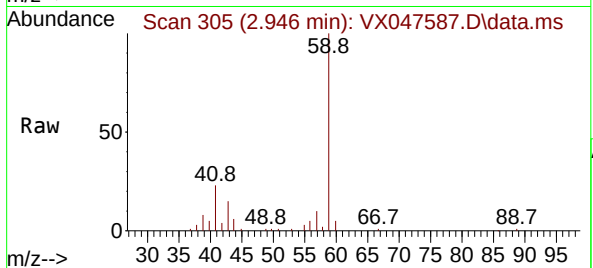




#11
Tert butyl alcohol
Concen: 96.582 ug/l
RT: 2.946 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

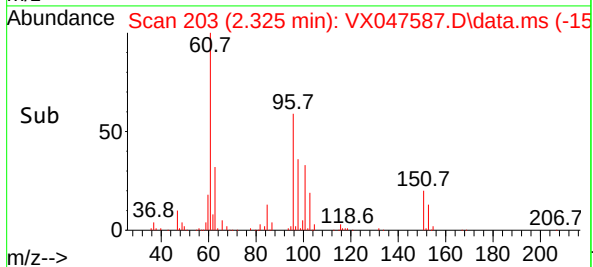
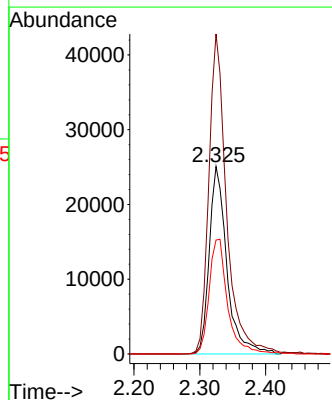
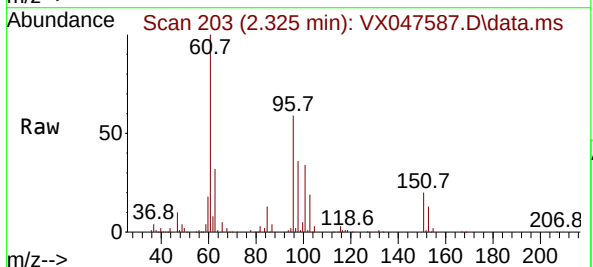
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

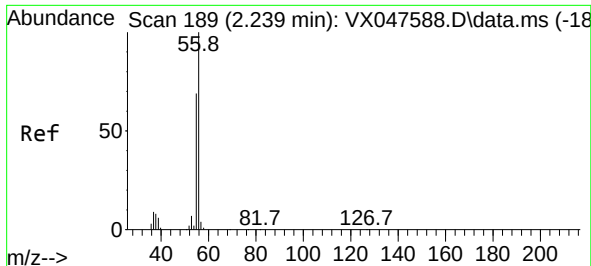
Tgt Ion: 59 Resp: 32456
Ion Ratio Lower Upper
59 100
57 9.5 8.3 12.5



#12
1,1-Dichloroethene
Concen: 20.808 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 46863
Ion Ratio Lower Upper
96 100
61 170.7 131.0 196.6
98 60.8 47.7 71.5

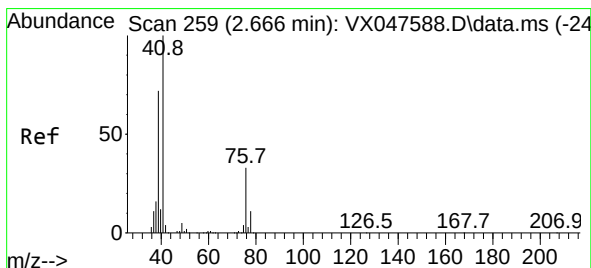
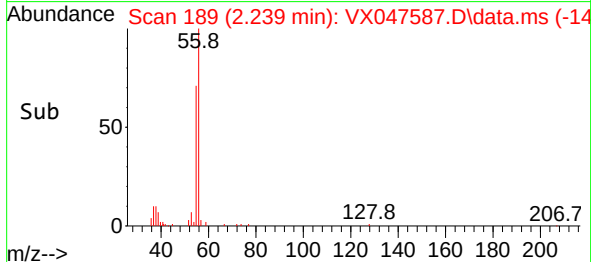
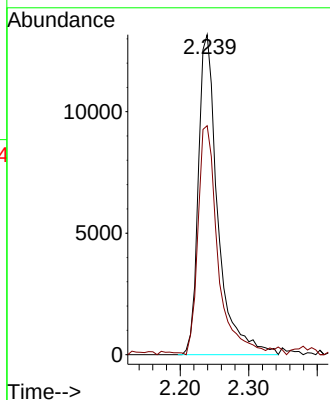
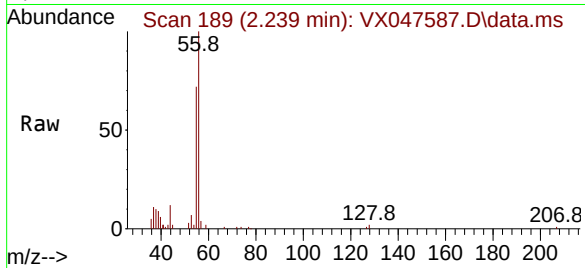




#13
Acrolein
Concen: 84.473 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

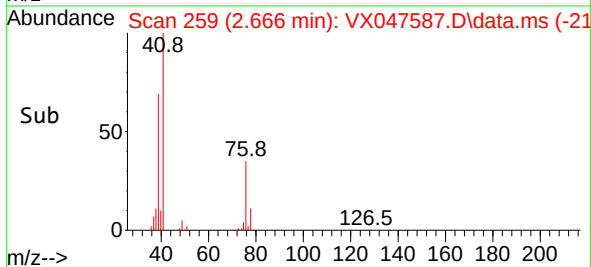
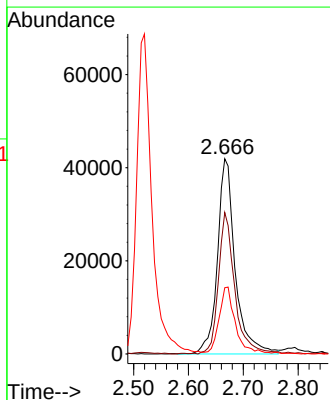
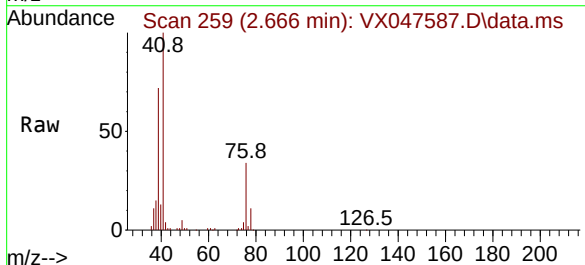
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

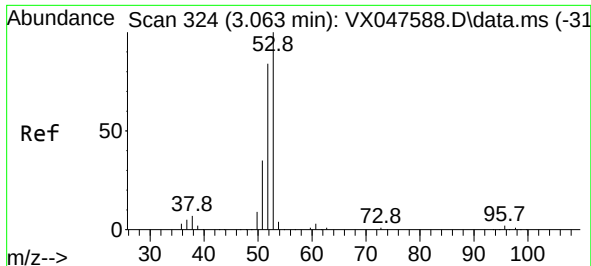
Tgt Ion: 56 Resp: 26159
Ion Ratio Lower Upper
56 100
55 71.5 57.2 85.8



#14
Allyl chloride
Concen: 20.379 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 94710
Ion Ratio Lower Upper
41 100
39 65.5 54.7 82.1
76 30.3 25.7 38.5

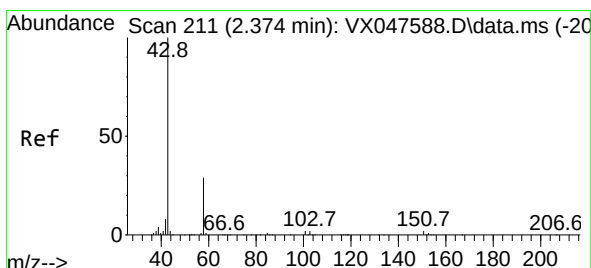
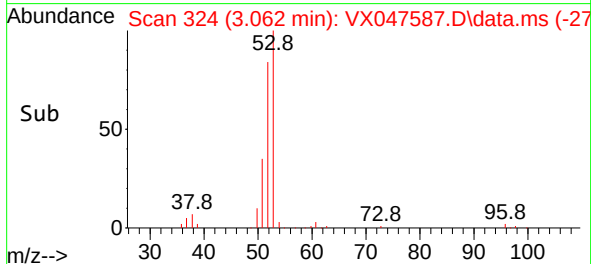
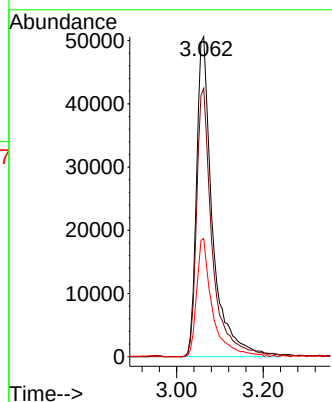
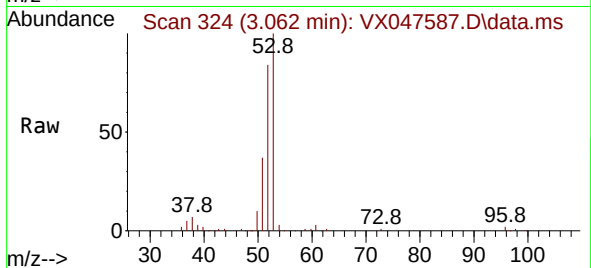




#15
Acrylonitrile
Concen: 104.554 ug/l
RT: 3.062 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

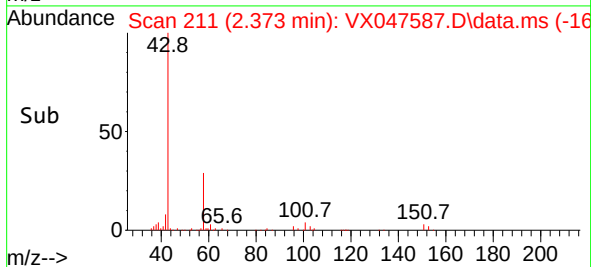
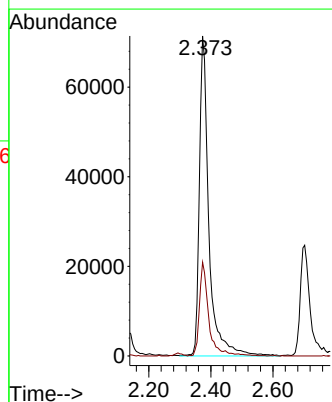
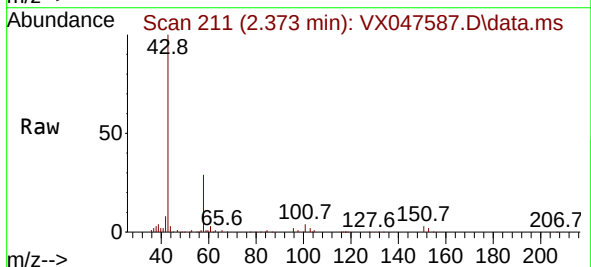
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

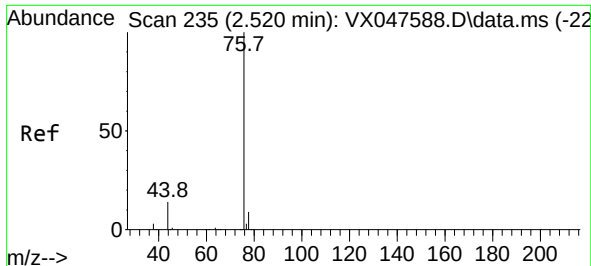
Tgt Ion: 53 Resp: 130143
Ion Ratio Lower Upper
53 100
52 82.3 66.4 99.6
51 36.2 29.5 44.3



#16
Acetone
Concen: 115.507 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 151538
Ion Ratio Lower Upper
43 100
58 29.3 23.4 35.0

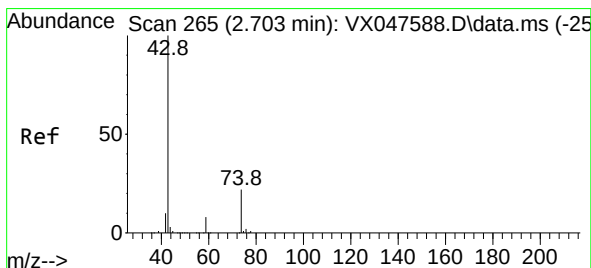
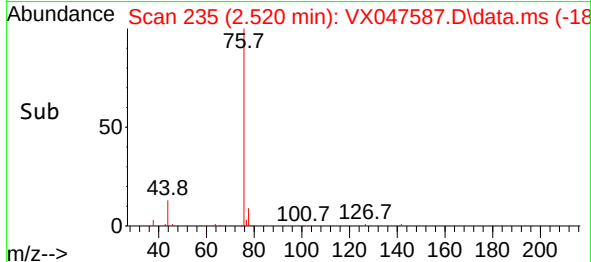
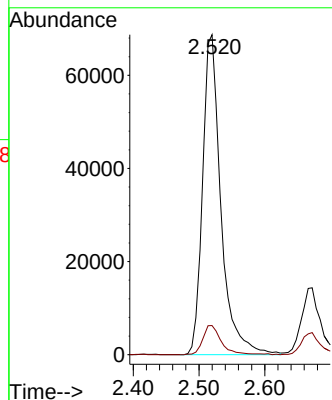
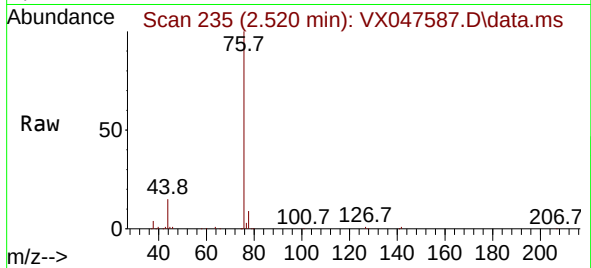




#17
Carbon Disulfide
Concen: 21.620 ug/l
RT: 2.520 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

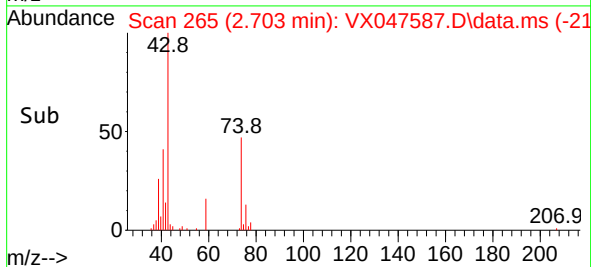
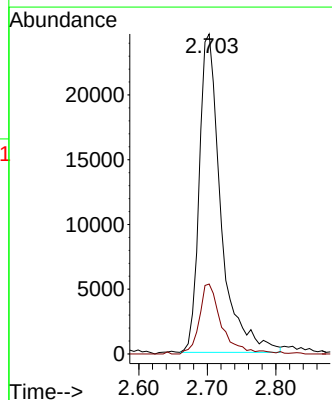
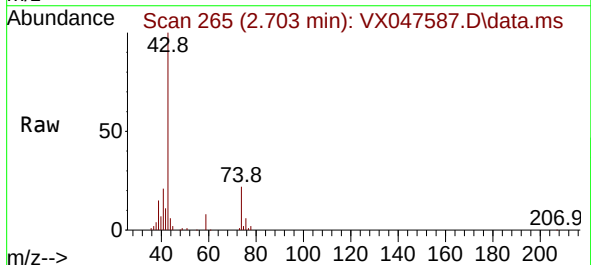
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

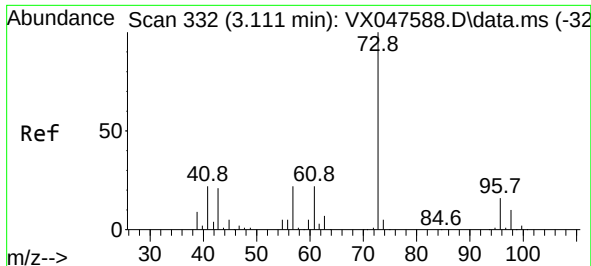
Tgt Ion: 76 Resp: 133296
Ion Ratio Lower Upper
76 100
78 9.1 6.8 10.2



#18
Methyl Acetate
Concen: 18.536 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 54120
Ion Ratio Lower Upper
43 100
74 22.7 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 20.486 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

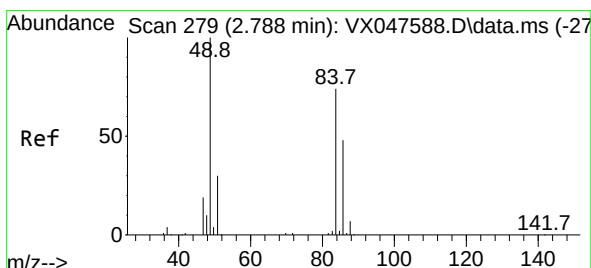
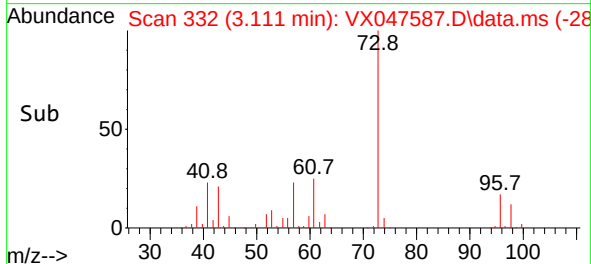
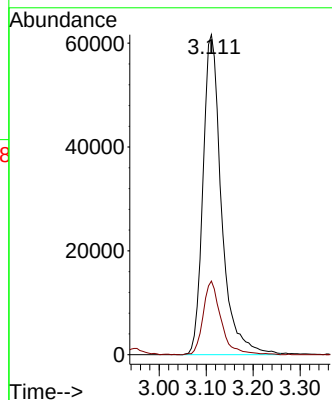
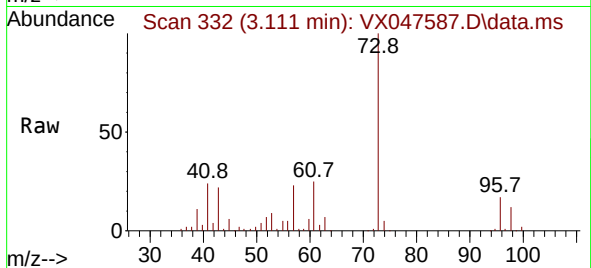
VSTDICC020

Tgt Ion: 73 Resp: 168426

Ion Ratio Lower Upper

73 100

57 23.0 17.4 26.2



#20

Methylene Chloride

Concen: 20.581 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Tgt Ion: 84 Resp: 57153

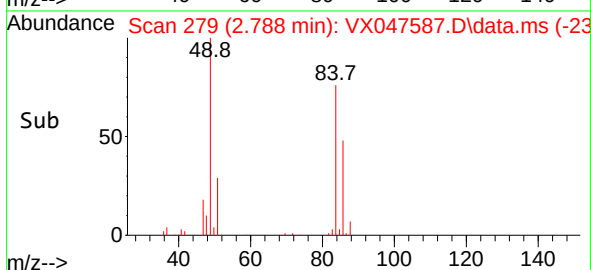
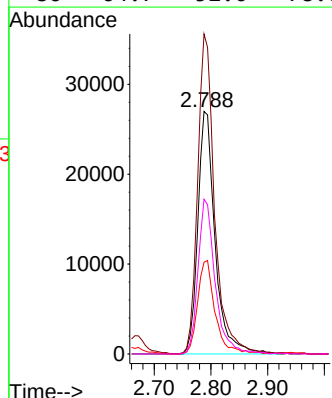
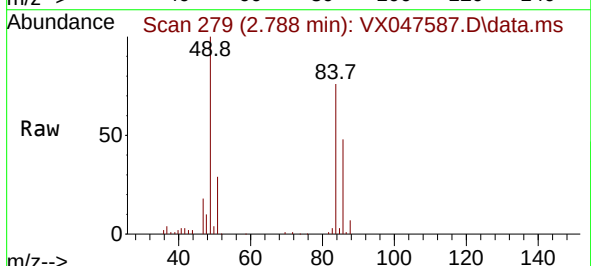
Ion Ratio Lower Upper

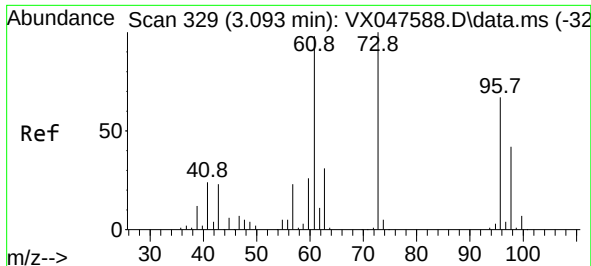
84 100

49 131.7 108.6 162.8

51 37.9 32.6 48.8

86 64.7 52.0 78.0

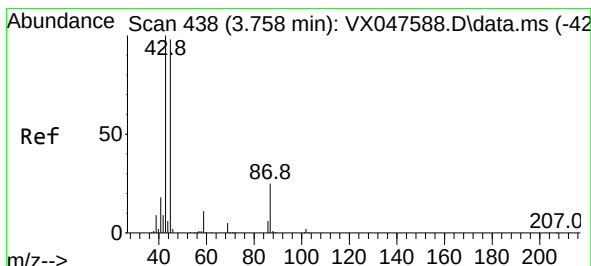
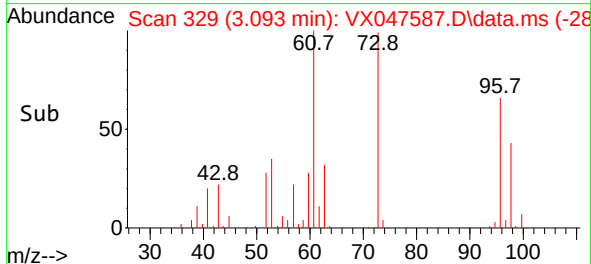
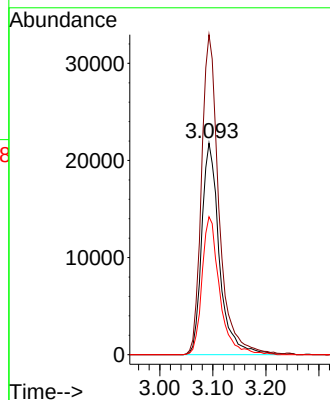
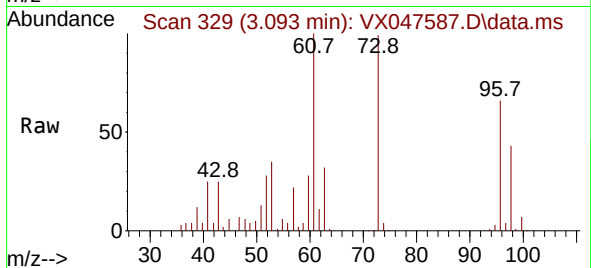




#21
trans-1,2-Dichloroethene
Concen: 20.791 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

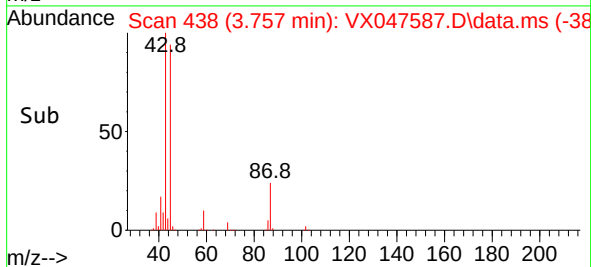
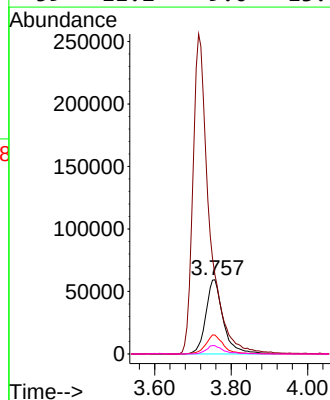
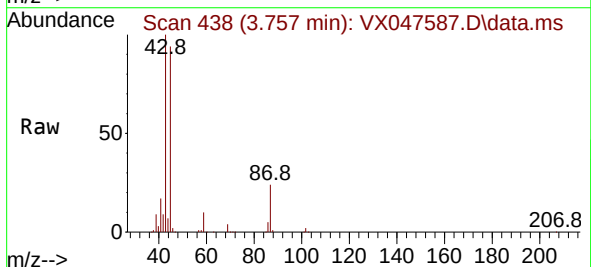
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

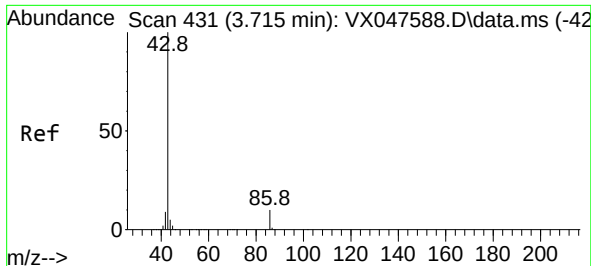
Tgt Ion: 96 Resp: 50413
Ion Ratio Lower Upper
96 100
61 151.3 116.2 174.2
98 67.2 49.3 73.9



#22
Diisopropyl ether
Concen: 20.940 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 45 Resp: 188598
Ion Ratio Lower Upper
45 100
43 106.1 81.0 121.4
87 25.5 20.3 30.5
59 11.2 9.0 13.4

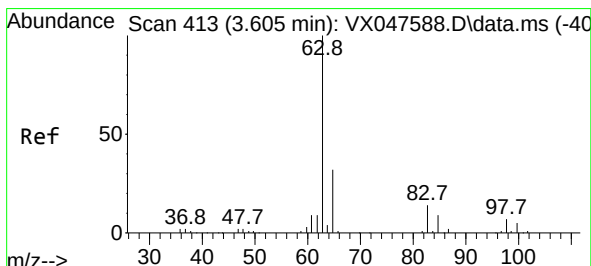
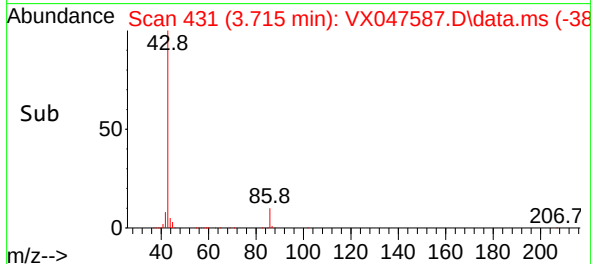
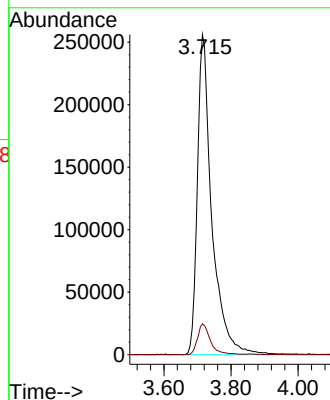
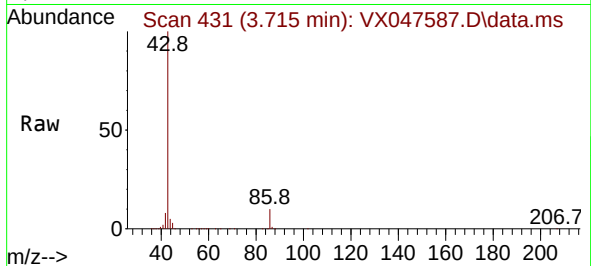




#23
 Vinyl Acetate
 Concen: 106.218 ug/l
 RT: 3.715 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX047587.D
 Acq: 16 Sep 2025 10:37

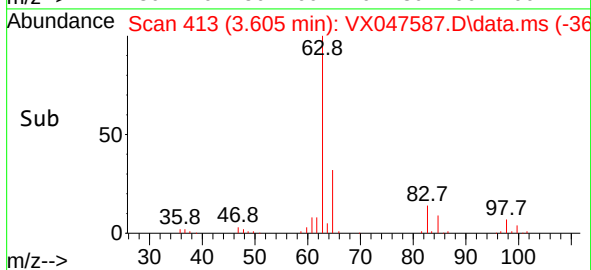
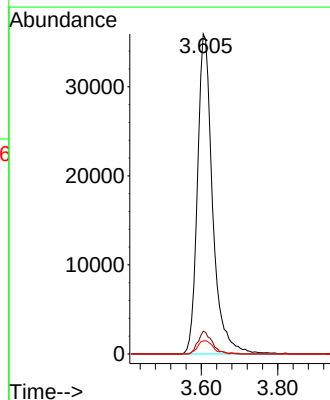
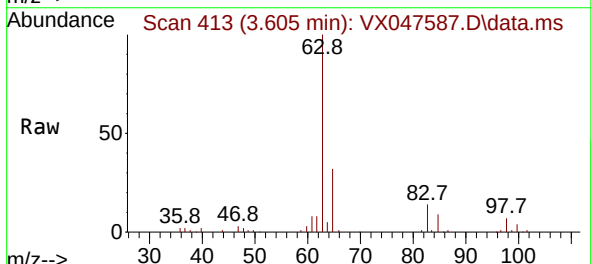
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

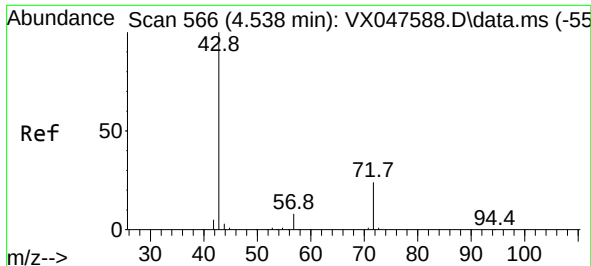
Tgt Ion: 43 Resp: 765675
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 20.578 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX047587.D
 Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 98509
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.8 11.2
 100 4.1 2.3 6.9

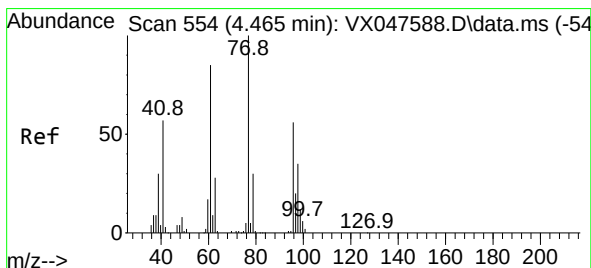
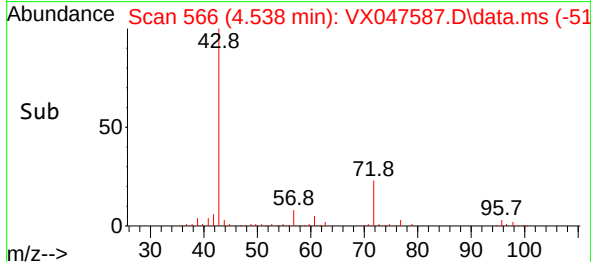
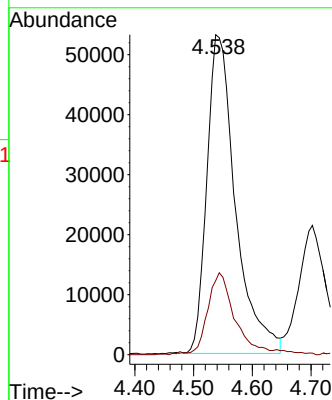
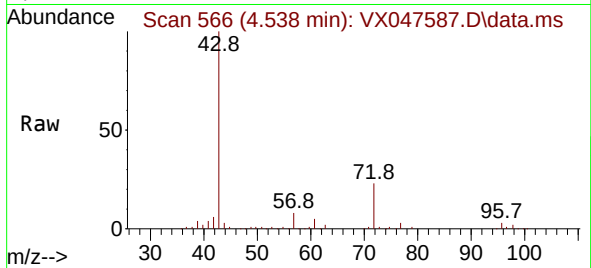




#25
2-Butanone
Concen: 109.679 ug/l
RT: 4.538 min Scan# 501
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

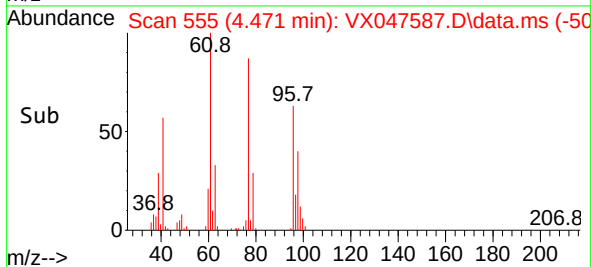
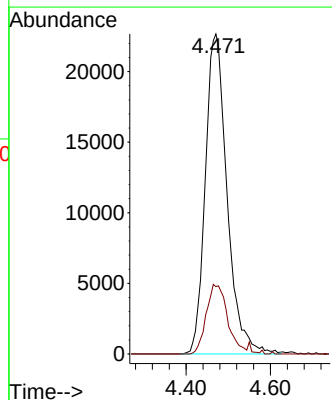
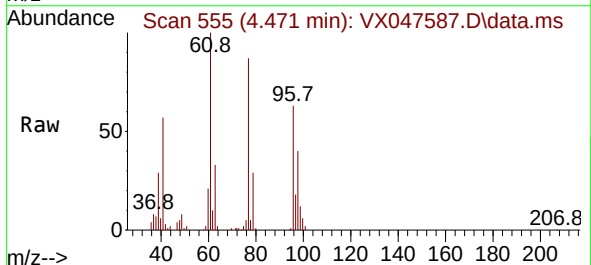
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

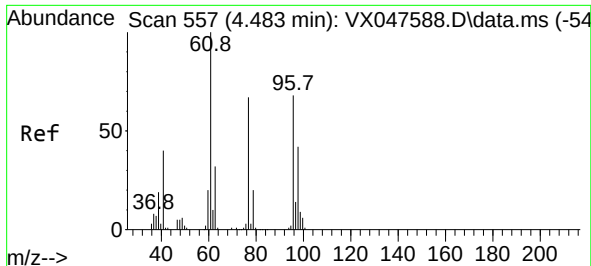
Tgt Ion: 43 Resp: 179487
Ion Ratio Lower Upper
43 100
72 22.3 20.1 30.1



#26
2,2-Dichloropropane
Concen: 20.459 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 77 Resp: 81413
Ion Ratio Lower Upper
77 100
97 21.2 10.9 32.7

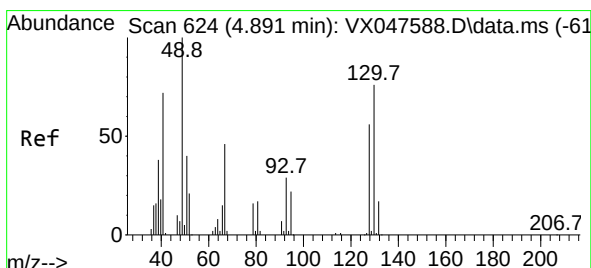
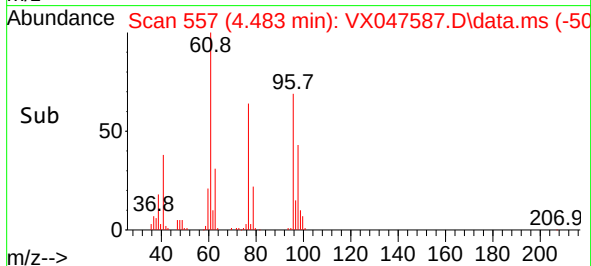
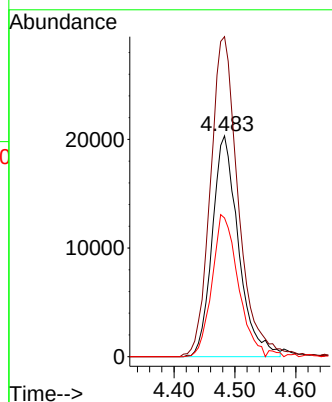
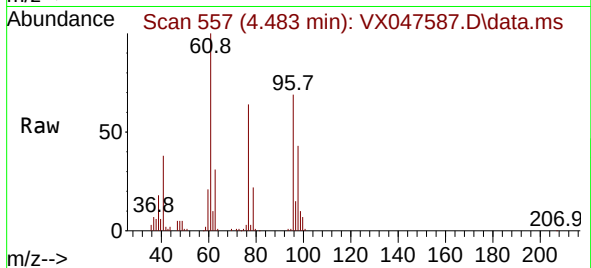




#27
 cis-1,2-Dichloroethene
 Concen: 20.497 ug/l
 RT: 4.483 min Scan# 557
 Delta R.T. -0.000 min
 Lab File: VX047587.D
 Acq: 16 Sep 2025 10:37

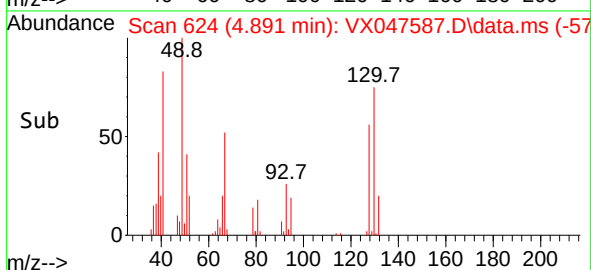
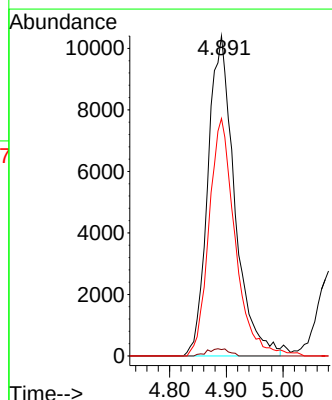
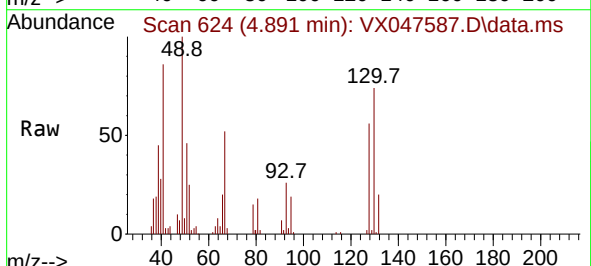
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

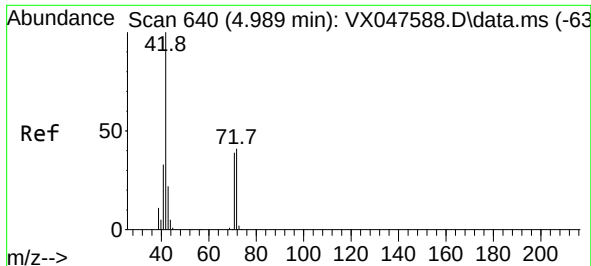
Tgt Ion:	96	Resp:	60865
Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	303.2
98	63.7	0.0	127.8



#28
 Bromochloromethane
 Concen: 16.309 ug/l
 RT: 4.891 min Scan# 624
 Delta R.T. -0.000 min
 Lab File: VX047587.D
 Acq: 16 Sep 2025 10:37

Tgt Ion:	49	Resp:	34085
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	72.7	57.8	86.8





#29

Tetrahydrofuran

Concen: 104.560 ug/l

RT: 4.995 min Scan# 641

Delta R.T. 0.006 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

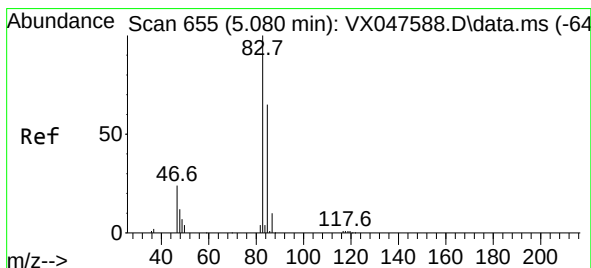
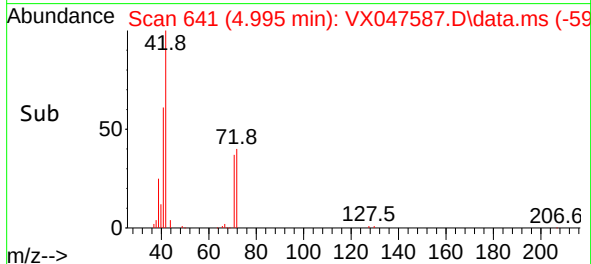
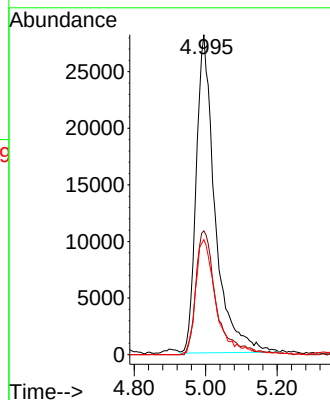
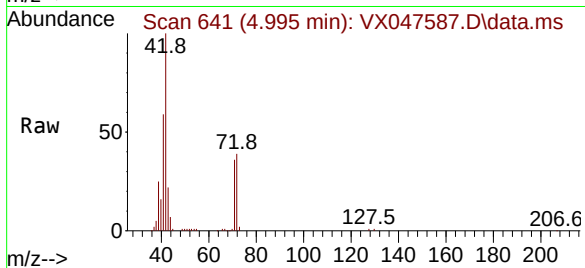
Tgt Ion: 42 Resp: 102935

Ion Ratio Lower Upper

42 100

72 41.5 34.2 51.2

71 37.8 31.9 47.9



#30

Chloroform

Concen: 21.413 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX047587.D

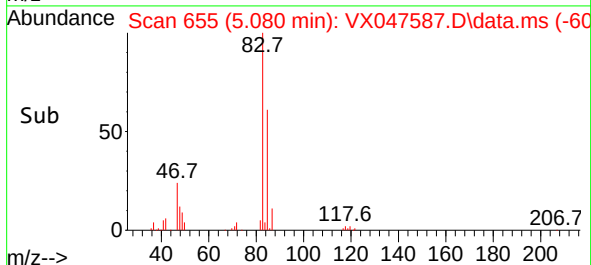
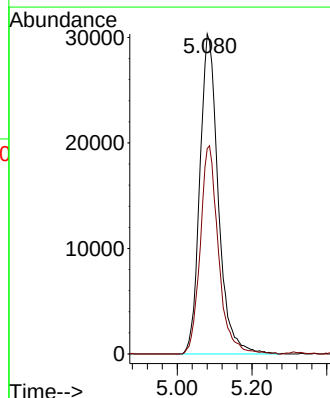
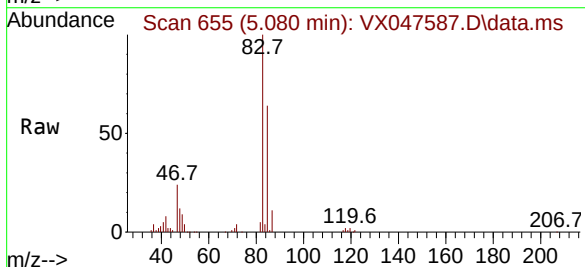
Acq: 16 Sep 2025 10:37

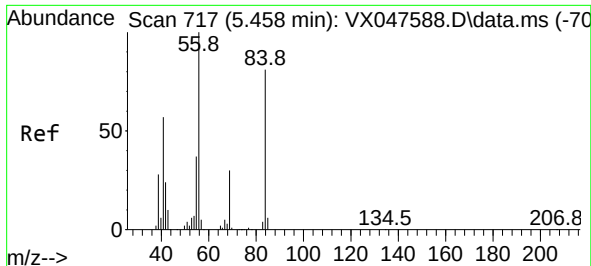
Tgt Ion: 83 Resp: 103586

Ion Ratio Lower Upper

83 100

85 64.2 51.8 77.6

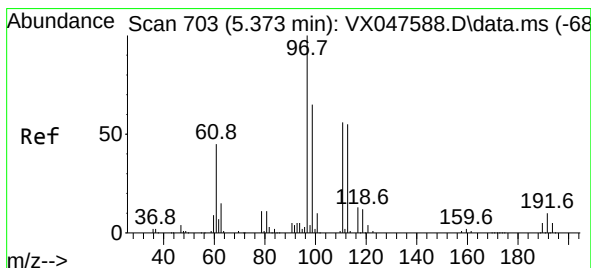
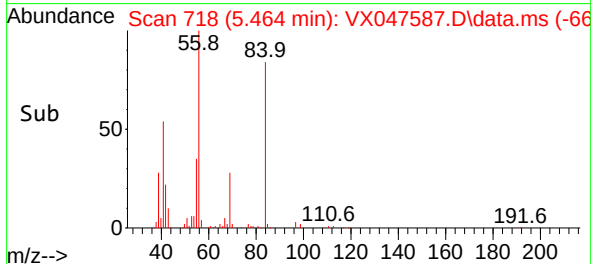
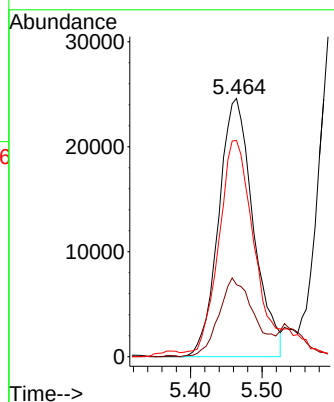
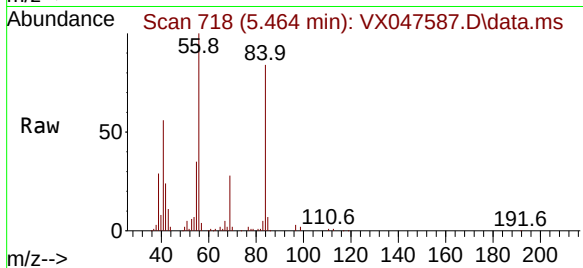




#31
Cyclohexane
Concen: 20.759 ug/l
RT: 5.464 min Scan# 717
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

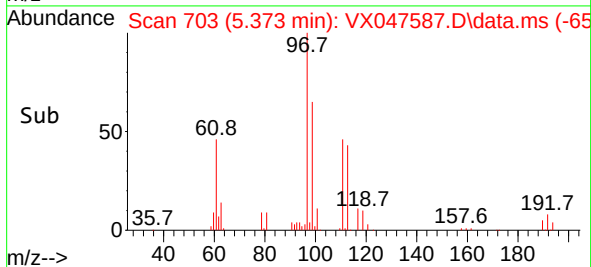
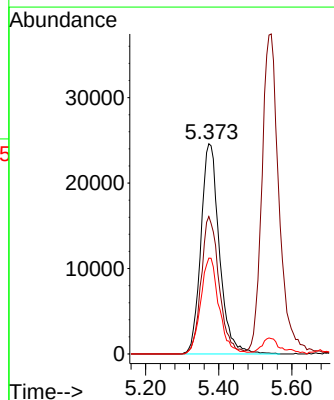
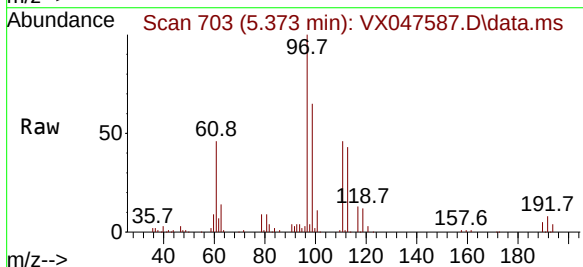
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

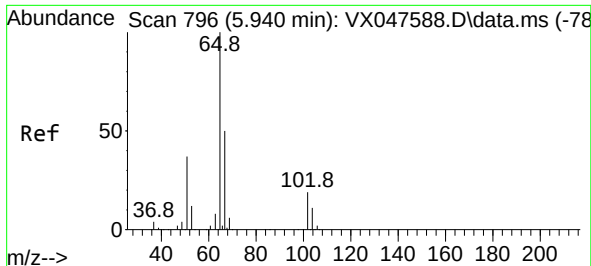
Tgt Ion: 56 Resp: 82770
Ion Ratio Lower Upper
56 100
69 27.9 23.8 35.8
84 82.2 64.6 97.0



#32
1,1,1-Trichloroethane
Concen: 21.081 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 97 Resp: 86500
Ion Ratio Lower Upper
97 100
99 63.5 50.6 76.0
61 45.5 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 16.264 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

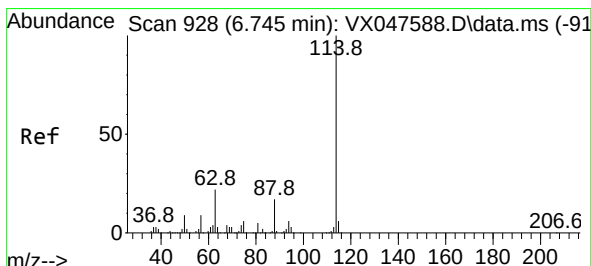
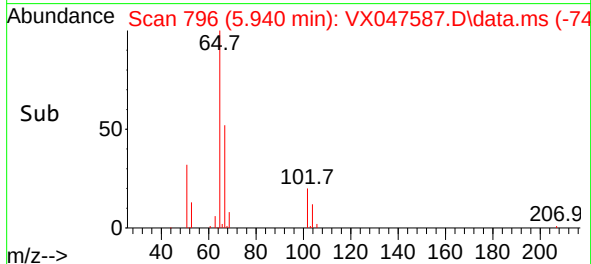
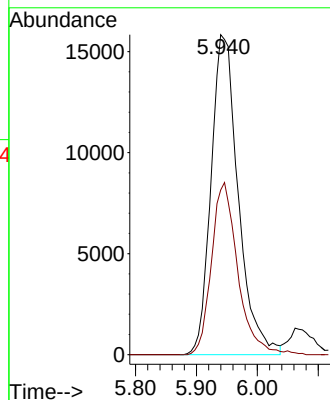
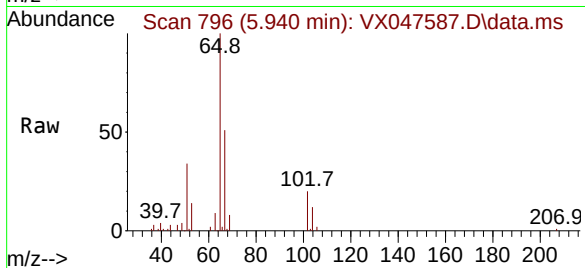
VSTDIC020

Tgt Ion: 65 Resp: 49073

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

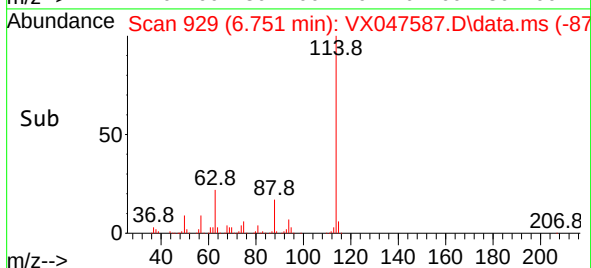
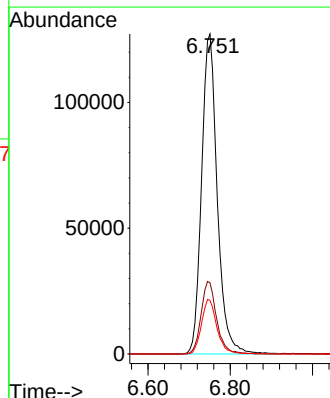
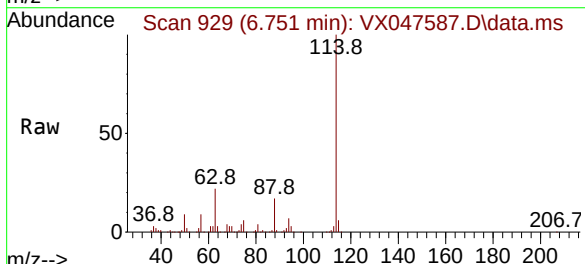
Tgt Ion: 114 Resp: 336287

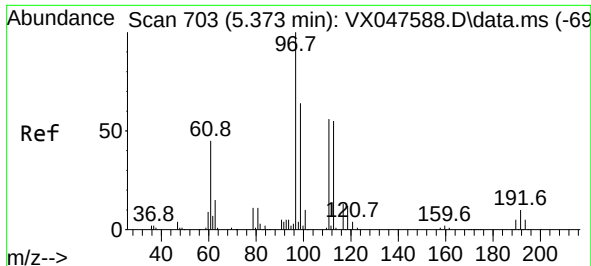
Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.0

88 16.8 0.0 34.2

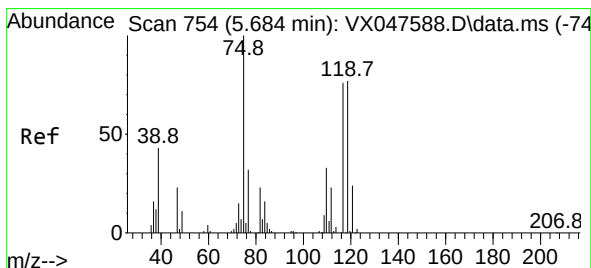
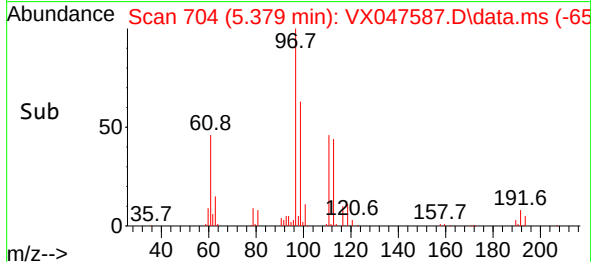
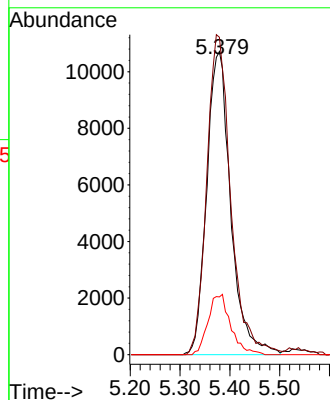
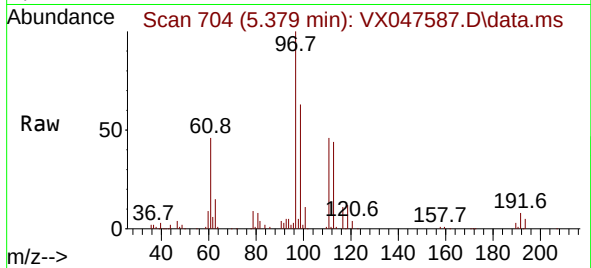




#35
Dibromofluoromethane
Concen: 15.868 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

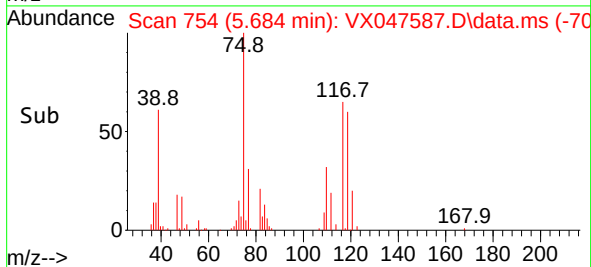
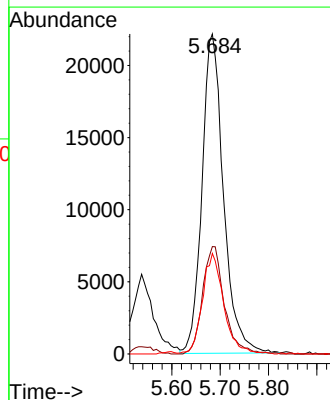
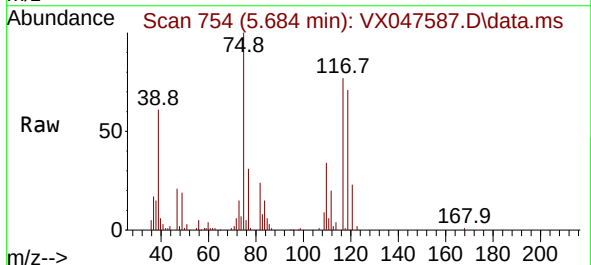
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

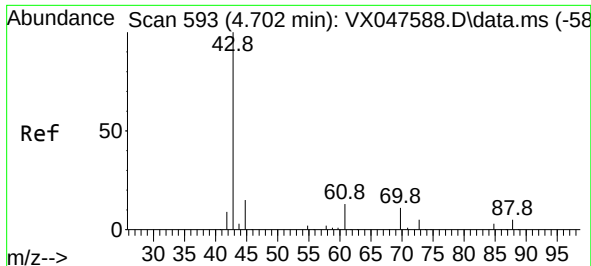
Tgt Ion:113 Resp: 35788
Ion Ratio Lower Upper
113 100
111 105.7 80.9 121.3
192 18.8 14.2 21.4



#36
1,1-Dichloropropene
Concen: 20.754 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 68395
Ion Ratio Lower Upper
75 100
110 33.9 16.7 50.1
77 31.2 24.3 36.5

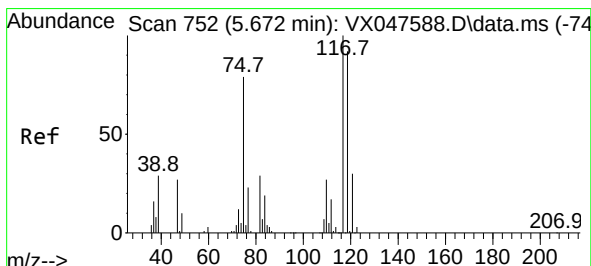
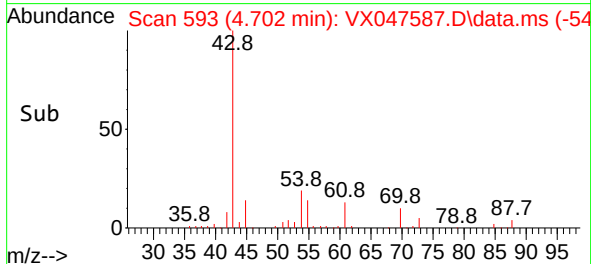
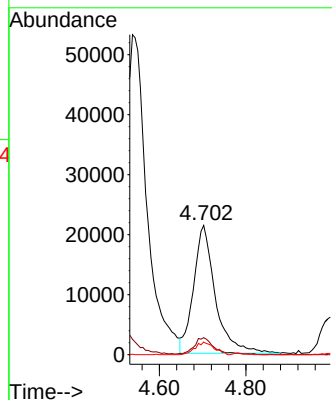
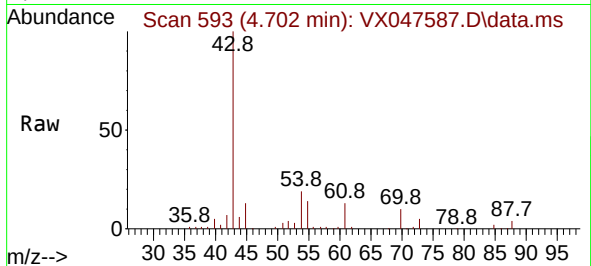




#37
Ethyl Acetate
Concen: 21.113 ug/l
RT: 4.702 min Scan# 593
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

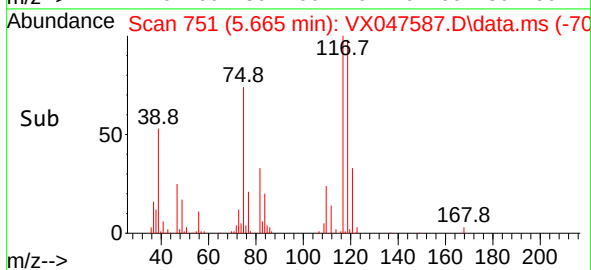
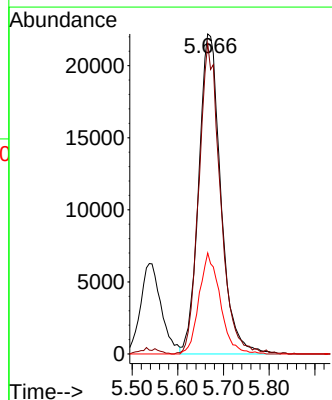
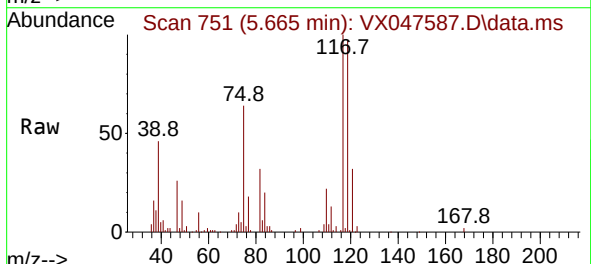
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

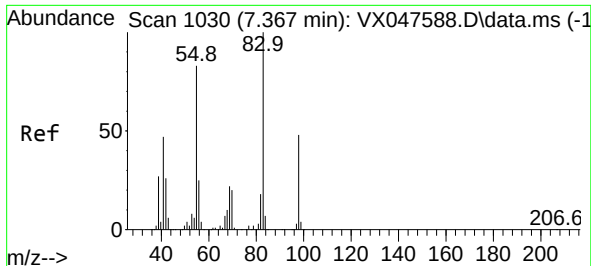
Tgt Ion:	43	Resp:	74499
Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	8.5	7.9	11.9



#38
Carbon Tetrachloride
Concen: 20.844 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:	117	Resp:	74636
Ion	Ratio	Lower	Upper
117	100		
119	96.9	73.4	110.2
121	31.6	23.8	35.6

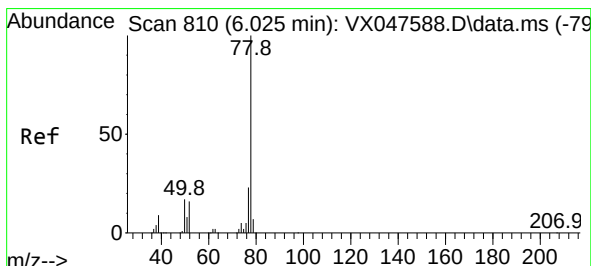
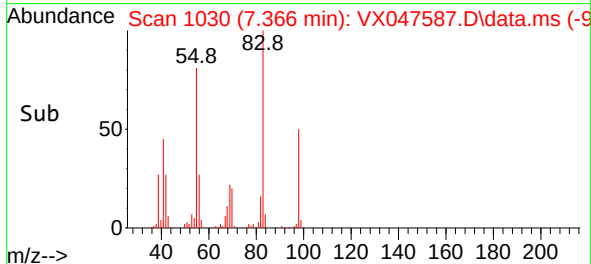
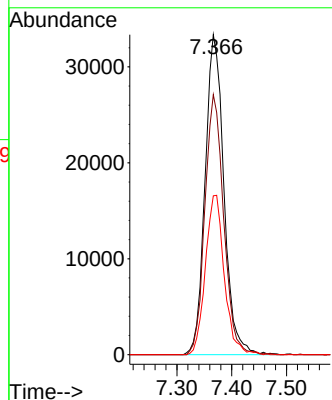
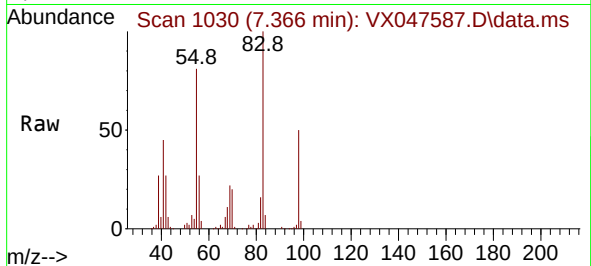




#39
Methylcyclohexane
Concen: 21.251 ug/l
RT: 7.366 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

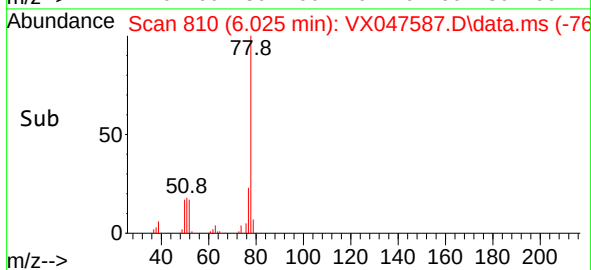
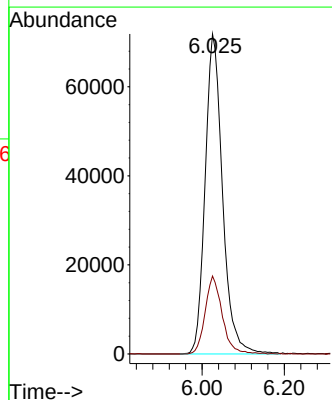
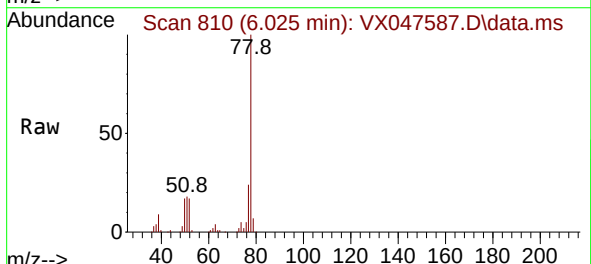
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

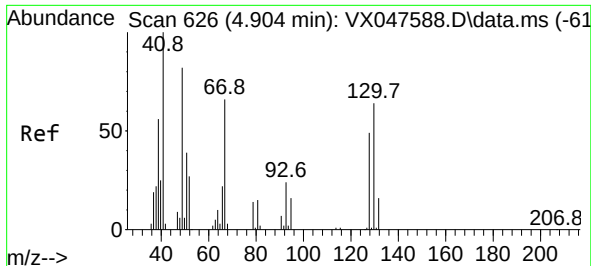
Tgt Ion:	83	Resp:	79499
Ion	Ratio	Lower	Upper
83	100		
55	81.2	66.4	99.6
98	49.6	38.1	57.1



#40
Benzene
Concen: 21.051 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:	78	Resp:	210711
Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2

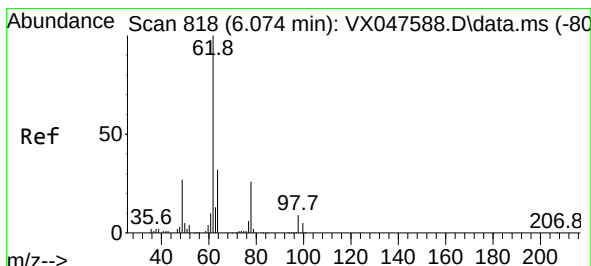
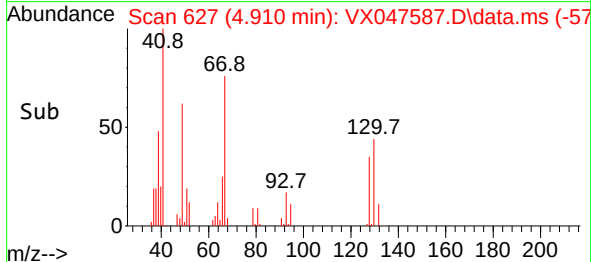
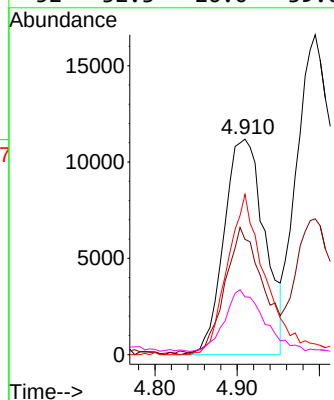
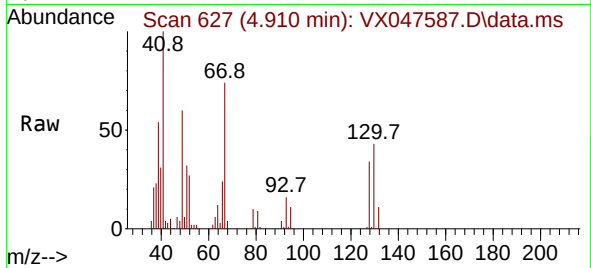




#41
Methacrylonitrile
Concen: 21.148 ug/l
RT: 4.910 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

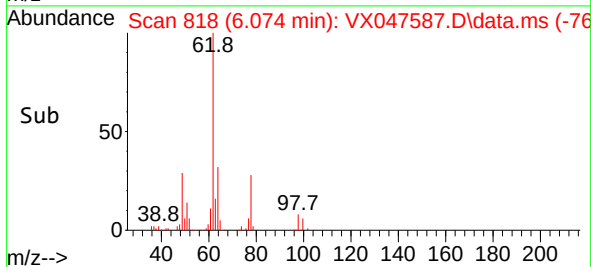
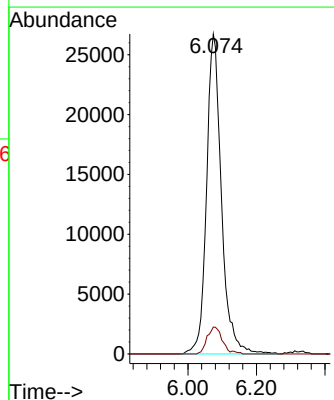
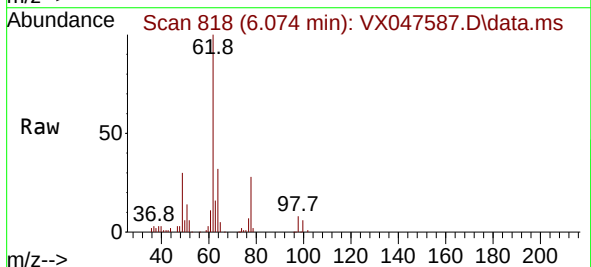
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

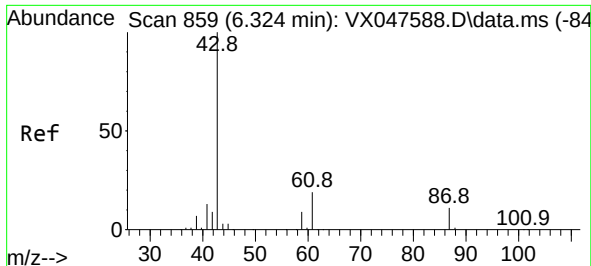
Tgt Ion:	41	Resp:	38525
Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.3	64.9
67	72.5	58.6	87.8
52	32.3	26.0	39.0



#42
1,2-Dichloroethane
Concen: 21.175 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:	62	Resp:	80646
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

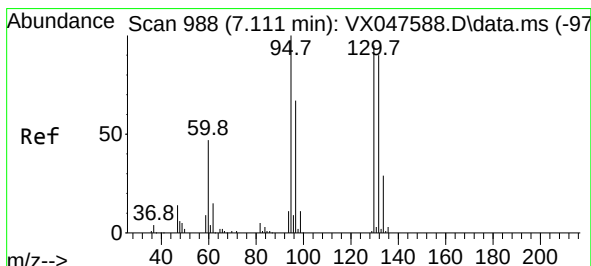
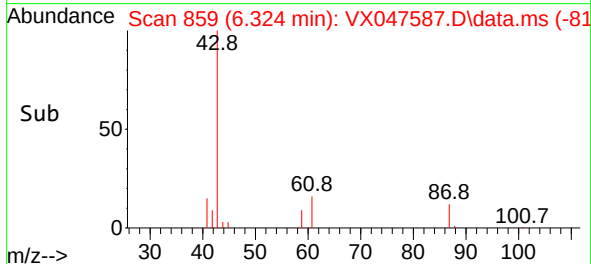
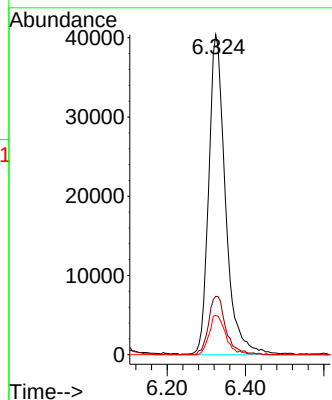
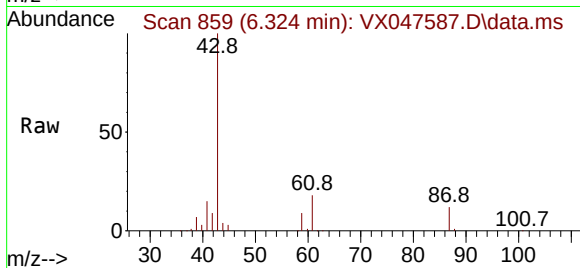




#43
Isopropyl Acetate
Concen: 20.670 ug/l
RT: 6.324 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

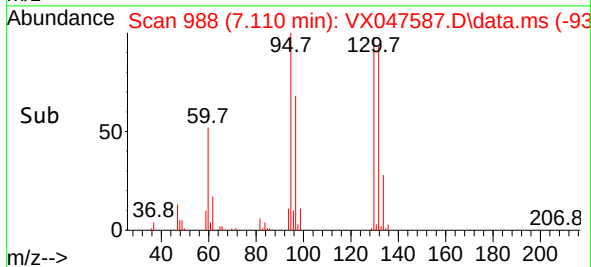
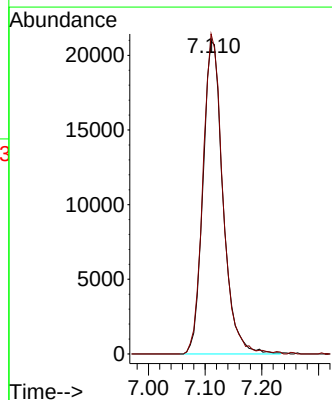
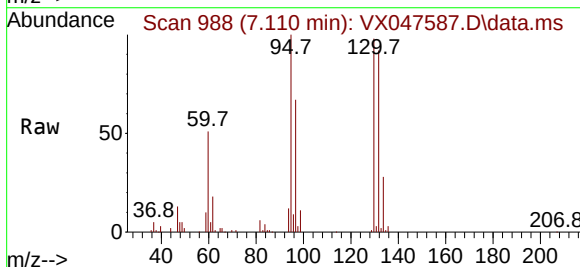
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

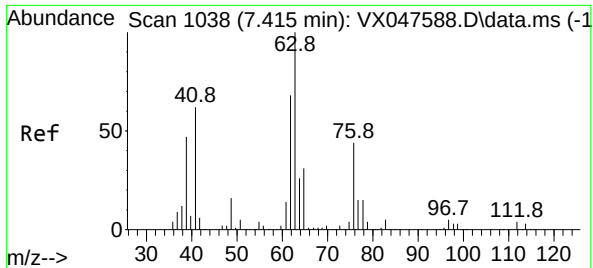
Tgt Ion: 43 Resp: 119623
Ion Ratio Lower Upper
43 100
61 18.9 15.2 22.8
87 12.1 9.6 14.4



#44
Trichloroethene
Concen: 21.228 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:130 Resp: 51369
Ion Ratio Lower Upper
130 100
95 102.3 0.0 210.8

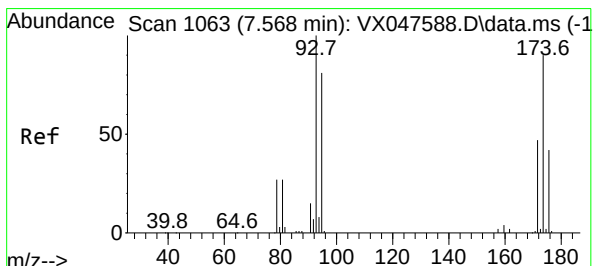
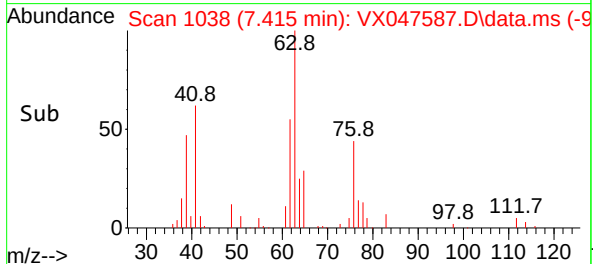
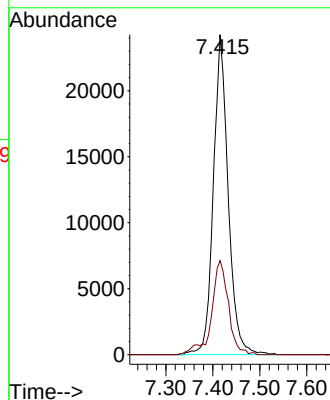
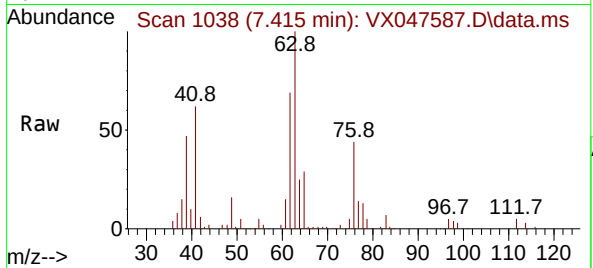




#45
1,2-Dichloropropane
Concen: 20.697 ug/l
RT: 7.415 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

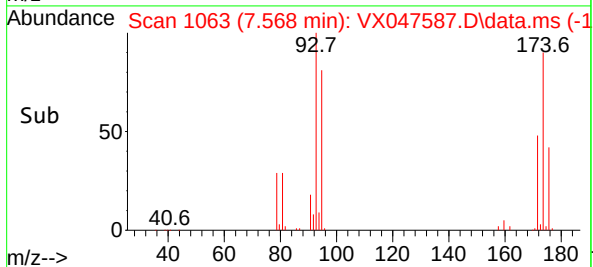
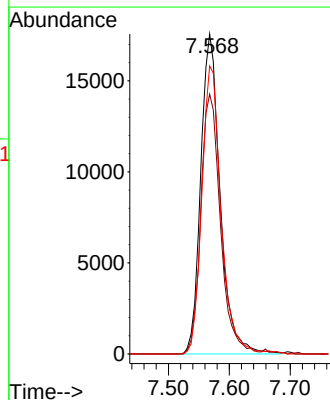
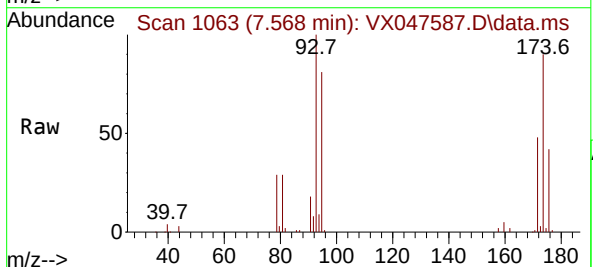
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

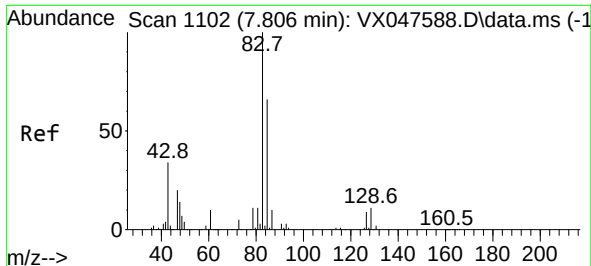
Tgt Ion: 63 Resp: 53046
Ion Ratio Lower Upper
63 100
65 29.4 24.7 37.1



#46
Dibromomethane
Concen: 20.862 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 93 Resp: 38910
Ion Ratio Lower Upper
93 100
95 82.0 65.0 97.6
174 89.2 71.6 107.4

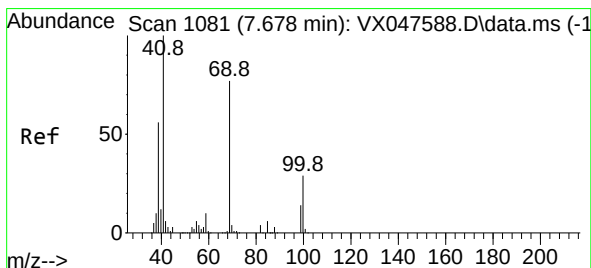
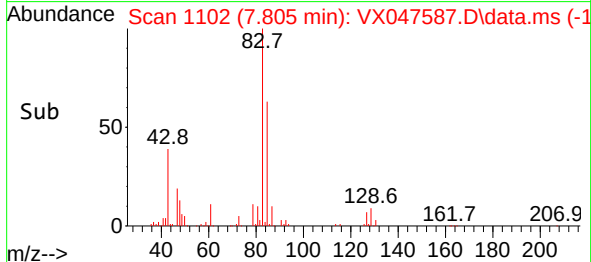
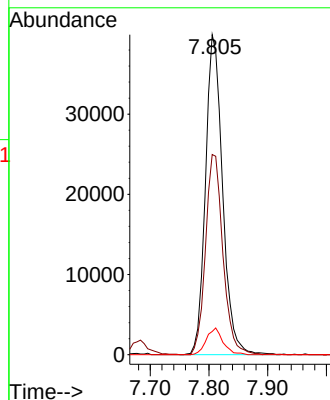
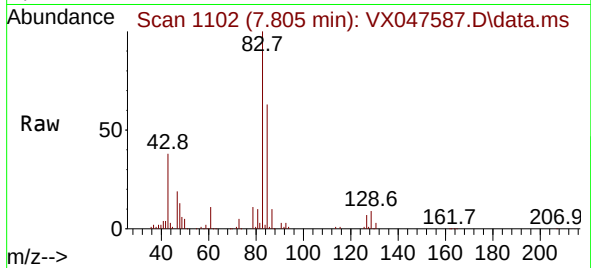




#47
Bromodichloromethane
Concen: 21.002 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

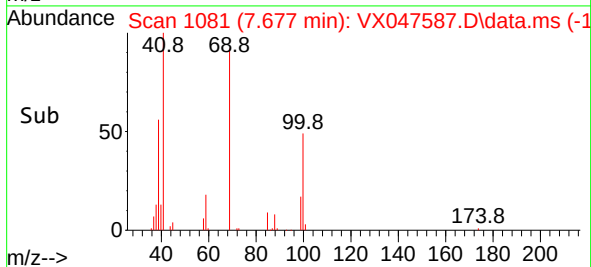
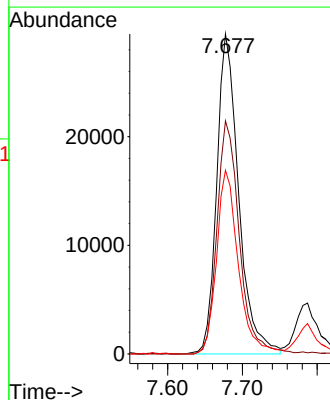
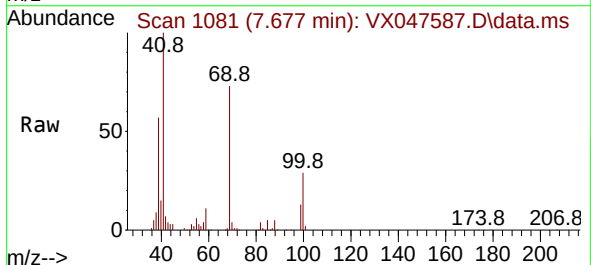
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

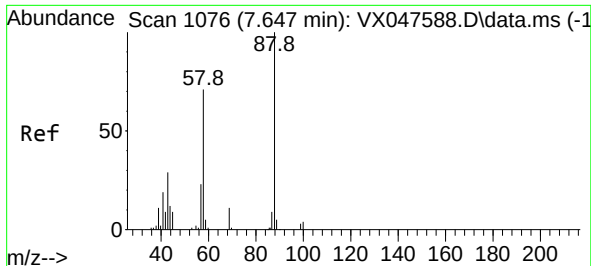
Tgt Ion: 83 Resp: 80831
Ion Ratio Lower Upper
83 100
85 63.5 52.5 78.7
127 8.2 6.9 10.3



#48
Methyl methacrylate
Concen: 20.877 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 60182
Ion Ratio Lower Upper
41 100
69 74.2 61.4 92.2
39 57.2 45.8 68.6





#49

1,4-Dioxane

Concen: 413.530 ug/l

RT: 7.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

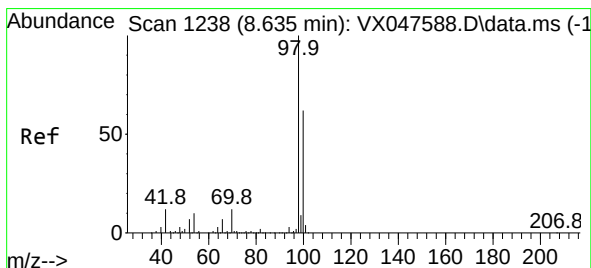
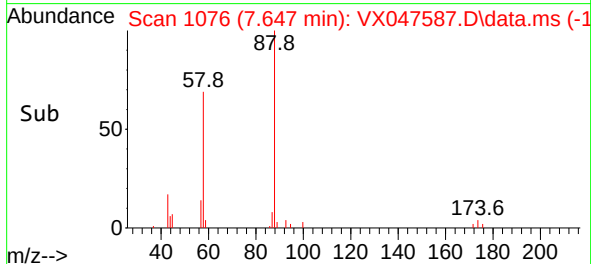
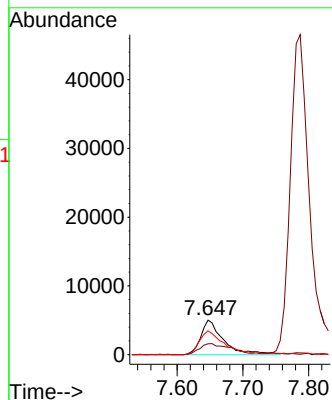
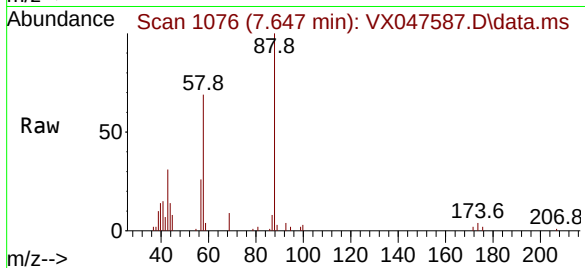
Tgt Ion: 88 Resp: 12047

Ion Ratio Lower Upper

88 100

43 44.7 30.2 45.2

58 75.8 59.5 89.3



#50

Toluene-d8

Concen: 16.258 ug/l

RT: 8.634 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047587.D

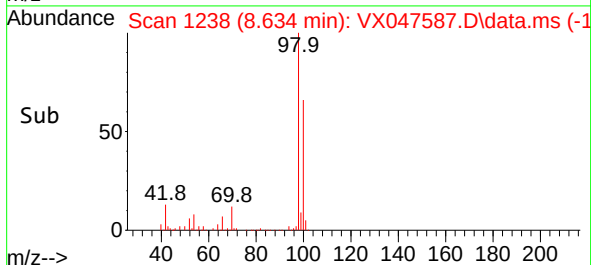
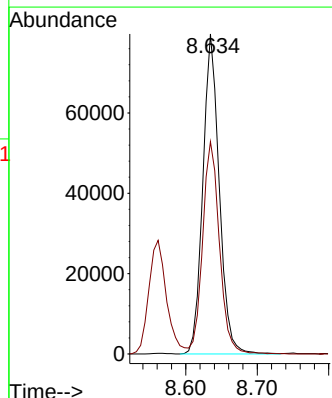
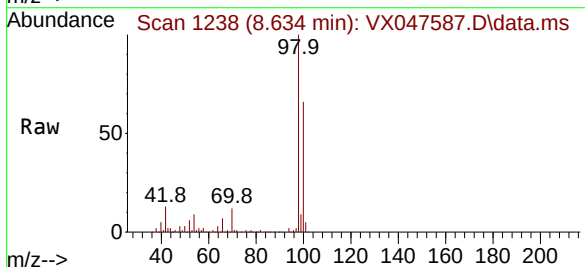
Acq: 16 Sep 2025 10:37

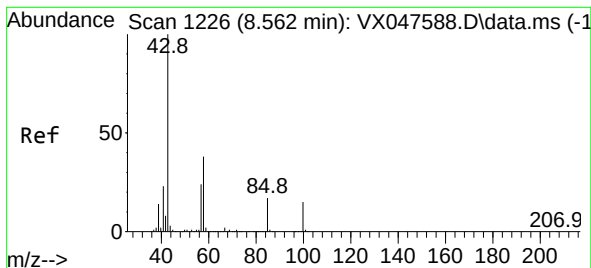
Tgt Ion: 98 Resp: 126875

Ion Ratio Lower Upper

98 100

100 67.9 53.0 79.4

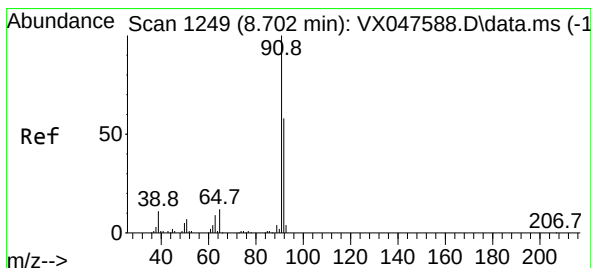
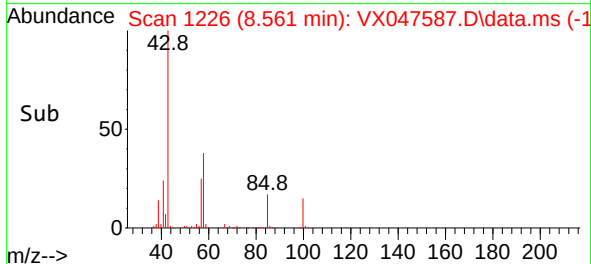
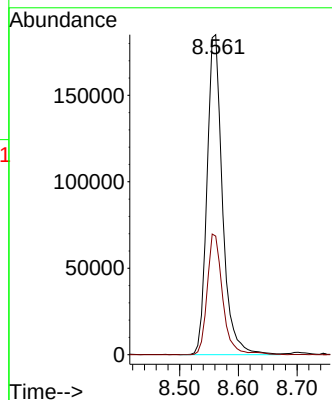
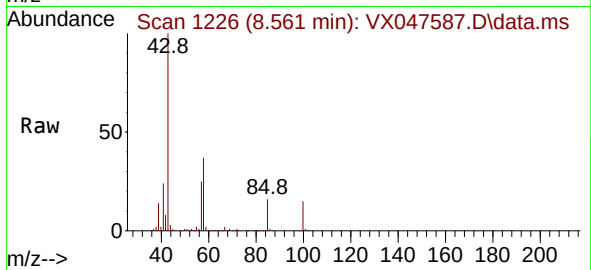




#51
4-Methyl-2-Pentanone
Concen: 105.456 ug/l
RT: 8.561 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

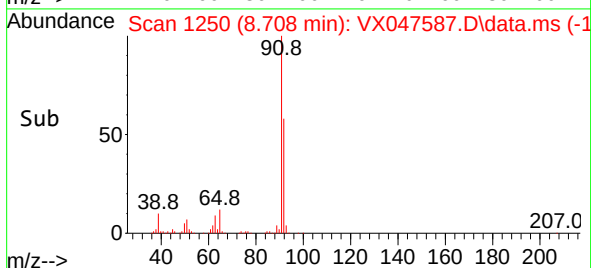
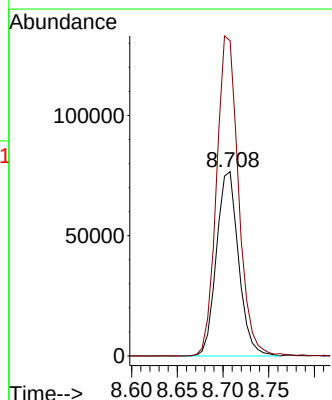
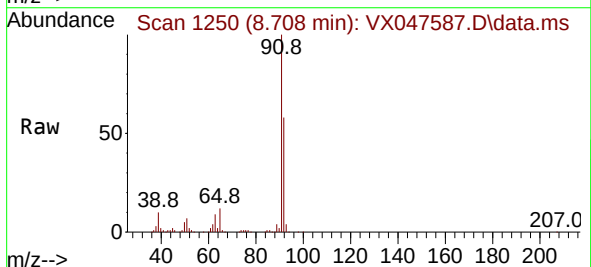
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

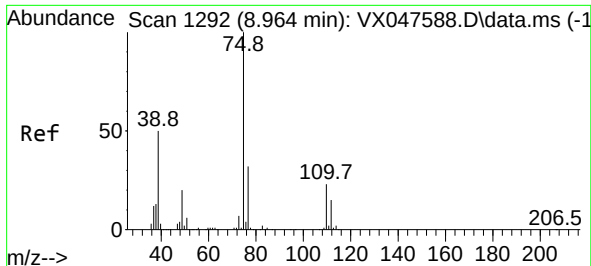
Tgt Ion: 43 Resp: 338370
Ion Ratio Lower Upper
43 100
58 37.8 30.3 45.5



#52
Toluene
Concen: 20.950 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 92 Resp: 129193
Ion Ratio Lower Upper
92 100
91 173.2 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 20.625 ug/l

RT: 8.964 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

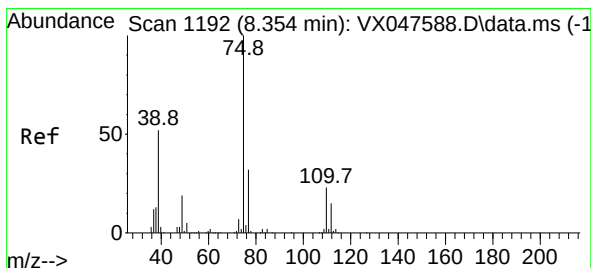
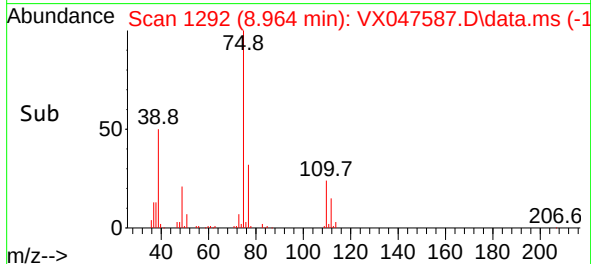
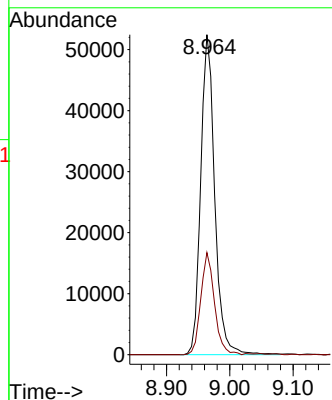
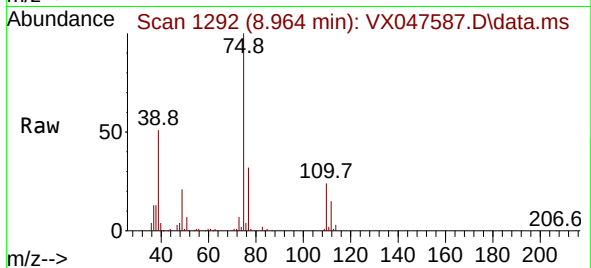
VSTDICC020

Tgt Ion: 75 Resp: 80972

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.650 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

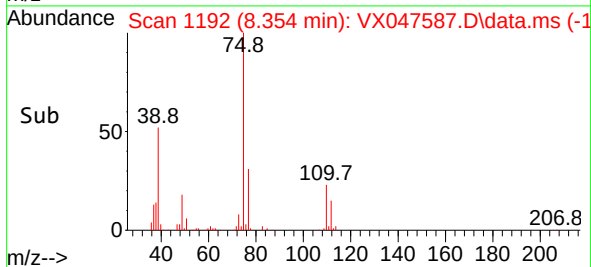
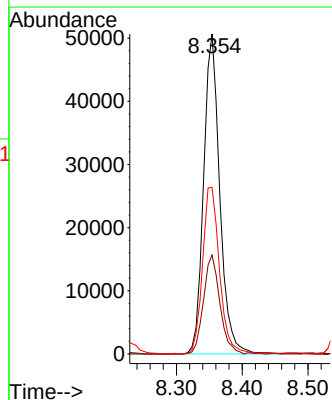
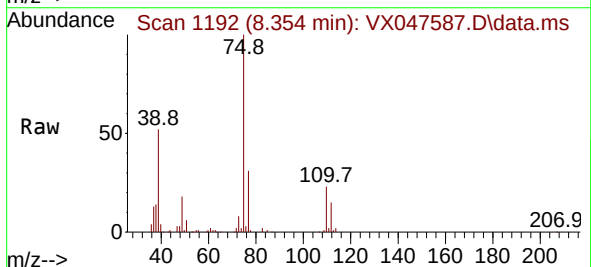
Tgt Ion: 75 Resp: 86648

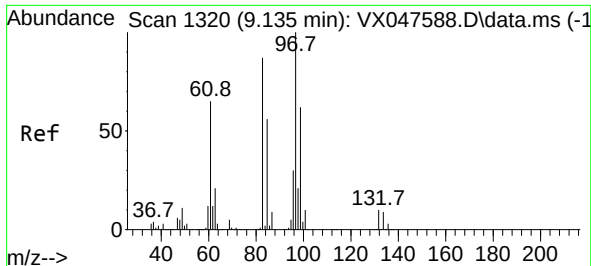
Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.6

39 52.0 41.4 62.2

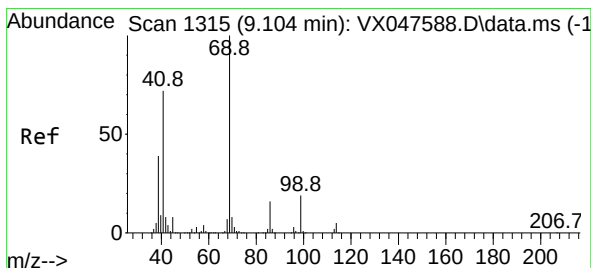
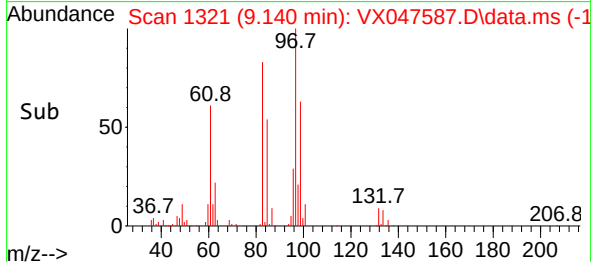
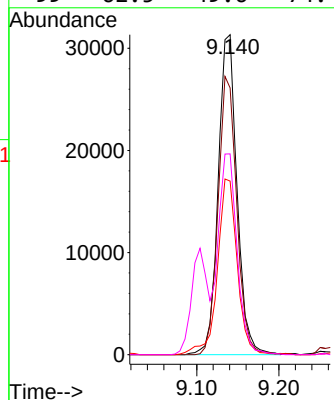
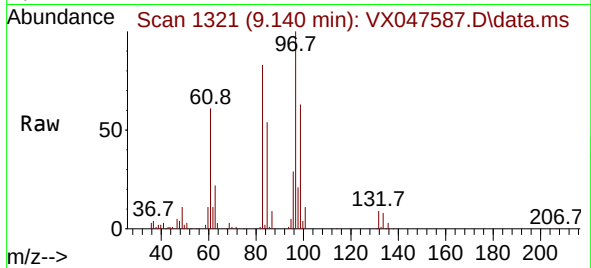




#55
1,1,2-Trichloroethane
Concen: 20.967 ug/l
RT: 9.140 min Scan# 1320
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

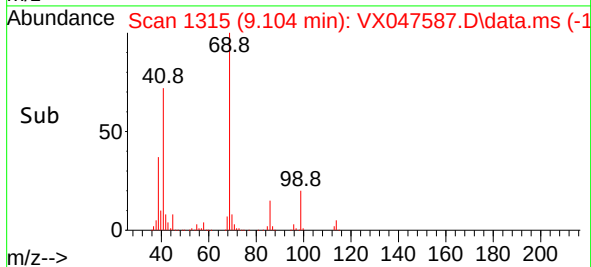
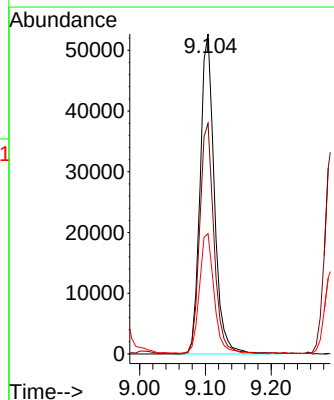
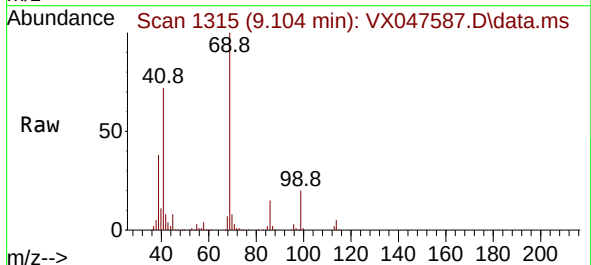
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

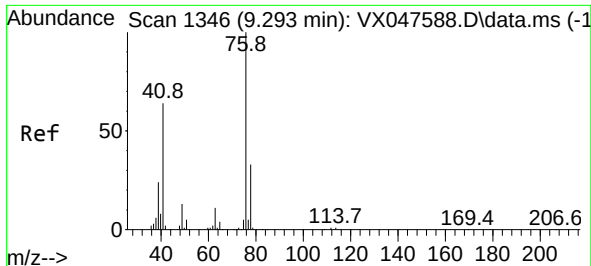
Tgt Ion: 97	Resp: 49857
Ion Ratio	Lower Upper
97 100	
83 83.3	69.6 104.4
85 55.2	45.0 67.6
99 62.5	49.6 74.4



#56
Ethyl methacrylate
Concen: 21.158 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 69	Resp: 79011
Ion Ratio	Lower Upper
69 100	
41 72.6	58.6 87.8
39 38.6	31.5 47.3

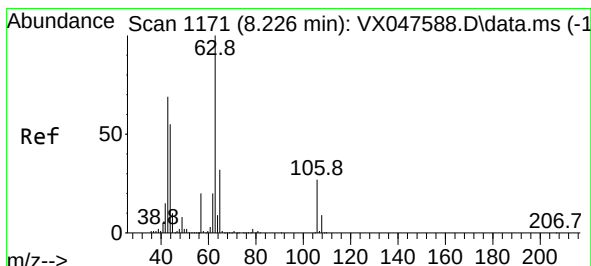
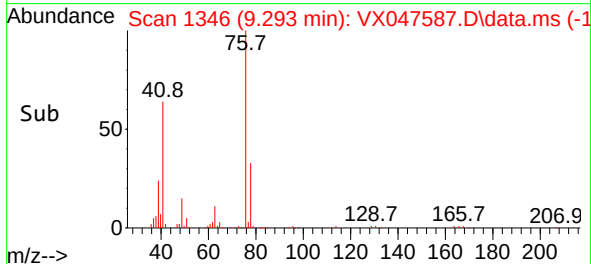
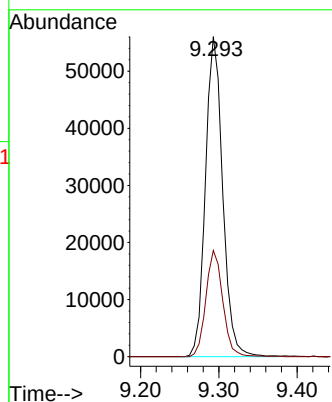
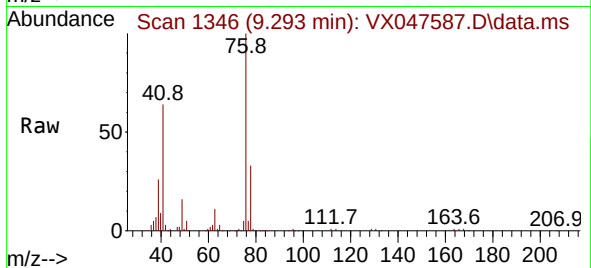




#57
1,3-Dichloropropane
Concen: 20.934 ug/l
RT: 9.293 min Scan# 11346
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

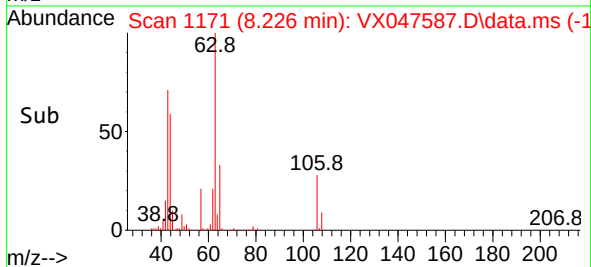
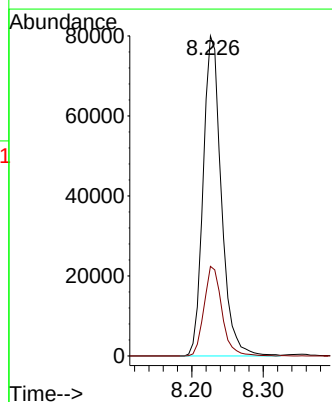
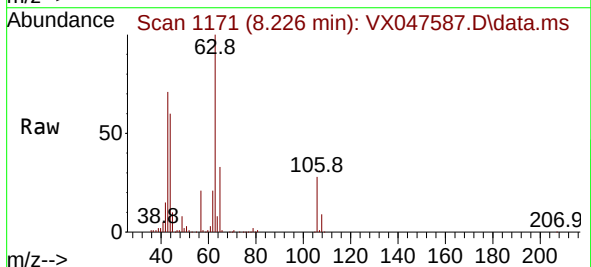
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

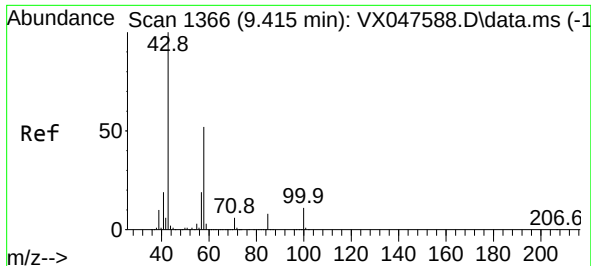
Tgt Ion: 76 Resp: 85511
Ion Ratio Lower Upper
76 100
78 32.6 26.2 39.4



#58
2-Chloroethyl Vinyl ether
Concen: 86.617 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 141395
Ion Ratio Lower Upper
63 100
106 27.5 21.9 32.9

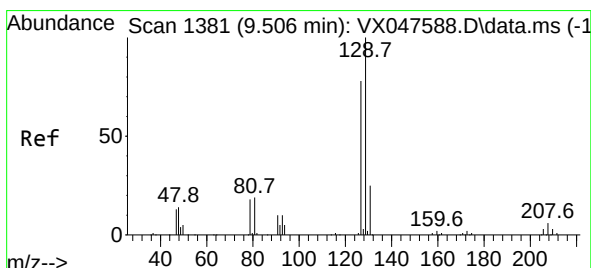
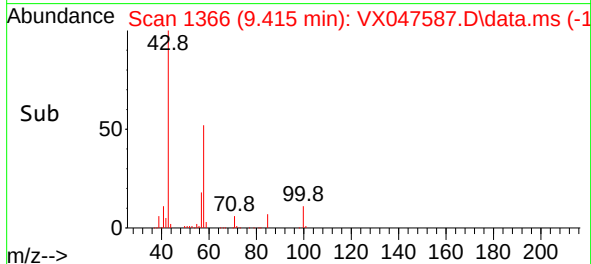
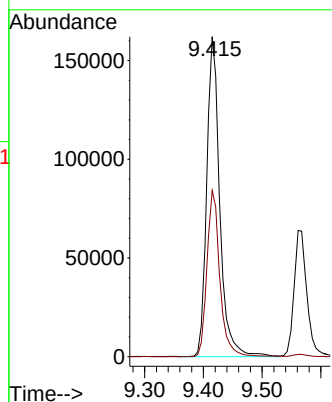
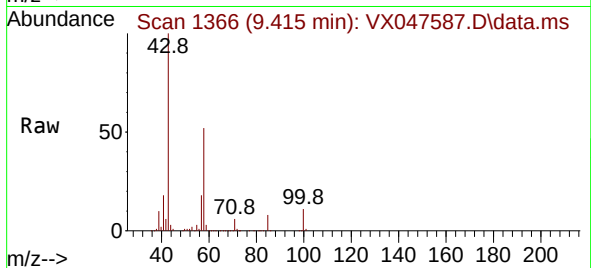




#59
2-Hexanone
Concen: 108.488 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

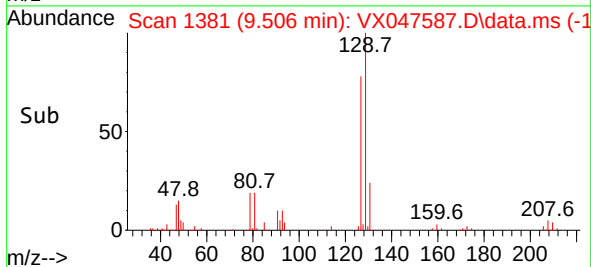
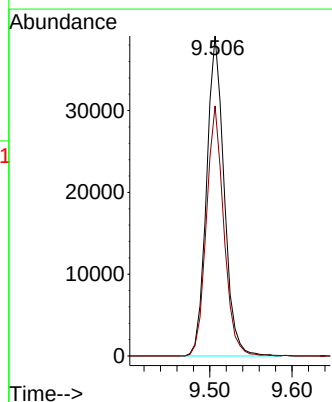
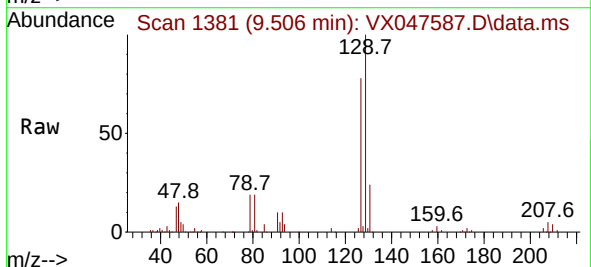
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

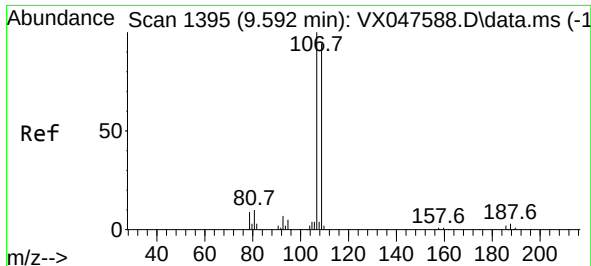
Tgt Ion: 43 Resp: 250007
Ion Ratio Lower Upper
43 100
58 51.4 26.1 78.2



#60
Dibromochloromethane
Concen: 21.167 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:129 Resp: 57994
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.2

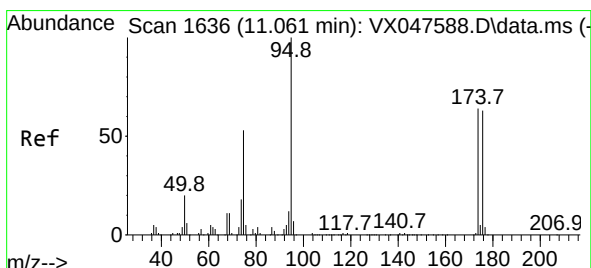
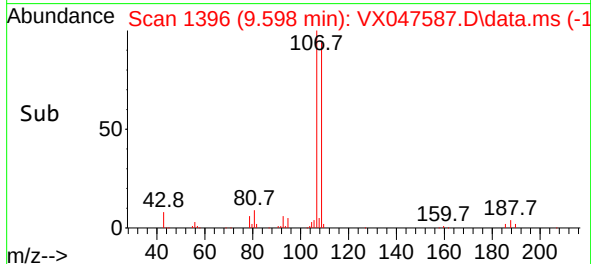
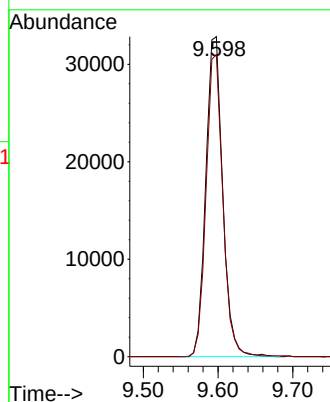
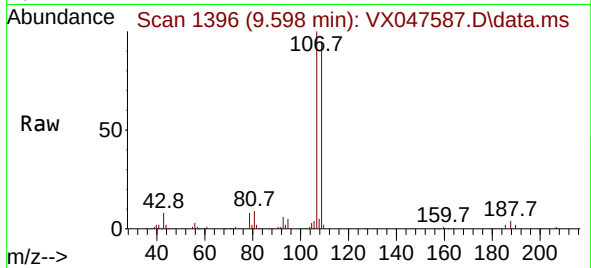




#61
1,2-Dibromoethane
Concen: 21.310 ug/l
RT: 9.598 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

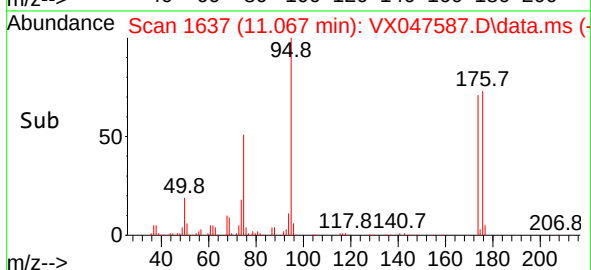
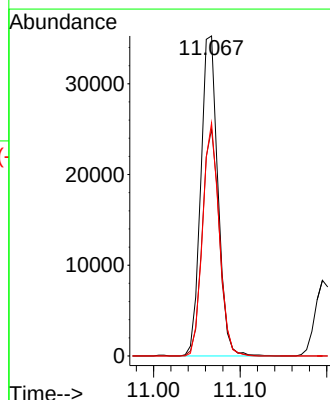
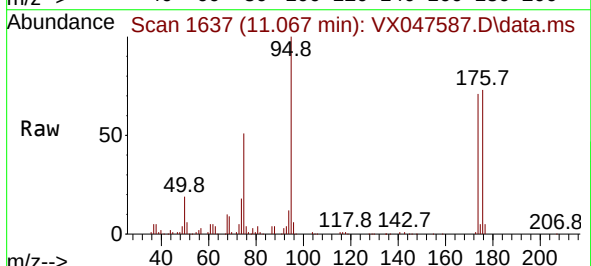
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

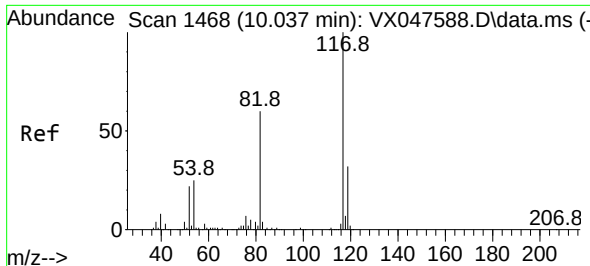
Tgt Ion:107 Resp: 51614
Ion Ratio Lower Upper
107 100
109 93.4 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 16.360 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 95 Resp: 48454
Ion Ratio Lower Upper
95 100
174 70.2 0.0 141.6
176 70.3 0.0 138.4

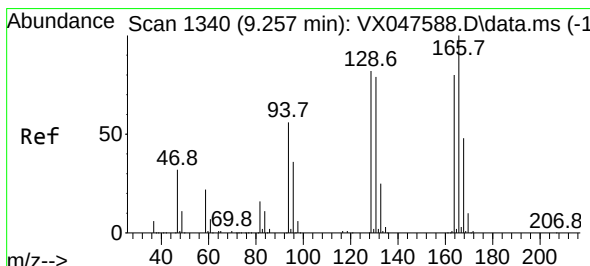
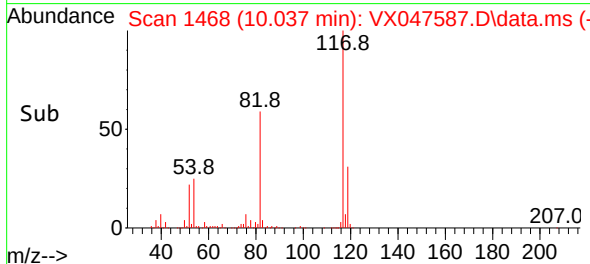
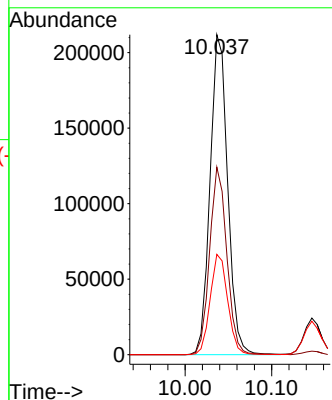
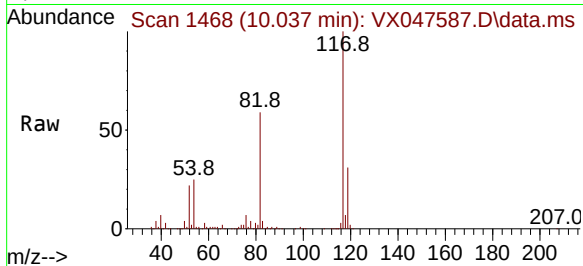




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

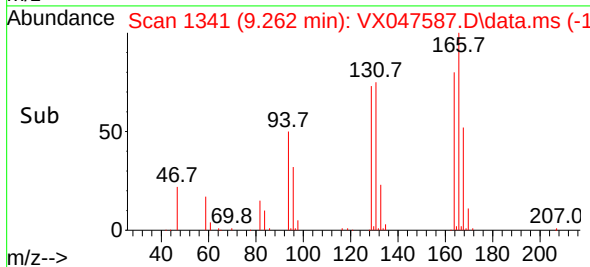
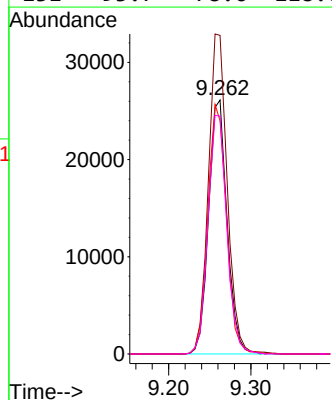
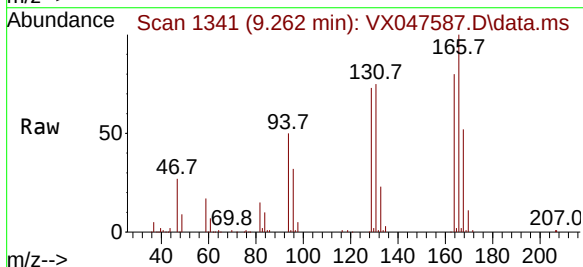
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

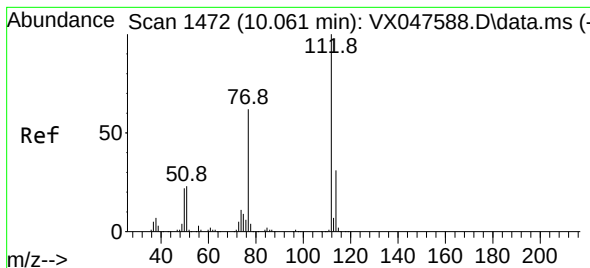
Tgt Ion:117 Resp: 298629
Ion Ratio Lower Upper
117 100
82 58.6 47.8 71.6
119 31.3 25.2 37.8



#64
Tetrachloroethene
Concen: 20.979 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:164 Resp: 40840
Ion Ratio Lower Upper
164 100
166 125.4 100.2 150.2
129 91.8 81.8 122.6
131 93.7 78.6 118.0





#65

Chlorobenzene

Concen: 20.731 ug/l

RT: 10.061 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

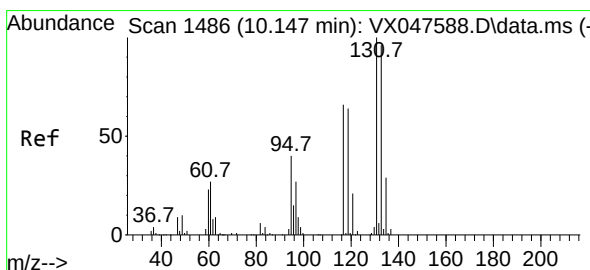
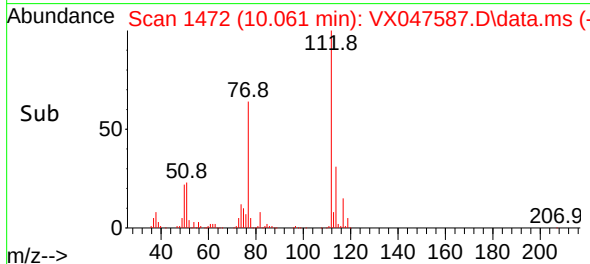
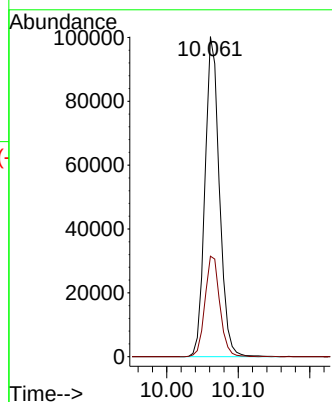
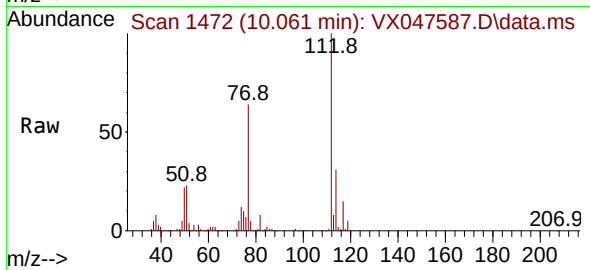
VSTDICC020

Tgt Ion:112 Resp: 140642

Ion Ratio Lower Upper

112 100

114 31.4 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 20.513 ug/l

RT: 10.146 min Scan# 1486

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

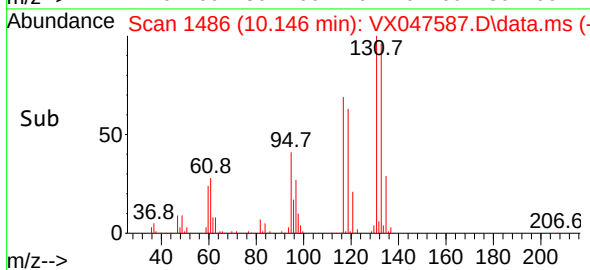
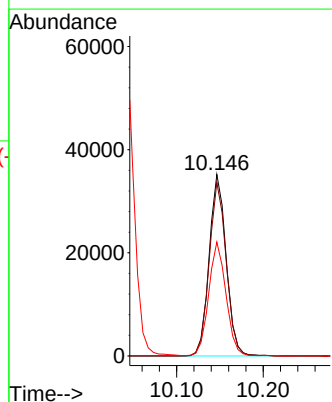
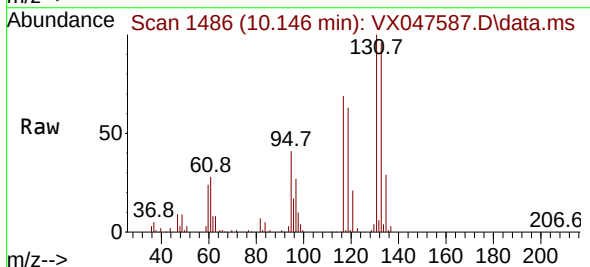
Tgt Ion:131 Resp: 48022

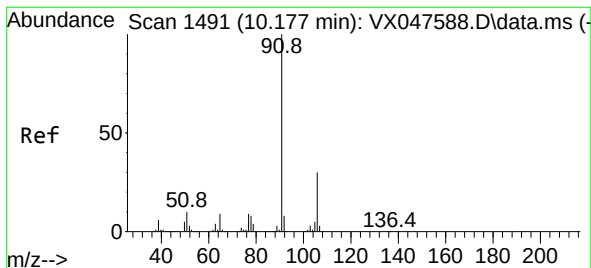
Ion Ratio Lower Upper

131 100

133 95.9 47.3 142.0

119 63.9 32.0 96.0

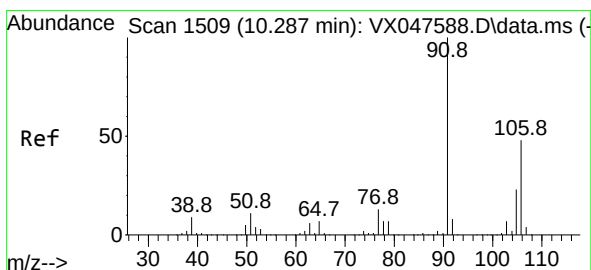
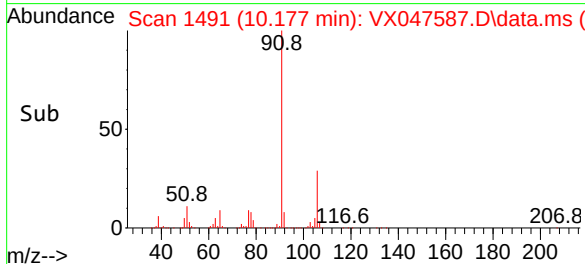
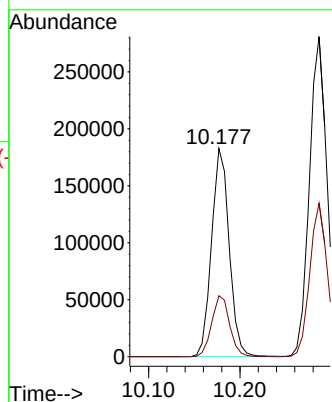
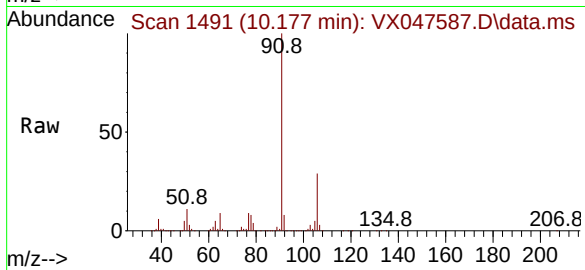




#67
Ethyl Benzene
Concen: 20.907 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

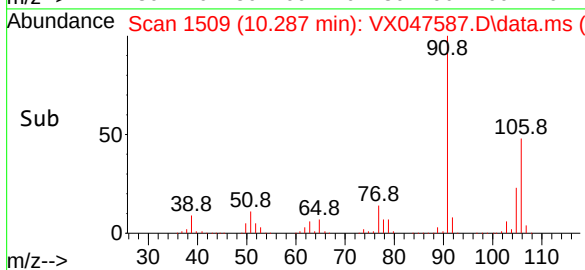
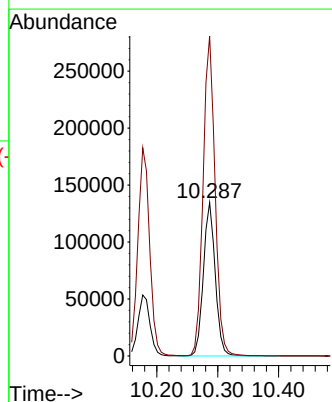
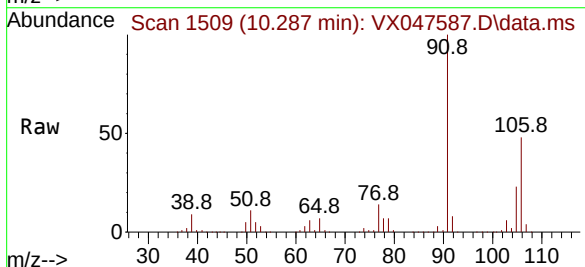
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

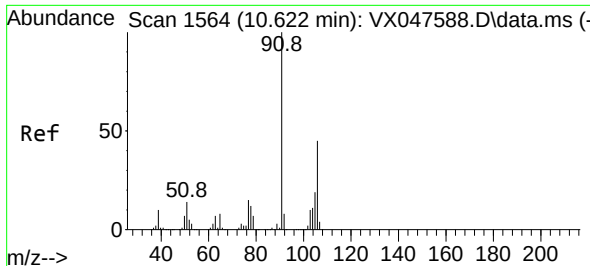
Tgt Ion: 91 Resp: 244737
Ion Ratio Lower Upper
91 100
106 29.3 24.3 36.5



#68
m/p-Xylenes
Concen: 41.951 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 106 Resp: 182778
Ion Ratio Lower Upper
106 100
91 210.2 167.8 251.8

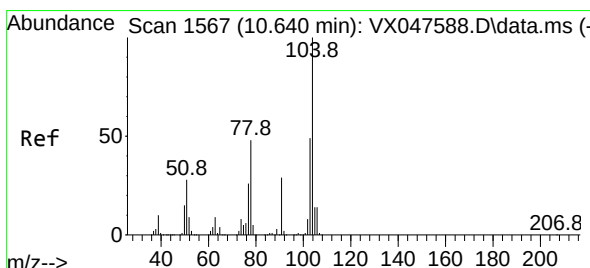
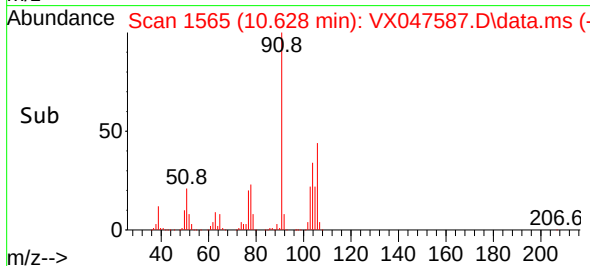
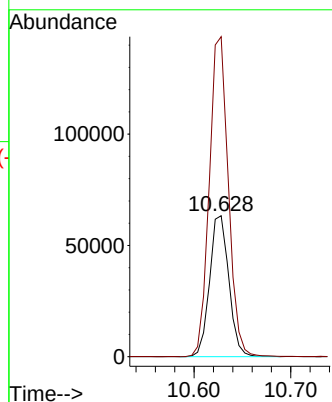
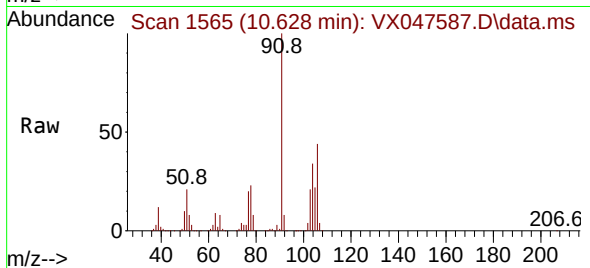




#69
o-Xylene
Concen: 20.799 ug/l
RT: 10.628 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

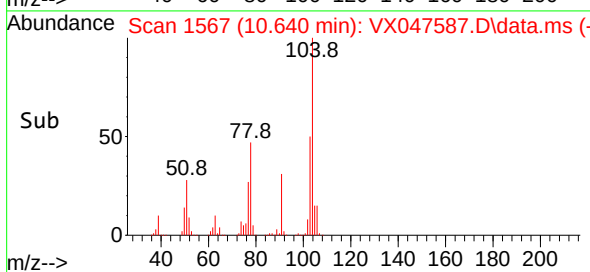
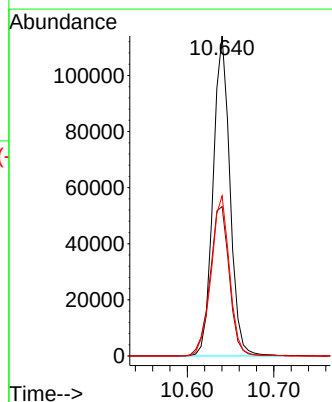
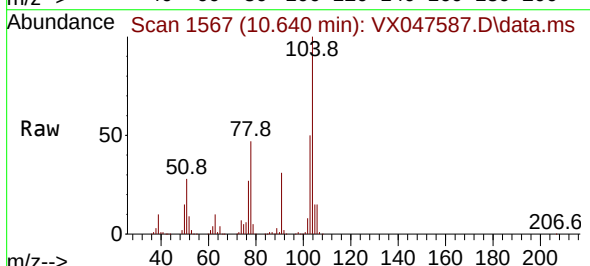
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

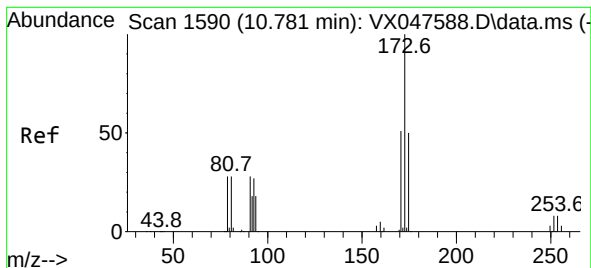
Tgt Ion:106 Resp: 87651
Ion Ratio Lower Upper
106 100
91 225.3 111.1 333.4



#70
Styrene
Concen: 20.866 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:104 Resp: 154077
Ion Ratio Lower Upper
104 100
78 53.6 43.1 64.7
103 54.4 43.1 64.7





#71

Bromoform

Concen: 20.550 ug/l

RT: 10.780 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

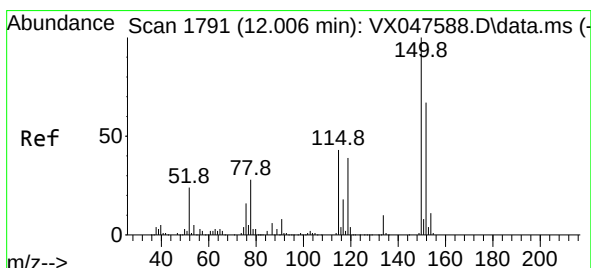
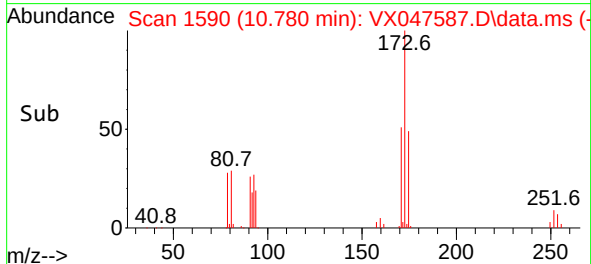
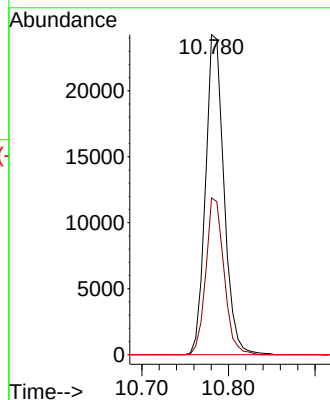
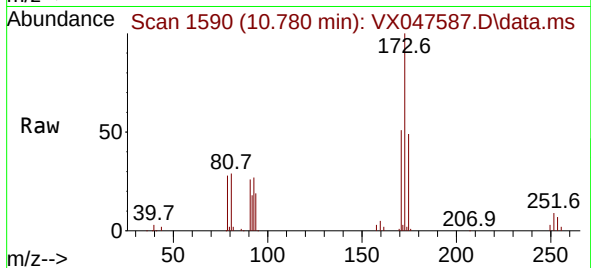
Tgt Ion:173 Resp: 35922

Ion Ratio Lower Upper

173 100

175 48.3 24.9 74.6

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

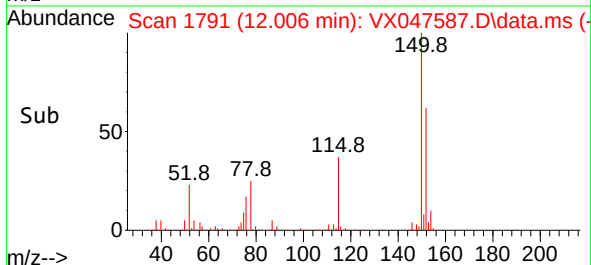
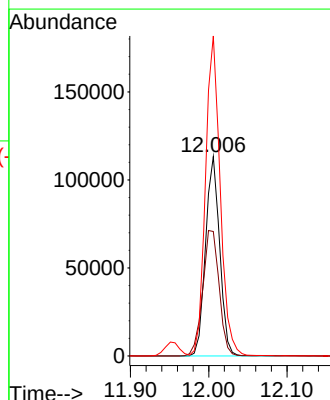
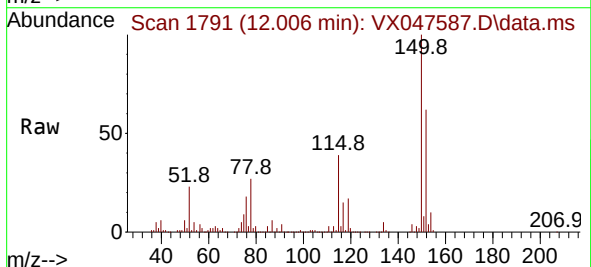
Tgt Ion:152 Resp: 141590

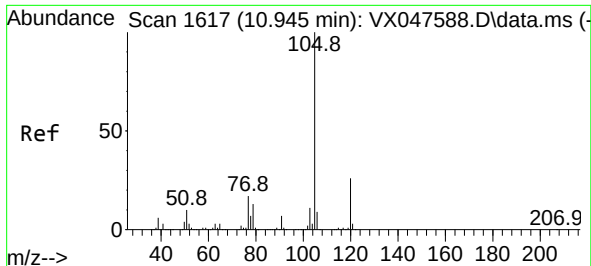
Ion Ratio Lower Upper

152 100

115 73.2 44.9 134.5

150 167.1 0.0 352.0

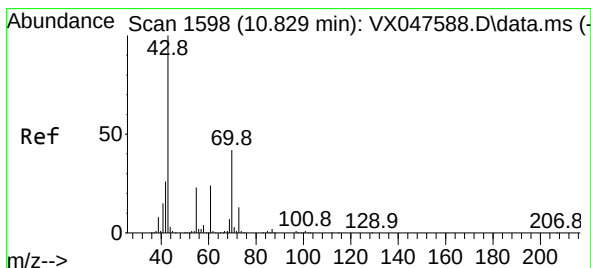
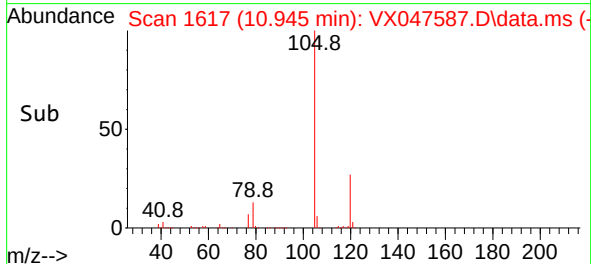
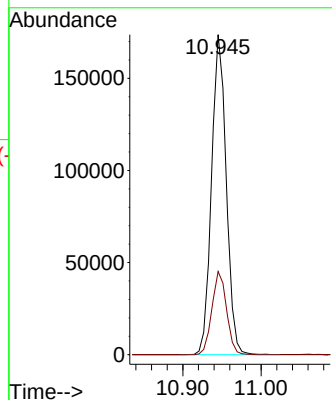
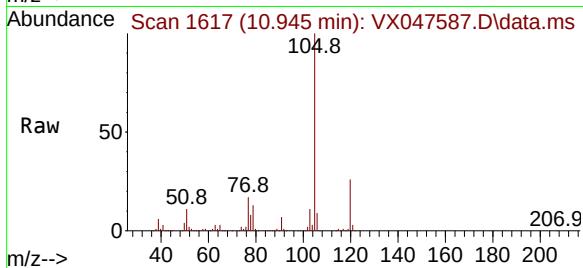




#73
Isopropylbenzene
Concen: 20.970 ug/l
RT: 10.945 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

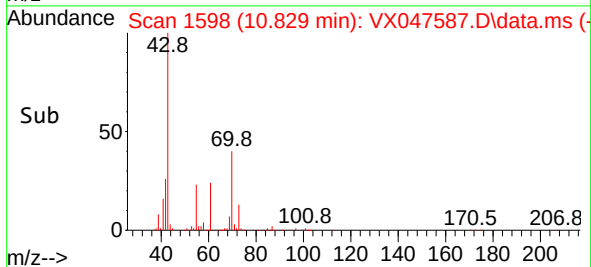
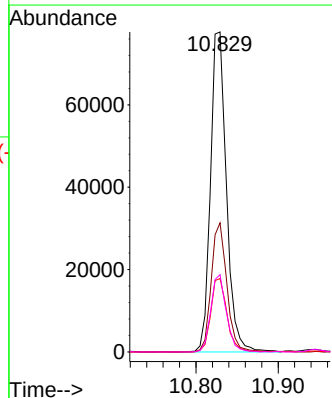
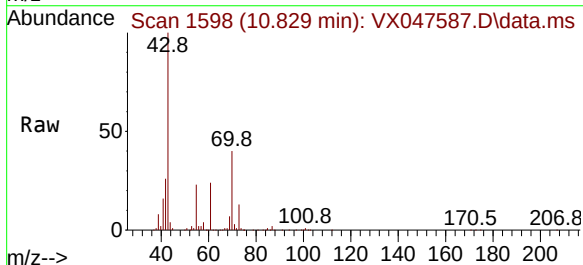
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

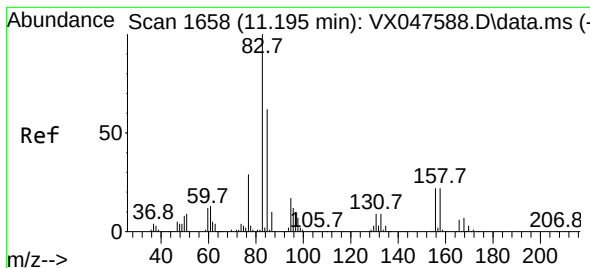
Tgt Ion:105 Resp: 225730
Ion Ratio Lower Upper
105 100
120 25.9 12.8 38.4



#74
N-ethyl acetate
Concen: 21.354 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 104823
Ion Ratio Lower Upper
43 100
70 39.8 32.0 48.0
55 23.4 18.9 28.3
61 23.6 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.920 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

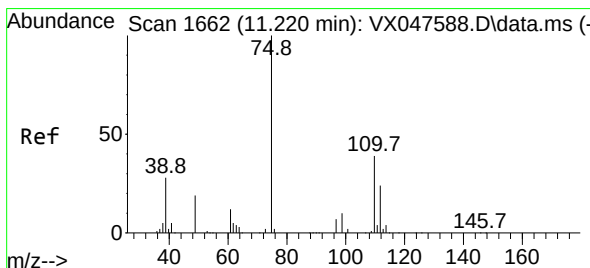
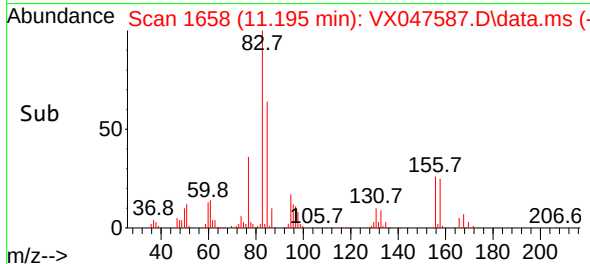
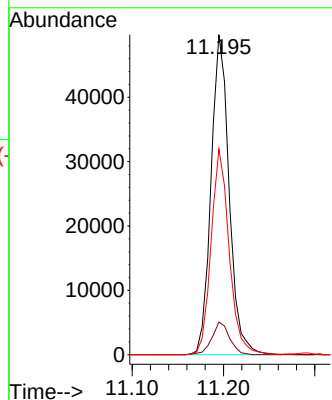
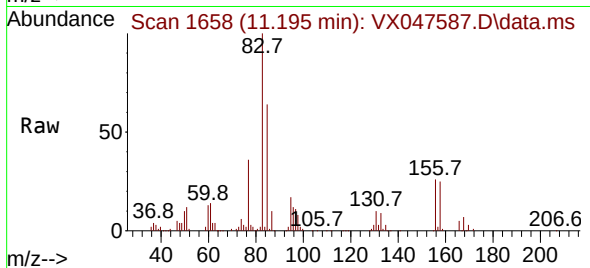
Tgt Ion: 83 Resp: 68132

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

85 64.4 31.6 95.0



#76

1,2,3-Trichloropropane

Concen: 26.858 ug/l

RT: 11.225 min Scan# 1663

Delta R.T. 0.006 min

Lab File: VX047587.D

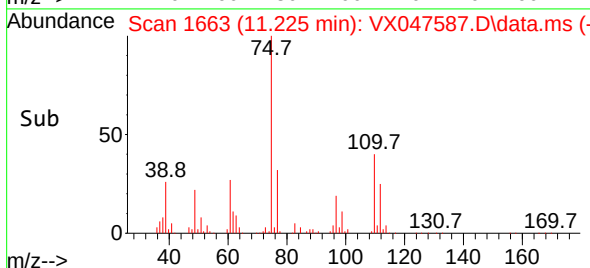
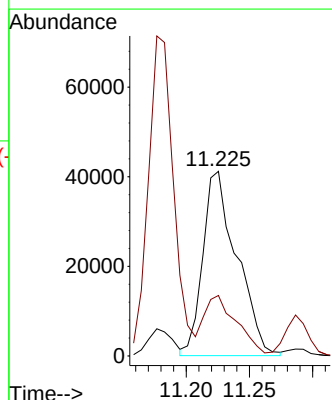
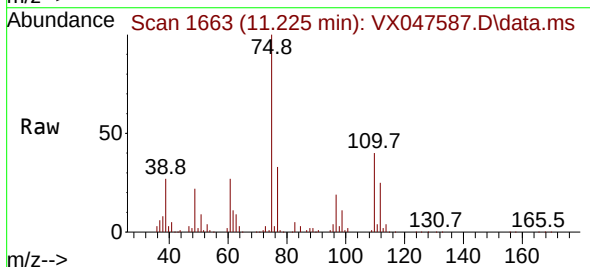
Acq: 16 Sep 2025 10:37

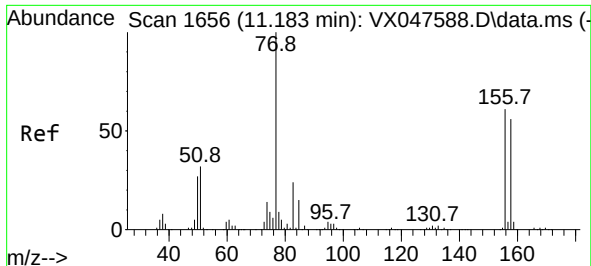
Tgt Ion: 75 Resp: 76996

Ion Ratio Lower Upper

75 100

77 31.3 18.8 56.4

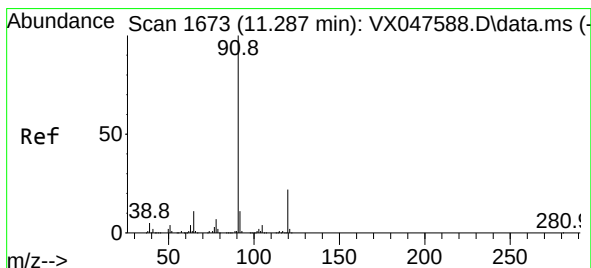
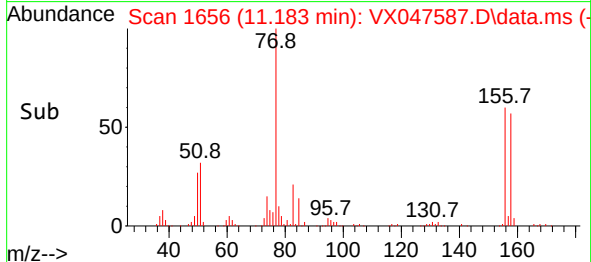
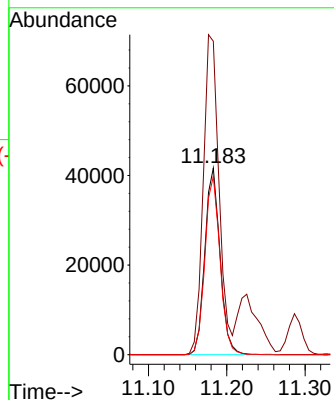
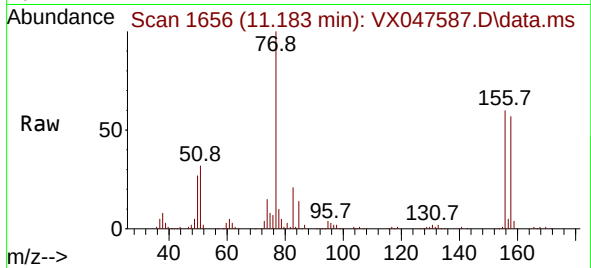




#77
Bromobenzene
Concen: 21.183 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

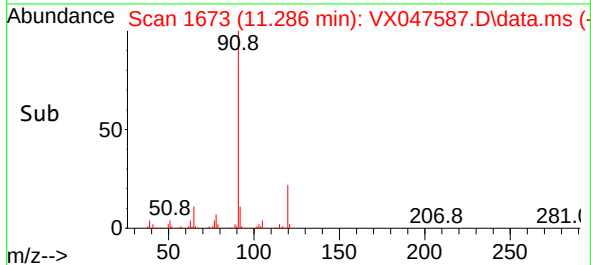
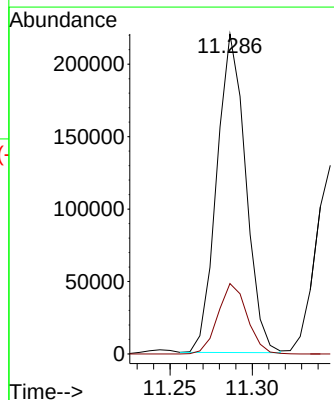
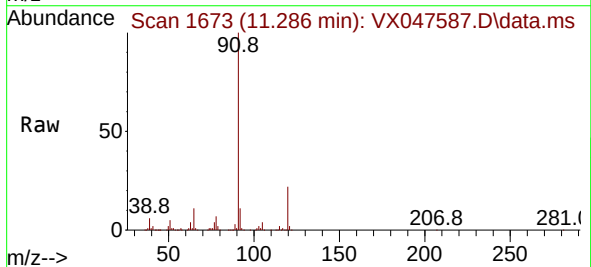
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

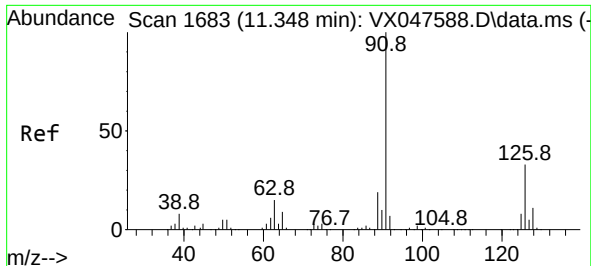
Tgt Ion:156 Resp: 56161
Ion Ratio Lower Upper
156 100
77 177.4 89.7 269.1
158 95.2 47.9 143.6



#78
n-propylbenzene
Concen: 21.092 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 268399
Ion Ratio Lower Upper
91 100
120 22.3 11.1 33.1

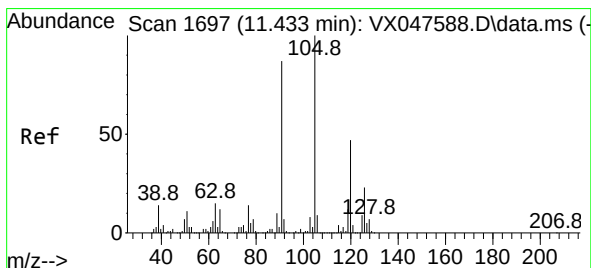
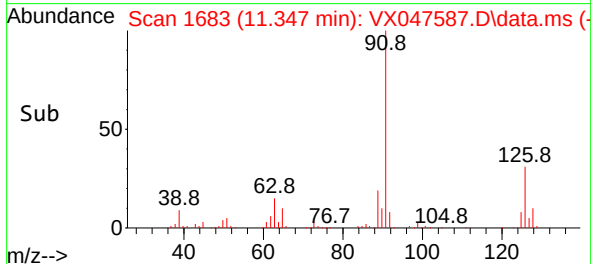
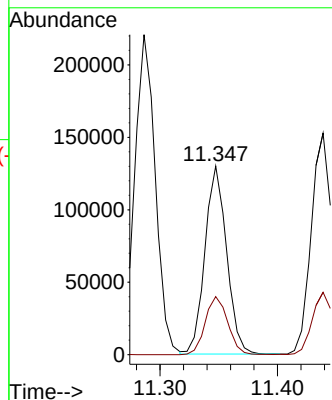
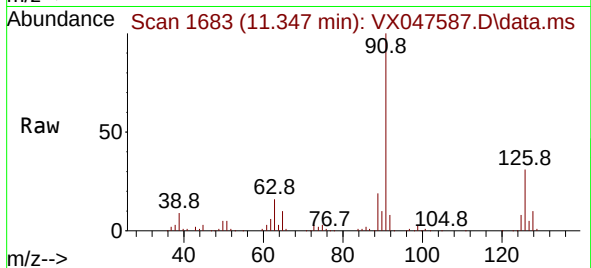




#79
2-Chlorotoluene
Concen: 21.329 ug/l
RT: 11.347 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

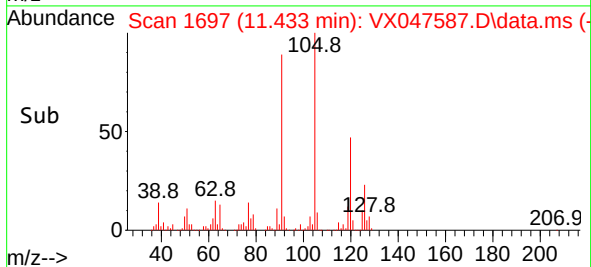
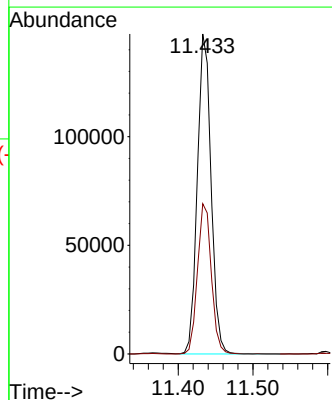
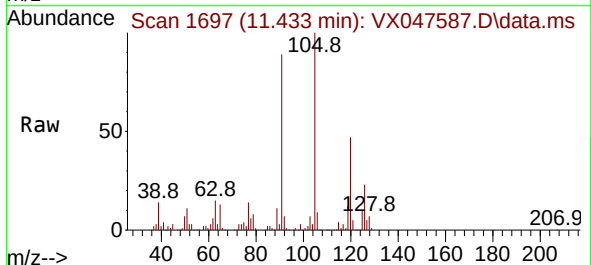
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

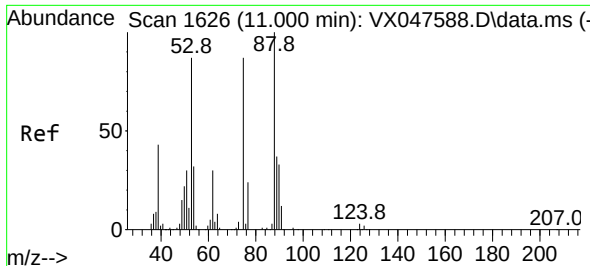
Tgt Ion: 91 Resp: 166237
Ion Ratio Lower Upper
91 100
126 32.1 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 21.202 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 105 Resp: 187513
Ion Ratio Lower Upper
105 100
120 47.4 23.6 70.8

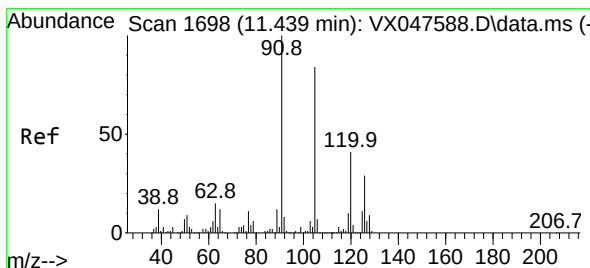
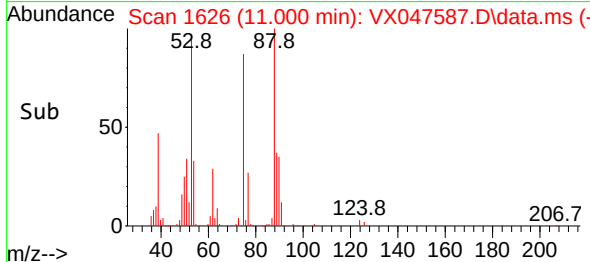
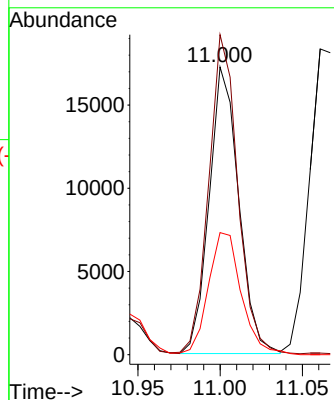
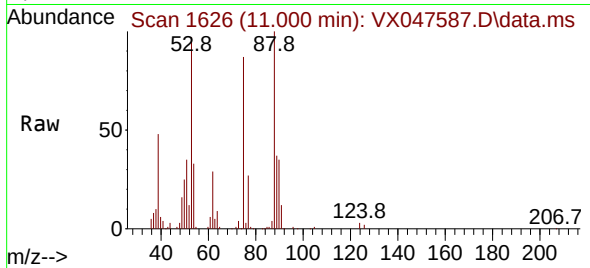




#81
trans-1,4-Dichloro-2-butene
Concen: 19.173 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

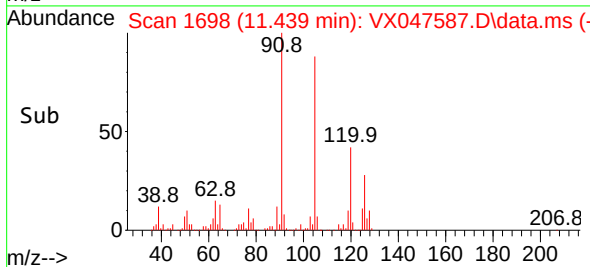
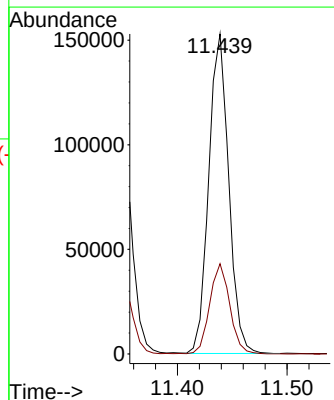
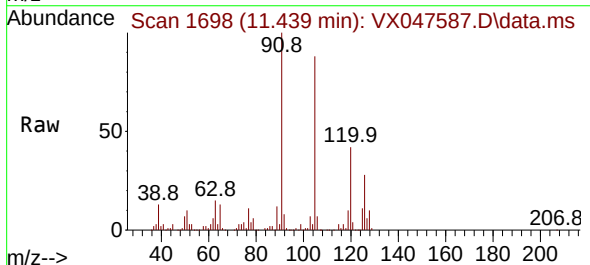
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

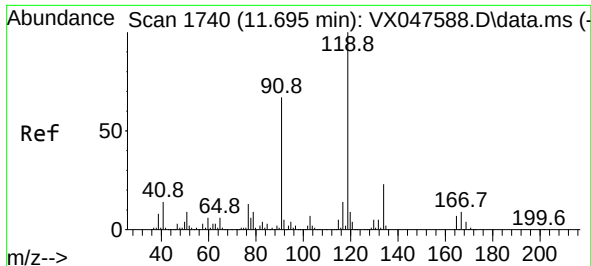
Tgt Ion: 75 Resp: 21553
Ion Ratio Lower Upper
75 100
53 109.1 83.4 125.2
89 47.6 36.3 54.5



#82
4-Chlorotoluene
Concen: 20.980 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 193122
Ion Ratio Lower Upper
91 100
126 28.5 14.2 42.6

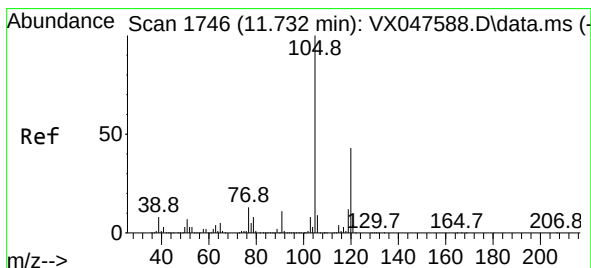
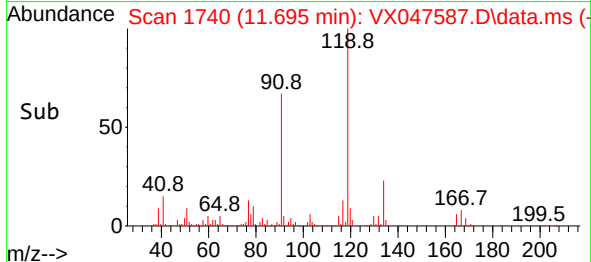
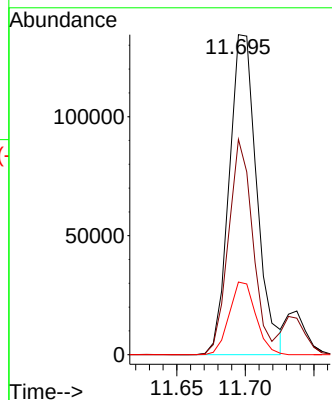
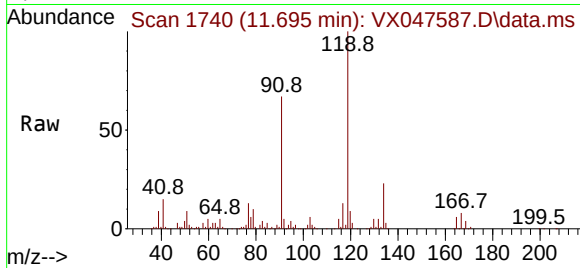




#83
tert-Butylbenzene
Concen: 20.929 ug/l
RT: 11.695 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

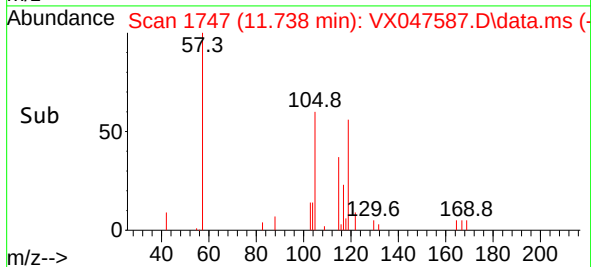
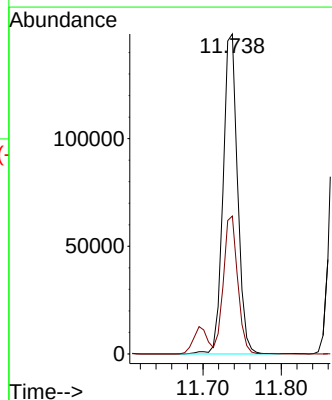
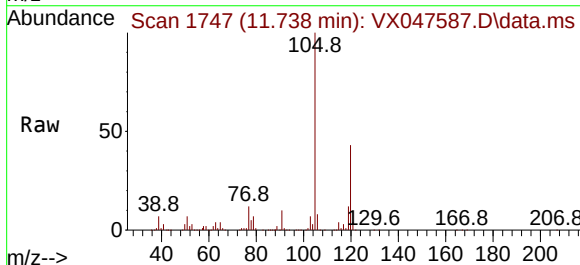
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

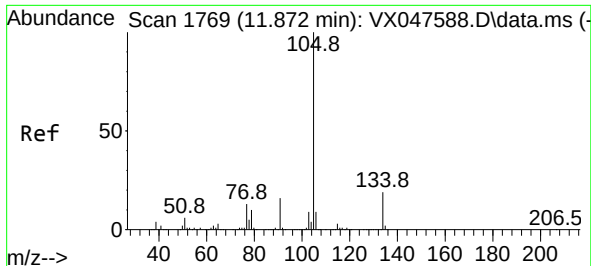
Tgt Ion:119 Resp: 189484
Ion Ratio Lower Upper
119 100
91 59.2 29.6 88.8
134 21.8 11.0 33.0



#84
1,2,4-Trimethylbenzene
Concen: 21.355 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 191477
Ion Ratio Lower Upper
105 100
120 42.6 22.1 66.1

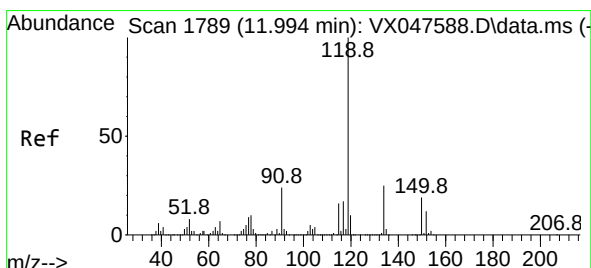
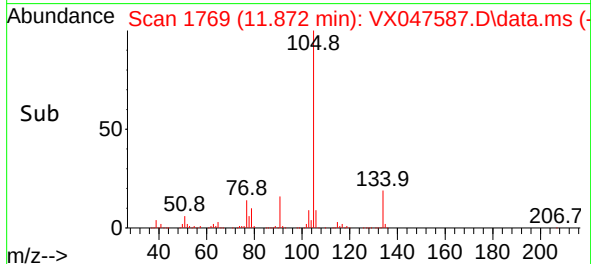
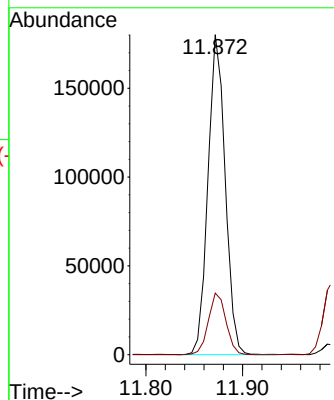
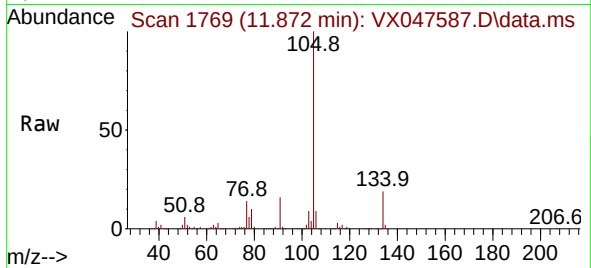




#85
 sec-Butylbenzene
 Concen: 20.777 ug/l
 RT: 11.872 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: VX047587.D
 Acq: 16 Sep 2025 10:37

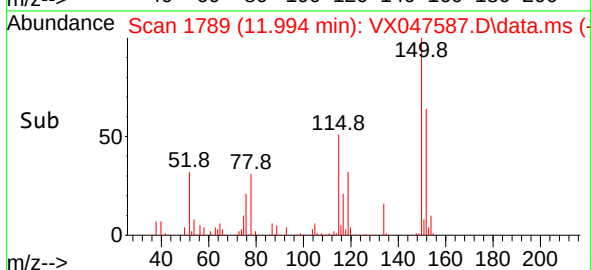
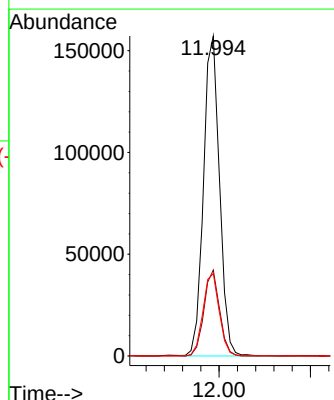
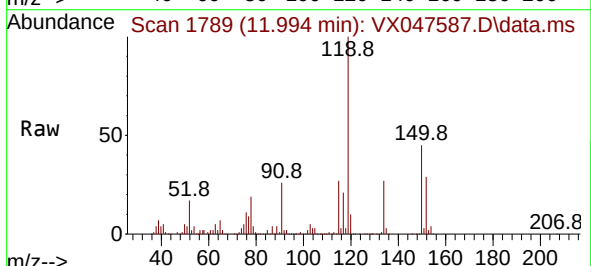
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

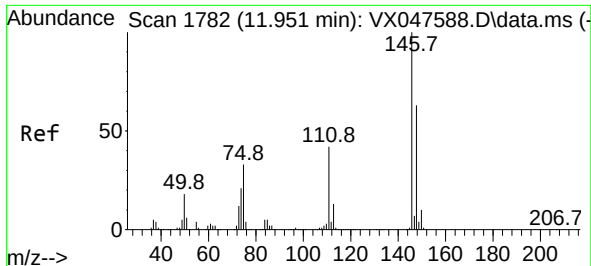
Tgt Ion:105 Resp: 223434
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 20.972 ug/l
 RT: 11.994 min Scan# 1789
 Delta R.T. -0.000 min
 Lab File: VX047587.D
 Acq: 16 Sep 2025 10:37

Tgt Ion:119 Resp: 190931
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.6 37.8
 91 26.2 12.6 37.6

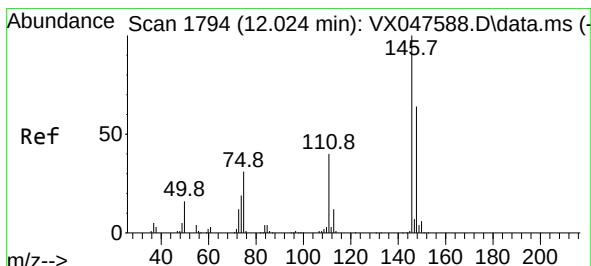
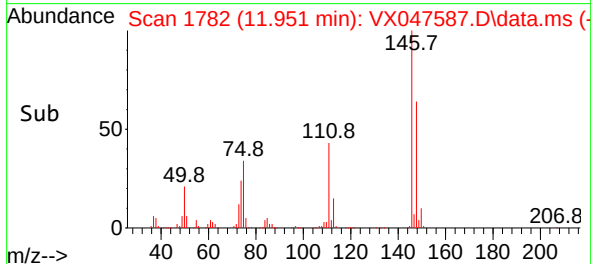
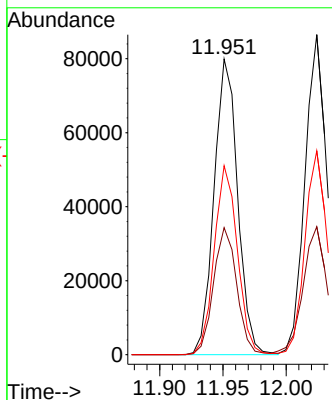
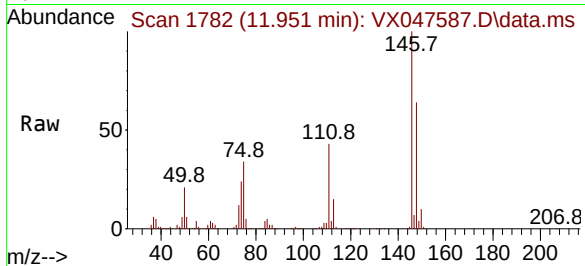




#87
1,3-Dichlorobenzene
Concen: 21.035 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

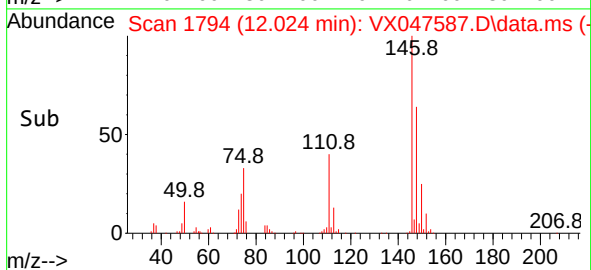
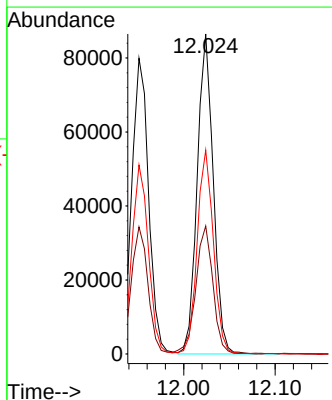
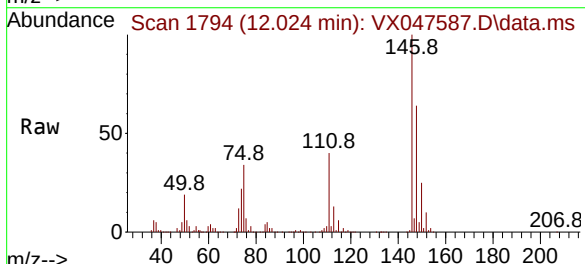
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

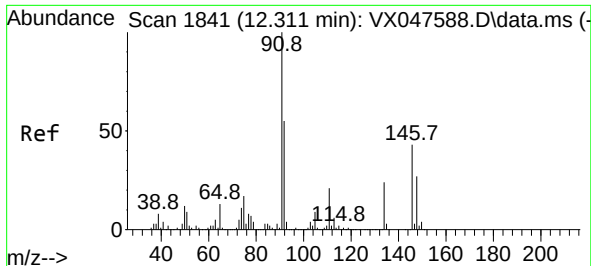
Tgt Ion:146 Resp: 103584
Ion Ratio Lower Upper
146 100
111 42.4 21.5 64.5
148 62.7 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 20.937 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 105819
Ion Ratio Lower Upper
146 100
111 42.6 20.8 62.4
148 64.4 31.7 95.1





#89

n-Butylbenzene

Concen: 20.937 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

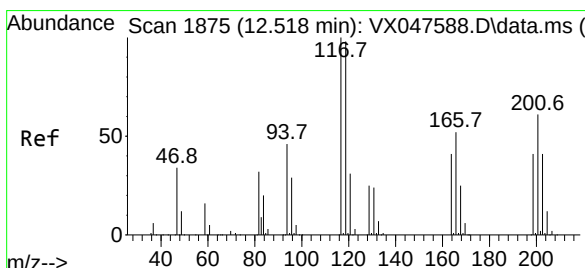
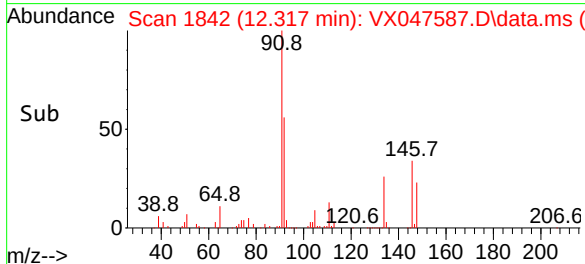
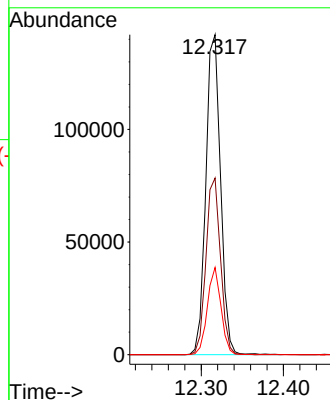
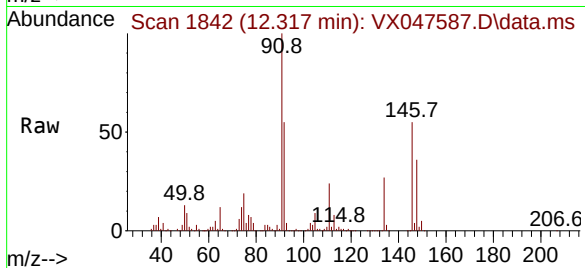
Tgt Ion: 91 Resp: 176373

Ion Ratio Lower Upper

91 100

92 54.6 27.6 82.7

134 25.3 12.6 37.8



#90

Hexachloroethane

Concen: 20.349 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX047587.D

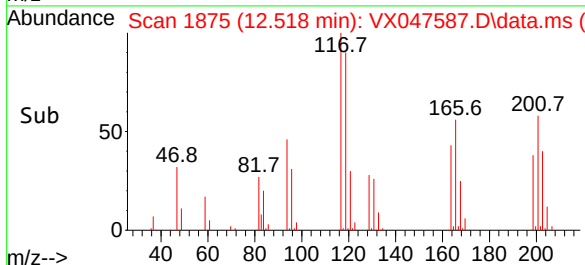
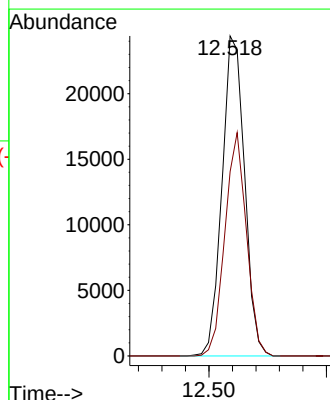
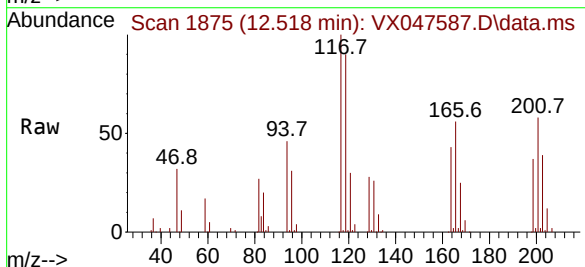
Acq: 16 Sep 2025 10:37

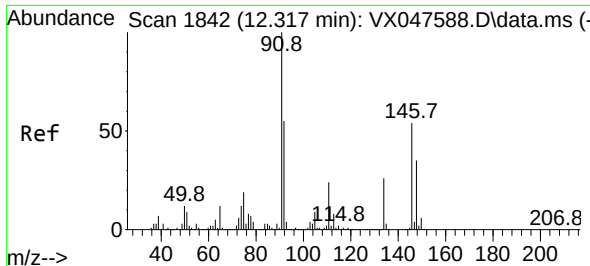
Tgt Ion: 117 Resp: 32526

Ion Ratio Lower Upper

117 100

201 66.6 34.2 102.5

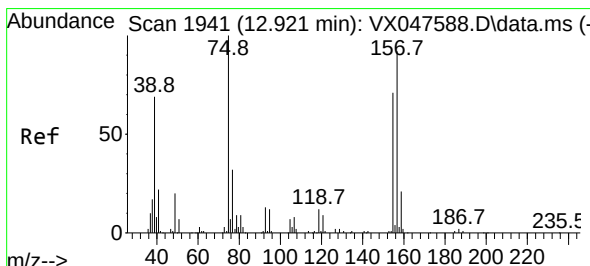
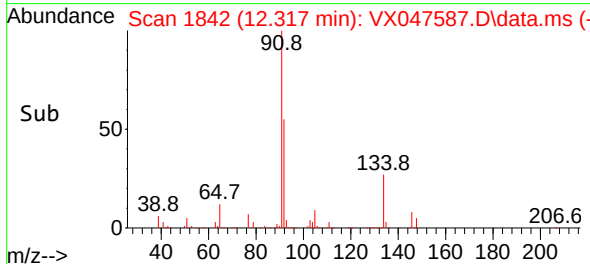
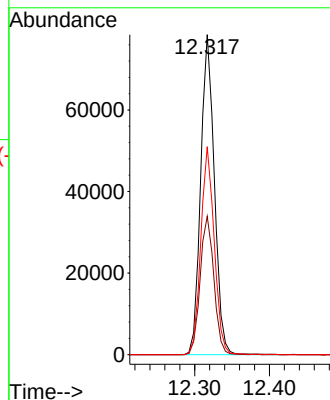
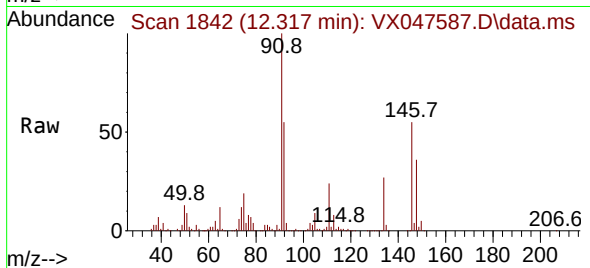




#91
1,2-Dichlorobenzene
Concen: 21.207 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

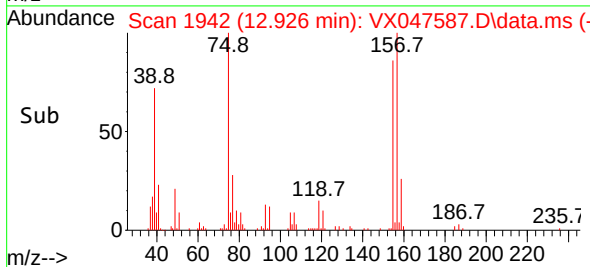
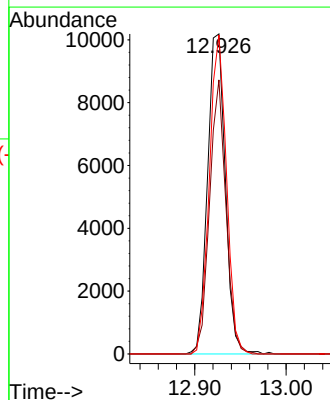
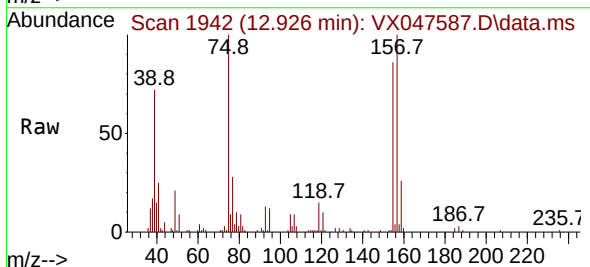
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

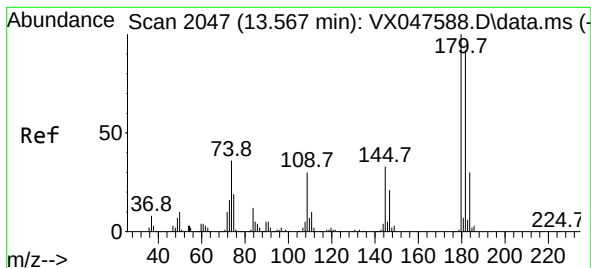
Tgt Ion:146 Resp: 99493
Ion Ratio Lower Upper
146 100
111 43.4 22.2 66.6
148 63.9 31.8 95.4



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.821 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 13729
Ion Ratio Lower Upper
75 100
155 78.8 37.7 113.1
157 95.9 49.8 149.4





#93

1,2,4-Trichlorobenzene

Concen: 20.571 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

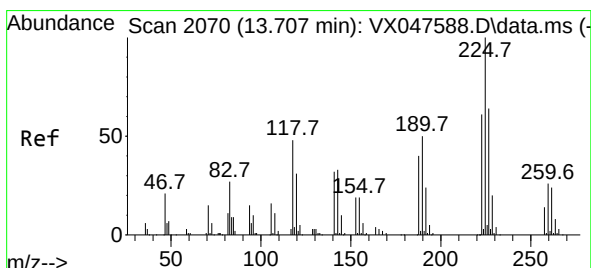
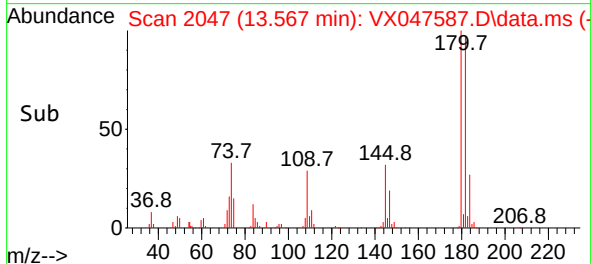
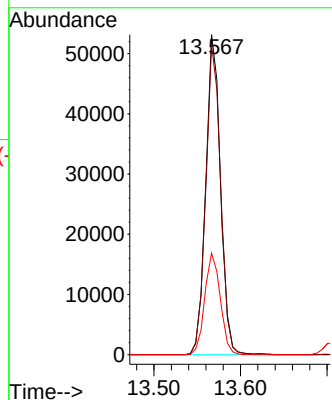
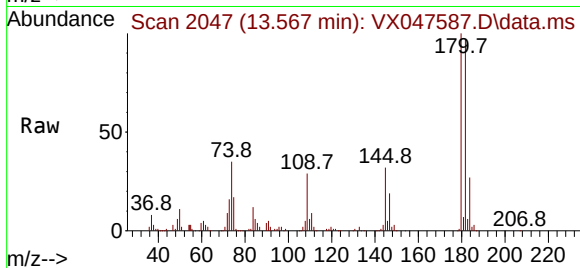
Tgt Ion:180 Resp: 62722

Ion Ratio Lower Upper

180 100

182 97.8 46.6 139.8

145 33.4 16.4 49.1



#94

Hexachlorobutadiene

Concen: 19.751 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

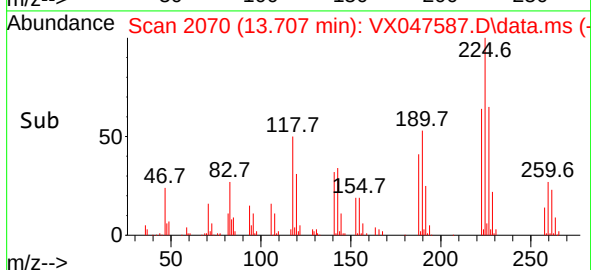
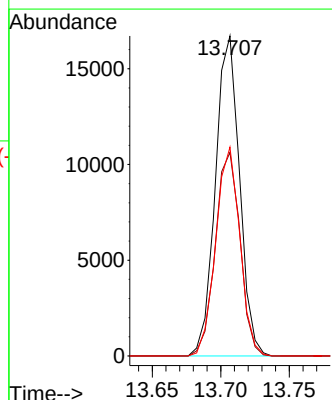
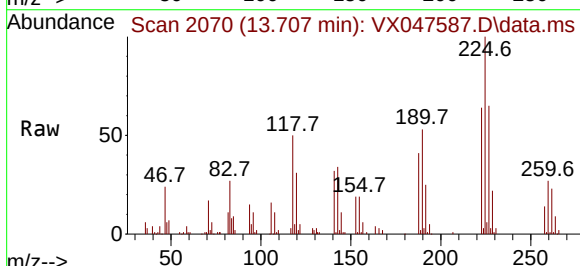
Tgt Ion:225 Resp: 20456

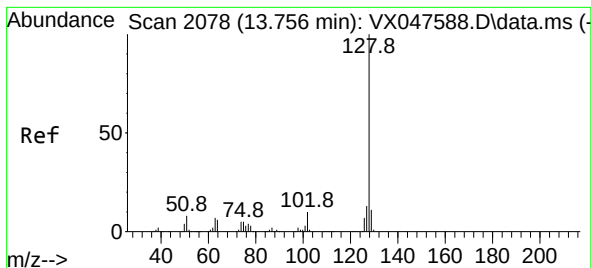
Ion Ratio Lower Upper

225 100

223 65.0 31.7 95.1

227 65.1 32.0 96.0





#95

Naphthalene

Concen: 20.801 ug/l

RT: 13.756 min Scan# 2108

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

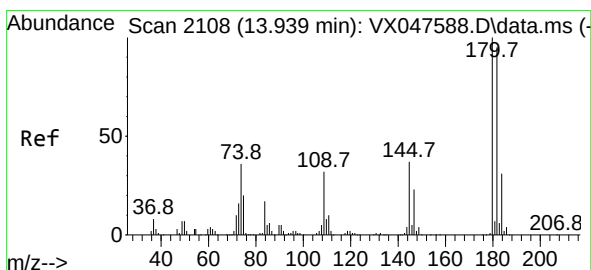
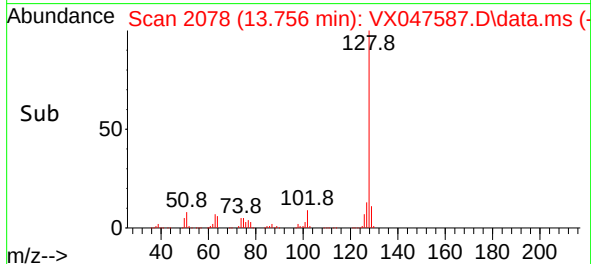
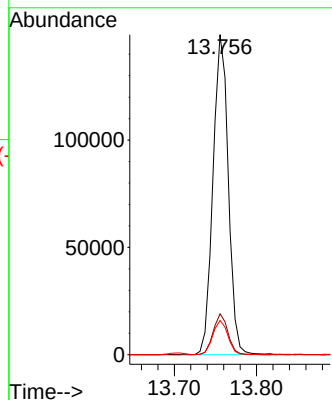
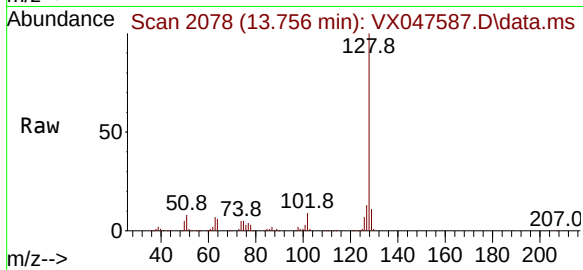
Tgt Ion:128 Resp: 193134

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.2

129 10.5 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 20.593 ug/l

RT: 13.938 min Scan# 2108

Delta R.T. -0.000 min

Lab File: VX047587.D

Acq: 16 Sep 2025 10:37

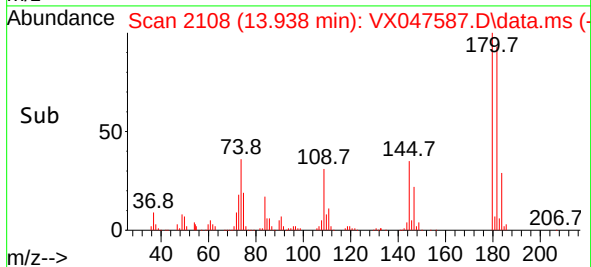
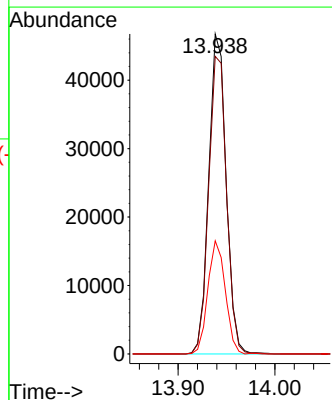
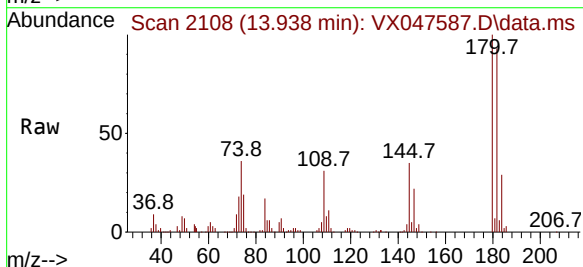
Tgt Ion:180 Resp: 58409

Ion Ratio Lower Upper

180 100

182 95.5 47.6 142.8

145 35.5 17.9 53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\X091625\
 Data File : VX047588.D
 Acq On : 16 Sep 2025 10:58
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	173407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	307383	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127732	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	133606	48.404	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.800%
35) Dibromofluoromethane	5.373	113	101627	49.298	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.600%
50) Toluene-d8	8.635	98	352578	49.428	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.860%
62) 4-Bromofluorobenzene	11.061	95	131217	48.471	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.940%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	86824	48.352	ug/l	100
3) Chloromethane	1.301	50	114682	48.594	ug/l	100
4) Vinyl Chloride	1.380	62	114666	49.635	ug/l	100
5) Bromomethane	1.618	94	73561	50.216	ug/l	100
6) Chloroethane	1.697	64	76736	49.698	ug/l	100
7) Trichlorofluoromethane	1.898	101	172561	50.307	ug/l	100
8) Diethyl Ether	2.136	74	70874	50.510	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	101178	50.445	ug/l	100
10) Methyl Iodide	2.459	142	158046	50.525	ug/l	100
11) Tert butyl alcohol	2.941	59	77232	251.232	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104724	50.831	ug/l	100
13) Acrolein	2.239	56	70721	249.645	ug/l	100
14) Allyl chloride	2.666	41	210001	49.396	ug/l	100
15) Acrylonitrile	3.063	53	300642	264.027	ug/l	100
16) Acetone	2.374	43	275065	229.193	ug/l	100
17) Carbon Disulfide	2.520	76	271480	48.133	ug/l	100
18) Methyl Acetate	2.703	43	151968	56.897	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	389607	51.804	ug/l	100
20) Methylene Chloride	2.788	84	126506	49.798	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	112553	50.743	ug/l	100
22) Diisopropyl ether	3.758	45	429524	52.131	ug/l	100
23) Vinyl Acetate	3.715	43	1726735	261.852	ug/l	100
24) 1,1-Dichloroethane	3.605	63	224824	51.338	ug/l	100
25) 2-Butanone	4.538	43	380335	254.060	ug/l	100
26) 2,2-Dichloropropane	4.465	77	185247	50.888	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	140105	51.576	ug/l	100
28) Bromochloromethane	4.891	49	99991	52.301	ug/l	100
29) Tetrahydrofuran	4.989	42	238677	265.026	ug/l	100
30) Chloroform	5.080	83	229430	51.844	ug/l	100
31) Cyclohexane	5.458	56	178546	48.952	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	195407	52.058	ug/l	100
36) 1,1-Dichloropropene	5.684	75	149800	49.729	ug/l	100
37) Ethyl Acetate	4.702	43	163482	50.687	ug/l	100
38) Carbon Tetrachloride	5.672	117	165730	50.637	ug/l	100
39) Methylcyclohexane	7.367	83	173610	50.773	ug/l	100
40) Benzene	6.025	78	468136	51.167	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047588.D
 Acq On : 16 Sep 2025 10:58
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	87761	52.707	ug/l	100
42) 1,2-Dichloroethane	6.074	62	179037	51.431	ug/l	100
43) Isopropyl Acetate	6.324	43	275572	52.096	ug/l	100
44) Trichloroethene	7.111	130	113832	51.463	ug/l	100
45) 1,2-Dichloropropane	7.415	63	122109	52.122	ug/l	100
46) Dibromomethane	7.568	93	88505	51.914	ug/l	100
47) Bromodichloromethane	7.806	83	186540	53.025	ug/l	100
48) Methyl methacrylate	7.678	41	138167	52.438	ug/l	100
49) 1,4-Dioxane	7.647	88	29496	1107.698	ug/l	100
51) 4-Methyl-2-Pentanone	8.562	43	784978	267.650	ug/l	100
52) Toluene	8.702	92	288853	51.244	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	190282	53.027	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	200859	52.369	ug/l	100
55) 1,1,2-Trichloroethane	9.135	97	112837	51.915	ug/l	100
56) Ethyl methacrylate	9.104	69	184087	53.930	ug/l	100
57) 1,3-Dichloropropane	9.293	76	195989	52.492	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	418707	256.309	ug/l	100
59) 2-Hexanone	9.415	43	553313	262.683	ug/l	100
60) Dibromochloromethane	9.506	129	133737	53.401	ug/l	100
61) 1,2-Dibromoethane	9.592	107	116462	52.607	ug/l	100
64) Tetrachloroethene	9.257	164	88149	50.074	ug/l	100
65) Chlorobenzene	10.061	112	317982	51.833	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	111849	52.835	ug/l	100
67) Ethyl Benzene	10.177	91	550610	52.017	ug/l	100
68) m/p-Xylenes	10.287	106	412932	104.809	ug/l	100
69) o-Xylene	10.622	106	202291	53.084	ug/l	100
70) Styrene	10.640	104	350654	52.515	ug/l	100
71) Bromoform	10.781	173	84485	53.447	ug/l #	100
73) Isopropylbenzene	10.945	105	516891	53.227	ug/l	100
74) N-amyl acetate	10.829	43	237846	53.710	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	156454	53.251	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	178309	68.947	ug/l	88
77) Bromobenzene	11.183	156	126174	52.754	ug/l	100
78) n-propylbenzene	11.287	91	612035	53.315	ug/l	100
79) 2-Chlorotoluene	11.348	91	372397	52.965	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	426989	53.518	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	52927	52.190	ug/l	100
82) 4-Chlorotoluene	11.439	91	438502	52.806	ug/l	100
83) tert-Butylbenzene	11.695	119	429107	52.539	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	427073	52.798	ug/l	100
85) sec-Butylbenzene	11.872	105	514442	53.029	ug/l	100
86) p-Isopropyltoluene	11.994	119	436704	53.172	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	232038	52.232	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	233975	51.316	ug/l	100
89) n-Butylbenzene	12.311	91	400997	52.766	ug/l	100
90) Hexachloroethane	12.518	117	75800	52.567	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	222993	52.688	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	32451	54.554	ug/l	100
93) 1,2,4-Trichlorobenzene	13.567	180	147670	53.685	ug/l	100
94) Hexachlorobutadiene	13.707	225	49061	52.510	ug/l	100
95) Naphthalene	13.756	128	452013	53.966	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	138978	54.316	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

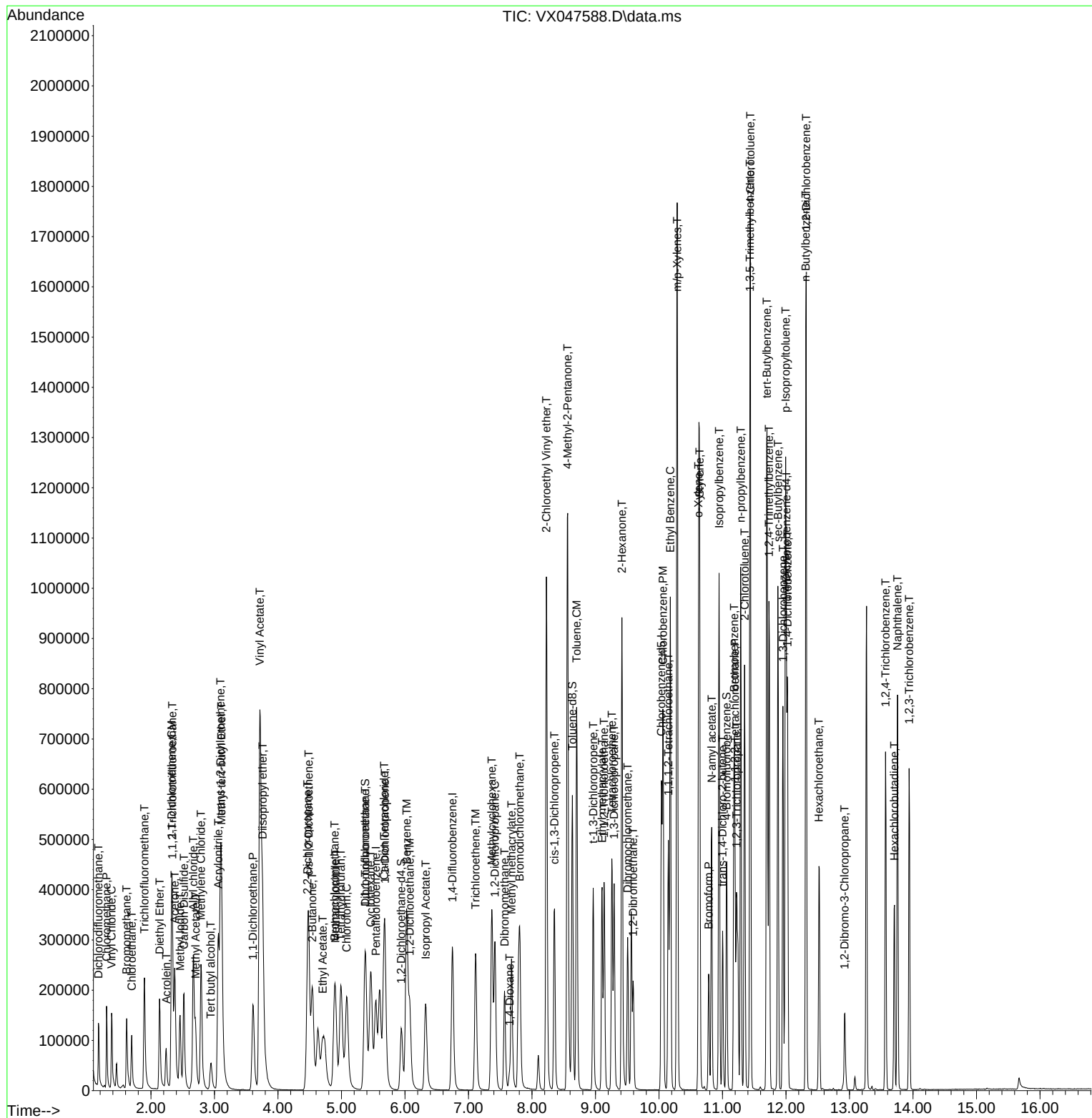
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

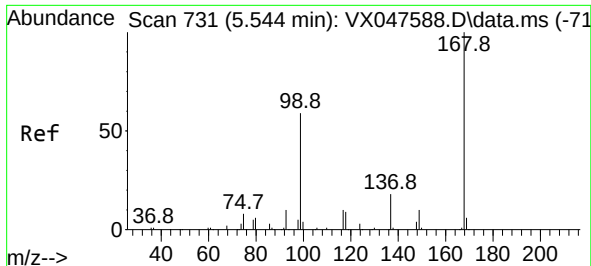
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

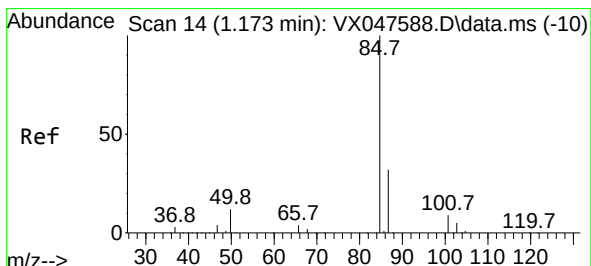
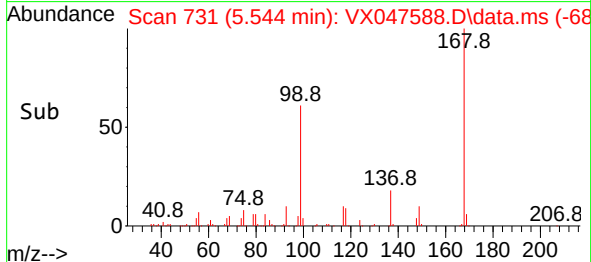
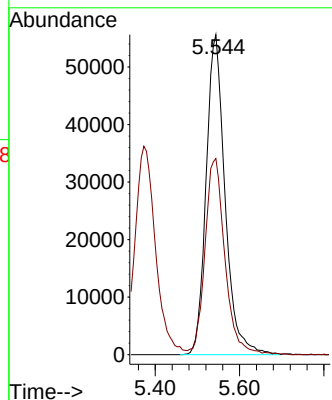
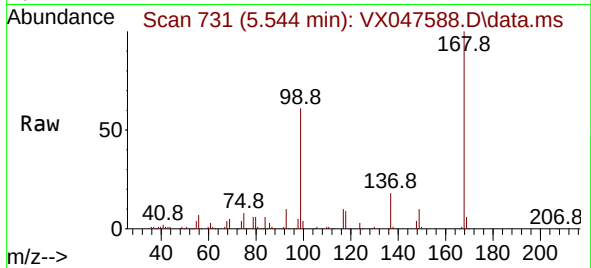




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

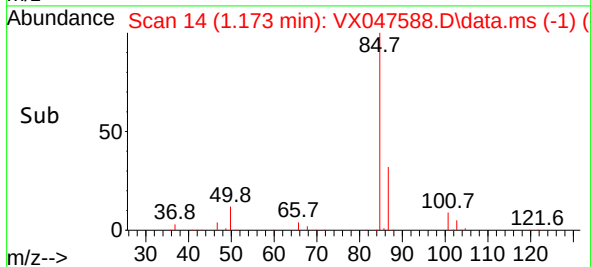
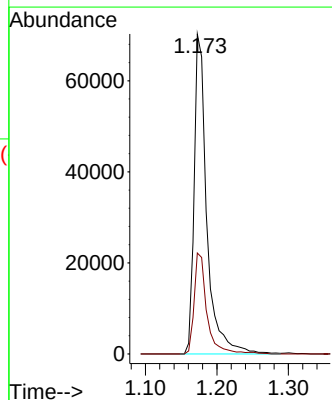
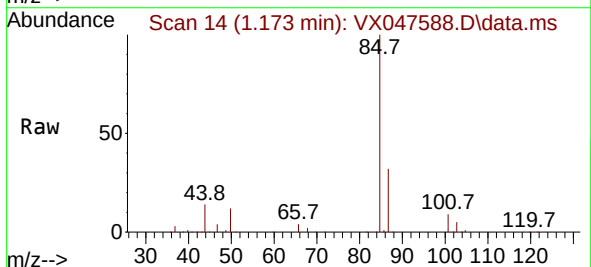
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

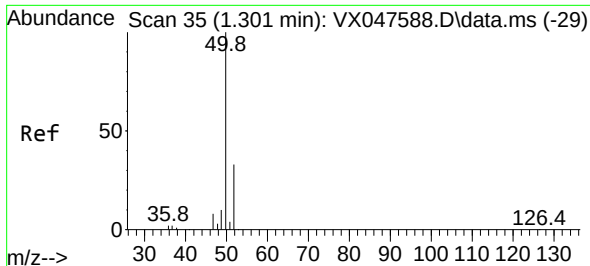
Tgt Ion:168 Resp: 173407
Ion Ratio Lower Upper
168 100
99 61.0 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 48.352 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 85 Resp: 86824
Ion Ratio Lower Upper
85 100
87 31.5 15.8 47.3

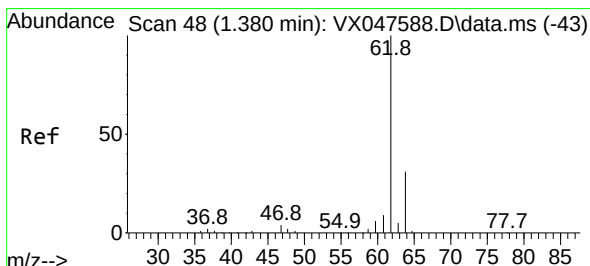
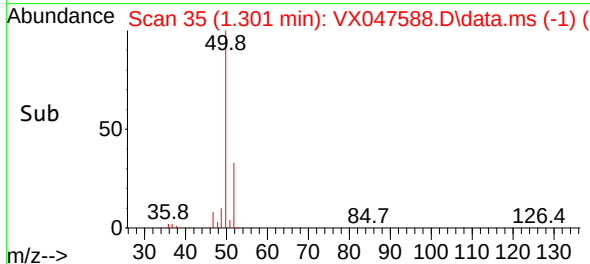
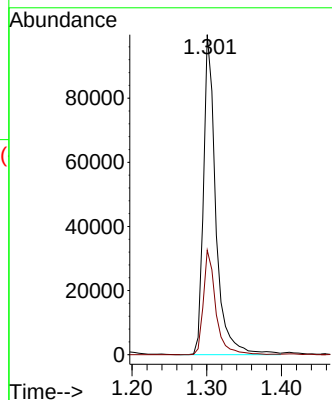
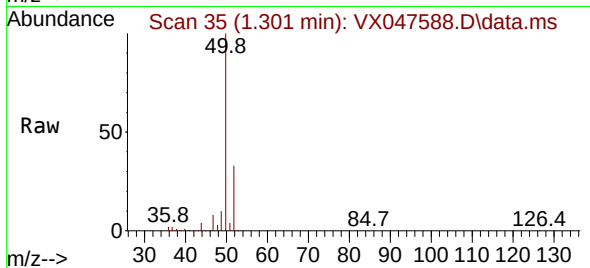




#3
Chloromethane
Concen: 48.594 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

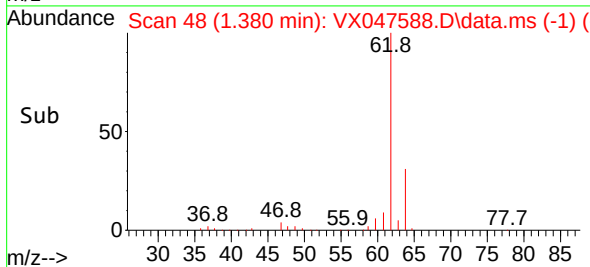
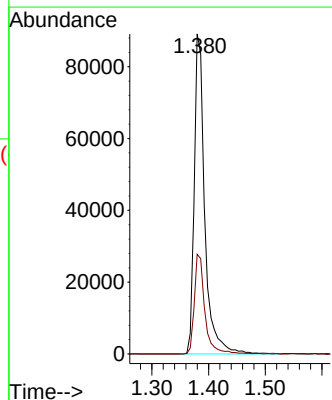
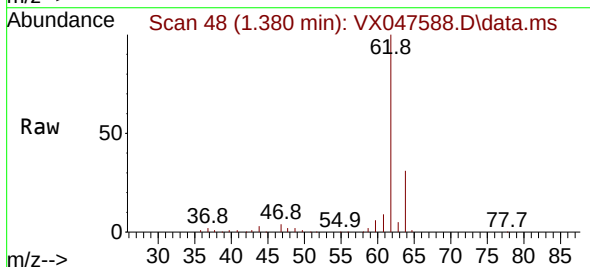
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

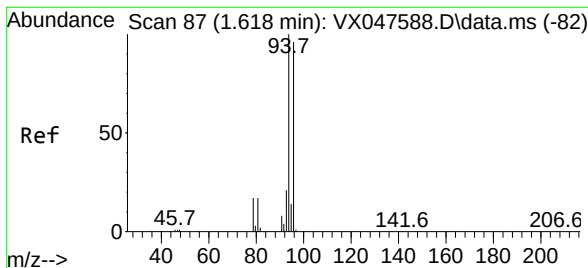
Tgt Ion: 50 Resp: 114682
Ion Ratio Lower Upper
50 100
52 32.6 26.1 39.1



#4
Vinyl Chloride
Concen: 49.635 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 114666
Ion Ratio Lower Upper
62 100
64 31.1 24.9 37.3

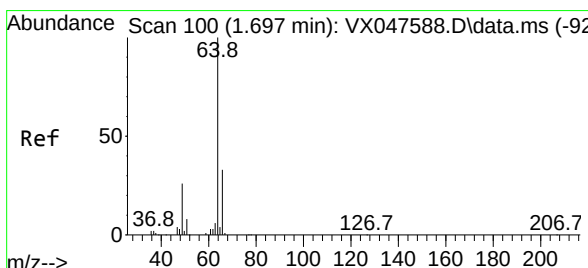
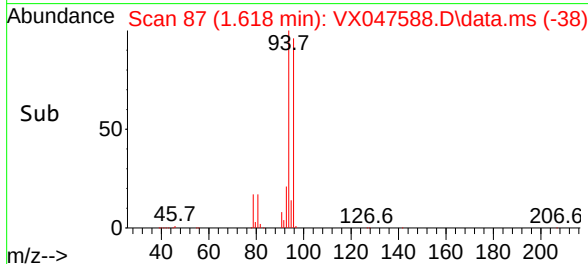
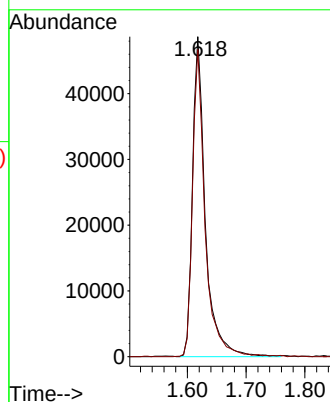
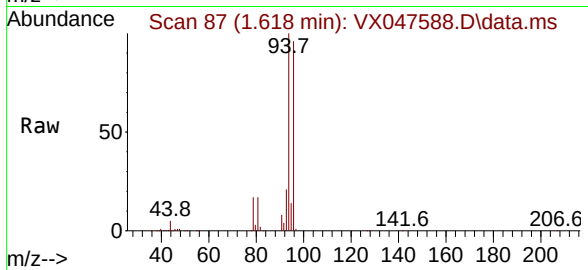




#5
Bromomethane
Concen: 50.216 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

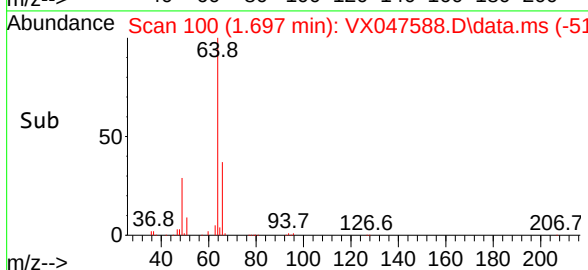
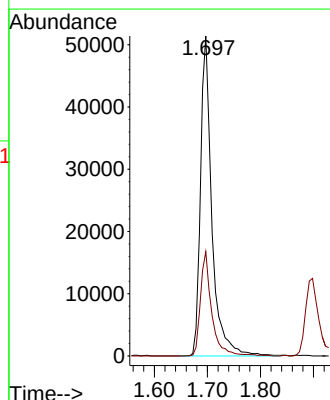
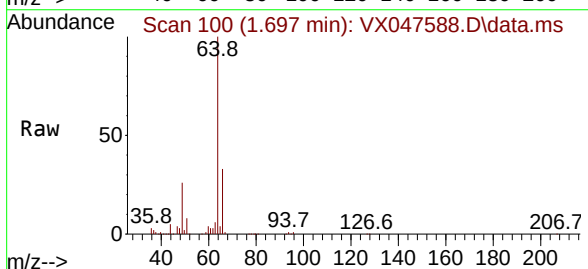
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

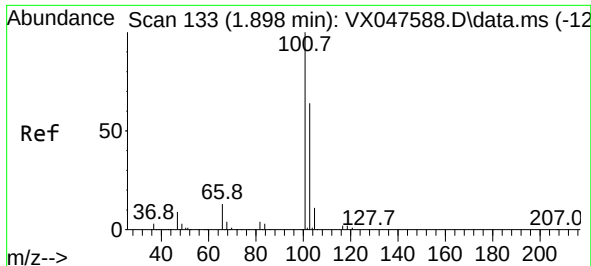
Tgt Ion: 94 Resp: 73561
Ion Ratio Lower Upper
94 100
96 95.8 76.6 115.0



#6
Chloroethane
Concen: 49.698 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 64 Resp: 76736
Ion Ratio Lower Upper
64 100
66 32.6 26.1 39.1

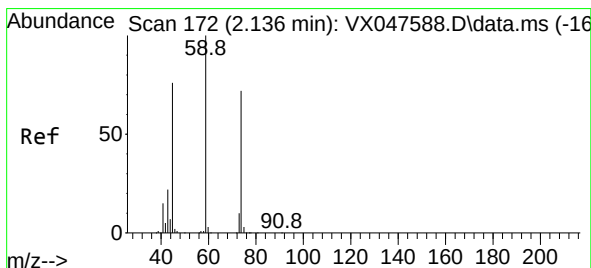
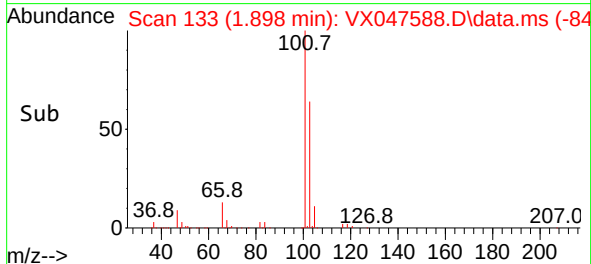
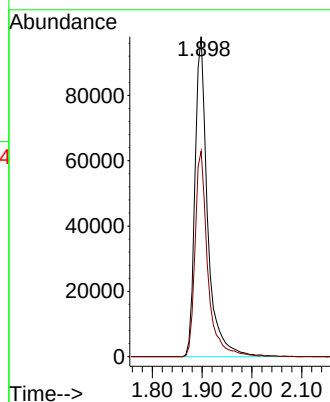
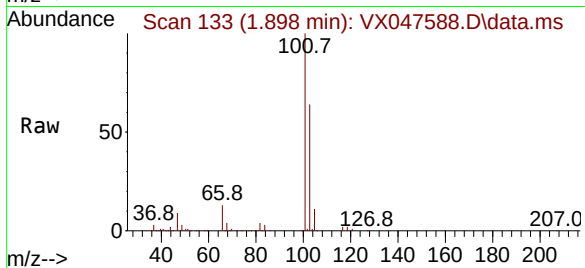




#7
Trichlorofluoromethane
Concen: 50.307 ug/l
RT: 1.898 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

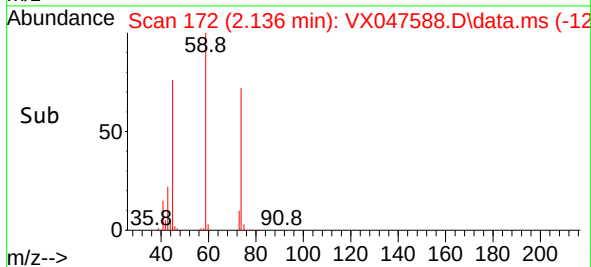
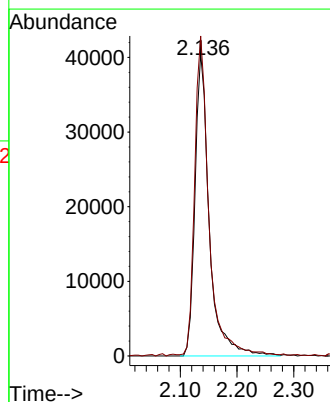
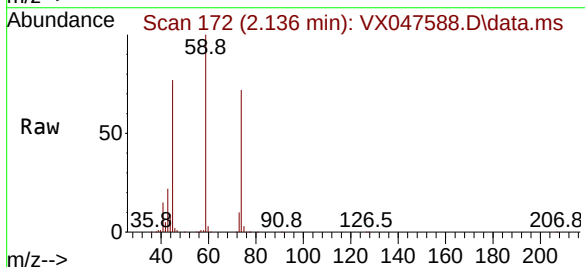
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

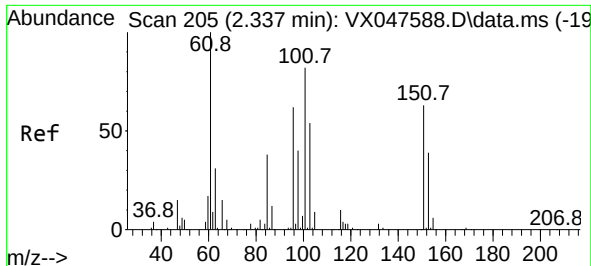
Tgt Ion:101 Resp: 172561
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2



#8
Diethyl Ether
Concen: 50.510 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 74 Resp: 70874
Ion Ratio Lower Upper
74 100
45 104.5 52.3 156.8

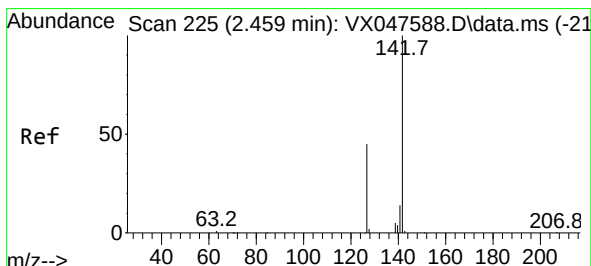
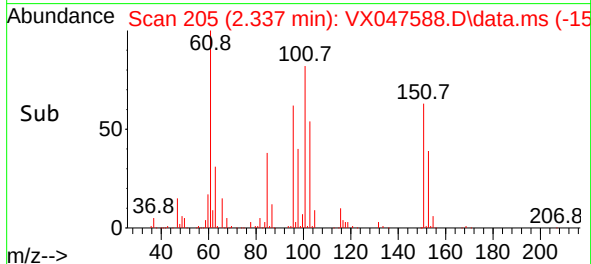
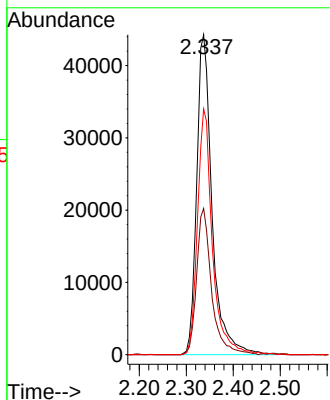
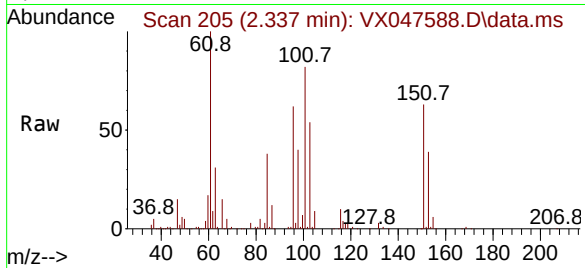




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.445 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

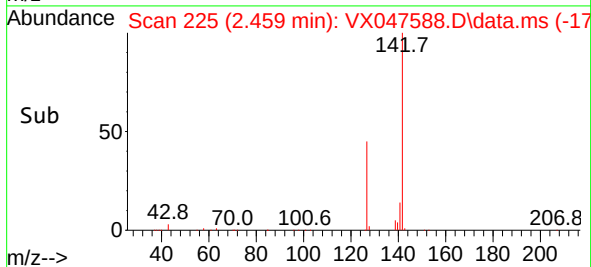
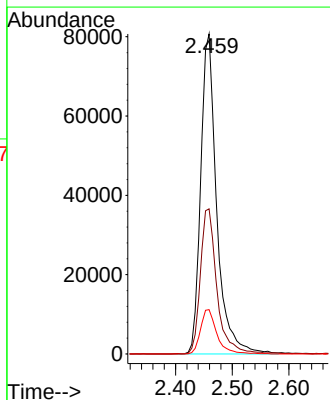
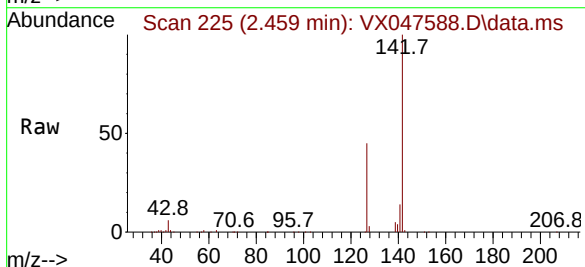
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

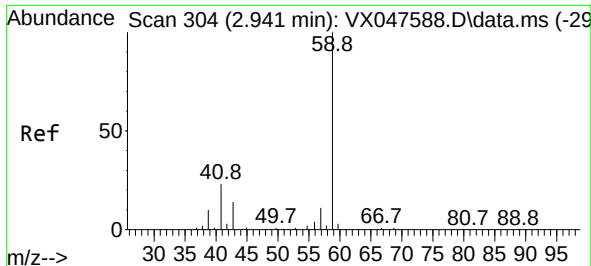
Tgt Ion:101 Resp: 101178
Ion Ratio Lower Upper
101 100
85 44.4 35.5 53.3
151 74.2 59.4 89.0



#10
Methyl Iodide
Concen: 50.525 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:142 Resp: 158046
Ion Ratio Lower Upper
142 100
127 46.5 37.2 55.8
141 14.2 11.4 17.0

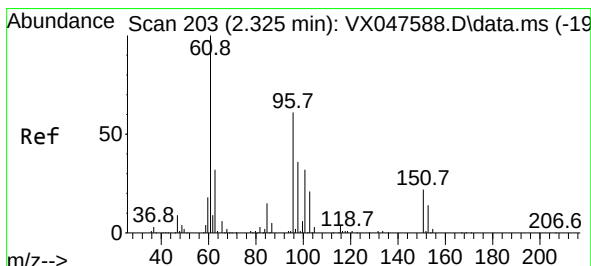
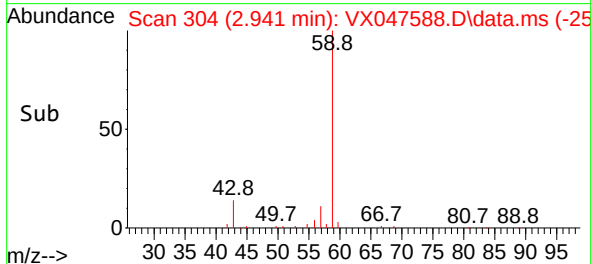
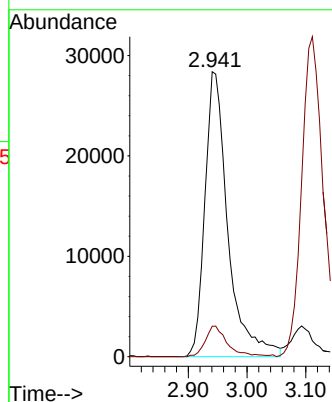
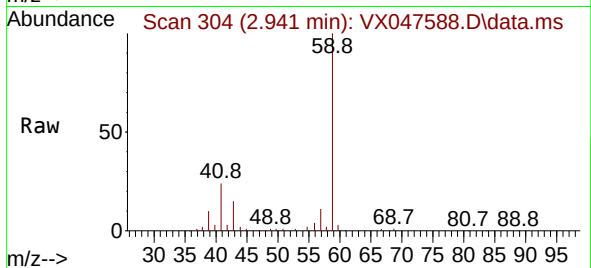




#11
Tert butyl alcohol
Concen: 251.232 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

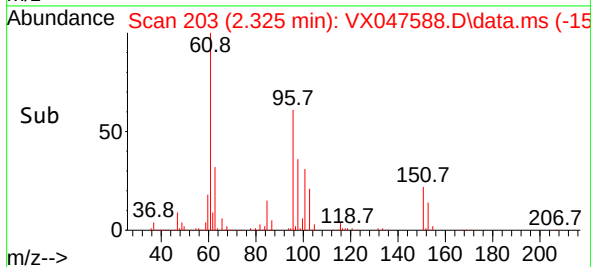
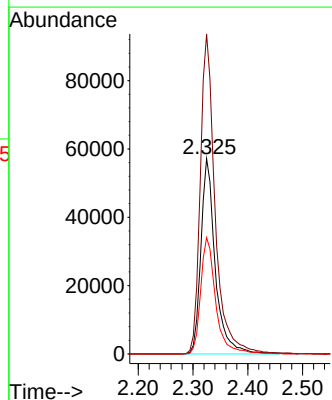
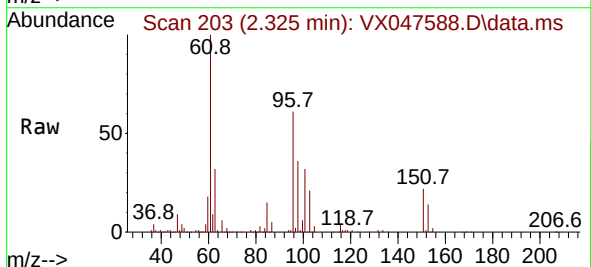
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

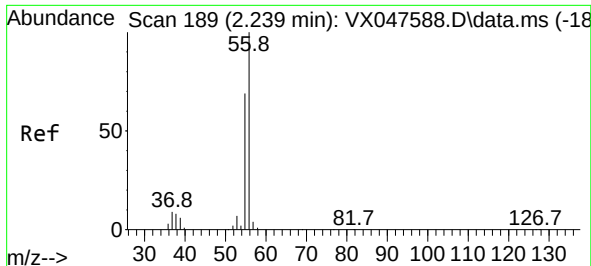
Tgt Ion: 59 Resp: 77232
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5



#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 104724
Ion Ratio Lower Upper
96 100
61 163.8 131.0 196.6
98 59.6 47.7 71.5

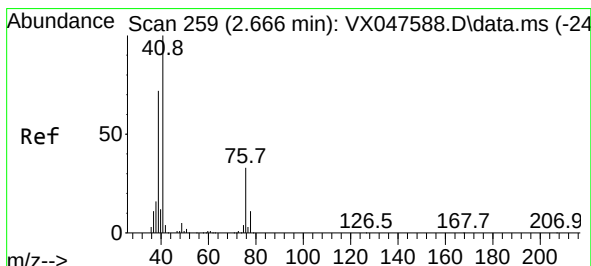
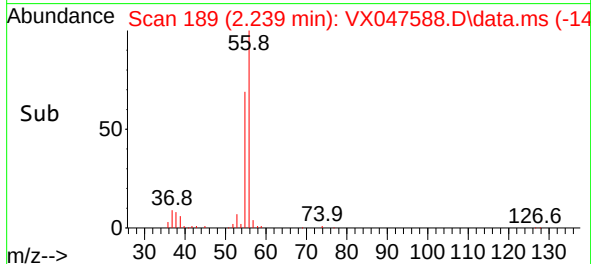
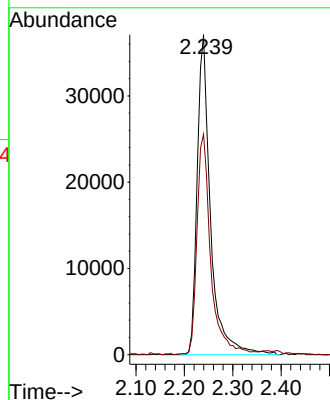
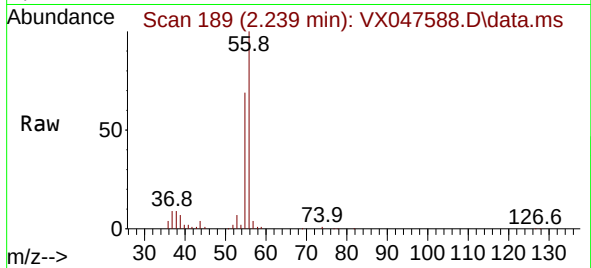




#13
Acrolein
Concen: 249.645 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

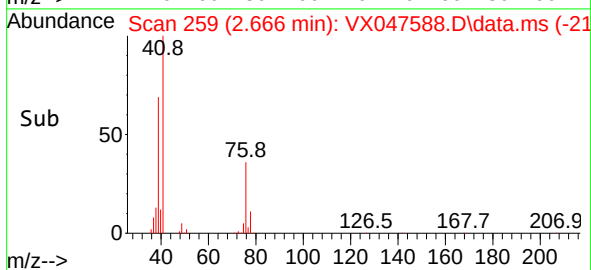
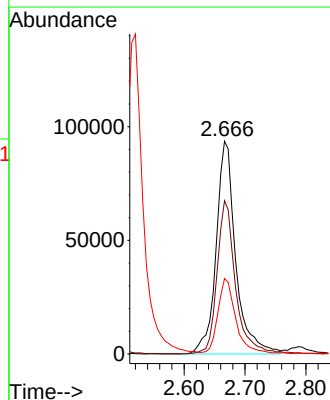
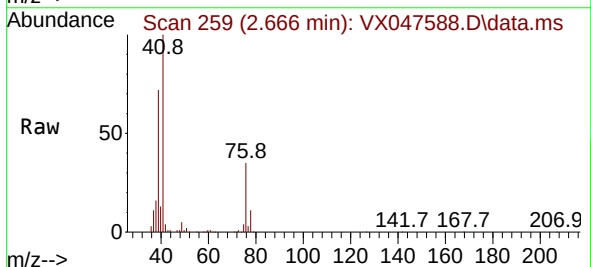
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

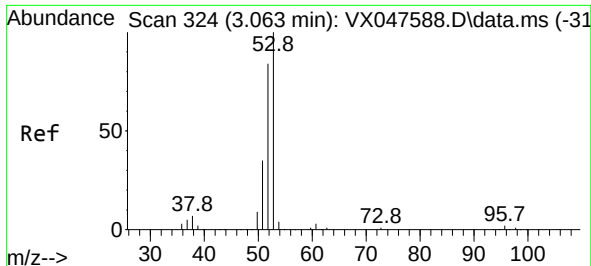
Tgt Ion: 56 Resp: 70721
Ion Ratio Lower Upper
56 100
55 71.5 57.2 85.8



#14
Allyl chloride
Concen: 49.396 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 210001
Ion Ratio Lower Upper
41 100
39 68.4 54.7 82.1
76 32.1 25.7 38.5

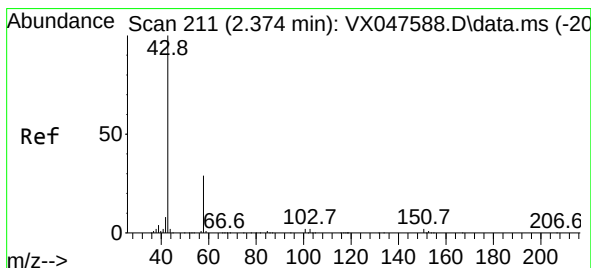
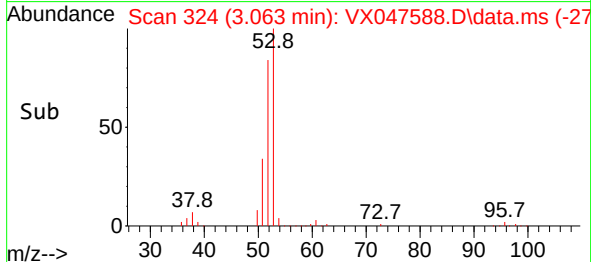
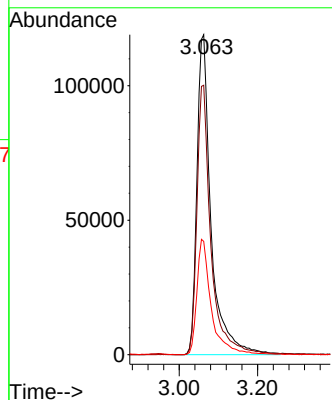
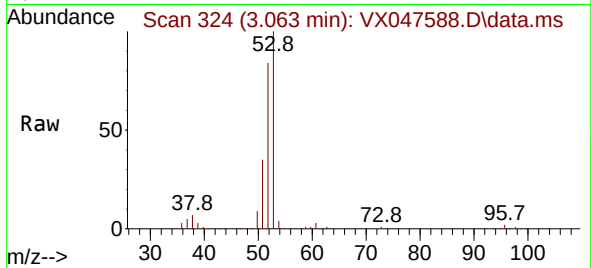




#15
Acrylonitrile
Concen: 264.027 ug/l
RT: 3.063 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

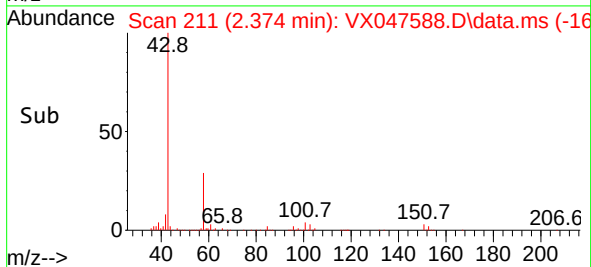
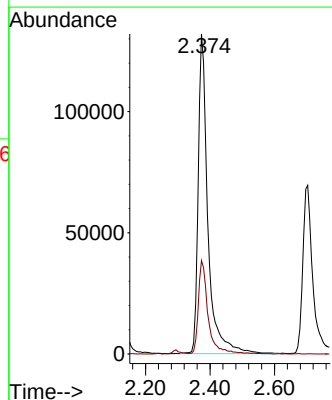
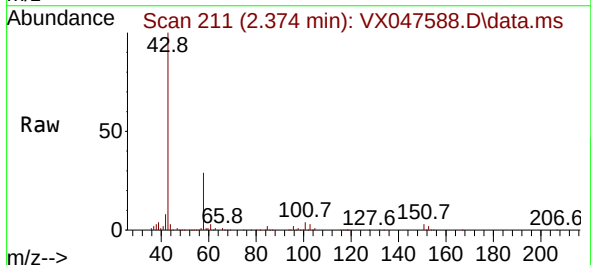
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

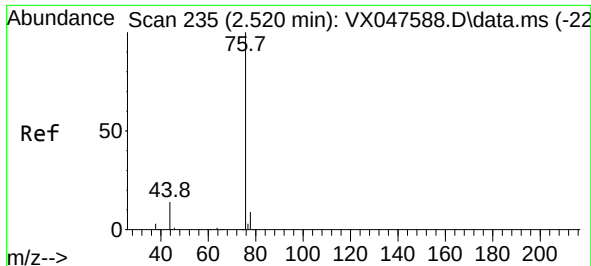
Tgt Ion: 53 Resp: 300642
Ion Ratio Lower Upper
53 100
52 83.0 66.4 99.6
51 36.9 29.5 44.3



#16
Acetone
Concen: 229.193 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 275065
Ion Ratio Lower Upper
43 100
58 29.2 23.4 35.0

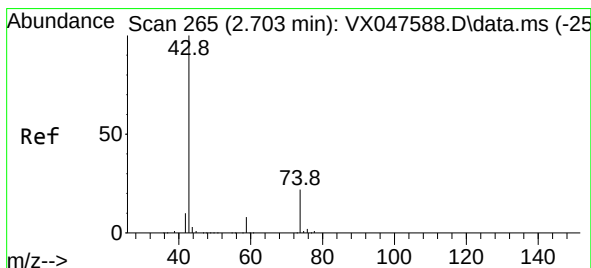
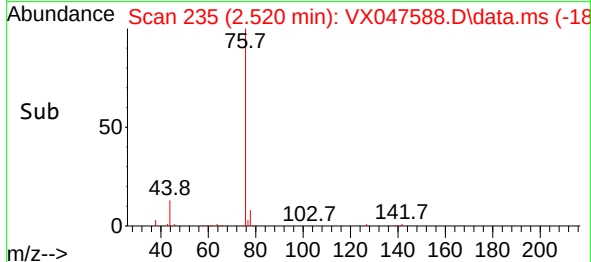
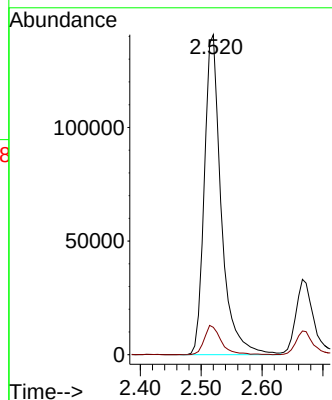
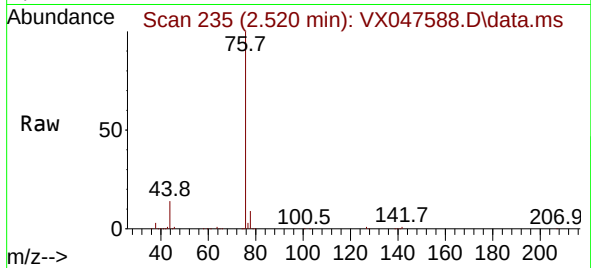




#17
Carbon Disulfide
Concen: 48.133 ug/l
RT: 2.520 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

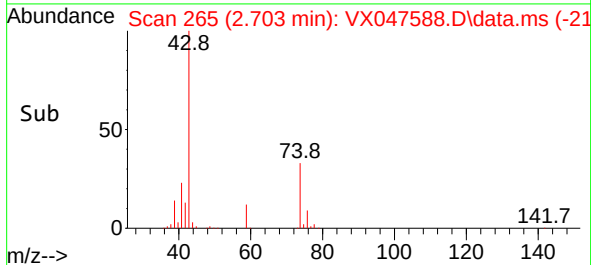
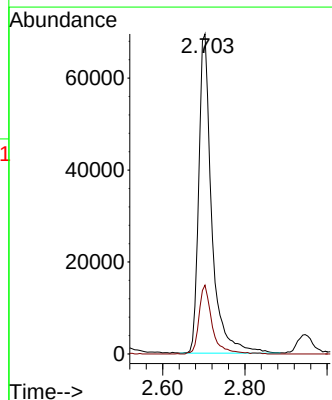
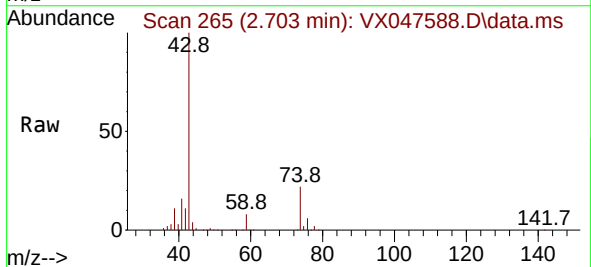
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

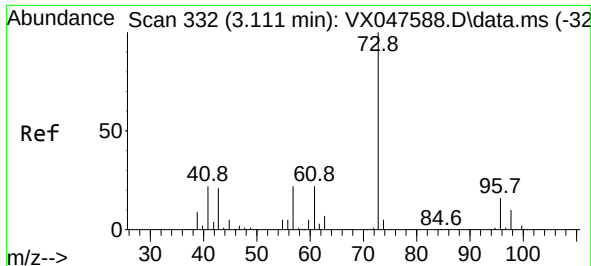
Tgt Ion: 76 Resp: 271480
Ion Ratio Lower Upper
76 100
78 8.5 6.8 10.2



#18
Methyl Acetate
Concen: 56.897 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 151968
Ion Ratio Lower Upper
43 100
74 21.8 17.4 26.2

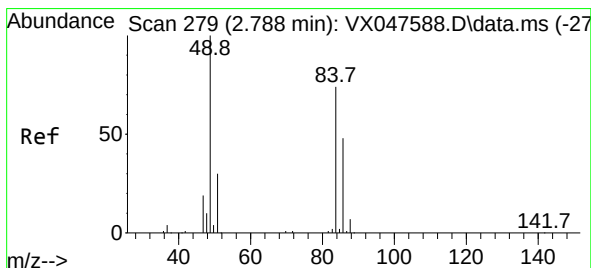
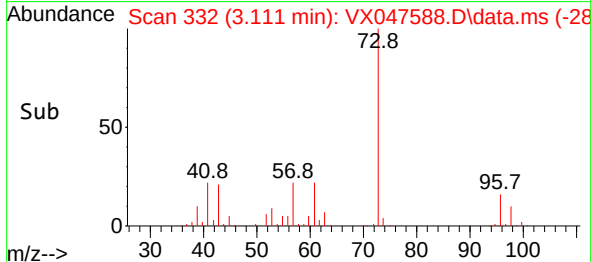
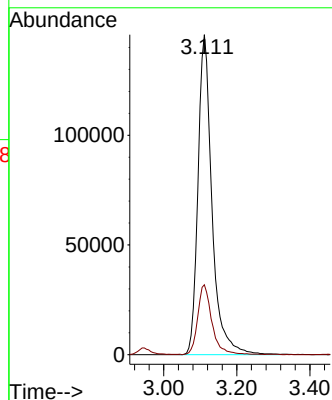
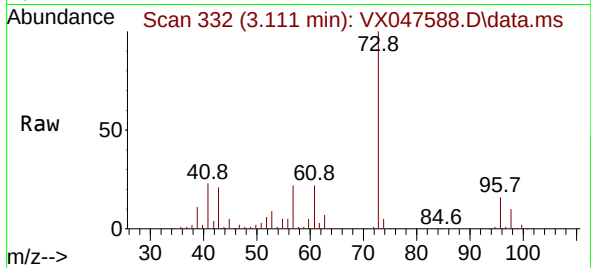




#19
Methyl tert-butyl Ether
Concen: 51.804 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

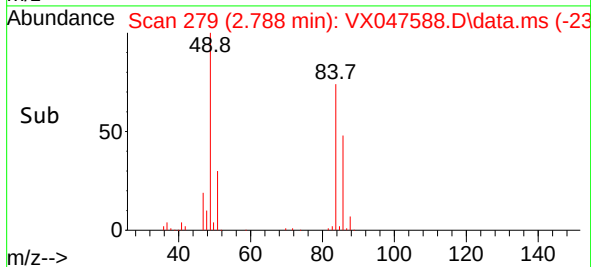
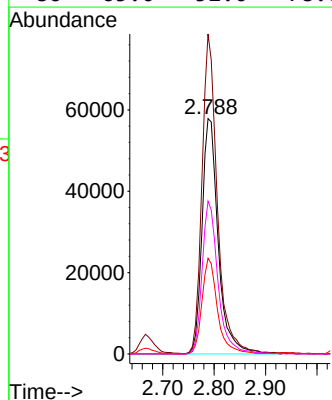
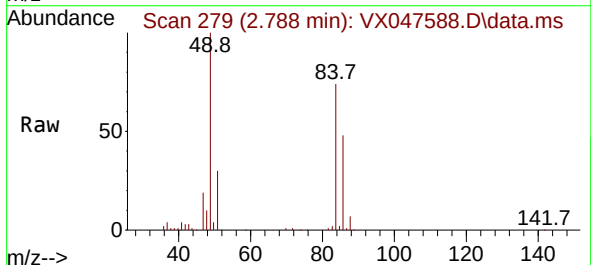
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

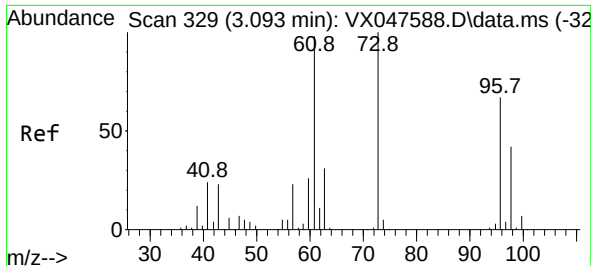
Tgt Ion: 73 Resp: 389607
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.2



#20
Methylene Chloride
Concen: 49.798 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 84 Resp: 126506
Ion Ratio Lower Upper
84 100
49 135.7 108.6 162.8
51 40.7 32.6 48.8
86 65.0 52.0 78.0

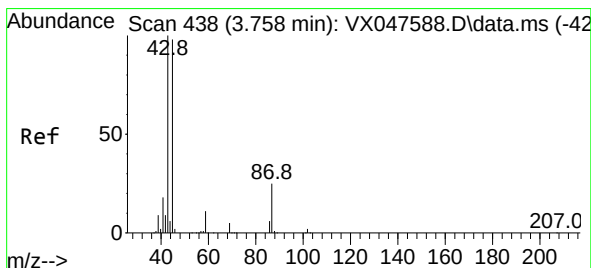
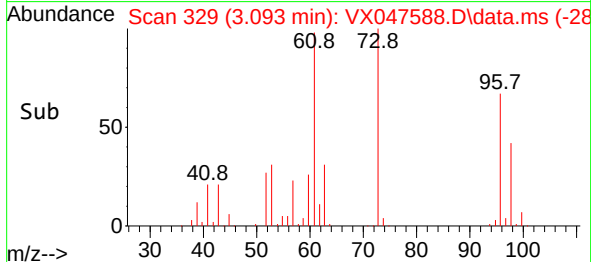
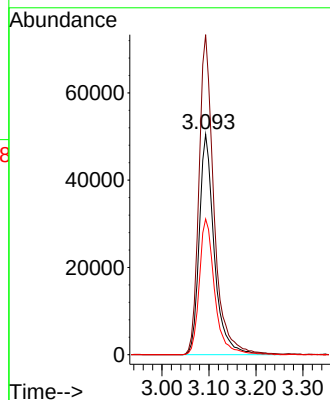
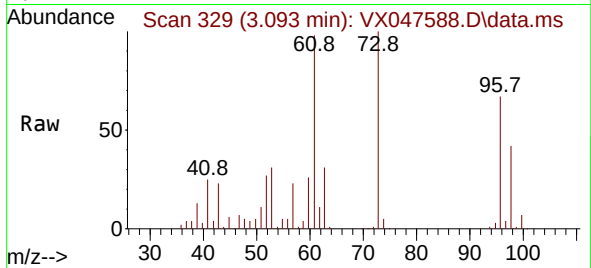




#21
trans-1,2-Dichloroethene
Concen: 50.743 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

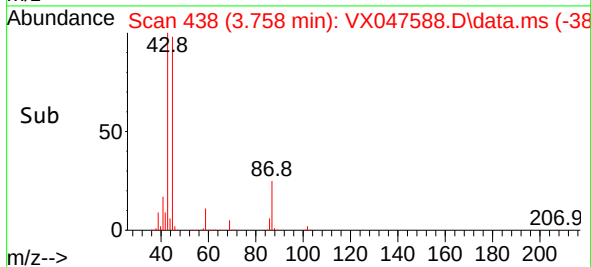
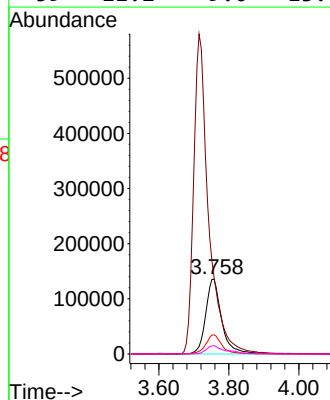
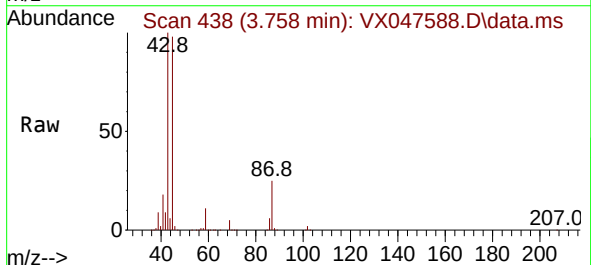
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

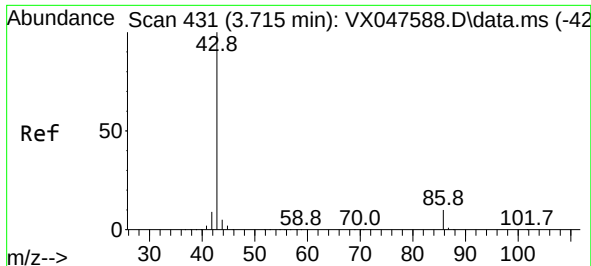
Tgt Ion: 96 Resp: 112553
Ion Ratio Lower Upper
96 100
61 145.2 116.2 174.2
98 61.6 49.3 73.9



#22
Diisopropyl ether
Concen: 52.131 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 45 Resp: 429524
Ion Ratio Lower Upper
45 100
43 101.2 81.0 121.4
87 25.4 20.3 30.5
59 11.2 9.0 13.4

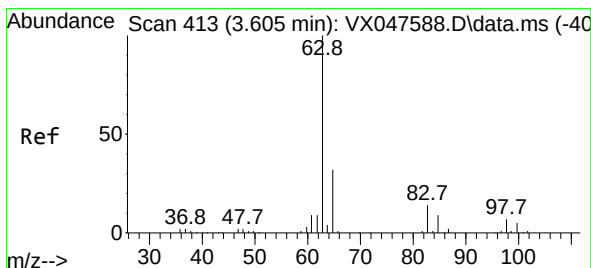
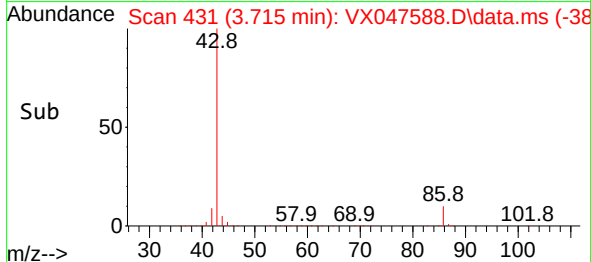
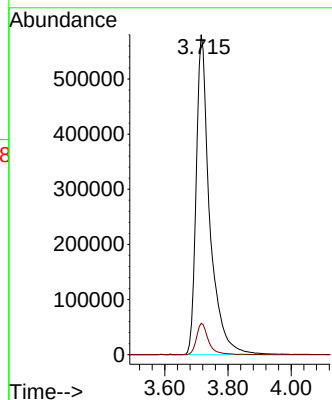
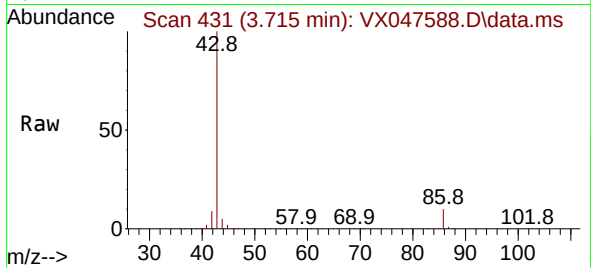




#23
 Vinyl Acetate
 Concen: 261.852 ug/l
 RT: 3.715 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX047588.D
 Acq: 16 Sep 2025 10:58

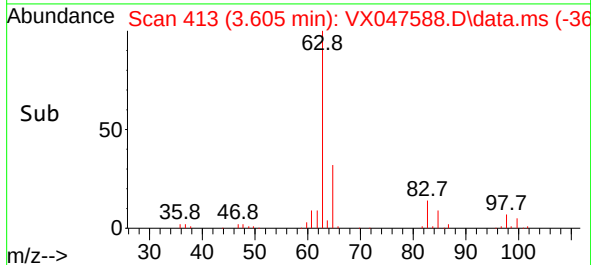
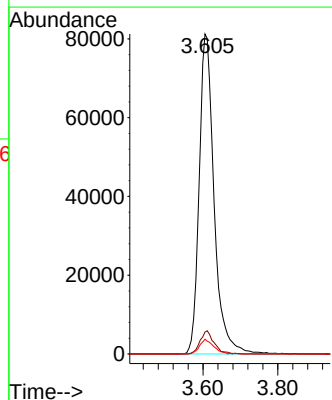
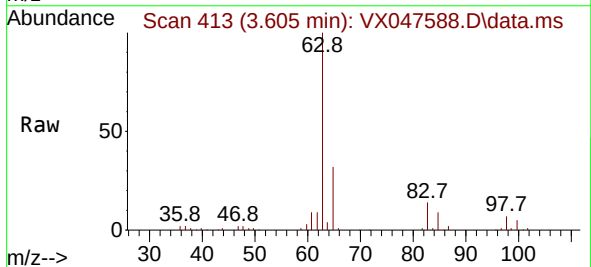
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

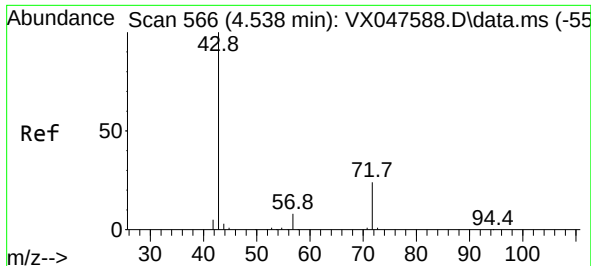
Tgt Ion: 43 Resp: 1726735
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 51.338 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX047588.D
 Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 224824
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.8 11.2
 100 4.6 2.3 6.9

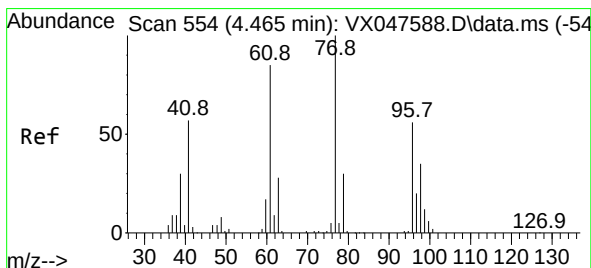
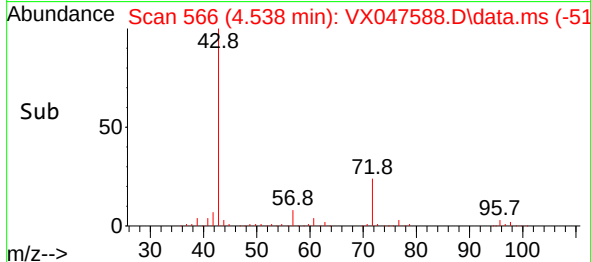
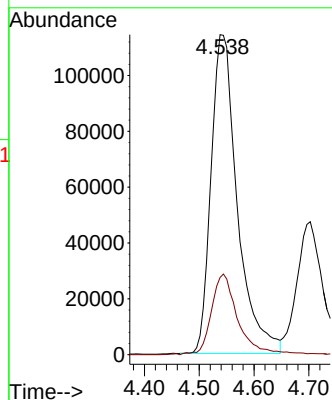
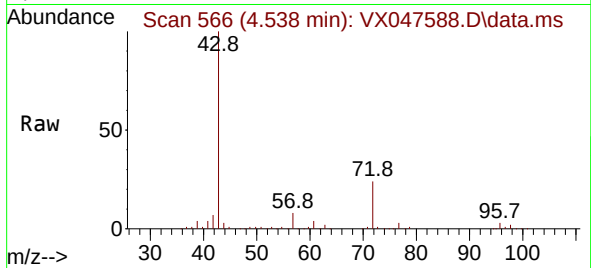




#25
2-Butanone
Concen: 254.060 ug/l
RT: 4.538 min Scan# 566
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

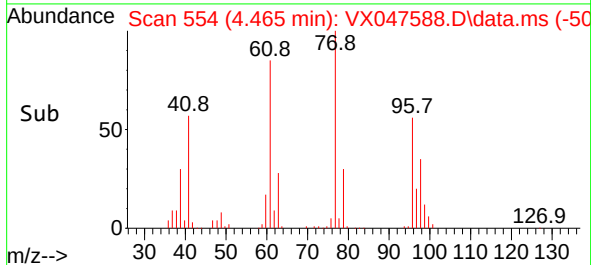
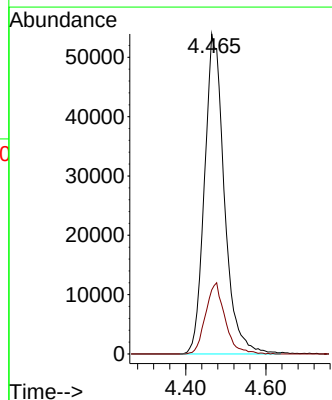
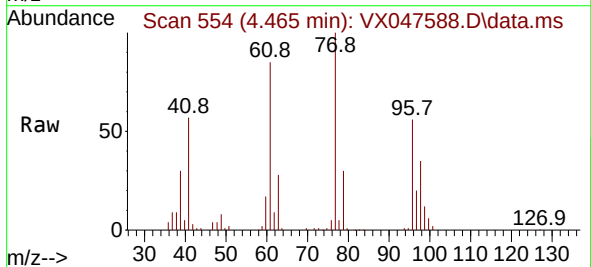
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

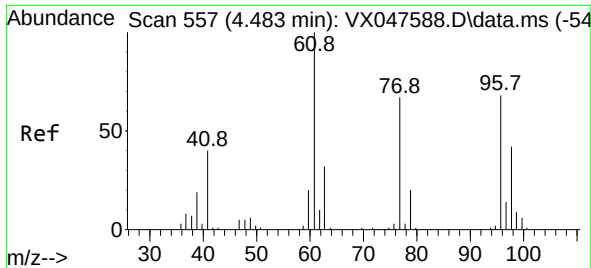
Tgt Ion: 43 Resp: 380335
Ion Ratio Lower Upper
43 100
72 25.1 20.1 30.1



#26
2,2-Dichloropropane
Concen: 50.888 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 77 Resp: 185247
Ion Ratio Lower Upper
77 100
97 21.8 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 51.576 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

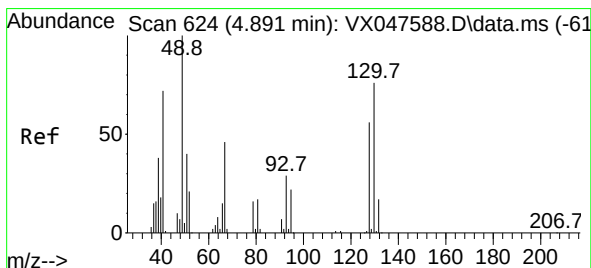
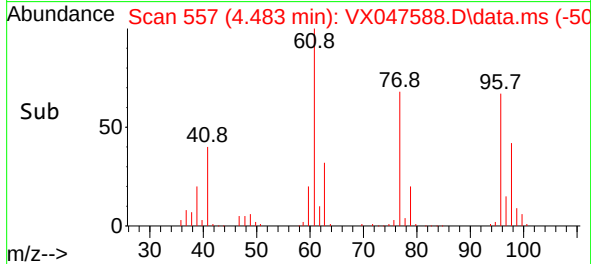
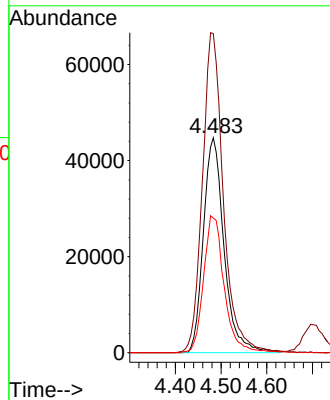
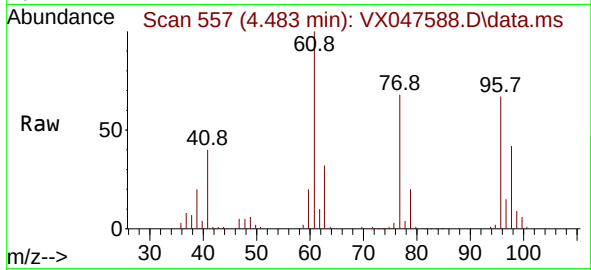
Tgt Ion: 96 Resp: 140105

Ion Ratio Lower Upper

96 100

61 151.6 0.0 303.2

98 63.9 0.0 127.8



#28

Bromochloromethane

Concen: 52.301 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

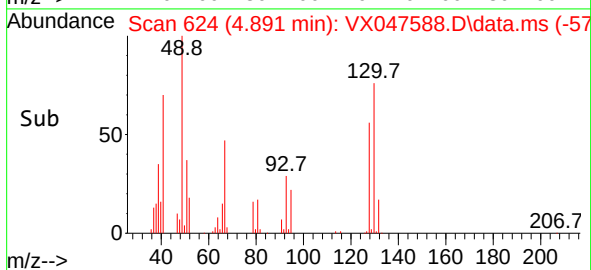
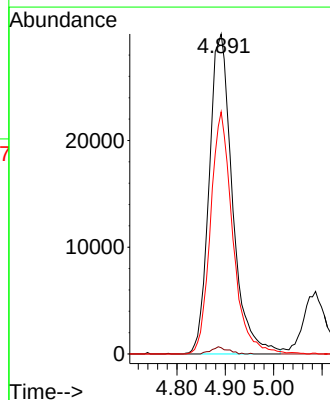
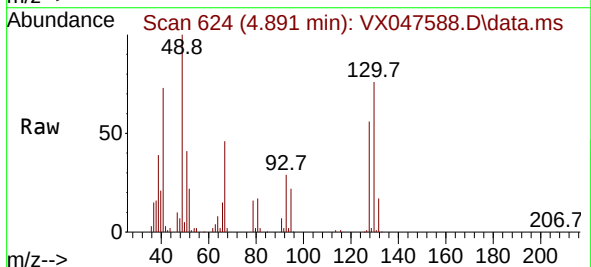
Tgt Ion: 49 Resp: 99991

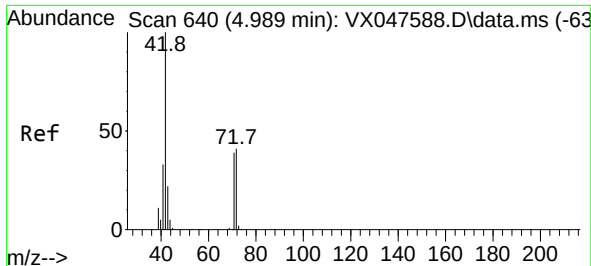
Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.2

130 72.3 57.8 86.8





#29

Tetrahydrofuran

Concen: 265.026 ug/l

RT: 4.989 min Scan# 640

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

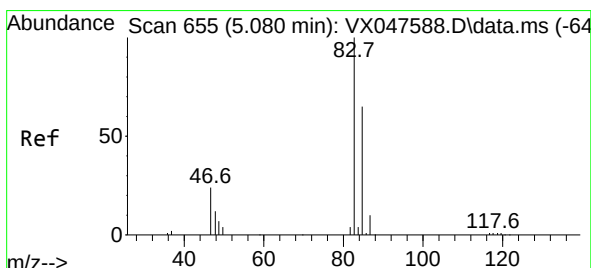
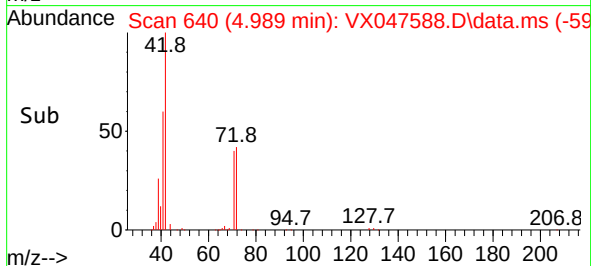
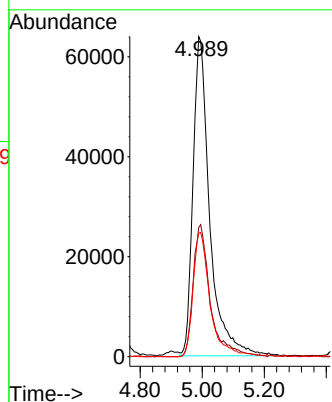
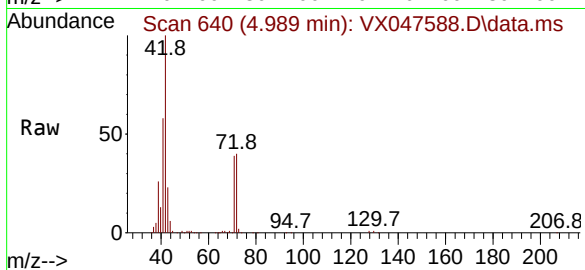
Tgt Ion: 42 Resp: 238677

Ion Ratio Lower Upper

42 100

72 42.7 34.2 51.2

71 39.9 31.9 47.9



#30

Chloroform

Concen: 51.844 ug/l

RT: 5.080 min Scan# 655

Delta R.T. 0.000 min

Lab File: VX047588.D

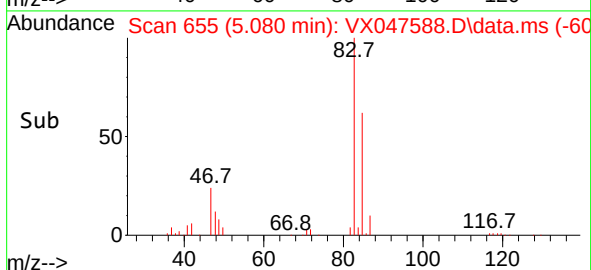
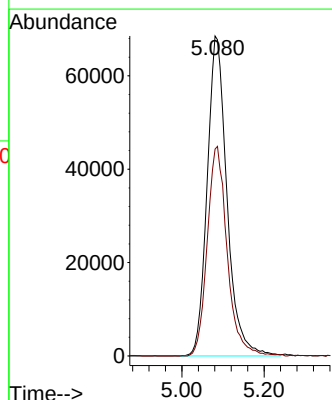
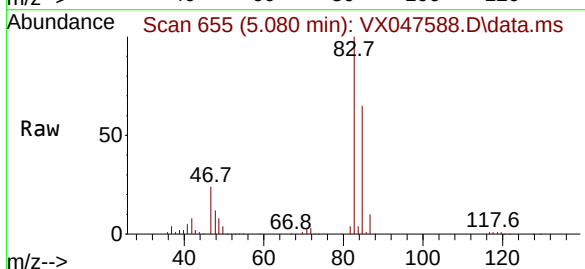
Acq: 16 Sep 2025 10:58

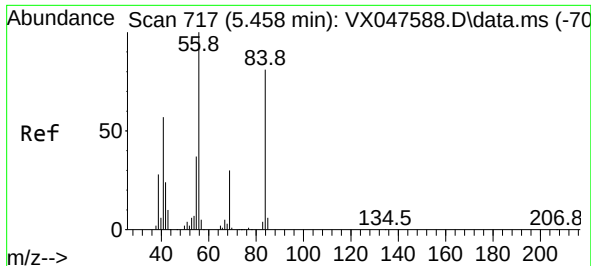
Tgt Ion: 83 Resp: 229430

Ion Ratio Lower Upper

83 100

85 64.7 51.8 77.6

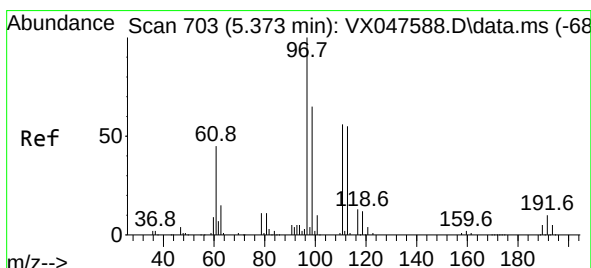
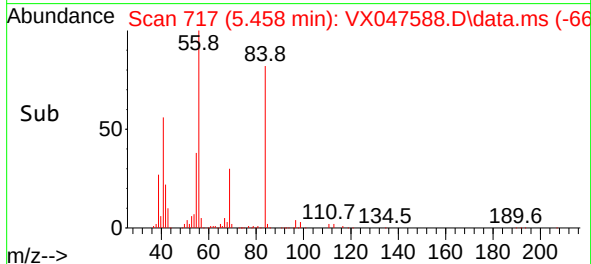
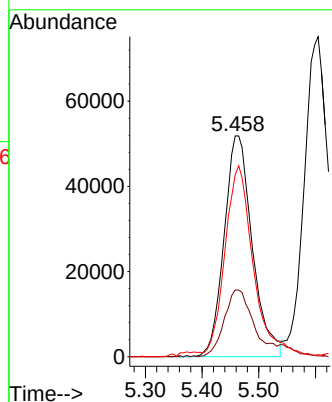
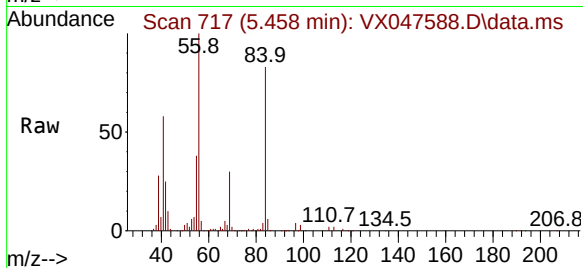




#31
Cyclohexane
Concen: 48.952 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

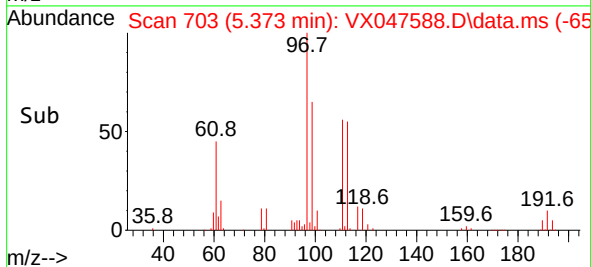
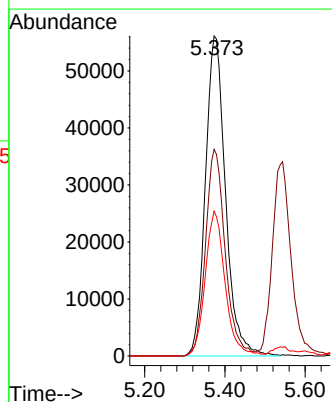
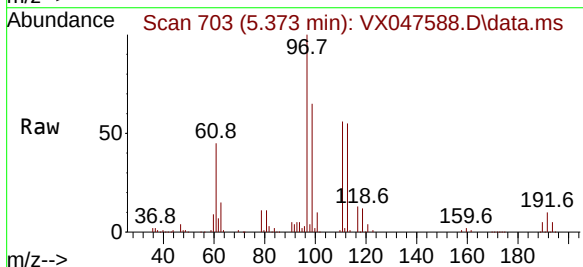
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

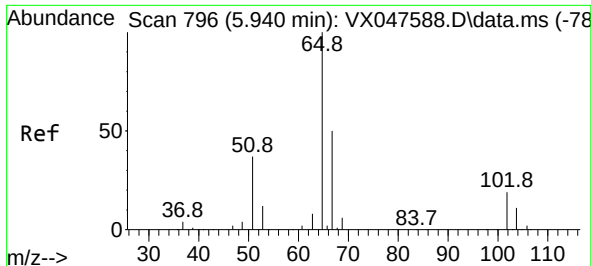
Tgt Ion:	56	Resp:	178546
Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.8	35.8
84	80.8	64.6	97.0



#32
1,1,1-Trichloroethane
Concen: 52.058 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:	97	Resp:	195407
Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.6	76.0
61	44.8	35.8	53.8

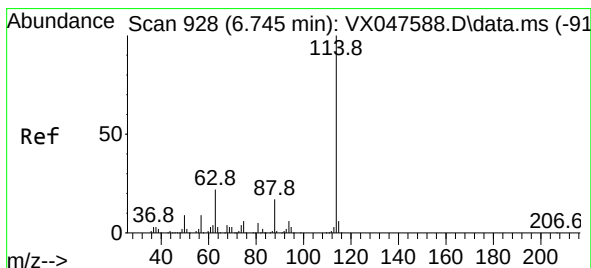
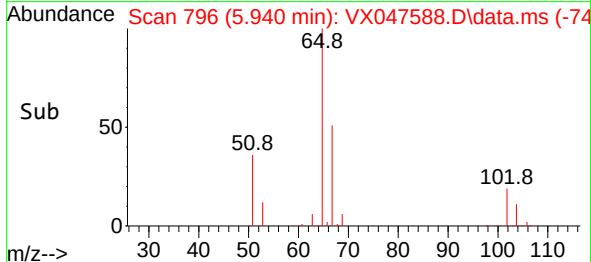
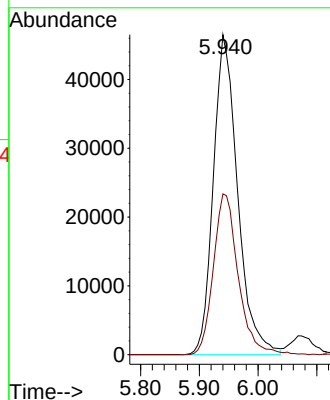
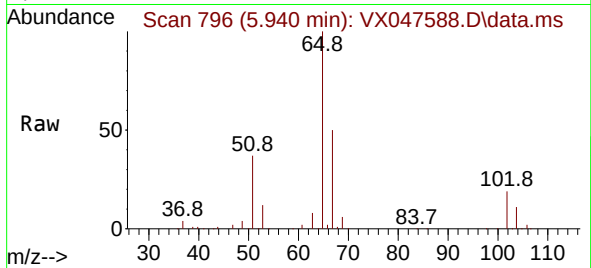




#33
 1,2-Dichloroethane-d4
 Concen: 48.404 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX047588.D
 Acq: 16 Sep 2025 10:58

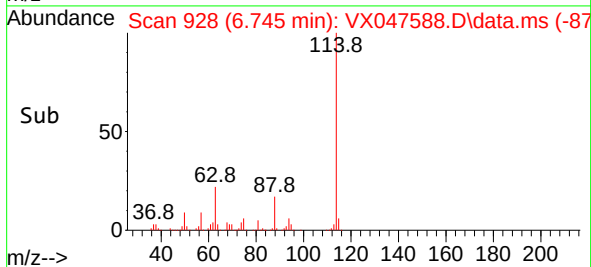
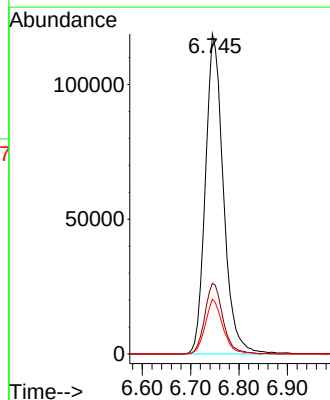
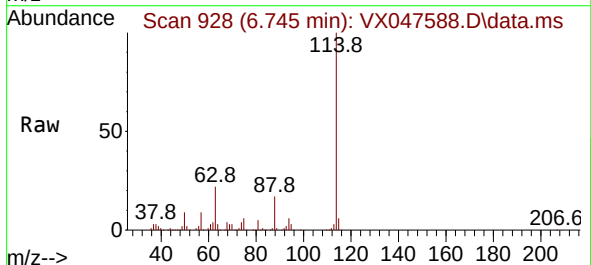
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

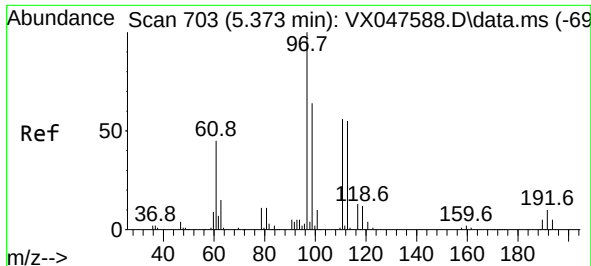
Tgt Ion: 65 Resp: 133606
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. 0.000 min
 Lab File: VX047588.D
 Acq: 16 Sep 2025 10:58

Tgt Ion: 114 Resp: 307383
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.0
 88 17.1 0.0 34.2

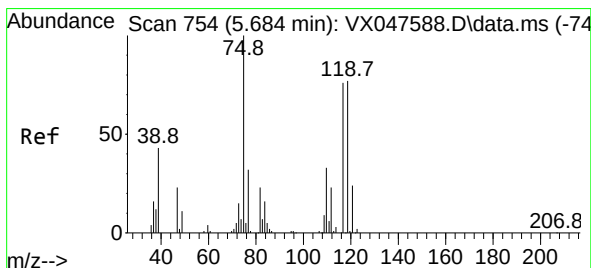
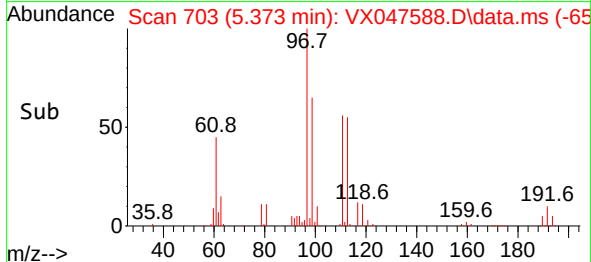
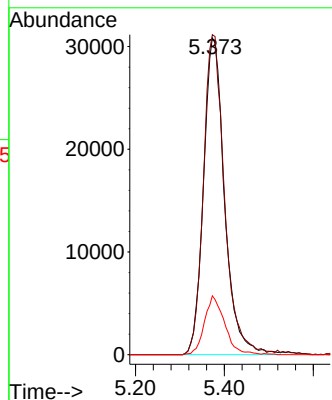
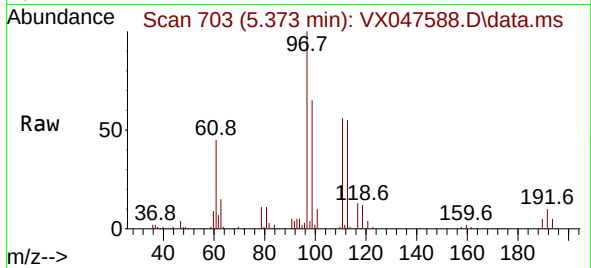




#35
Dibromofluoromethane
Concen: 49.298 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

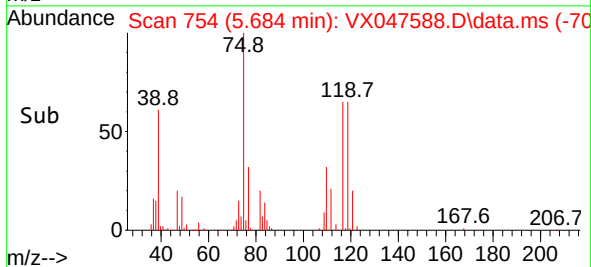
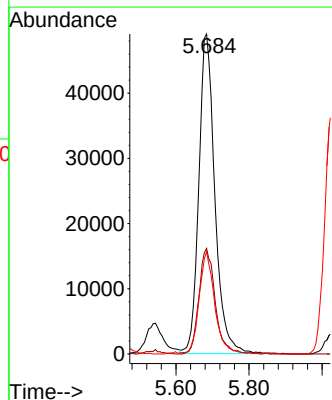
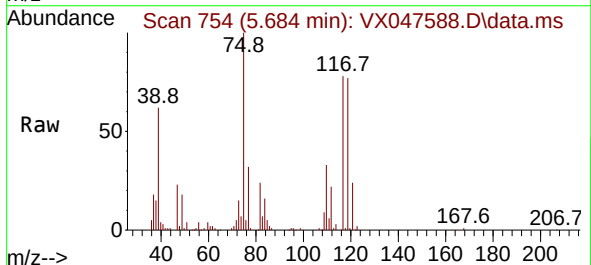
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

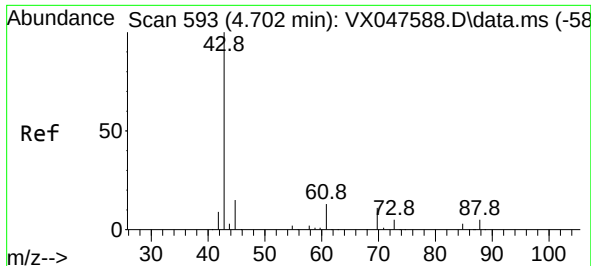
Tgt Ion:113 Resp: 101627
Ion Ratio Lower Upper
113 100
111 101.1 80.9 121.3
192 17.8 14.2 21.4



#36
1,1-Dichloropropene
Concen: 49.729 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 149800
Ion Ratio Lower Upper
75 100
110 33.4 16.7 50.1
77 30.4 24.3 36.5





#37

Ethyl Acetate

Concen: 50.687 ug/l

RT: 4.702 min Scan# 593

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

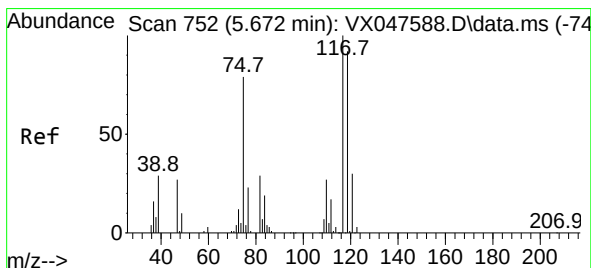
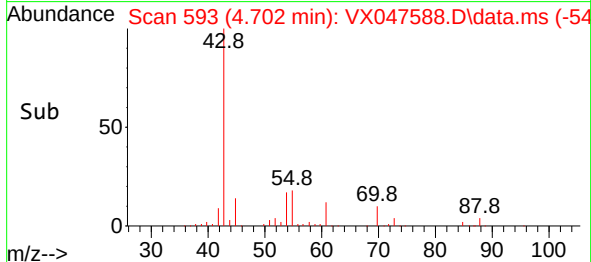
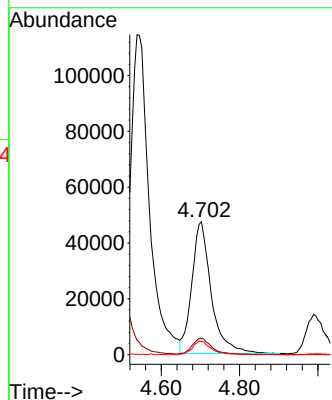
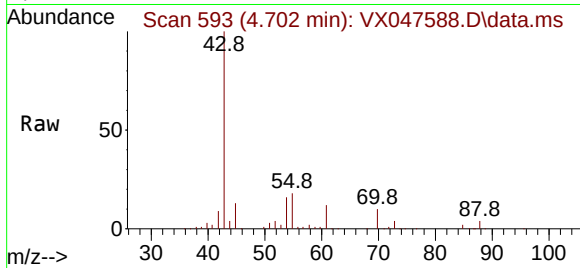
Tgt Ion: 43 Resp: 163482

Ion Ratio Lower Upper

43 100

61 12.3 9.8 14.8

70 9.9 7.9 11.9



#38

Carbon Tetrachloride

Concen: 50.637 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

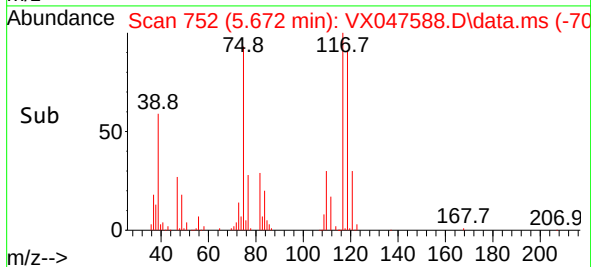
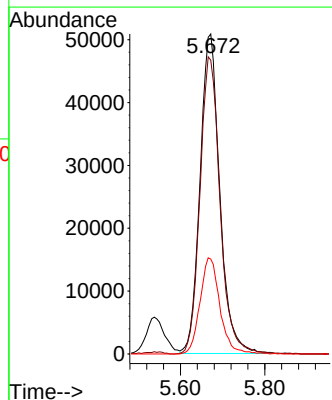
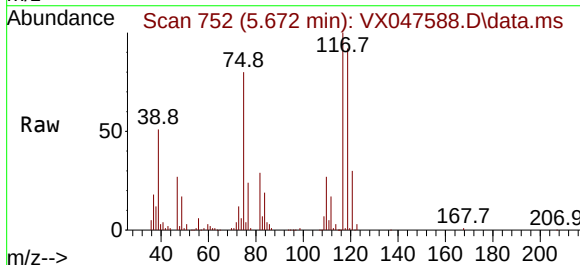
Tgt Ion: 117 Resp: 165730

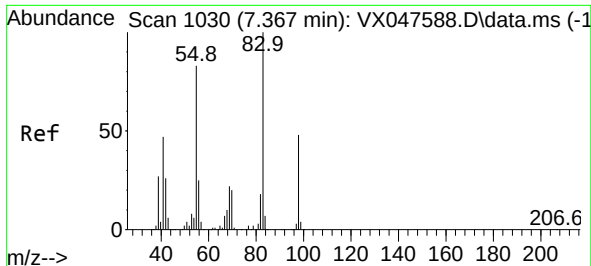
Ion Ratio Lower Upper

117 100

119 91.8 73.4 110.2

121 29.7 23.8 35.6

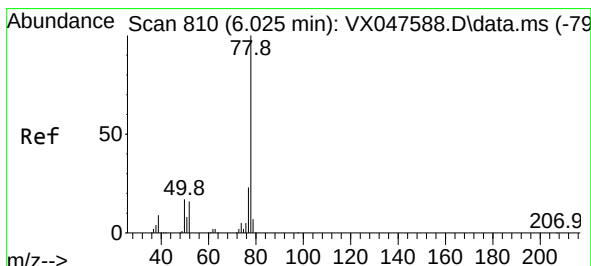
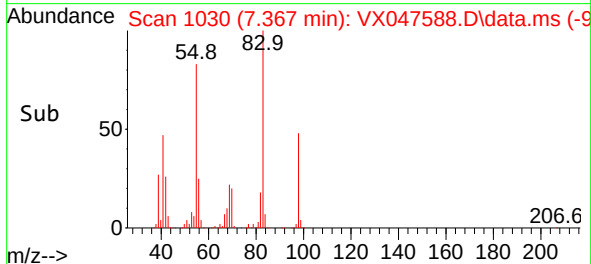
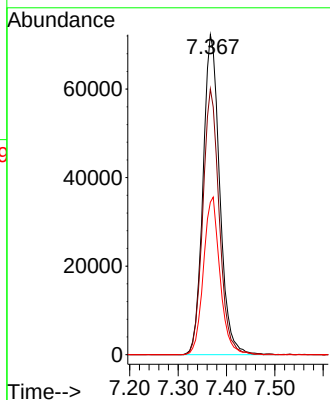
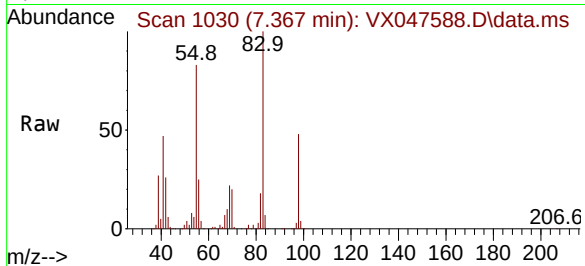




#39
Methylcyclohexane
Concen: 50.773 ug/l
RT: 7.367 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

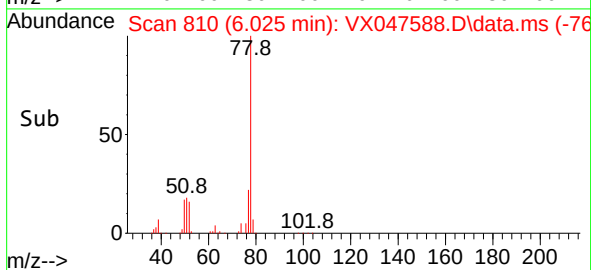
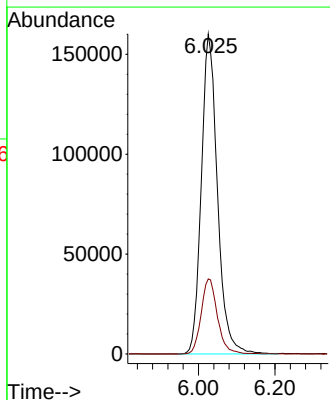
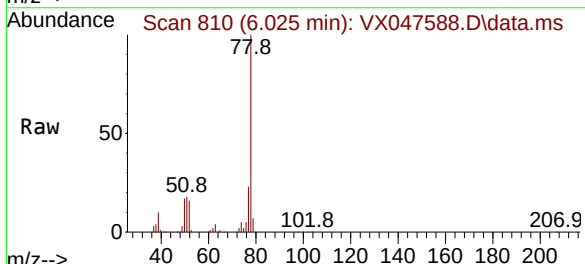
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

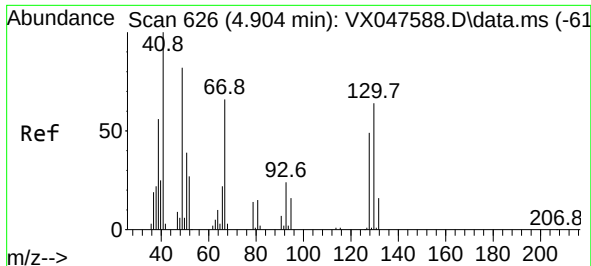
Tgt Ion: 83 Resp: 173610
Ion Ratio Lower Upper
83 100
55 83.0 66.4 99.6
98 47.6 38.1 57.1



#40
Benzene
Concen: 51.167 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 78 Resp: 468136
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

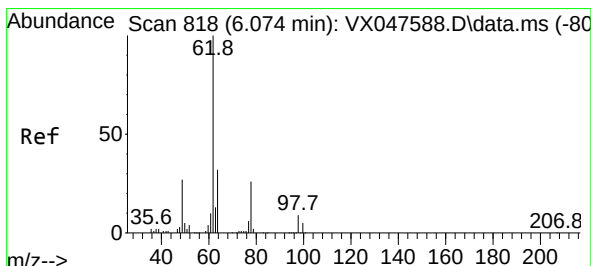
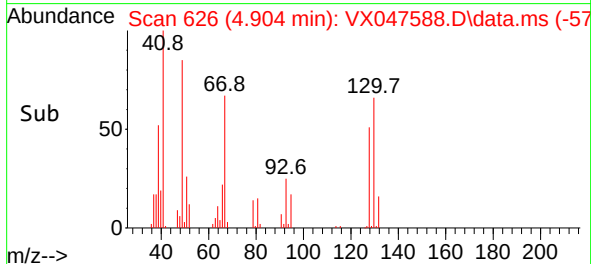
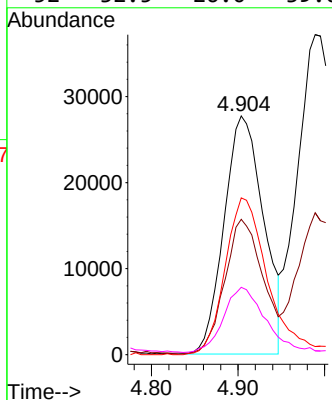
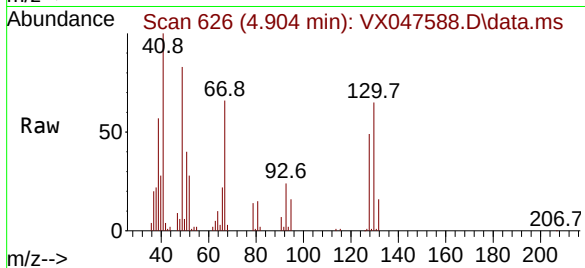




#41
Methacrylonitrile
Concen: 52.707 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

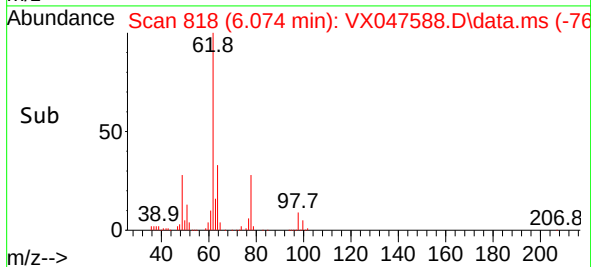
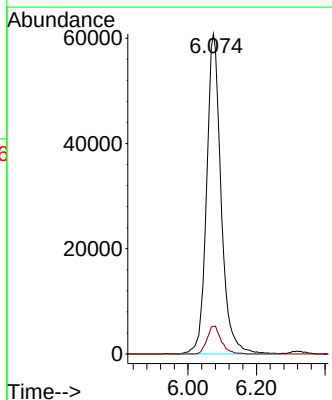
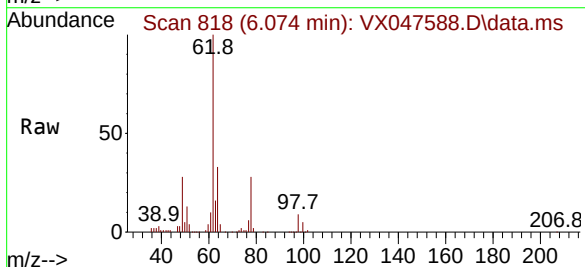
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

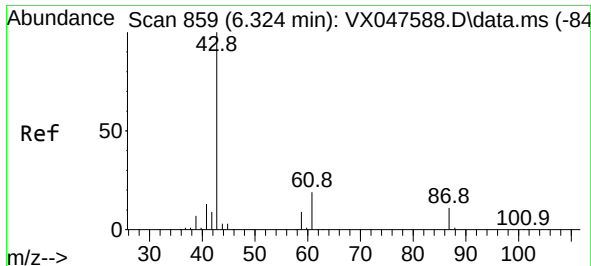
Tgt Ion:	41	Resp:	87761
Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	73.2	58.6	87.8
52	32.5	26.0	39.0



#42
1,2-Dichloroethane
Concen: 51.431 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:	62	Resp:	179037
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0

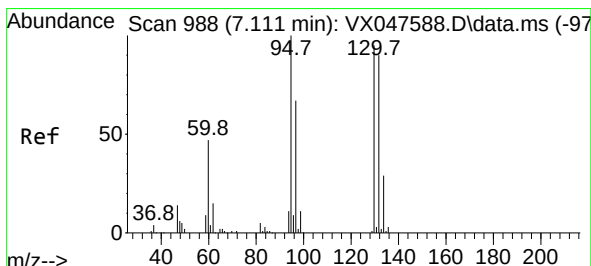
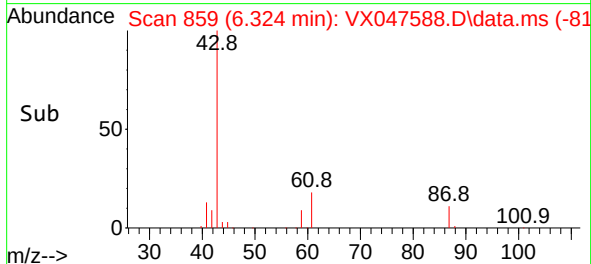
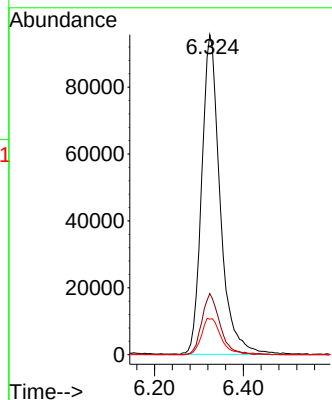
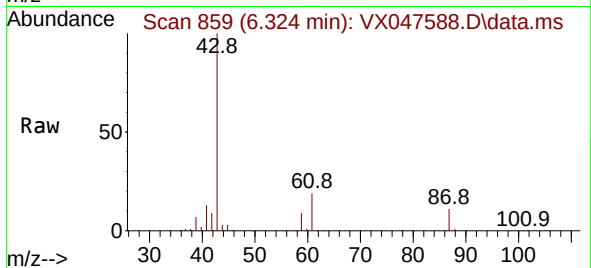




#43
Isopropyl Acetate
Concen: 52.096 ug/l
RT: 6.324 min Scan# 859
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

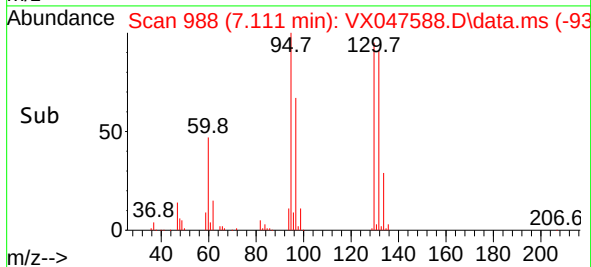
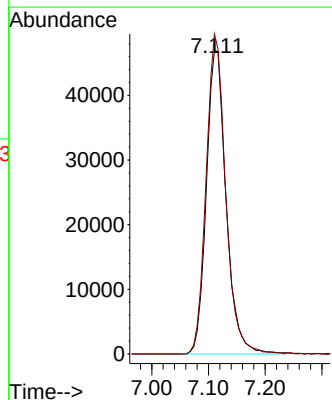
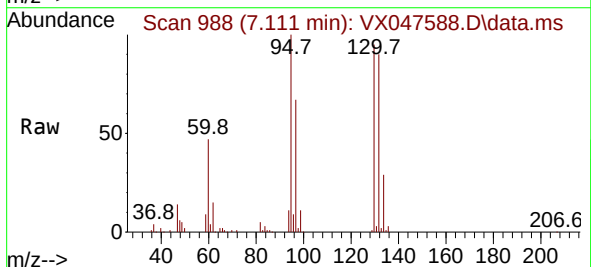
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

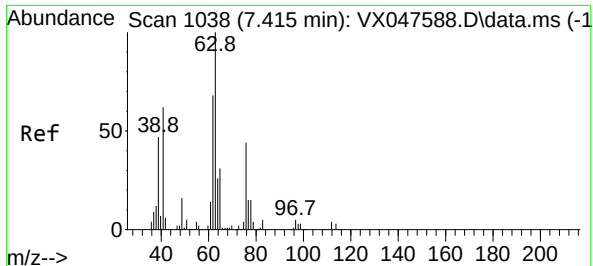
Tgt Ion: 43 Resp: 275572
Ion Ratio Lower Upper
43 100
61 19.0 15.2 22.8
87 12.0 9.6 14.4



#44
Trichloroethene
Concen: 51.463 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 130 Resp: 113832
Ion Ratio Lower Upper
130 100
95 105.4 0.0 210.8





#45

1,2-Dichloropropane

Concen: 52.122 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

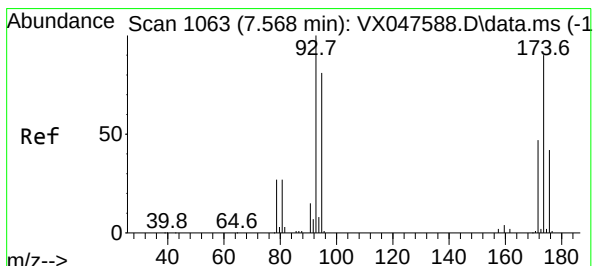
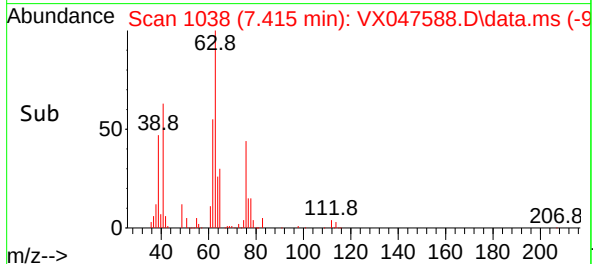
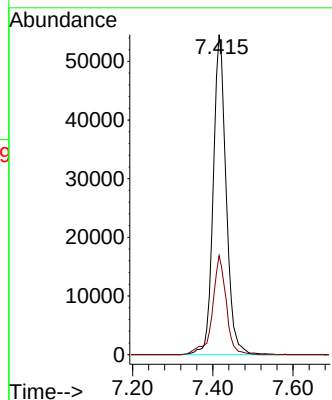
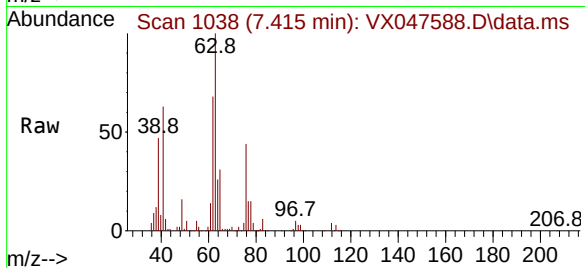
VSTDICCC050

Tgt Ion: 63 Resp: 122109

Ion Ratio Lower Upper

63 100

65 30.9 24.7 37.1



#46

Dibromomethane

Concen: 51.914 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

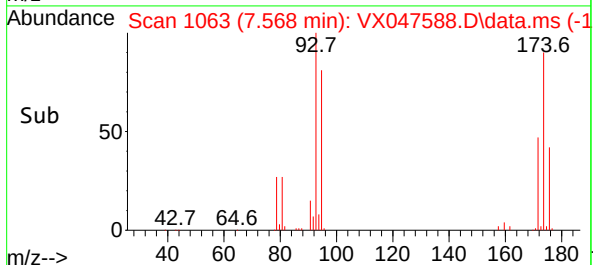
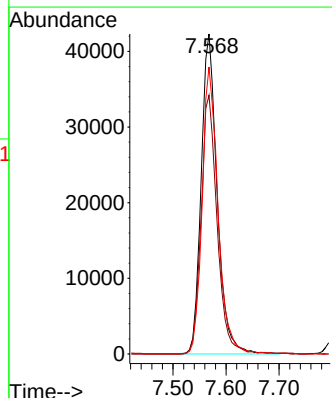
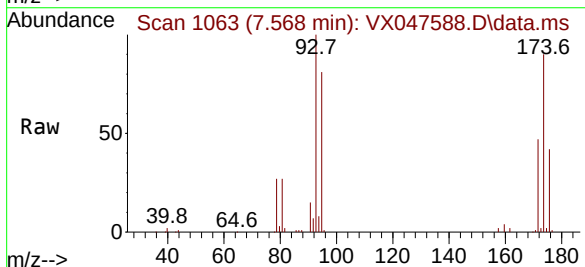
Tgt Ion: 93 Resp: 88505

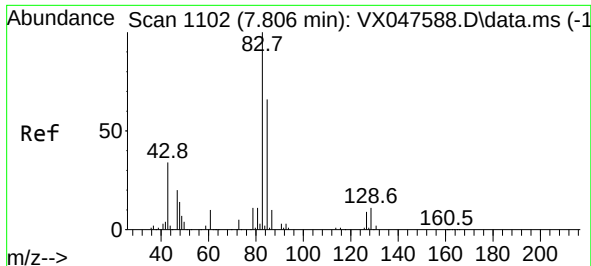
Ion Ratio Lower Upper

93 100

95 81.3 65.0 97.6

174 89.5 71.6 107.4

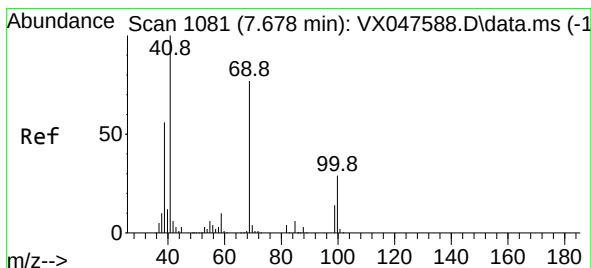
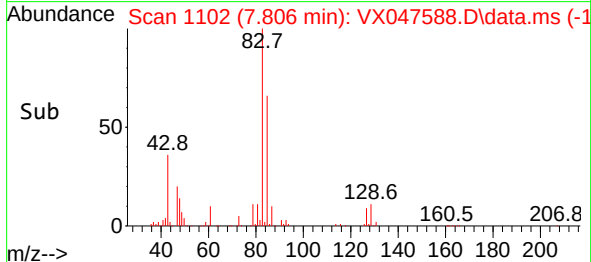
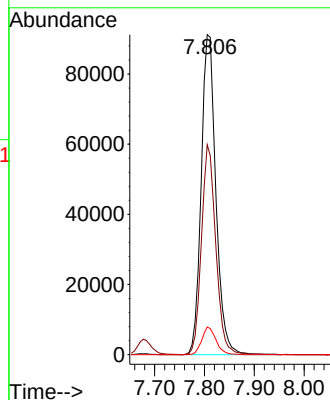
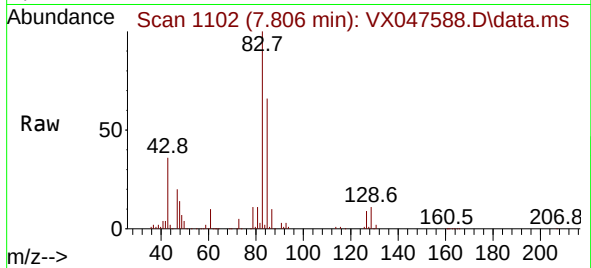




#47
Bromodichloromethane
Concen: 53.025 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

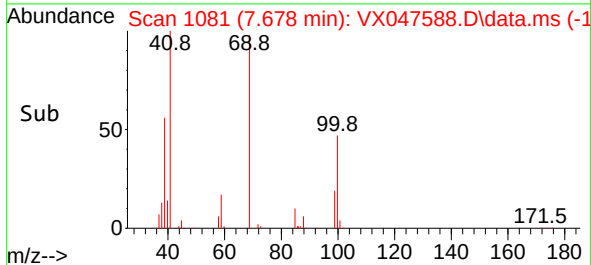
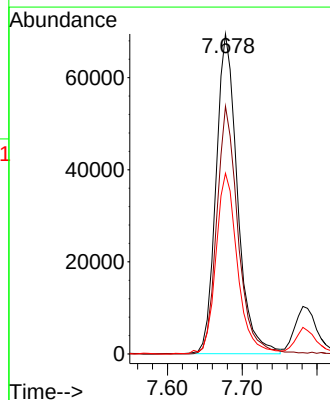
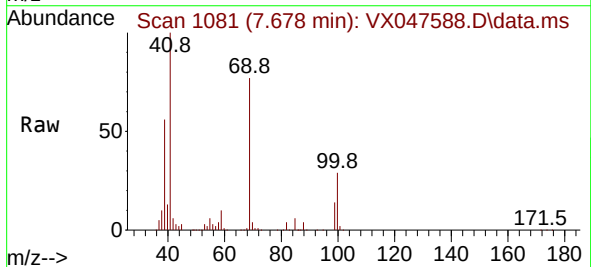
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

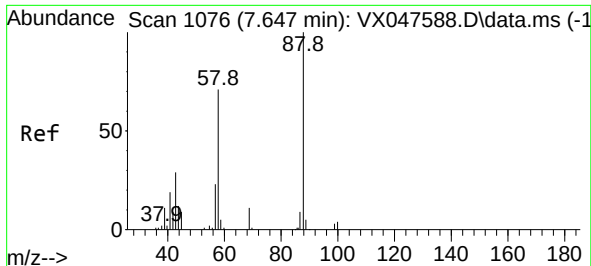
Tgt Ion: 83 Resp: 186540
Ion Ratio Lower Upper
83 100
85 65.6 52.5 78.7
127 8.6 6.9 10.3



#48
Methyl methacrylate
Concen: 52.438 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 138167
Ion Ratio Lower Upper
41 100
69 76.8 61.4 92.2
39 57.2 45.8 68.6





#49

1,4-Dioxane

Concen: 1107.698 ug/l

RT: 7.647 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

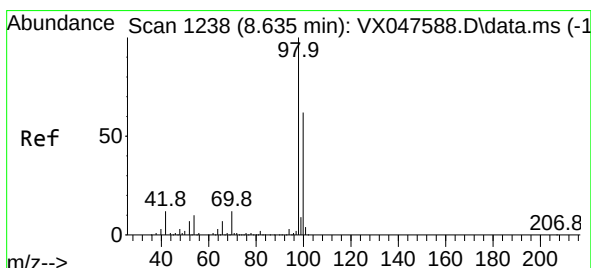
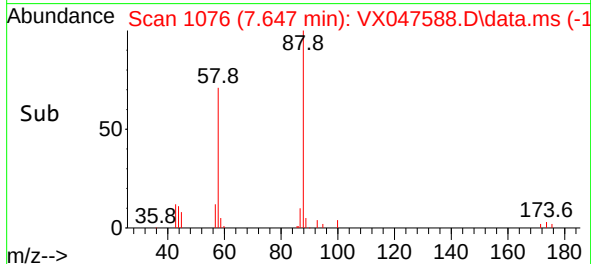
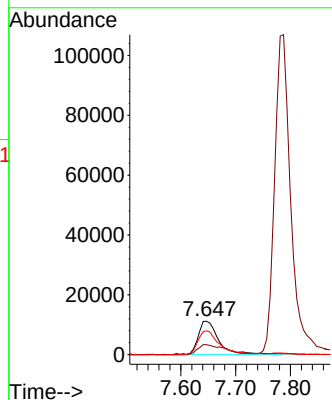
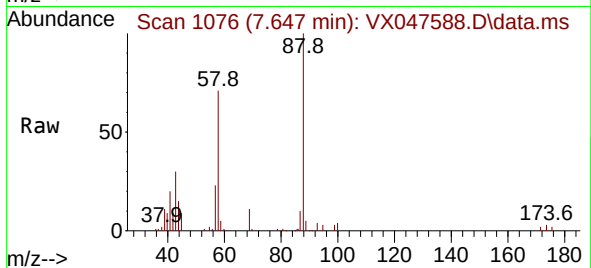
Tgt Ion: 88 Resp: 29496

Ion Ratio Lower Upper

88 100

43 37.7 30.2 45.2

58 74.4 59.5 89.3



#50

Toluene-d8

Concen: 49.428 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VX047588.D

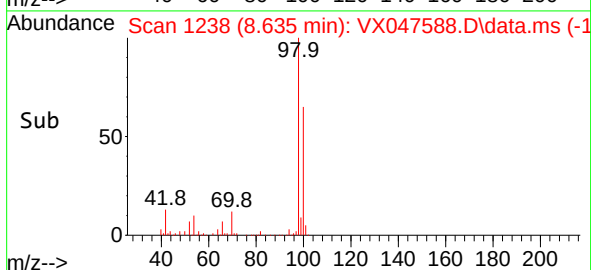
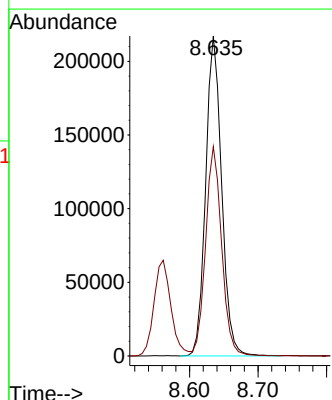
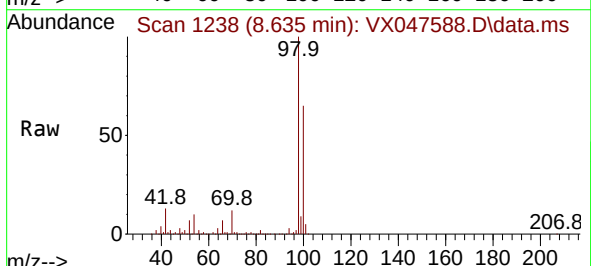
Acq: 16 Sep 2025 10:58

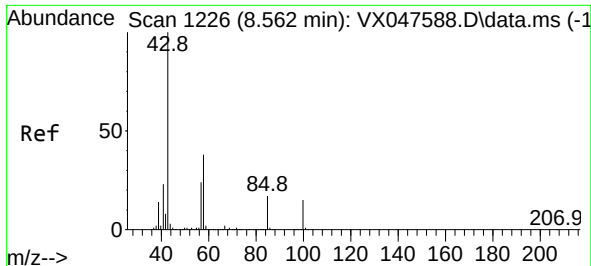
Tgt Ion: 98 Resp: 352578

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.4

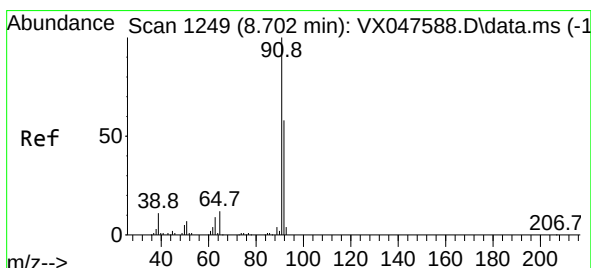
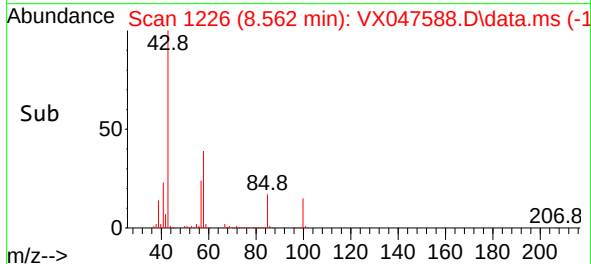
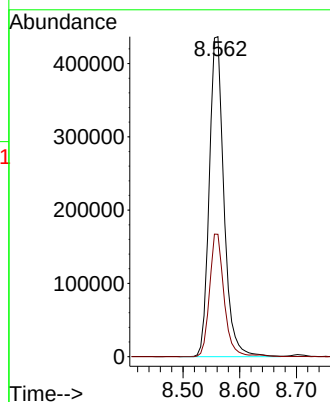
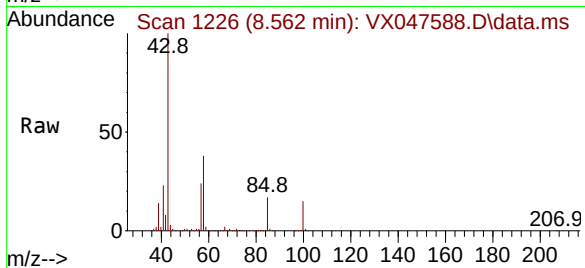




#51
4-Methyl-2-Pentanone
Concen: 267.650 ug/l
RT: 8.562 min Scan# 1226
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

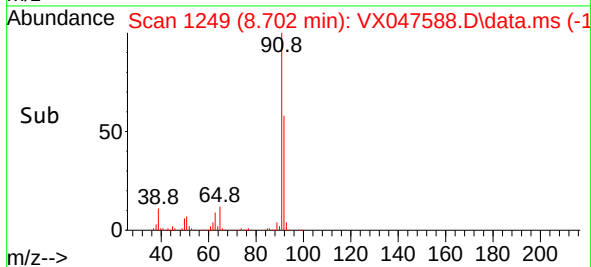
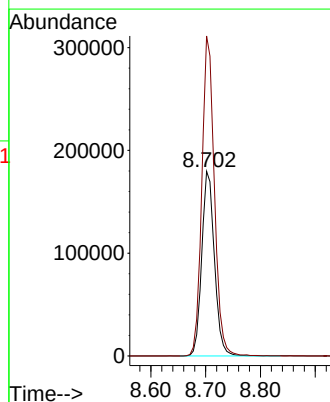
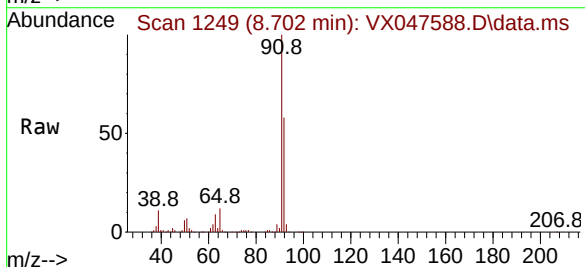
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

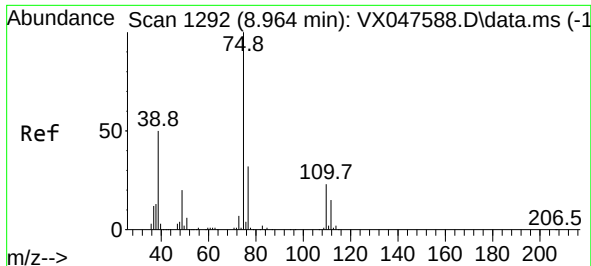
Tgt Ion: 43 Resp: 784978
Ion Ratio Lower Upper
43 100
58 37.9 30.3 45.5



#52
Toluene
Concen: 51.244 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 92 Resp: 288853
Ion Ratio Lower Upper
92 100
91 171.4 137.1 205.7

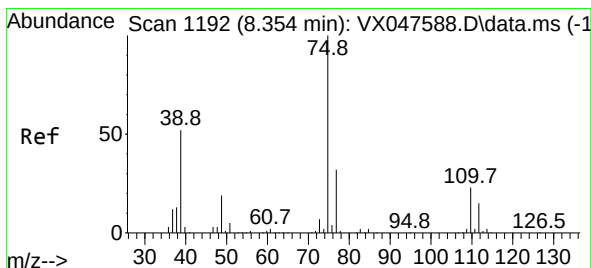
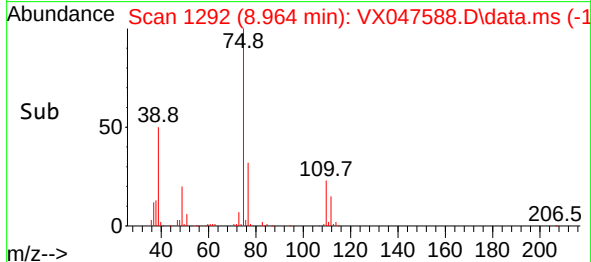
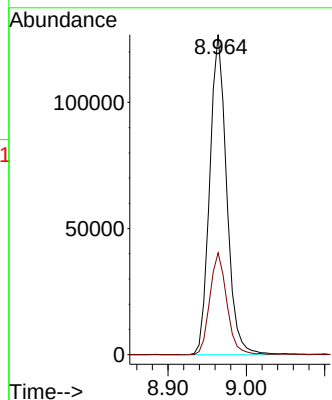
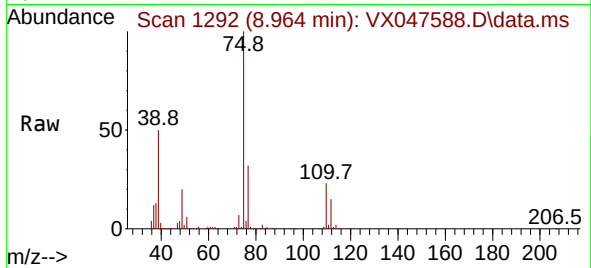




#53
 t-1,3-Dichloropropene
 Concen: 53.027 ug/l
 RT: 8.964 min Scan# 1292
 Delta R.T. 0.000 min
 Lab File: VX047588.D
 Acq: 16 Sep 2025 10:58

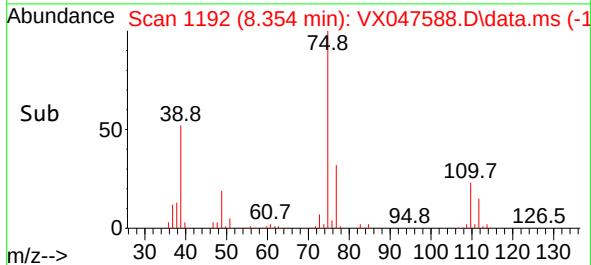
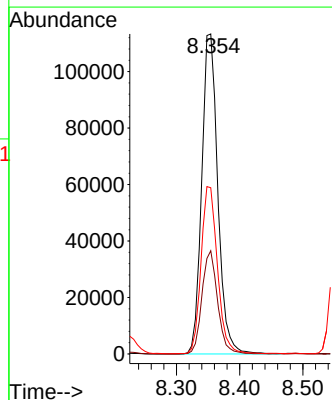
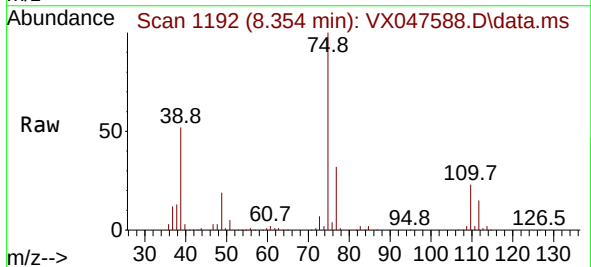
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

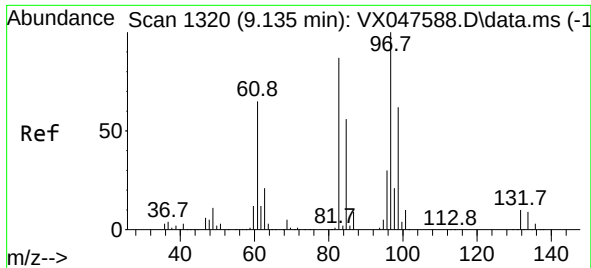
Tgt Ion: 75 Resp: 190282
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 52.369 ug/l
 RT: 8.354 min Scan# 1192
 Delta R.T. 0.000 min
 Lab File: VX047588.D
 Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 200859
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.6
 39 51.8 41.4 62.2

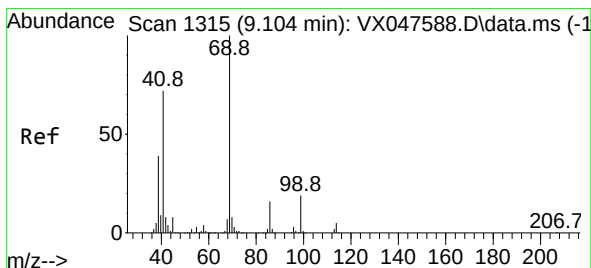
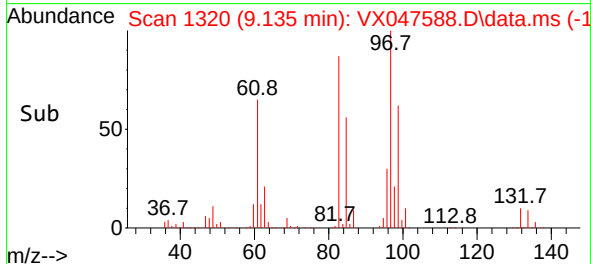
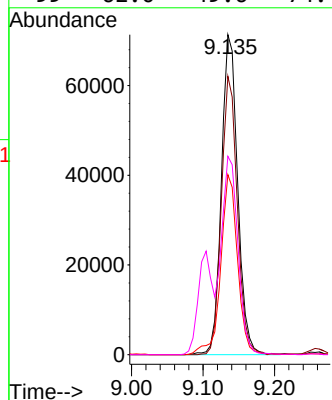
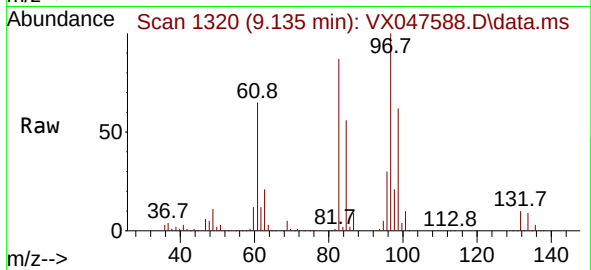




#55
1,1,2-Trichloroethane
Concen: 51.915 ug/l
RT: 9.135 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

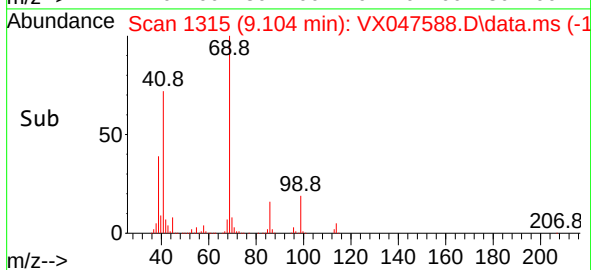
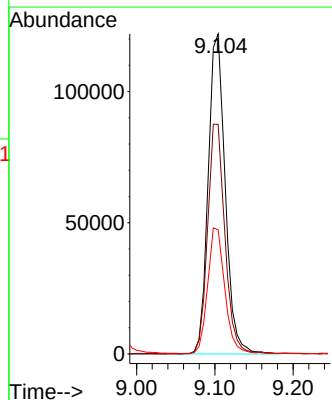
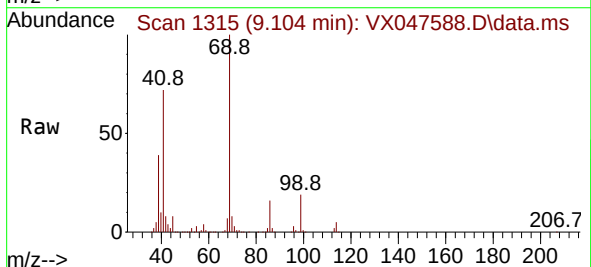
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

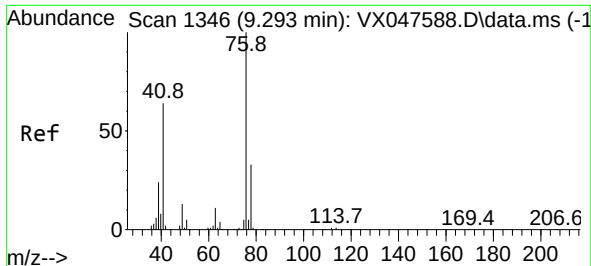
Tgt Ion:	97	Resp:	112837
Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.6	104.4
85	56.3	45.0	67.6
99	62.0	49.6	74.4



#56
Ethyl methacrylate
Concen: 53.930 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:	69	Resp:	184087
Ion	Ratio	Lower	Upper
69	100		
41	73.2	58.6	87.8
39	39.4	31.5	47.3

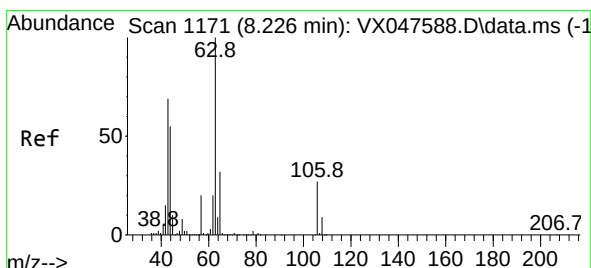
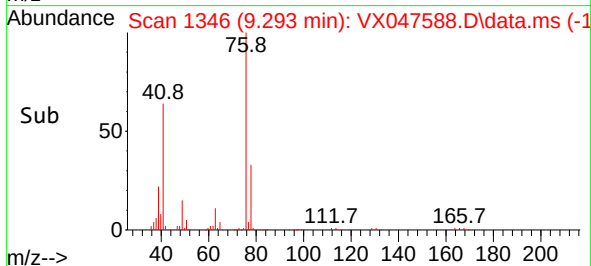
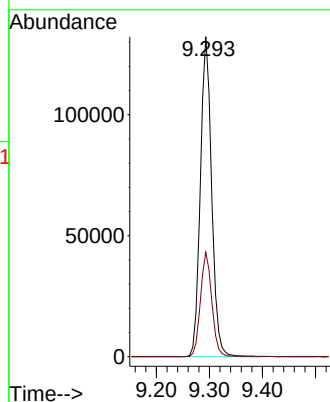
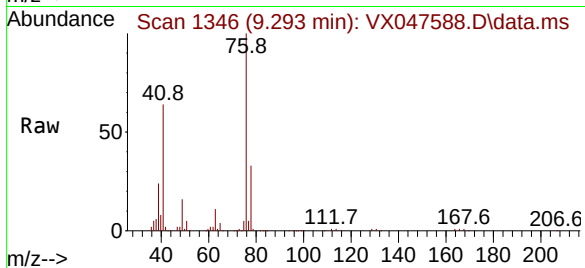




#57
1,3-Dichloropropane
Concen: 52.492 ug/l
RT: 9.293 min Scan# 11346
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

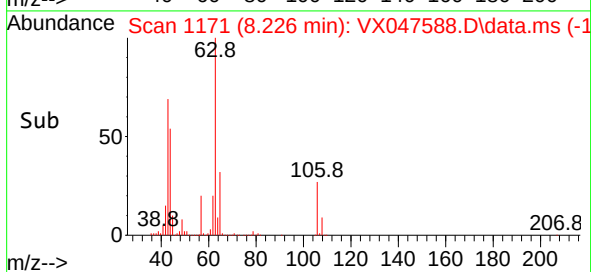
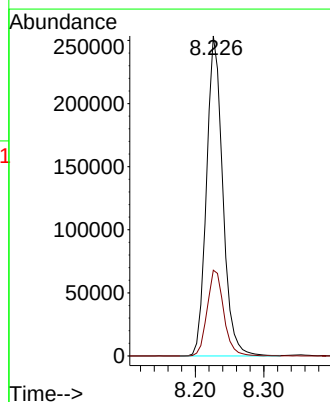
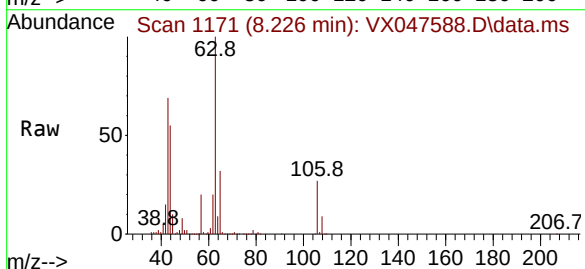
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

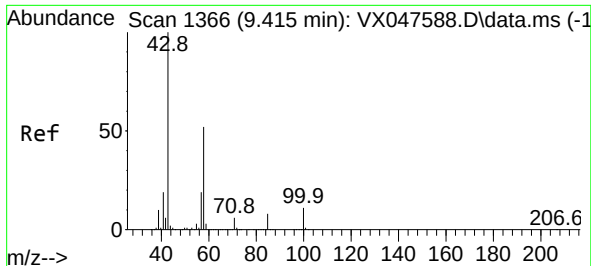
Tgt Ion: 76 Resp: 195989
Ion Ratio Lower Upper
76 100
78 32.8 26.2 39.4



#58
2-Chloroethyl Vinyl ether
Concen: 256.309 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 418707
Ion Ratio Lower Upper
63 100
106 27.4 21.9 32.9

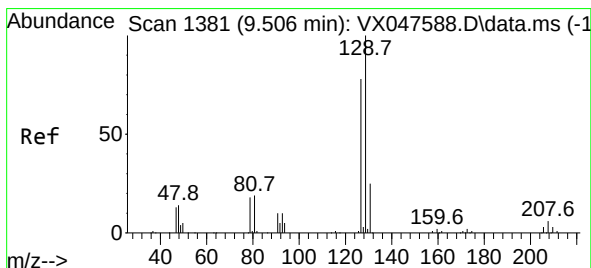
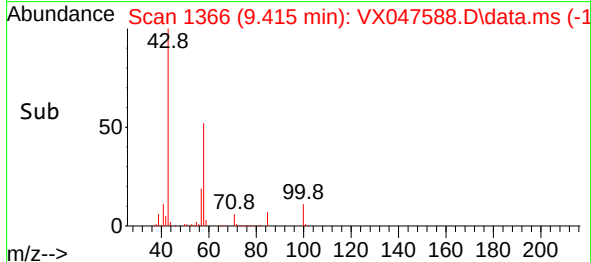
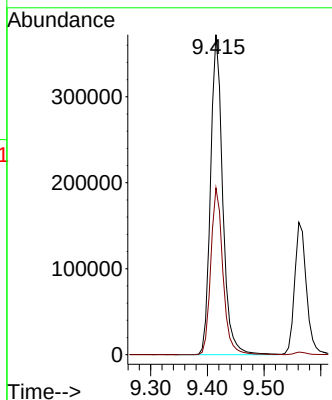
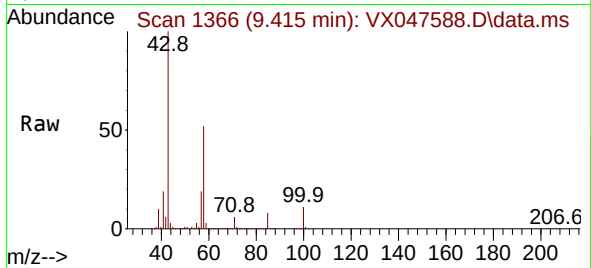




#59
2-Hexanone
Concen: 262.683 ug/l
RT: 9.415 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

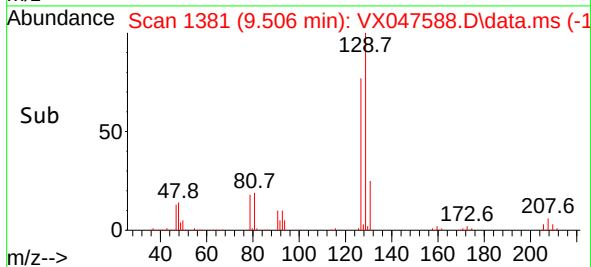
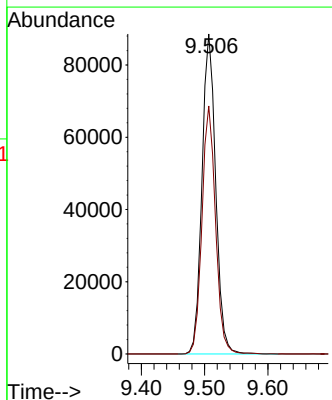
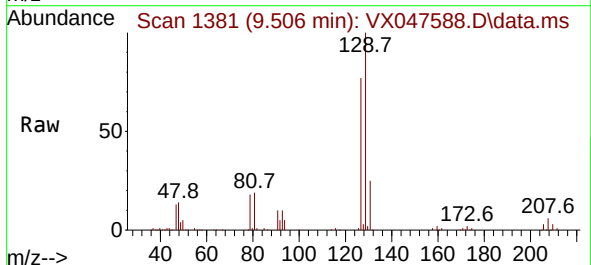
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

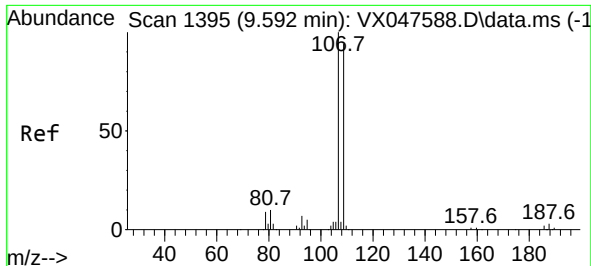
Tgt Ion: 43 Resp: 553313
Ion Ratio Lower Upper
43 100
58 52.1 26.1 78.2



#60
Dibromochloromethane
Concen: 53.401 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 129 Resp: 133737
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.2

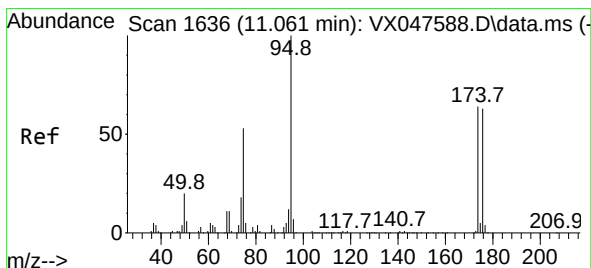
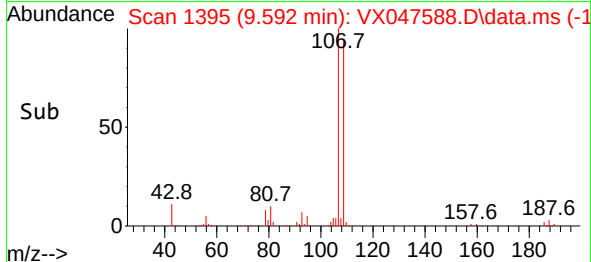
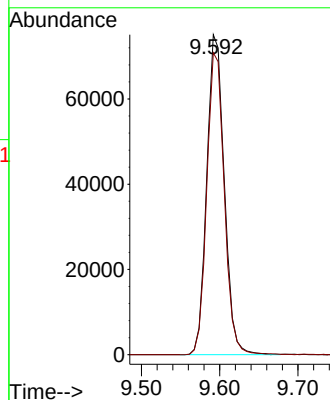
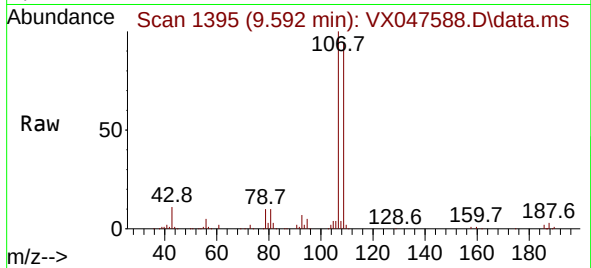




#61
1,2-Dibromoethane
Concen: 52.607 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

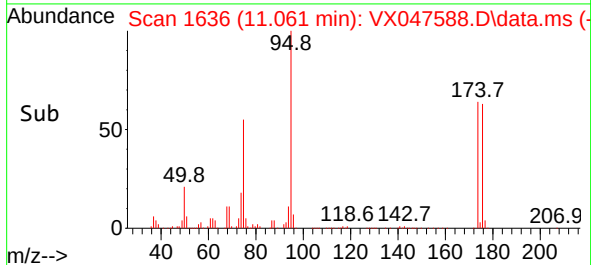
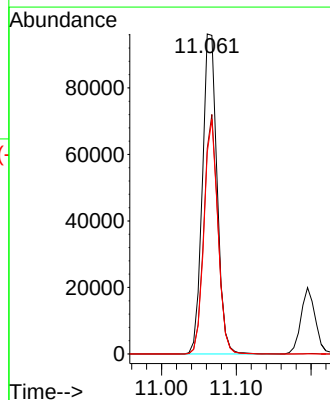
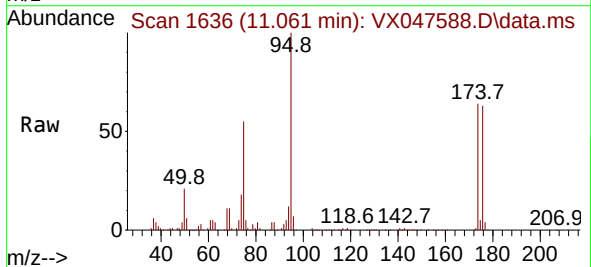
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

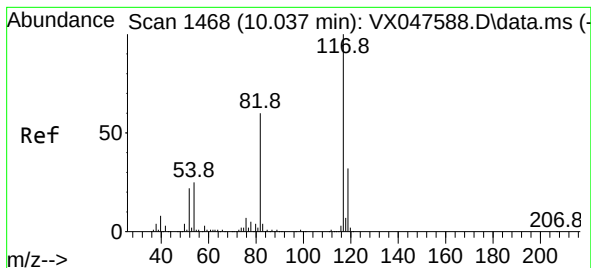
Tgt Ion:107 Resp: 116462
Ion Ratio Lower Upper
107 100
109 94.1 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 48.471 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 95 Resp: 131217
Ion Ratio Lower Upper
95 100
174 70.8 0.0 141.6
176 69.2 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

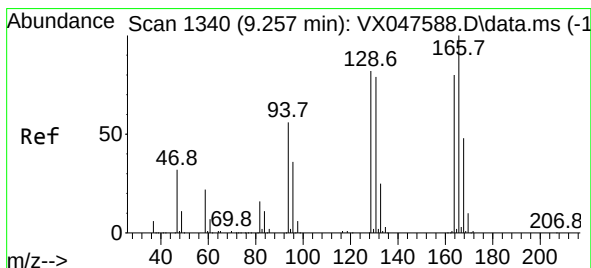
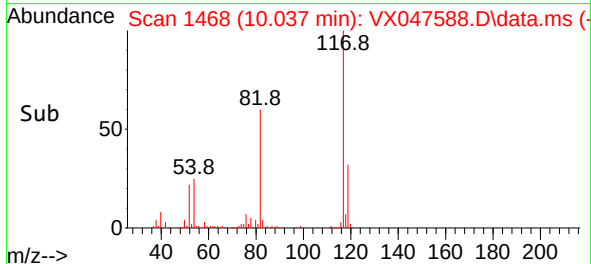
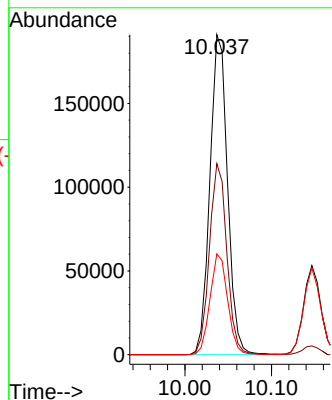
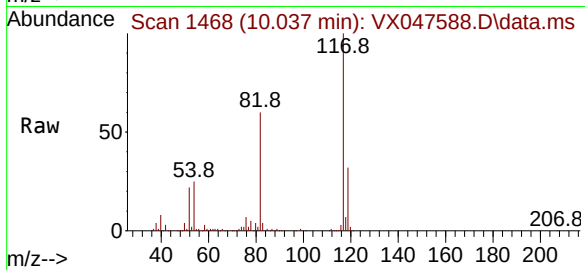
Tgt Ion:117 Resp: 270040

Ion Ratio Lower Upper

117 100

82 59.7 47.8 71.6

119 31.5 25.2 37.8



#64

Tetrachloroethene

Concen: 50.074 ug/l

RT: 9.257 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Tgt Ion:164 Resp: 88149

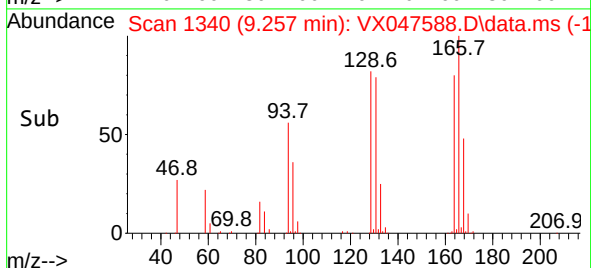
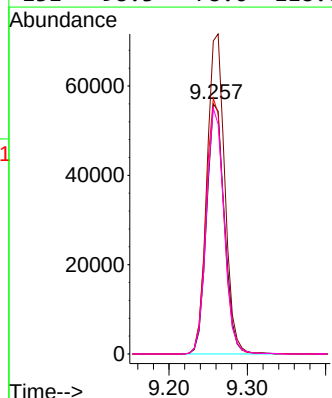
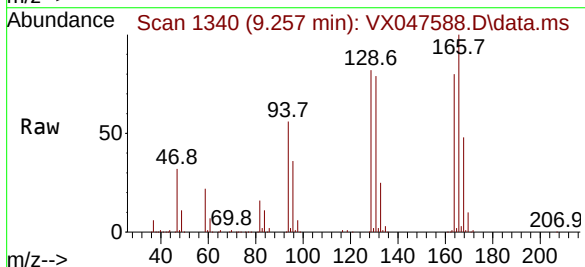
Ion Ratio Lower Upper

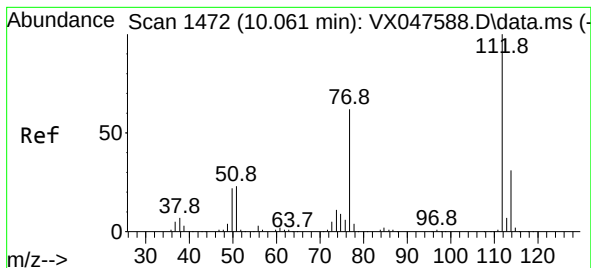
164 100

166 125.2 100.2 150.2

129 102.2 81.8 122.6

131 98.3 78.6 118.0

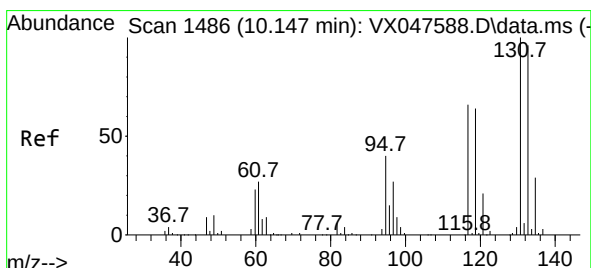
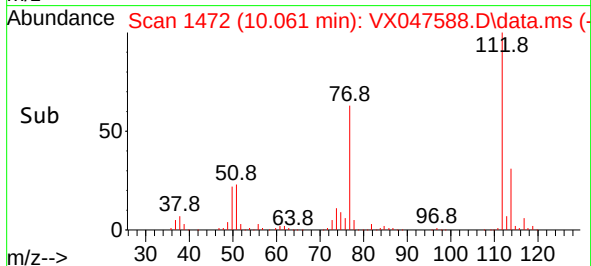
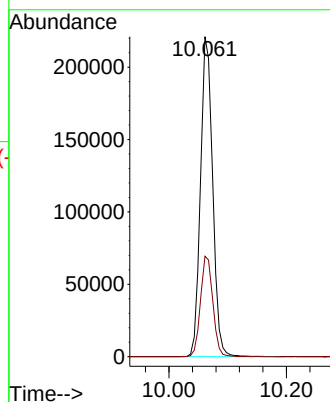
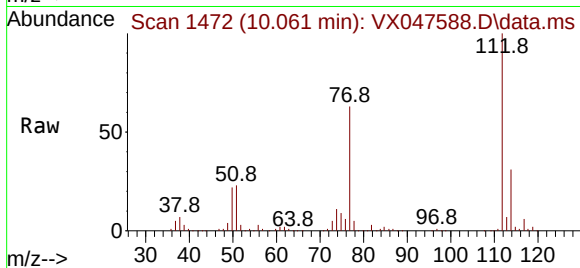




#65
Chlorobenzene
Concen: 51.833 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

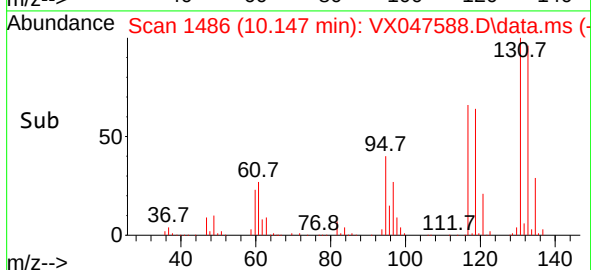
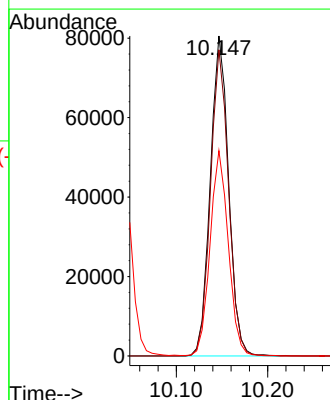
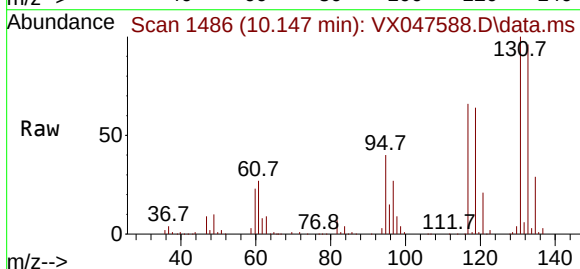
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

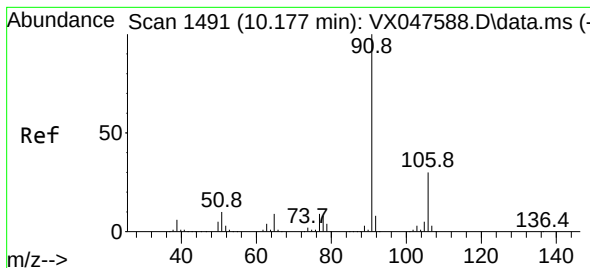
Tgt Ion:112 Resp: 317982
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.835 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:131 Resp: 111849
Ion Ratio Lower Upper
131 100
133 94.7 47.3 142.0
119 64.0 32.0 96.0

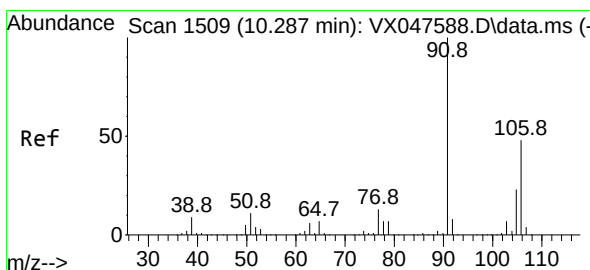
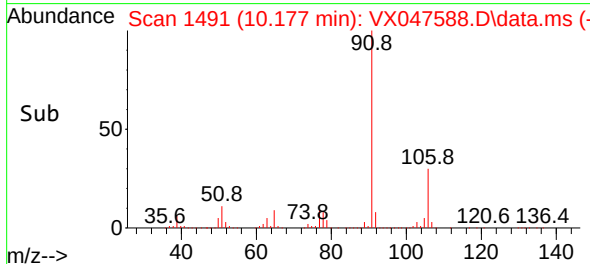
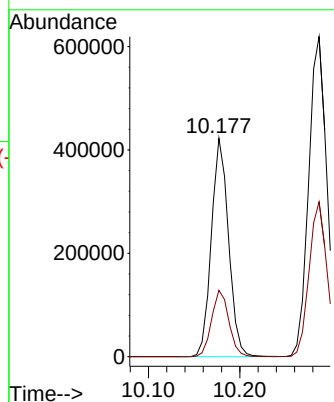
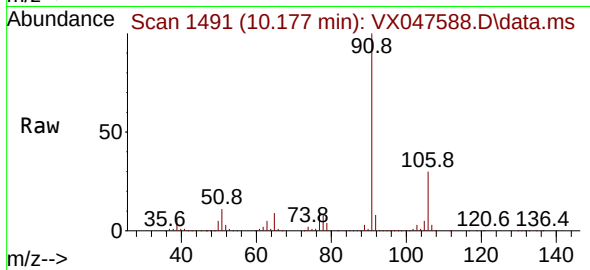




#67
Ethyl Benzene
Concen: 52.017 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

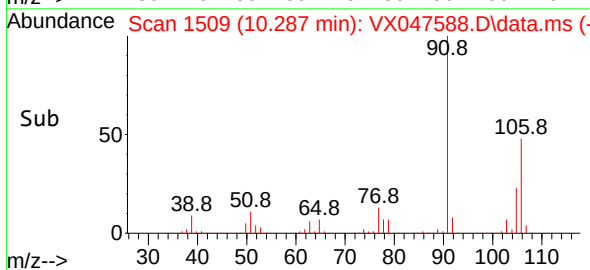
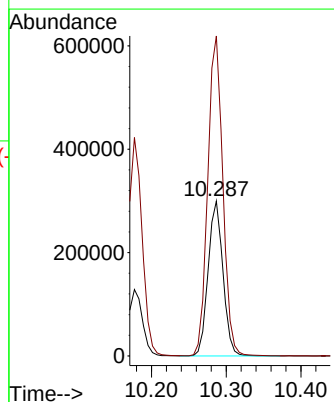
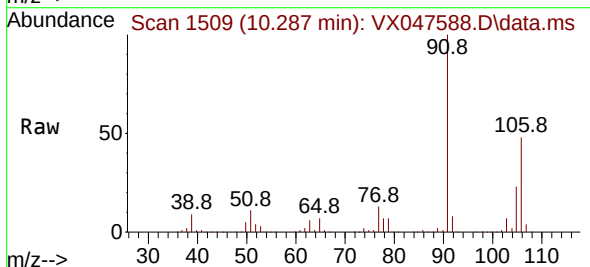
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

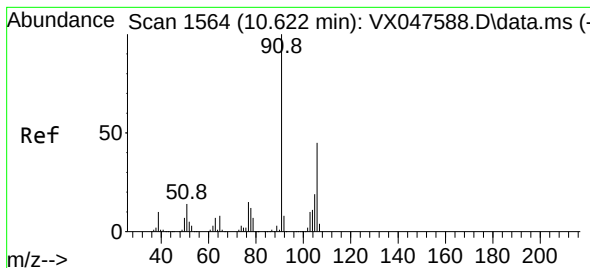
Tgt Ion: 91 Resp: 550610
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5



#68
m/p-Xylenes
Concen: 104.809 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 106 Resp: 412932
Ion Ratio Lower Upper
106 100
91 209.8 167.8 251.8





#69

o-Xylene

Concen: 53.084 ug/l

RT: 10.622 min Scan# 1564

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

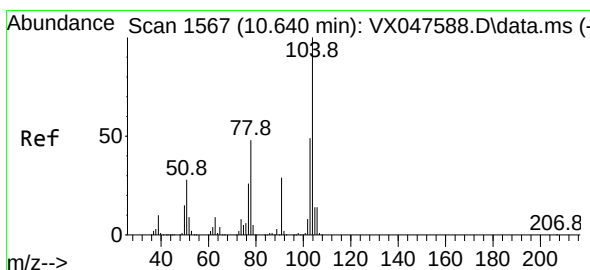
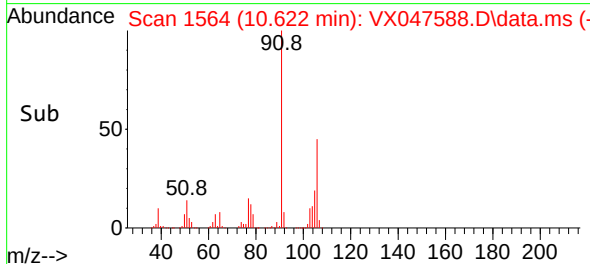
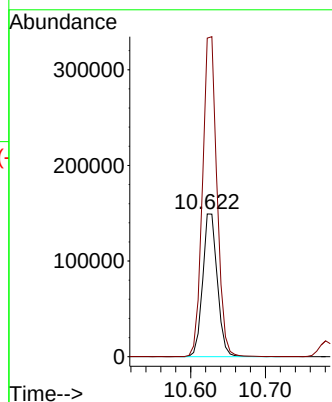
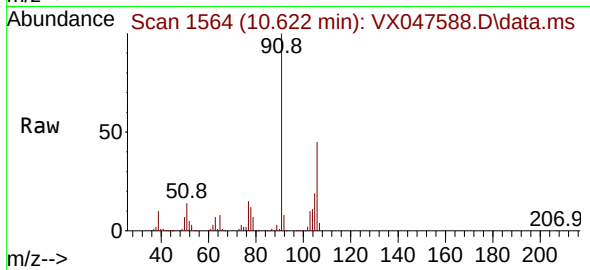
VSTDICCC050

Tgt Ion:106 Resp: 202291

Ion Ratio Lower Upper

106 100

91 222.3 111.1 333.4



#70

Styrene

Concen: 52.515 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

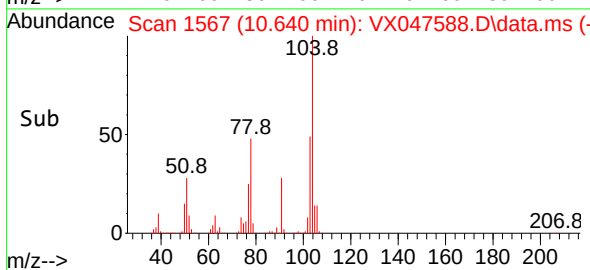
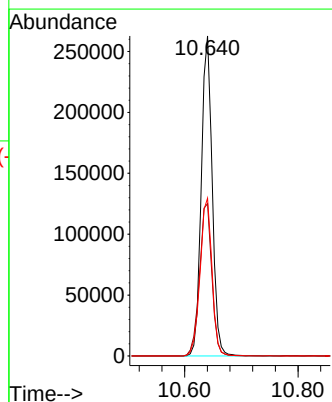
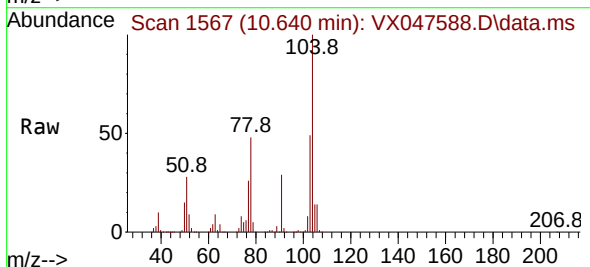
Tgt Ion:104 Resp: 350654

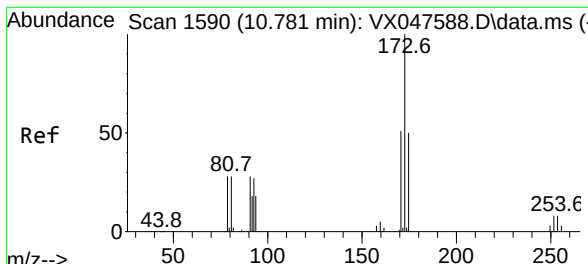
Ion Ratio Lower Upper

104 100

78 53.9 43.1 64.7

103 53.9 43.1 64.7

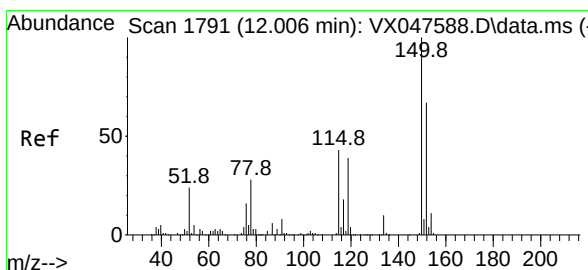
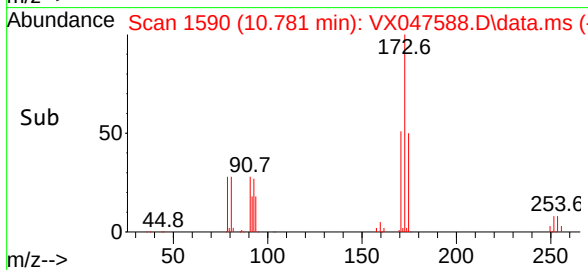
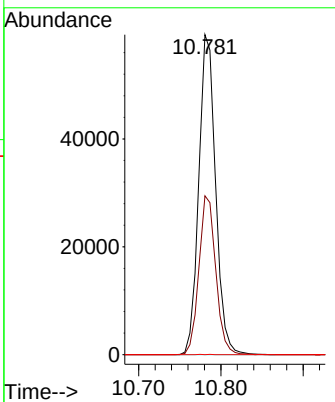
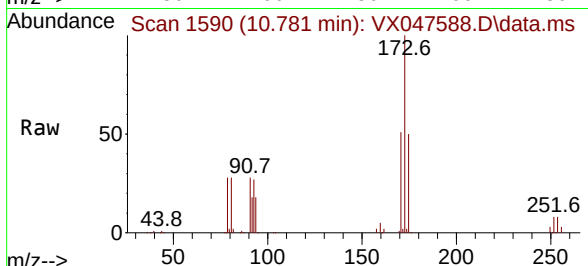




#71
 Bromoform
 Concen: 53.447 ug/l
 RT: 10.781 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047588.D
 Acq: 16 Sep 2025 10:58

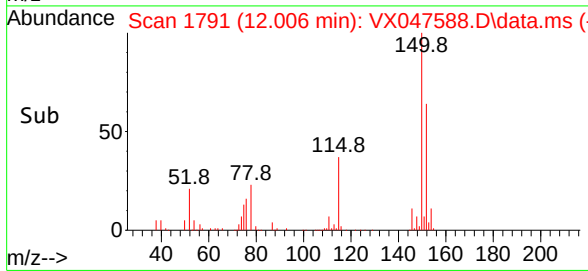
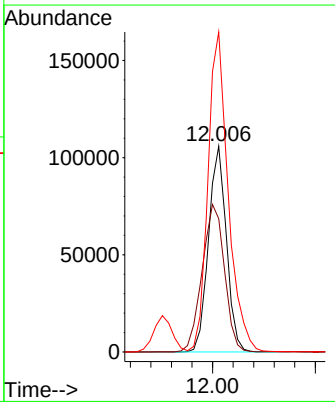
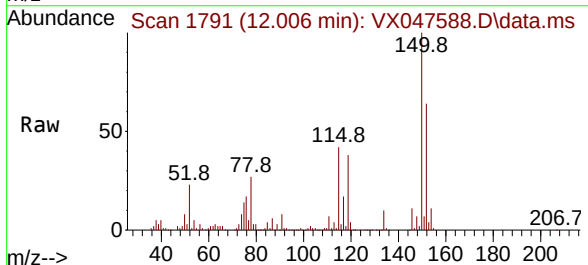
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

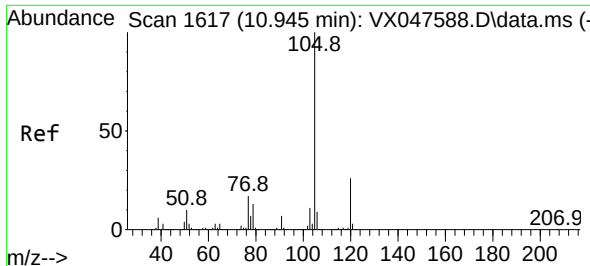
Tgt Ion:	173	Resp:	84485
Ion Ratio	Lower	Upper	
173	100		
175	49.7	24.9	74.6
254	0.1	0.1	0.1



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX047588.D
 Acq: 16 Sep 2025 10:58

Tgt Ion:	152	Resp:	127732
Ion Ratio	Lower	Upper	
152	100		
115	89.7	44.9	134.5
150	176.0	0.0	352.0

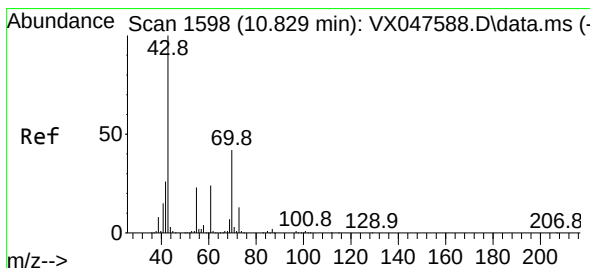
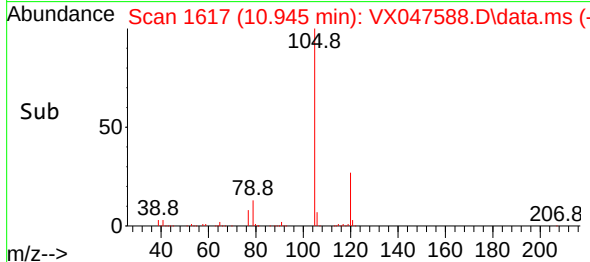
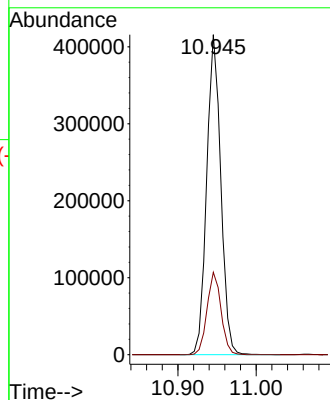
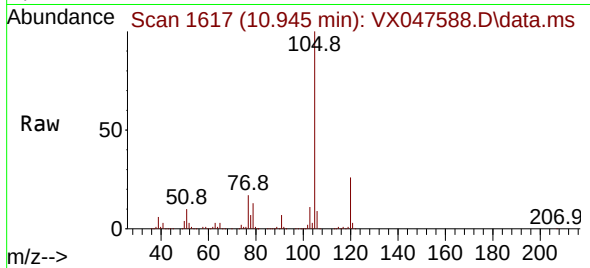




#73
Isopropylbenzene
Concen: 53.227 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

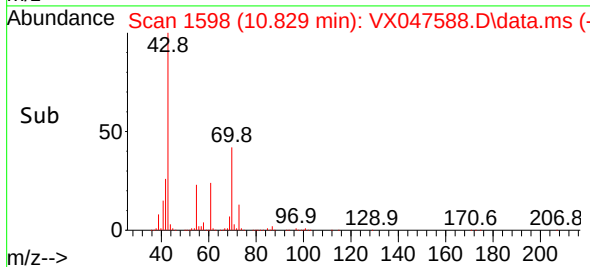
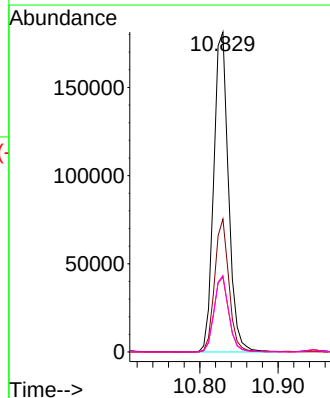
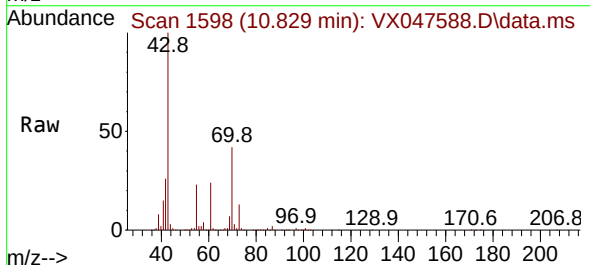
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

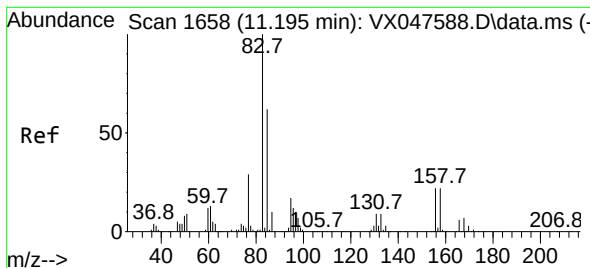
Tgt Ion:105 Resp: 516891
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.4



#74
N-ethyl acetate
Concen: 53.710 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 237846
Ion Ratio Lower Upper
43 100
70 40.0 32.0 48.0
55 23.6 18.9 28.3
61 23.5 18.8 28.2

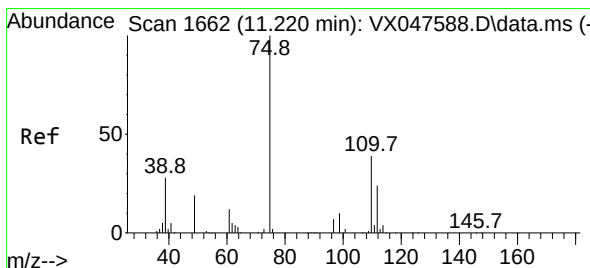
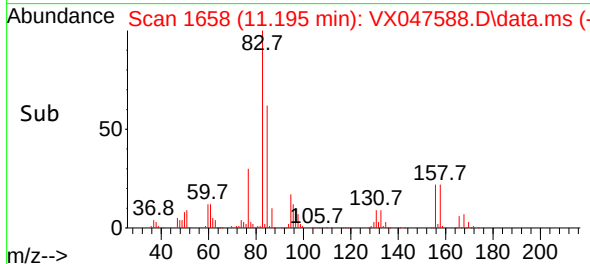
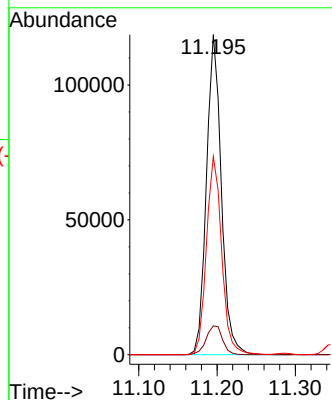
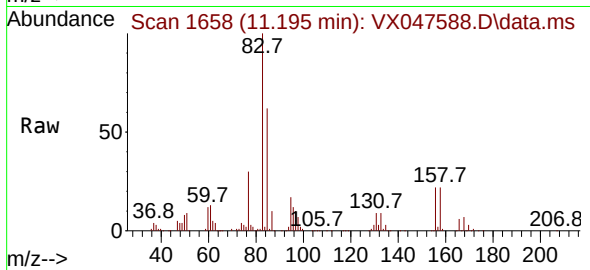




#75
 1,1,2,2-Tetrachloroethane
 Concen: 53.251 ug/l
 RT: 11.195 min Scan# 1658
 Delta R.T. 0.000 min
 Lab File: VX047588.D
 Acq: 16 Sep 2025 10:58

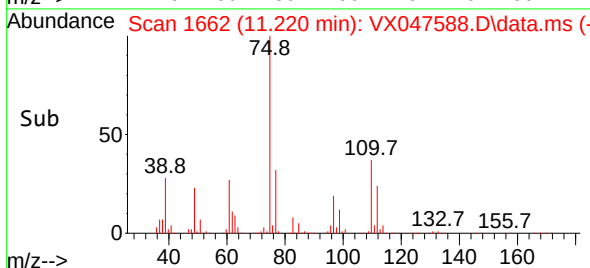
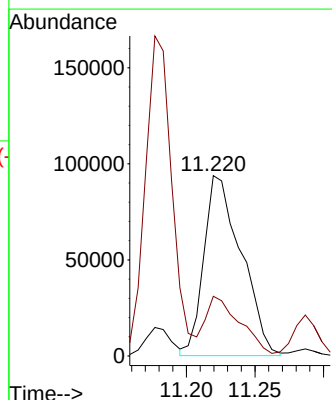
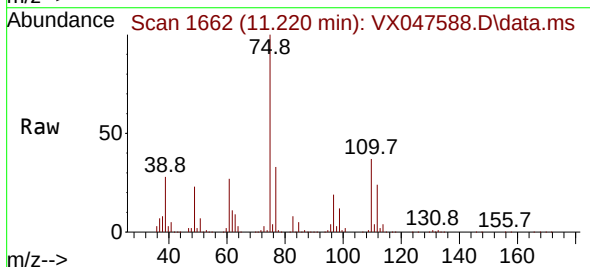
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

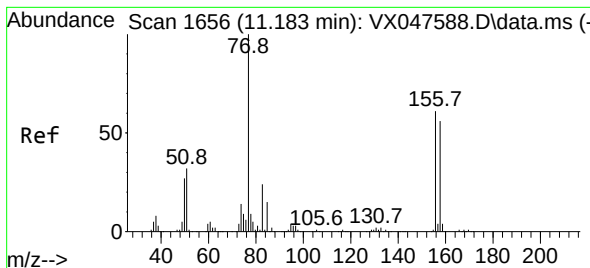
Tgt Ion: 83 Resp: 156454
 Ion Ratio Lower Upper
 83 100
 131 9.9 5.0 14.9
 85 63.3 31.6 95.0



#76
 1,2,3-Trichloropropane
 Concen: 68.947 ug/l
 RT: 11.220 min Scan# 1662
 Delta R.T. 0.000 min
 Lab File: VX047588.D
 Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 178309
 Ion Ratio Lower Upper
 75 100
 77 30.4 18.8 56.4





#77

Bromobenzene

Concen: 52.754 ug/l

RT: 11.183 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

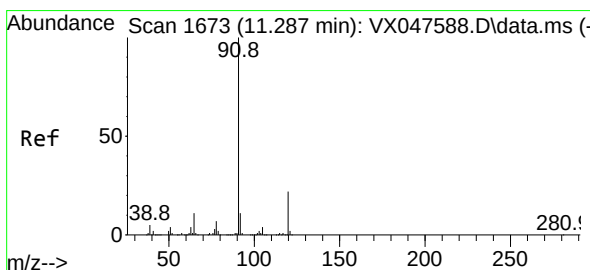
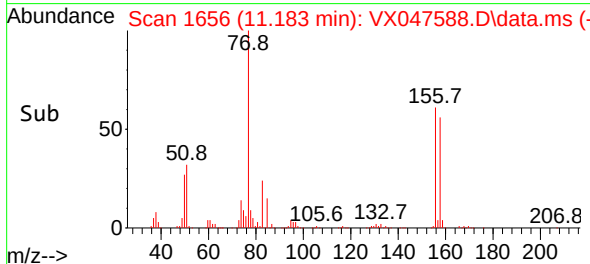
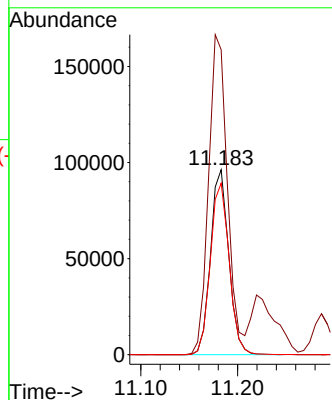
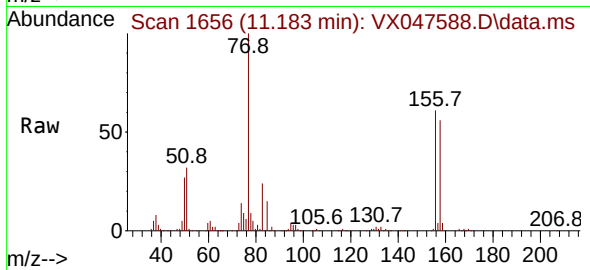
Tgt Ion:156 Resp: 126174

Ion Ratio Lower Upper

156 100

77 179.4 89.7 269.1

158 95.7 47.9 143.6



#78

n-propylbenzene

Concen: 53.315 ug/l

RT: 11.287 min Scan# 1673

Delta R.T. 0.000 min

Lab File: VX047588.D

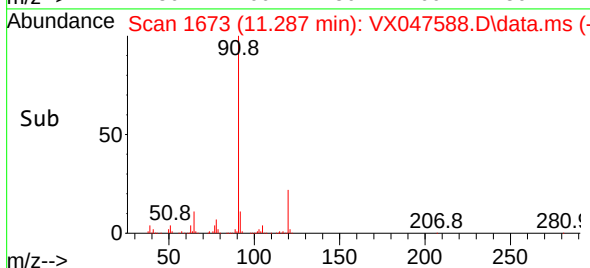
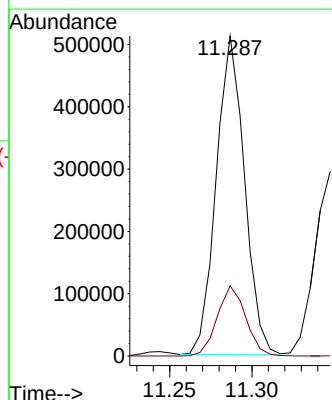
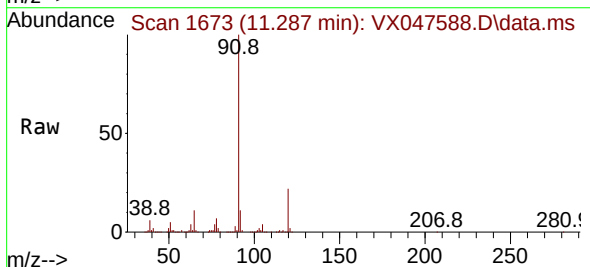
Acq: 16 Sep 2025 10:58

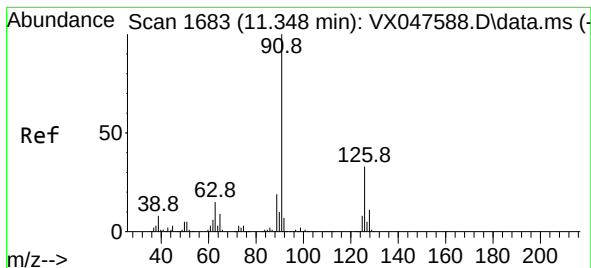
Tgt Ion: 91 Resp: 612035

Ion Ratio Lower Upper

91 100

120 22.1 11.1 33.1

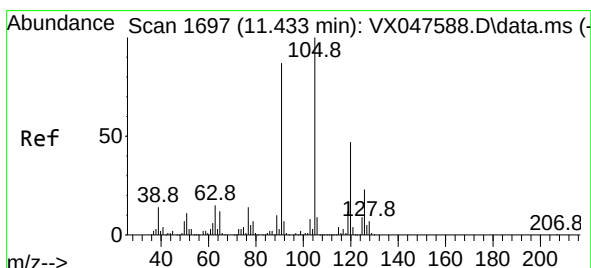
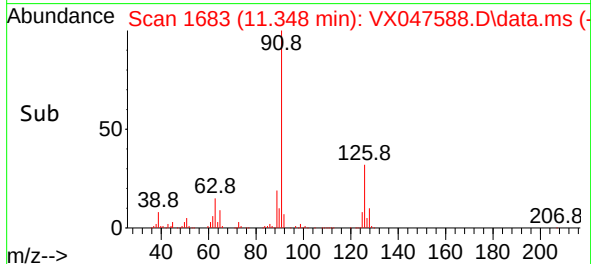
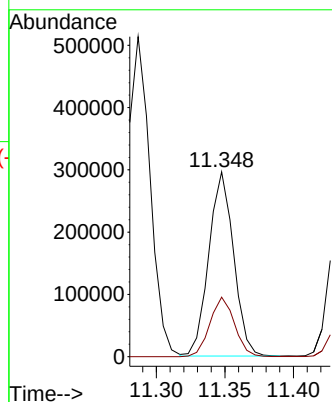
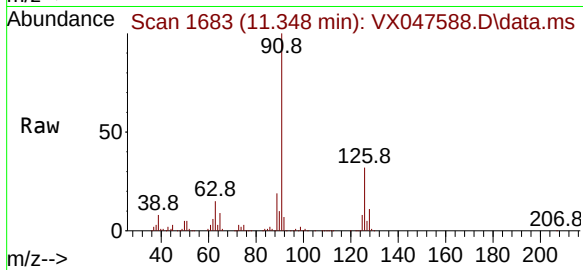




#79
2-Chlorotoluene
Concen: 52.965 ug/l
RT: 11.348 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

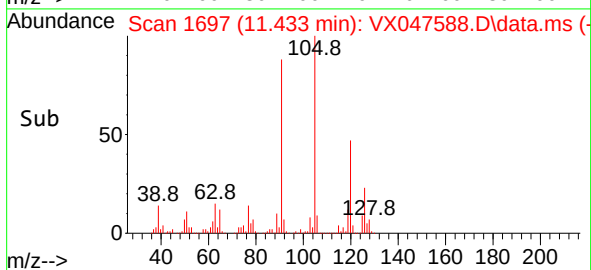
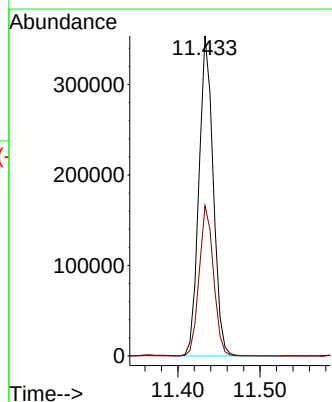
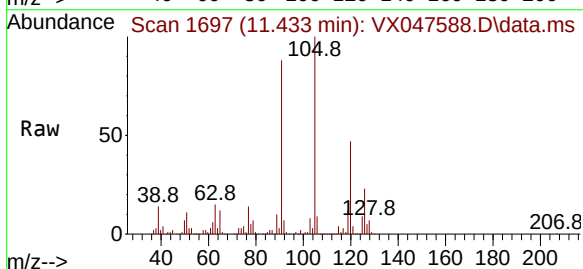
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

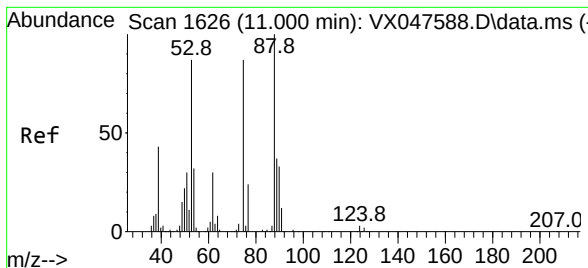
Tgt Ion: 91 Resp: 372397
Ion Ratio Lower Upper
91 100
126 32.2 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 53.518 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 105 Resp: 426989
Ion Ratio Lower Upper
105 100
120 47.2 23.6 70.8

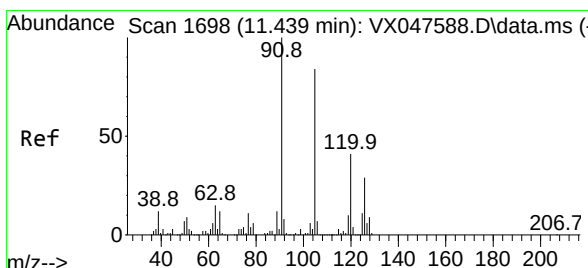
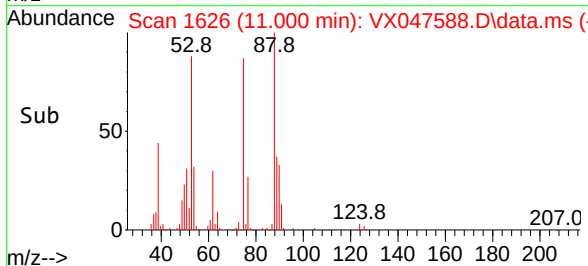
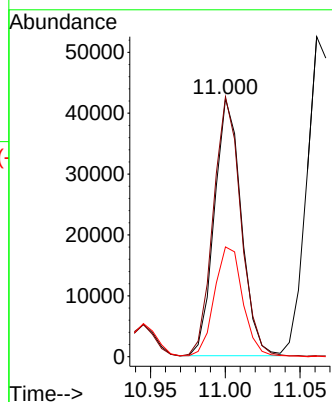
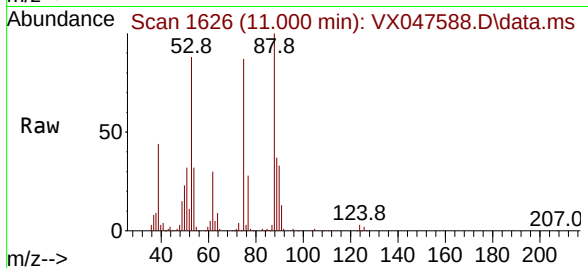




#81
trans-1,4-Dichloro-2-butene
Concen: 52.190 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

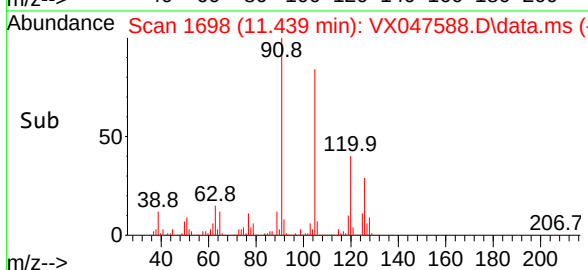
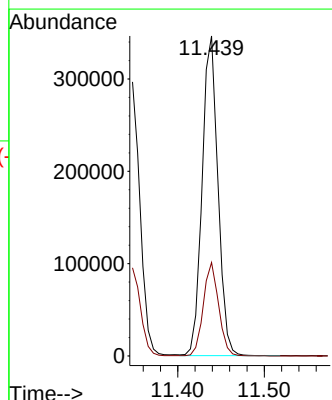
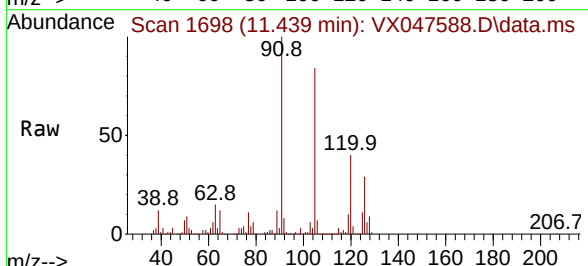
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

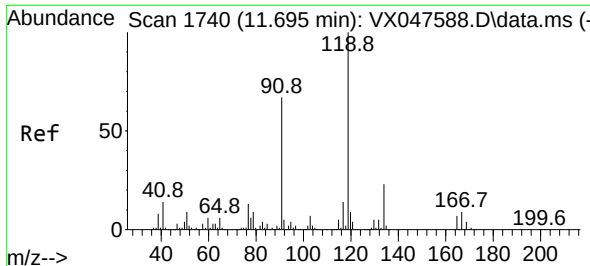
Tgt Ion: 75 Resp: 52927
Ion Ratio Lower Upper
75 100
53 104.3 83.4 125.2
89 45.4 36.3 54.5



#82
4-Chlorotoluene
Concen: 52.806 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 438502
Ion Ratio Lower Upper
91 100
126 28.4 14.2 42.6

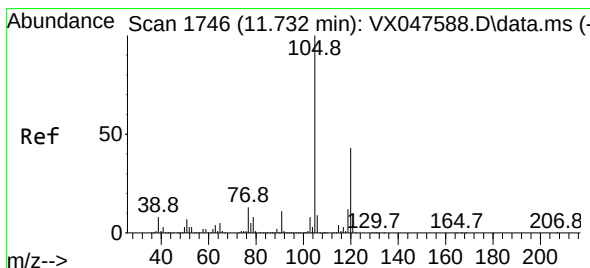
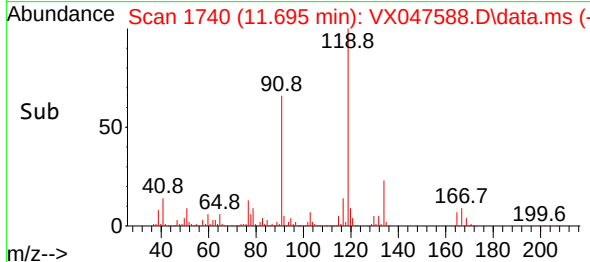
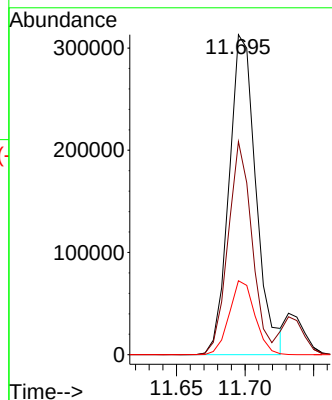
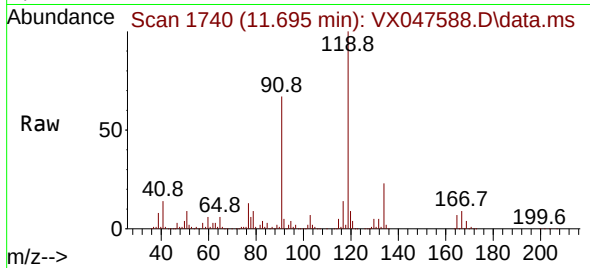




#83
 tert-Butylbenzene
 Concen: 52.539 ug/l
 RT: 11.695 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047588.D
 Acq: 16 Sep 2025 10:58

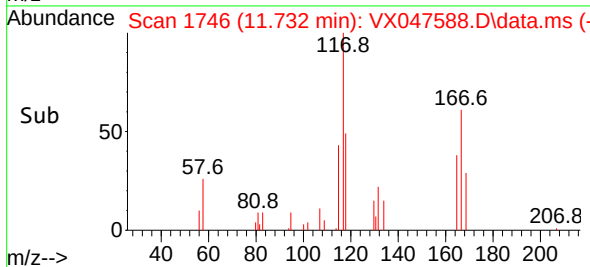
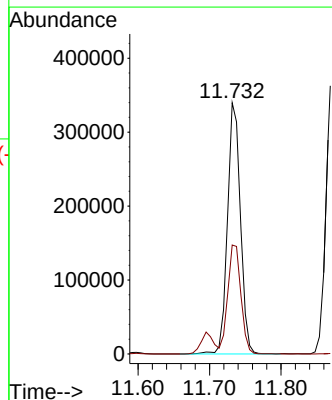
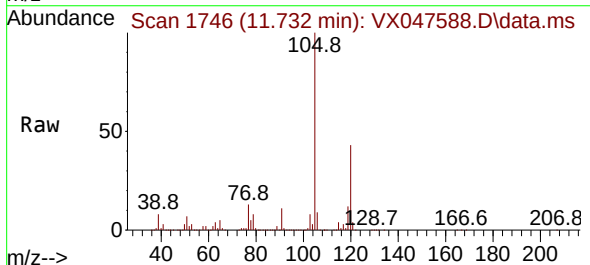
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

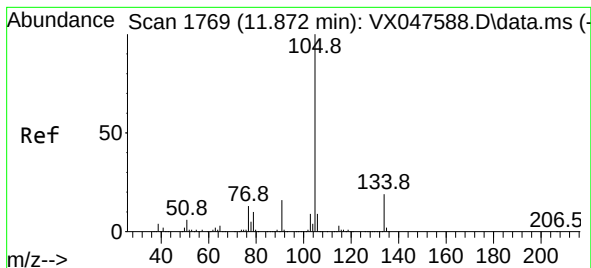
Tgt Ion:119 Resp: 429107
 Ion Ratio Lower Upper
 119 100
 91 59.2 29.6 88.8
 134 22.0 11.0 33.0



#84
 1,2,4-Trimethylbenzene
 Concen: 52.798 ug/l
 RT: 11.732 min Scan# 1746
 Delta R.T. 0.000 min
 Lab File: VX047588.D
 Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 427073
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.1

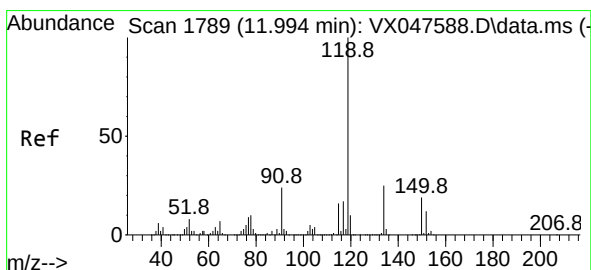
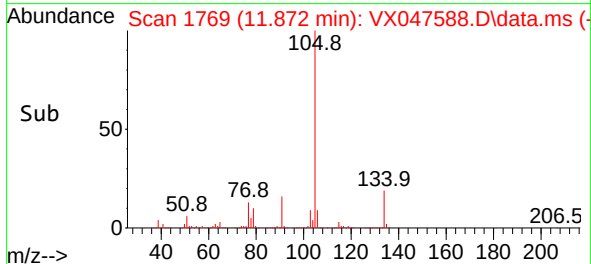
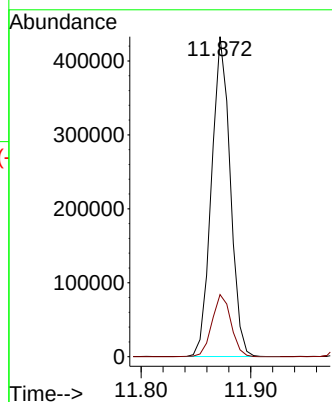
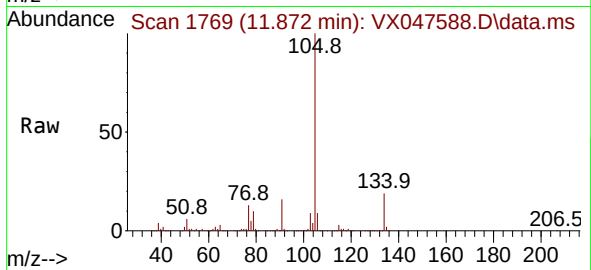




#85
sec-Butylbenzene
Concen: 53.029 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

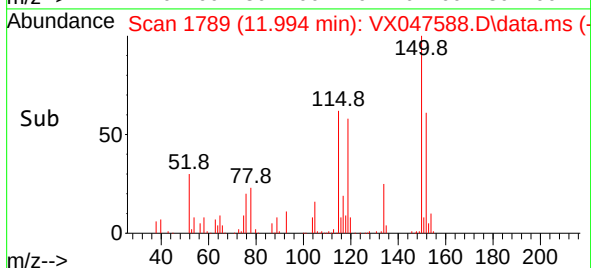
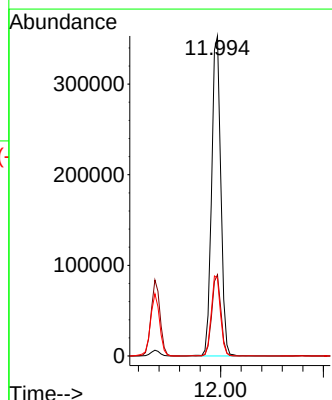
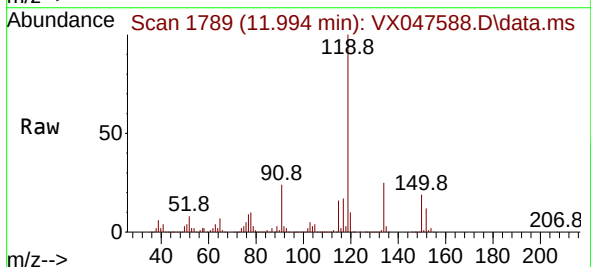
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

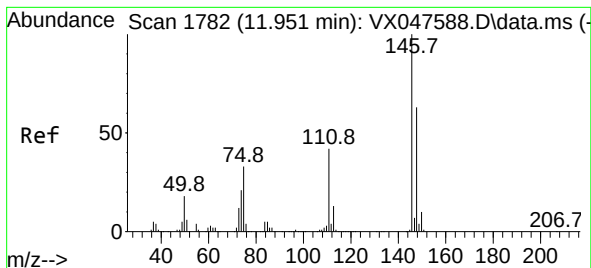
Tgt Ion:105 Resp: 514442
Ion Ratio Lower Upper
105 100
134 19.7 9.8 29.5



#86
p-Isopropyltoluene
Concen: 53.172 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:119 Resp: 436704
Ion Ratio Lower Upper
119 100
134 25.2 12.6 37.8
91 25.1 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 52.232 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

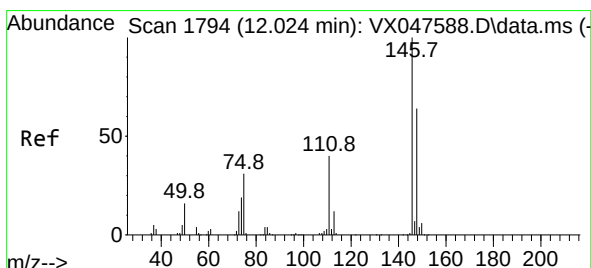
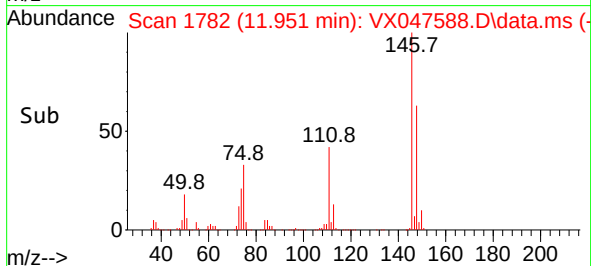
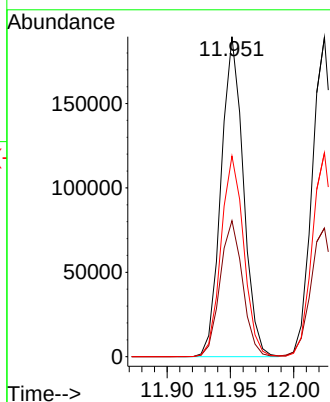
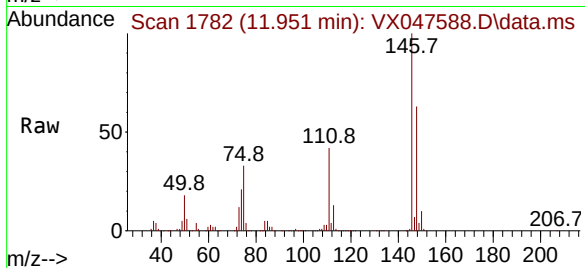
Tgt Ion:146 Resp: 232038

Ion Ratio Lower Upper

146 100

111 43.0 21.5 64.5

148 64.0 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 51.316 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

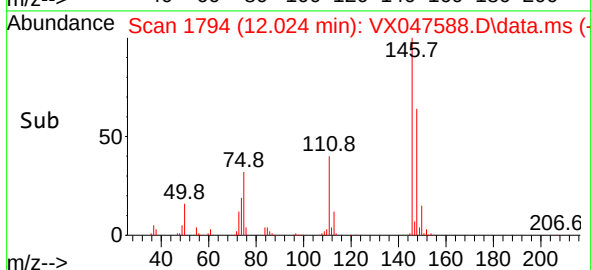
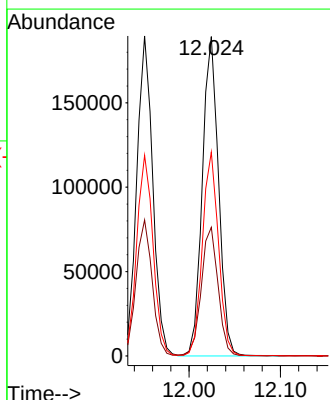
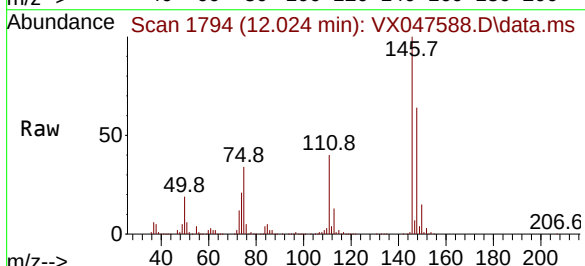
Tgt Ion:146 Resp: 233975

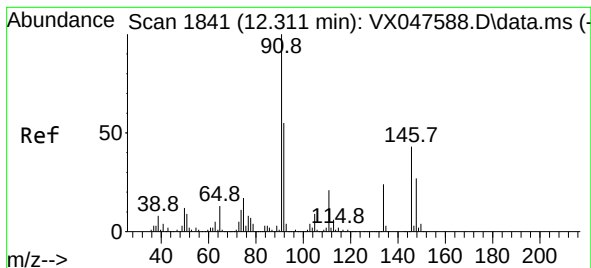
Ion Ratio Lower Upper

146 100

111 41.6 20.8 62.4

148 63.4 31.7 95.1





#89

n-Butylbenzene

Concen: 52.766 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

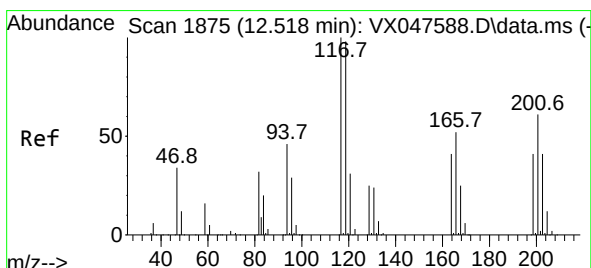
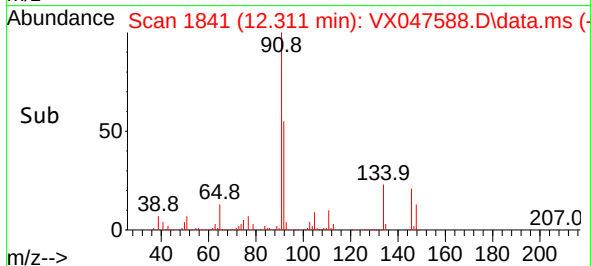
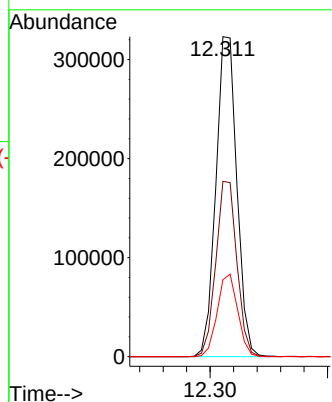
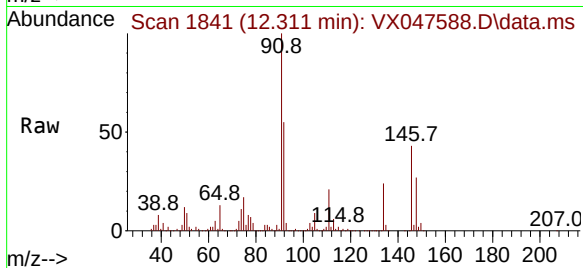
Tgt Ion: 91 Resp: 400997

Ion Ratio Lower Upper

91 100

92 55.1 27.6 82.7

134 25.2 12.6 37.8



#90

Hexachloroethane

Concen: 52.567 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VX047588.D

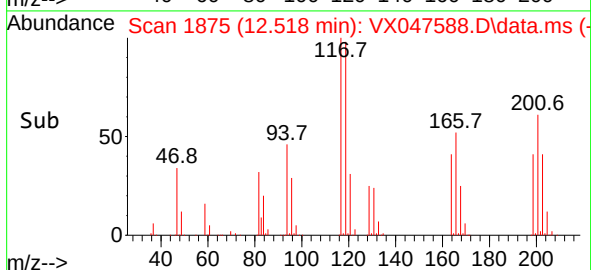
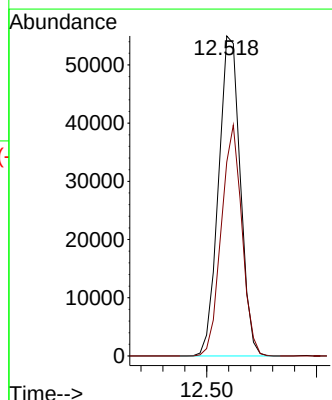
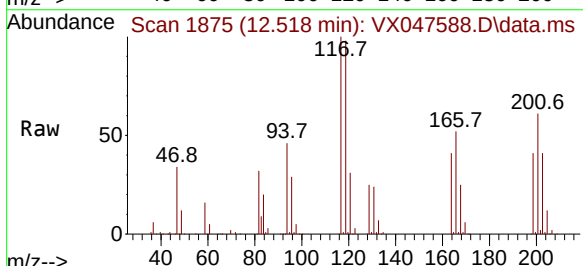
Acq: 16 Sep 2025 10:58

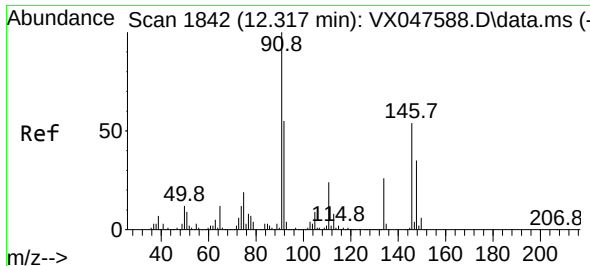
Tgt Ion: 117 Resp: 75800

Ion Ratio Lower Upper

117 100

201 68.3 34.2 102.5

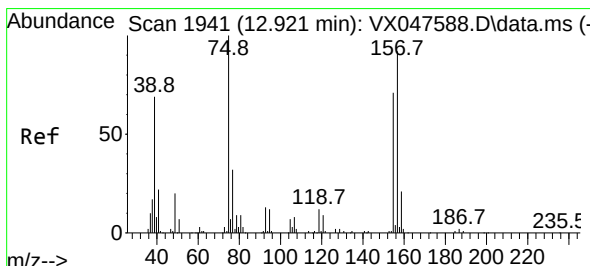
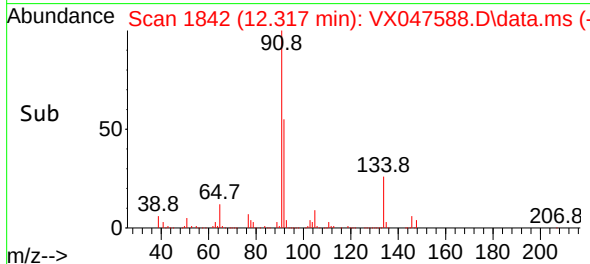
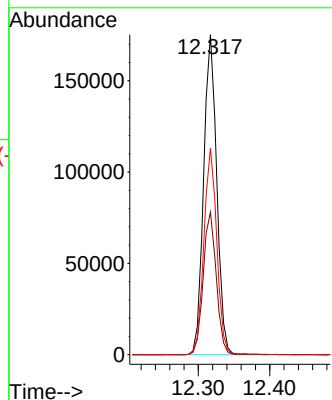
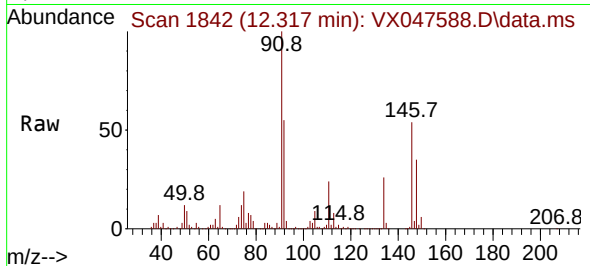




#91
1,2-Dichlorobenzene
Concen: 52.688 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

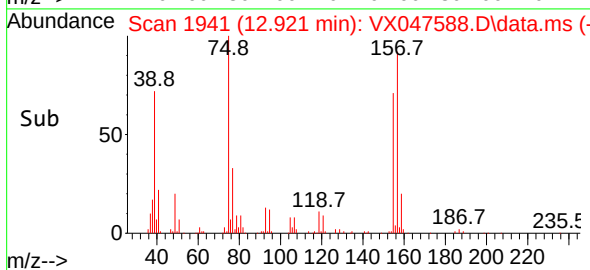
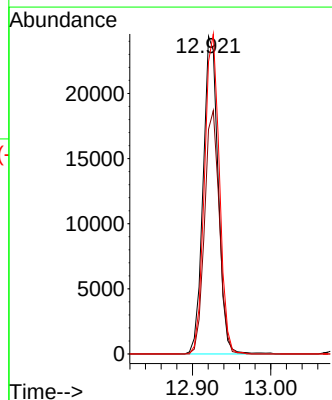
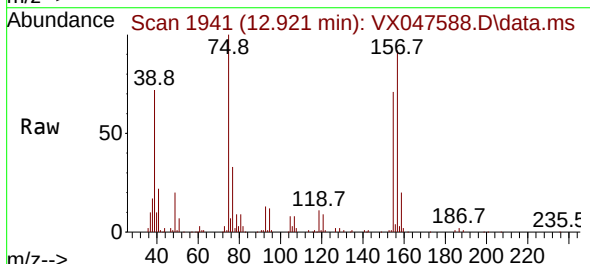
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

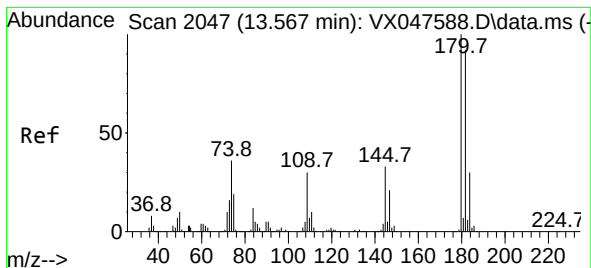
Tgt Ion:146 Resp: 222993
Ion Ratio Lower Upper
146 100
111 44.4 22.2 66.6
148 63.6 31.8 95.4



#92
1,2-Dibromo-3-Chloropropane
Concen: 54.554 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 32451
Ion Ratio Lower Upper
75 100
155 75.4 37.7 113.1
157 99.6 49.8 149.4





#93

1,2,4-Trichlorobenzene

Concen: 53.685 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

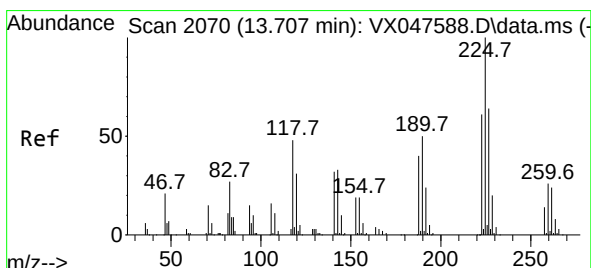
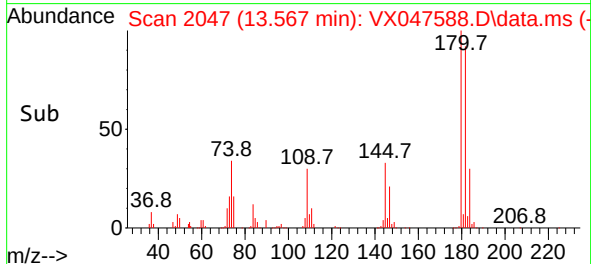
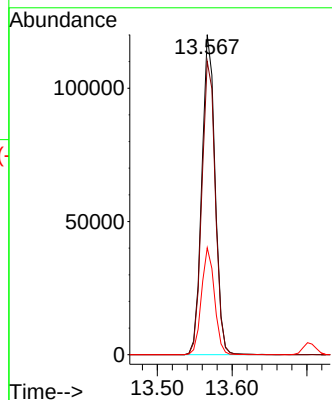
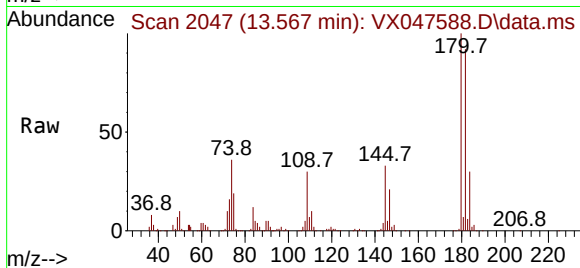
Tgt Ion:180 Resp: 147670

Ion Ratio Lower Upper

180 100

182 93.2 46.6 139.8

145 32.7 16.4 49.1



#94

Hexachlorobutadiene

Concen: 52.510 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

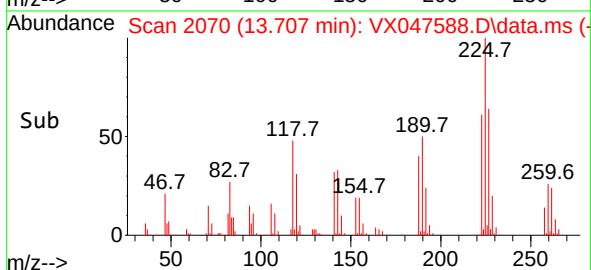
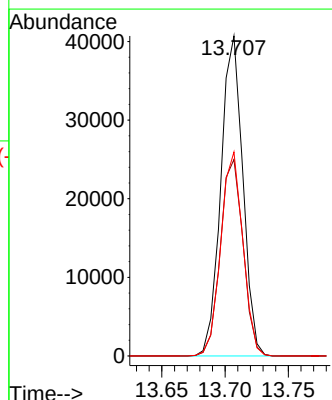
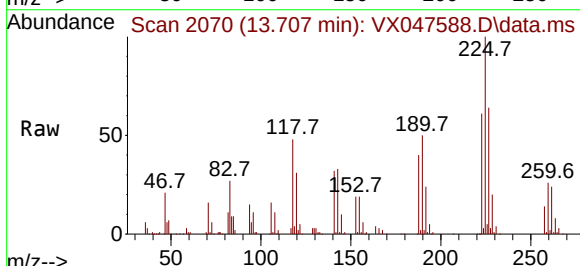
Tgt Ion:225 Resp: 49061

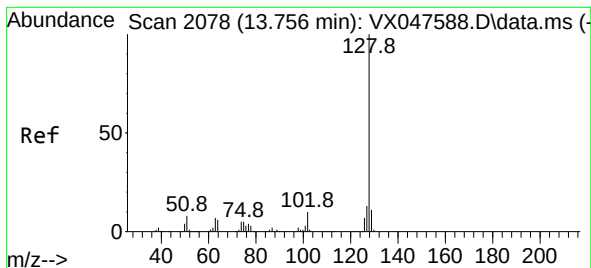
Ion Ratio Lower Upper

225 100

223 63.4 31.7 95.1

227 64.0 32.0 96.0





#95

Naphthalene

Concen: 53.966 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

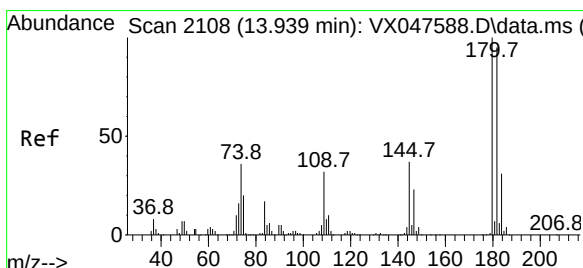
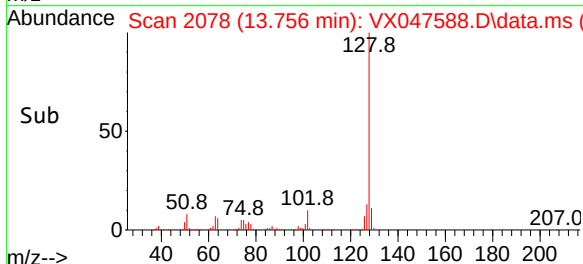
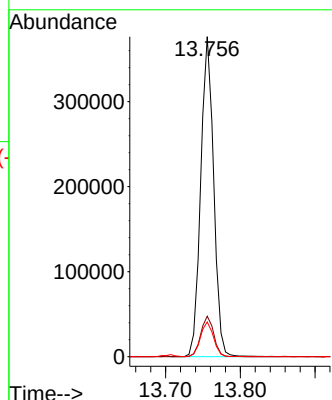
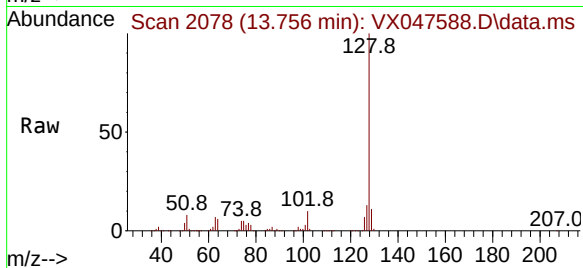
Tgt Ion:128 Resp: 452013

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 11.0 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 54.316 ug/l

RT: 13.939 min Scan# 2108

Delta R.T. 0.000 min

Lab File: VX047588.D

Acq: 16 Sep 2025 10:58

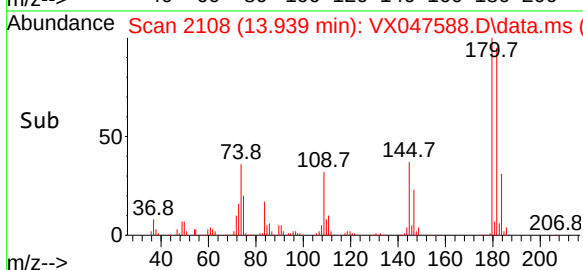
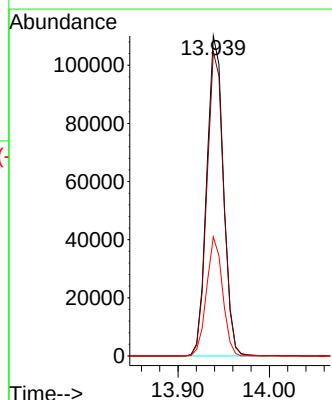
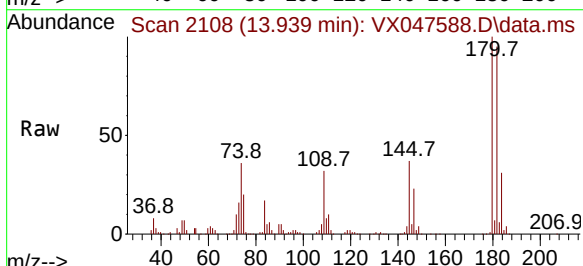
Tgt Ion:180 Resp: 138978

Ion Ratio Lower Upper

180 100

182 95.2 47.6 142.8

145 35.8 17.9 53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\X091625\
 Data File : VX047589.D
 Acq On : 16 Sep 2025 11:40
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 22 01:51:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	169280	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	298913	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	275758	102.341	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 204.680%#	
35) Dibromofluoromethane	5.361	113	212419	105.962	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 211.920%#	
50) Toluene-d8	8.629	98	724078	104.386	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 208.780%#	
62) 4-Bromofluorobenzene	11.061	95	270289	102.672	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 205.340%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	172727	98.537	ug/l	100
3) Chloromethane	1.301	50	229165	99.472	ug/l	100
4) Vinyl Chloride	1.380	62	229175	101.621	ug/l	100
5) Bromomethane	1.611	94	143113	100.076	ug/l	99
6) Chloroethane	1.691	64	152487	101.167	ug/l	99
7) Trichlorofluoromethane	1.892	101	344488	102.878	ug/l	100
8) Diethyl Ether	2.130	74	142038	103.695	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	199843	102.067	ug/l	99
10) Methyl Iodide	2.453	142	313092	102.531	ug/l	99
11) Tert butyl alcohol	2.947	59	152108	506.863	ug/l	98
12) 1,1-Dichloroethene	2.319	96	206097	102.473	ug/l	93
13) Acrolein	2.233	56	150793	545.276	ug/l	97
14) Allyl chloride	2.660	41	415140	100.028	ug/l	99
15) Acrylonitrile	3.056	53	581240	522.897	ug/l	100
16) Acetone	2.374	43	510542	435.772	ug/l	100
17) Carbon Disulfide	2.514	76	537888	97.693	ug/l	98
18) Methyl Acetate	2.697	43	292867	112.324	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	748952	102.011	ug/l	100
20) Methylene Chloride	2.782	84	242548	97.805	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	217759	100.566	ug/l	98
22) Diisopropyl ether	3.745	45	811840	100.934	ug/l	88
23) Vinyl Acetate	3.709	43	3314707	514.916	ug/l	99
24) 1,1-Dichloroethane	3.599	63	435815	101.944	ug/l	98
25) 2-Butanone	4.532	43	700827	479.558	ug/l	97
26) 2,2-Dichloropropane	4.465	77	357292	100.542	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	266550	100.516	ug/l	100
28) Bromochloromethane	4.873	49	198788	106.512	ug/l	99
29) Tetrahydrofuran	4.977	42	443530	504.502	ug/l	99
30) Chloroform	5.074	83	433937	100.447	ug/l	100
31) Cyclohexane	5.452	56	332995	93.523	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	372323	101.607	ug/l	99
36) 1,1-Dichloropropene	5.672	75	281650	96.149	ug/l	98
37) Ethyl Acetate	4.690	43	318793	101.641	ug/l	99
38) Carbon Tetrachloride	5.660	117	314745	98.891	ug/l	98
39) Methylcyclohexane	7.360	83	327858	98.600	ug/l	98
40) Benzene	6.019	78	880885	99.009	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047589.D
 Acq On : 16 Sep 2025 11:40
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 22 01:51:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	168753	104.220	ug/l	99
42) 1,2-Dichloroethane	6.062	62	331465	97.916	ug/l	100
43) Isopropyl Acetate	6.318	43	516875	100.482	ug/l	99
44) Trichloroethene	7.104	130	217753	101.234	ug/l	96
45) 1,2-Dichloropropane	7.409	63	228150	100.145	ug/l	100
46) Dibromomethane	7.562	93	164987	99.519	ug/l	99
47) Bromodichloromethane	7.806	83	345991	101.136	ug/l	98
48) Methyl methacrylate	7.671	41	260358	101.612	ug/l	100
49) 1,4-Dioxane	7.641	88	56717	2190.315	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	1431253	501.834	ug/l	100
52) Toluene	8.702	92	536148	97.811	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	355881	101.986	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	380577	102.038	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	205939	97.434	ug/l	97
56) Ethyl methacrylate	9.098	69	346659	104.435	ug/l	99
57) 1,3-Dichloropropane	9.293	76	362848	99.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	836362	499.814	ug/l	100
59) 2-Hexanone	9.415	43	996274	486.380	ug/l	100
60) Dibromochloromethane	9.506	129	251394	103.226	ug/l	99
61) 1,2-Dibromoethane	9.592	107	217751	101.147	ug/l	100
64) Tetrachloroethene	9.256	164	165559	98.284	ug/l	98
65) Chlorobenzene	10.061	112	588517	100.253	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	208621	102.988	ug/l	100
67) Ethyl Benzene	10.177	91	1031346	101.823	ug/l	100
68) m/p-Xylenes	10.287	106	763898	202.624	ug/l	99
69) o-Xylene	10.622	106	372621	102.186	ug/l	99
70) Styrene	10.634	104	649863	101.710	ug/l	100
71) Bromoform	10.781	173	161188	106.566	ug/l	98
73) Isopropylbenzene	10.945	105	954900	102.768	ug/l	100
74) N-amyl acetate	10.823	43	448344	105.812	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	281608	100.172	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	327988	132.545	ug/l	89
77) Bromobenzene	11.183	156	234666	102.541	ug/l	98
78) n-propylbenzene	11.287	91	1119728	101.941	ug/l	99
79) 2-Chlorotoluene	11.348	91	683867	101.652	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	787327	103.134	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	102555	105.689	ug/l	98
82) 4-Chlorotoluene	11.433	91	802929	101.054	ug/l	100
83) tert-Butylbenzene	11.695	119	791896	101.333	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	790557	102.144	ug/l	99
85) sec-Butylbenzene	11.872	105	945321	101.840	ug/l	100
86) p-Isopropyltoluene	11.994	119	797643	101.501	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	432248	101.689	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	431839	98.985	ug/l	100
89) n-Butylbenzene	12.311	91	757239	104.138	ug/l	99
90) Hexachloroethane	12.518	117	148048	107.304	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	414491	102.352	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	61029	107.225	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	278777	105.922	ug/l	100
94) Hexachlorobutadiene	13.707	225	92124	103.049	ug/l	99
95) Naphthalene	13.756	128	854492	106.620	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	263512	107.633	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

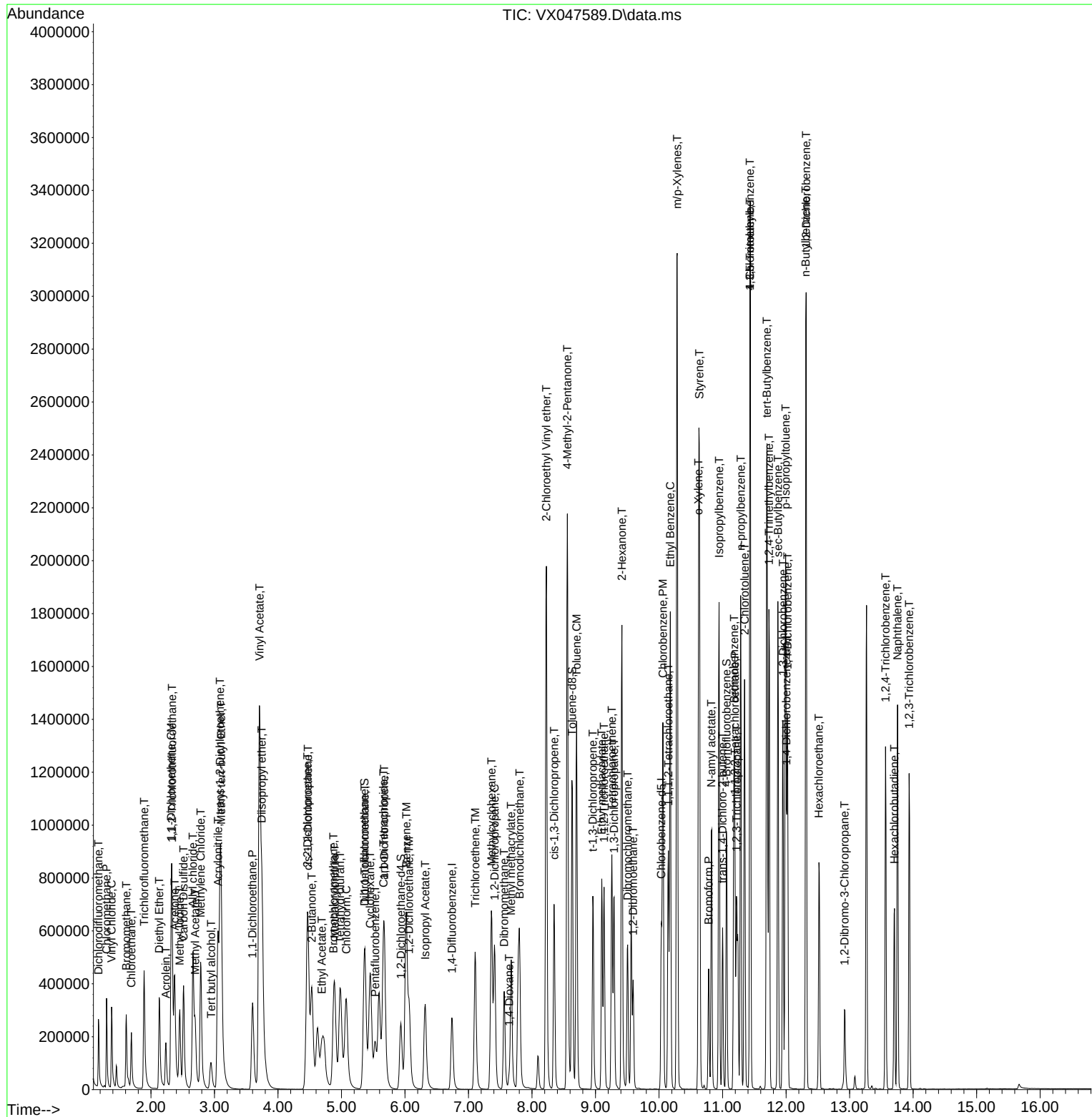
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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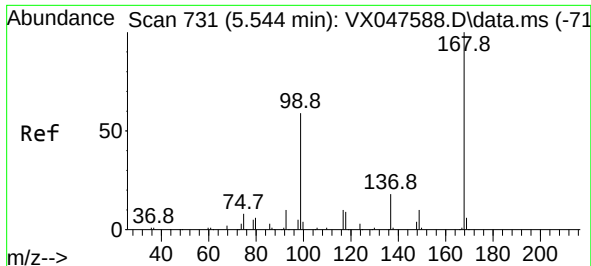
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDIC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

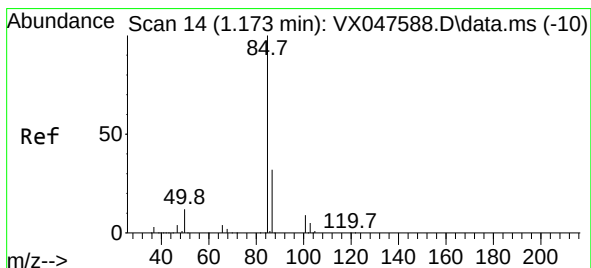
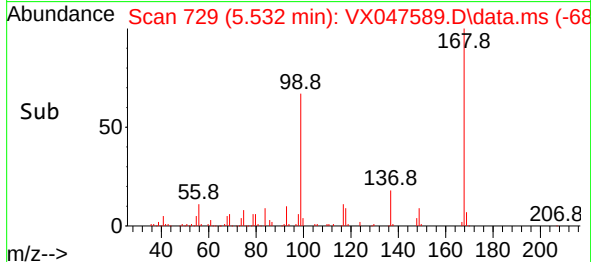
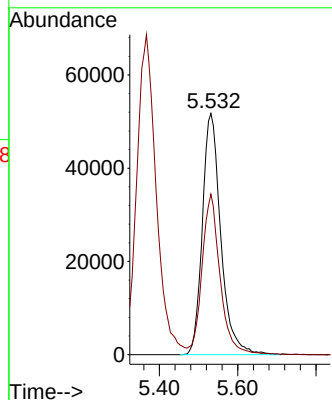
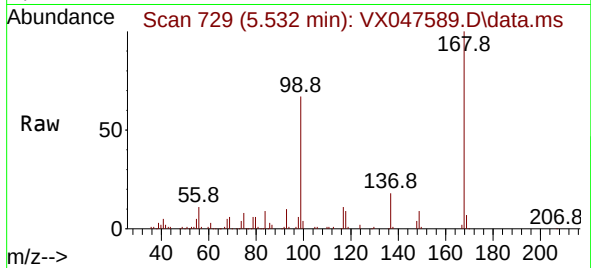




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

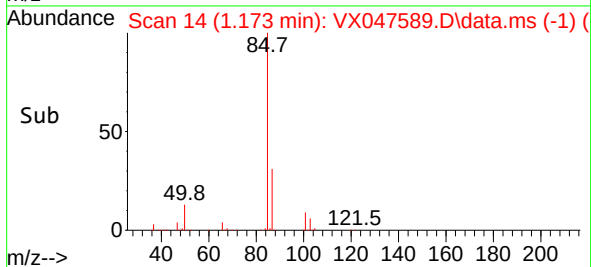
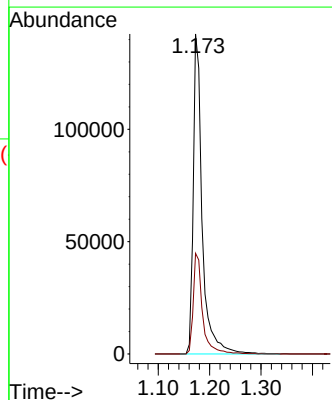
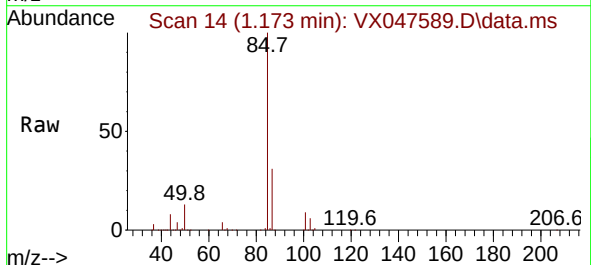
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

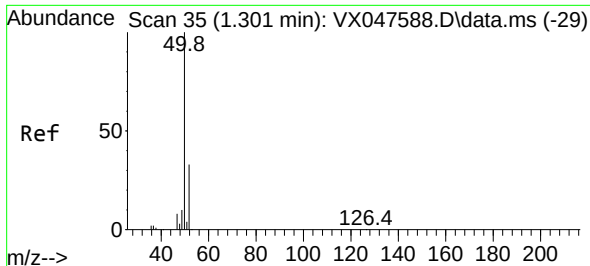
Tgt Ion:168 Resp: 169280
Ion Ratio Lower Upper
168 100
99 66.4 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 98.537 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 85 Resp: 172727
Ion Ratio Lower Upper
85 100
87 31.4 15.8 47.3

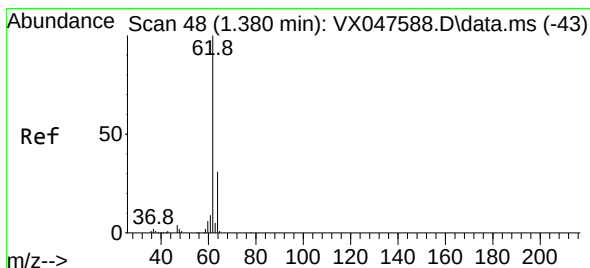
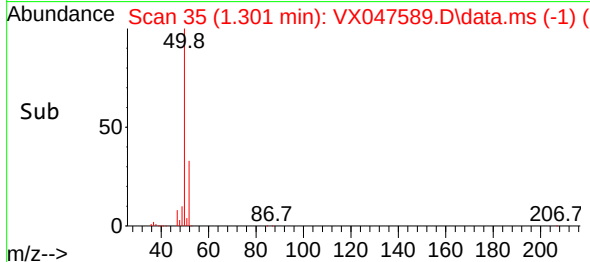
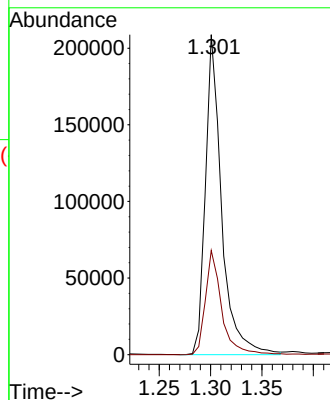
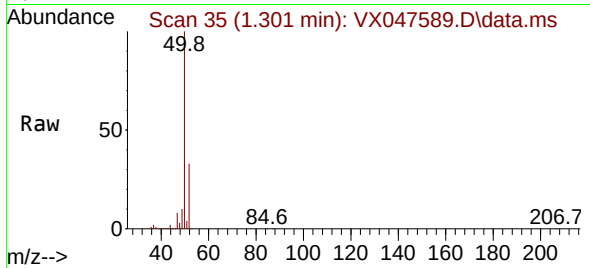




#3
Chloromethane
Concen: 99.472 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

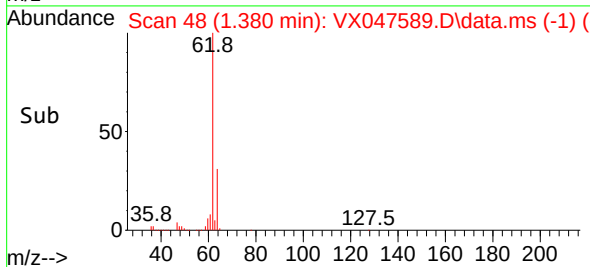
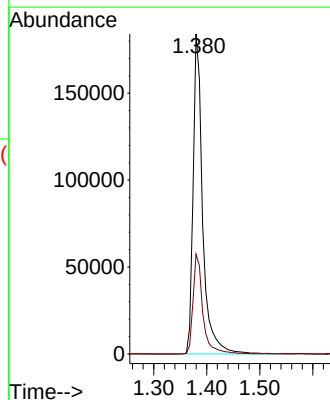
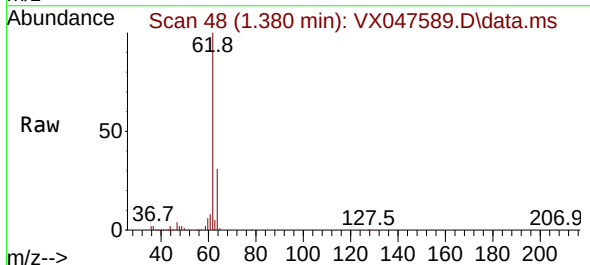
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

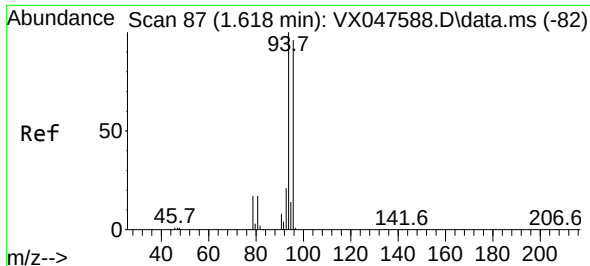
Tgt Ion: 50 Resp: 229165
Ion Ratio Lower Upper
50 100
52 32.5 26.1 39.1



#4
Vinyl Chloride
Concen: 101.621 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 229175
Ion Ratio Lower Upper
62 100
64 31.1 24.9 37.3

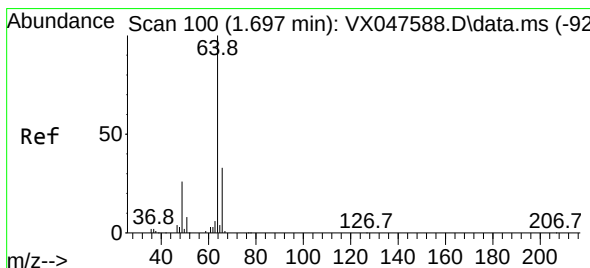
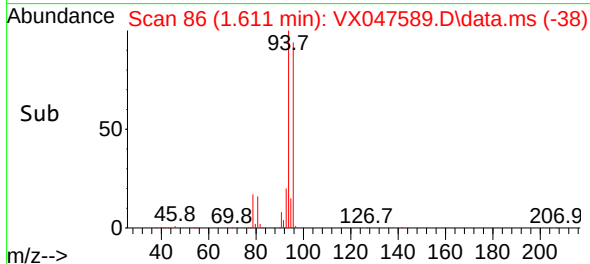
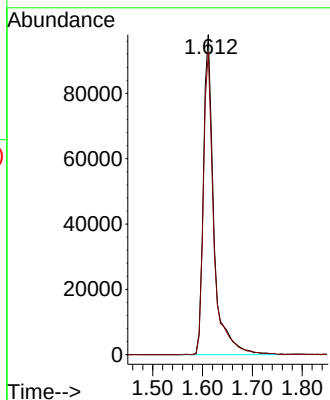
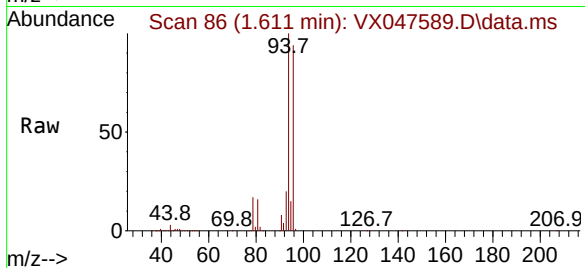




#5
Bromomethane
Concen: 100.076 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

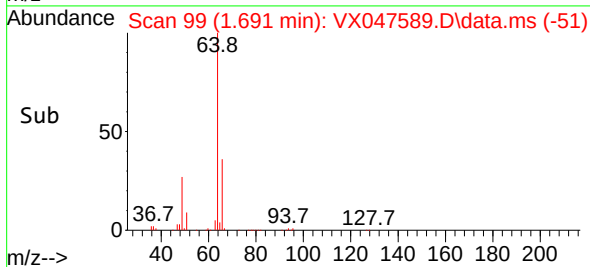
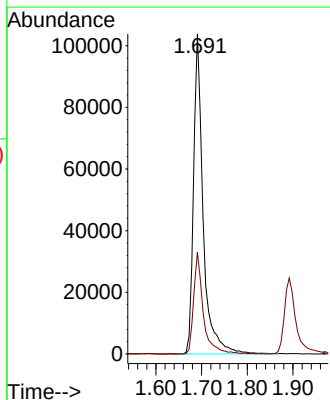
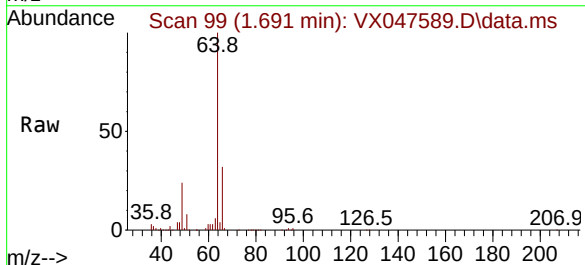
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

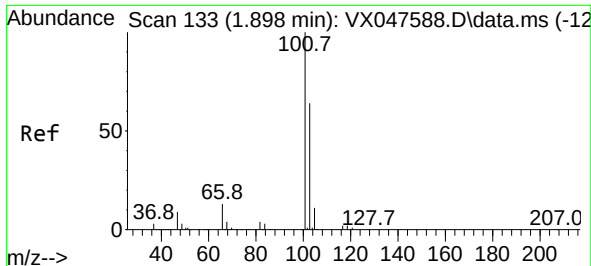
Tgt Ion: 94 Resp: 143113
Ion Ratio Lower Upper
94 100
96 94.4 76.6 115.0



#6
Chloroethane
Concen: 101.167 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 64 Resp: 152487
Ion Ratio Lower Upper
64 100
66 31.8 26.1 39.1

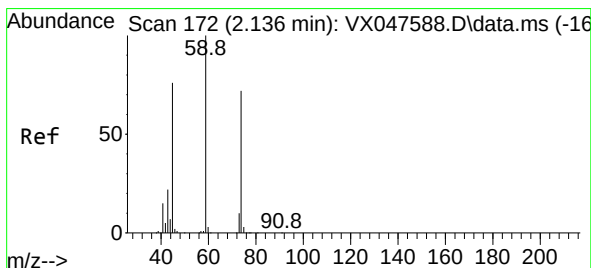
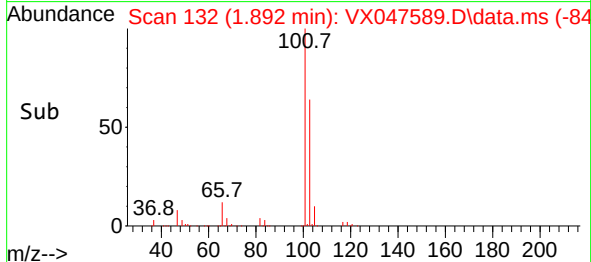
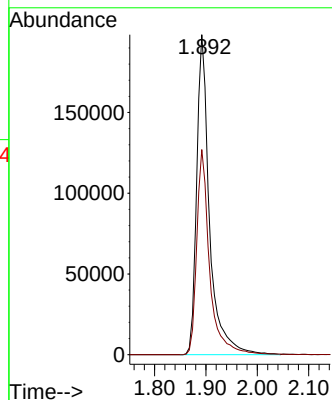
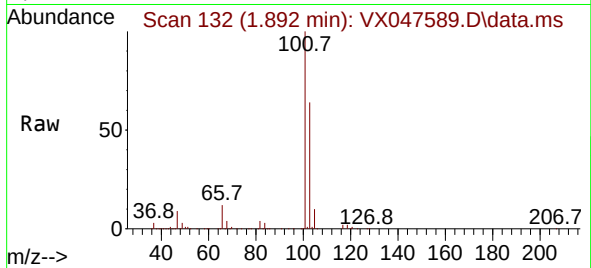




#7
Trichlorofluoromethane
Concen: 102.878 ug/l
RT: 1.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

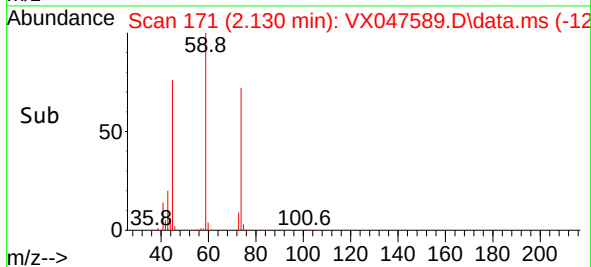
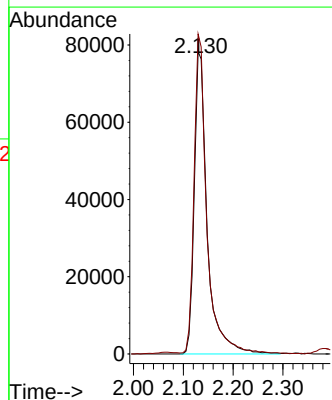
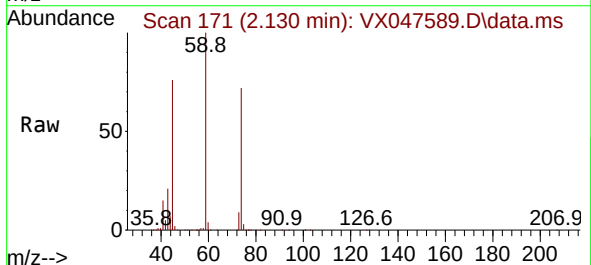
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

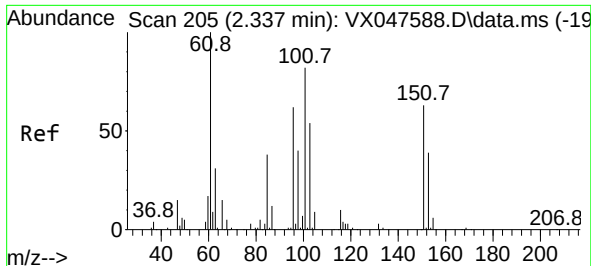
Tgt Ion:101 Resp: 344488
Ion Ratio Lower Upper
101 100
103 64.1 51.4 77.2



#8
Diethyl Ether
Concen: 103.695 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 74 Resp: 142038
Ion Ratio Lower Upper
74 100
45 104.6 52.3 156.8

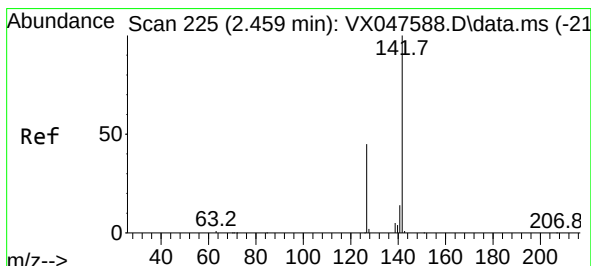
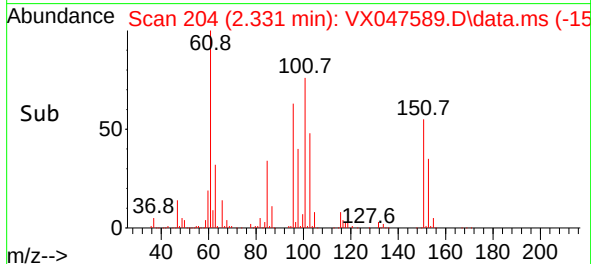
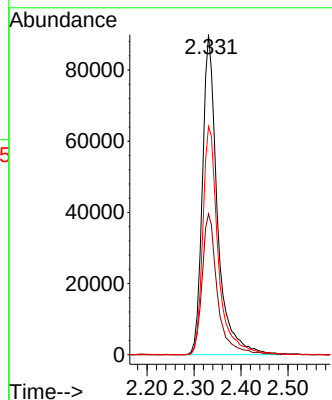
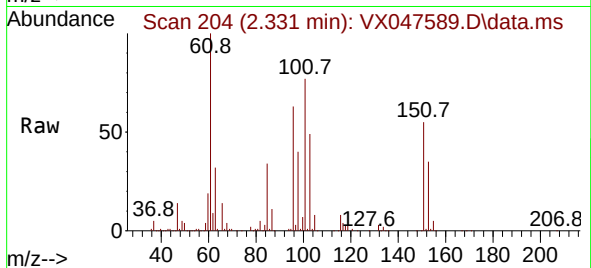




#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.067 ug/l
RT: 2.331 min Scan# 205
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

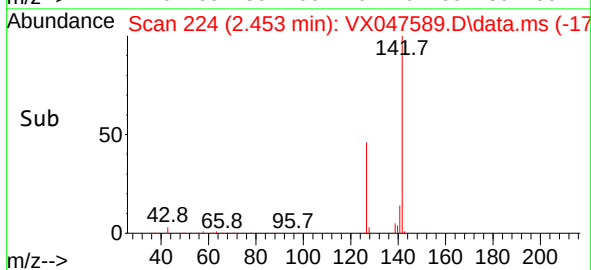
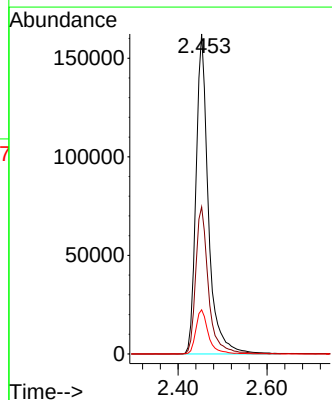
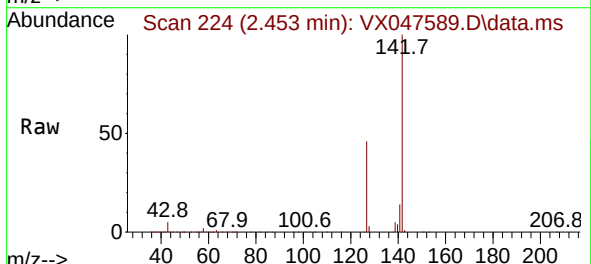
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

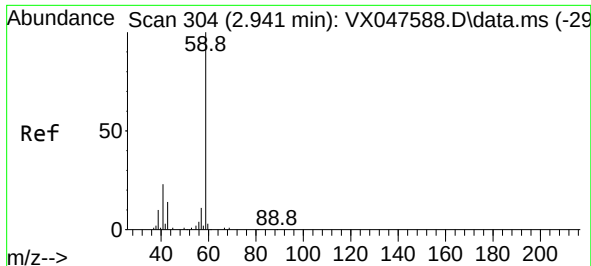
Tgt Ion:101 Resp: 199843
Ion Ratio Lower Upper
101 100
85 45.1 35.5 53.3
151 73.6 59.4 89.0



#10
Methyl Iodide
Concen: 102.531 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:142 Resp: 313092
Ion Ratio Lower Upper
142 100
127 47.3 37.2 55.8
141 14.1 11.4 17.0

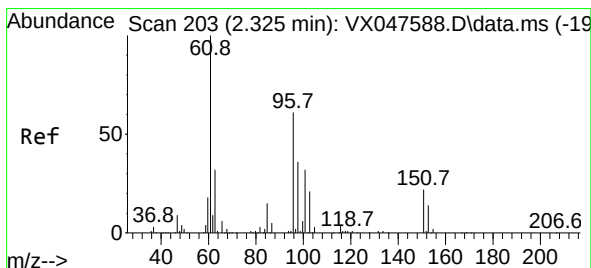
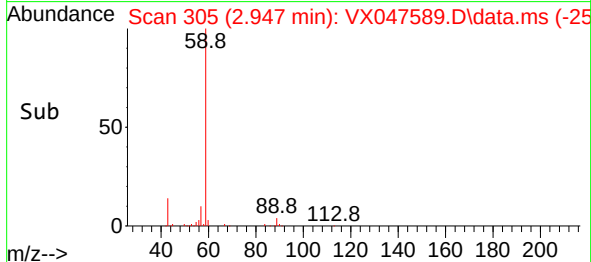
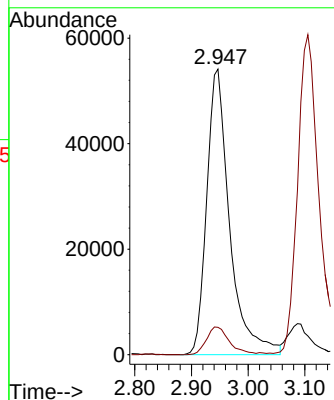
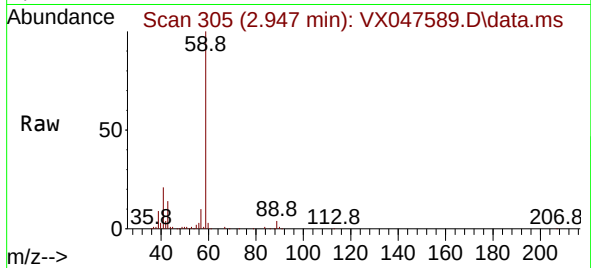




#11
Tert butyl alcohol
Concen: 506.863 ug/l
RT: 2.947 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

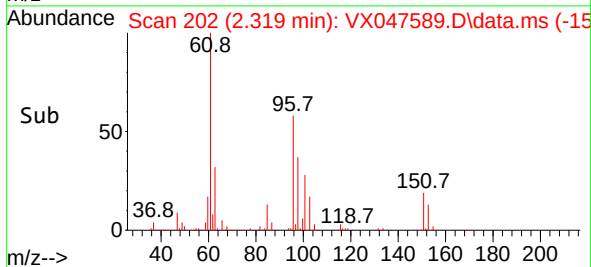
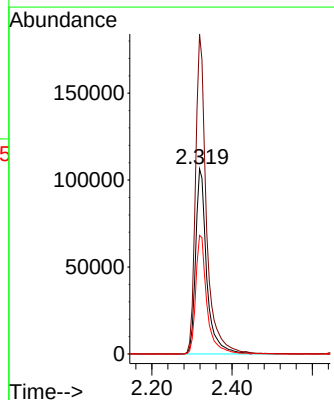
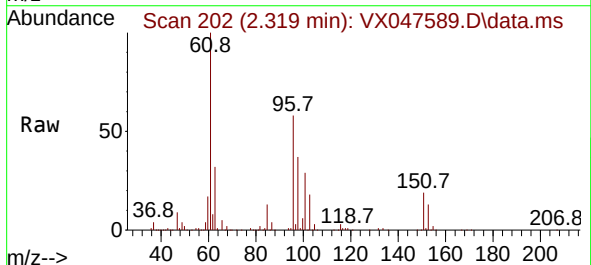
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

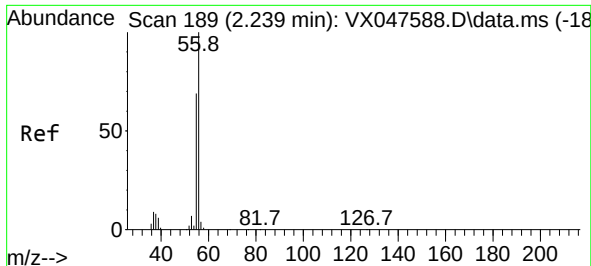
Tgt Ion: 59 Resp: 152108
Ion Ratio Lower Upper
59 100
57 9.7 8.3 12.5



#12
1,1-Dichloroethene
Concen: 102.473 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 206097
Ion Ratio Lower Upper
96 100
61 172.9 131.0 196.6
98 64.0 47.7 71.5

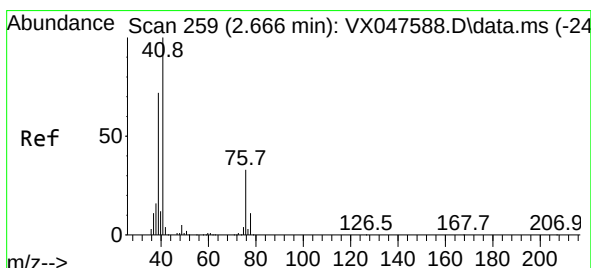
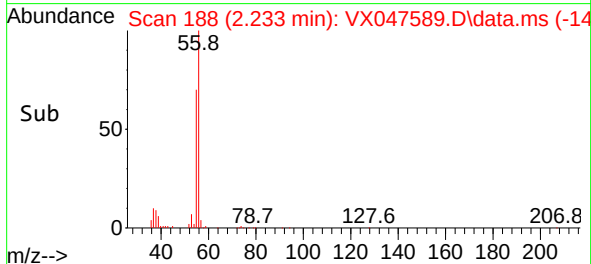
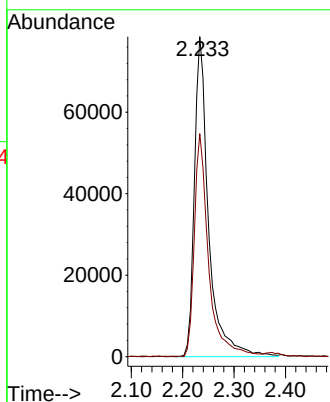
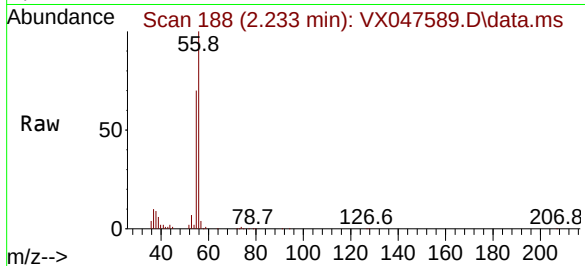




#13
Acrolein
Concen: 545.276 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

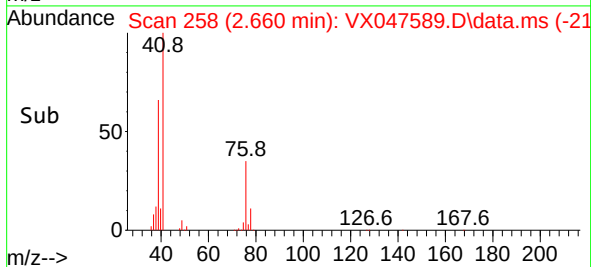
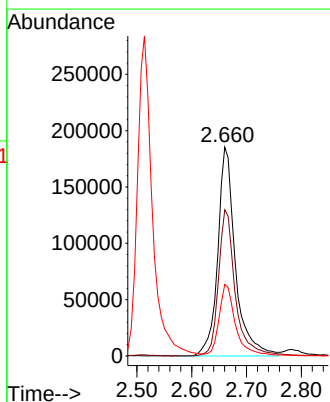
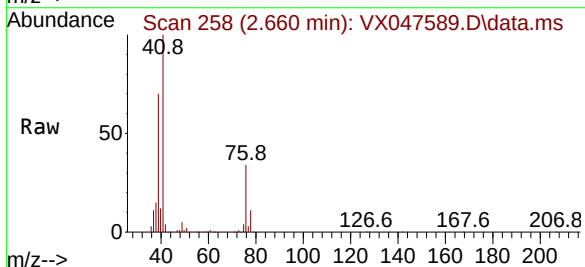
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

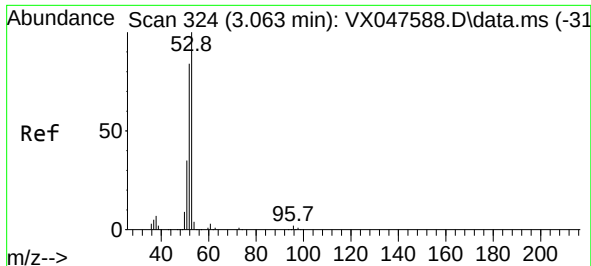
Tgt Ion: 56 Resp: 150793
Ion Ratio Lower Upper
56 100
55 69.4 57.2 85.8



#14
Allyl chloride
Concen: 100.028 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 415140
Ion Ratio Lower Upper
41 100
39 67.0 54.7 82.1
76 32.2 25.7 38.5

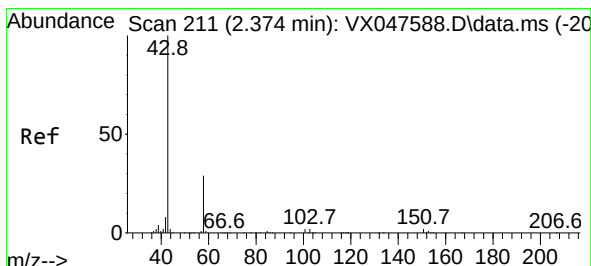
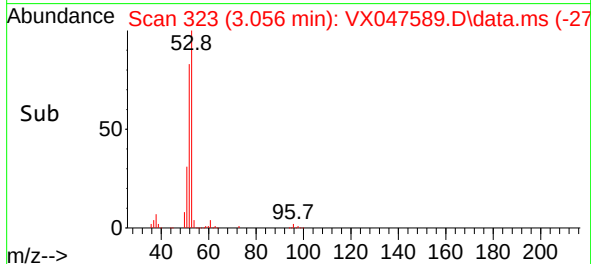
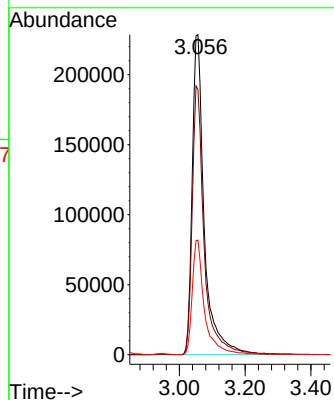
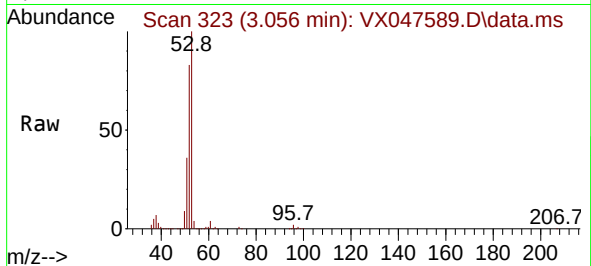




#15
Acrylonitrile
Concen: 522.897 ug/l
RT: 3.056 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

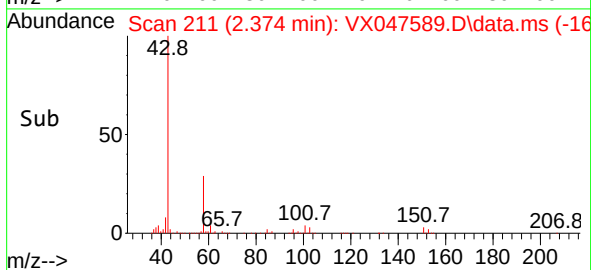
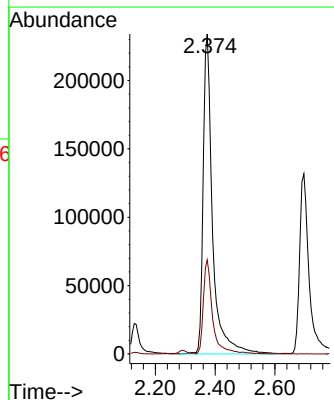
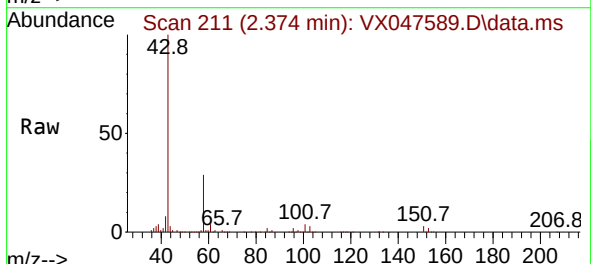
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

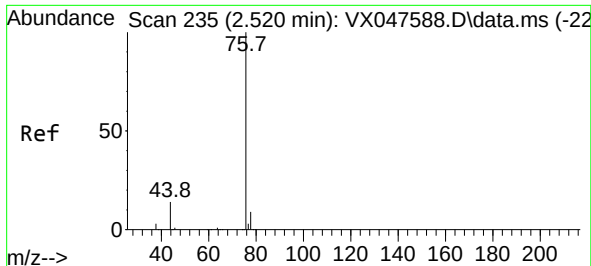
Tgt Ion: 53 Resp: 581240
Ion Ratio Lower Upper
53 100
52 82.9 66.4 99.6
51 36.4 29.5 44.3



#16
Acetone
Concen: 435.772 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 510542
Ion Ratio Lower Upper
43 100
58 29.4 23.4 35.0

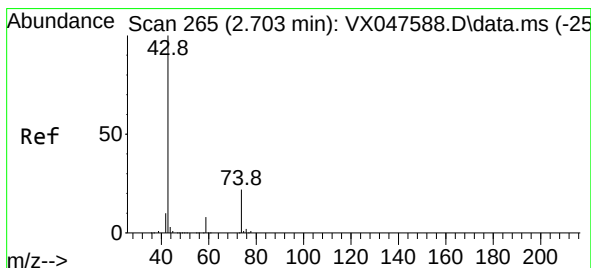
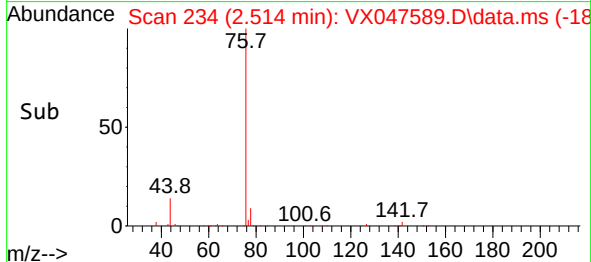
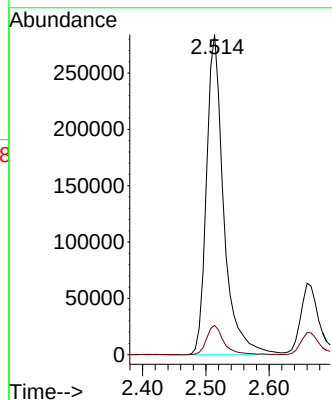
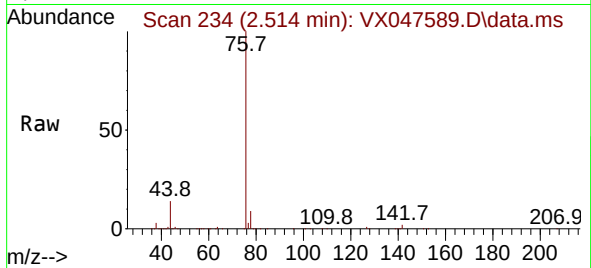




#17
Carbon Disulfide
Concen: 97.693 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

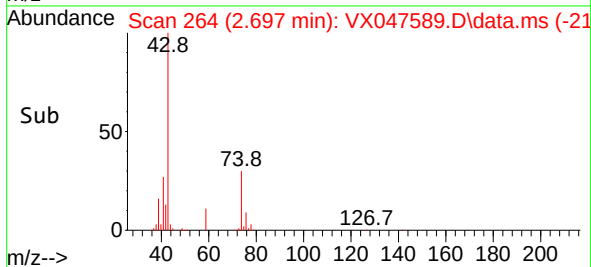
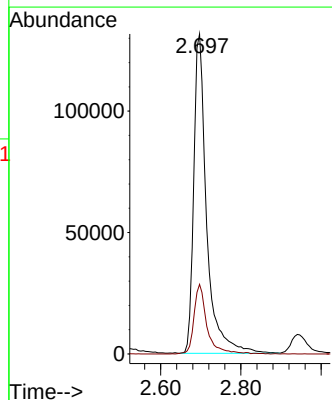
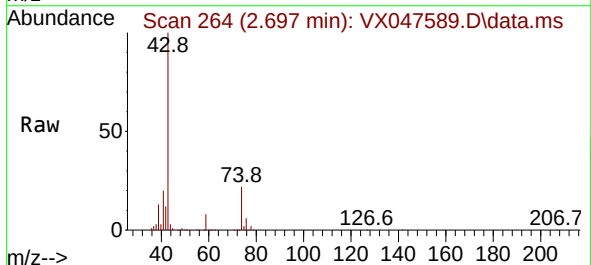
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

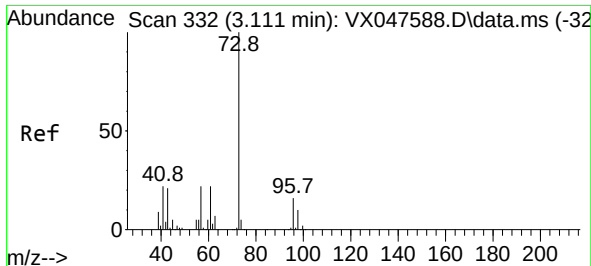
Tgt Ion: 76 Resp: 537888
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2



#18
Methyl Acetate
Concen: 112.324 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 292867
Ion Ratio Lower Upper
43 100
74 21.8 17.4 26.2

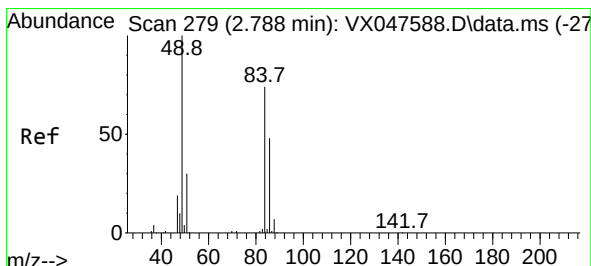
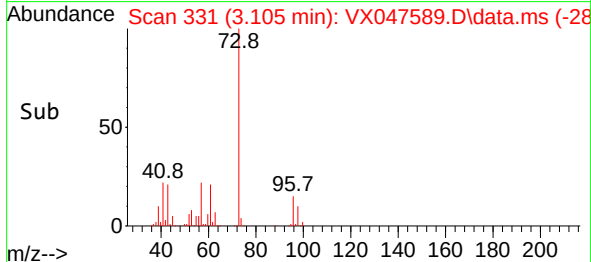
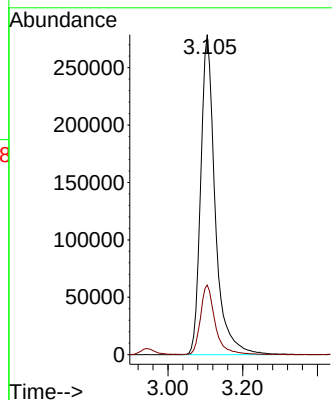
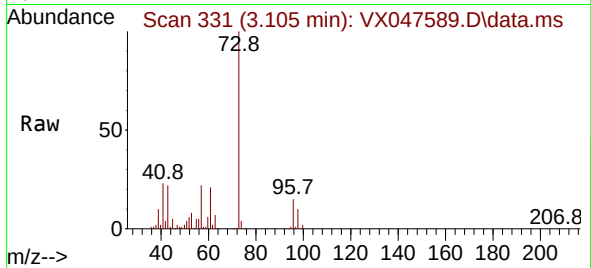




#19
Methyl tert-butyl Ether
Concen: 102.011 ug/l
RT: 3.105 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

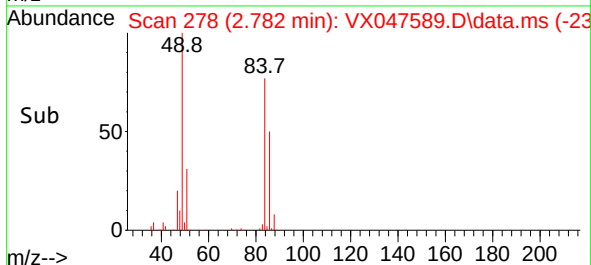
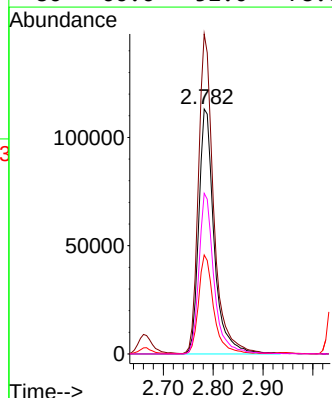
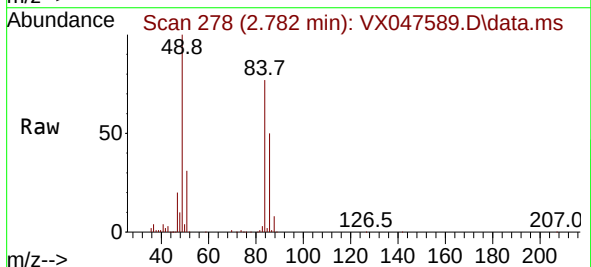
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

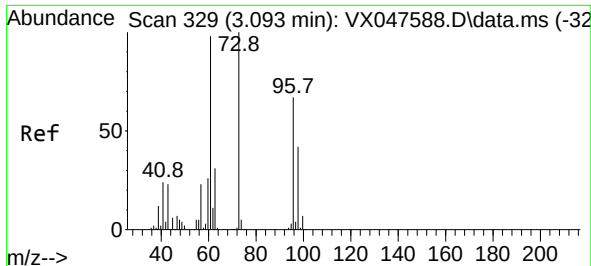
Tgt Ion: 73 Resp: 748952
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.2



#20
Methylene Chloride
Concen: 97.805 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 84 Resp: 242548
Ion Ratio Lower Upper
84 100
49 130.4 108.6 162.8
51 40.3 32.6 48.8
86 66.6 52.0 78.0

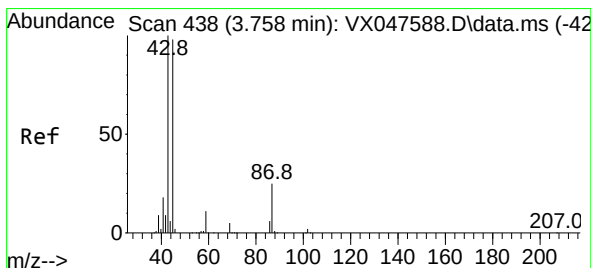
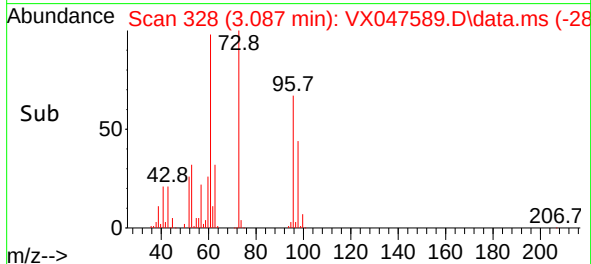
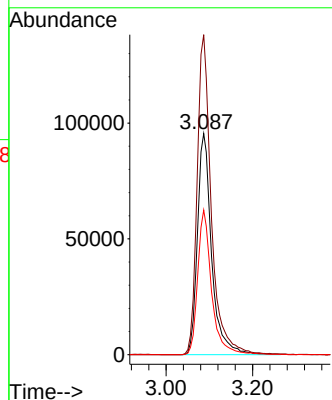
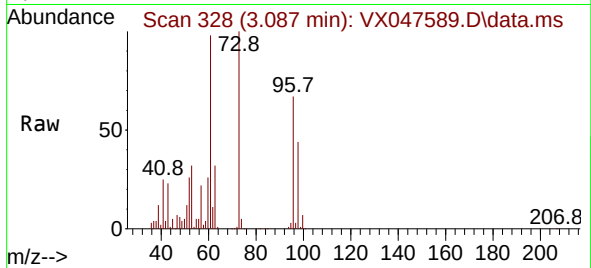




#21
trans-1,2-Dichloroethene
Concen: 100.566 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

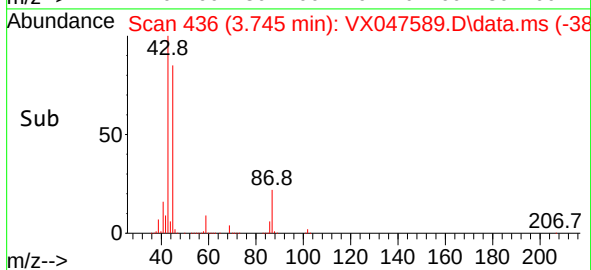
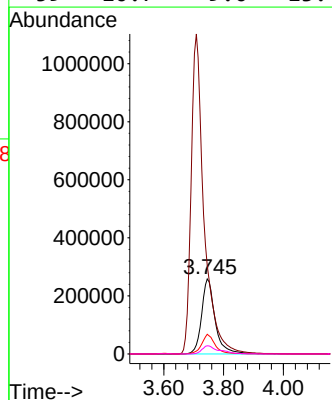
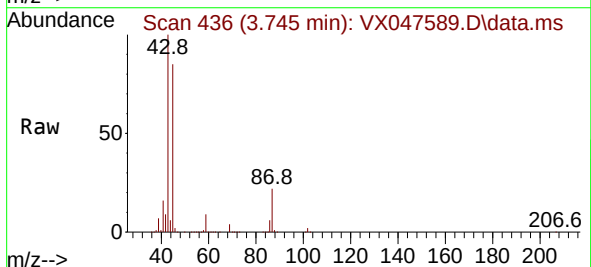
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

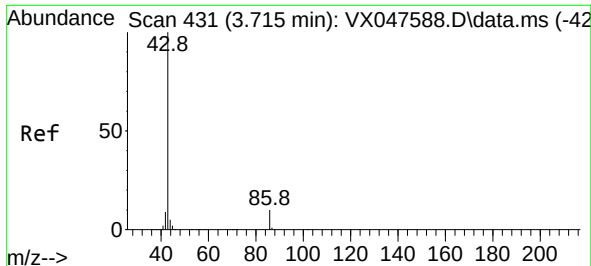
Tgt Ion: 96 Resp: 217759
Ion Ratio Lower Upper
96 100
61 144.7 116.2 174.2
98 65.4 49.3 73.9



#22
Diisopropyl ether
Concen: 100.934 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 45 Resp: 811840
Ion Ratio Lower Upper
45 100
43 117.3 81.0 121.4
87 26.1 20.3 30.5
59 10.7 9.0 13.4

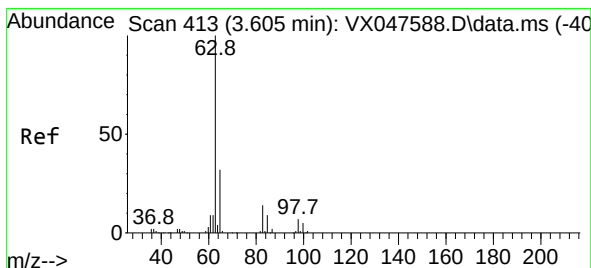
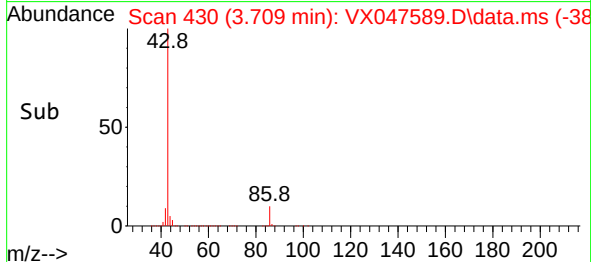
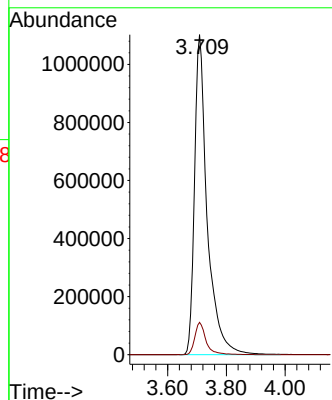
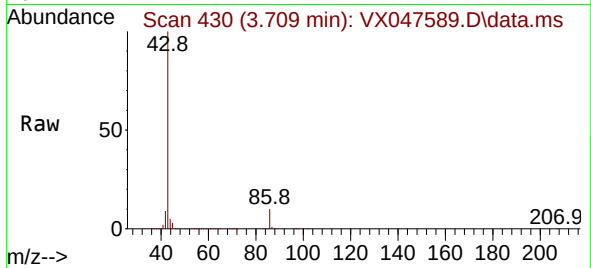




#23
 Vinyl Acetate
 Concen: 514.916 ug/l
 RT: 3.709 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX047589.D
 Acq: 16 Sep 2025 11:40

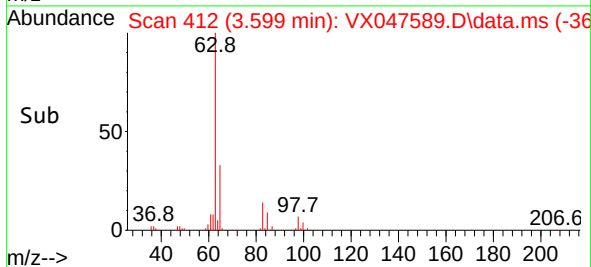
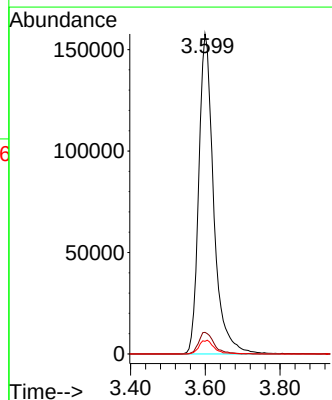
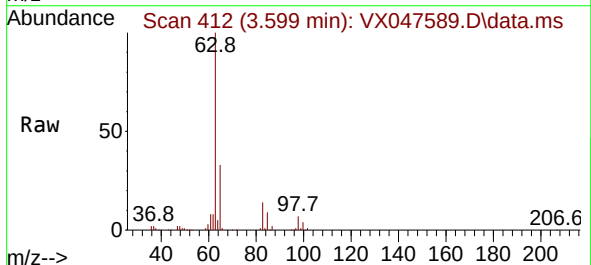
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

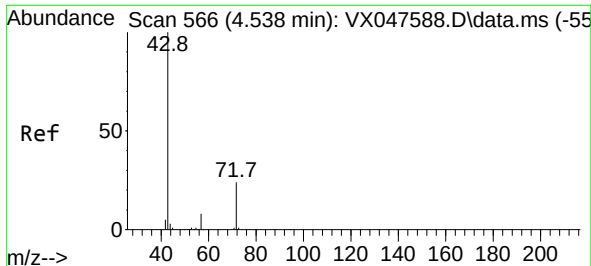
Tgt Ion: 43 Resp: 3314707
 Ion Ratio Lower Upper
 43 100
 86 10.1 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 101.944 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.006 min
 Lab File: VX047589.D
 Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 435815
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.8 11.2
 100 4.0 2.3 6.9

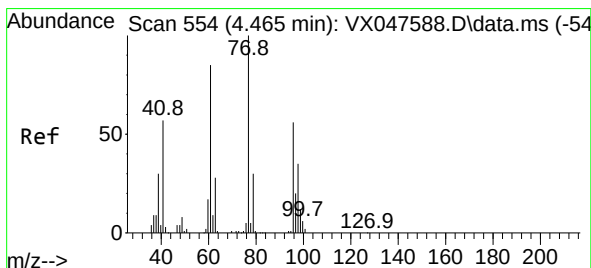
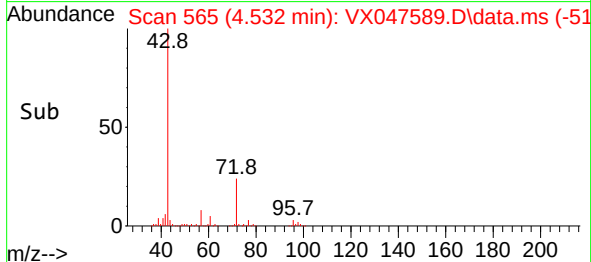
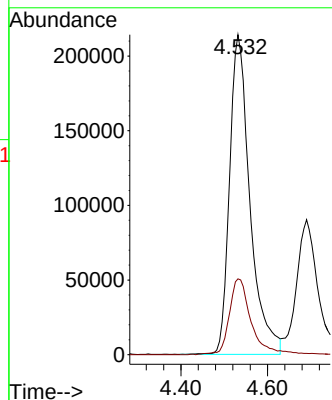
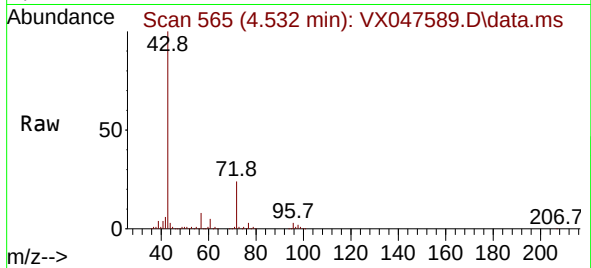




#25
2-Butanone
Concen: 479.558 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

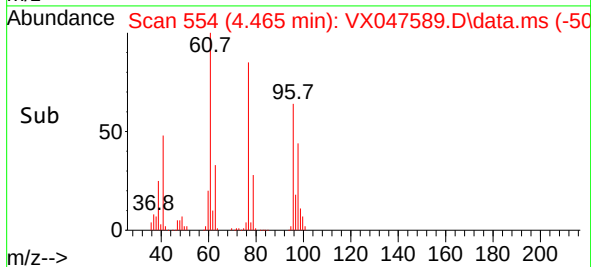
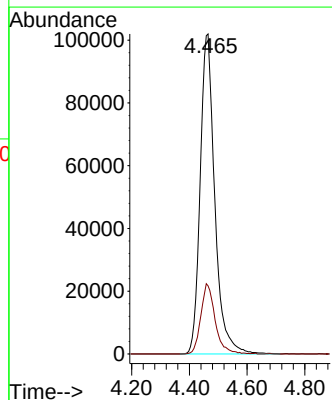
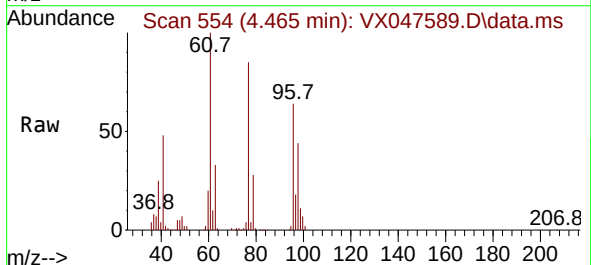
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

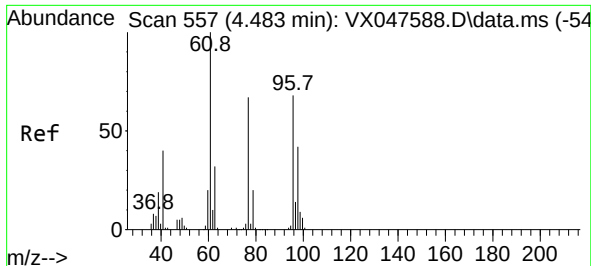
Tgt Ion: 43 Resp: 700827
Ion Ratio Lower Upper
43 100
72 23.8 20.1 30.1



#26
2,2-Dichloropropane
Concen: 100.542 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 77 Resp: 357292
Ion Ratio Lower Upper
77 100
97 21.6 10.9 32.7

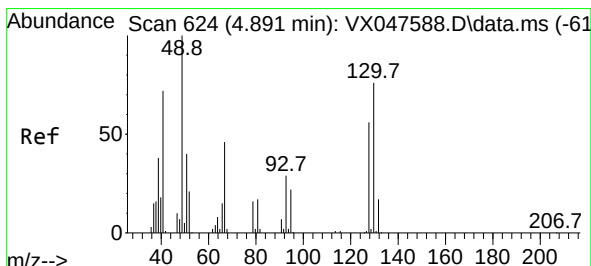
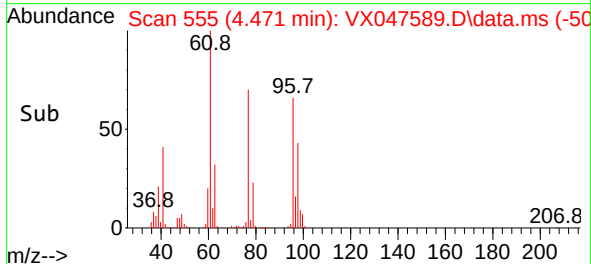
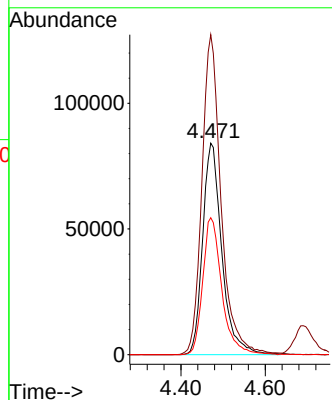
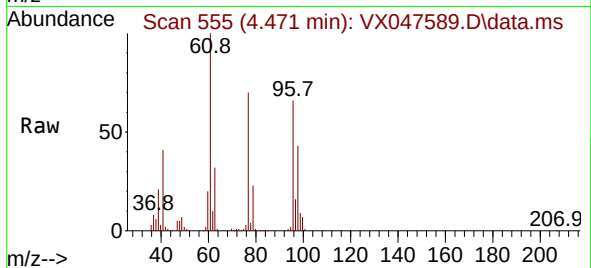




#27
 cis-1,2-Dichloroethene
 Concen: 100.516 ug/l
 RT: 4.471 min Scan# 51
 Delta R.T. -0.012 min
 Lab File: VX047589.D
 Acq: 16 Sep 2025 11:40

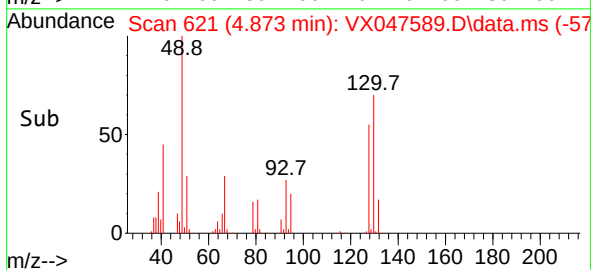
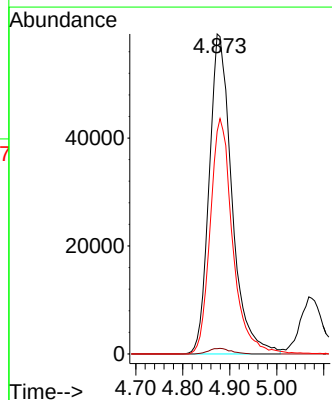
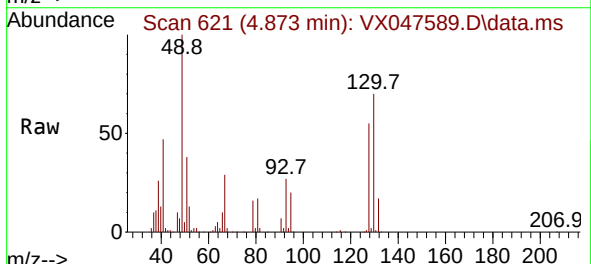
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

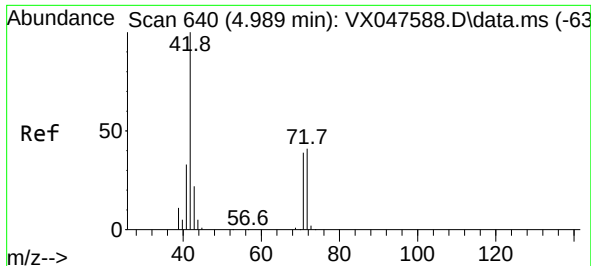
Tgt Ion: 96 Resp: 266550
 Ion Ratio Lower Upper
 96 100
 61 151.5 0.0 303.2
 98 64.4 0.0 127.8



#28
 Bromochloromethane
 Concen: 106.512 ug/l
 RT: 4.873 min Scan# 621
 Delta R.T. -0.018 min
 Lab File: VX047589.D
 Acq: 16 Sep 2025 11:40

Tgt Ion: 49 Resp: 198788
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.2
 130 72.8 57.8 86.8





#29

Tetrahydrofuran

Concen: 504.502 ug/l

RT: 4.977 min Scan# 61

Delta R.T. -0.012 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

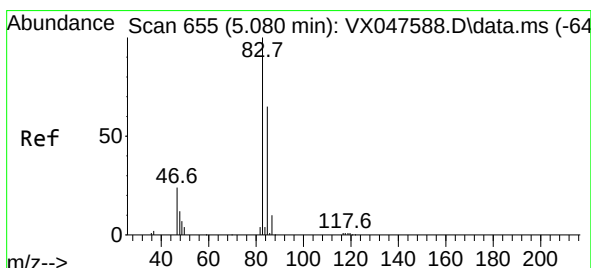
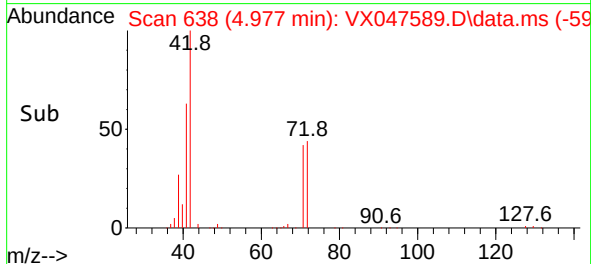
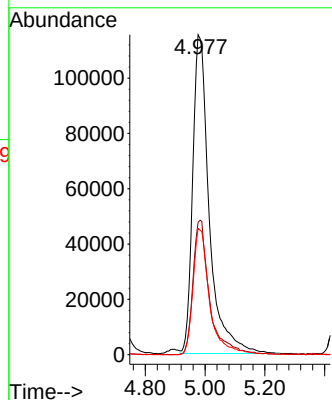
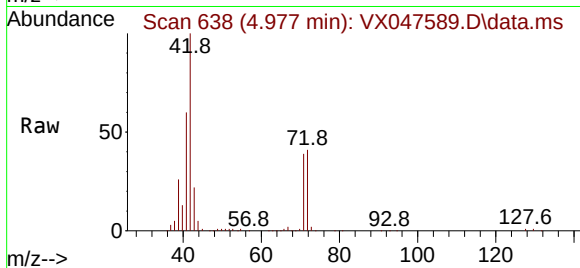
Tgt Ion: 42 Resp: 443530

Ion Ratio Lower Upper

42 100

72 42.4 34.2 51.2

71 39.5 31.9 47.9



#30

Chloroform

Concen: 100.447 ug/l

RT: 5.074 min Scan# 654

Delta R.T. -0.006 min

Lab File: VX047589.D

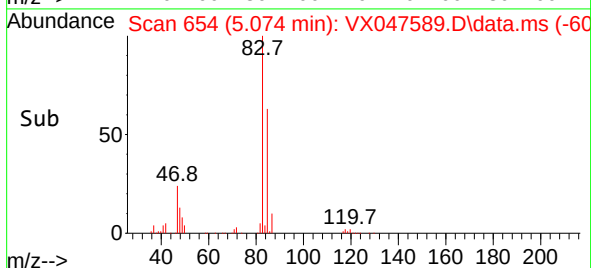
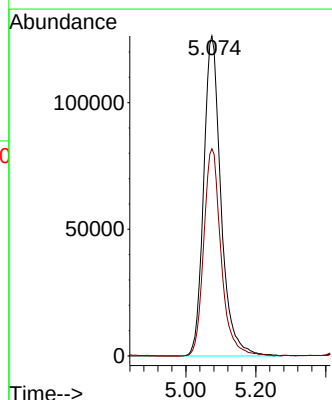
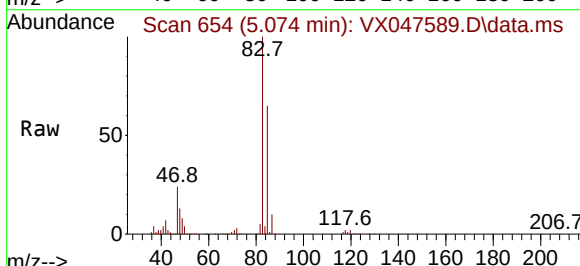
Acq: 16 Sep 2025 11:40

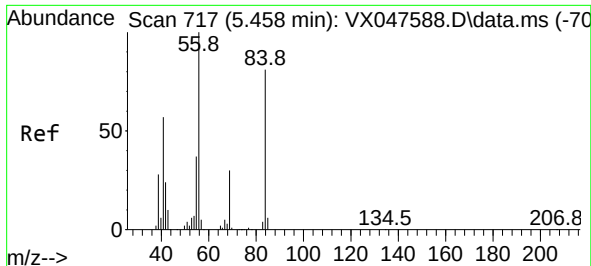
Tgt Ion: 83 Resp: 433937

Ion Ratio Lower Upper

83 100

85 64.8 51.8 77.6

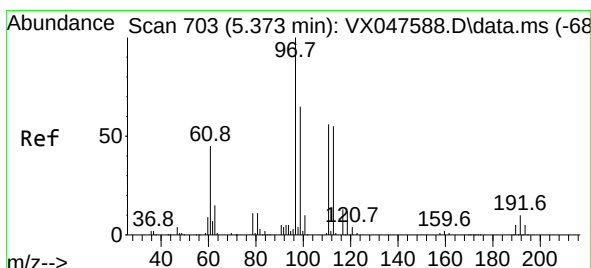
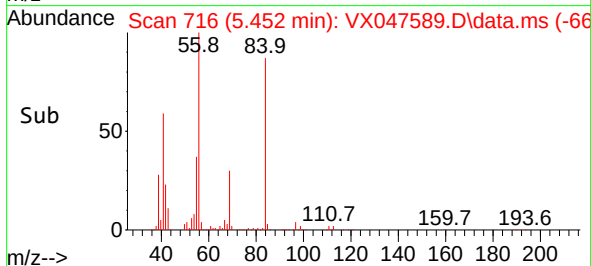
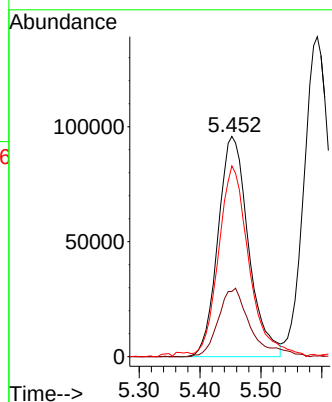
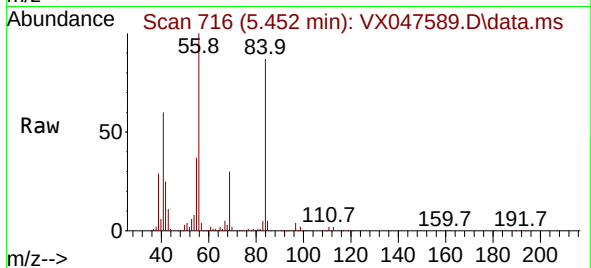




#31
Cyclohexane
Concen: 93.523 ug/l
RT: 5.452 min Scan# 716
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

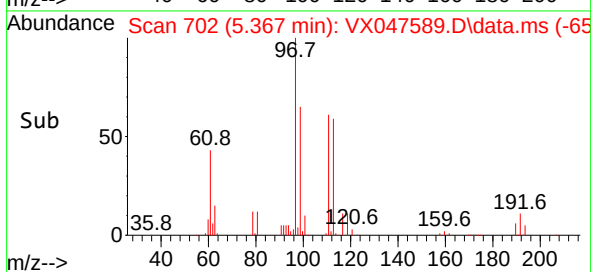
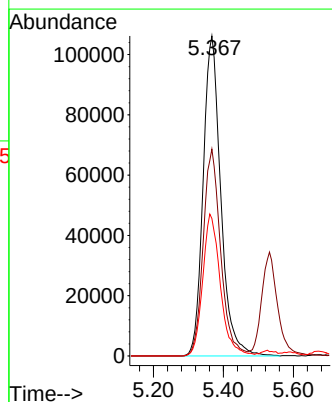
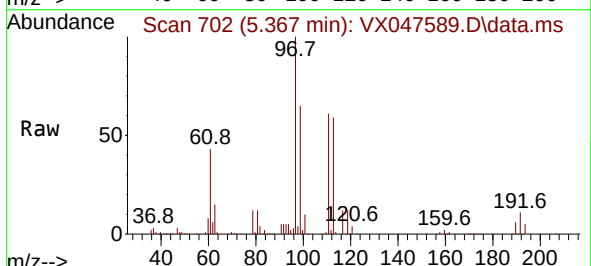
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

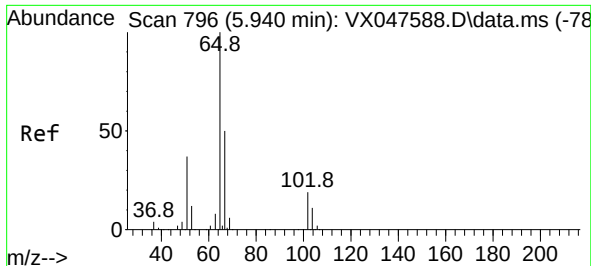
Tgt Ion: 56 Resp: 332995
Ion Ratio Lower Upper
56 100
69 29.0 23.8 35.8
84 84.7 64.6 97.0



#32
1,1,1-Trichloroethane
Concen: 101.607 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 97 Resp: 372323
Ion Ratio Lower Upper
97 100
99 63.8 50.6 76.0
61 44.4 35.8 53.8

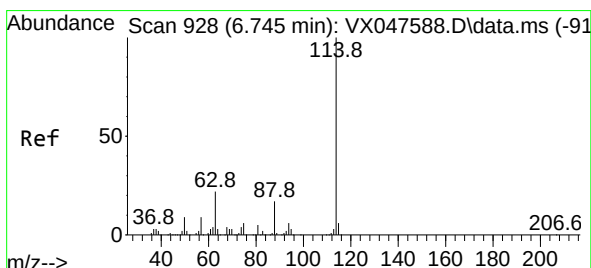
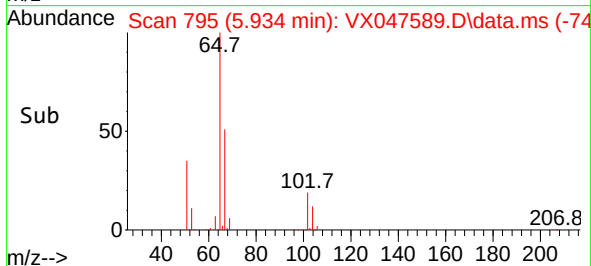
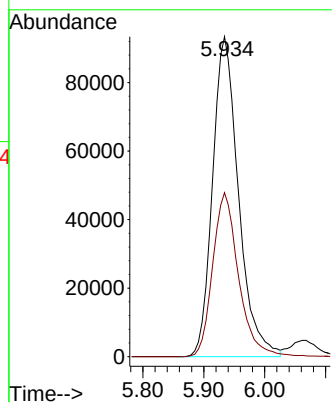
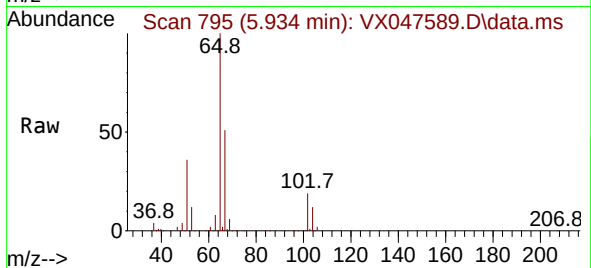




#33
 1,2-Dichloroethane-d4
 Concen: 102.341 ug/l
 RT: 5.934 min Scan# 796
 Delta R.T. -0.006 min
 Lab File: VX047589.D
 Acq: 16 Sep 2025 11:40

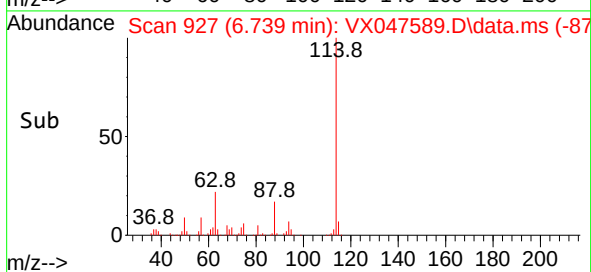
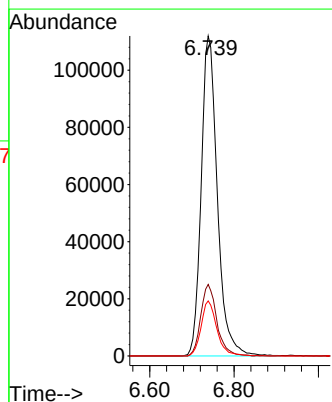
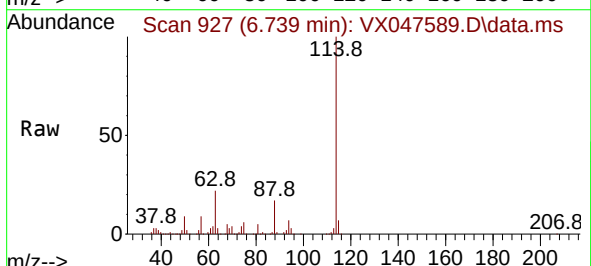
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

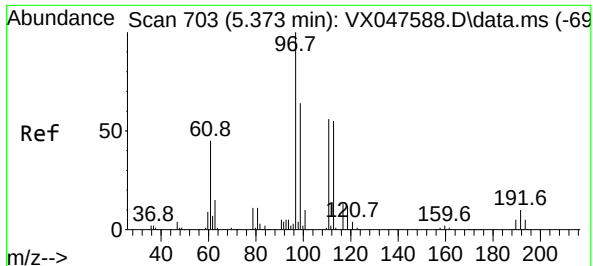
Tgt Ion: 65 Resp: 275758
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.739 min Scan# 927
 Delta R.T. -0.006 min
 Lab File: VX047589.D
 Acq: 16 Sep 2025 11:40

Tgt Ion: 114 Resp: 298913
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.0
 88 17.2 0.0 34.2

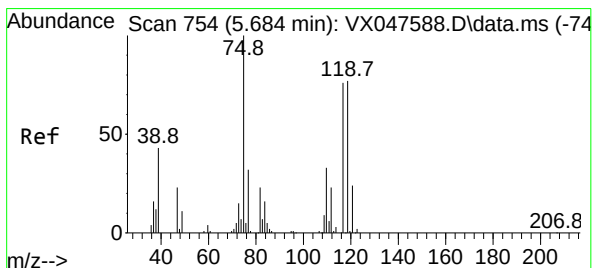
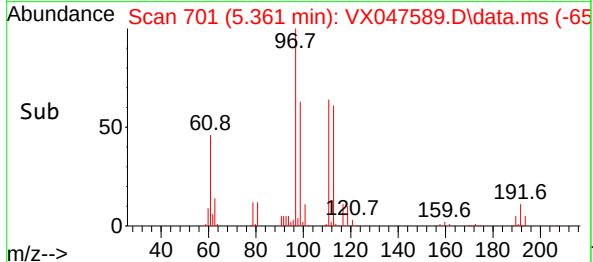
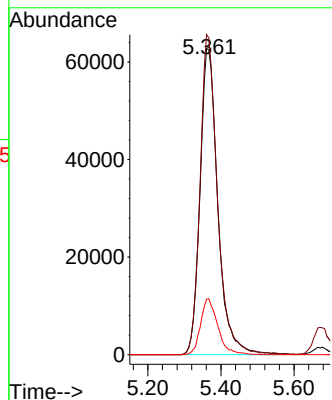
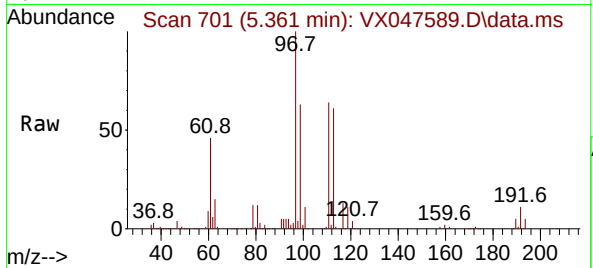




#35
Dibromofluoromethane
Concen: 105.962 ug/l
RT: 5.361 min Scan# 703
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

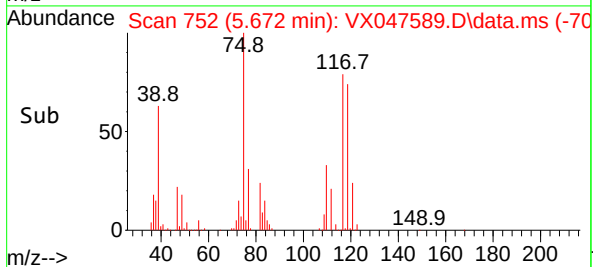
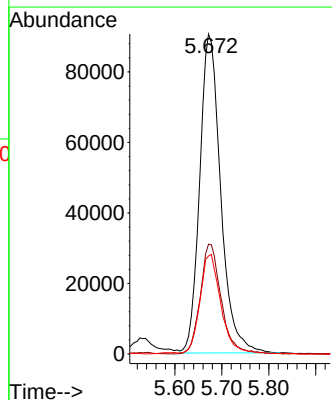
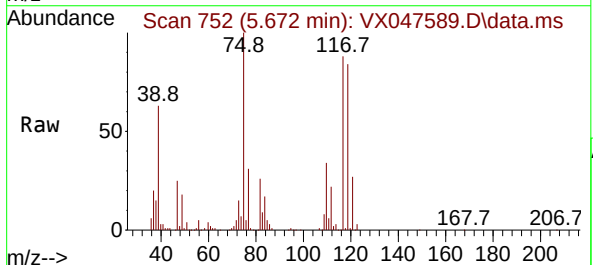
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

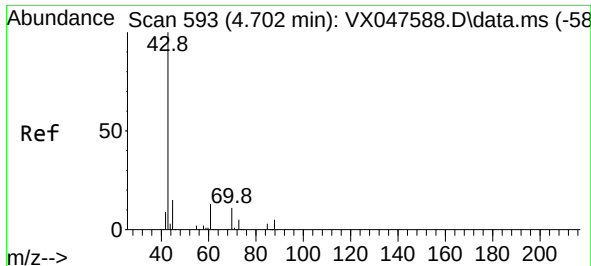
Tgt Ion:113 Resp: 212419
Ion Ratio Lower Upper
113 100
111 101.8 80.9 121.3
192 17.7 14.2 21.4



#36
1,1-Dichloropropene
Concen: 96.149 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 281650
Ion Ratio Lower Upper
75 100
110 34.3 16.7 50.1
77 31.3 24.3 36.5





#37

Ethyl Acetate

Concen: 101.641 ug/l

RT: 4.690 min Scan# 591

Delta R.T. -0.012 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

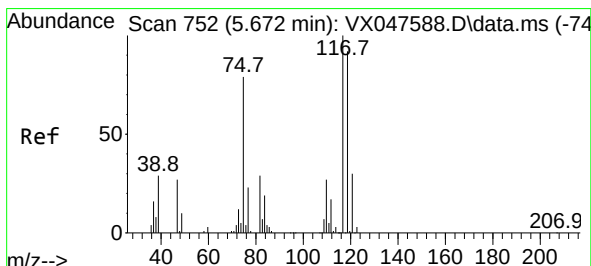
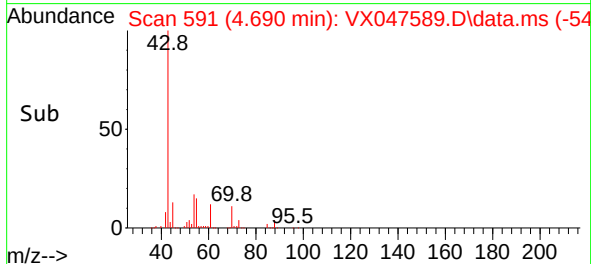
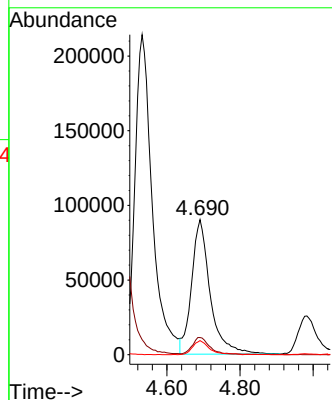
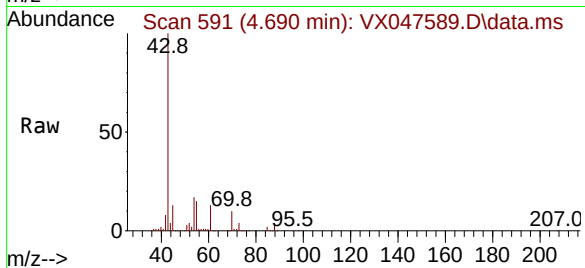
Tgt Ion: 43 Resp: 318793

Ion Ratio Lower Upper

43 100

61 12.0 9.8 14.8

70 9.4 7.9 11.9



#38

Carbon Tetrachloride

Concen: 98.891 ug/l

RT: 5.660 min Scan# 750

Delta R.T. -0.012 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

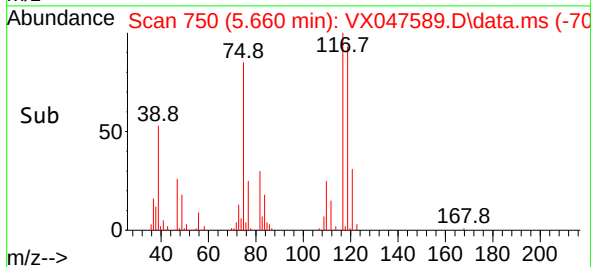
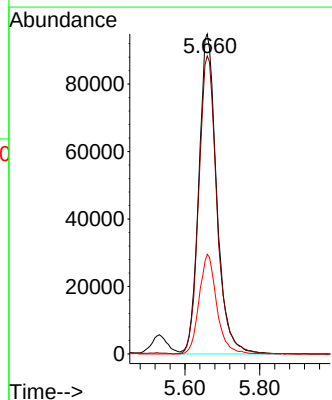
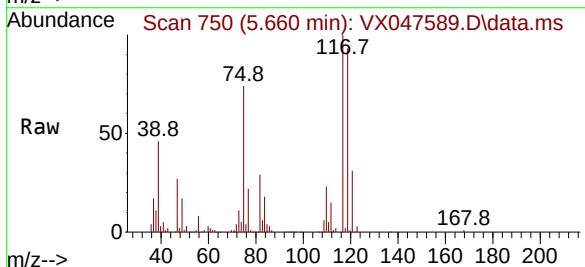
Tgt Ion: 117 Resp: 314745

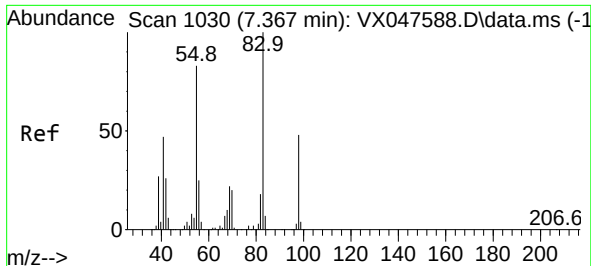
Ion Ratio Lower Upper

117 100

119 93.0 73.4 110.2

121 31.2 23.8 35.6

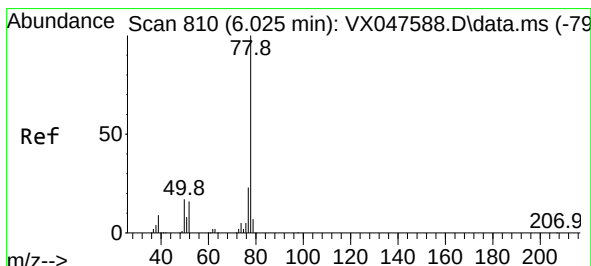
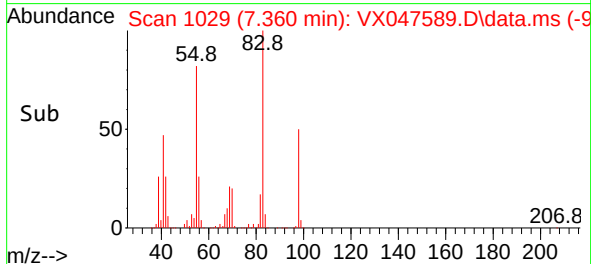
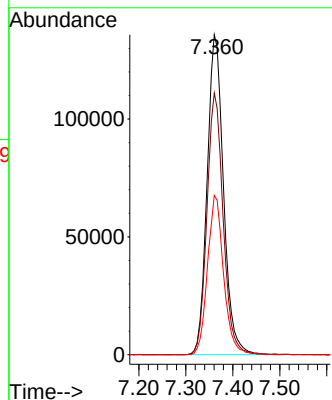
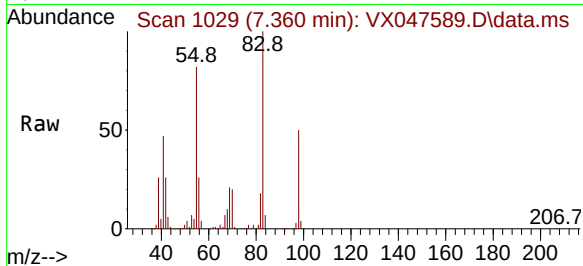




#39
Methylcyclohexane
Concen: 98.600 ug/l
RT: 7.360 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

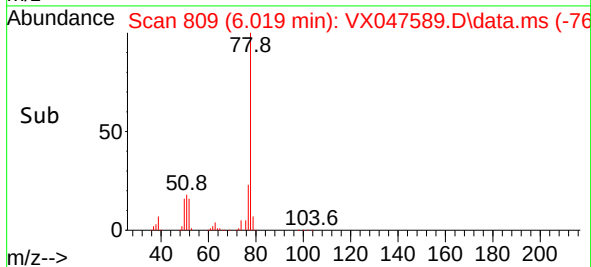
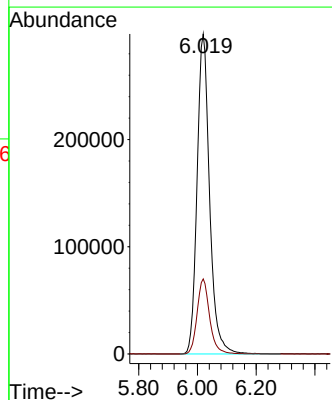
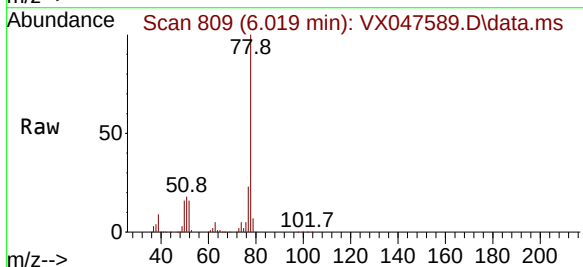
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

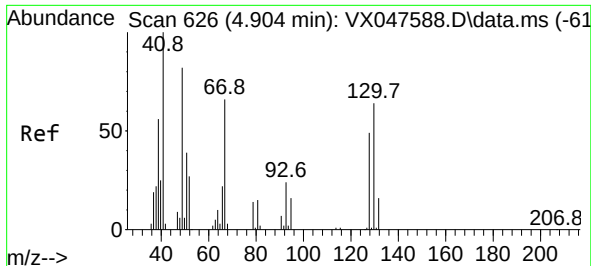
Tgt Ion:	83	Resp:	327858
Ion	Ratio	Lower	Upper
83	100		
55	81.8	66.4	99.6
98	49.8	38.1	57.1



#40
Benzene
Concen: 99.009 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:	78	Resp:	880885
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



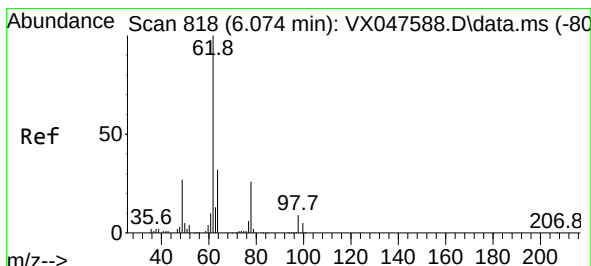
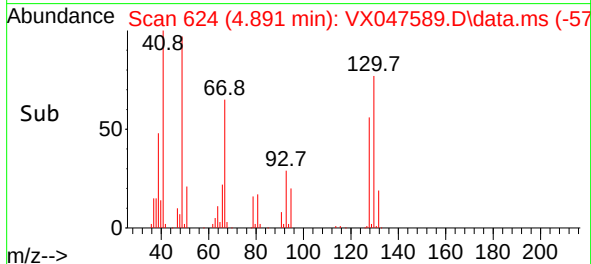
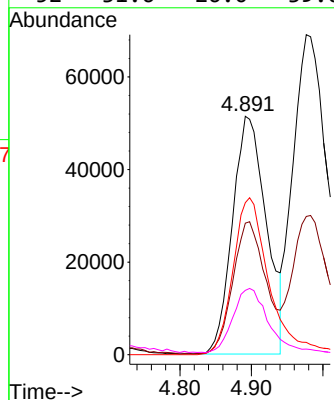
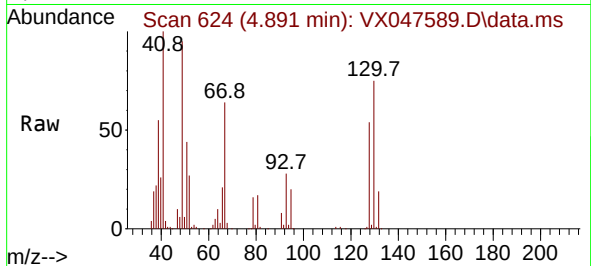


#41
Methacrylonitrile
Concen: 104.220 ug/l
RT: 4.891 min Scan# 61
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 168753

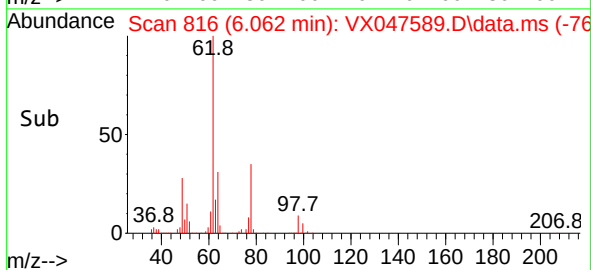
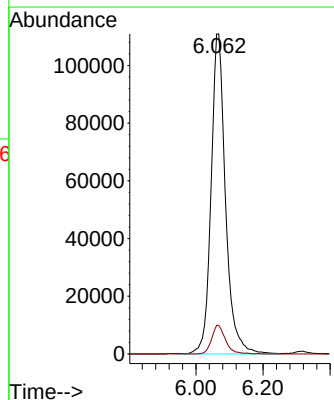
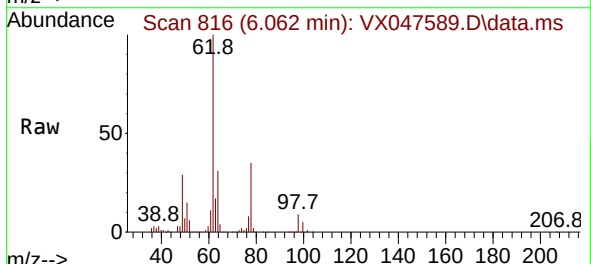
Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.3	64.9
67	72.1	58.6	87.8
52	31.6	26.0	39.0

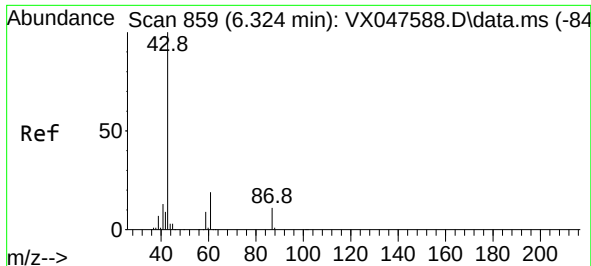


#42
1,2-Dichloroethane
Concen: 97.916 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 331465

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0

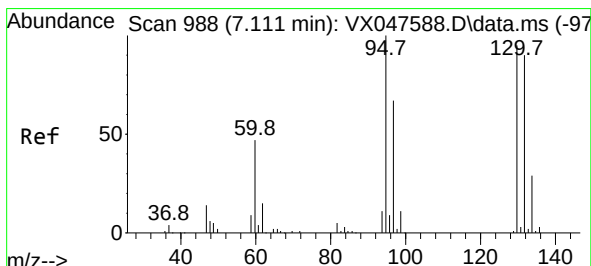
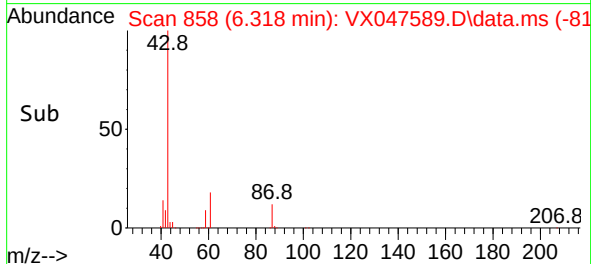
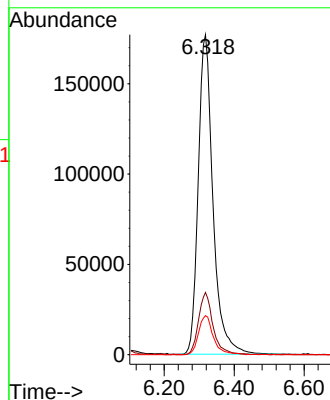
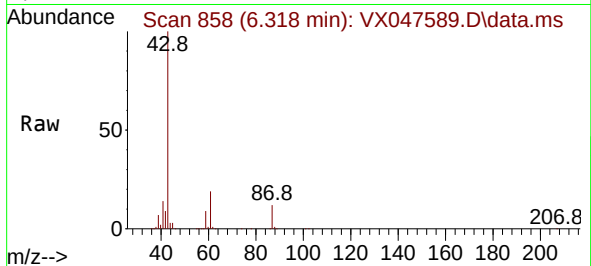




#43
Isopropyl Acetate
Concen: 100.482 ug/l
RT: 6.318 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

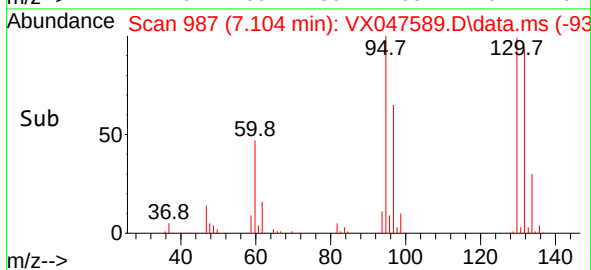
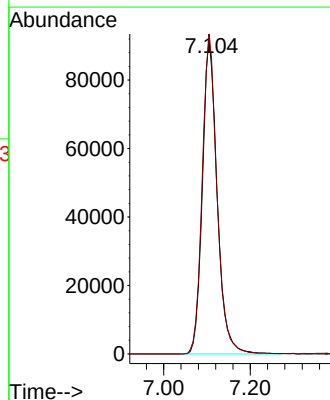
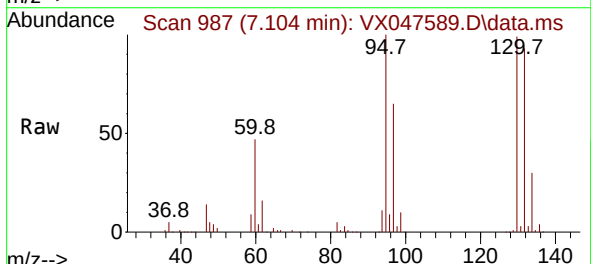
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

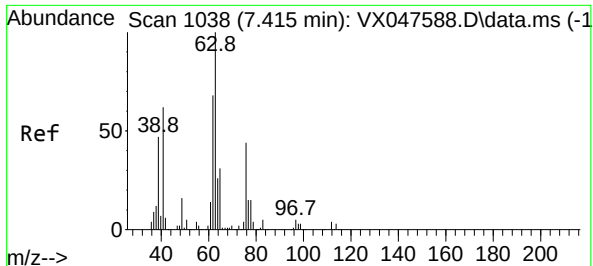
Tgt Ion: 43 Resp: 516875
Ion Ratio Lower Upper
43 100
61 19.3 15.2 22.8
87 12.3 9.6 14.4



#44
Trichloroethene
Concen: 101.234 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:130 Resp: 217753
Ion Ratio Lower Upper
130 100
95 101.4 0.0 210.8





#45

1,2-Dichloropropane

Concen: 100.145 ug/l

RT: 7.409 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

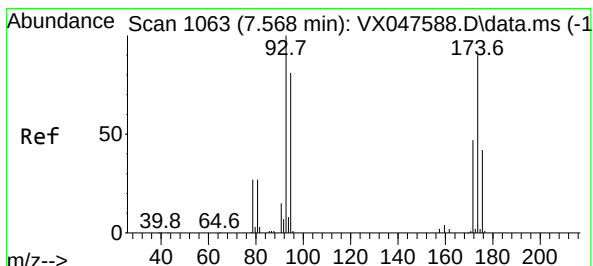
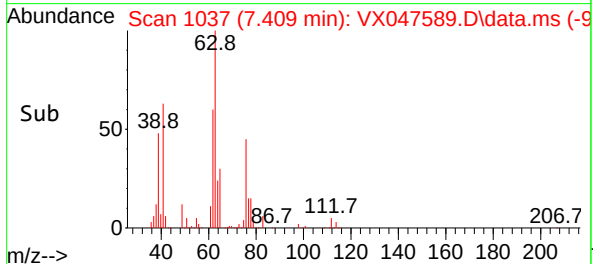
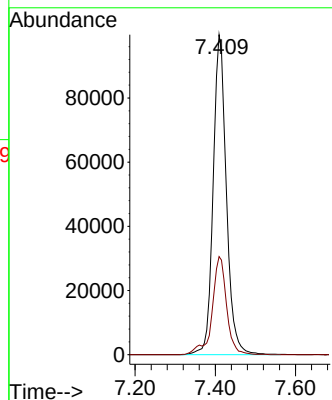
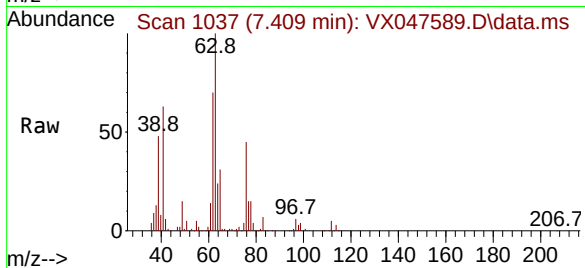
VSTDICC100

Tgt Ion: 63 Resp: 228150

Ion Ratio Lower Upper

63 100

65 30.7 24.7 37.1



#46

Dibromomethane

Concen: 99.519 ug/l

RT: 7.562 min Scan# 1062

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

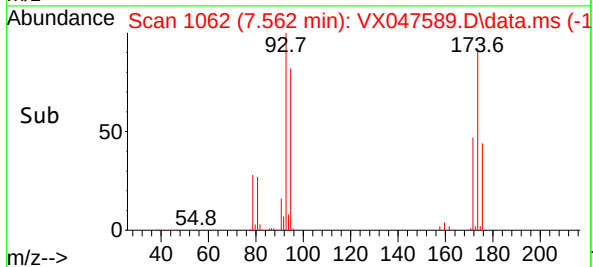
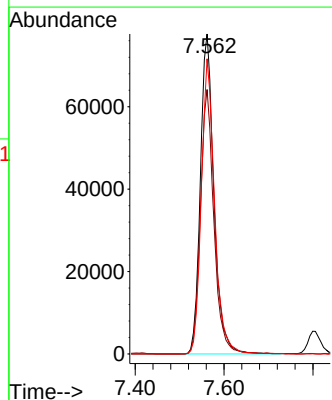
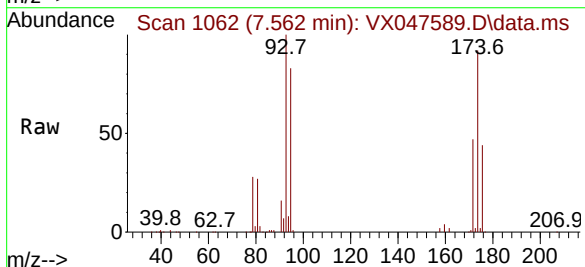
Tgt Ion: 93 Resp: 164987

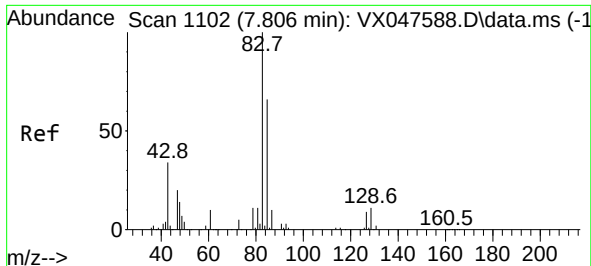
Ion Ratio Lower Upper

93 100

95 82.1 65.0 97.6

174 90.5 71.6 107.4

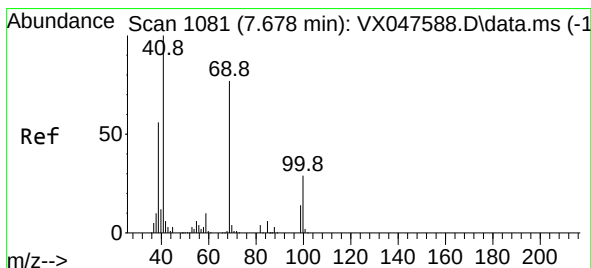
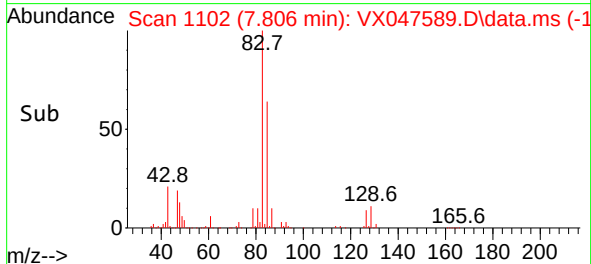
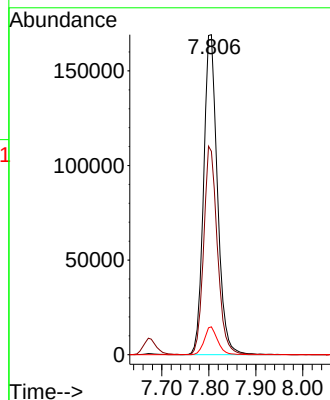
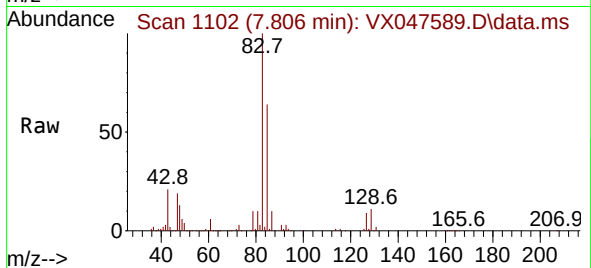




#47
Bromodichloromethane
Concen: 101.136 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

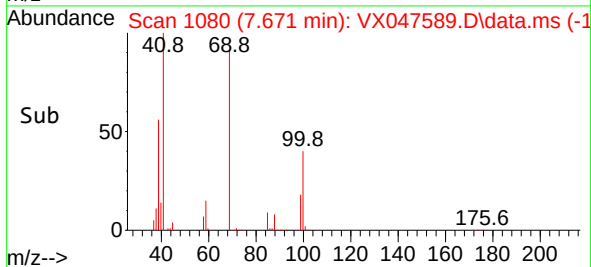
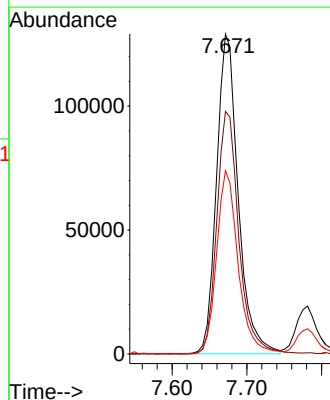
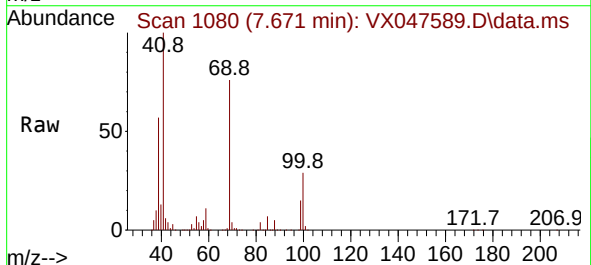
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

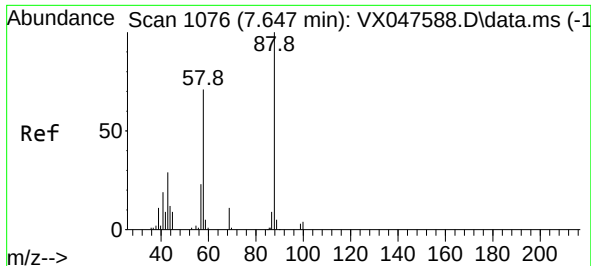
Tgt Ion: 83 Resp: 345991
Ion Ratio Lower Upper
83 100
85 63.5 52.5 78.7
127 8.7 6.9 10.3



#48
Methyl methacrylate
Concen: 101.612 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 260358
Ion Ratio Lower Upper
41 100
69 77.1 61.4 92.2
39 57.0 45.8 68.6

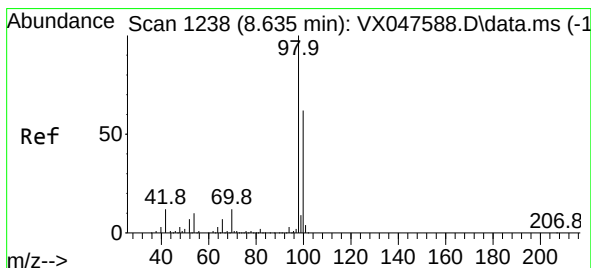
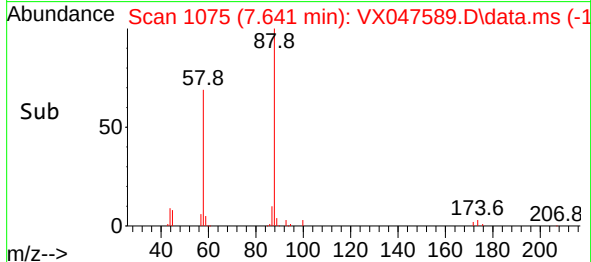
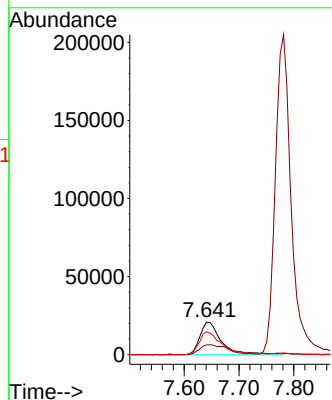
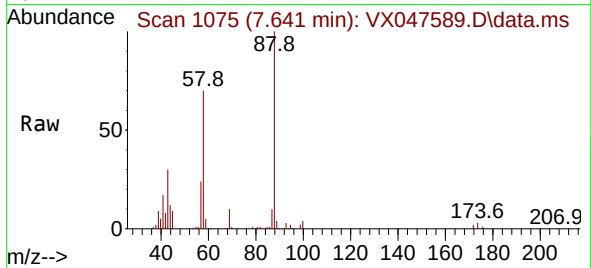




#49
1,4-Dioxane
Concen: 2190.315 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

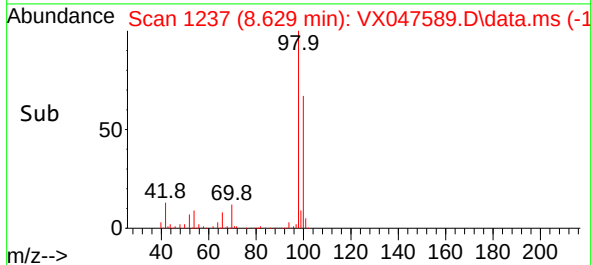
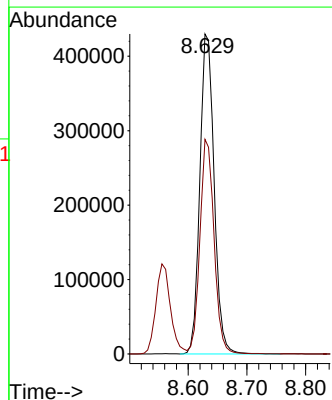
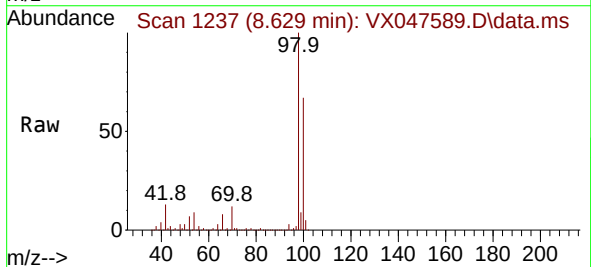
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

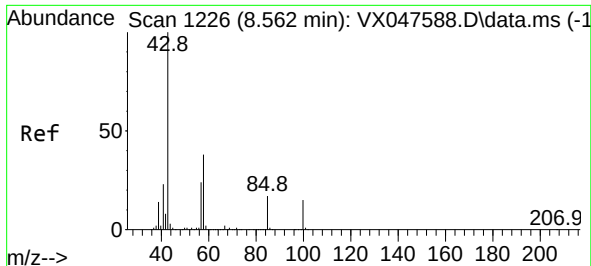
Tgt Ion: 88 Resp: 56717
Ion Ratio Lower Upper
88 100
43 39.4 30.2 45.2
58 74.0 59.5 89.3



#50
Toluene-d8
Concen: 104.386 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 98 Resp: 724078
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4

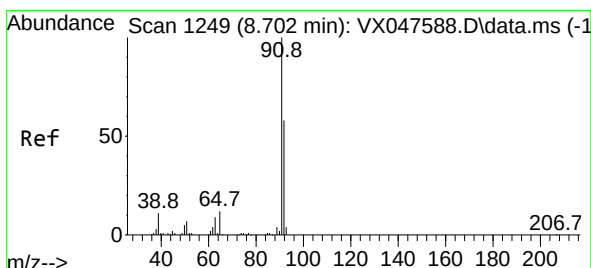
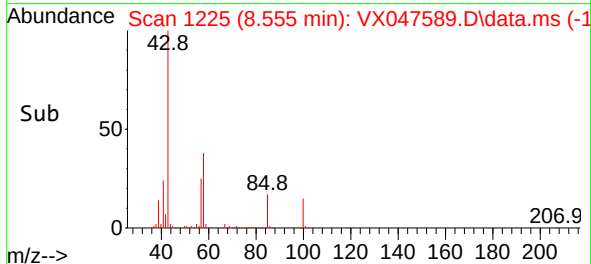
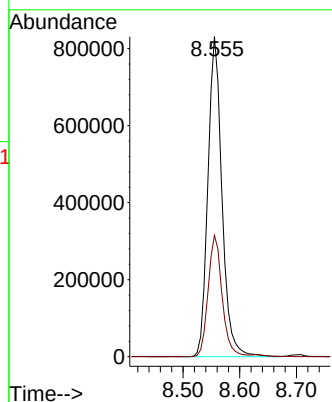
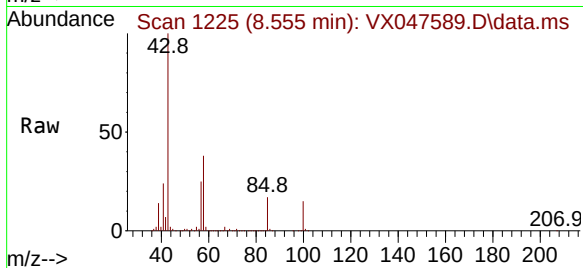




#51
4-Methyl-2-Pentanone
Concen: 501.834 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

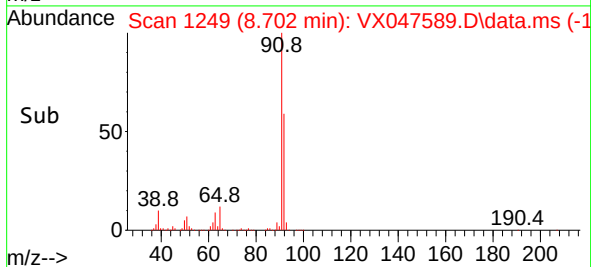
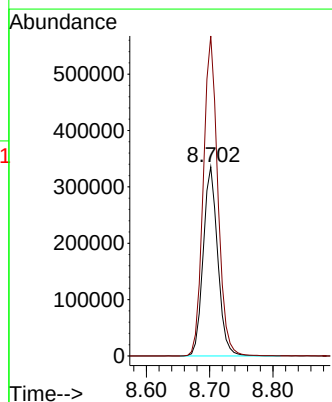
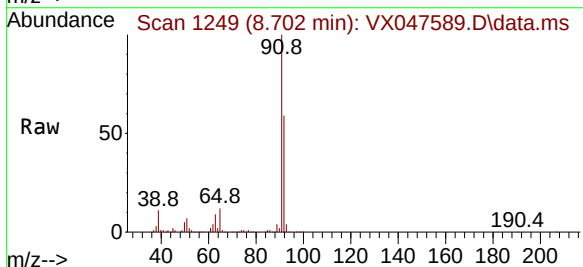
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

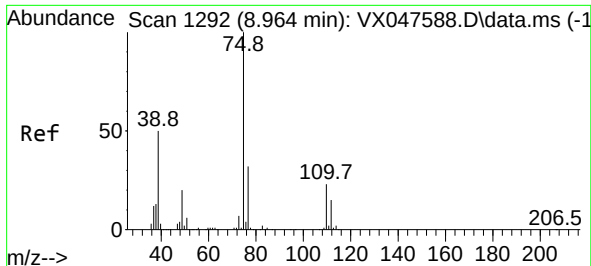
Tgt Ion: 43 Resp: 1431253
Ion Ratio Lower Upper
43 100
58 37.7 30.3 45.5



#52
Toluene
Concen: 97.811 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 92 Resp: 536148
Ion Ratio Lower Upper
92 100
91 169.3 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 101.986 ug/l

RT: 8.958 min Scan# 1191

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

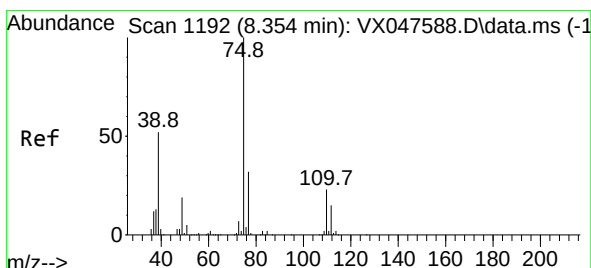
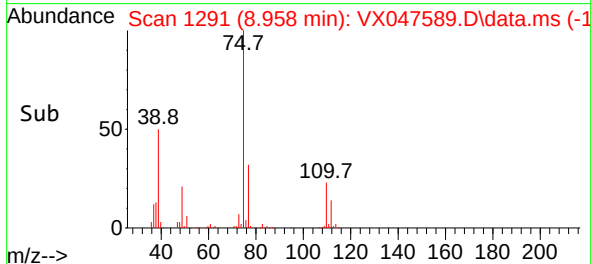
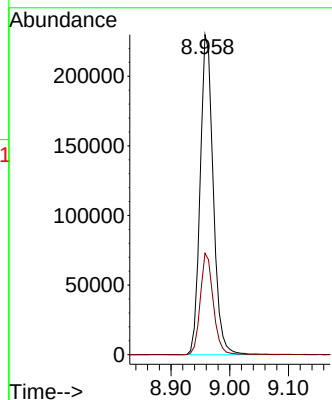
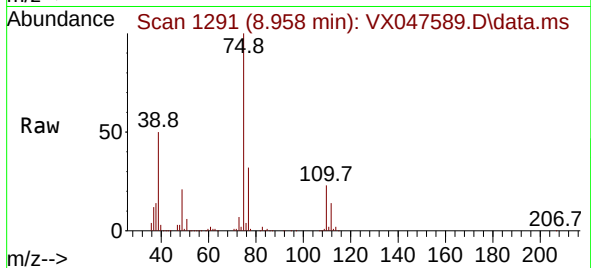
VSTDICC100

Tgt Ion: 75 Resp: 355881

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 102.038 ug/l

RT: 8.348 min Scan# 1191

Delta R.T. -0.006 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

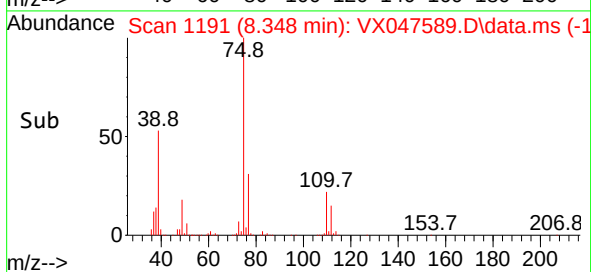
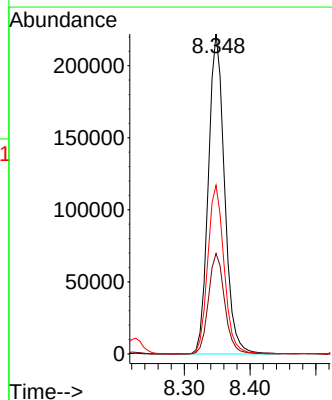
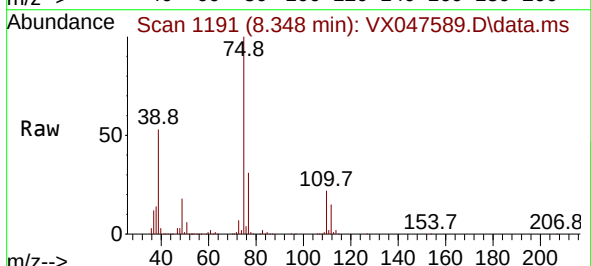
Tgt Ion: 75 Resp: 380577

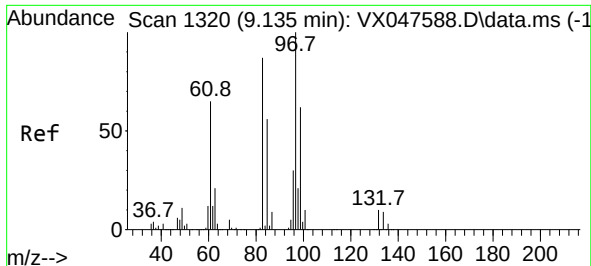
Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.6

39 52.3 41.4 62.2



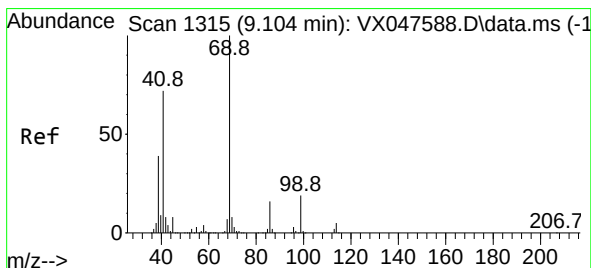
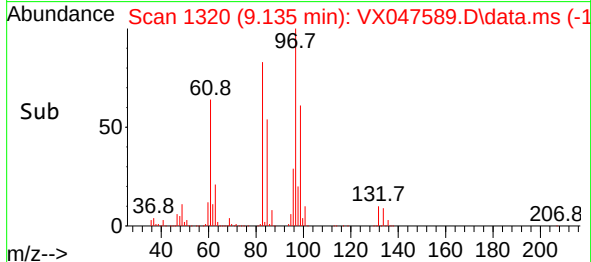
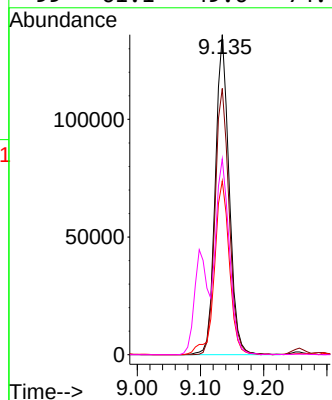
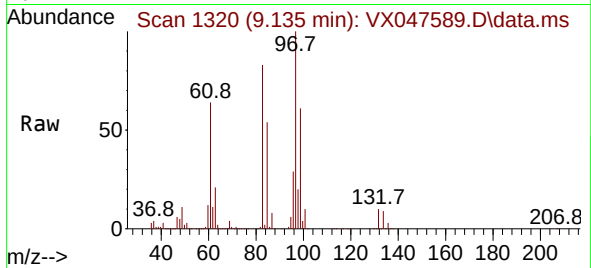


#55
1,1,2-Trichloroethane
Concen: 97.434 ug/l
RT: 9.135 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 205939

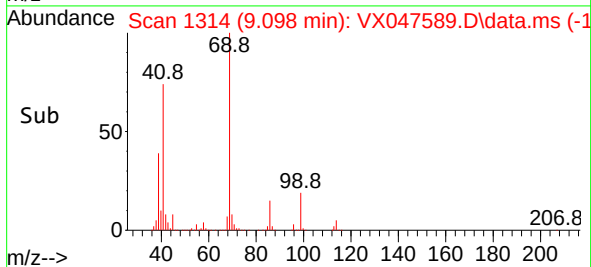
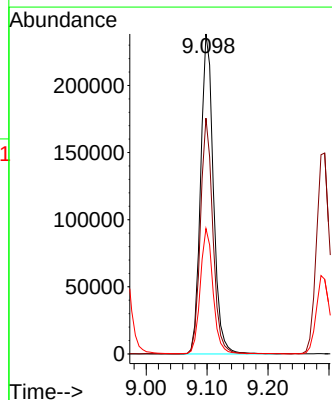
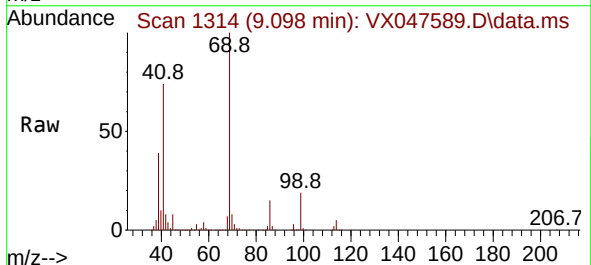
Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.6	104.4
85	54.3	45.0	67.6
99	61.1	49.6	74.4

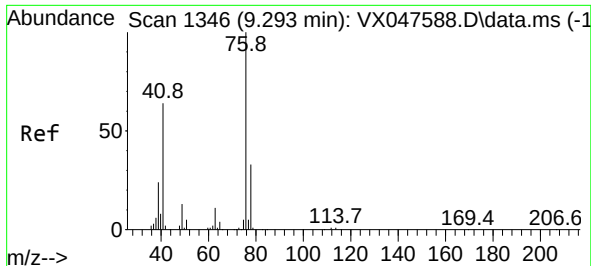


#56
Ethyl methacrylate
Concen: 104.435 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 69 Resp: 346659

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3

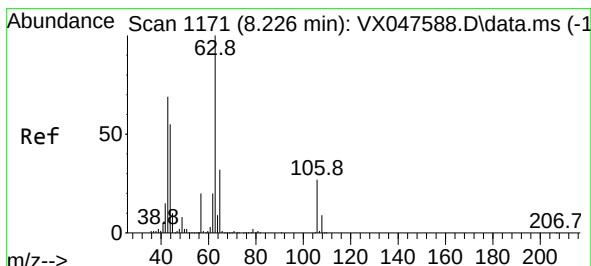
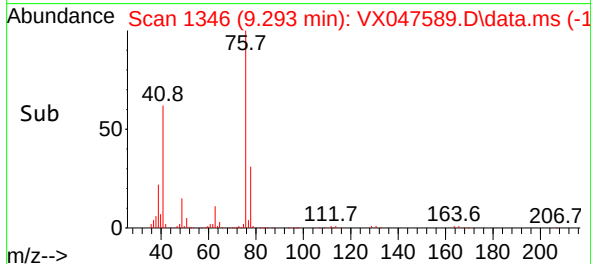
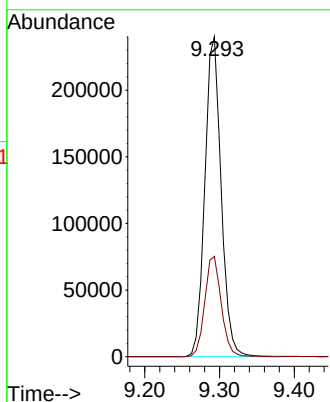
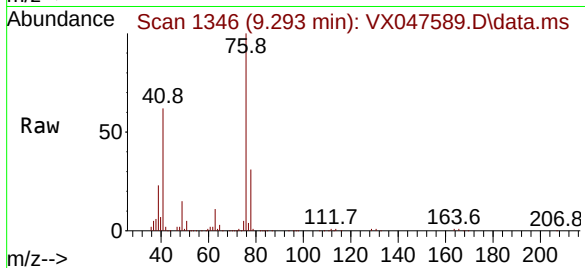




#57
1,3-Dichloropropane
Concen: 99.935 ug/l
RT: 9.293 min Scan# 1134
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

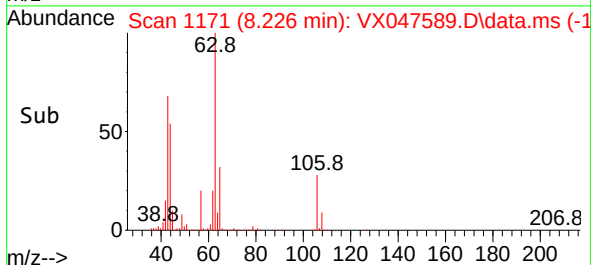
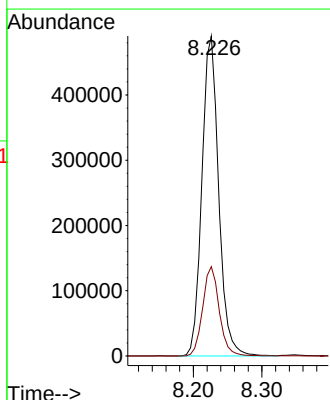
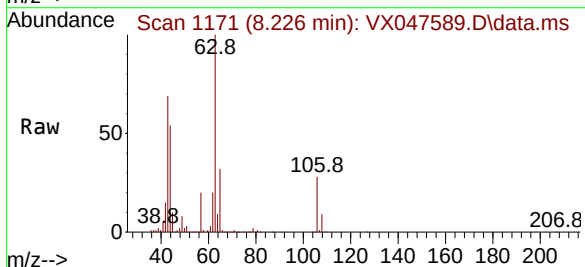
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

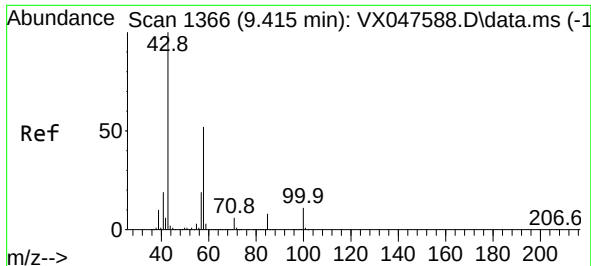
Tgt Ion: 76 Resp: 362848
Ion Ratio Lower Upper
76 100
78 31.8 26.2 39.4



#58
2-Chloroethyl Vinyl ether
Concen: 499.814 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 836362
Ion Ratio Lower Upper
63 100
106 27.5 21.9 32.9

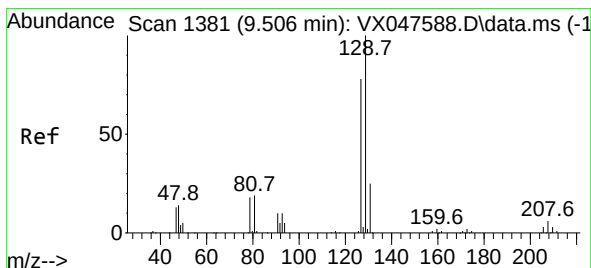
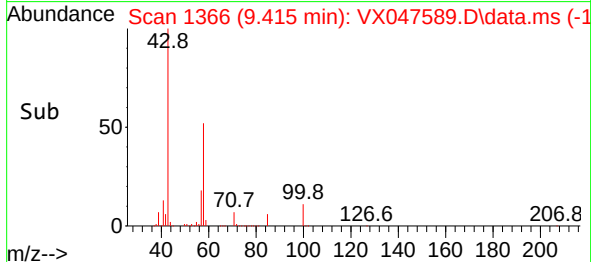
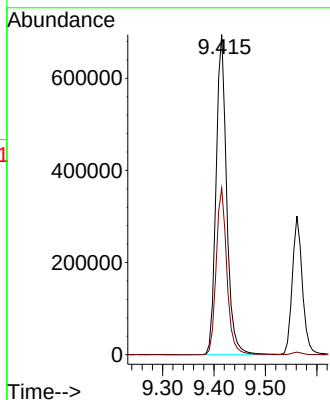
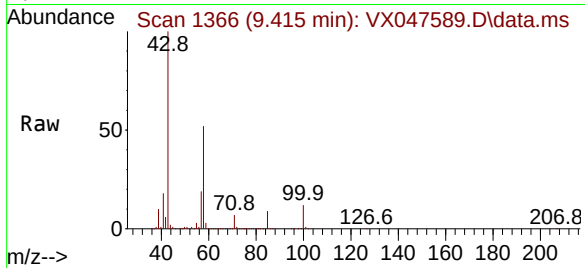




#59
2-Hexanone
Concen: 486.380 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

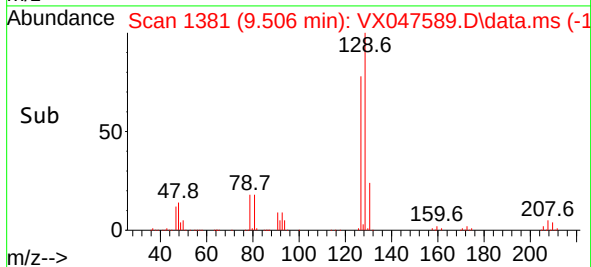
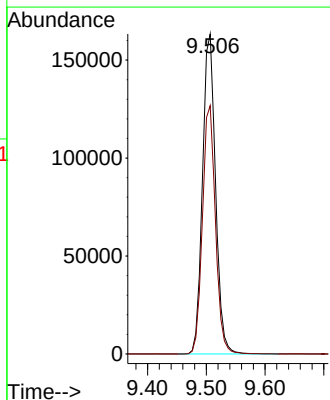
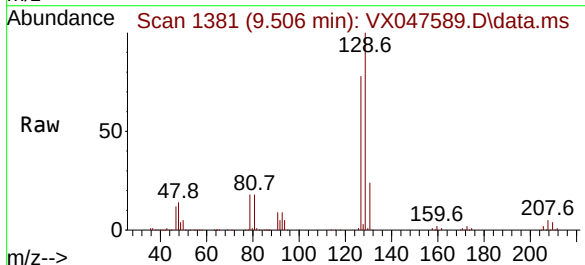
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

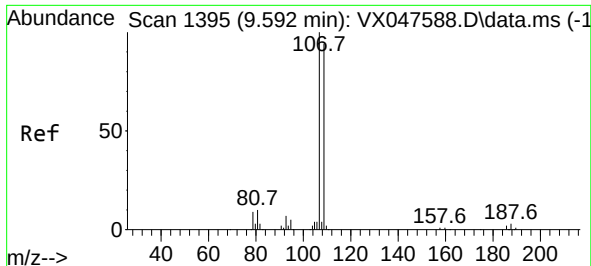
Tgt Ion: 43 Resp: 996274
Ion Ratio Lower Upper
43 100
58 52.4 26.1 78.2



#60
Dibromochloromethane
Concen: 103.226 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 129 Resp: 251394
Ion Ratio Lower Upper
129 100
127 77.5 38.4 115.2

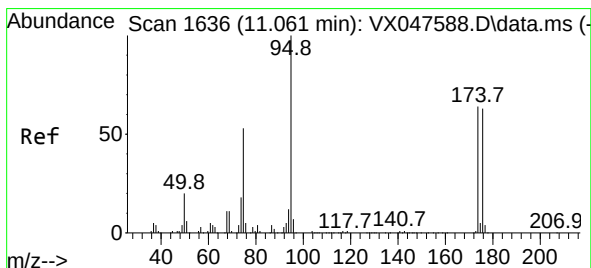
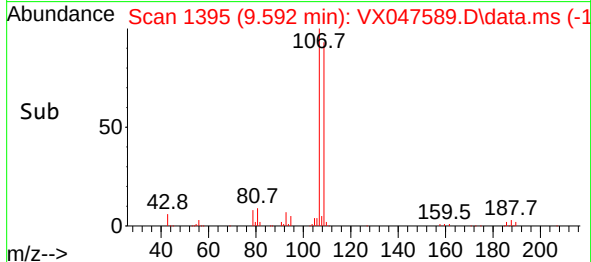
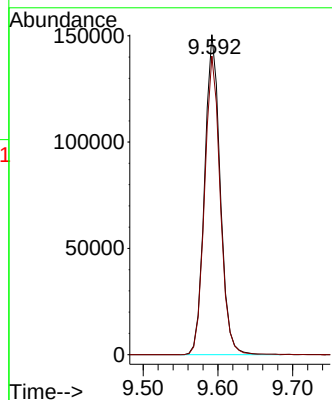
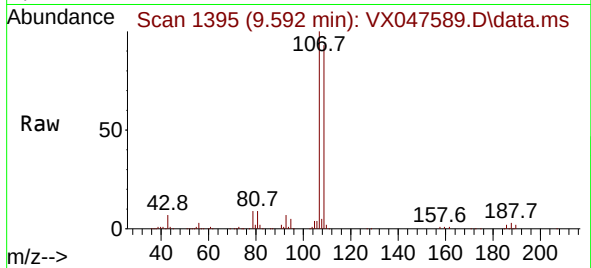




#61
1,2-Dibromoethane
Concen: 101.147 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

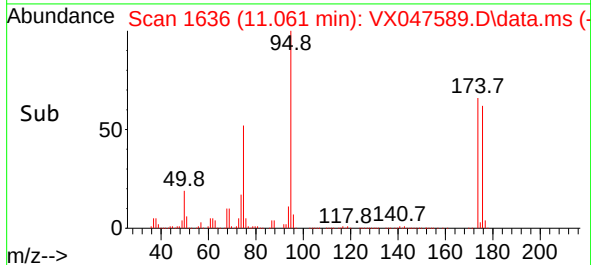
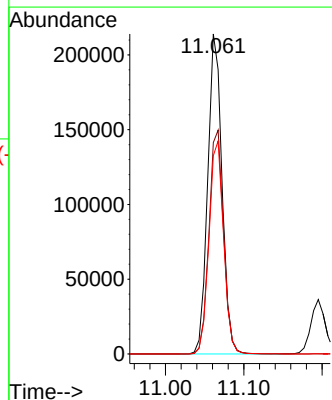
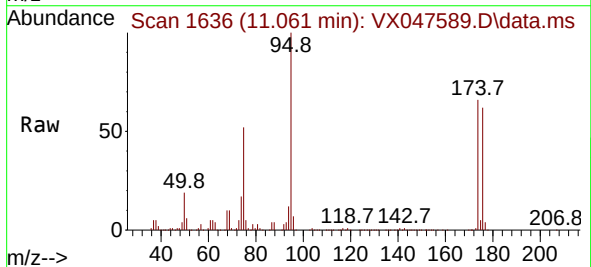
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

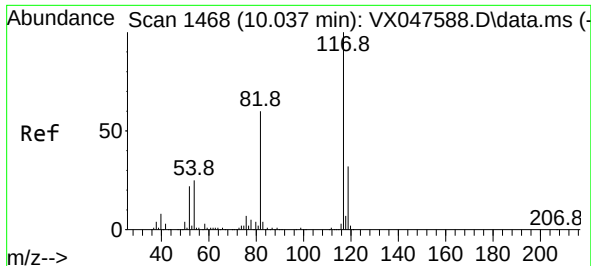
Tgt Ion:107 Resp: 217751
Ion Ratio Lower Upper
107 100
109 93.8 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 102.672 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 95 Resp: 270289
Ion Ratio Lower Upper
95 100
174 71.7 0.0 141.6
176 68.0 0.0 138.4

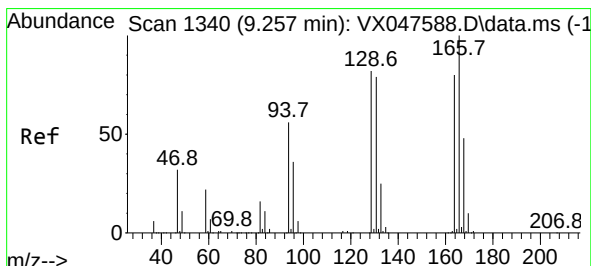
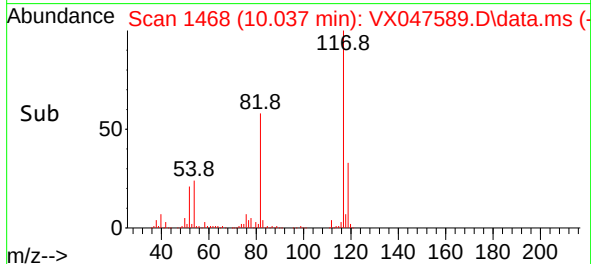
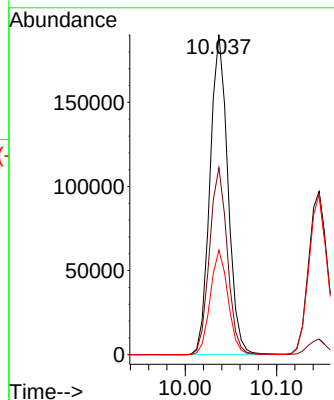
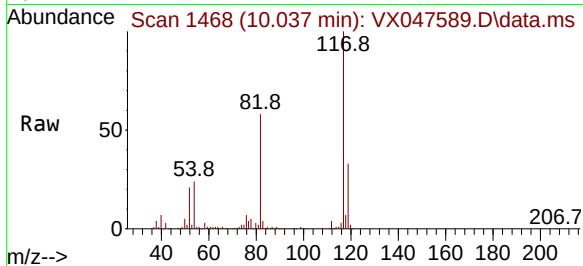




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

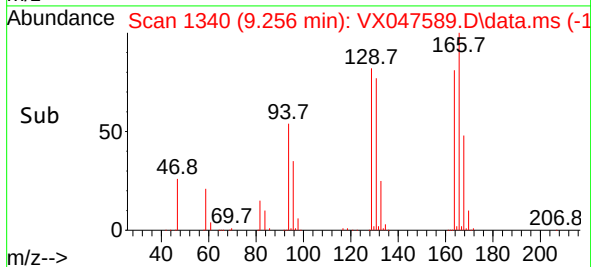
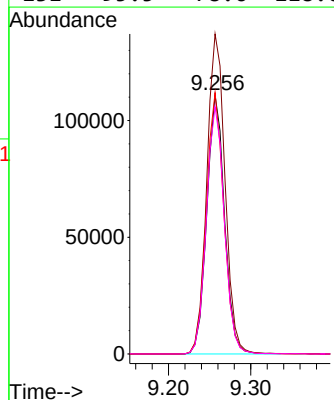
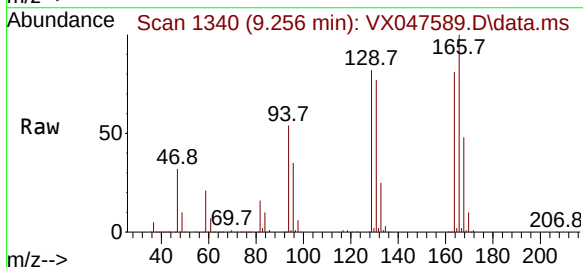
Instrument : MSVOA_X
ClientSampleId : VSTDICC100

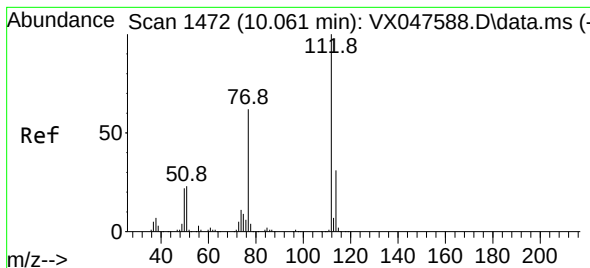
Tgt Ion:	117	Resp:	258399
Ion Ratio	Lower	Upper	
117	100		
82	58.4	47.8	71.6
119	32.7	25.2	37.8



#64
Tetrachloroethene
Concen: 98.284 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:	164	Resp:	165559
Ion Ratio	Lower	Upper	
164	100		
166	123.6	100.2	150.2
129	100.9	81.8	122.6
131	95.5	78.6	118.0

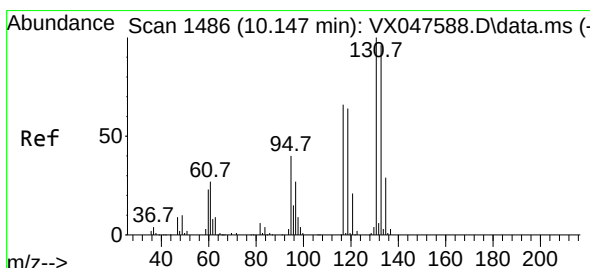
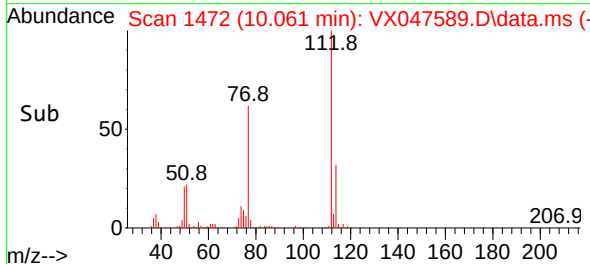
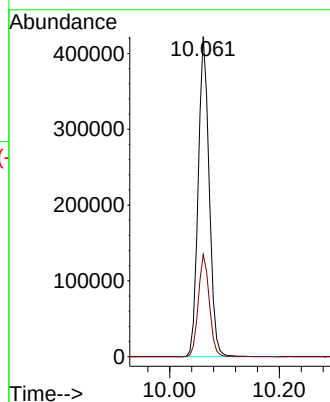
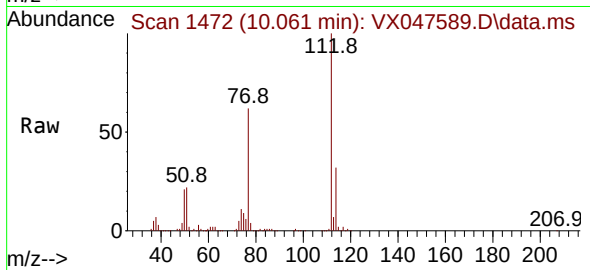




#65
Chlorobenzene
Concen: 100.253 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

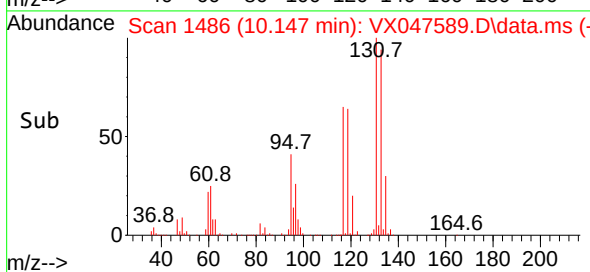
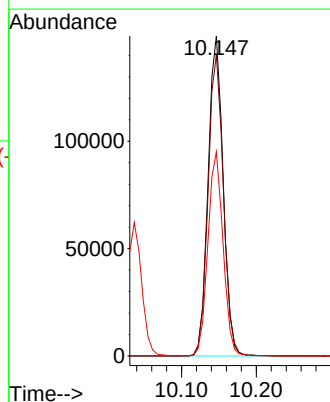
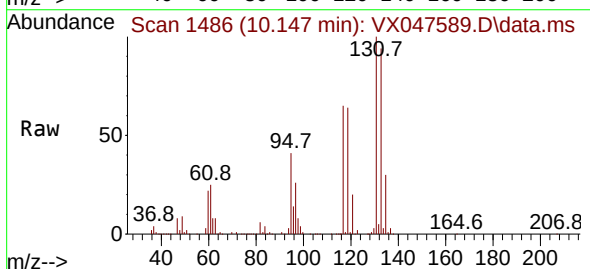
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

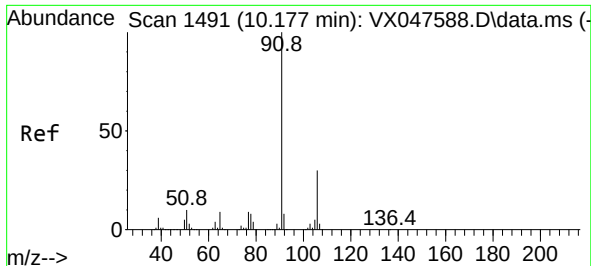
Tgt Ion:112 Resp: 588517
Ion Ratio Lower Upper
112 100
114 32.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 102.988 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:131 Resp: 208621
Ion Ratio Lower Upper
131 100
133 95.2 47.3 142.0
119 64.2 32.0 96.0





#67

Ethyl Benzene

Concen: 101.823 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

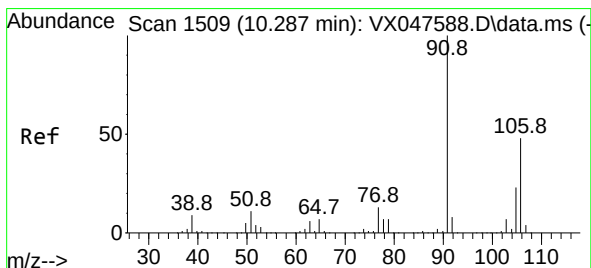
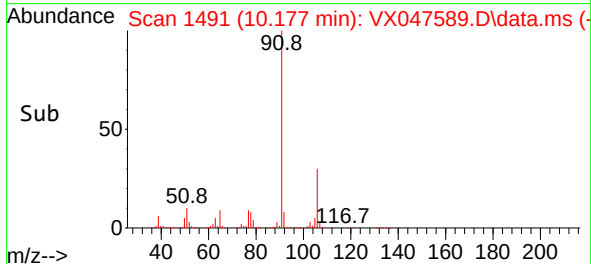
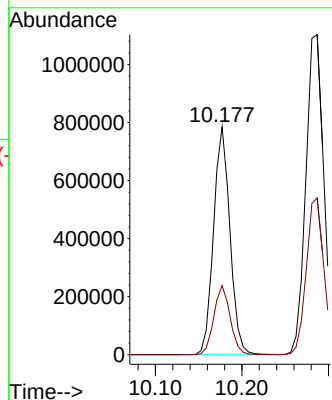
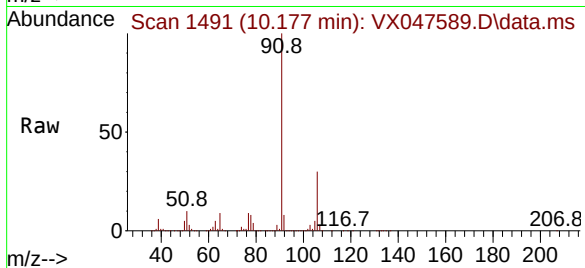
VSTDICC100

Tgt Ion: 91 Resp: 1031346

Ion Ratio Lower Upper

91 100

106 30.3 24.3 36.5



#68

m/p-Xylenes

Concen: 202.624 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX047589.D

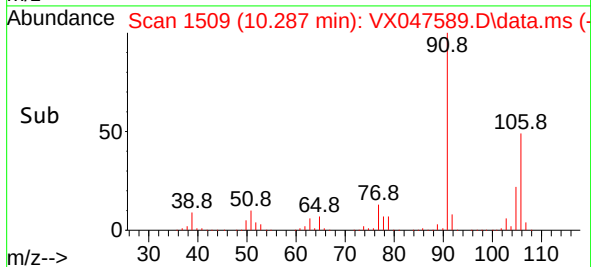
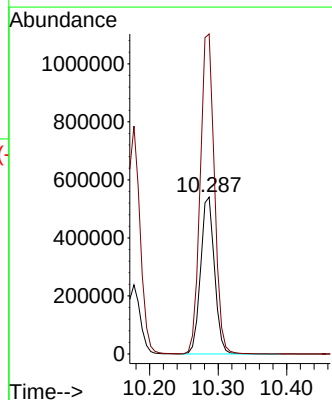
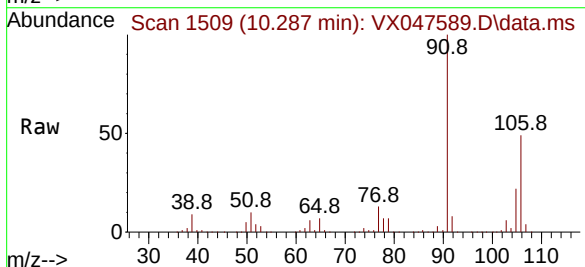
Acq: 16 Sep 2025 11:40

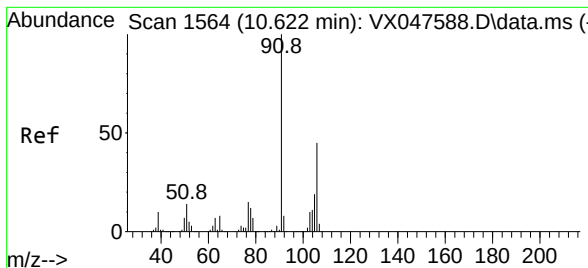
Tgt Ion:106 Resp: 763898

Ion Ratio Lower Upper

106 100

91 208.5 167.8 251.8

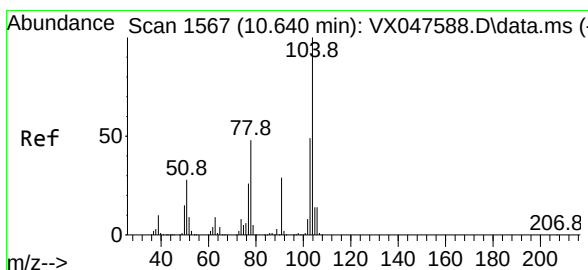
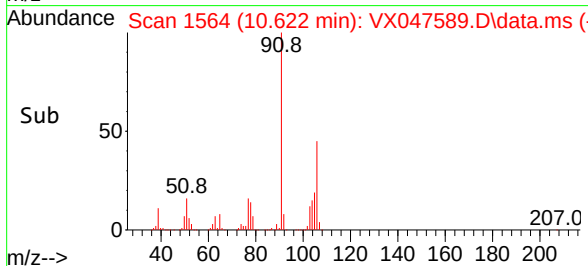
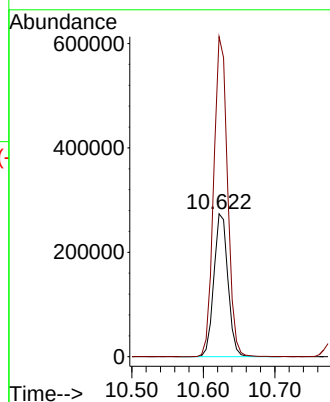
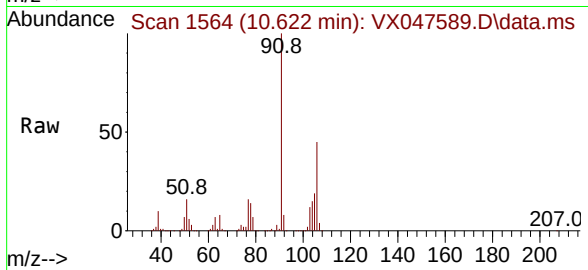




#69
o-Xylene
Concen: 102.186 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

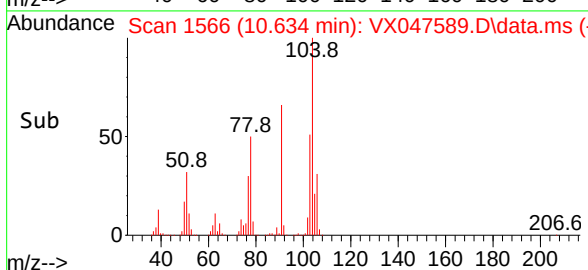
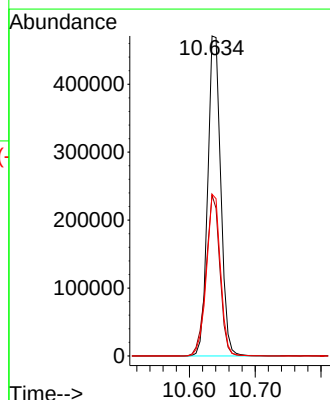
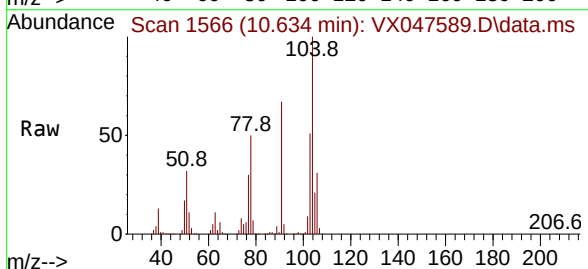
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

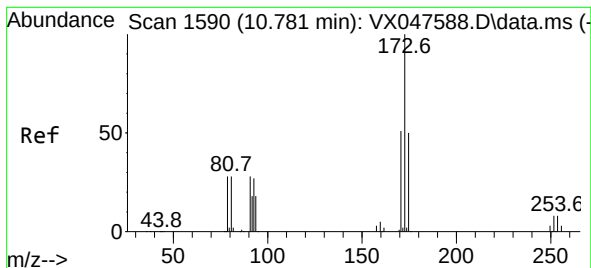
Tgt Ion:106 Resp: 372621
Ion Ratio Lower Upper
106 100
91 221.3 111.1 333.4



#70
Styrene
Concen: 101.710 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:104 Resp: 649863
Ion Ratio Lower Upper
104 100
78 53.5 43.1 64.7
103 54.1 43.1 64.7





#71

Bromoform

Concen: 106.566 ug/l

RT: 10.781 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

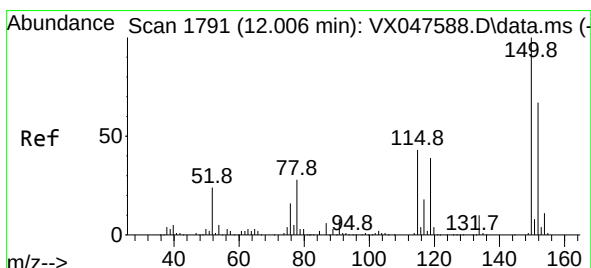
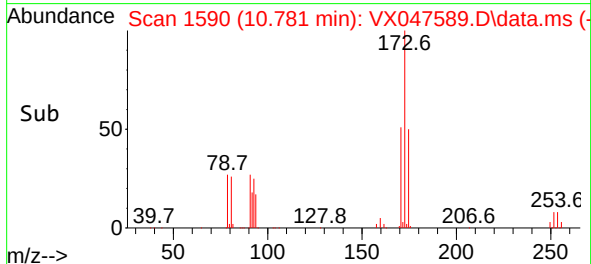
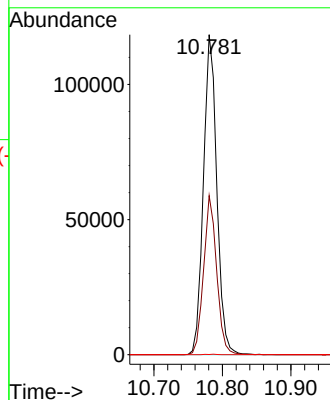
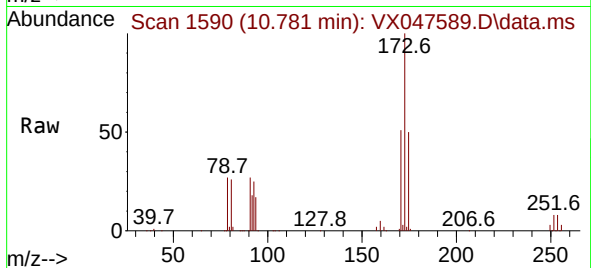
Tgt Ion:173 Resp: 161188

Ion Ratio Lower Upper

173 100

175 48.5 24.9 74.6

254 0.1 0.1 0.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

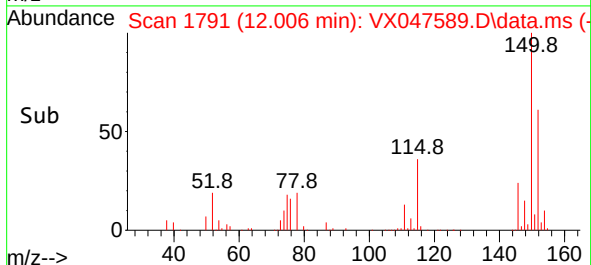
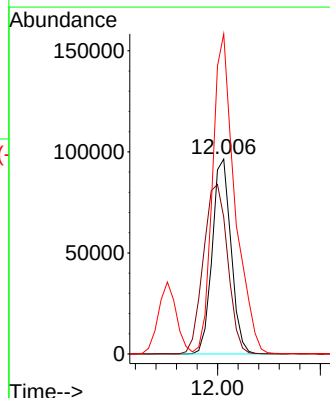
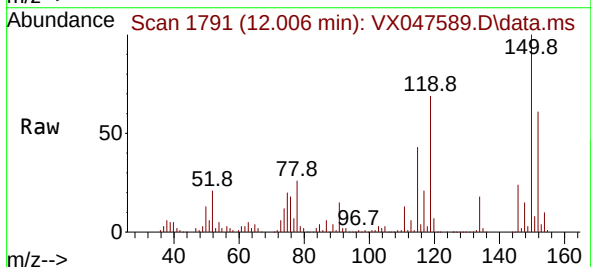
Tgt Ion:152 Resp: 122218

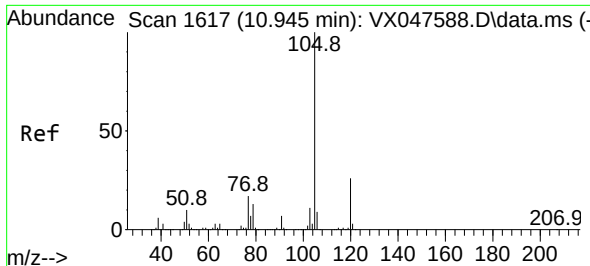
Ion Ratio Lower Upper

152 100

115 112.6 44.9 134.5

150 195.0 0.0 352.0

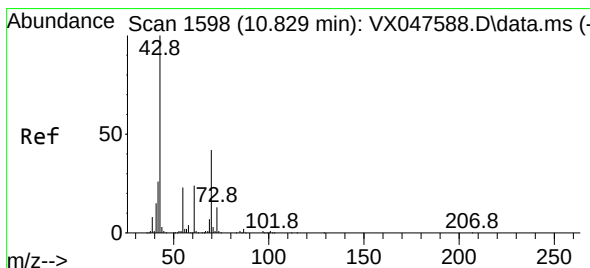
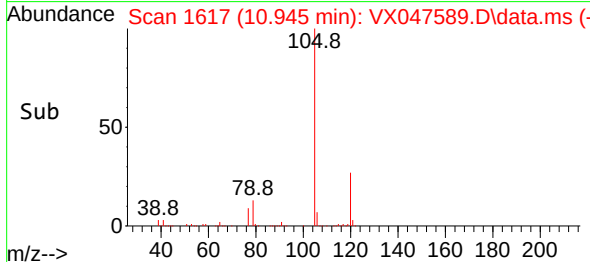
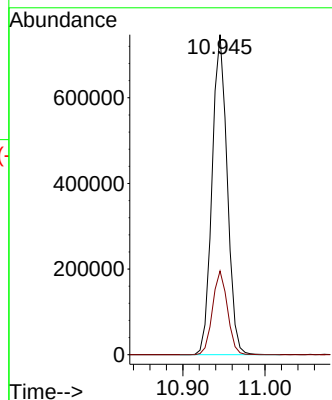
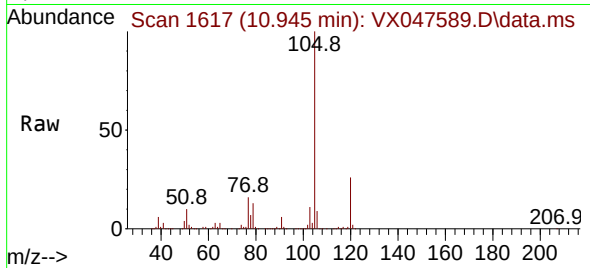




#73
Isopropylbenzene
Concen: 102.768 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

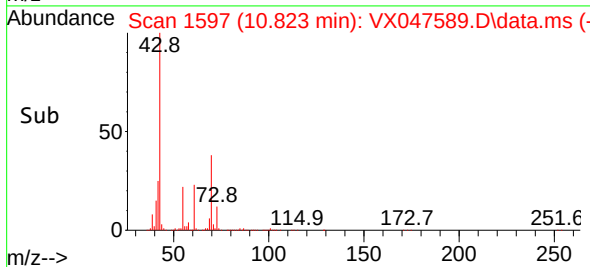
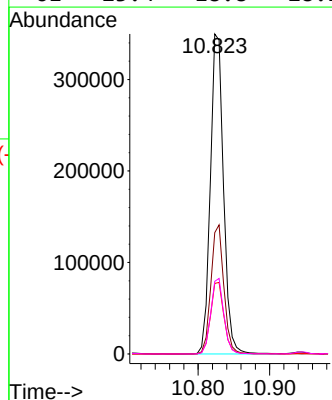
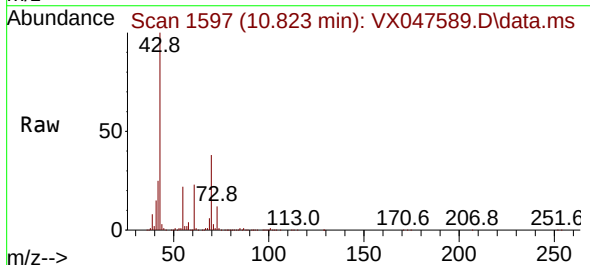
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

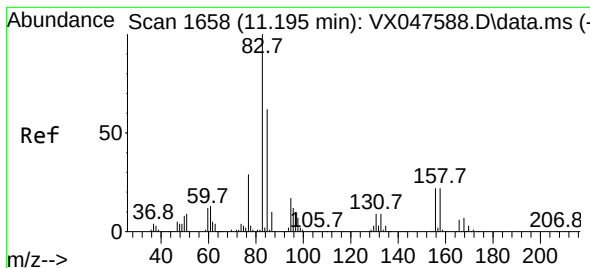
Tgt Ion:105 Resp: 954900
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.4



#74
N-ethyl acetate
Concen: 105.812 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 448344
Ion Ratio Lower Upper
43 100
70 39.6 32.0 48.0
55 22.8 18.9 28.3
61 23.4 18.8 28.2

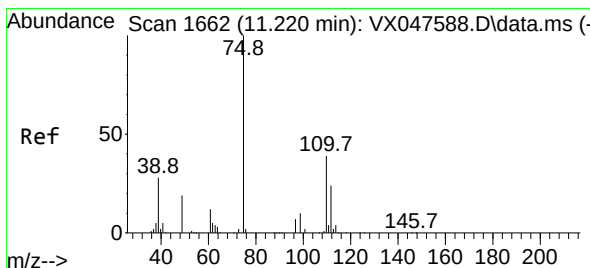
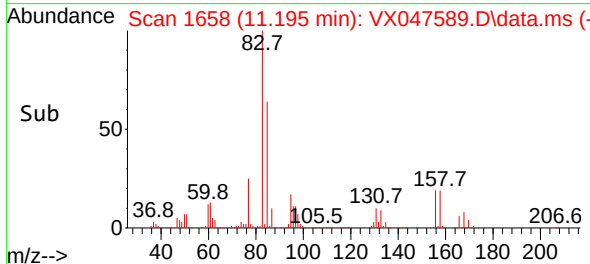
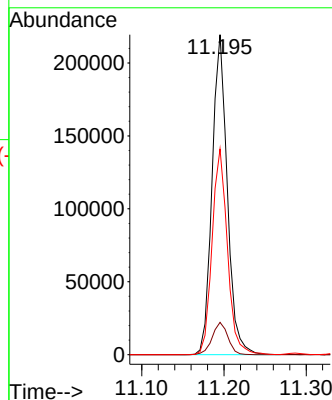
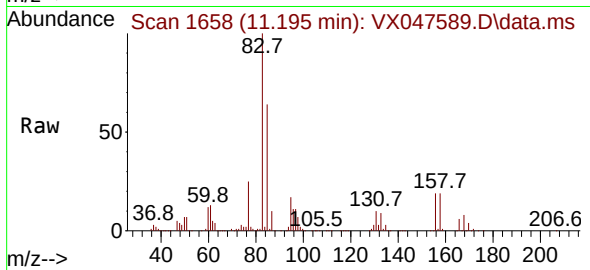




#75
1,1,2,2-Tetrachloroethane
Concen: 100.172 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

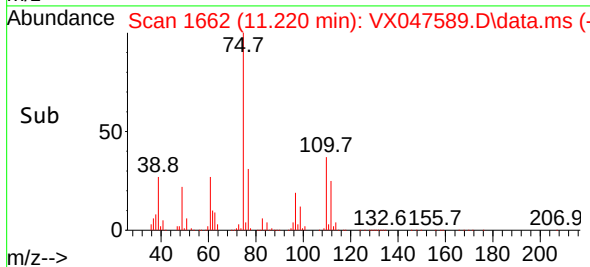
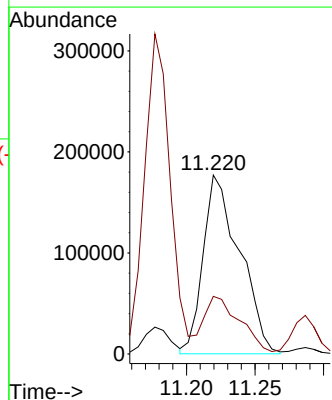
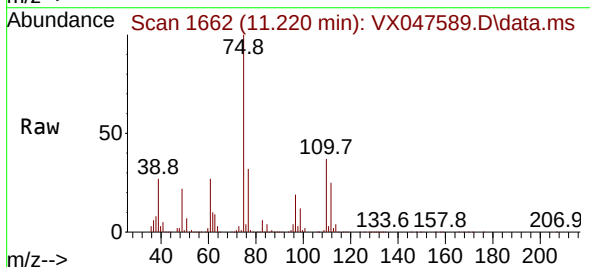
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

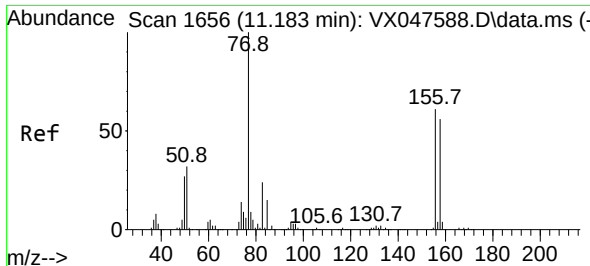
Tgt Ion: 83 Resp: 281608
Ion Ratio Lower Upper
83 100
131 10.4 5.0 14.9
85 65.1 31.6 95.0



#76
1,2,3-Trichloropropane
Concen: 132.545 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 327988
Ion Ratio Lower Upper
75 100
77 30.7 18.8 56.4

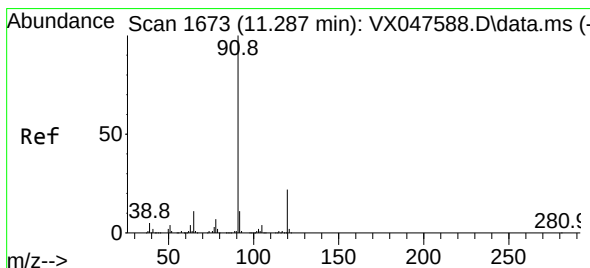
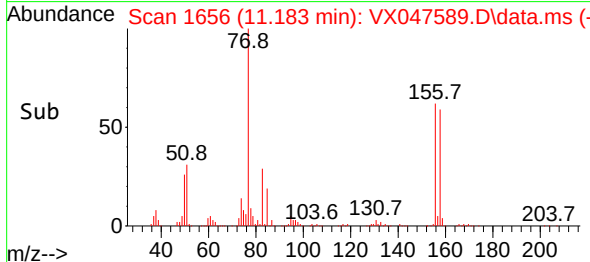
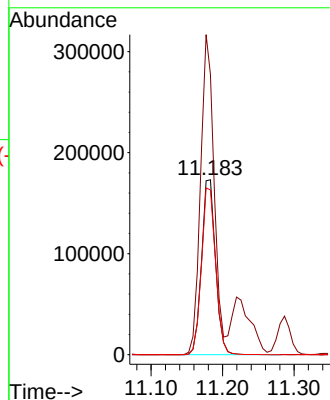
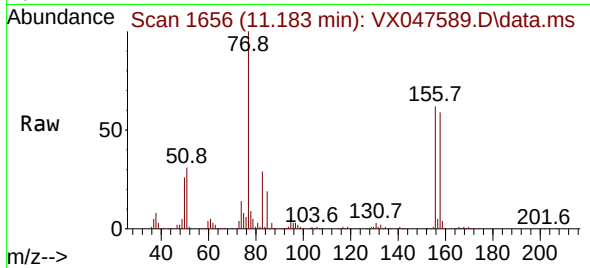




#77
Bromobenzene
Concen: 102.541 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

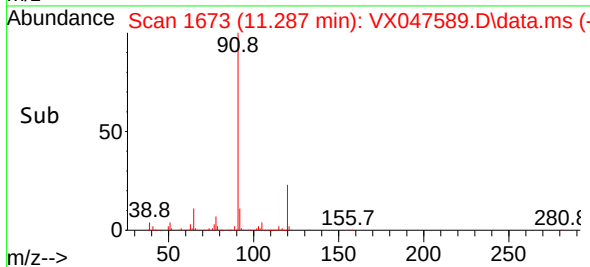
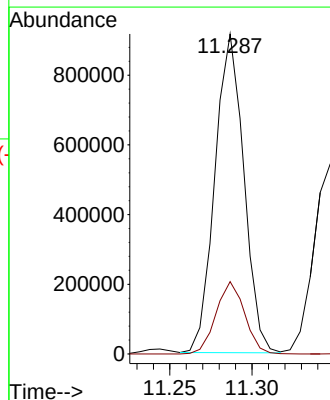
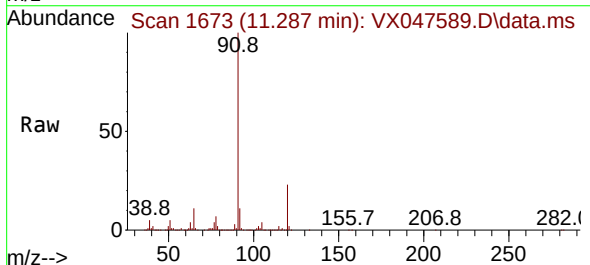
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

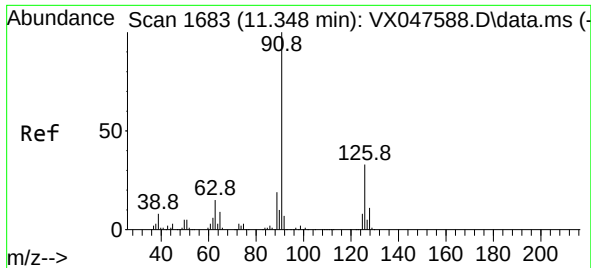
Tgt Ion:156 Resp: 234666
Ion Ratio Lower Upper
156 100
77 176.0 89.7 269.1
158 96.5 47.9 143.6



#78
n-propylbenzene
Concen: 101.941 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 1119728
Ion Ratio Lower Upper
91 100
120 22.4 11.1 33.1

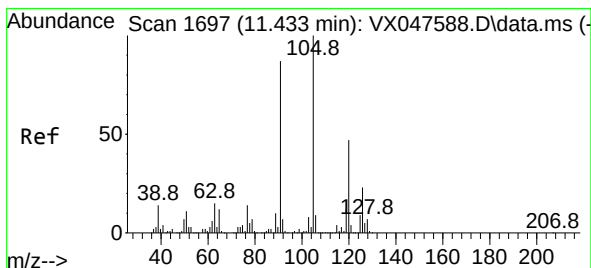
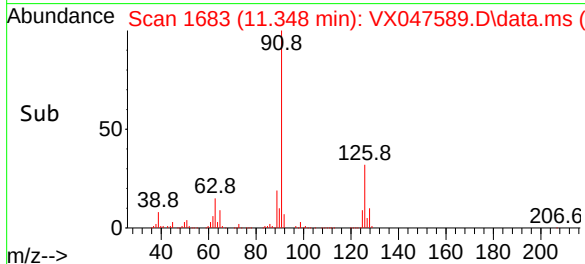
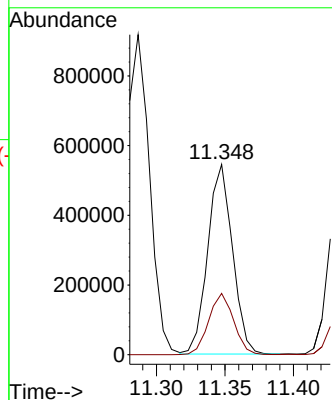
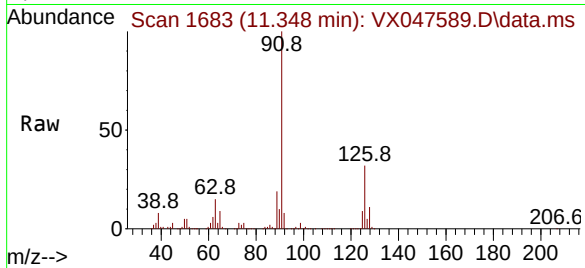




#79
2-Chlorotoluene
Concen: 101.652 ug/l
RT: 11.348 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

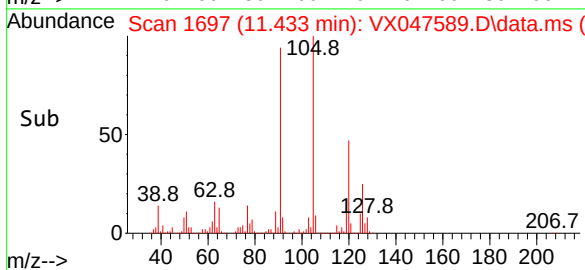
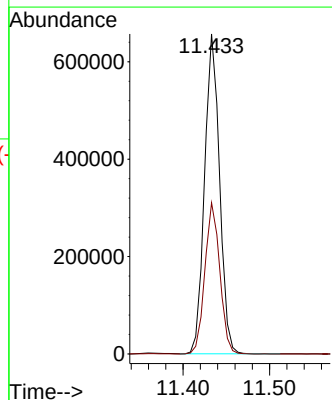
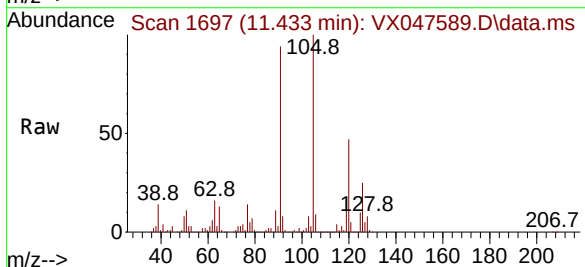
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

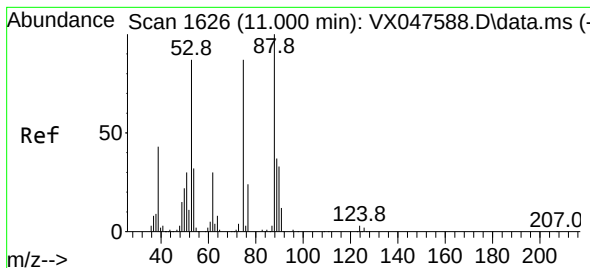
Tgt Ion: 91 Resp: 683867
Ion Ratio Lower Upper
91 100
126 32.7 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 103.134 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 105 Resp: 787327
Ion Ratio Lower Upper
105 100
120 47.2 23.6 70.8

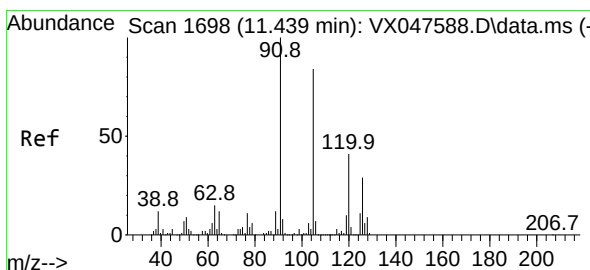
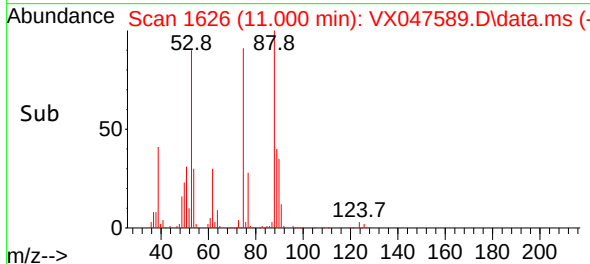
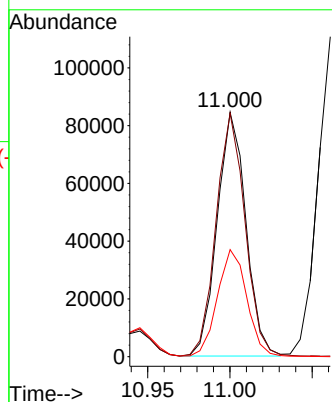
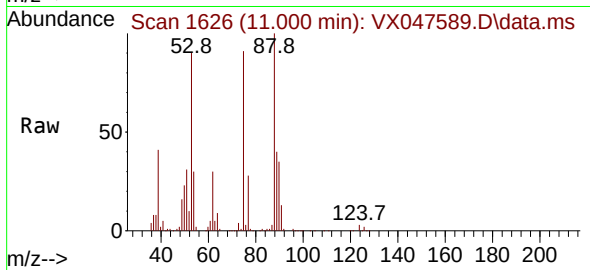




#81
trans-1,4-Dichloro-2-butene
Concen: 105.689 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

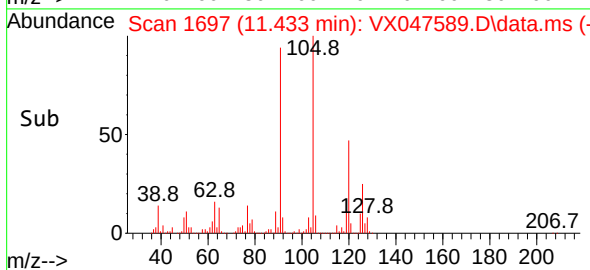
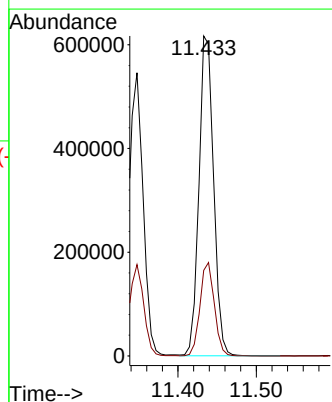
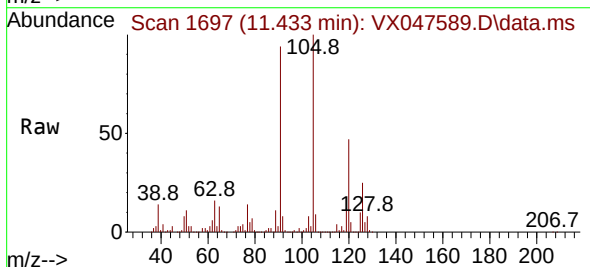
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

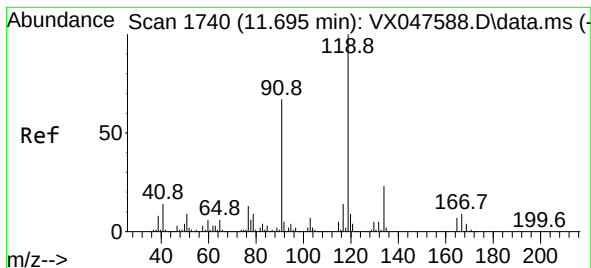
Tgt Ion: 75 Resp: 102555
Ion Ratio Lower Upper
75 100
53 101.1 83.4 125.2
89 45.3 36.3 54.5



#82
4-Chlorotoluene
Concen: 101.054 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 802929
Ion Ratio Lower Upper
91 100
126 28.6 14.2 42.6





#83

tert-Butylbenzene

Concen: 101.333 ug/l

RT: 11.695 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

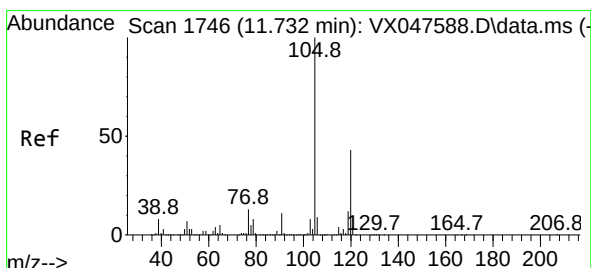
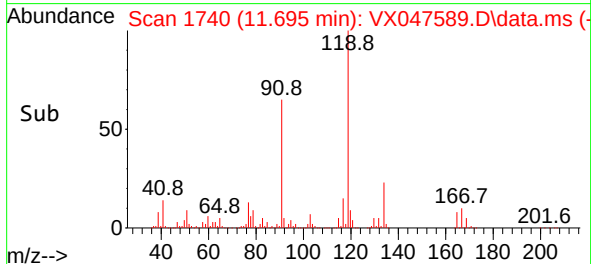
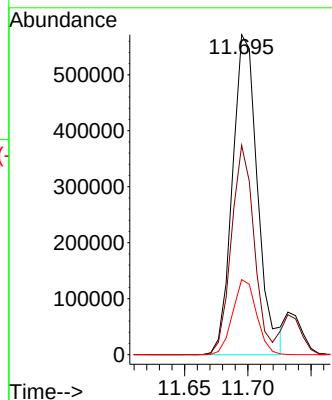
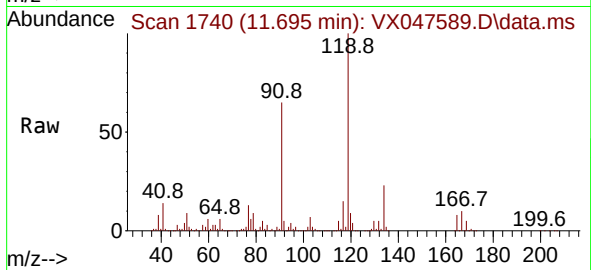
Tgt Ion:119 Resp: 791896

Ion Ratio Lower Upper

119 100

91 59.3 29.6 88.8

134 22.3 11.0 33.0



#84

1,2,4-Trimethylbenzene

Concen: 102.144 ug/l

RT: 11.732 min Scan# 1746

Delta R.T. -0.000 min

Lab File: VX047589.D

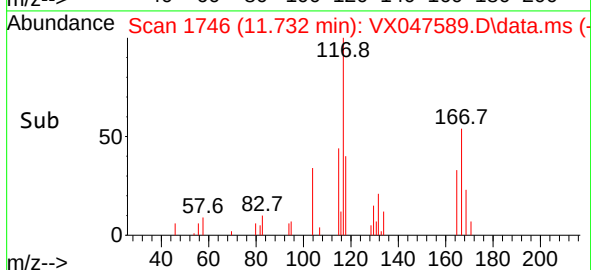
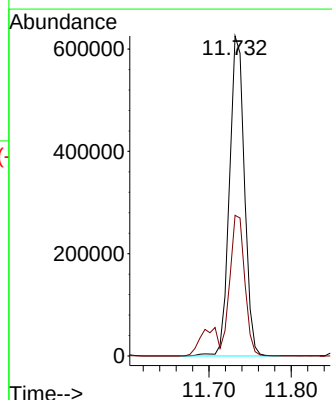
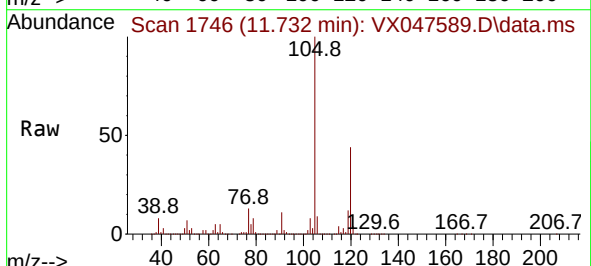
Acq: 16 Sep 2025 11:40

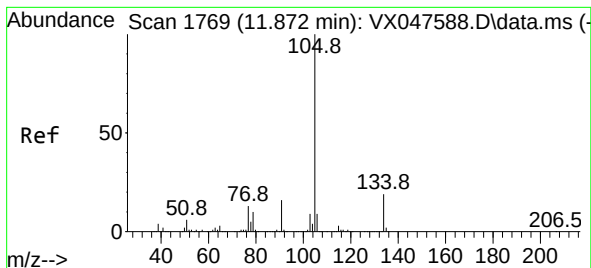
Tgt Ion:105 Resp: 790557

Ion Ratio Lower Upper

105 100

120 43.6 22.1 66.1





#85

sec-Butylbenzene

Concen: 101.840 ug/l

RT: 11.872 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

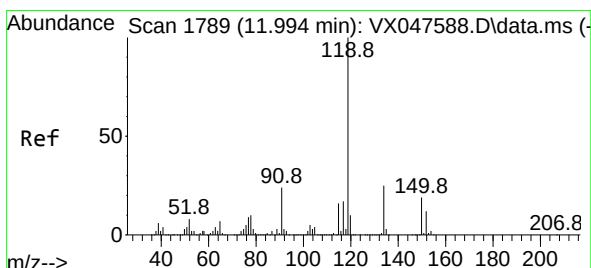
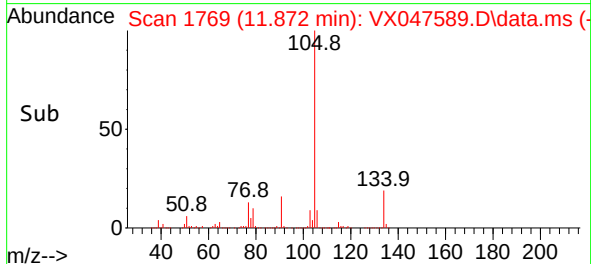
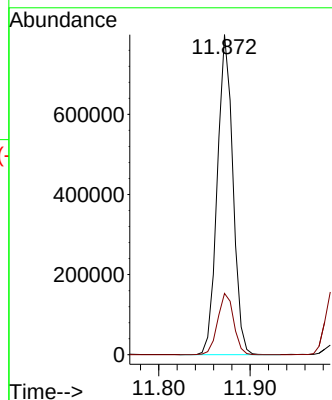
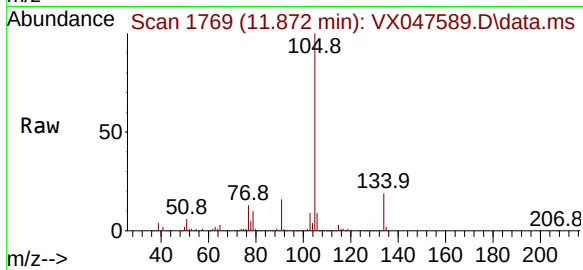
VSTDICC100

Tgt Ion:105 Resp: 945321

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5



#86

p-Isopropyltoluene

Concen: 101.501 ug/l

RT: 11.994 min Scan# 1789

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

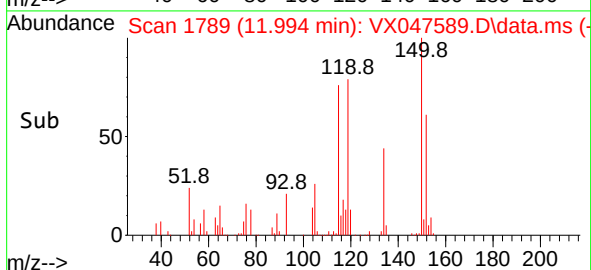
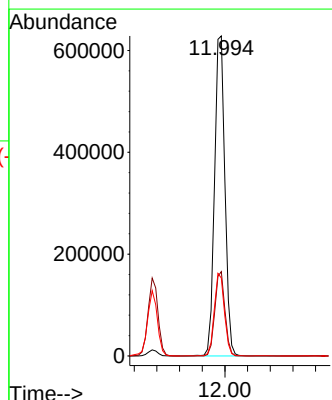
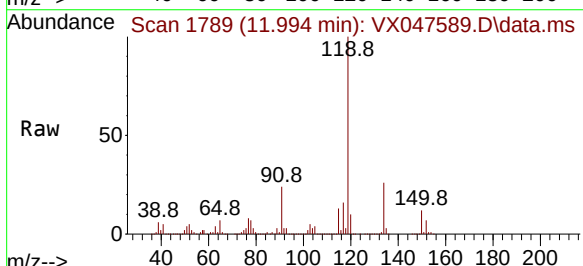
Tgt Ion:119 Resp: 797643

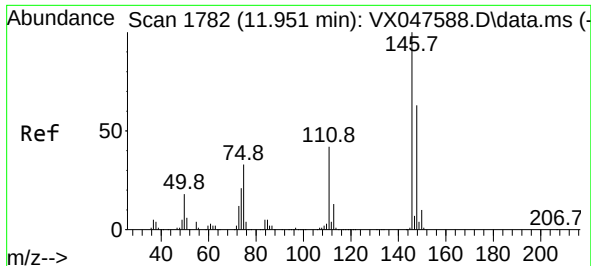
Ion Ratio Lower Upper

119 100

134 25.6 12.6 37.8

91 25.2 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 101.689 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

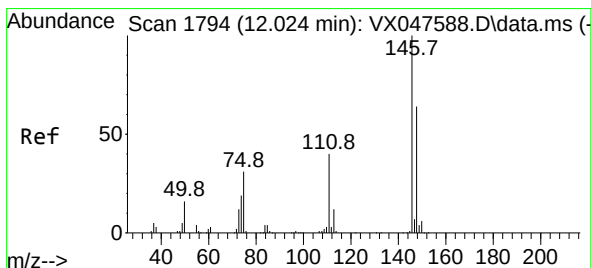
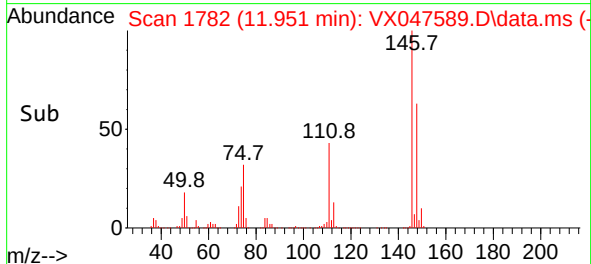
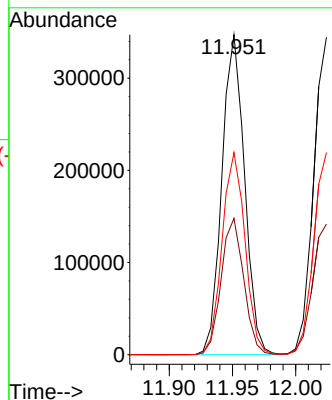
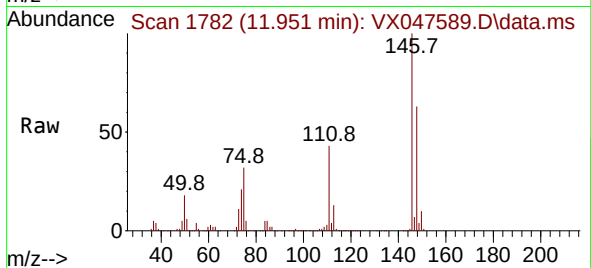
Tgt Ion:146 Resp: 432248

Ion Ratio Lower Upper

146 100

111 42.7 21.5 64.5

148 63.9 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 98.985 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

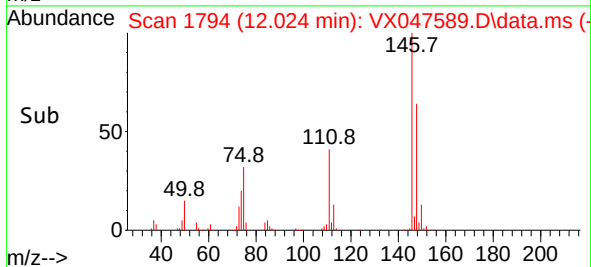
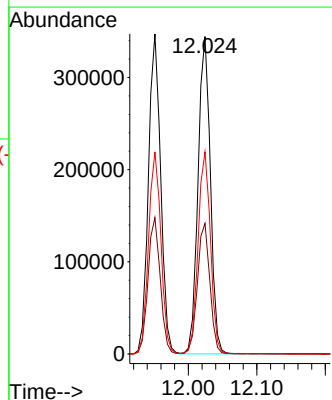
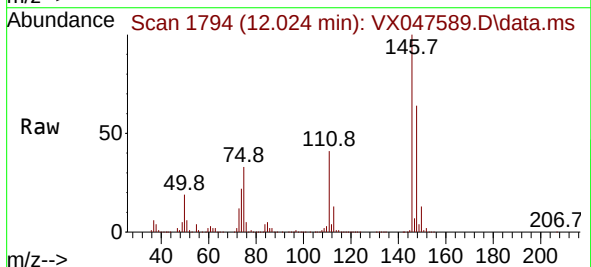
Tgt Ion:146 Resp: 431839

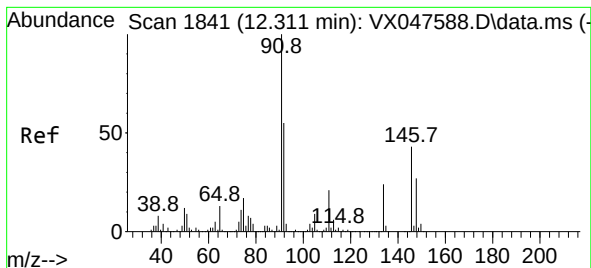
Ion Ratio Lower Upper

146 100

111 41.6 20.8 62.4

148 63.8 31.7 95.1





#89

n-Butylbenzene

Concen: 104.138 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

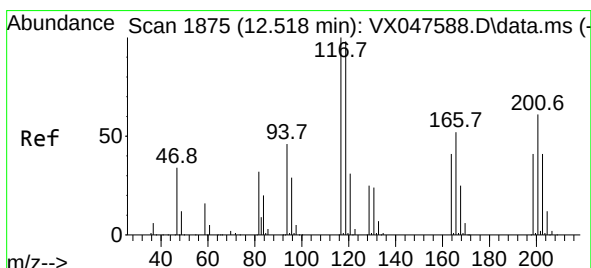
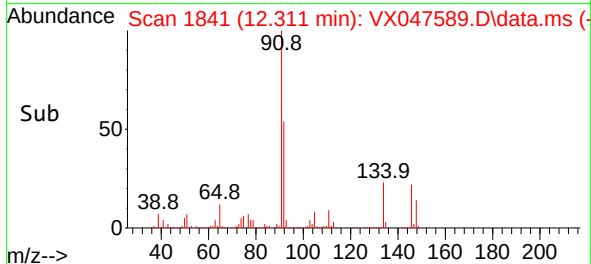
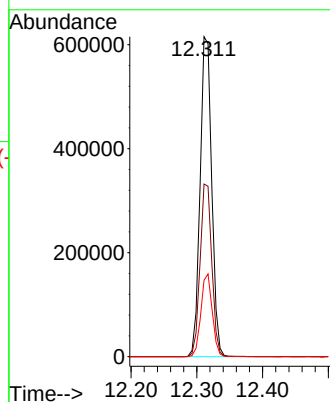
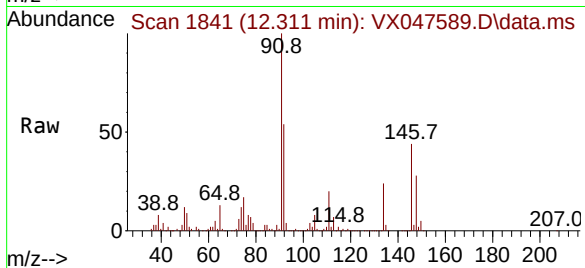
Tgt Ion: 91 Resp: 757239

Ion Ratio Lower Upper

91 100

92 54.4 27.6 82.7

134 25.1 12.6 37.8



#90

Hexachloroethane

Concen: 107.304 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX047589.D

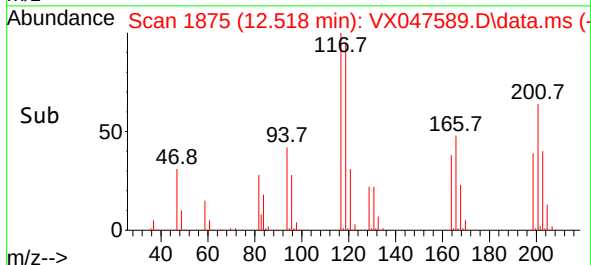
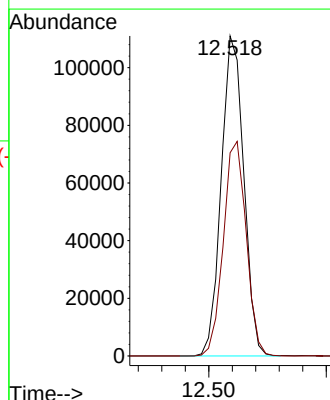
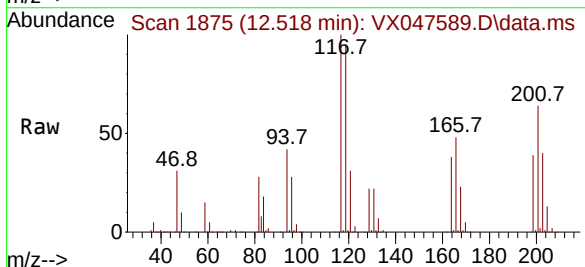
Acq: 16 Sep 2025 11:40

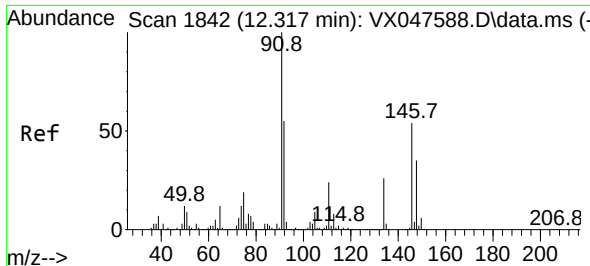
Tgt Ion: 117 Resp: 148048

Ion Ratio Lower Upper

117 100

201 68.1 34.2 102.5





#91

1,2-Dichlorobenzene

Concen: 102.352 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

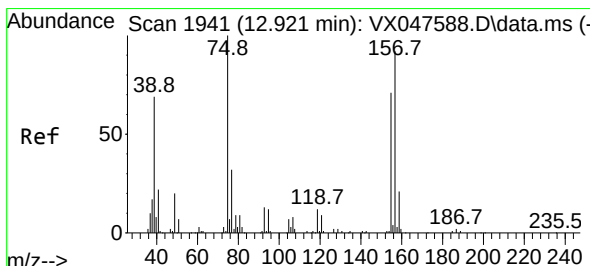
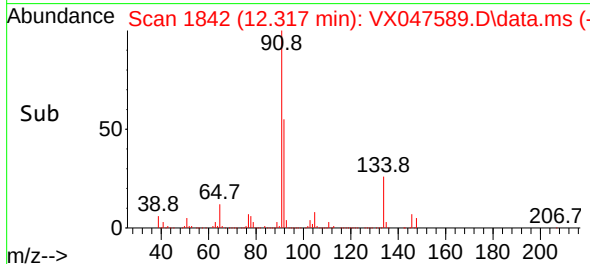
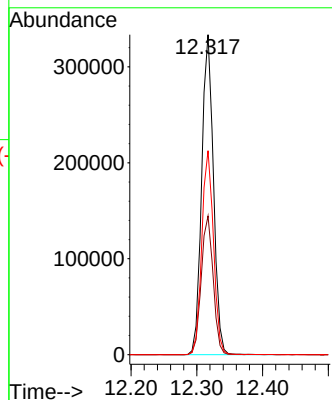
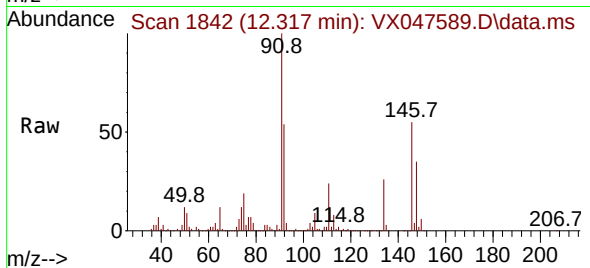
Tgt Ion:146 Resp: 414491

Ion Ratio Lower Upper

146 100

111 43.9 22.2 66.6

148 63.4 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 107.225 ug/l

RT: 12.920 min Scan# 1941

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

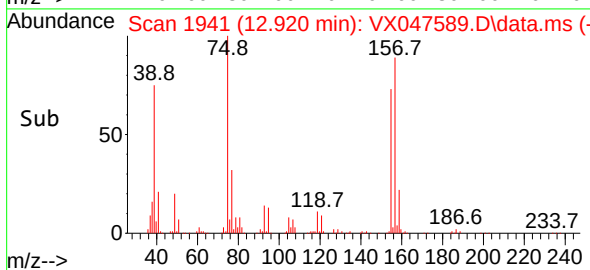
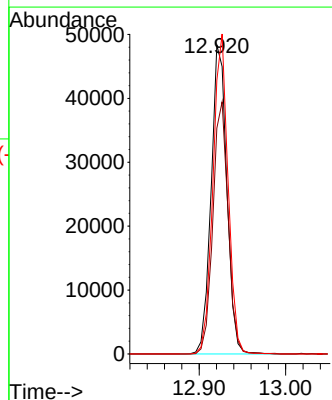
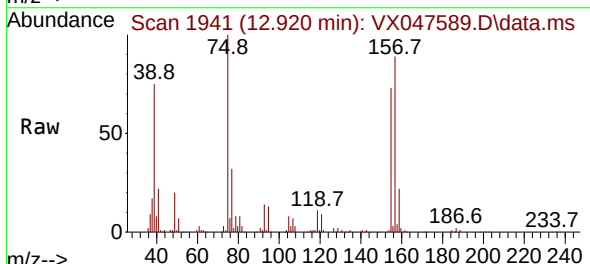
Tgt Ion: 75 Resp: 61029

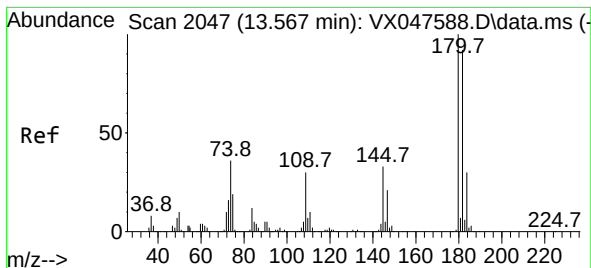
Ion Ratio Lower Upper

75 100

155 79.0 37.7 113.1

157 99.2 49.8 149.4





#93

1,2,4-Trichlorobenzene

Concen: 105.922 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

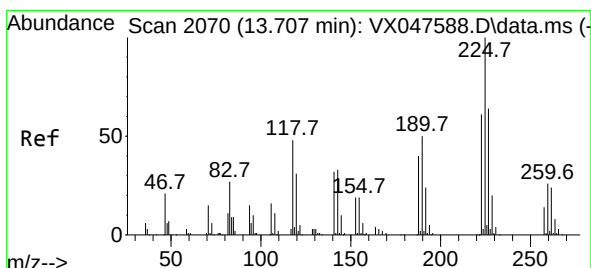
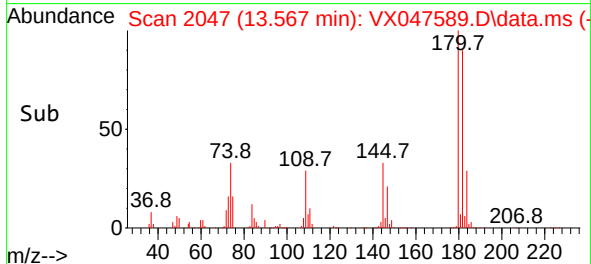
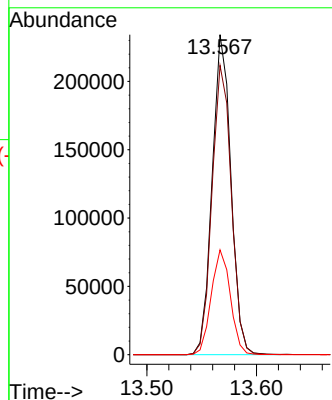
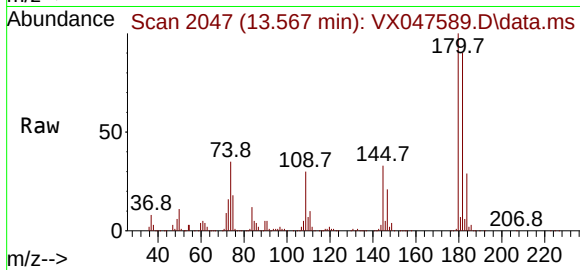
Tgt Ion:180 Resp: 278777

Ion Ratio Lower Upper

180 100

182 93.2 46.6 139.8

145 33.3 16.4 49.1



#94

Hexachlorobutadiene

Concen: 103.049 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX047589.D

Acq: 16 Sep 2025 11:40

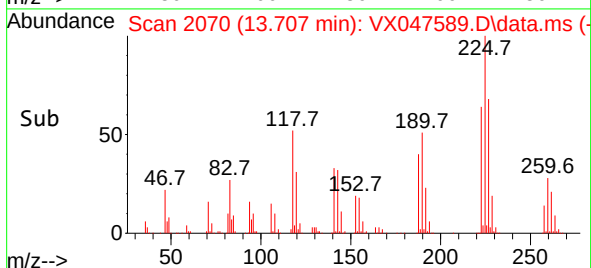
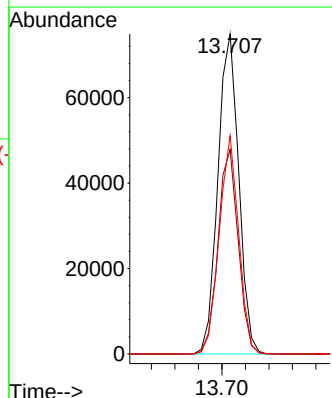
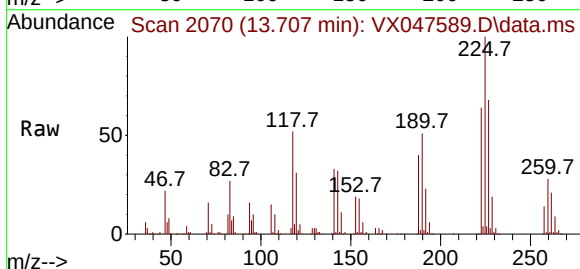
Tgt Ion:225 Resp: 92124

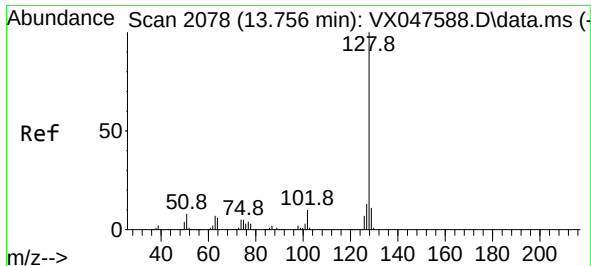
Ion Ratio Lower Upper

225 100

223 62.0 31.7 95.1

227 63.8 32.0 96.0

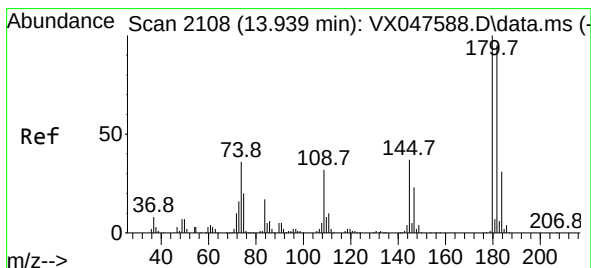
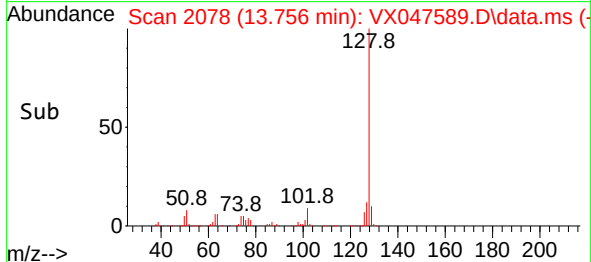
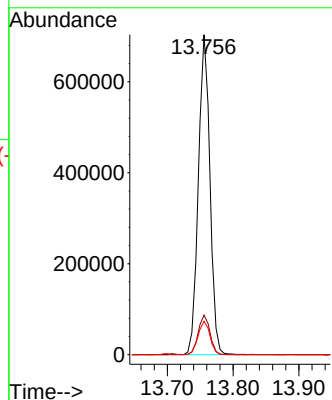
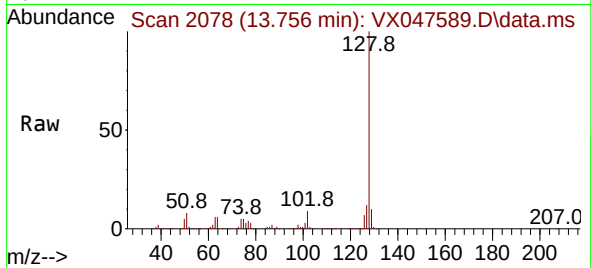




#95
Naphthalene
Concen: 106.620 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

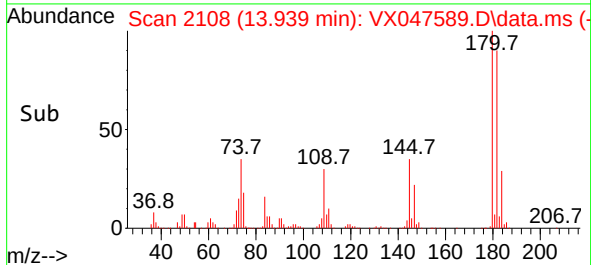
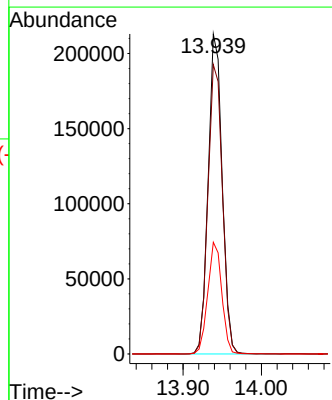
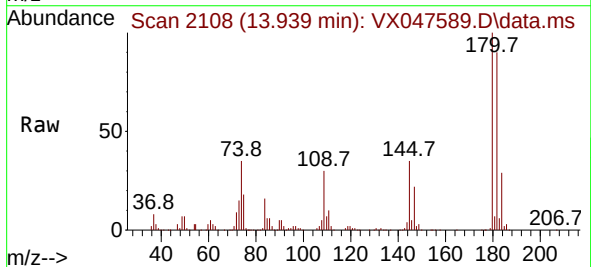
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 854492
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 107.633 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 263512
Ion Ratio Lower Upper
180 100
182 93.6 47.6 142.8
145 35.0 17.9 53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\X091625\
 Data File : VX047590.D
 Acq On : 16 Sep 2025 12:01
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 22 01:52:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	153177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	274804	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	241818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114743	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	396627	162.673	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 325.340%#	
35) Dibromofluoromethane	5.373	113	303728	164.802	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 329.600%#	
50) Toluene-d8	8.635	98	1041079	163.253	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 326.500%#	
62) 4-Bromofluorobenzene	11.067	95	399386	165.020	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 330.040%#	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.173	85	226166	142.586	ug/l	99
3) Chloromethane	1.301	50	297259	142.593	ug/l	99
4) Vinyl Chloride	1.380	62	302303	148.140	ug/l	98
5) Bromomethane	1.605	94	147541	114.019	ug/l	98
6) Chloroethane	1.691	64	195927	143.652	ug/l	99
7) Trichlorofluoromethane	1.892	101	453116	149.545	ug/l	99
8) Diethyl Ether	2.136	74	188006	151.684	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	267995	151.264	ug/l	99
10) Methyl Iodide	2.453	142	407242	147.384	ug/l	99
11) Tert butyl alcohol	2.959	59	215927	795.166	ug/l	100
12) 1,1-Dichloroethene	2.325	96	273692	150.388	ug/l	97
13) Acrolein	2.239	56	223763	894.203	ug/l	98
14) Allyl chloride	2.666	41	554779	147.727	ug/l	99
15) Acrylonitrile	3.063	53	790790	786.201	ug/l	99
16) Acetone	2.380	43	686119	647.201	ug/l	98
17) Carbon Disulfide	2.514	76	714503	143.412	ug/l	99
18) Methyl Acetate	2.703	43	404736	171.548	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	1015295	152.826	ug/l	100
20) Methylene Chloride	2.788	84	324032	144.398	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	291616	148.833	ug/l	98
22) Diisopropyl ether	3.757	45	1095726	150.551	ug/l	97
23) Vinyl Acetate	3.715	43	4504849	773.364	ug/l	100
24) 1,1-Dichloroethane	3.605	63	587129	151.776	ug/l	98
25) 2-Butanone	4.544	43	973938	736.502	ug/l	99
26) 2,2-Dichloropropane	4.471	77	486890	151.414	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	366262	152.638	ug/l	99
28) Bromochloromethane	4.885	49	289548	171.451	ug/l	99
29) Tetrahydrofuran	4.989	42	616374	774.811	ug/l	100
30) Chloroform	5.080	83	591709	151.367	ug/l	99
31) Cyclohexane	5.458	56	456119	141.570	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	506654	152.802	ug/l	99
36) 1,1-Dichloropropene	5.684	75	386601	143.556	ug/l	99
37) Ethyl Acetate	4.702	43	444461	154.141	ug/l	99
38) Carbon Tetrachloride	5.666	117	427263	146.021	ug/l	98
39) Methylcyclohexane	7.367	83	456694	149.395	ug/l	98
40) Benzene	6.025	78	1202846	147.057	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047590.D
 Acq On : 16 Sep 2025 12:01
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 22 01:52:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	223218	149.951	ug/l	99
42) 1,2-Dichloroethane	6.074	62	455978	146.515	ug/l	99
43) Isopropyl Acetate	6.324	43	724888	153.283	ug/l	99
44) Trichloroethene	7.111	130	299673	151.542	ug/l	96
45) 1,2-Dichloropropane	7.415	63	316720	151.219	ug/l	99
46) Dibromomethane	7.568	93	228550	149.954	ug/l	97
47) Bromodichloromethane	7.806	83	483438	153.710	ug/l	98
48) Methyl methacrylate	7.678	41	367931	156.194	ug/l	99
49) 1,4-Dioxane	7.647	88	82739	3475.565	ug/l	98
51) 4-Methyl-2-Pentanone	8.562	43	2008063	765.849	ug/l	100
52) Toluene	8.702	92	739332	146.712	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	503912	157.076	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	530566	154.732	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	289103	148.781	ug/l	99
56) Ethyl methacrylate	9.104	69	490623	160.773	ug/l	97
57) 1,3-Dichloropropane	9.293	76	502121	150.426	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.232	63	1202206	749.661	ug/l	99
59) 2-Hexanone	9.415	43	1412417	750.035	ug/l	99
60) Dibromochloromethane	9.506	129	347748	155.318	ug/l	98
61) 1,2-Dibromoethane	9.592	107	302715	152.949	ug/l	99
64) Tetrachloroethene	9.263	164	227931	144.590	ug/l	98
65) Chlorobenzene	10.061	112	828239	150.763	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	291433	153.733	ug/l	98
67) Ethyl Benzene	10.177	91	1431554	151.026	ug/l	99
68) m/p-Xylenes	10.287	106	1059776	300.381	ug/l	99
69) o-Xylene	10.628	106	521840	152.920	ug/l	99
70) Styrene	10.640	104	917532	153.449	ug/l	99
71) Bromoform	10.781	173	229683	162.262	ug/l	99
73) Isopropylbenzene	10.945	105	1321409	151.477	ug/l	99
74) N-amyl acetate	10.829	43	636879	160.099	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	403906	153.035	ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	470623	202.576	ug/l	89
77) Bromobenzene	11.183	156	328336	152.818	ug/l	99
78) n-propylbenzene	11.287	91	1550316	150.337	ug/l	99
79) 2-Chlorotoluene	11.348	91	939707	148.781	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	1091593	152.306	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	145921	160.176	ug/l	97
82) 4-Chlorotoluene	11.439	91	1127233	151.112	ug/l	100
83) tert-Butylbenzene	11.701	119	1106532	150.819	ug/l	99
84) 1,2,4-Trimethylbenzene	11.738	105	1106914	152.336	ug/l	100
85) sec-Butylbenzene	11.872	105	1319819	151.448	ug/l	99
86) p-Isopropyltoluene	11.994	119	1103210	149.530	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	605123	151.633	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	613617	149.814	ug/l	99
89) n-Butylbenzene	12.317	91	1032357	151.222	ug/l	100
90) Hexachloroethane	12.518	117	211472	163.258	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	582565	153.227	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	89415	167.332	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	387652	156.884	ug/l	98
94) Hexachlorobutadiene	13.707	225	121791	145.110	ug/l	99
95) Naphthalene	13.756	128	1229363	163.388	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	369382	160.704	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

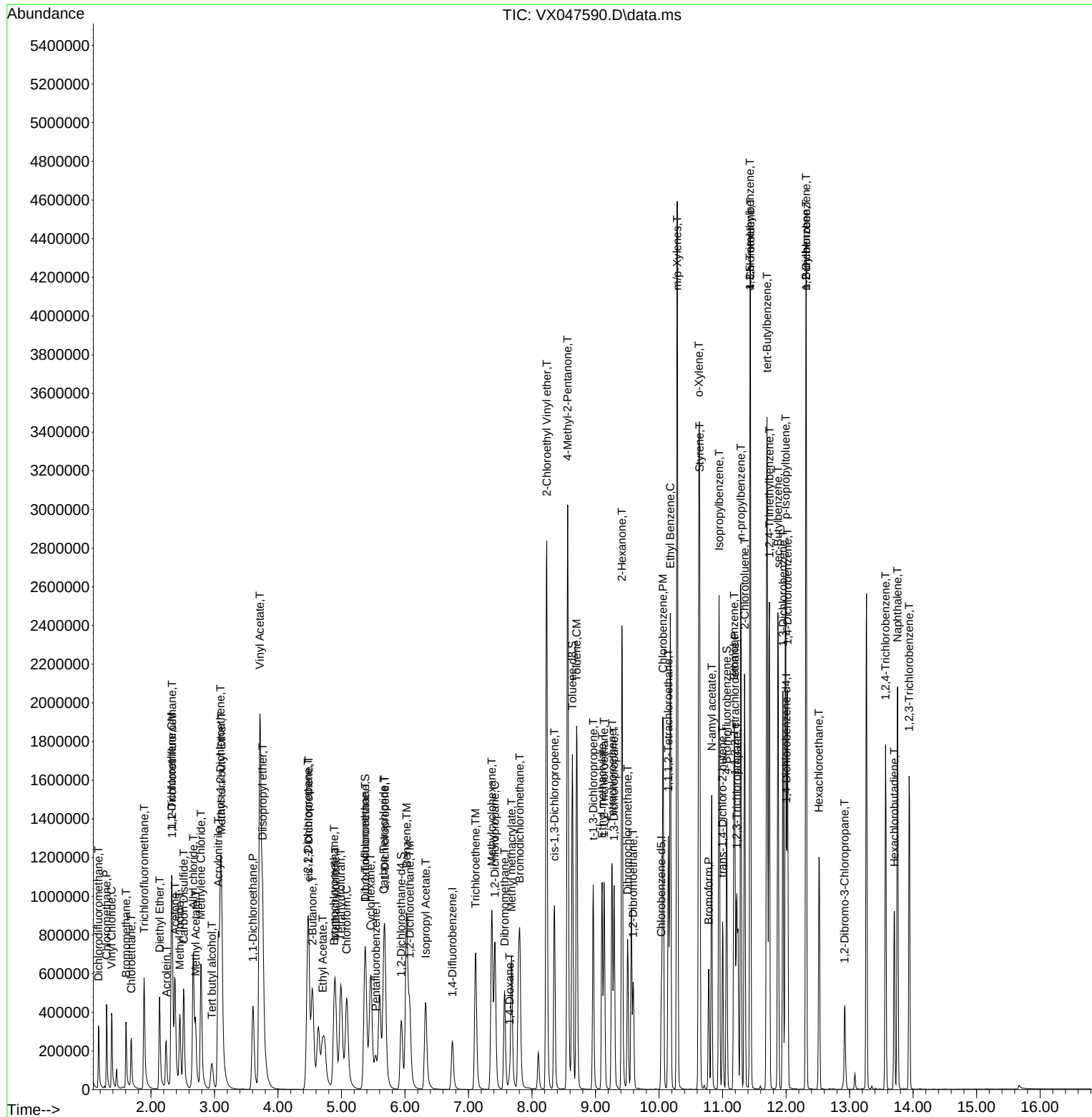
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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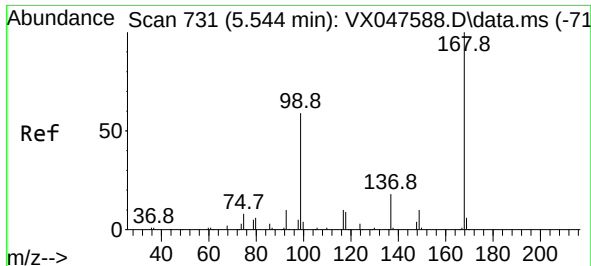
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDIC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

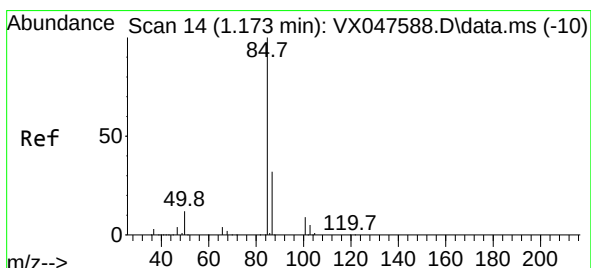
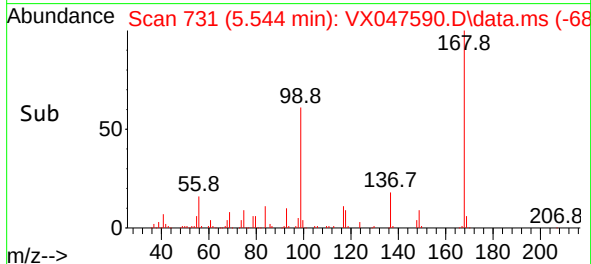
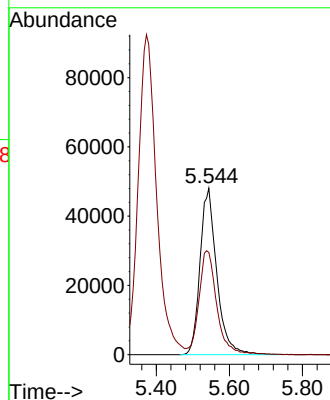
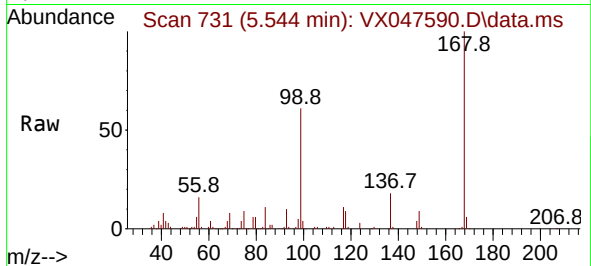




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

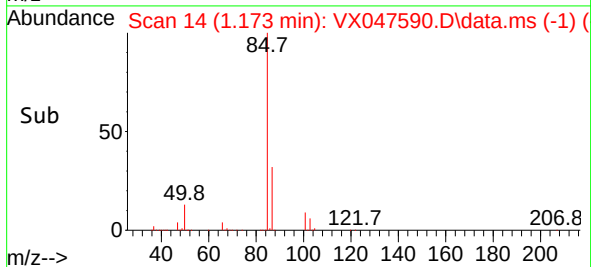
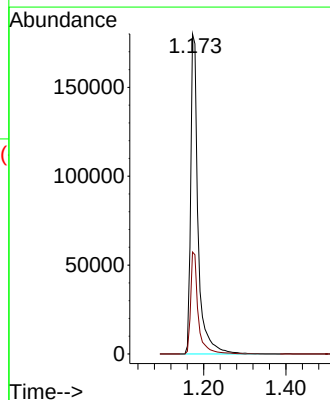
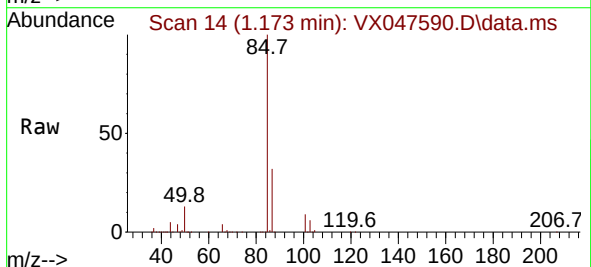
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

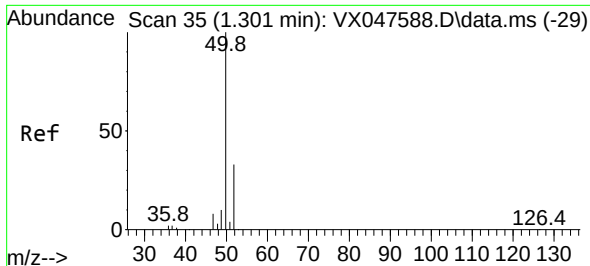
Tgt Ion:168 Resp: 153177
Ion Ratio Lower Upper
168 100
99 61.1 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 142.586 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 85 Resp: 226166
Ion Ratio Lower Upper
85 100
87 31.8 15.8 47.3

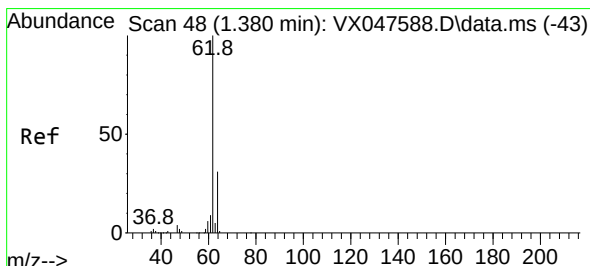
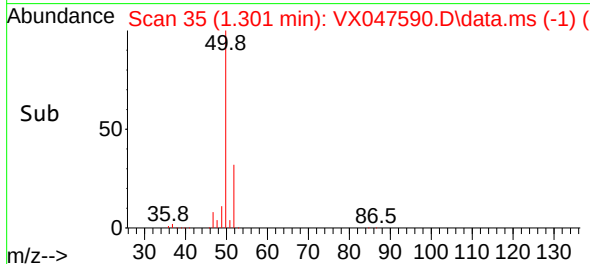
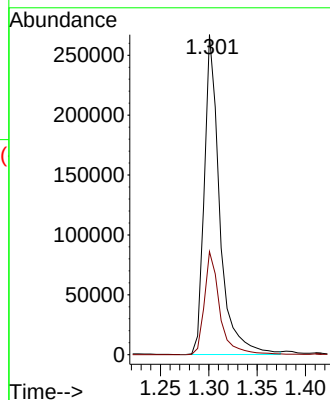
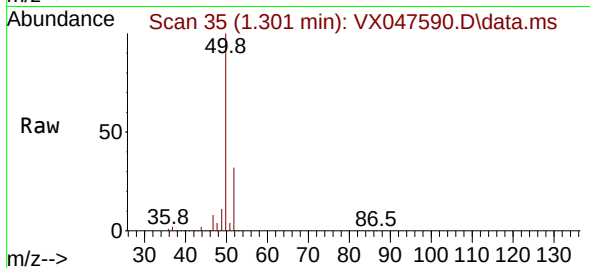




#3
Chloromethane
Concen: 142.593 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

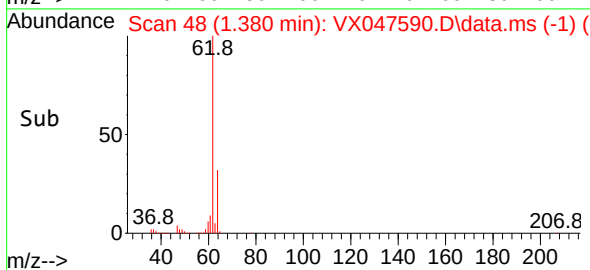
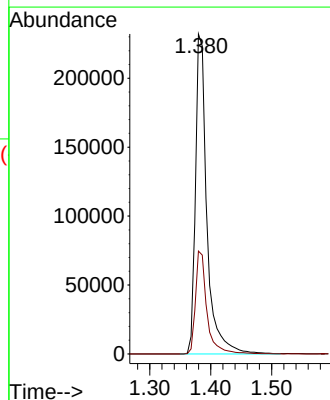
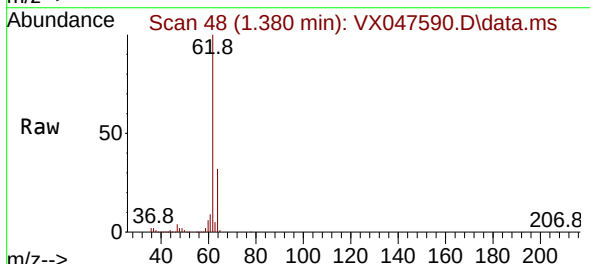
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ClientSampleId :
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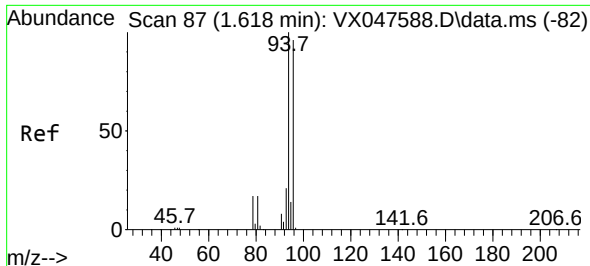
Tgt Ion: 50 Resp: 297259
Ion Ratio Lower Upper
50 100
52 32.2 26.1 39.1



#4
Vinyl Chloride
Concen: 148.140 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 302303
Ion Ratio Lower Upper
62 100
64 32.1 24.9 37.3

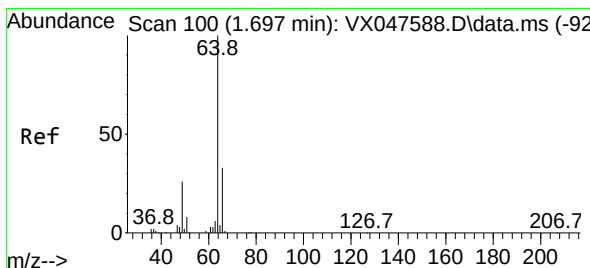
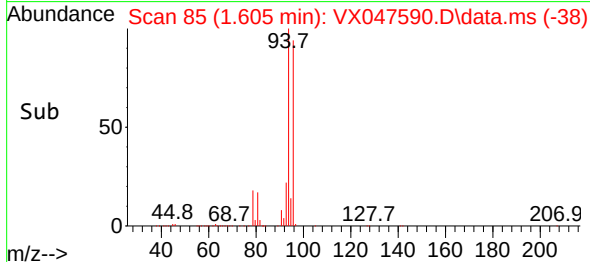
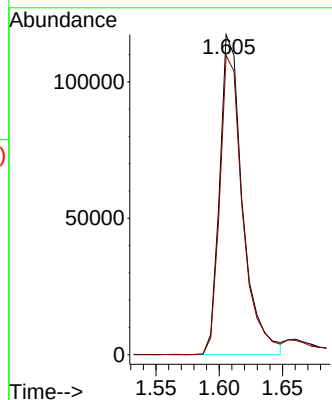
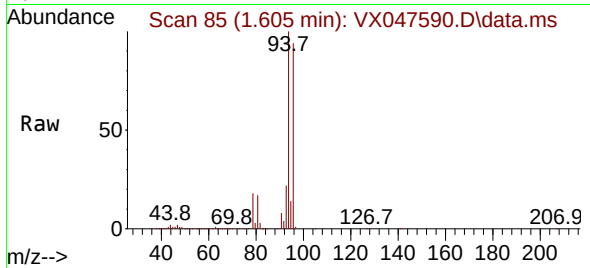




#5
Bromomethane
Concen: 114.019 ug/l
RT: 1.605 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

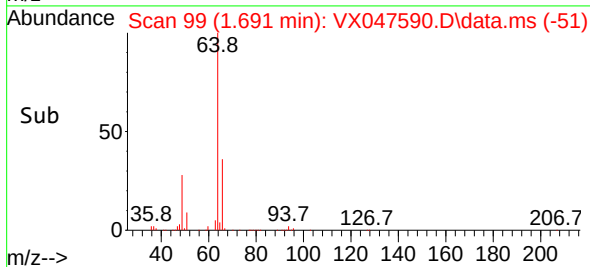
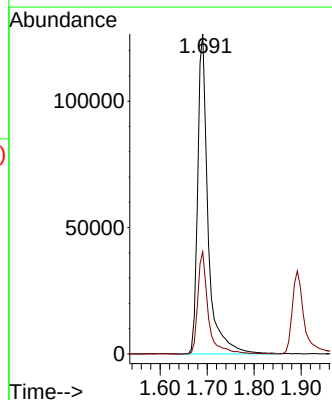
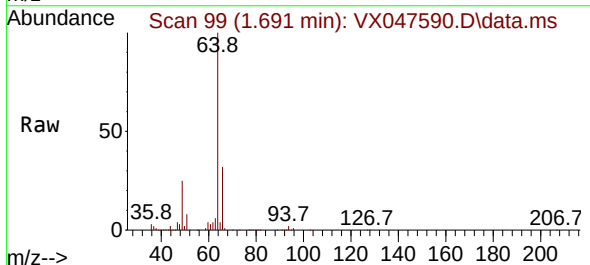
Instrument :
MSVOA_X
ClientSampleId :
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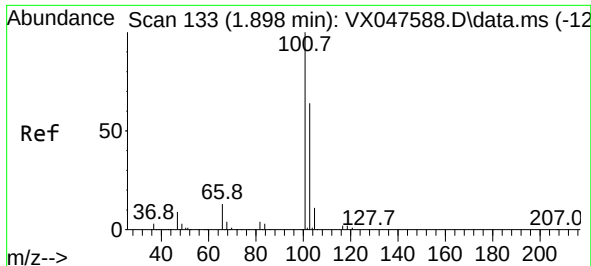
Tgt Ion: 94 Resp: 147541
Ion Ratio Lower Upper
94 100
96 93.4 76.6 115.0



#6
Chloroethane
Concen: 143.652 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 64 Resp: 195927
Ion Ratio Lower Upper
64 100
66 31.9 26.1 39.1

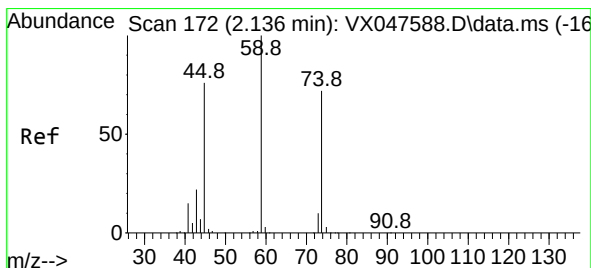
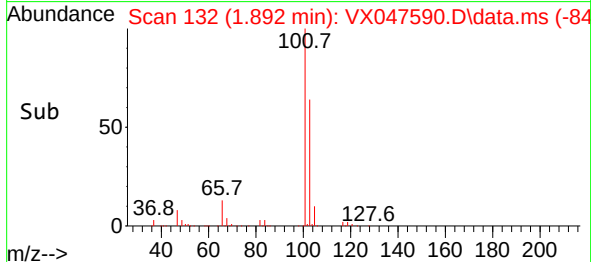
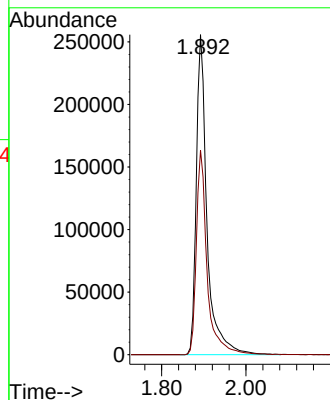
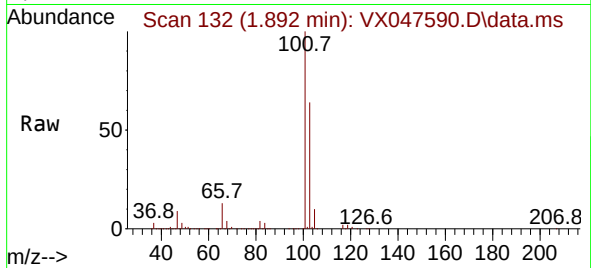




#7
 Trichlorofluoromethane
 Concen: 149.545 ug/l
 RT: 1.892 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX047590.D
 Acq: 16 Sep 2025 12:01

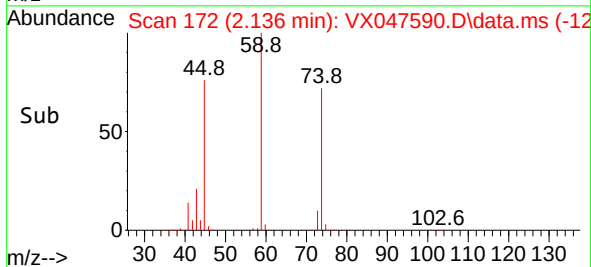
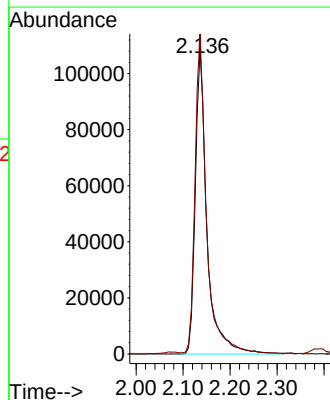
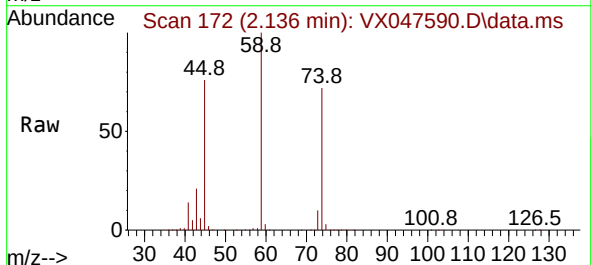
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

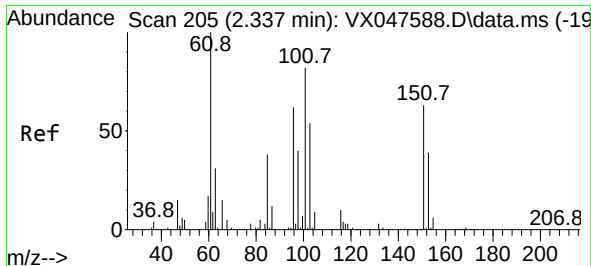
Tgt Ion:101 Resp: 453116
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.4 77.2



#8
 Diethyl Ether
 Concen: 151.684 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. -0.000 min
 Lab File: VX047590.D
 Acq: 16 Sep 2025 12:01

Tgt Ion: 74 Resp: 188006
 Ion Ratio Lower Upper
 74 100
 45 105.5 52.3 156.8

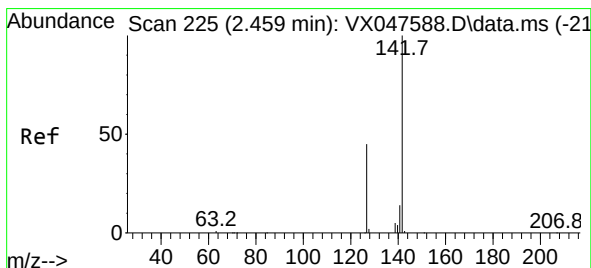
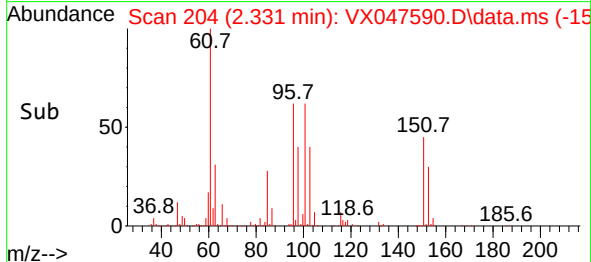
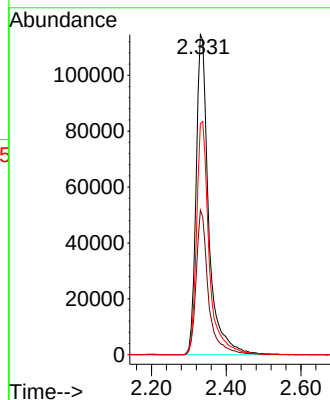
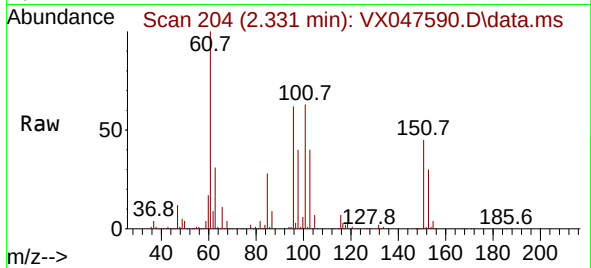




#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.264 ug/l
RT: 2.331 min Scan# 205
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

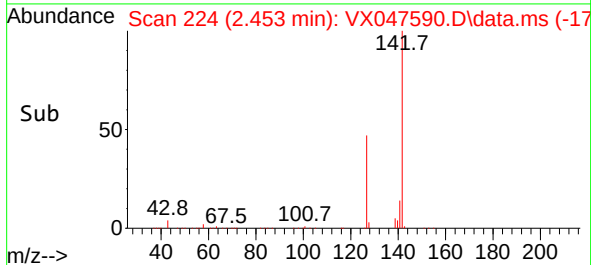
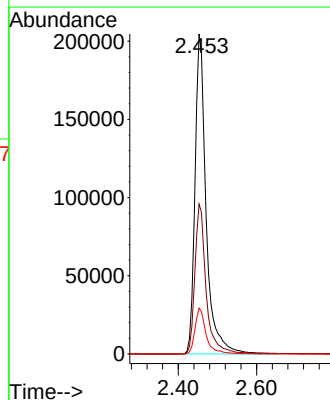
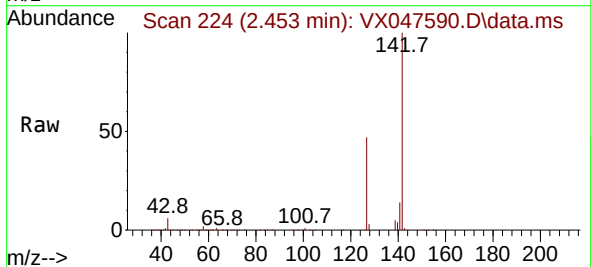
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

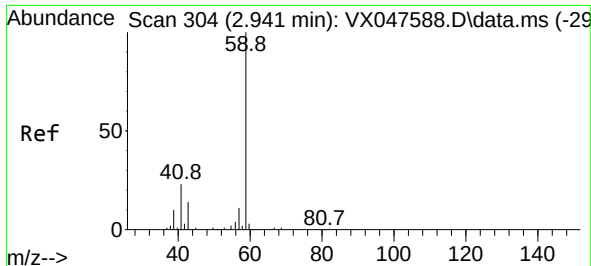
Tgt Ion:101 Resp: 267995
Ion Ratio Lower Upper
101 100
85 43.9 35.5 53.3
151 73.2 59.4 89.0



#10
Methyl Iodide
Concen: 147.384 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:142 Resp: 407242
Ion Ratio Lower Upper
142 100
127 47.3 37.2 55.8
141 14.3 11.4 17.0

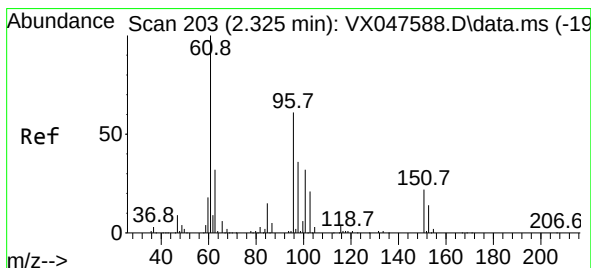
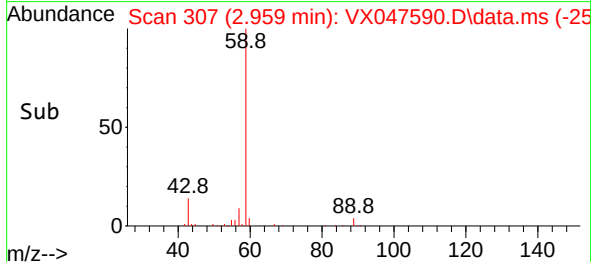
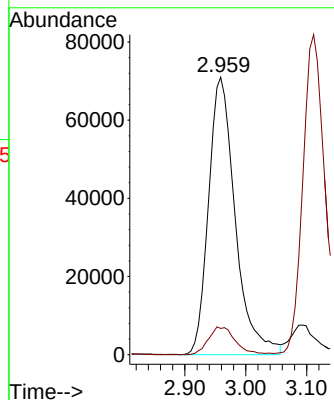
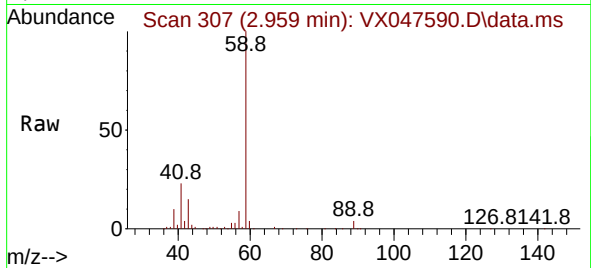




#11
Tert butyl alcohol
Concen: 795.166 ug/l
RT: 2.959 min Scan# 304
Delta R.T. 0.018 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

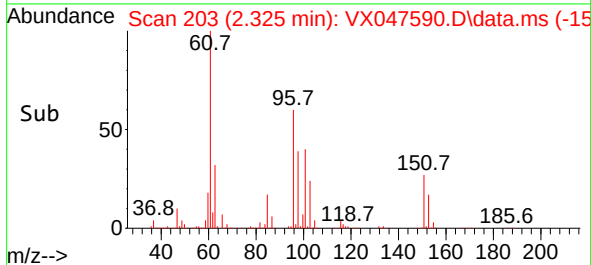
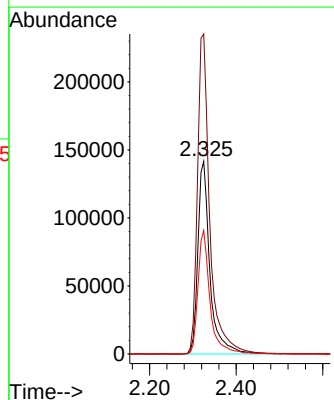
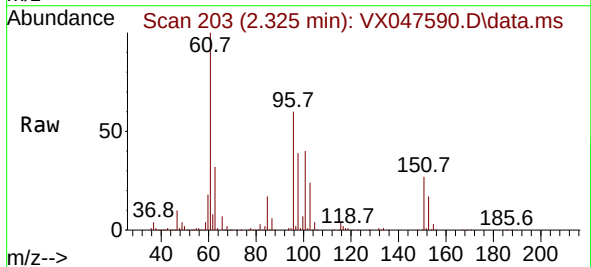
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

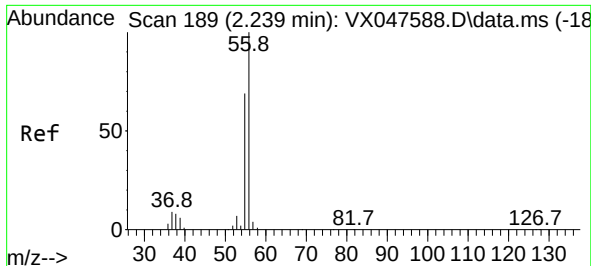
Tgt Ion: 59 Resp: 215927
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5



#12
1,1-Dichloroethene
Concen: 150.388 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 273692
Ion Ratio Lower Upper
96 100
61 166.1 131.0 196.6
98 64.0 47.7 71.5

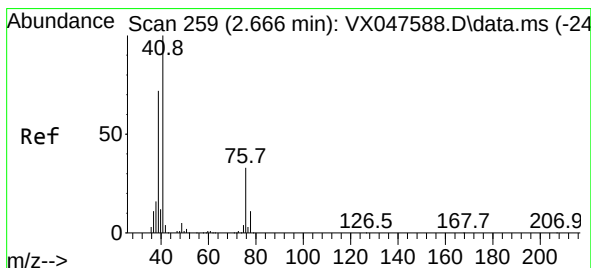
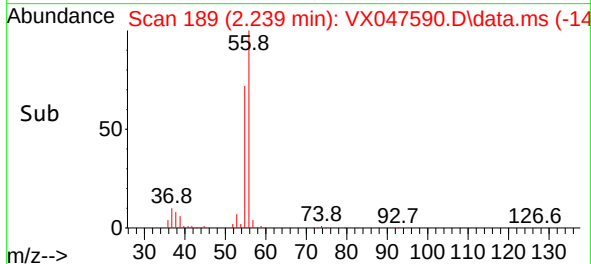
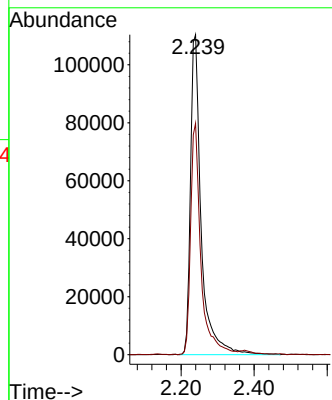
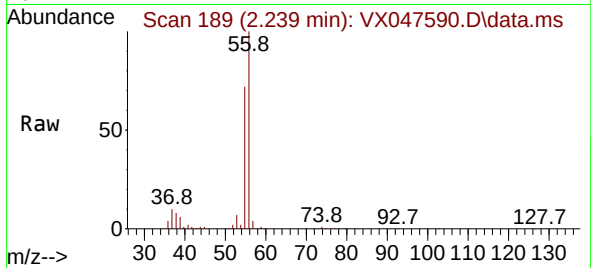




#13
Acrolein
Concen: 894.203 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

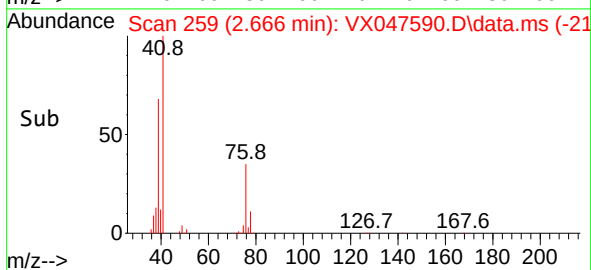
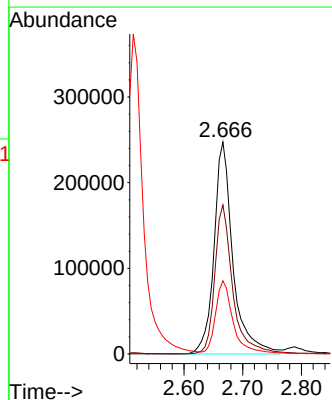
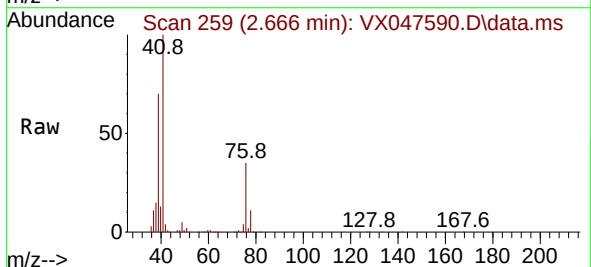
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

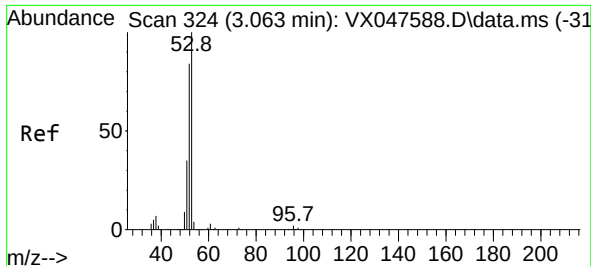
Tgt Ion: 56 Resp: 223763
Ion Ratio Lower Upper
56 100
55 69.6 57.2 85.8



#14
Allyl chloride
Concen: 147.727 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 554779
Ion Ratio Lower Upper
41 100
39 67.3 54.7 82.1
76 32.4 25.7 38.5

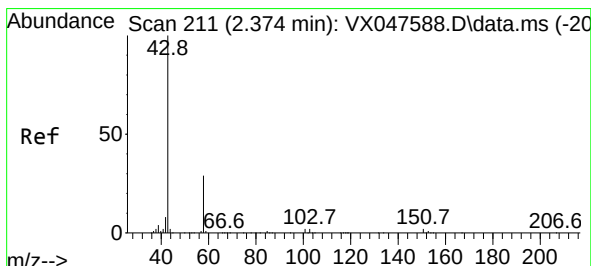
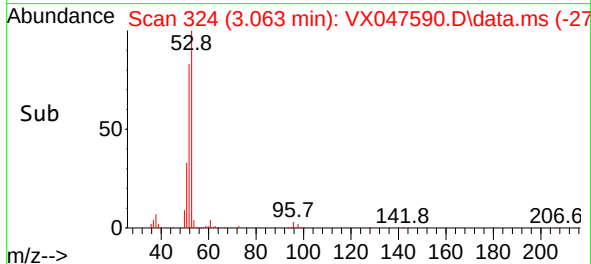
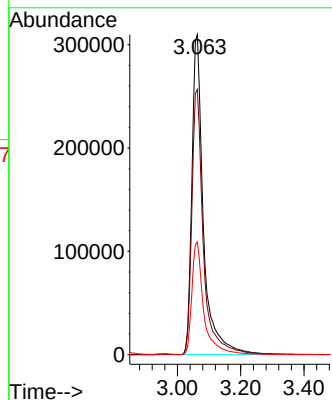
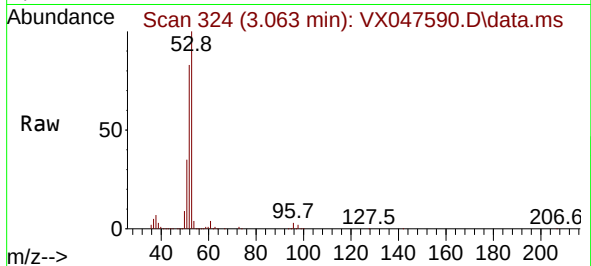




#15
Acrylonitrile
Concen: 786.201 ug/l
RT: 3.063 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

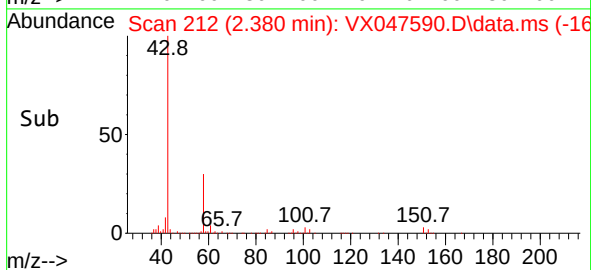
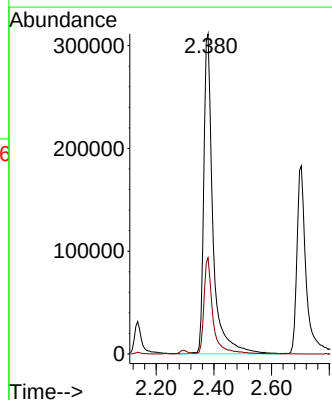
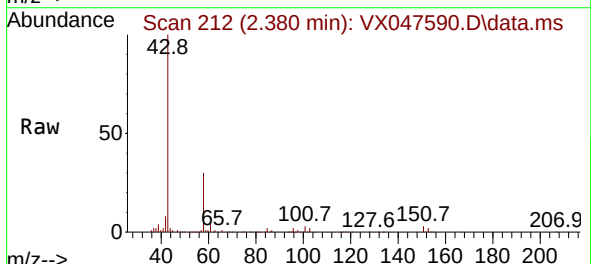
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

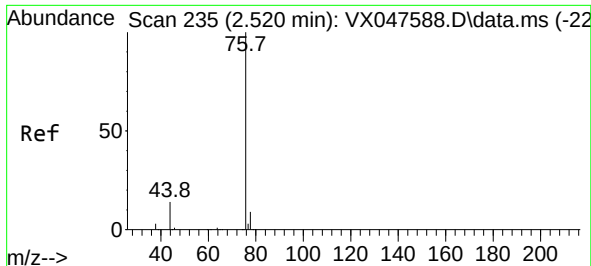
Tgt Ion: 53 Resp: 790790
Ion Ratio Lower Upper
53 100
52 82.6 66.4 99.6
51 36.1 29.5 44.3



#16
Acetone
Concen: 647.201 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 686119
Ion Ratio Lower Upper
43 100
58 30.0 23.4 35.0

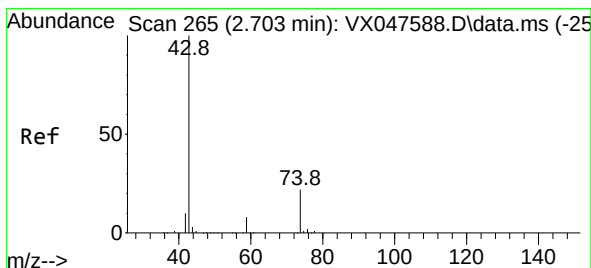
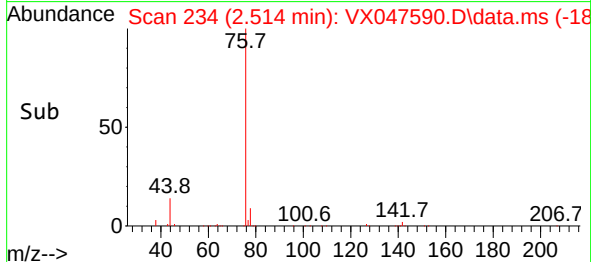
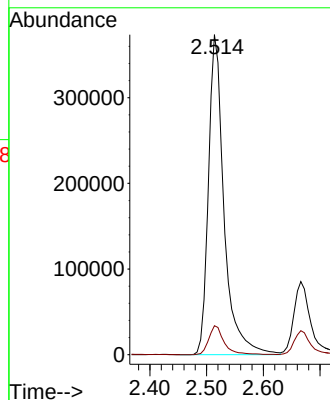
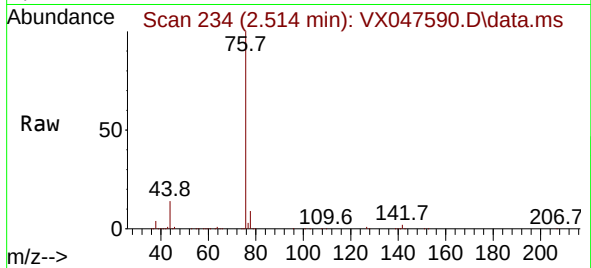




#17
Carbon Disulfide
Concen: 143.412 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

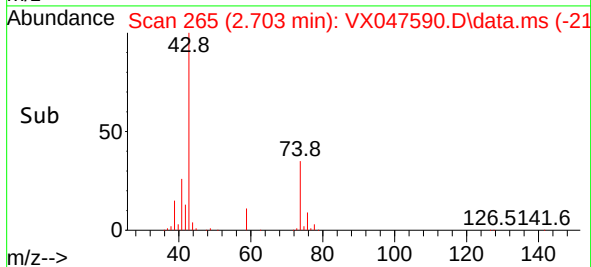
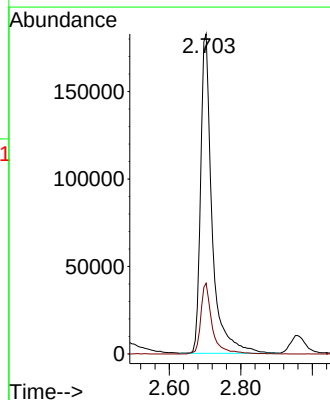
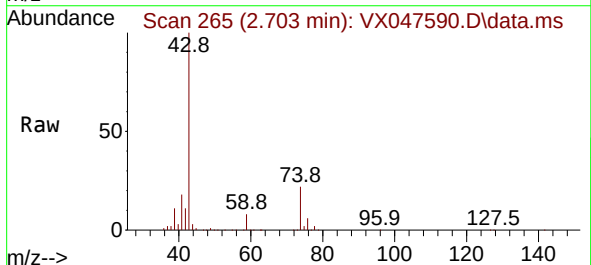
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

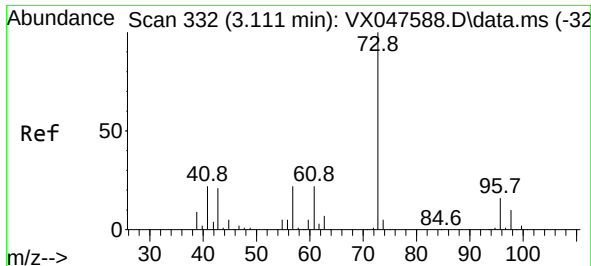
Tgt Ion: 76 Resp: 714503
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2



#18
Methyl Acetate
Concen: 171.548 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 404736
Ion Ratio Lower Upper
43 100
74 22.1 17.4 26.2

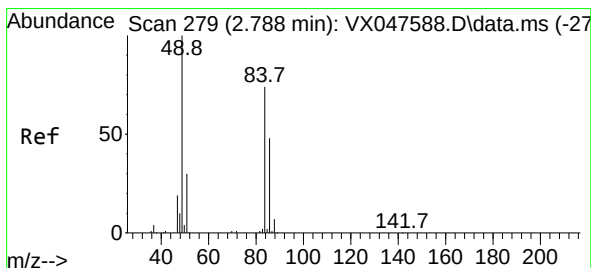
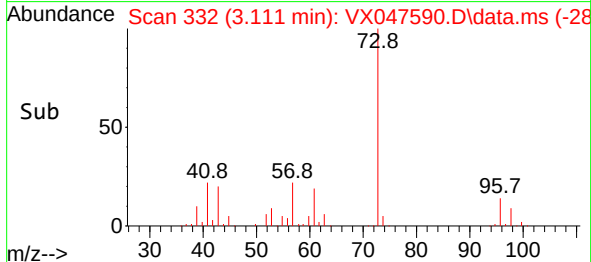
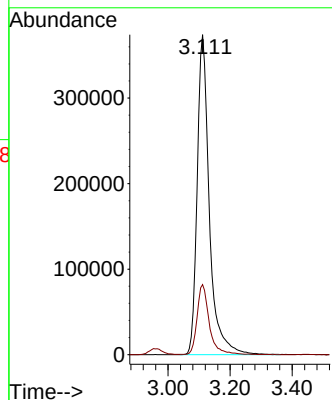
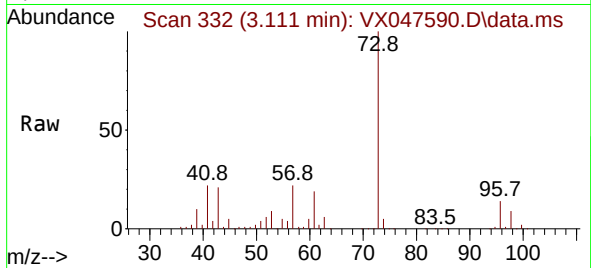




#19
Methyl tert-butyl Ether
Concen: 152.826 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

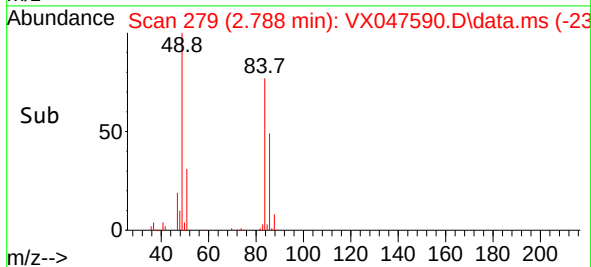
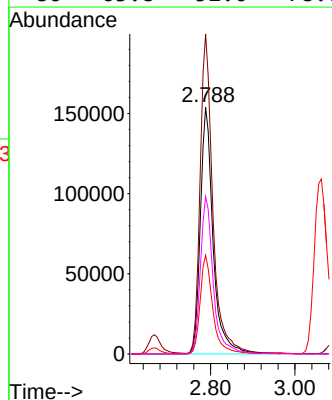
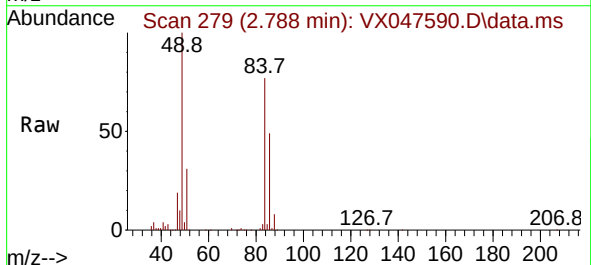
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

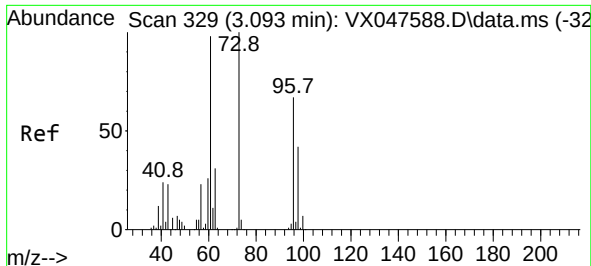
Tgt Ion: 73 Resp: 1015295
Ion Ratio Lower Upper
73 100
57 21.9 17.4 26.2



#20
Methylene Chloride
Concen: 144.398 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 84 Resp: 324032
Ion Ratio Lower Upper
84 100
49 129.4 108.6 162.8
51 39.9 32.6 48.8
86 63.8 52.0 78.0

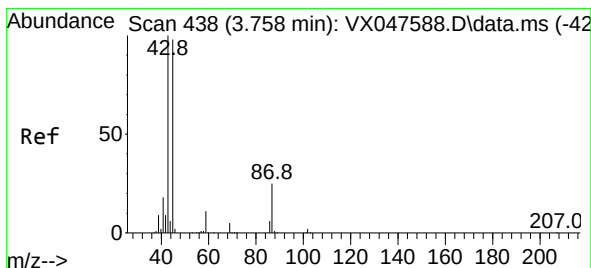
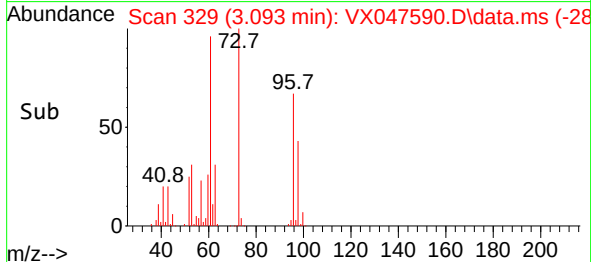
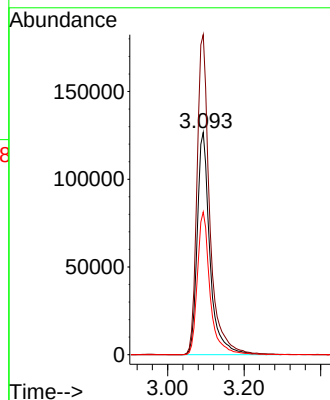
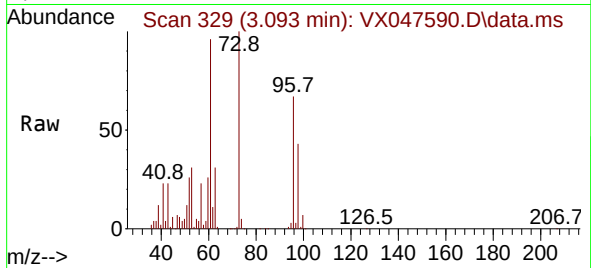




#21
trans-1,2-Dichloroethene
Concen: 148.833 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

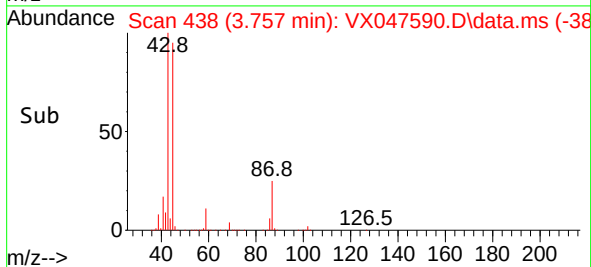
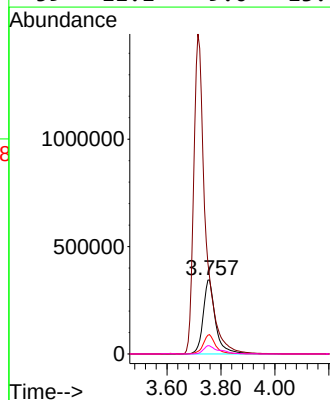
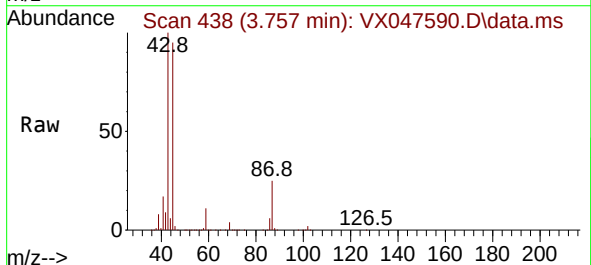
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

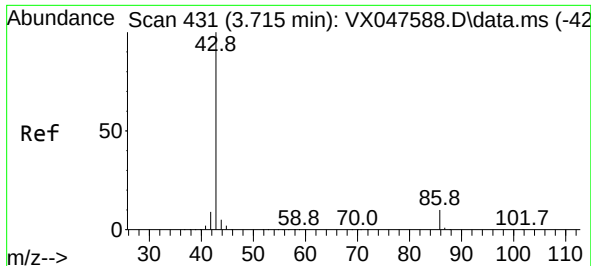
Tgt Ion: 96 Resp: 291616
Ion Ratio Lower Upper
96 100
61 144.0 116.2 174.2
98 64.3 49.3 73.9



#22
Diisopropyl ether
Concen: 150.551 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 45 Resp: 1095726
Ion Ratio Lower Upper
45 100
43 104.7 81.0 121.4
87 26.2 20.3 30.5
59 11.1 9.0 13.4

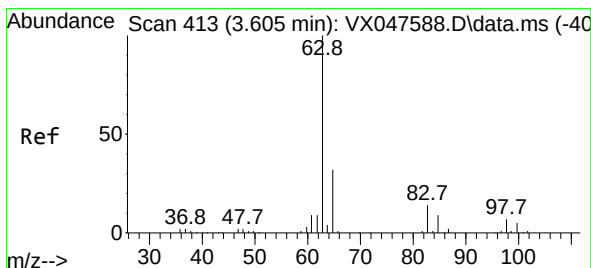
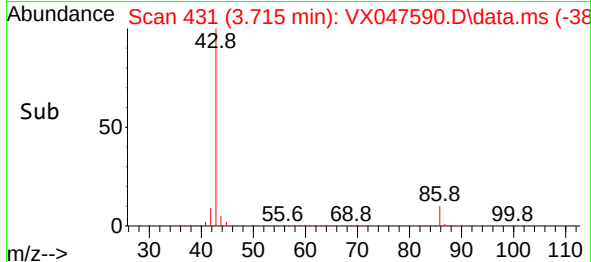
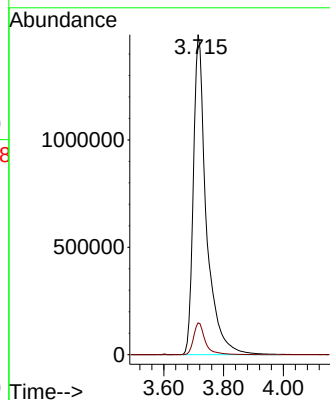
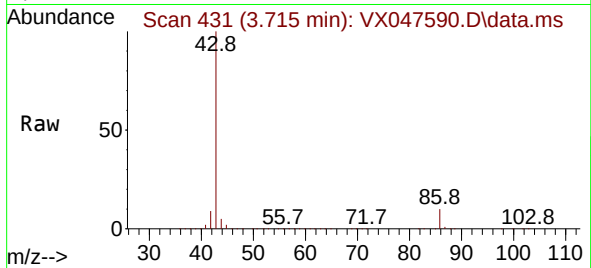




#23
 Vinyl Acetate
 Concen: 773.364 ug/l
 RT: 3.715 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX047590.D
 Acq: 16 Sep 2025 12:01

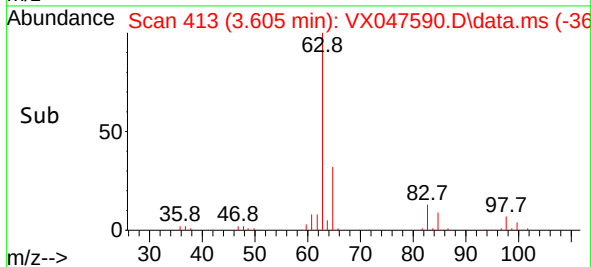
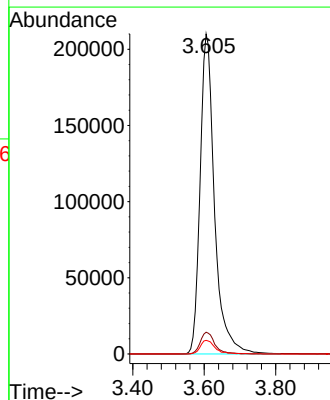
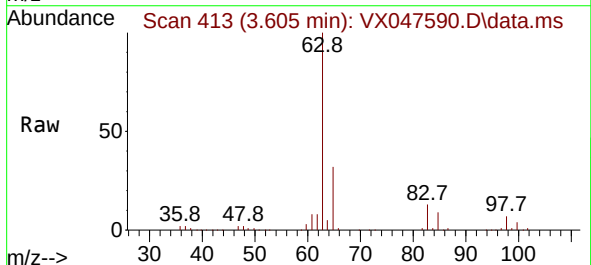
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

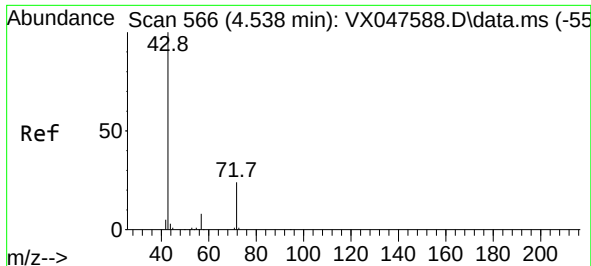
Tgt Ion: 43 Resp: 4504849
 Ion Ratio Lower Upper
 43 100
 86 10.0 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 151.776 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX047590.D
 Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 587129
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.8 11.2
 100 4.3 2.3 6.9

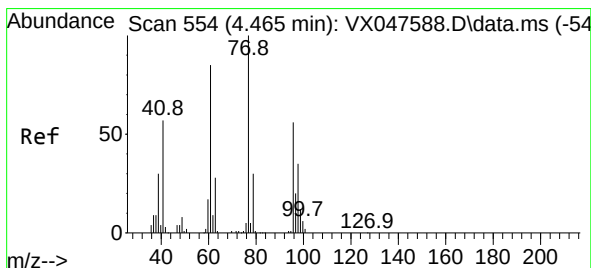
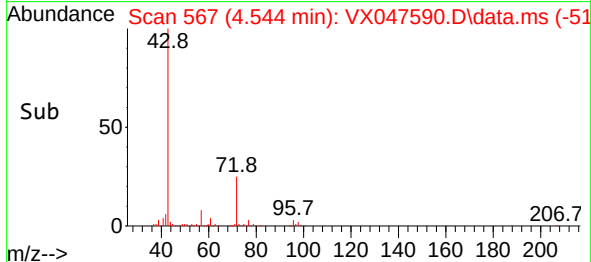
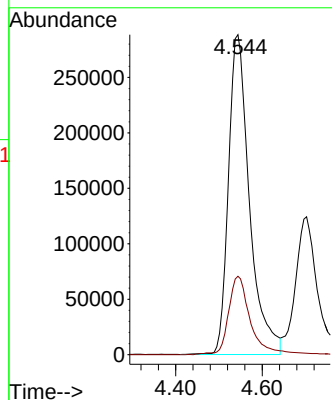
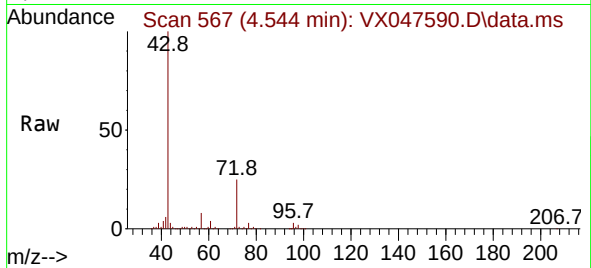




#25
2-Butanone
Concen: 736.502 ug/l
RT: 4.544 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

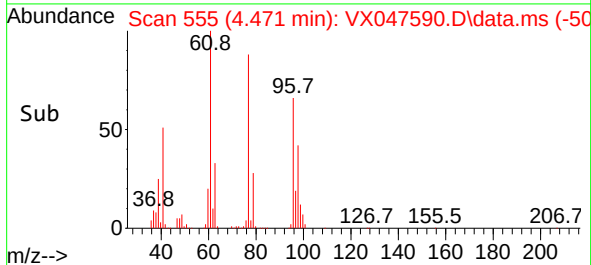
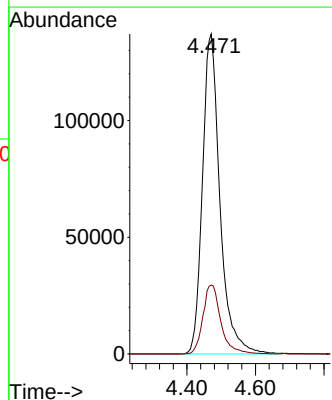
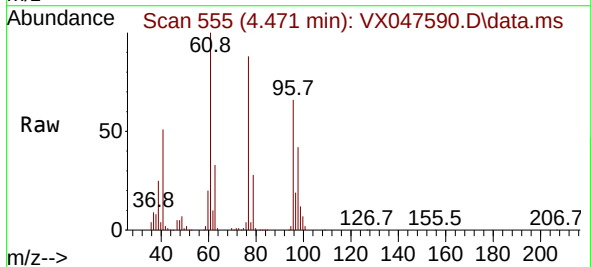
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

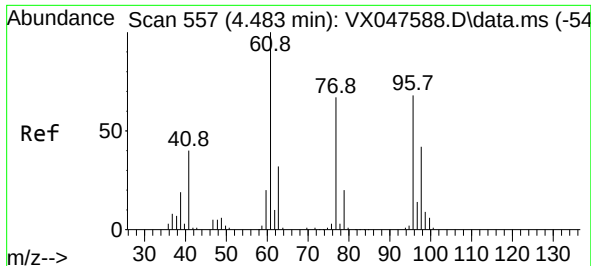
Tgt Ion: 43 Resp: 973938
Ion Ratio Lower Upper
43 100
72 24.6 20.1 30.1



#26
2,2-Dichloropropane
Concen: 151.414 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 77 Resp: 486890
Ion Ratio Lower Upper
77 100
97 22.1 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 152.638 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

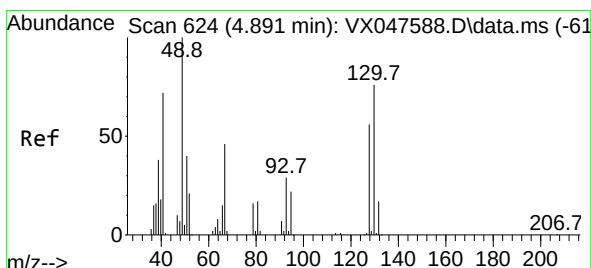
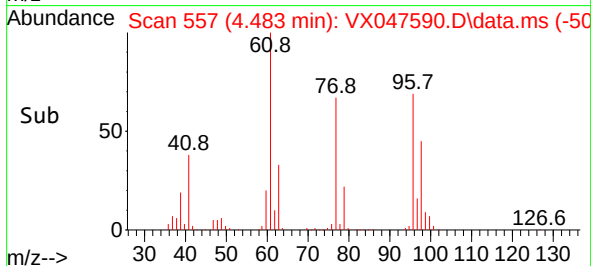
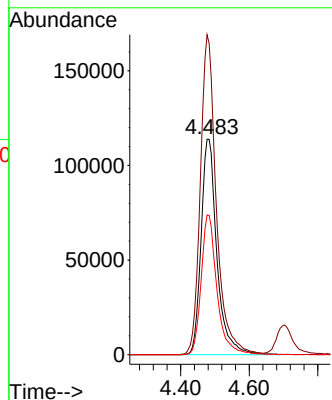
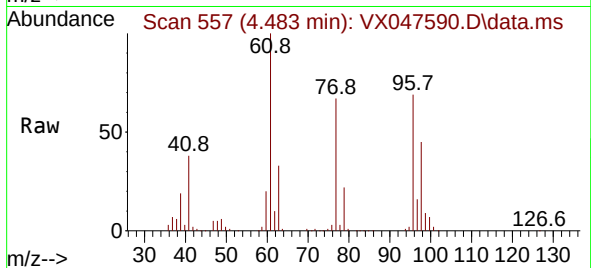
Tgt Ion: 96 Resp: 366262

Ion Ratio Lower Upper

96 100

61 149.8 0.0 303.2

98 64.6 0.0 127.8



#28

Bromochloromethane

Concen: 171.451 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

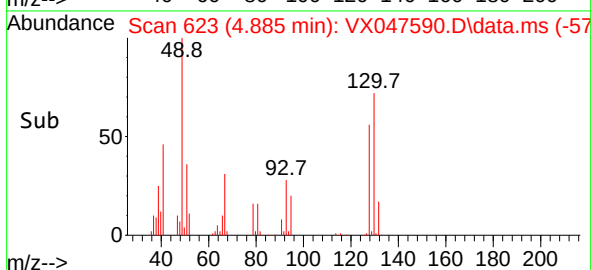
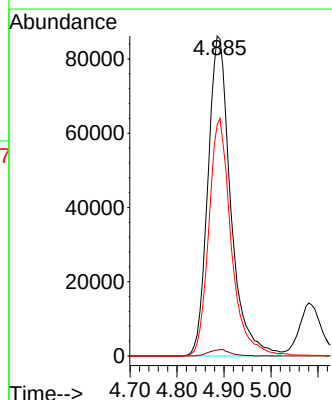
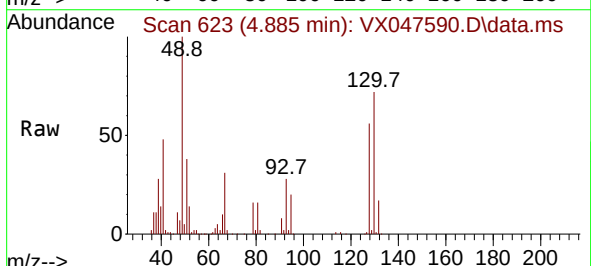
Tgt Ion: 49 Resp: 289548

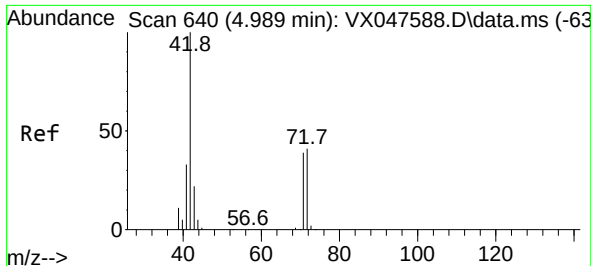
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.2

130 73.2 57.8 86.8





#29

Tetrahydrofuran

Concen: 774.811 ug/l

RT: 4.989 min Scan# 640

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

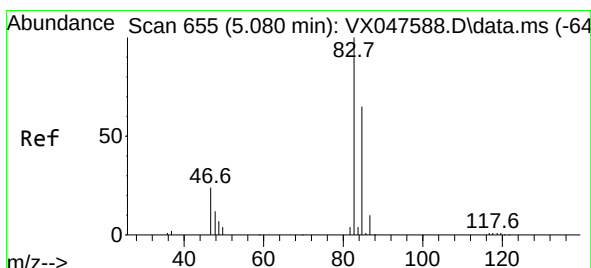
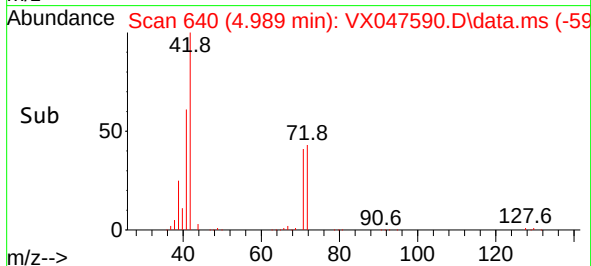
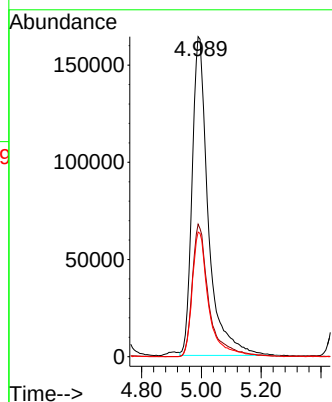
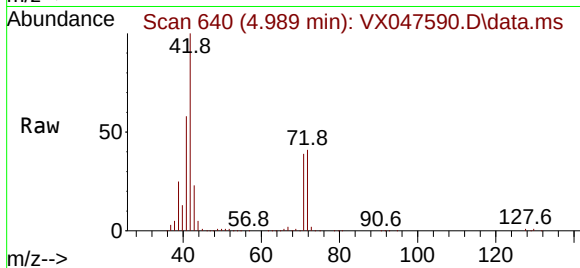
Tgt Ion: 42 Resp: 616374

Ion Ratio Lower Upper

42 100

72 42.8 34.2 51.2

71 39.9 31.9 47.9



#30

Chloroform

Concen: 151.367 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX047590.D

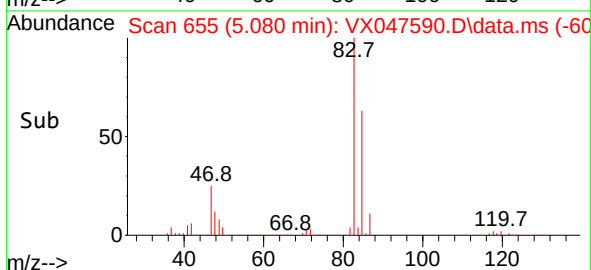
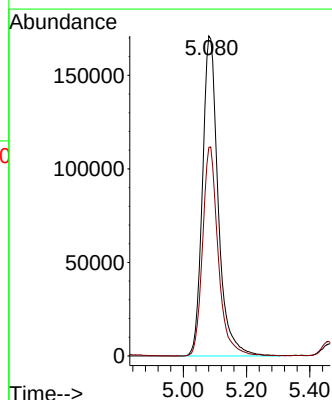
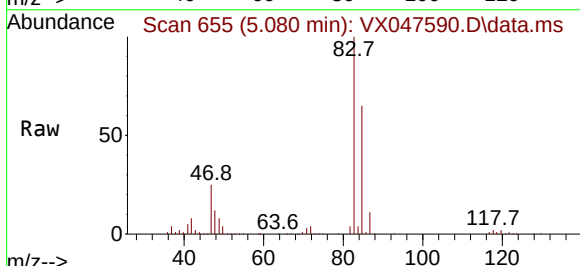
Acq: 16 Sep 2025 12:01

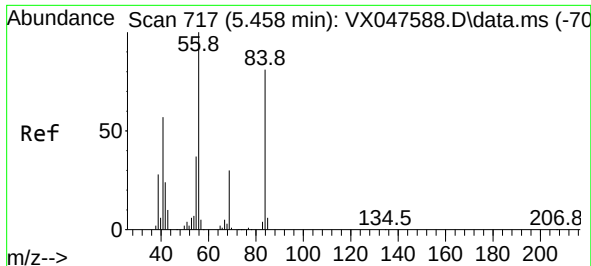
Tgt Ion: 83 Resp: 591709

Ion Ratio Lower Upper

83 100

85 65.2 51.8 77.6

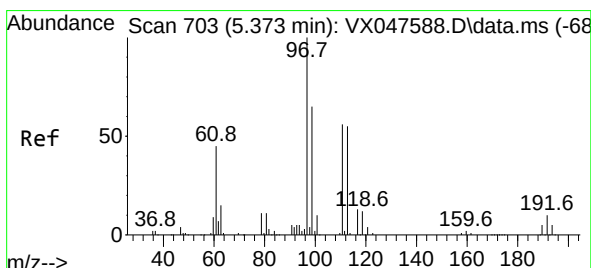
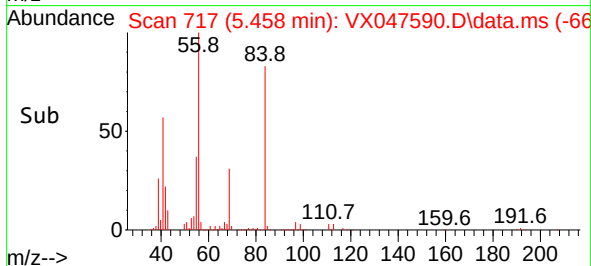
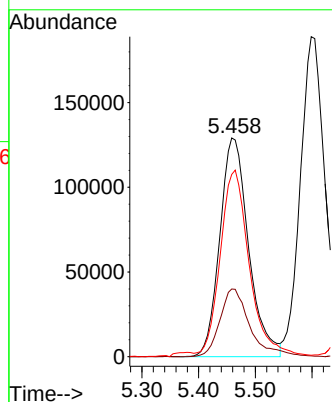
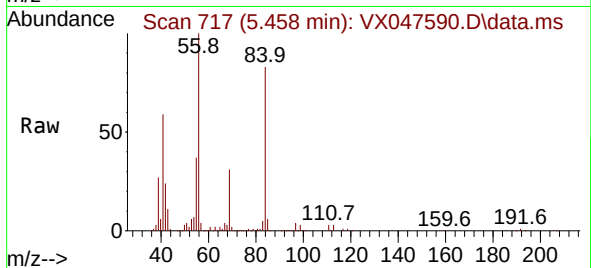




#31
Cyclohexane
Concen: 141.570 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

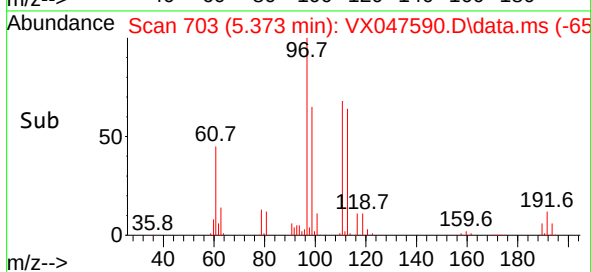
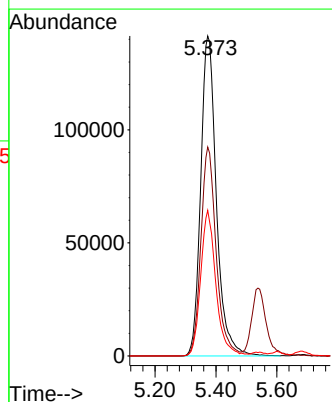
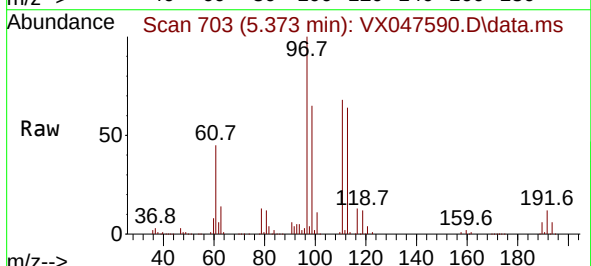
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

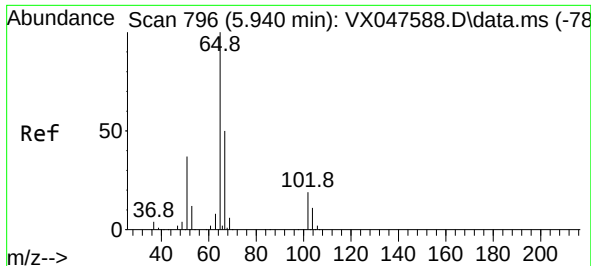
Tgt Ion: 56 Resp: 456119
Ion Ratio Lower Upper
56 100
69 30.5 23.8 35.8
84 81.5 64.6 97.0



#32
1,1,1-Trichloroethane
Concen: 152.802 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 97 Resp: 506654
Ion Ratio Lower Upper
97 100
99 63.6 50.6 76.0
61 44.2 35.8 53.8

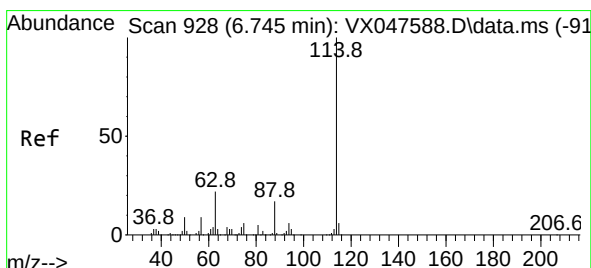
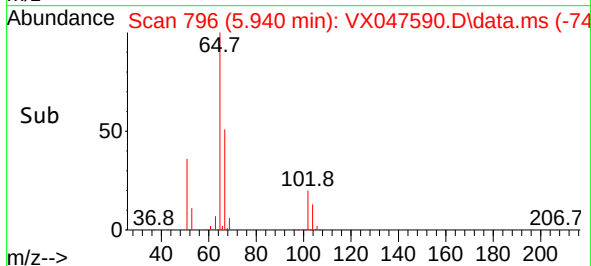
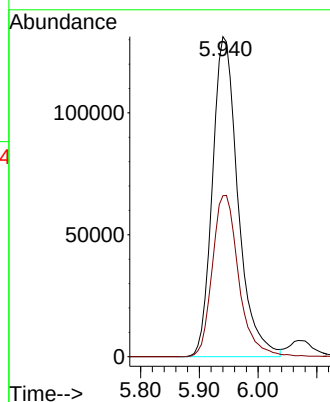
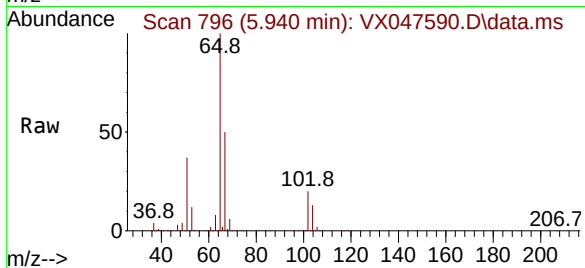




#33
1,2-Dichloroethane-d4
Concen: 162.673 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

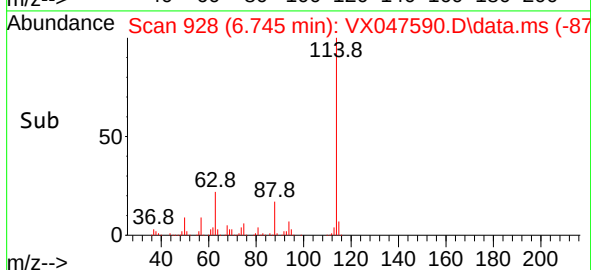
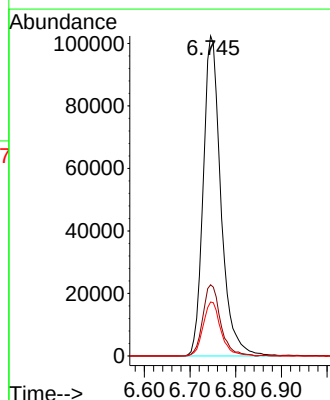
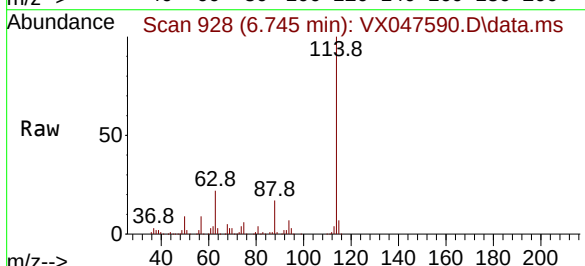
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

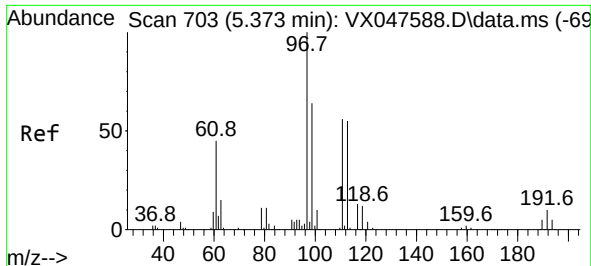
Tgt Ion: 65 Resp: 396627
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 114 Resp: 274804
Ion Ratio Lower Upper
114 100
63 22.3 0.0 44.0
88 16.8 0.0 34.2

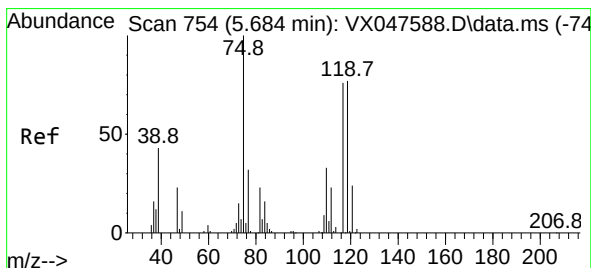
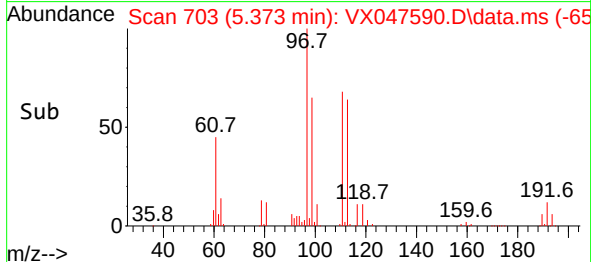
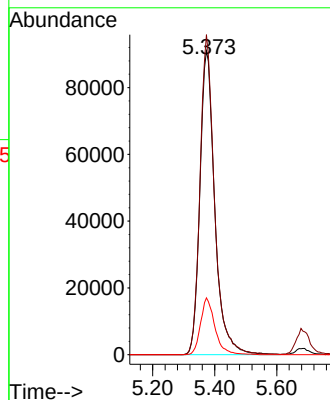
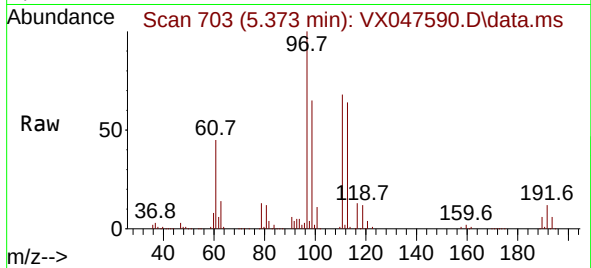




#35
Dibromofluoromethane
Concen: 164.802 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

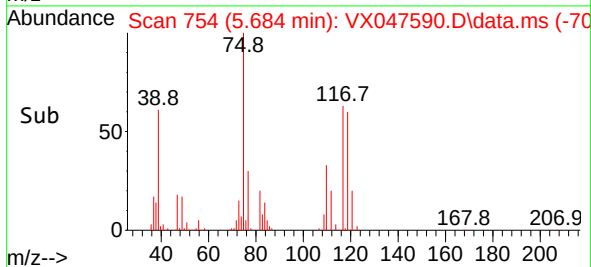
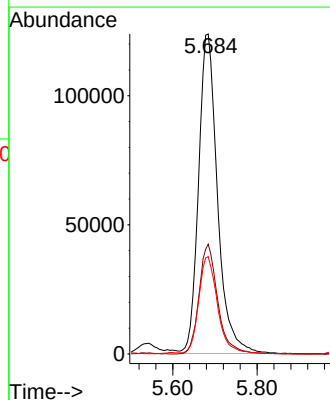
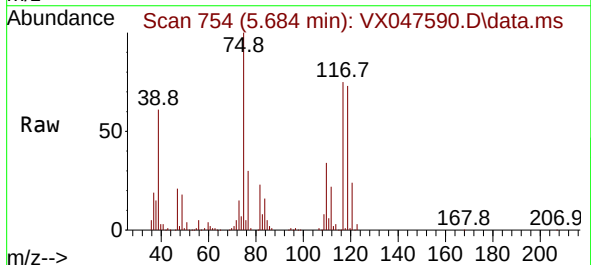
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

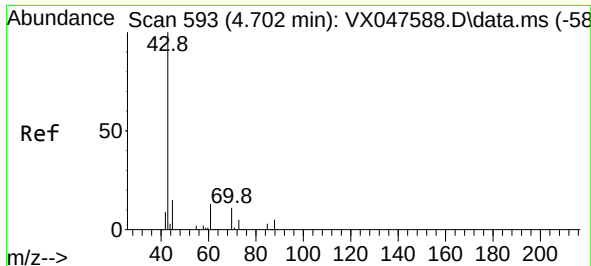
Tgt Ion:113 Resp: 303728
Ion Ratio Lower Upper
113 100
111 102.4 80.9 121.3
192 18.1 14.2 21.4



#36
1,1-Dichloropropene
Concen: 143.556 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 386601
Ion Ratio Lower Upper
75 100
110 33.9 16.7 50.1
77 30.6 24.3 36.5





#37

Ethyl Acetate

Concen: 154.141 ug/l

RT: 4.702 min Scan# 593

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

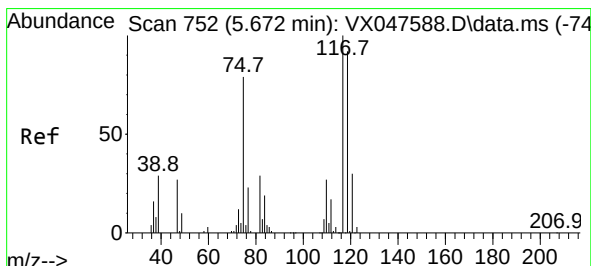
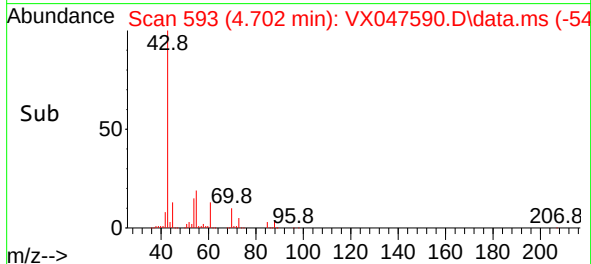
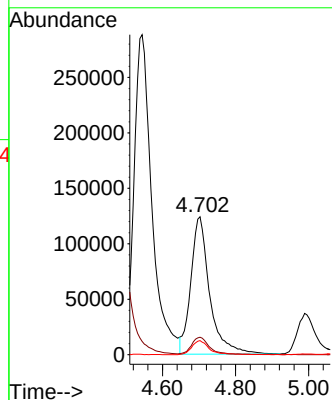
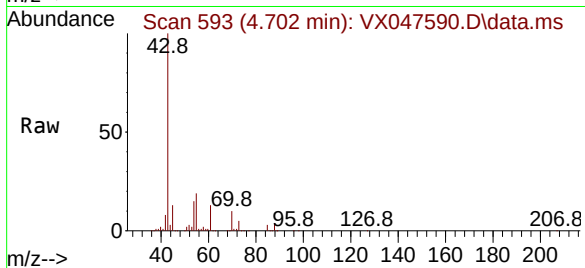
Tgt Ion: 43 Resp: 444461

Ion Ratio Lower Upper

43 100

61 12.1 9.8 14.8

70 9.5 7.9 11.9



#38

Carbon Tetrachloride

Concen: 146.021 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

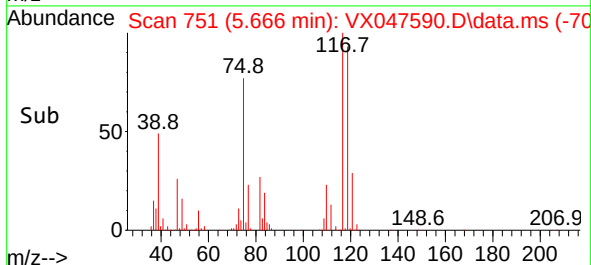
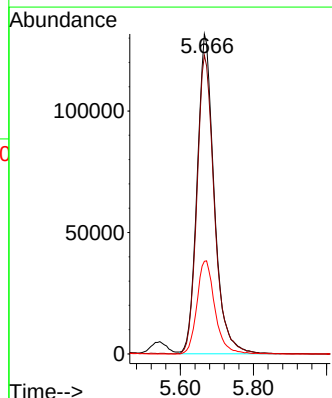
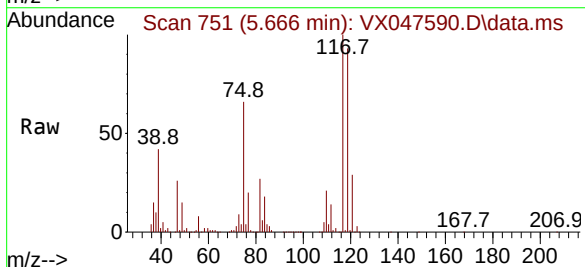
Tgt Ion: 117 Resp: 427263

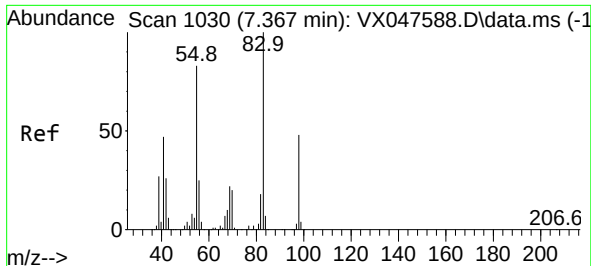
Ion Ratio Lower Upper

117 100

119 93.3 73.4 110.2

121 29.0 23.8 35.6





#39

Methylcyclohexane

Concen: 149.395 ug/l

RT: 7.367 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

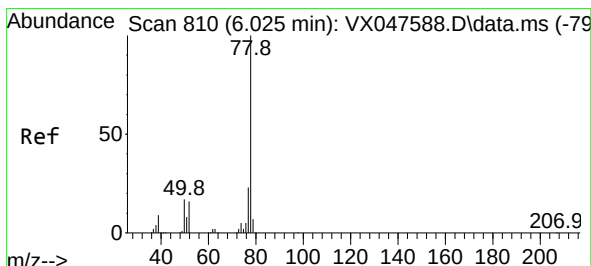
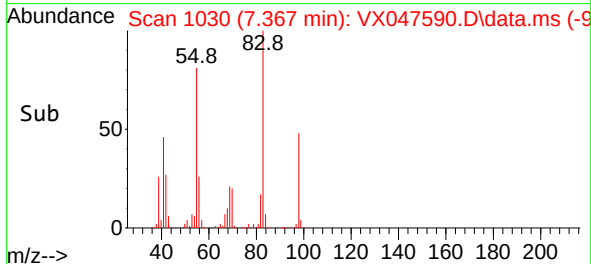
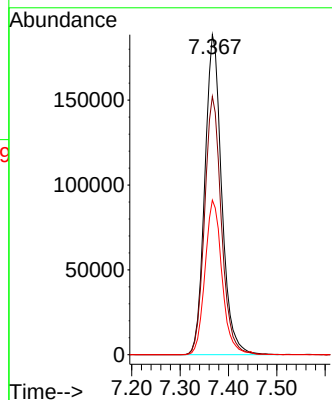
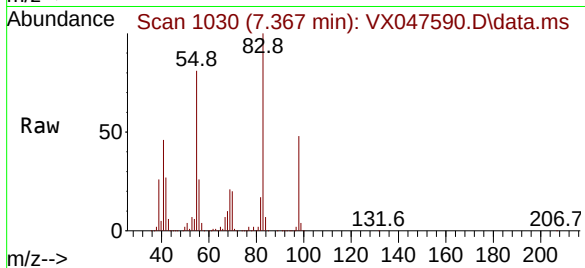
Tgt Ion: 83 Resp: 456694

Ion Ratio Lower Upper

83 100

55 80.7 66.4 99.6

98 48.3 38.1 57.1



#40

Benzene

Concen: 147.057 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX047590.D

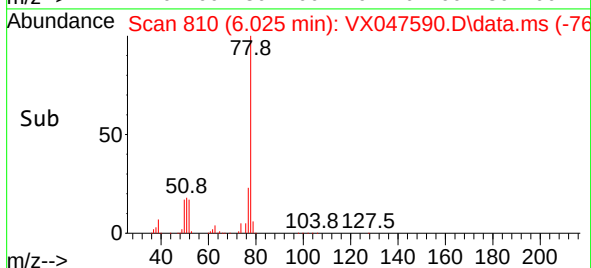
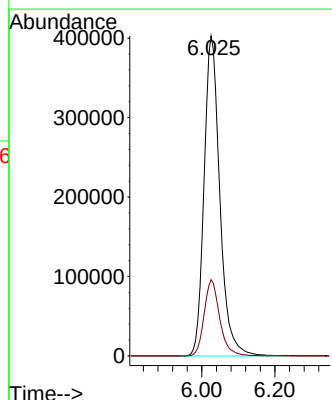
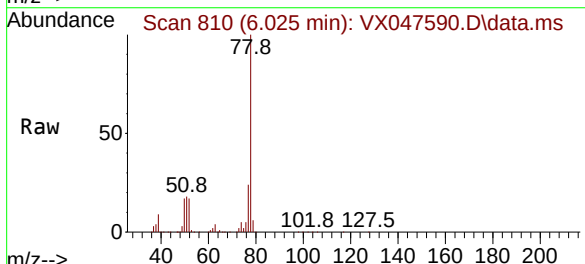
Acq: 16 Sep 2025 12:01

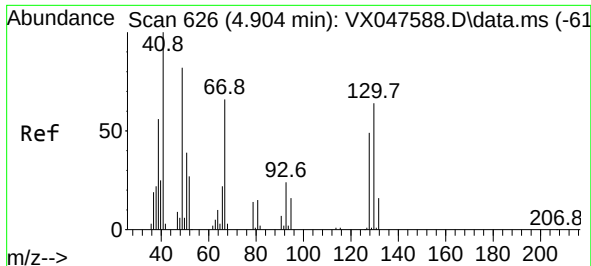
Tgt Ion: 78 Resp: 1202846

Ion Ratio Lower Upper

78 100

77 23.9 18.8 28.2

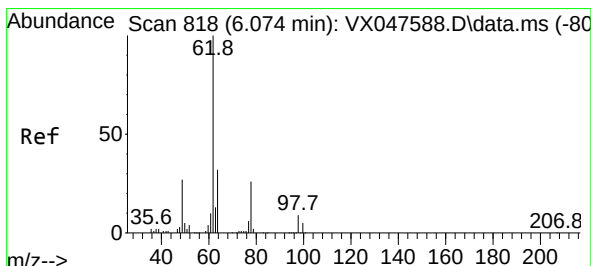
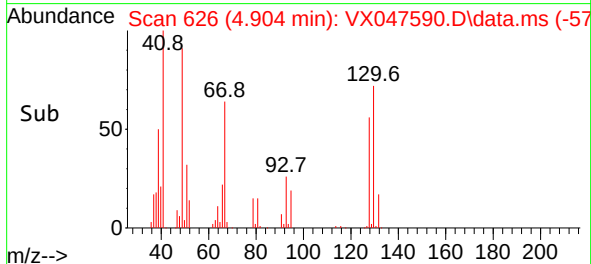
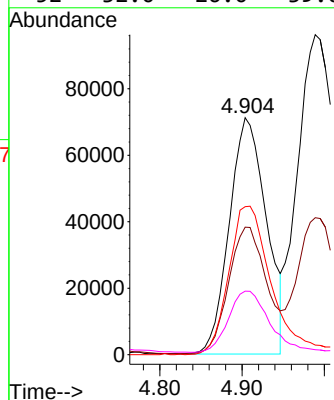
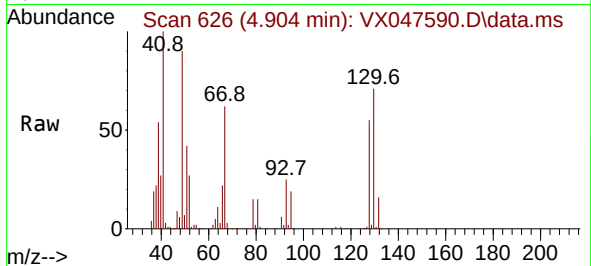




#41
Methacrylonitrile
Concen: 149.951 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

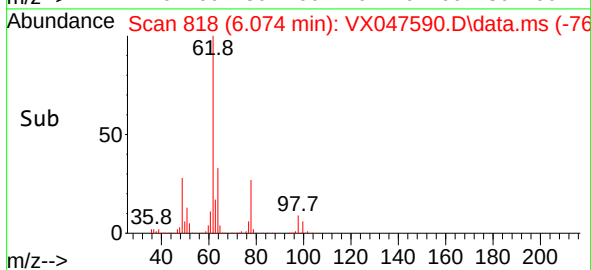
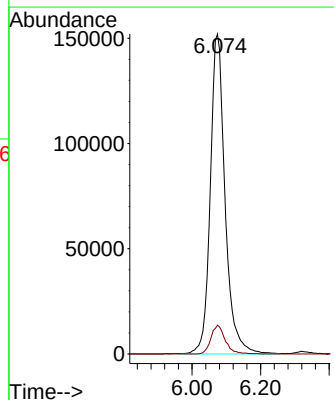
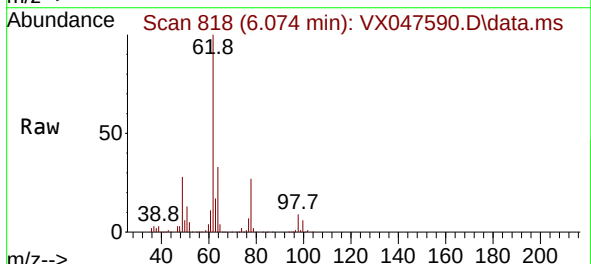
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

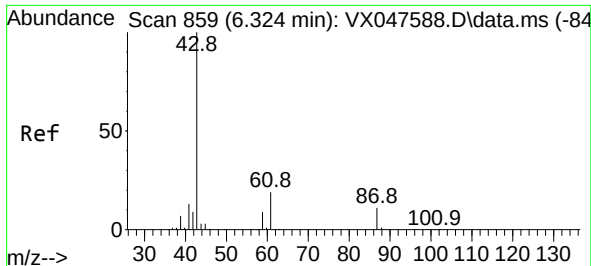
Tgt Ion: 41 Resp: 223218
Ion Ratio Lower Upper
41 100
39 54.5 43.3 64.9
67 74.6 58.6 87.8
52 32.0 26.0 39.0



#42
1,2-Dichloroethane
Concen: 146.515 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 455978
Ion Ratio Lower Upper
62 100
98 8.7 0.0 17.0

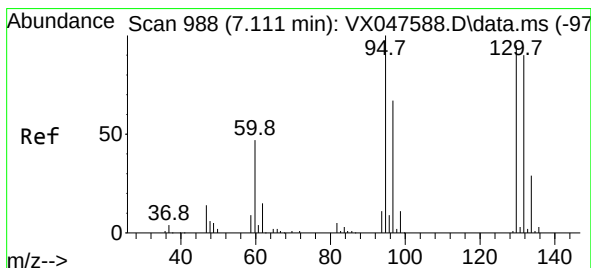
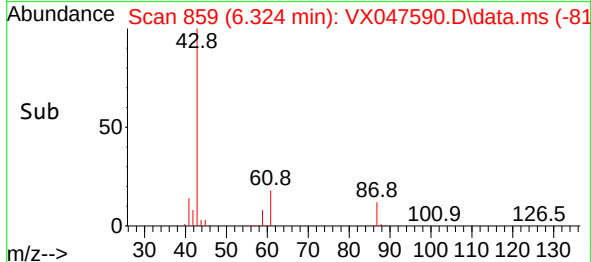
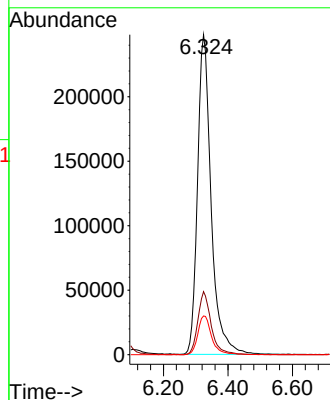
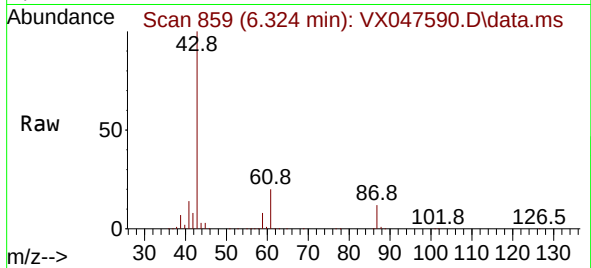




#43
Isopropyl Acetate
Concen: 153.283 ug/l
RT: 6.324 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

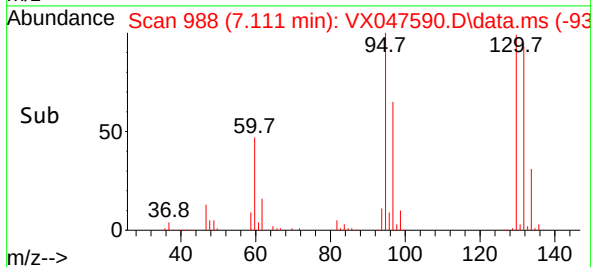
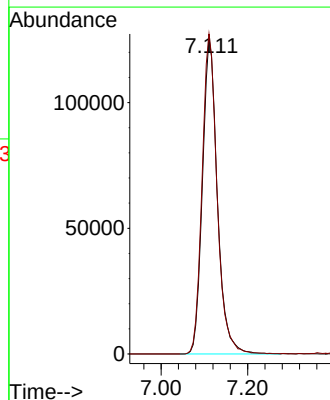
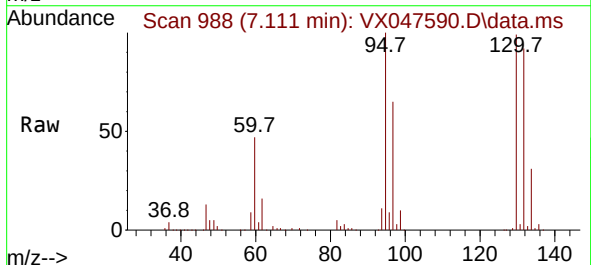
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

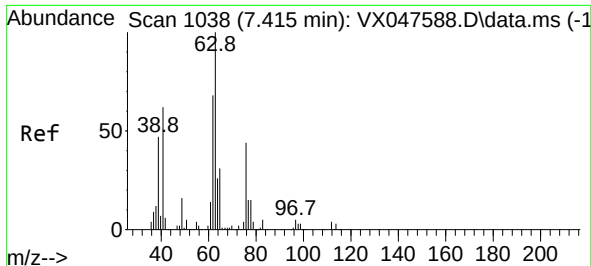
Tgt Ion: 43 Resp: 724888
Ion Ratio Lower Upper
43 100
61 19.4 15.2 22.8
87 12.3 9.6 14.4



#44
Trichloroethene
Concen: 151.542 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:130 Resp: 299673
Ion Ratio Lower Upper
130 100
95 101.1 0.0 210.8





#45

1,2-Dichloropropane

Concen: 151.219 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

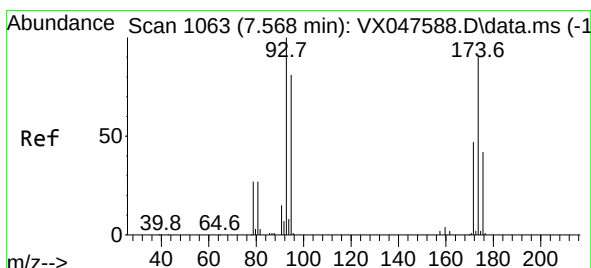
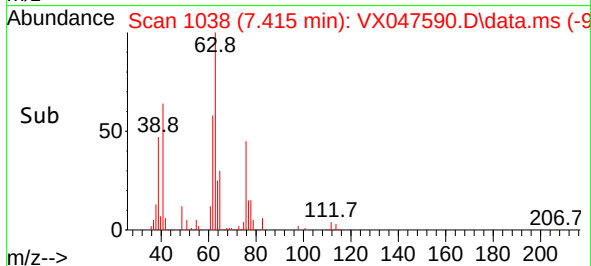
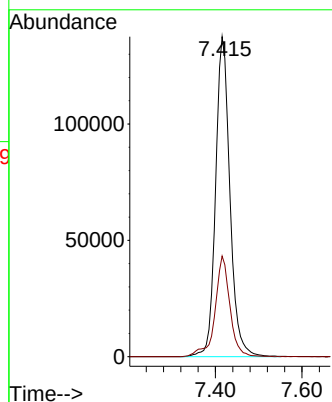
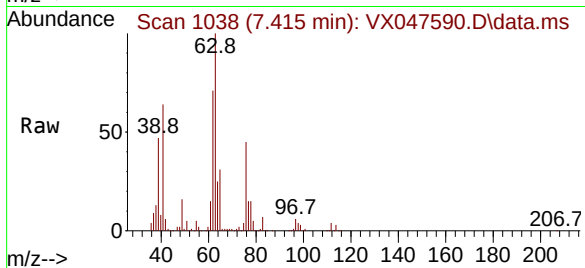
VSTDIC150

Tgt Ion: 63 Resp: 316720

Ion Ratio Lower Upper

63 100

65 31.5 24.7 37.1



#46

Dibromomethane

Concen: 149.954 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

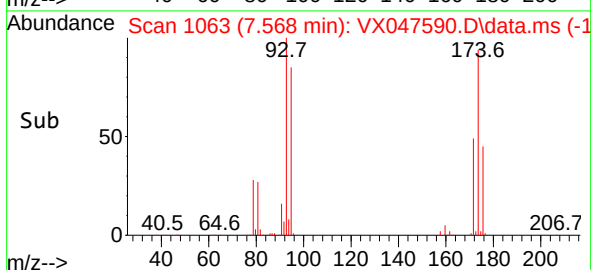
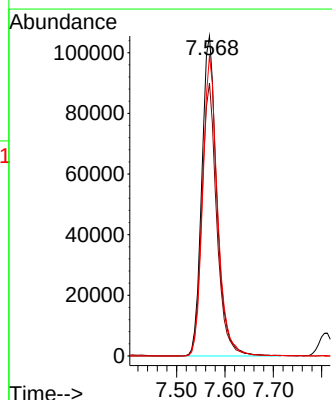
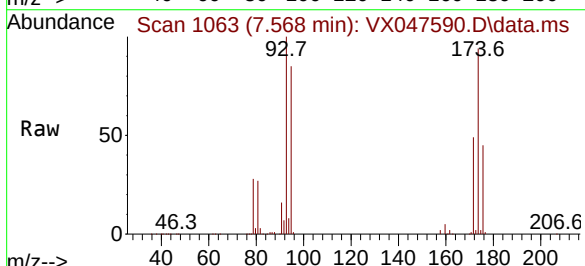
Tgt Ion: 93 Resp: 228550

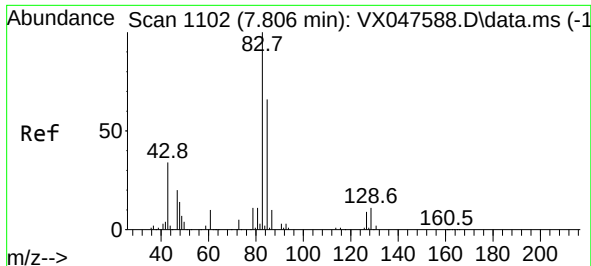
Ion Ratio Lower Upper

93 100

95 84.2 65.0 97.6

174 92.5 71.6 107.4

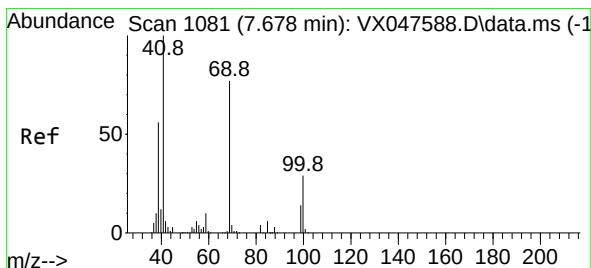
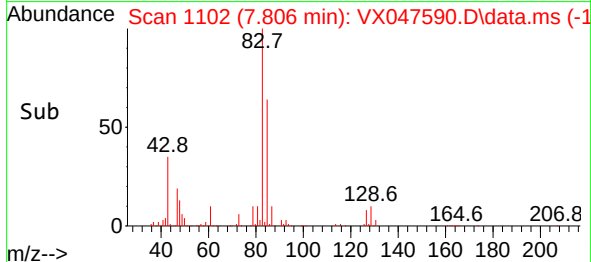
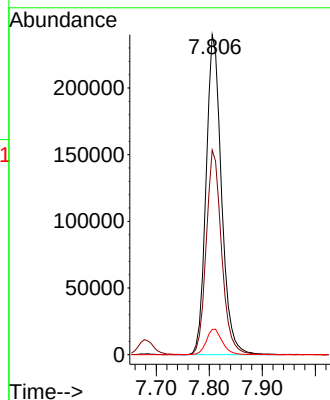
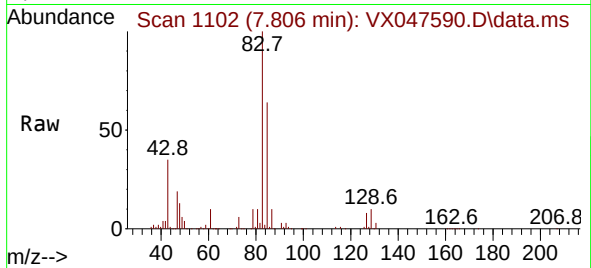




#47
Bromodichloromethane
Concen: 153.710 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

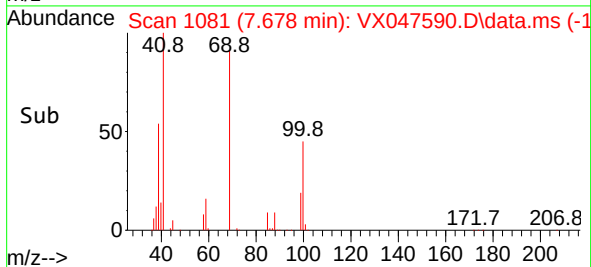
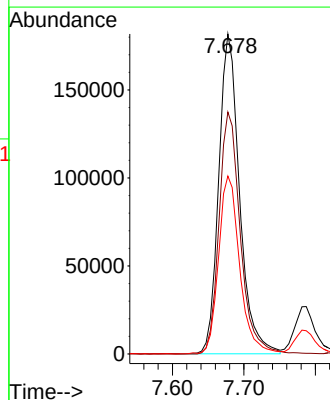
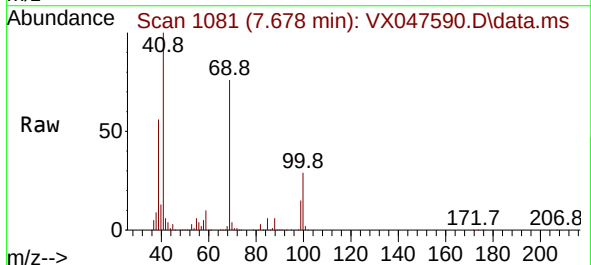
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

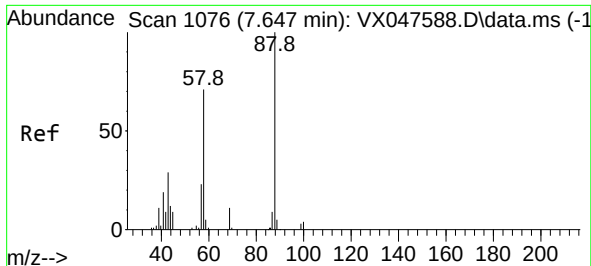
Tgt Ion: 83 Resp: 483438
Ion Ratio Lower Upper
83 100
85 63.9 52.5 78.7
127 7.9 6.9 10.3



#48
Methyl methacrylate
Concen: 156.194 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 367931
Ion Ratio Lower Upper
41 100
69 77.2 61.4 92.2
39 56.5 45.8 68.6





#49

1,4-Dioxane

Concen: 3475.565 ug/l

RT: 7.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

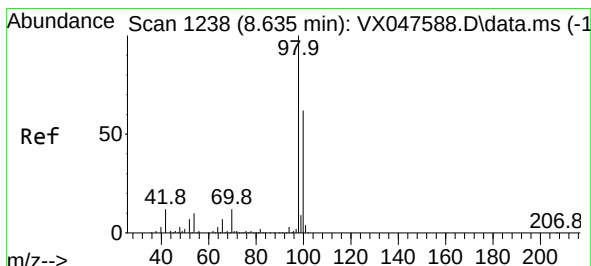
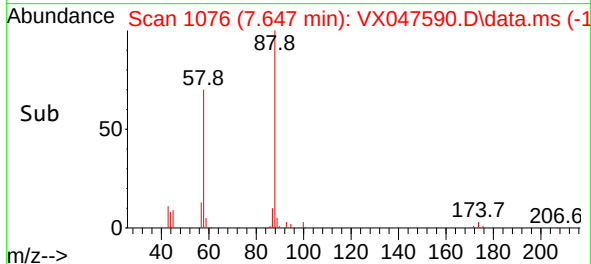
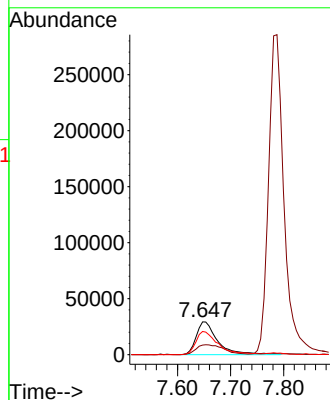
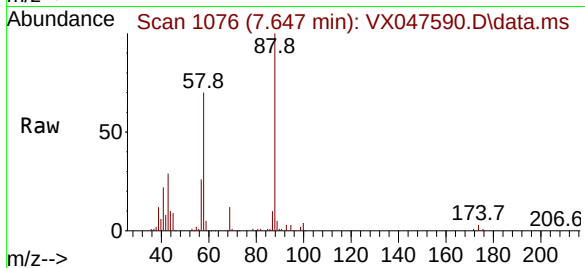
Tgt Ion: 88 Resp: 82739

Ion Ratio Lower Upper

88 100

43 38.5 30.2 45.2

58 73.0 59.5 89.3



#50

Toluene-d8

Concen: 163.253 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047590.D

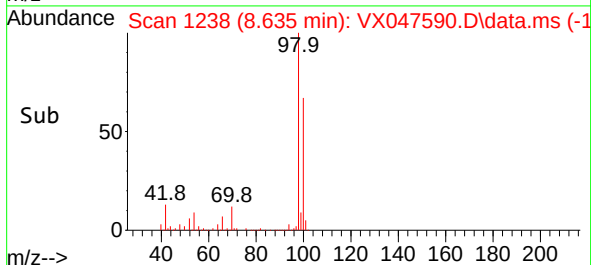
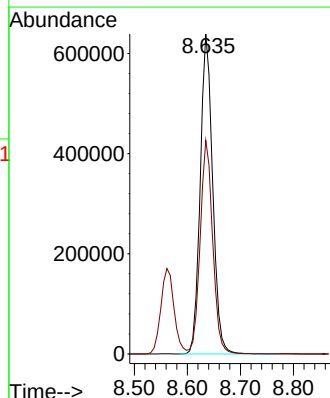
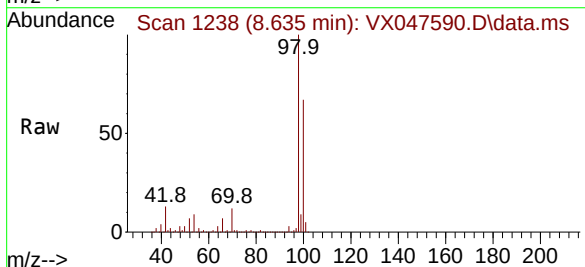
Acq: 16 Sep 2025 12:01

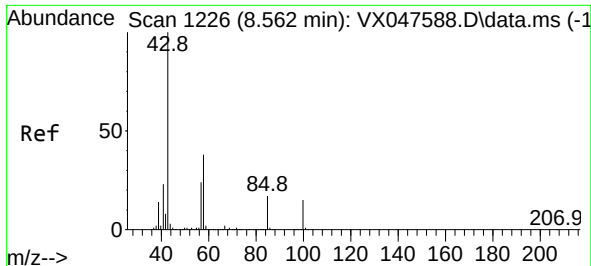
Tgt Ion: 98 Resp: 1041079

Ion Ratio Lower Upper

98 100

100 67.3 53.0 79.4

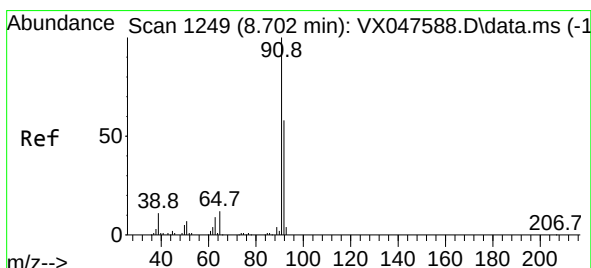
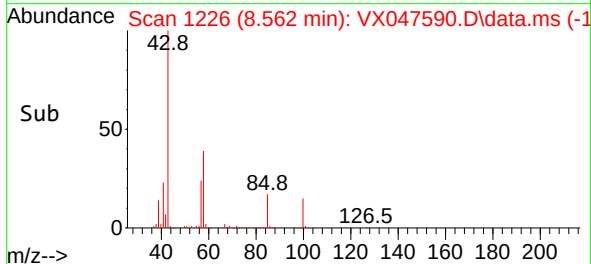
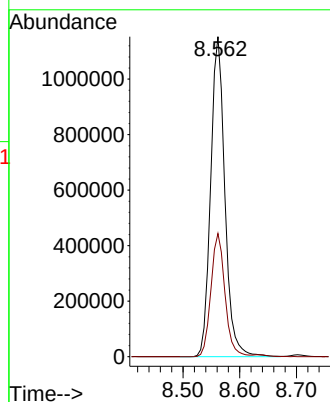
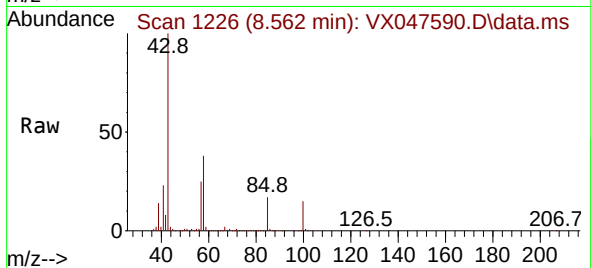




#51
4-Methyl-2-Pentanone
Concen: 765.849 ug/l
RT: 8.562 min Scan# 1226
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

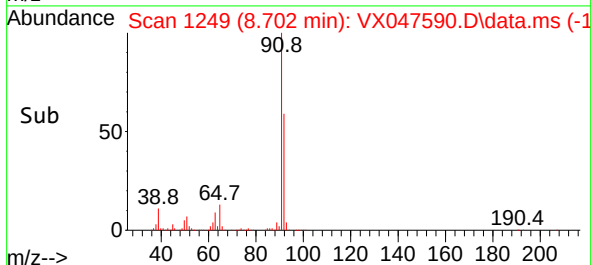
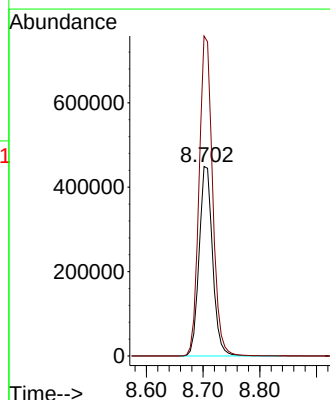
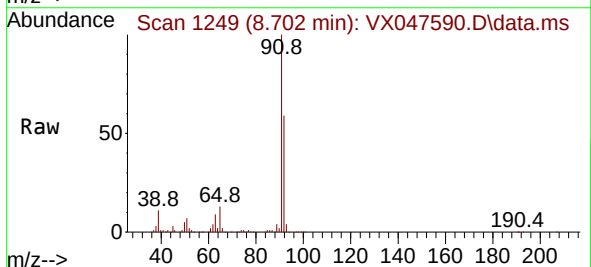
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

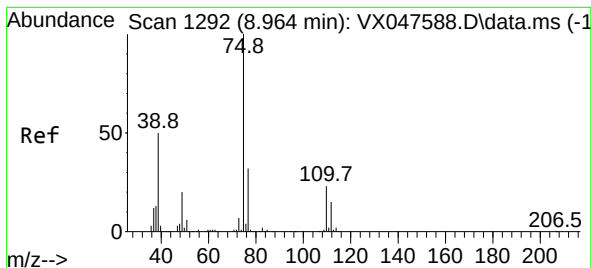
Tgt Ion: 43 Resp: 2008063
Ion Ratio Lower Upper
43 100
58 38.0 30.3 45.5



#52
Toluene
Concen: 146.712 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 92 Resp: 739332
Ion Ratio Lower Upper
92 100
91 169.5 137.1 205.7

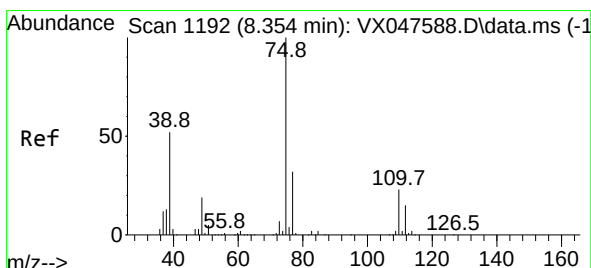
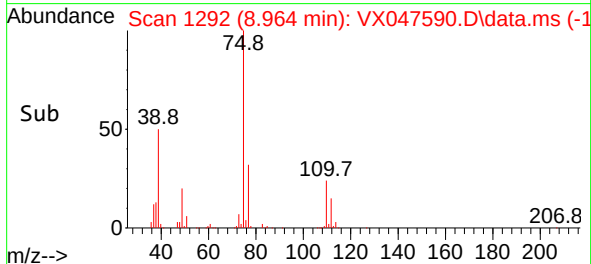
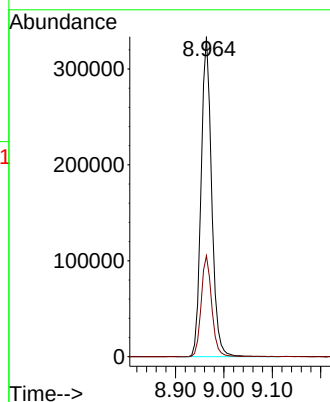
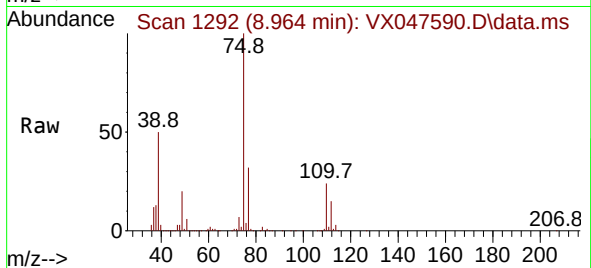




#53
t-1,3-Dichloropropene
Concen: 157.076 ug/l
RT: 8.964 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

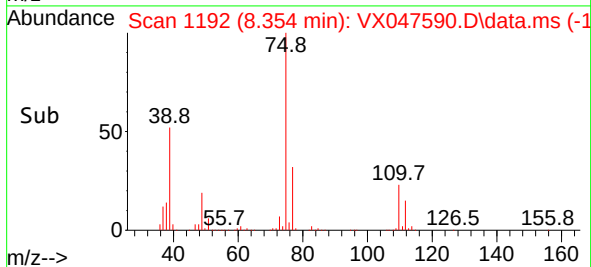
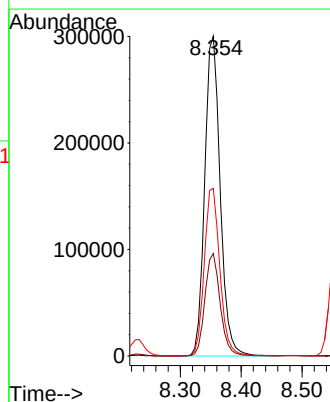
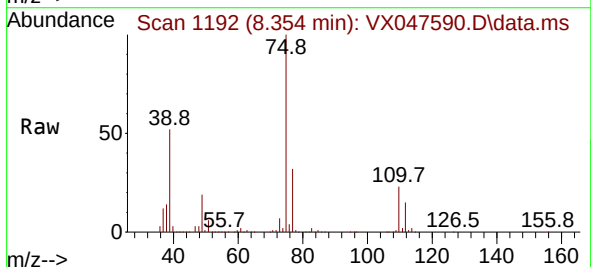
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

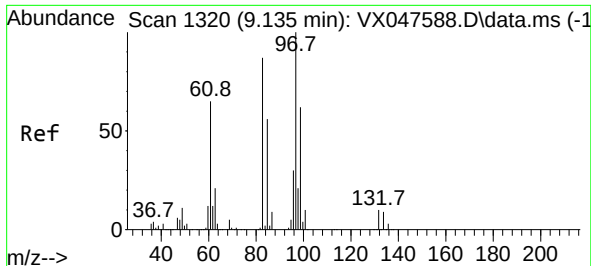
Tgt Ion: 75 Resp: 503912
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 154.732 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 530566
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.6
39 52.3 41.4 62.2

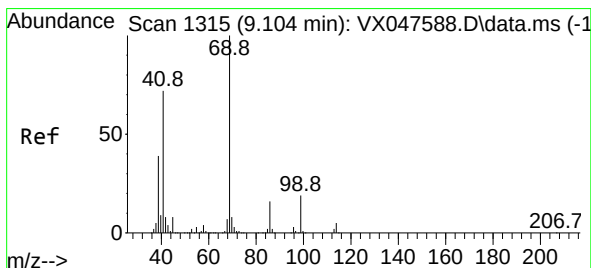
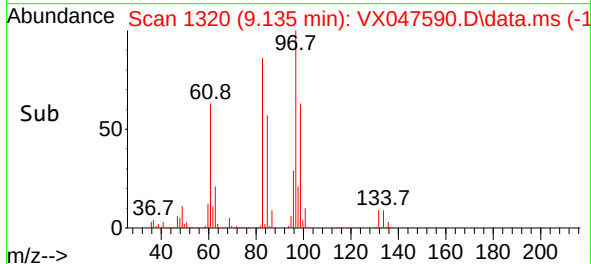
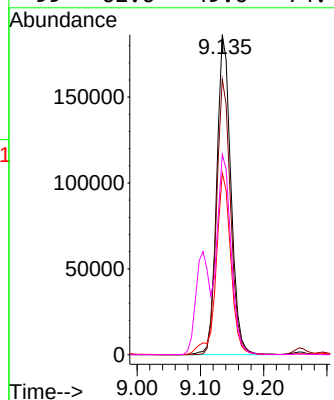
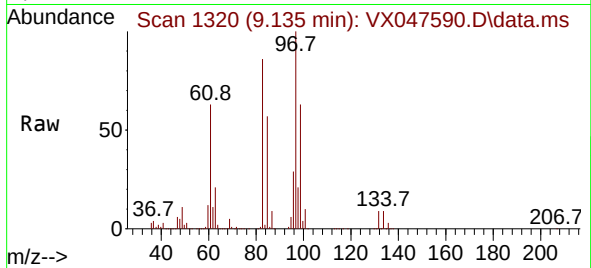




#55
 1,1,2-Trichloroethane
 Concen: 148.781 ug/l
 RT: 9.135 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047590.D
 Acq: 16 Sep 2025 12:01

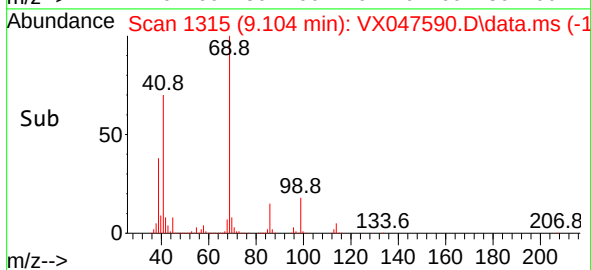
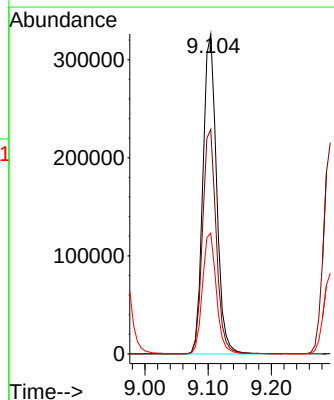
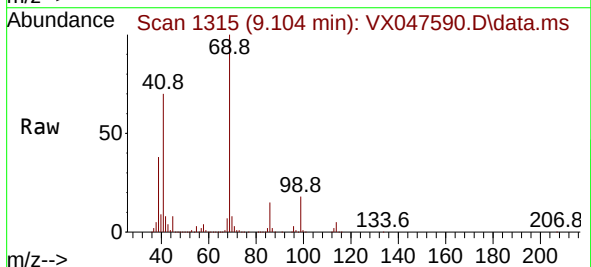
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

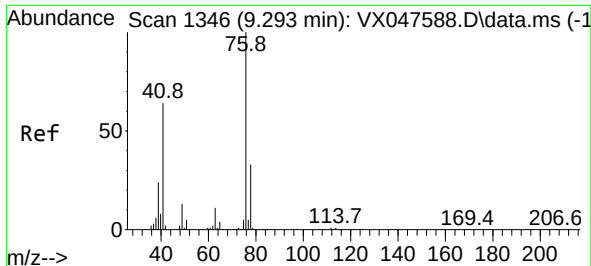
Tgt Ion:	97	Resp:	289103
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.6	104.4
85	56.8	45.0	67.6
99	62.6	49.6	74.4



#56
 Ethyl methacrylate
 Concen: 160.773 ug/l
 RT: 9.104 min Scan# 1315
 Delta R.T. -0.000 min
 Lab File: VX047590.D
 Acq: 16 Sep 2025 12:01

Tgt Ion:	69	Resp:	490623
Ion	Ratio	Lower	Upper
69	100		
41	70.5	58.6	87.8
39	38.2	31.5	47.3

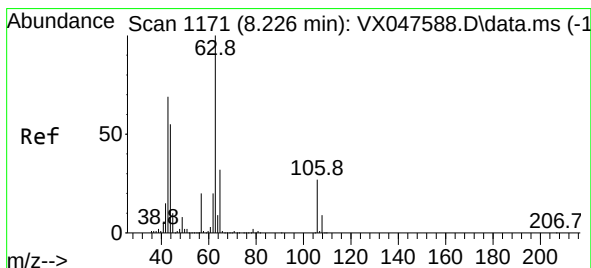
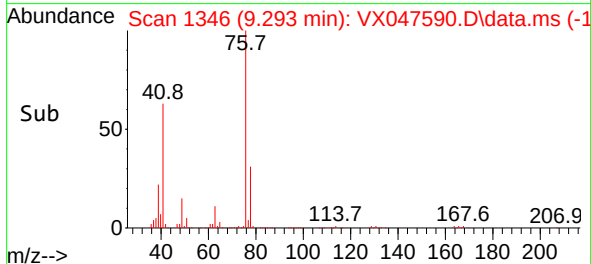
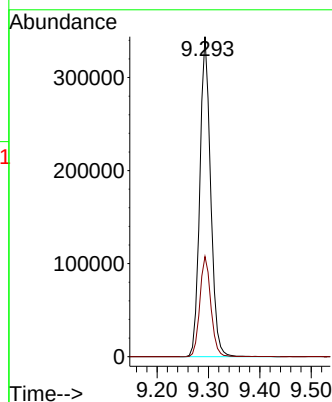
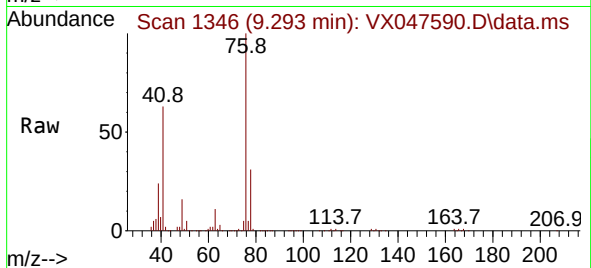




#57
1,3-Dichloropropane
Concen: 150.426 ug/l
RT: 9.293 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

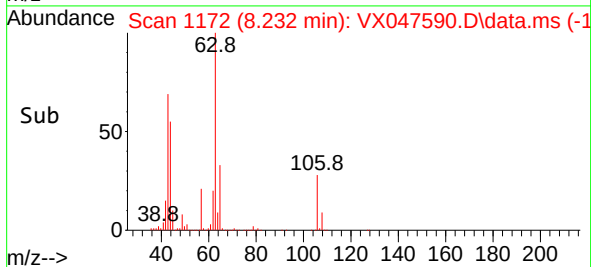
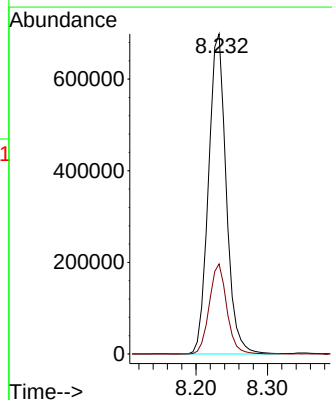
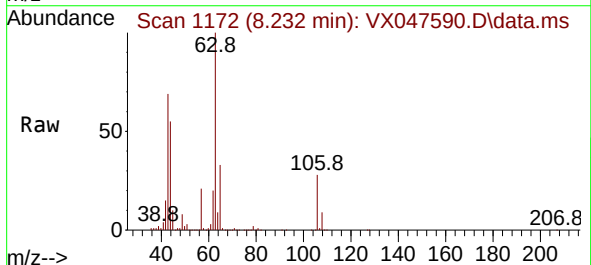
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

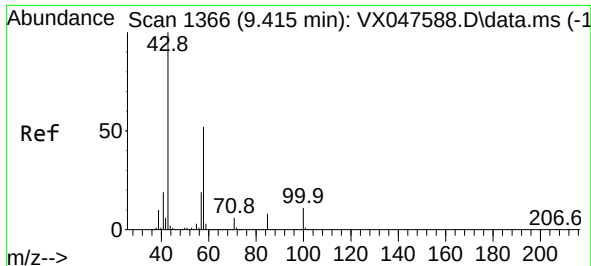
Tgt Ion: 76 Resp: 502121
Ion Ratio Lower Upper
76 100
78 31.9 26.2 39.4



#58
2-Chloroethyl Vinyl ether
Concen: 749.661 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 1202206
Ion Ratio Lower Upper
63 100
106 27.7 21.9 32.9

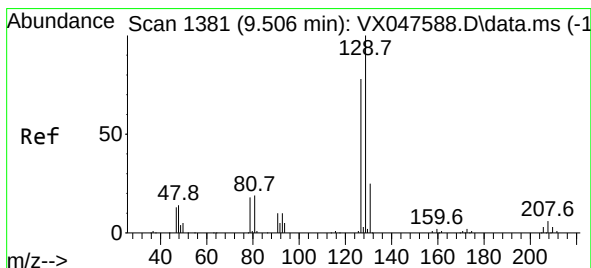
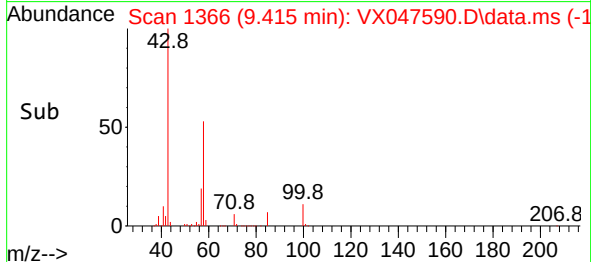
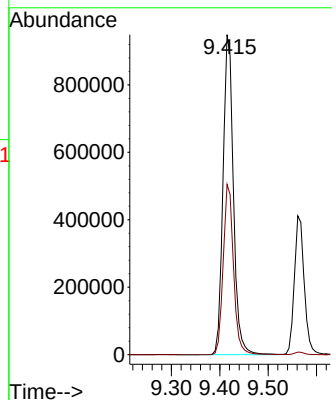
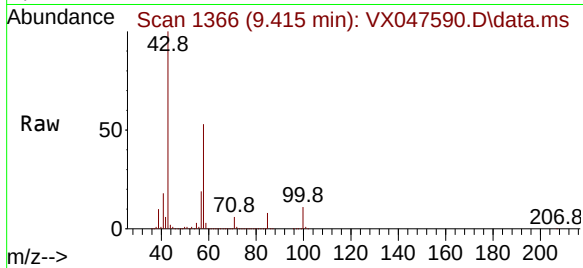




#59
2-Hexanone
Concen: 750.035 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

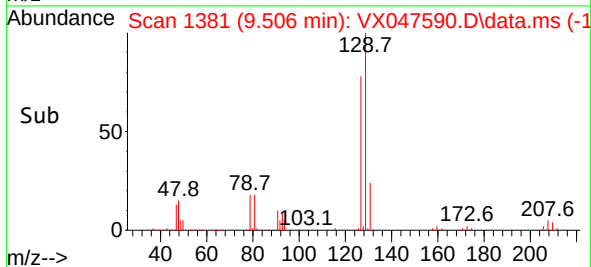
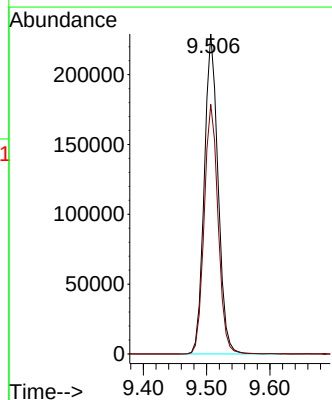
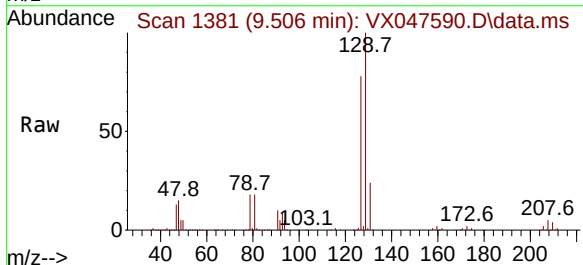
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

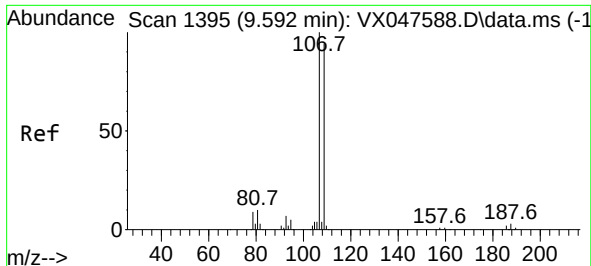
Tgt Ion: 43 Resp: 1412417
Ion Ratio Lower Upper
43 100
58 52.9 26.1 78.2



#60
Dibromochloromethane
Concen: 155.318 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 129 Resp: 347748
Ion Ratio Lower Upper
129 100
127 78.7 38.4 115.2

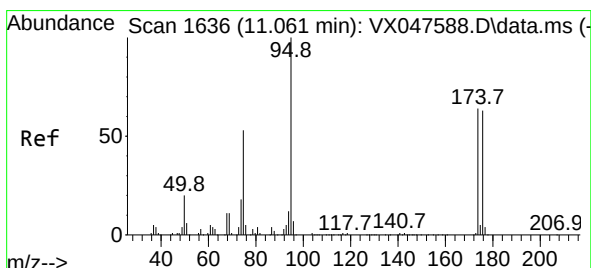
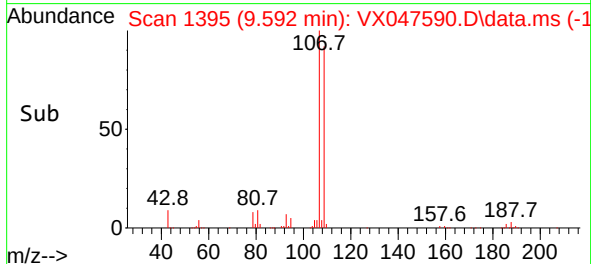
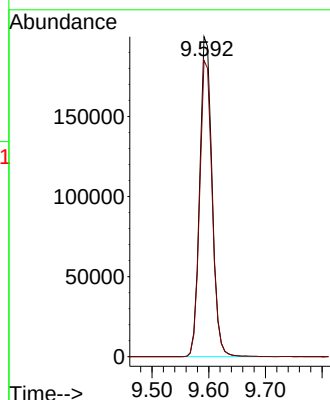
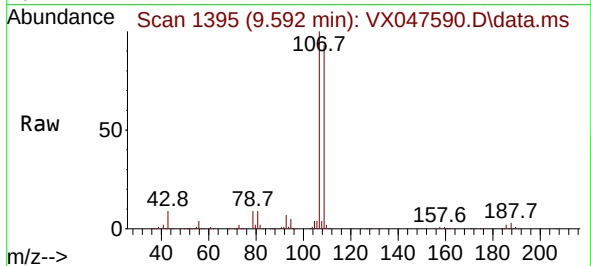




#61
1,2-Dibromoethane
Concen: 152.949 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

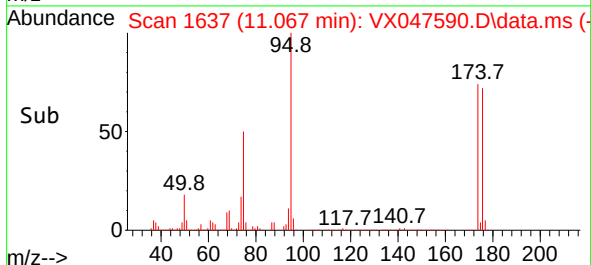
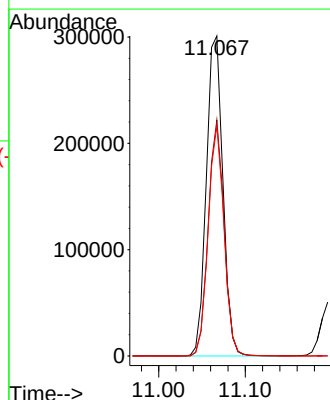
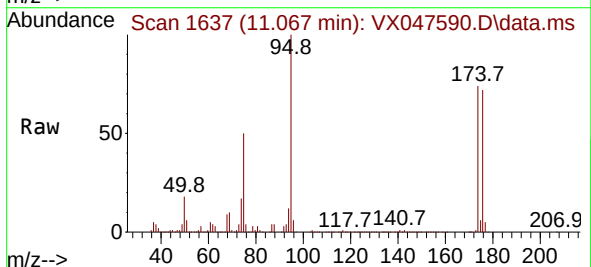
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

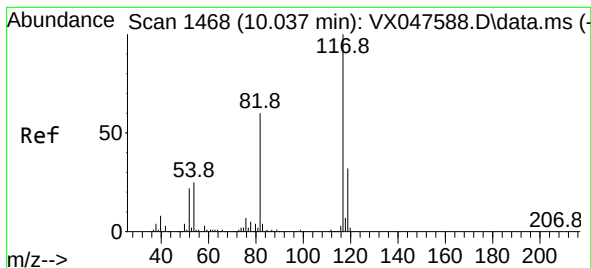
Tgt Ion:107 Resp: 302715
Ion Ratio Lower Upper
107 100
109 93.5 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 165.020 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 95 Resp: 399386
Ion Ratio Lower Upper
95 100
174 70.7 0.0 141.6
176 68.5 0.0 138.4

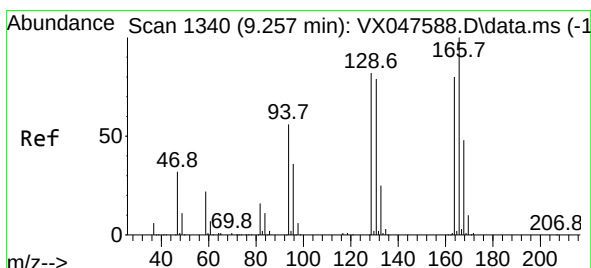
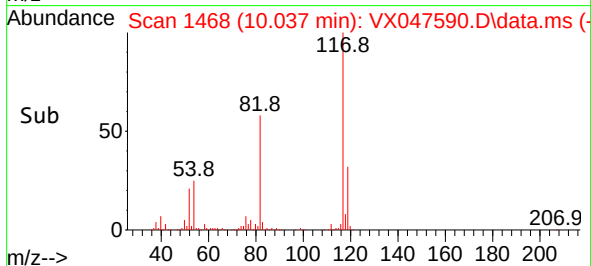
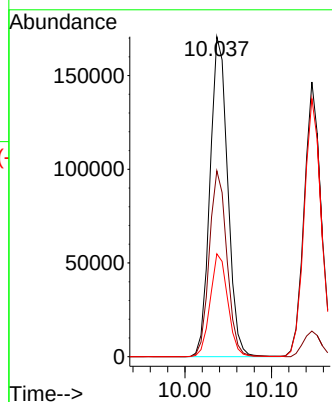
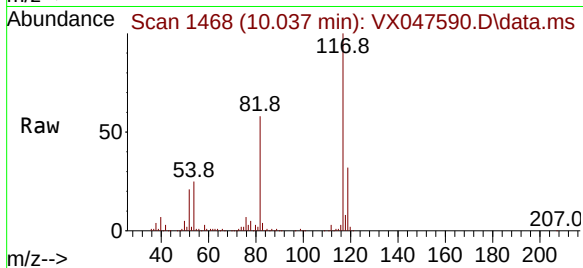




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

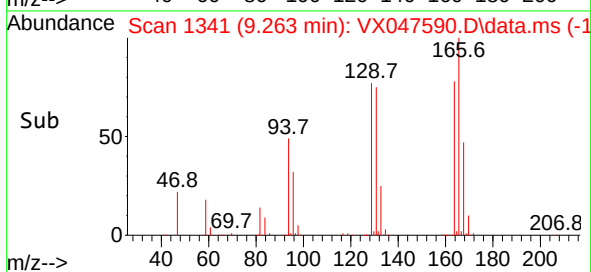
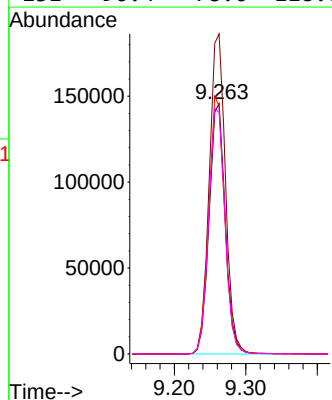
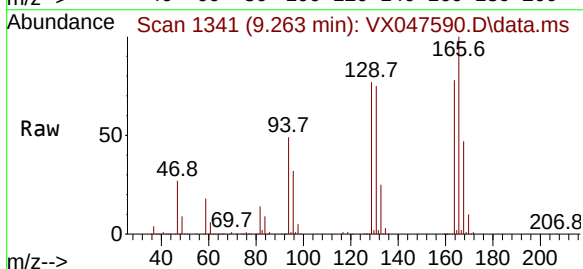
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

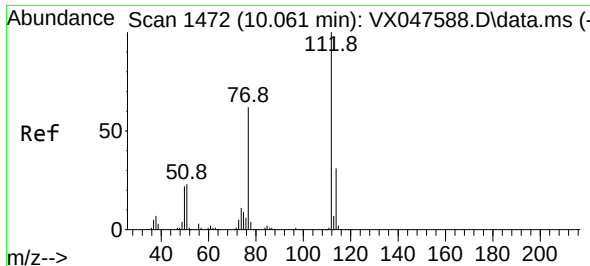
Tgt Ion:117 Resp: 241818
Ion Ratio Lower Upper
117 100
82 58.1 47.8 71.6
119 32.2 25.2 37.8



#64
Tetrachloroethene
Concen: 144.590 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:164 Resp: 227931
Ion Ratio Lower Upper
164 100
166 127.8 100.2 150.2
129 99.0 81.8 122.6
131 96.4 78.6 118.0

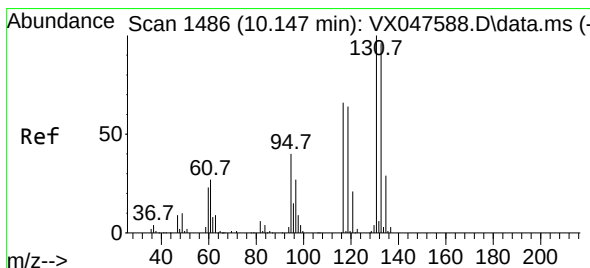
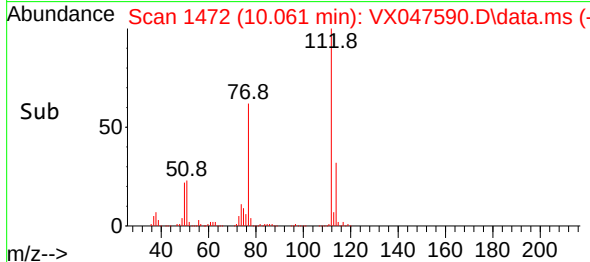
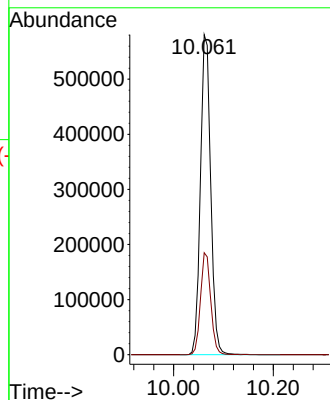
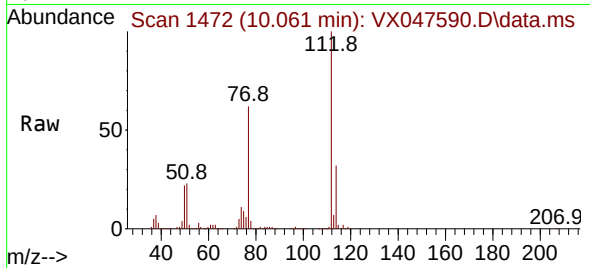




#65
Chlorobenzene
Concen: 150.763 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

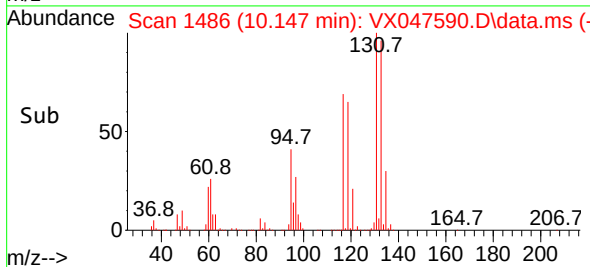
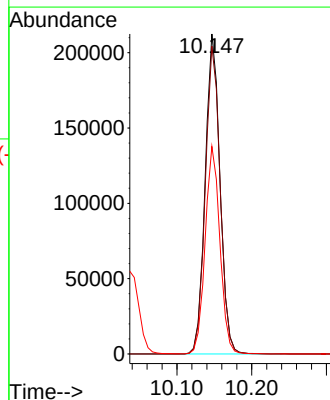
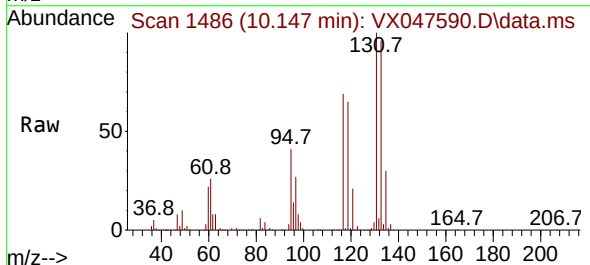
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

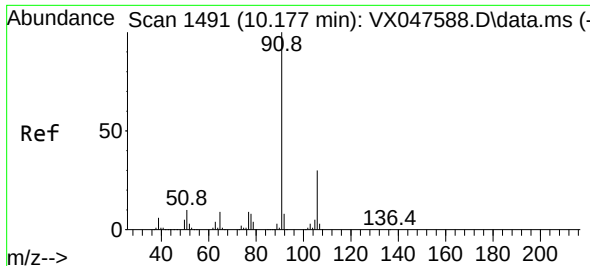
Tgt Ion:112 Resp: 828239
Ion Ratio Lower Upper
112 100
114 31.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 153.733 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:131 Resp: 291433
Ion Ratio Lower Upper
131 100
133 96.7 47.3 142.0
119 64.8 32.0 96.0





#67

Ethyl Benzene

Concen: 151.026 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

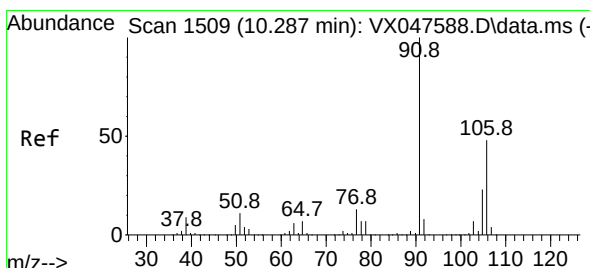
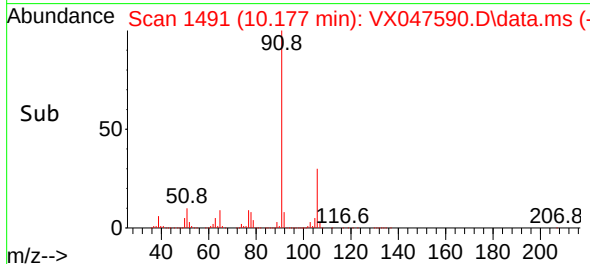
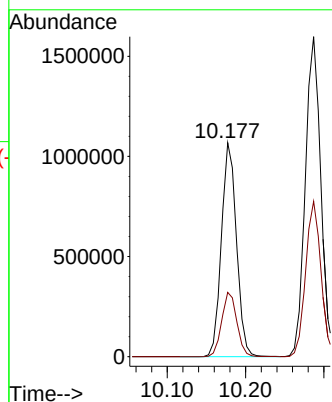
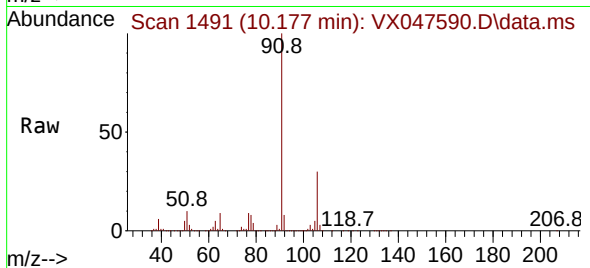
VSTDICC150

Tgt Ion: 91 Resp: 1431554

Ion Ratio Lower Upper

91 100

106 30.0 24.3 36.5



#68

m/p-Xylenes

Concen: 300.381 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX047590.D

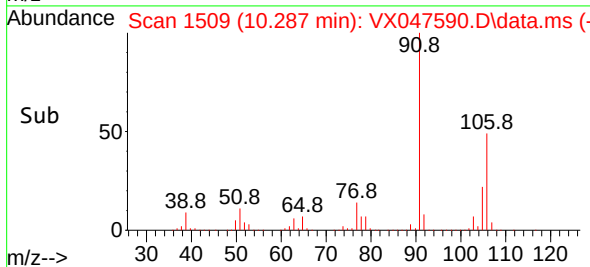
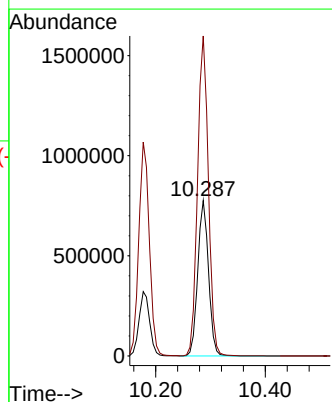
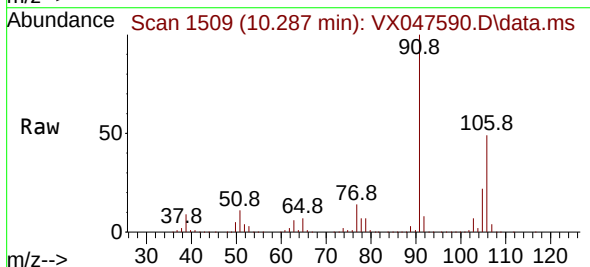
Acq: 16 Sep 2025 12:01

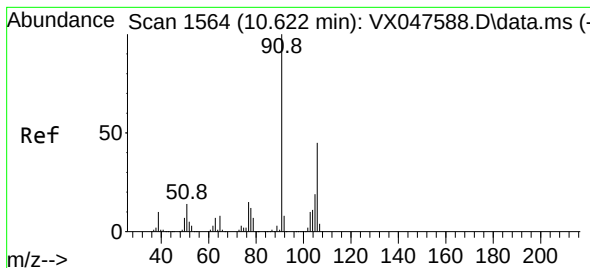
Tgt Ion:106 Resp: 1059776

Ion Ratio Lower Upper

106 100

91 208.0 167.8 251.8





#69

o-Xylene

Concen: 152.920 ug/l

RT: 10.628 min Scan# 1564

Delta R.T. 0.006 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

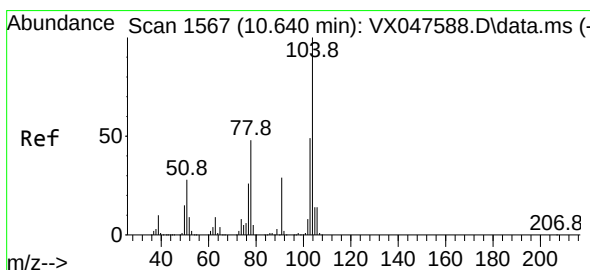
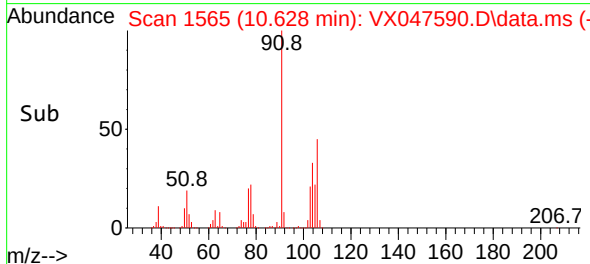
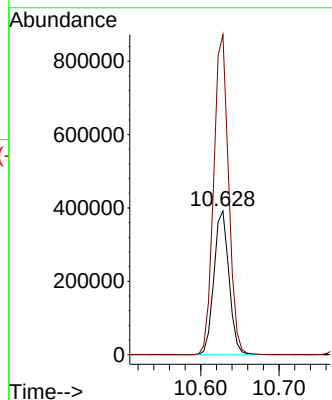
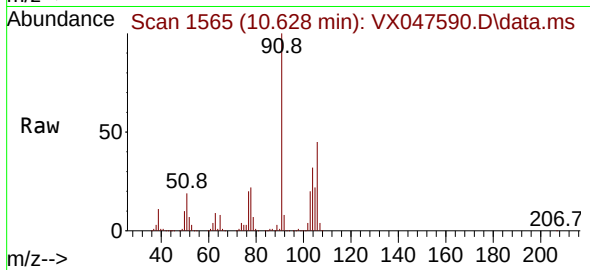
VSTDIC150

Tgt Ion:106 Resp: 521840

Ion Ratio Lower Upper

106 100

91 220.7 111.1 333.4



#70

Styrene

Concen: 153.449 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

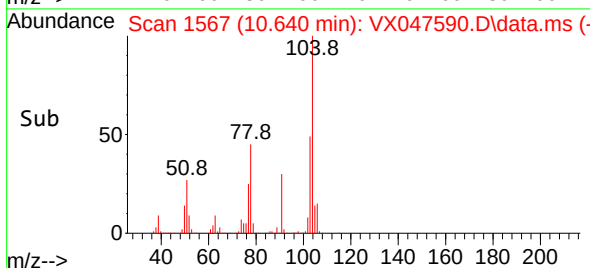
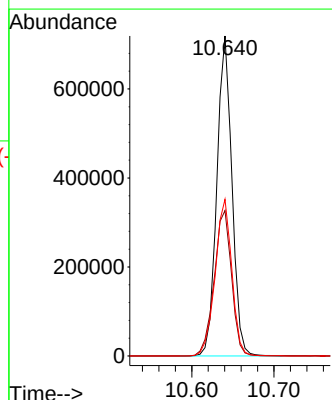
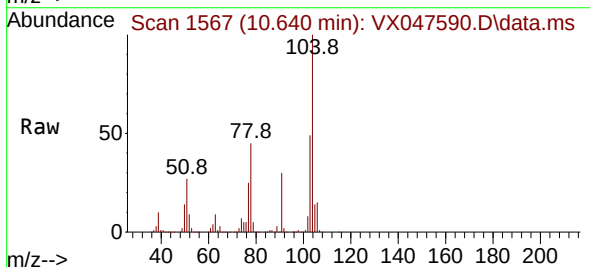
Tgt Ion:104 Resp: 917532

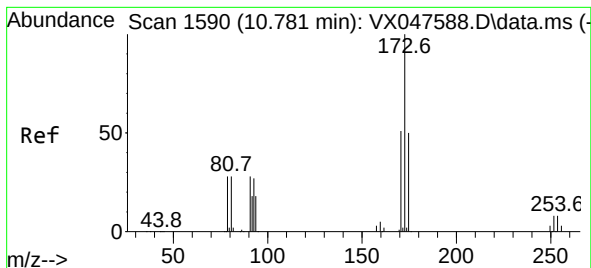
Ion Ratio Lower Upper

104 100

78 52.4 43.1 64.7

103 54.0 43.1 64.7





#71

Bromoform

Concen: 162.262 ug/l

RT: 10.781 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

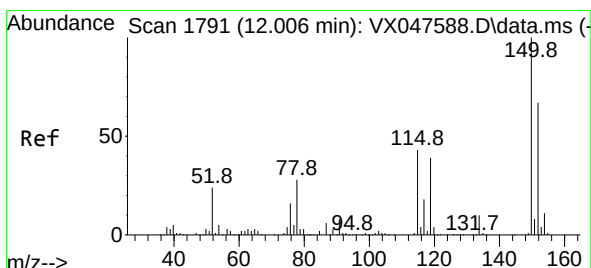
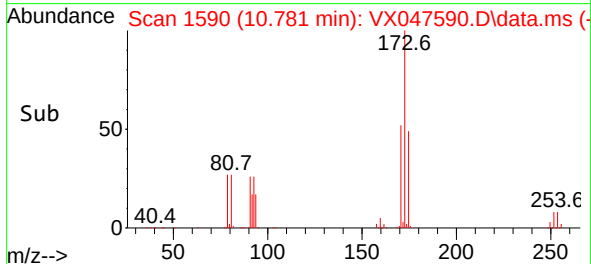
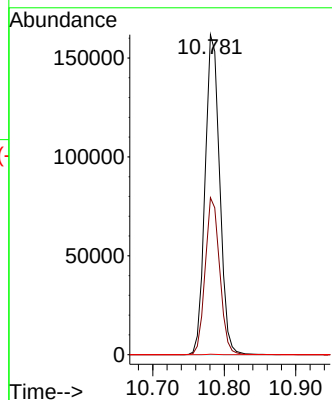
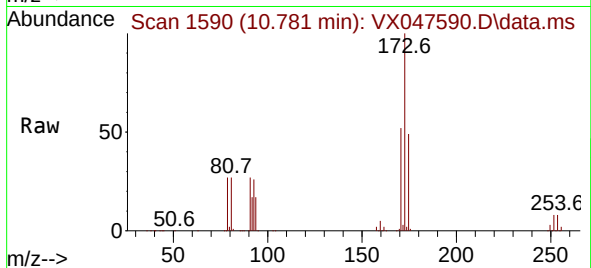
Tgt Ion:173 Resp: 229683

Ion Ratio Lower Upper

173 100

175 48.7 24.9 74.6

254 0.1 0.1 0.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

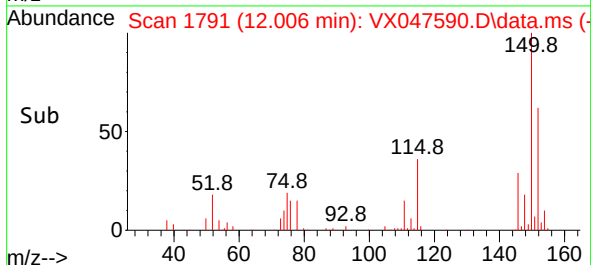
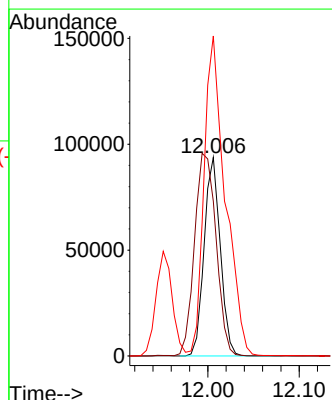
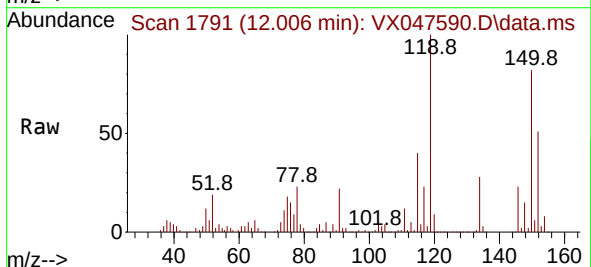
Tgt Ion:152 Resp: 114743

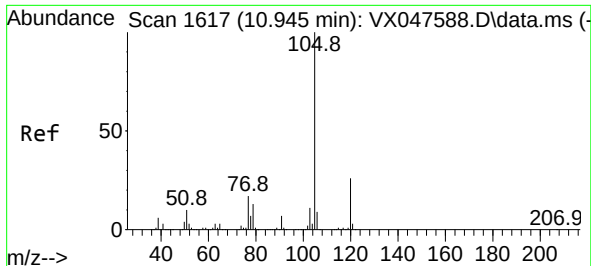
Ion Ratio Lower Upper

152 100

115 136.9 44.9 134.5#

150 212.9 0.0 352.0

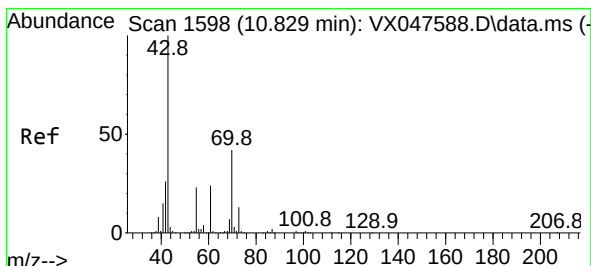
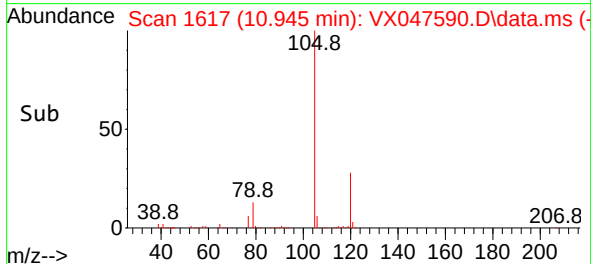
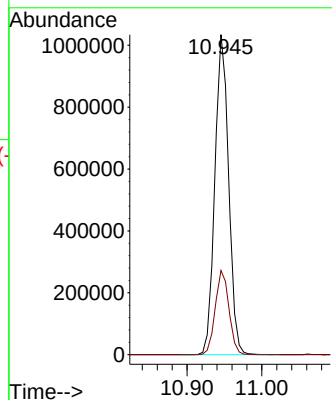
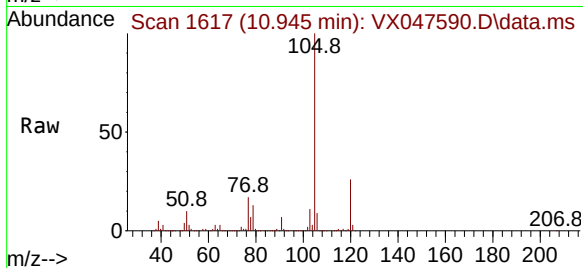




#73
Isopropylbenzene
Concen: 151.477 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

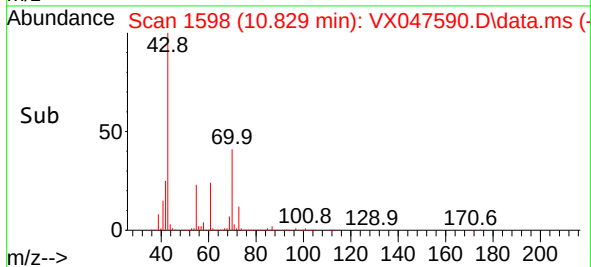
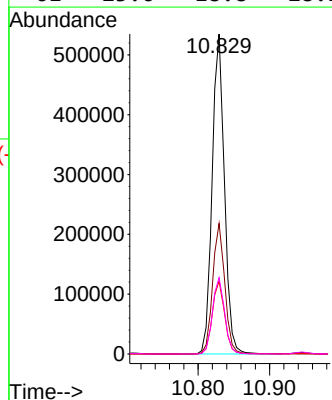
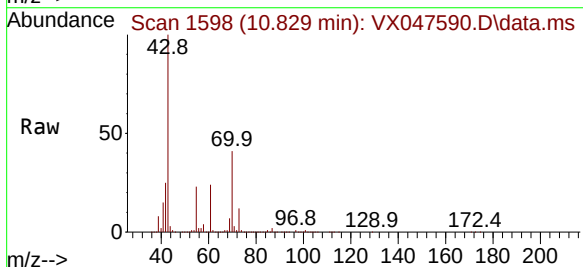
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

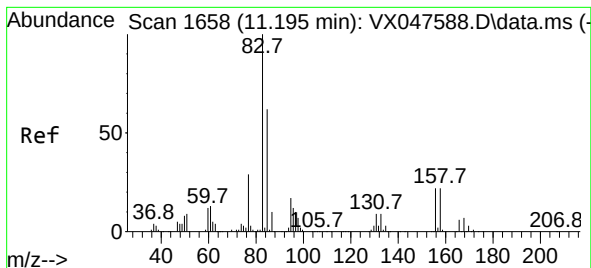
Tgt Ion:105 Resp: 1321409
Ion Ratio Lower Upper
105 100
120 26.2 12.8 38.4



#74
N-ethyl acetate
Concen: 160.099 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 636879
Ion Ratio Lower Upper
43 100
70 40.4 32.0 48.0
55 22.9 18.9 28.3
61 23.6 18.8 28.2

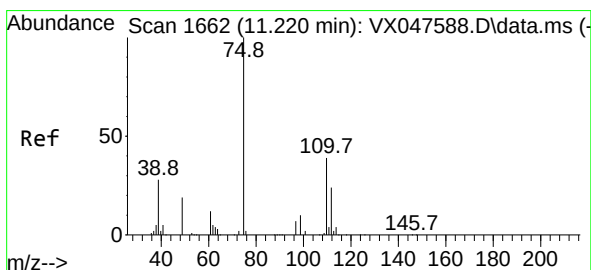
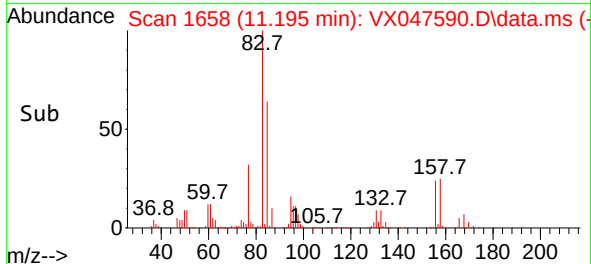
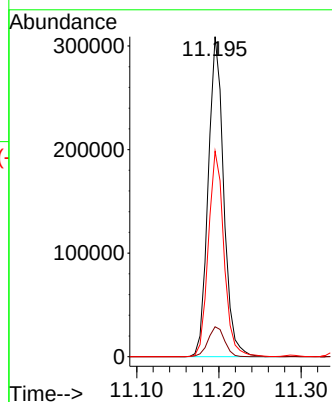
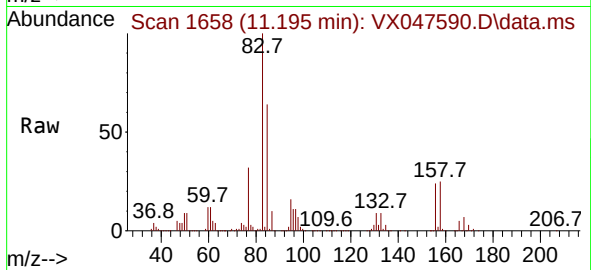




#75
 1,1,2,2-Tetrachloroethane
 Concen: 153.035 ug/l
 RT: 11.195 min Scan# 1658
 Delta R.T. -0.000 min
 Lab File: VX047590.D
 Acq: 16 Sep 2025 12:01

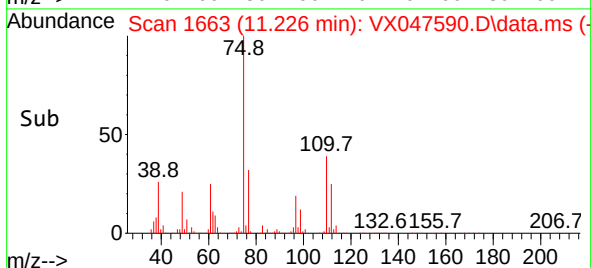
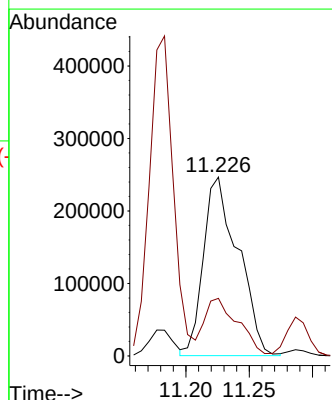
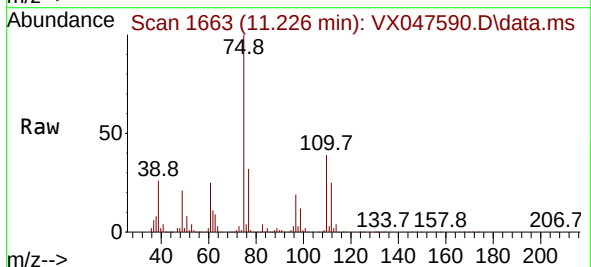
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

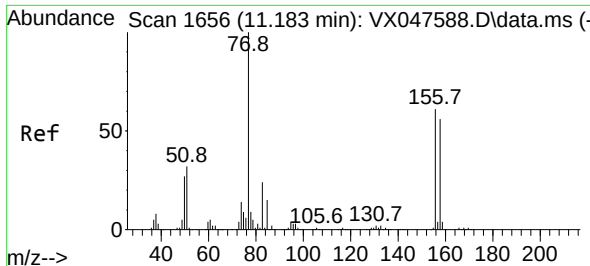
Tgt Ion: 83 Resp: 403906
 Ion Ratio Lower Upper
 83 100
 131 10.0 5.0 14.9
 85 64.6 31.6 95.0



#76
 1,2,3-Trichloropropane
 Concen: 202.576 ug/l
 RT: 11.226 min Scan# 1663
 Delta R.T. 0.006 min
 Lab File: VX047590.D
 Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 470623
 Ion Ratio Lower Upper
 75 100
 77 30.8 18.8 56.4

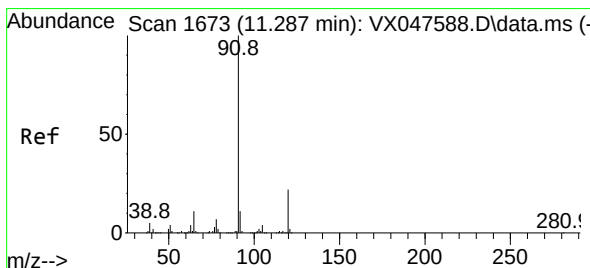
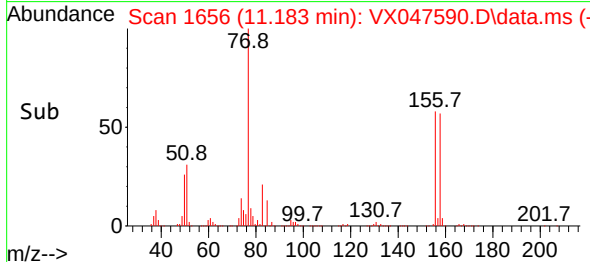
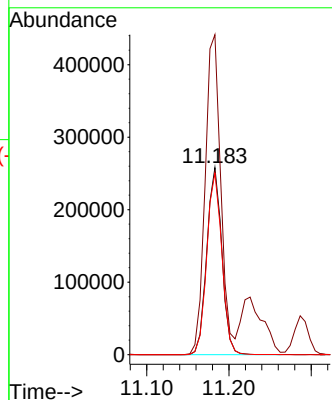
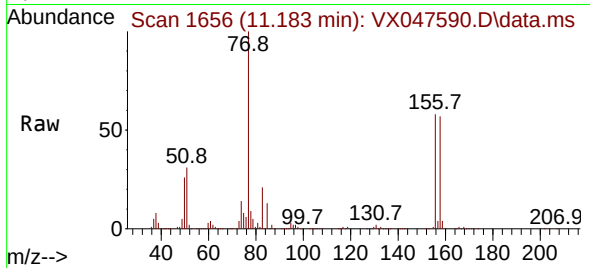




#77
Bromobenzene
Concen: 152.818 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

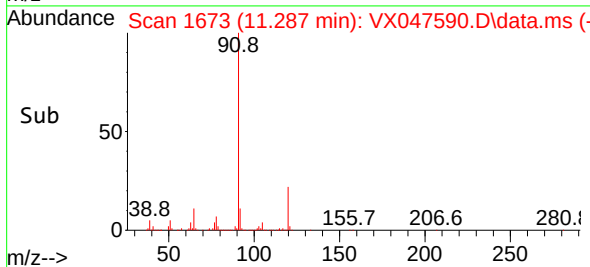
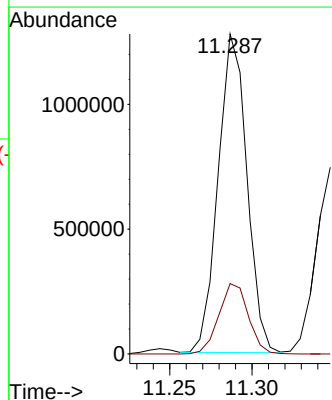
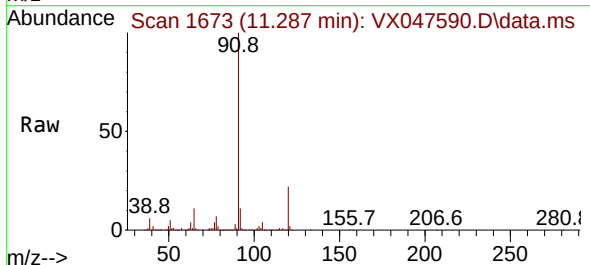
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

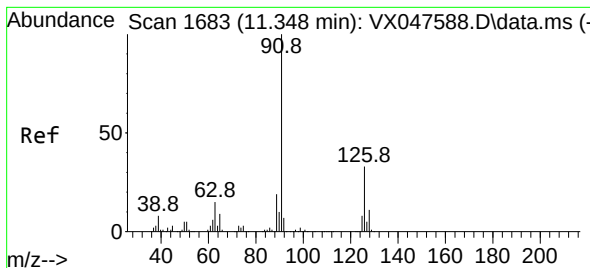
Tgt Ion:156 Resp: 328336
Ion Ratio Lower Upper
156 100
77 178.2 89.7 269.1
158 97.5 47.9 143.6



#78
n-propylbenzene
Concen: 150.337 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1550316
Ion Ratio Lower Upper
91 100
120 22.7 11.1 33.1

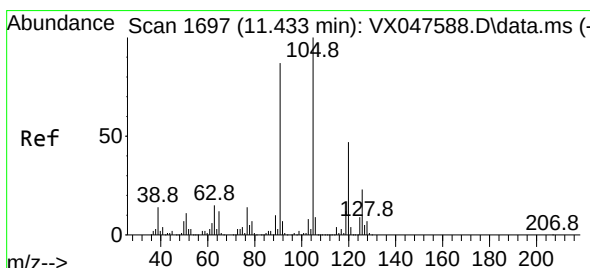
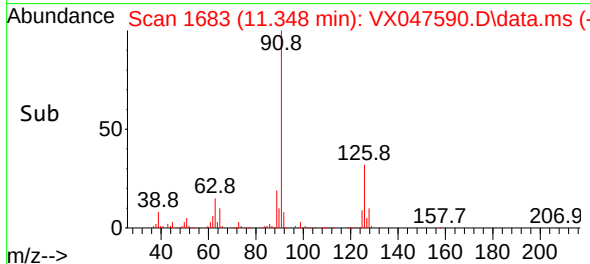
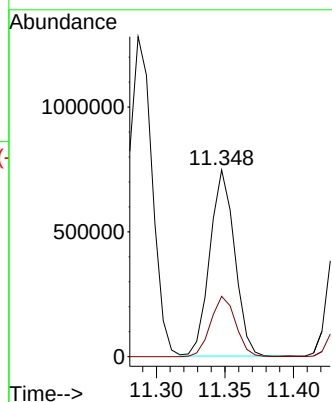
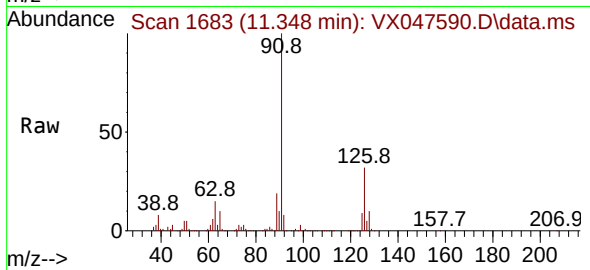




#79
2-Chlorotoluene
Concen: 148.781 ug/l
RT: 11.348 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

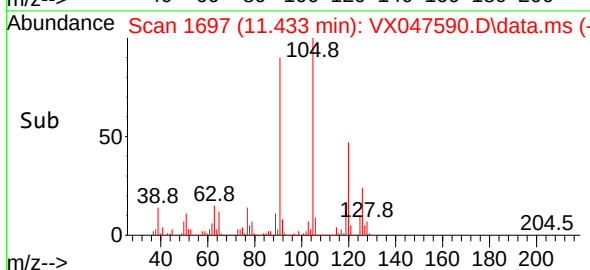
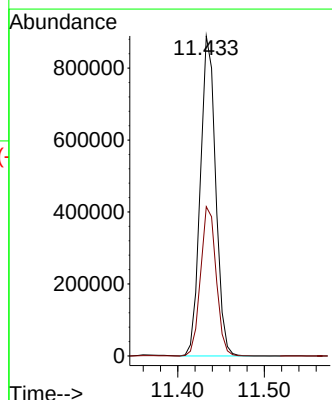
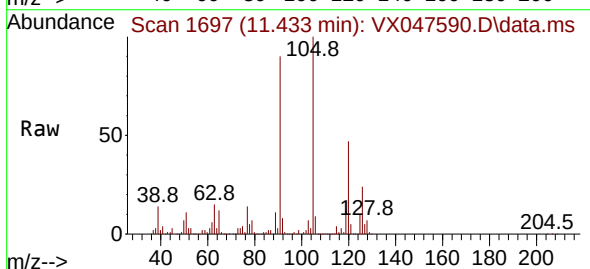
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

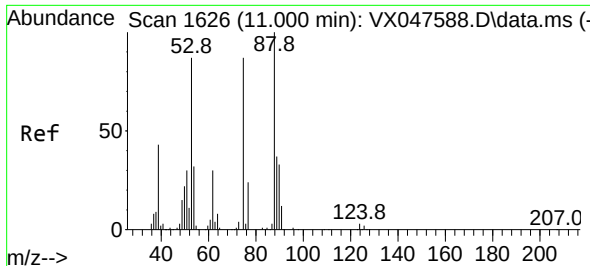
Tgt Ion: 91 Resp: 939707
Ion Ratio Lower Upper
91 100
126 32.7 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 152.306 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 105 Resp: 1091593
Ion Ratio Lower Upper
105 100
120 47.4 23.6 70.8

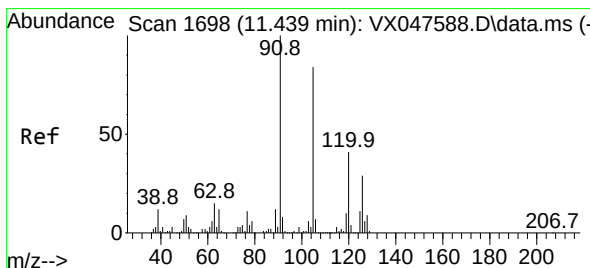
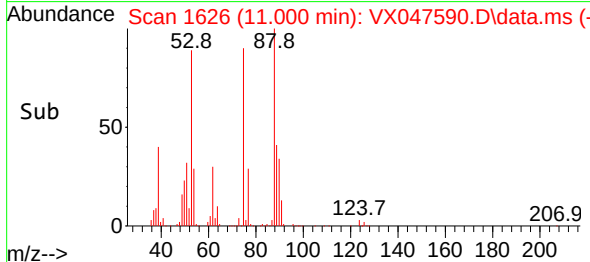
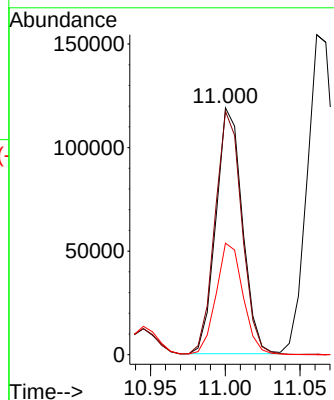
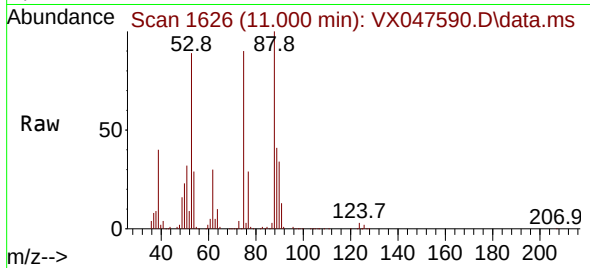




#81
trans-1,4-Dichloro-2-butene
Concen: 160.176 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

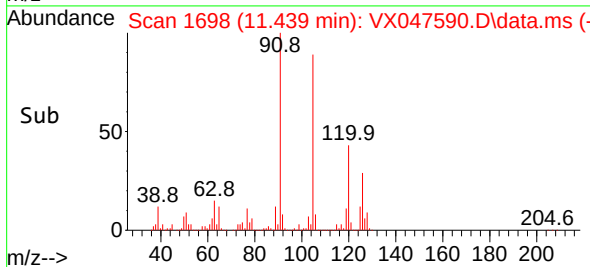
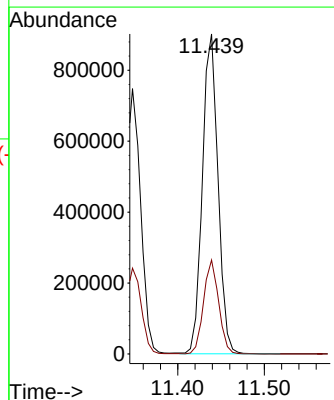
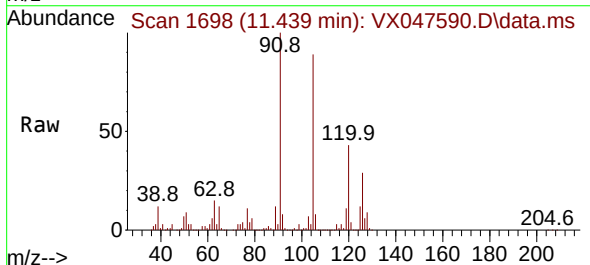
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

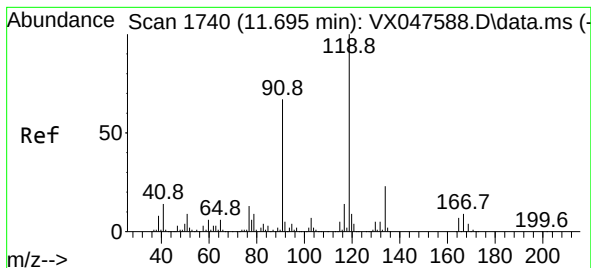
Tgt Ion: 75 Resp: 145921
Ion Ratio Lower Upper
75 100
53 100.8 83.4 125.2
89 46.3 36.3 54.5



#82
4-Chlorotoluene
Concen: 151.112 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1127233
Ion Ratio Lower Upper
91 100
126 28.5 14.2 42.6





#83

tert-Butylbenzene

Concen: 150.819 ug/l

RT: 11.701 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

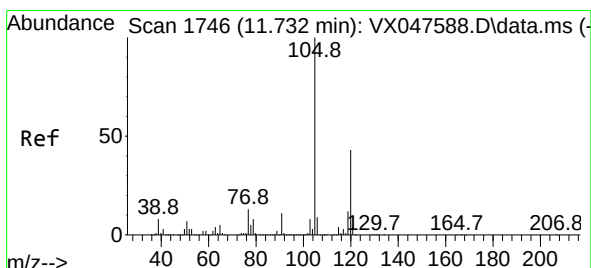
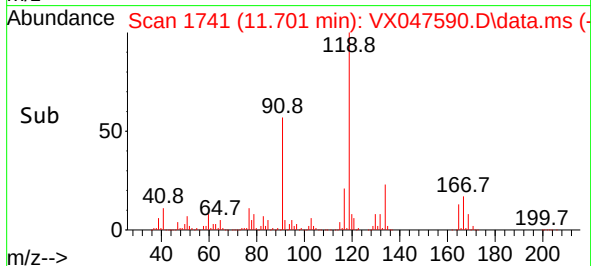
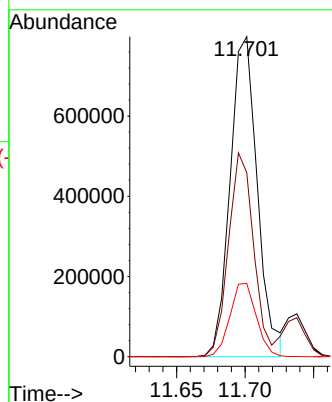
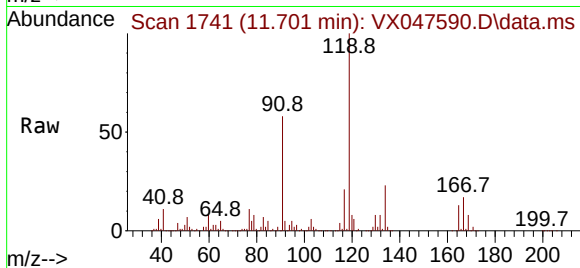
Tgt Ion:119 Resp: 1106532

Ion Ratio Lower Upper

119 100

91 58.7 29.6 88.8

134 22.3 11.0 33.0



#84

1,2,4-Trimethylbenzene

Concen: 152.336 ug/l

RT: 11.738 min Scan# 1747

Delta R.T. 0.006 min

Lab File: VX047590.D

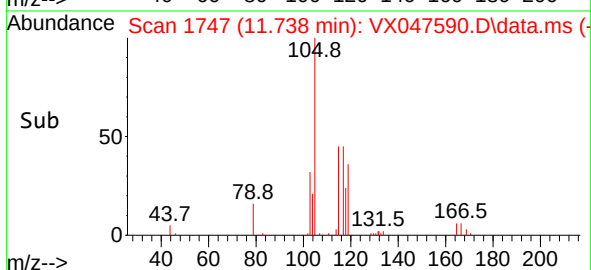
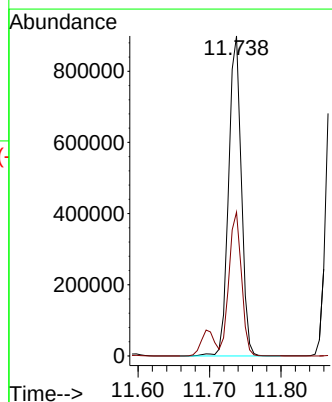
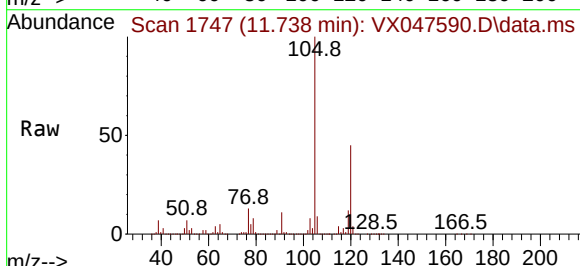
Acq: 16 Sep 2025 12:01

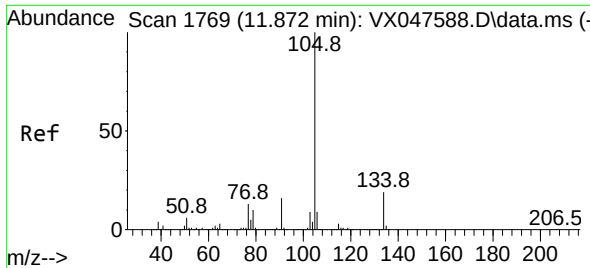
Tgt Ion:105 Resp: 1106914

Ion Ratio Lower Upper

105 100

120 44.4 22.1 66.1

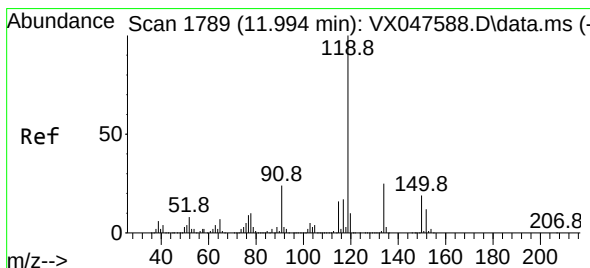
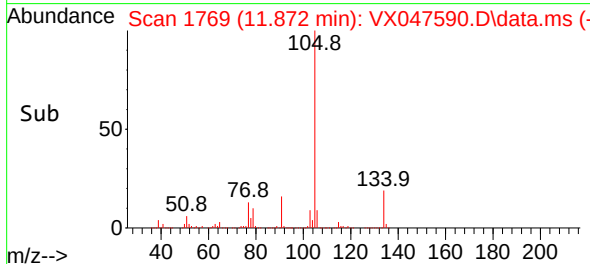
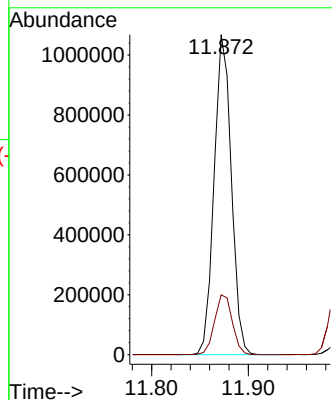
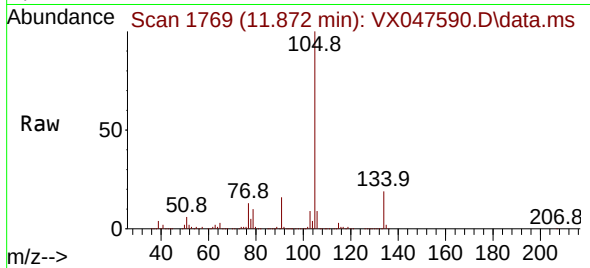




#85
 sec-Butylbenzene
 Concen: 151.448 ug/l
 RT: 11.872 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: VX047590.D
 Acq: 16 Sep 2025 12:01

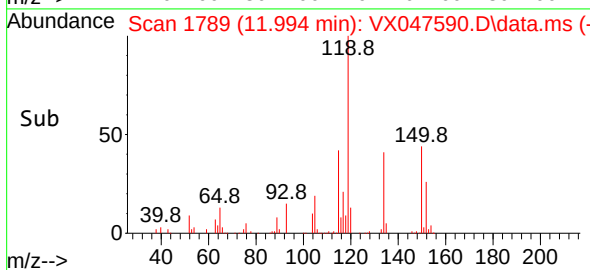
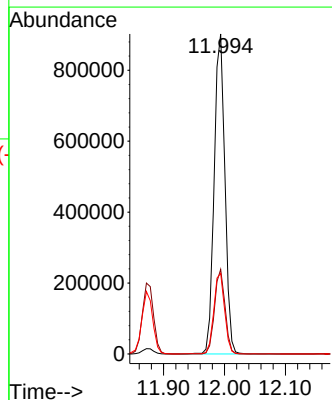
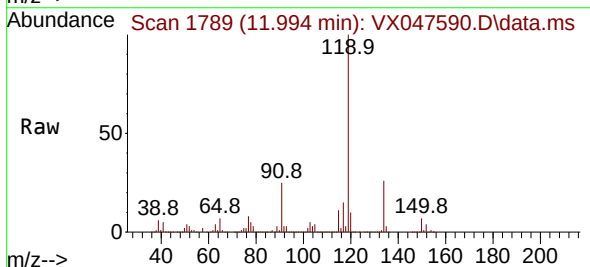
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

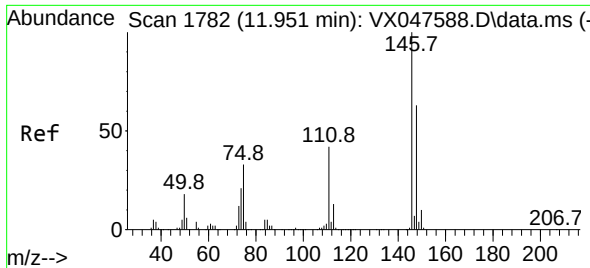
Tgt Ion:105 Resp: 1319819
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 149.530 ug/l
 RT: 11.994 min Scan# 1789
 Delta R.T. -0.000 min
 Lab File: VX047590.D
 Acq: 16 Sep 2025 12:01

Tgt Ion:119 Resp: 1103210
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.6 37.8
 91 25.3 12.6 37.6

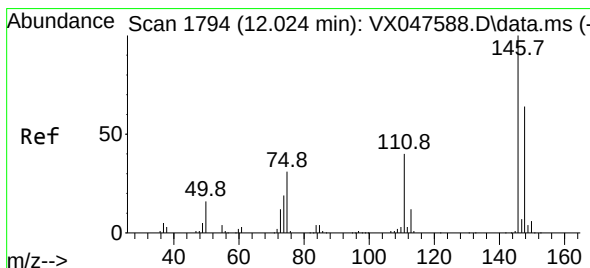
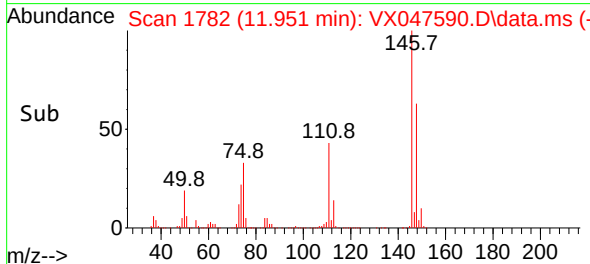
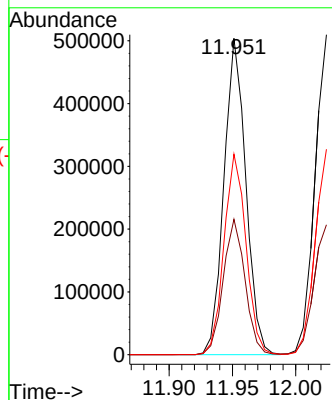
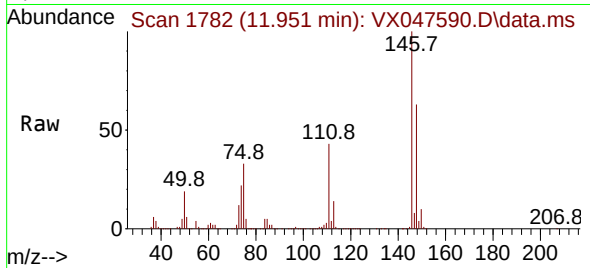




#87
1,3-Dichlorobenzene
Concen: 151.633 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

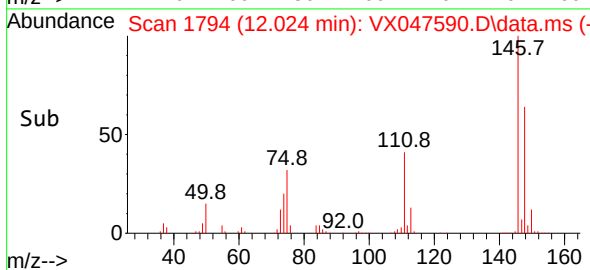
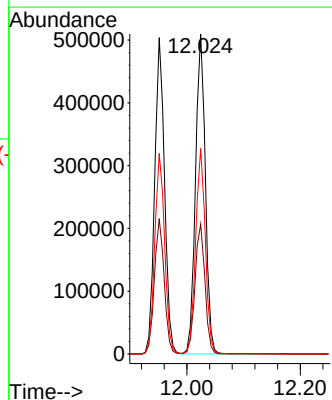
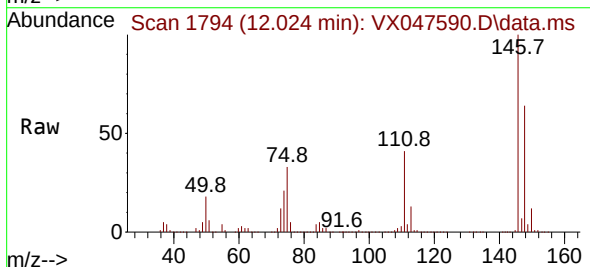
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

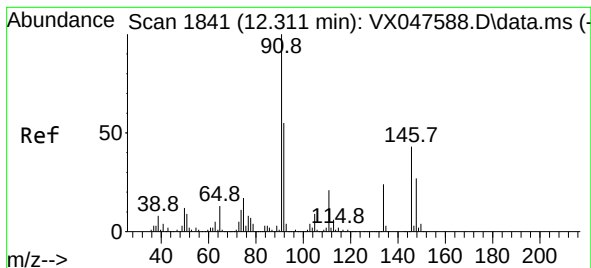
Tgt Ion:146 Resp: 605123
Ion Ratio Lower Upper
146 100
111 42.8 21.5 64.5
148 63.8 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 149.814 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 613617
Ion Ratio Lower Upper
146 100
111 41.0 20.8 62.4
148 63.2 31.7 95.1





#89

n-Butylbenzene

Concen: 151.222 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX047590.D

Acq: 16 Sep 2025 12:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

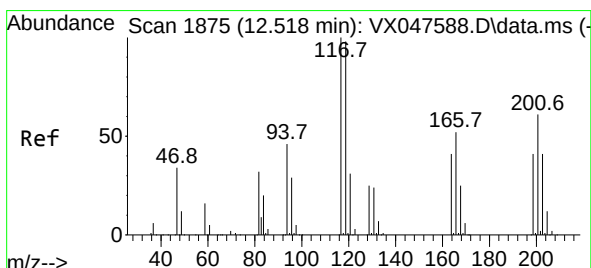
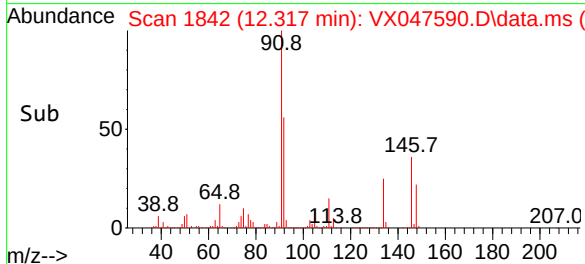
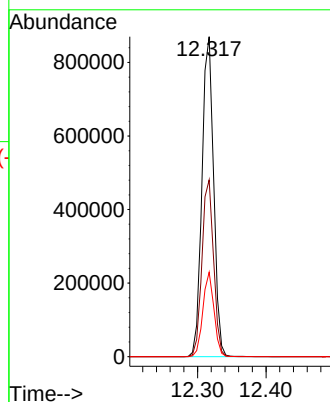
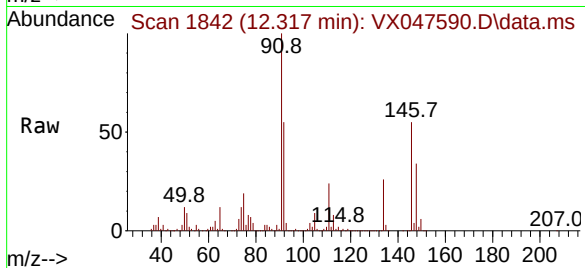
Tgt Ion: 91 Resp: 1032357

Ion Ratio Lower Upper

91 100

92 55.2 27.6 82.7

134 25.2 12.6 37.8



#90

Hexachloroethane

Concen: 163.258 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX047590.D

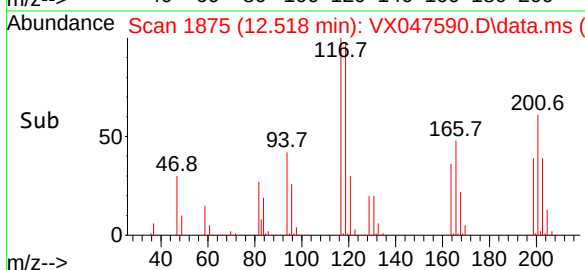
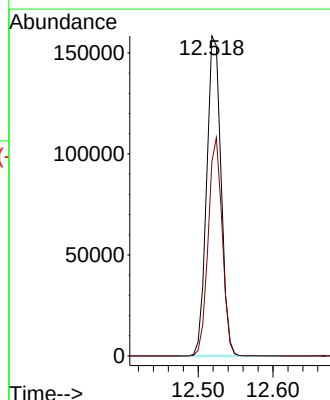
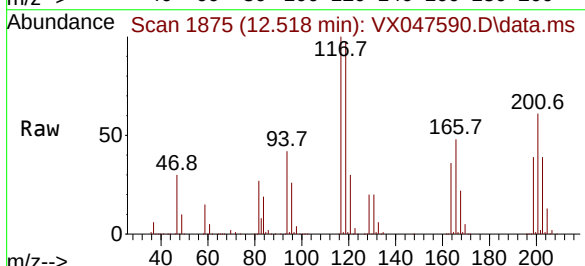
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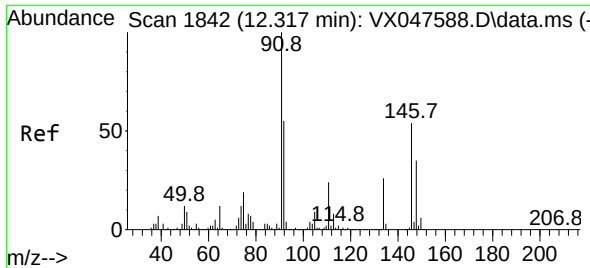
Tgt Ion: 117 Resp: 211472

Ion Ratio Lower Upper

117 100

201 66.6 34.2 102.5

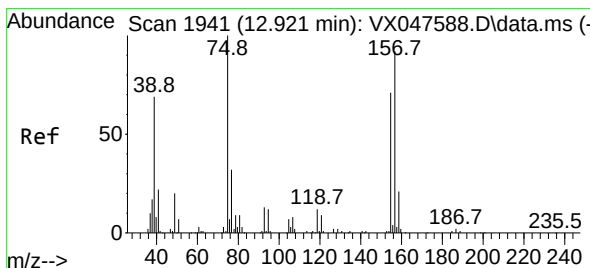
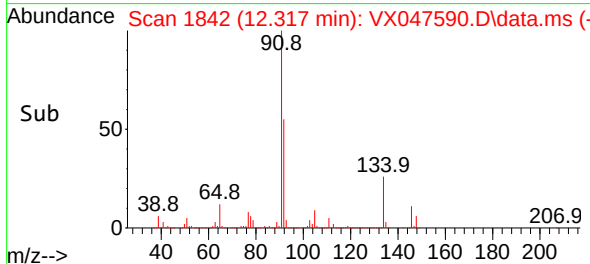
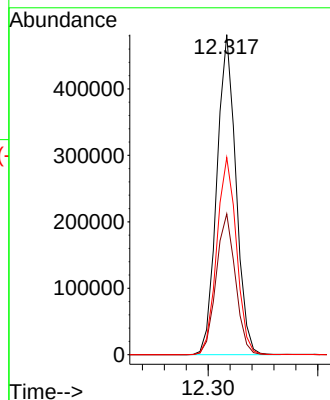
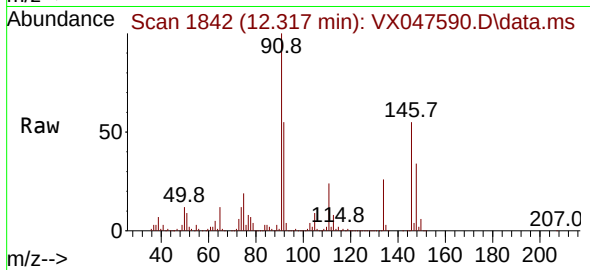




#91
1,2-Dichlorobenzene
Concen: 153.227 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

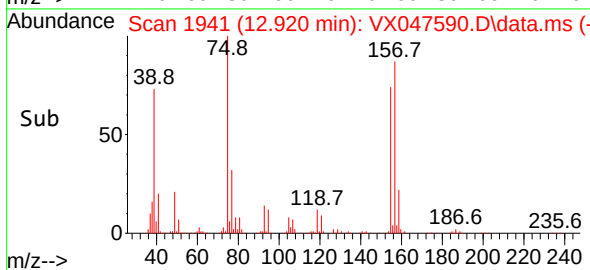
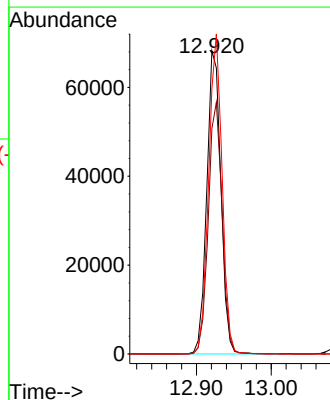
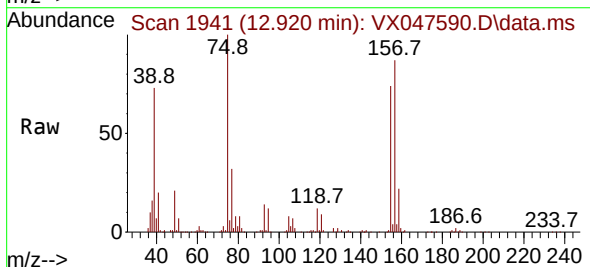
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

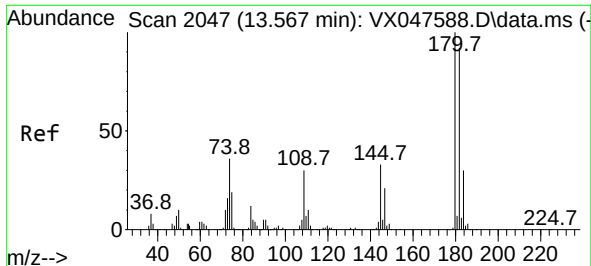
Tgt Ion:146 Resp: 582565
Ion Ratio Lower Upper
146 100
111 44.5 22.2 66.6
148 63.5 31.8 95.4



#92
1,2-Dibromo-3-Chloropropane
Concen: 167.332 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 89415
Ion Ratio Lower Upper
75 100
155 81.3 37.7 113.1
157 100.6 49.8 149.4

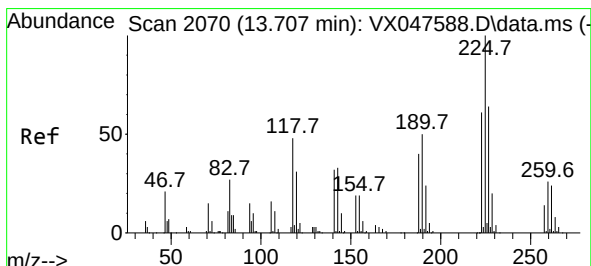
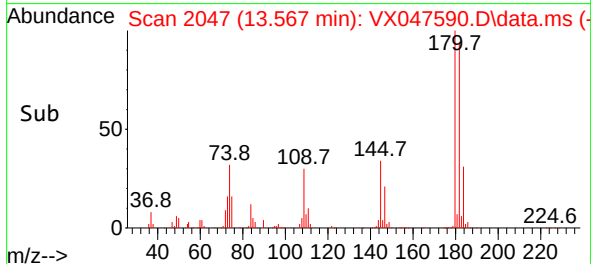
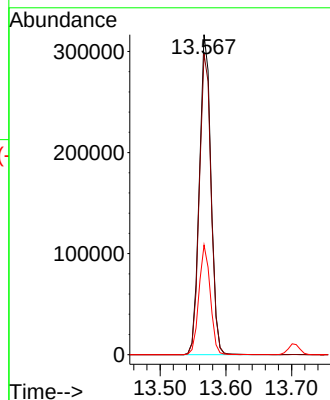
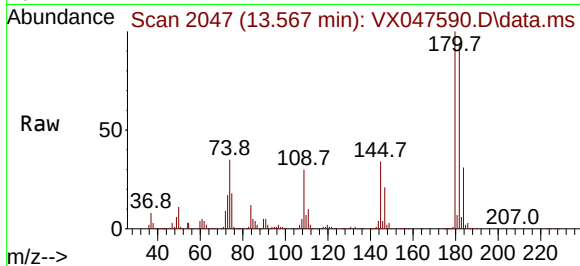




#93
1,2,4-Trichlorobenzene
Concen: 156.884 ug/l
RT: 13.567 min Scan# 2047
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

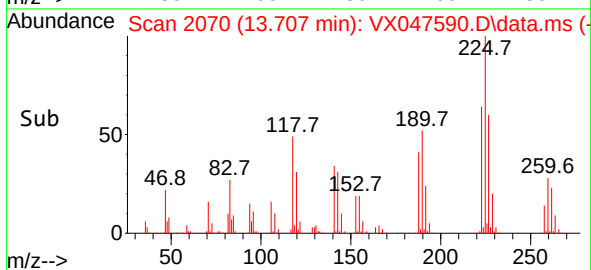
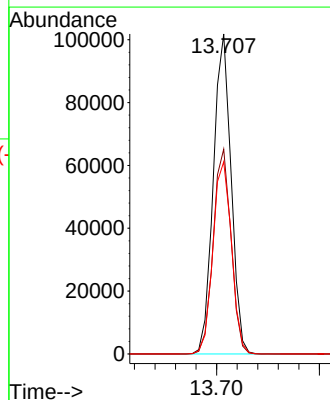
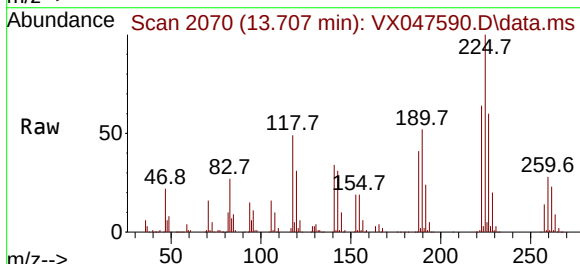
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

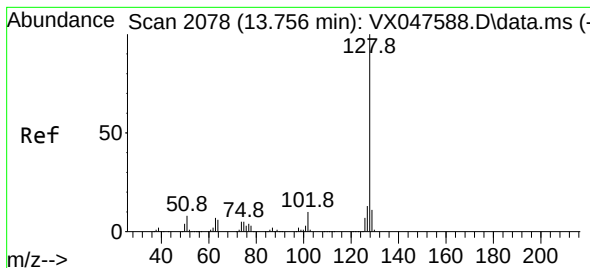
Tgt Ion:180 Resp: 387652
Ion Ratio Lower Upper
180 100
182 95.3 46.6 139.8
145 33.5 16.4 49.1



#94
Hexachlorobutadiene
Concen: 145.110 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:225 Resp: 121791
Ion Ratio Lower Upper
225 100
223 64.2 31.7 95.1
227 62.8 32.0 96.0

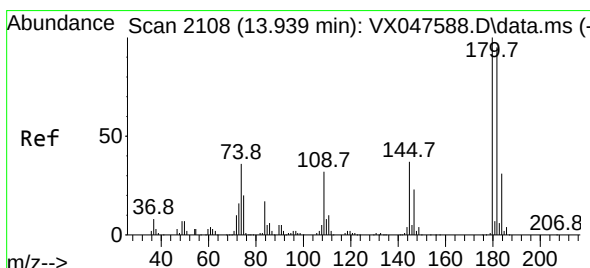
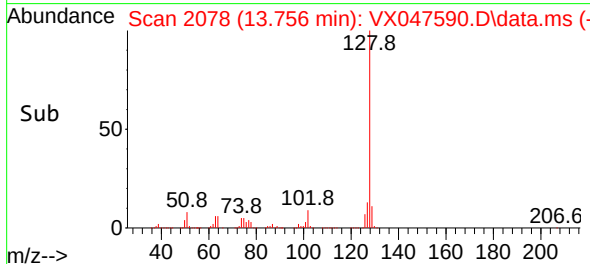
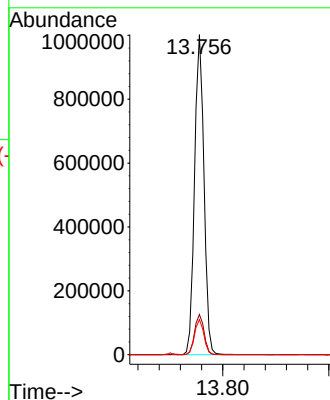
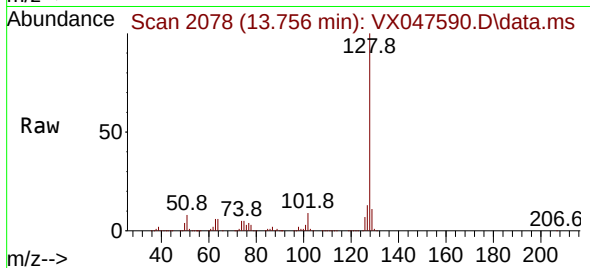




#95
Naphthalene
Concen: 163.388 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

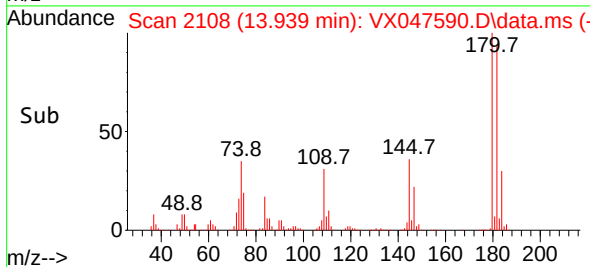
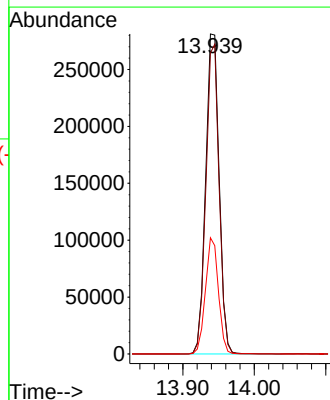
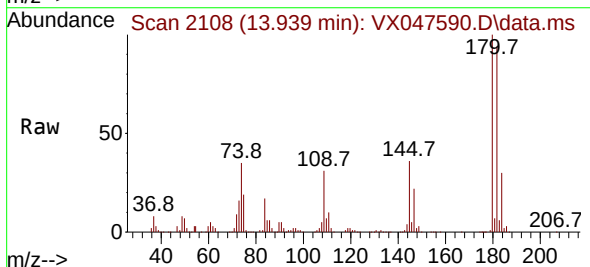
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1229363
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 160.704 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:180 Resp: 369382
Ion Ratio Lower Upper
180 100
182 94.6 47.6 142.8
145 34.9 17.9 53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047592.D
 Acq On : 16 Sep 2025 13:35
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091625

Quant Time: Sep 22 02:06:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	186484	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	331837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	135209	45.550	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.100%
35) Dibromofluoromethane	5.367	113	101390	45.559	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.120%
50) Toluene-d8	8.634	98	357393	46.411	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.820%
62) 4-Bromofluorobenzene	11.061	95	135957	46.520	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	86110	44.592	ug/l	94
3) Chloromethane	1.300	50	110935	43.710	ug/l	99
4) Vinyl Chloride	1.380	62	113742	45.783	ug/l	99
5) Bromomethane	1.617	94	76388	48.489	ug/l	99
6) Chloroethane	1.697	64	77337	46.575	ug/l	99
7) Trichlorofluoromethane	1.892	101	173647	47.074	ug/l	98
8) Diethyl Ether	2.136	74	70459	46.693	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	104663	48.524	ug/l	99
10) Methyl Iodide	2.453	142	155450	46.210	ug/l	99
11) Tert butyl alcohol	2.940	59	84722	256.271	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104302	47.076	ug/l	98
13) Acrolein	2.233	56	77645	254.867	ug/l	99
14) Allyl chloride	2.666	41	213704	46.742	ug/l	99
15) Acrylonitrile	3.056	53	310505	253.567	ug/l	99
16) Acetone	2.373	43	316217	245.006	ug/l	97
17) Carbon Disulfide	2.514	76	272741	44.966	ug/l	97
18) Methyl Acetate	2.697	43	158480	55.175	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	392574	48.538	ug/l	100
20) Methylene Chloride	2.788	84	125669	46.000	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	111418	46.709	ug/l	99
22) Diisopropyl ether	3.745	45	426854	48.174	ug/l #	83
23) Vinyl Acetate	3.709	43	1741267	245.539	ug/l	99
24) 1,1-Dichloroethane	3.599	63	226249	48.041	ug/l	99
25) 2-Butanone	4.532	43	408273	253.598	ug/l	97
26) 2,2-Dichloropropane	4.458	77	193760	49.494	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	142635	48.826	ug/l	99
28) Bromochloromethane	4.879	49	95782	46.586	ug/l	99
29) Tetrahydrofuran	4.983	42	245392	253.375	ug/l	99
30) Chloroform	5.074	83	231954	48.739	ug/l	99
31) Cyclohexane	5.458	56	180430	45.999	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	197711	48.978	ug/l	100
36) 1,1-Dichloropropene	5.678	75	151745	46.663	ug/l	99
37) Ethyl Acetate	4.690	43	171454	49.241	ug/l	98
38) Carbon Tetrachloride	5.659	117	165834	46.935	ug/l	95
39) Methylcyclohexane	7.360	83	179392	48.597	ug/l	98
40) Benzene	6.019	78	467748	47.357	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047592.D
 Acq On : 16 Sep 2025 13:35
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091625

Quant Time: Sep 22 02:06:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	90758	50.490	ug/l	98
42) 1,2-Dichloroethane	6.068	62	176131	46.867	ug/l	100
43) Isopropyl Acetate	6.318	43	280595	49.136	ug/l	100
44) Trichloroethene	7.104	130	114708	48.037	ug/l	98
45) 1,2-Dichloropropane	7.409	63	121532	48.053	ug/l	98
46) Dibromomethane	7.562	93	88297	47.976	ug/l	98
47) Bromodichloromethane	7.799	83	185219	48.769	ug/l	96
48) Methyl methacrylate	7.671	41	141532	49.757	ug/l	99
49) 1,4-Dioxane	7.641	88	31320	1089.520	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	809759	255.752	ug/l	100
52) Toluene	8.702	92	292879	48.130	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	191863	49.527	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	203954	49.257	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	112094	47.772	ug/l	98
56) Ethyl methacrylate	9.098	69	189741	51.490	ug/l	99
57) 1,3-Dichloropropane	9.293	76	197079	48.894	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	394205	225.562	ug/l	99
59) 2-Hexanone	9.415	43	575599	253.126	ug/l	99
60) Dibromochloromethane	9.506	129	134704	49.824	ug/l	99
61) 1,2-Dibromoethane	9.592	107	117817	49.297	ug/l	99
64) Tetrachloroethene	9.256	164	90881	48.296	ug/l	98
65) Chlorobenzene	10.061	112	318372	48.549	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	110416	48.794	ug/l	98
67) Ethyl Benzene	10.177	91	563634	49.813	ug/l	99
68) m/p-Xylenes	10.287	106	416757	98.956	ug/l	99
69) o-Xylene	10.622	106	204323	50.159	ug/l	99
70) Styrene	10.640	104	353567	49.536	ug/l	99
71) Bromoform	10.780	173	86524	51.207	ug/l #	98
73) Isopropylbenzene	10.945	105	523826	49.479	ug/l	100
74) N-amyl acetate	10.823	43	243198	50.375	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	159676	49.851	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	184000	65.262	ug/l	89
77) Bromobenzene	11.183	156	125610	48.173	ug/l	98
78) n-propylbenzene	11.286	91	616928	49.295	ug/l	99
79) 2-Chlorotoluene	11.347	91	376486	49.117	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	435375	50.055	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	55880	50.543	ug/l	99
82) 4-Chlorotoluene	11.433	91	445075	49.164	ug/l	100
83) tert-Butylbenzene	11.695	119	442341	49.679	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	440134	49.911	ug/l	99
85) sec-Butylbenzene	11.872	105	529869	50.100	ug/l	100
86) p-Isopropyltoluene	11.994	119	446441	49.861	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	237383	49.014	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	243618	49.011	ug/l	99
89) n-Butylbenzene	12.317	91	420478	50.752	ug/l	100
90) Hexachloroethane	12.518	117	79751	50.732	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	227493	49.304	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33020	50.918	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	153333	51.133	ug/l	100
94) Hexachlorobutadiene	13.707	225	53099	52.131	ug/l	99
95) Naphthalene	13.756	128	464206	50.836	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	142413	51.054	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

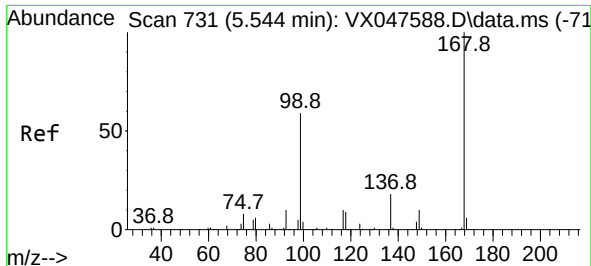
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

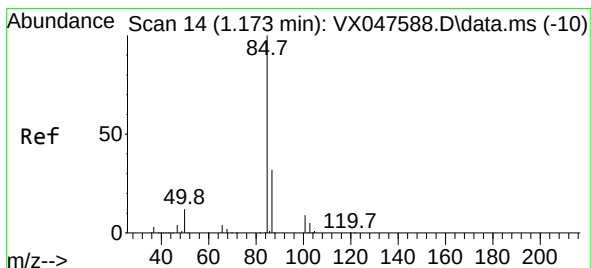
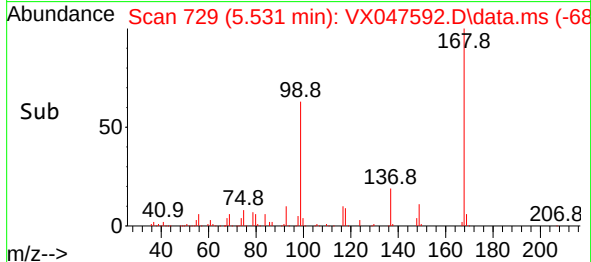
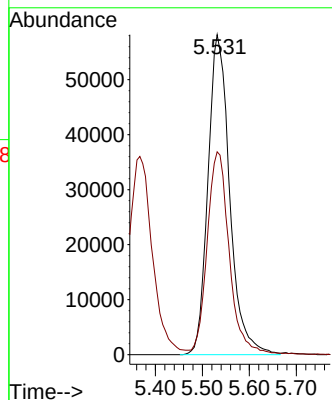
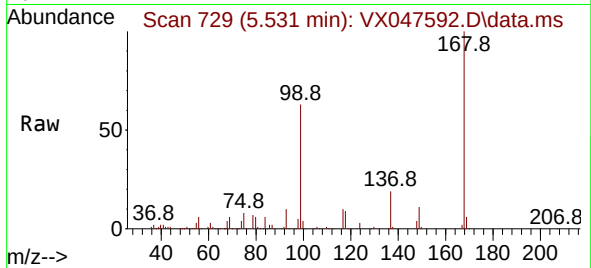
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- 15
- 16
- 17



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.013 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

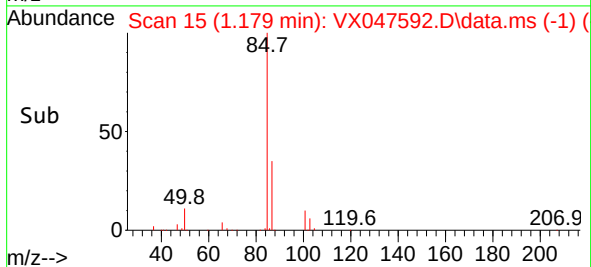
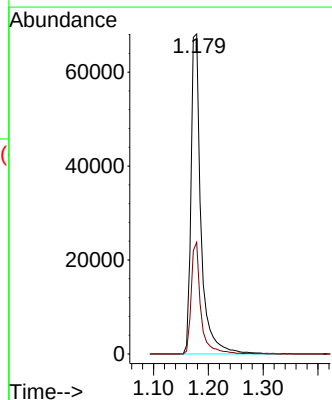
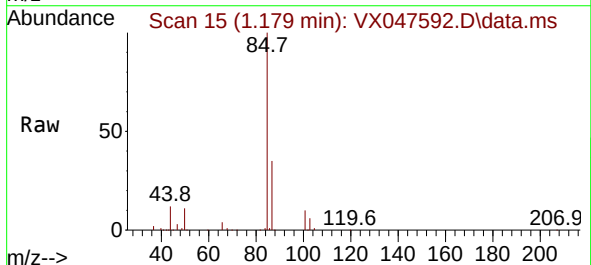
Instrument :
MSVOA_X
ClientSampleId :
ICVX091625

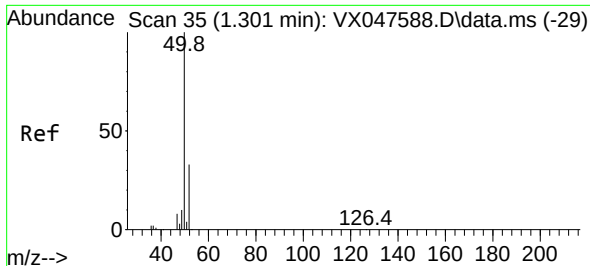
Tgt Ion:168 Resp: 186484
Ion Ratio Lower Upper
168 100
99 62.9 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 44.592 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 85 Resp: 86110
Ion Ratio Lower Upper
85 100
87 34.9 15.8 47.3

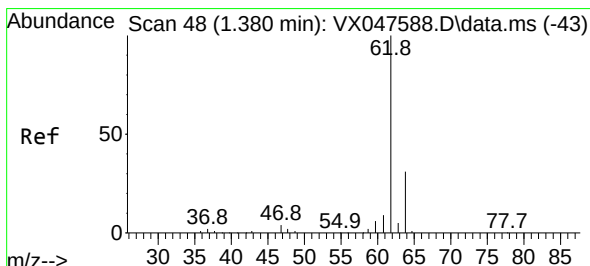
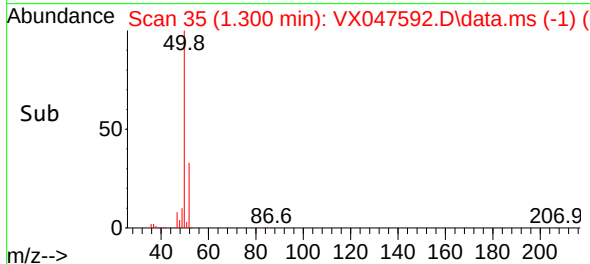
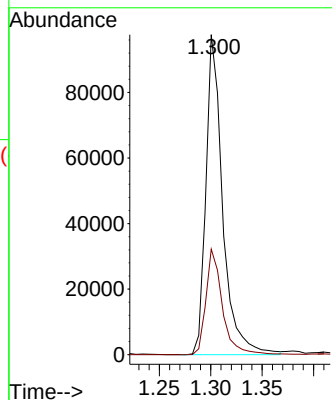
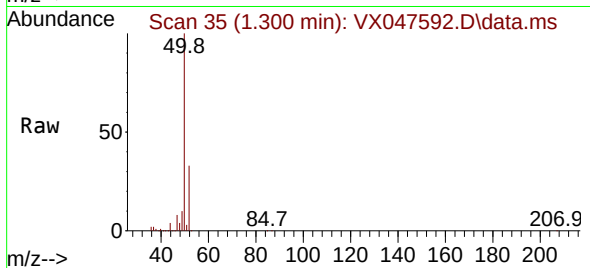




#3
Chloromethane
Concen: 43.710 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

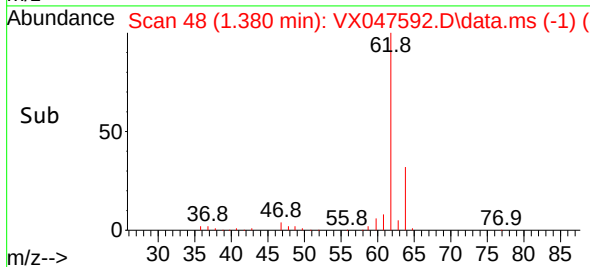
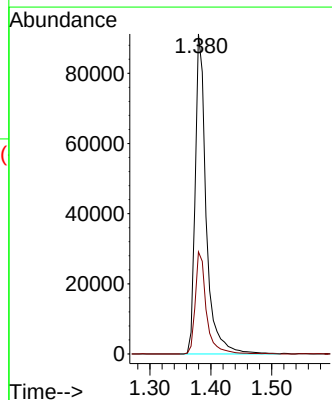
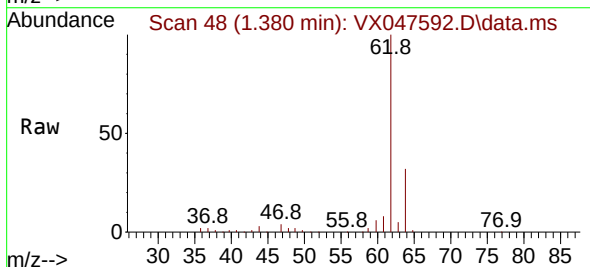
Instrument :
MSVOA_X
ClientSampleId :
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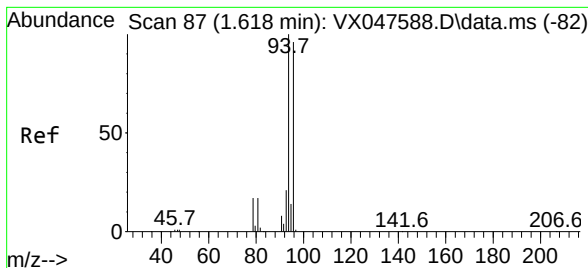
Tgt Ion: 50 Resp: 110935
Ion Ratio Lower Upper
50 100
52 33.0 26.1 39.1



#4
Vinyl Chloride
Concen: 45.783 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 113742
Ion Ratio Lower Upper
62 100
64 31.9 24.9 37.3

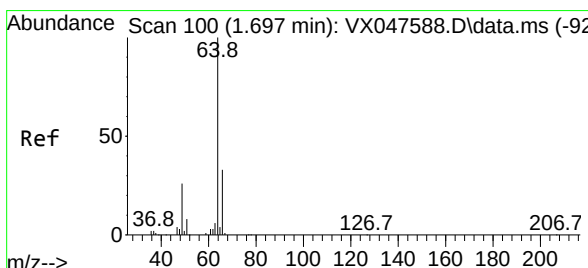
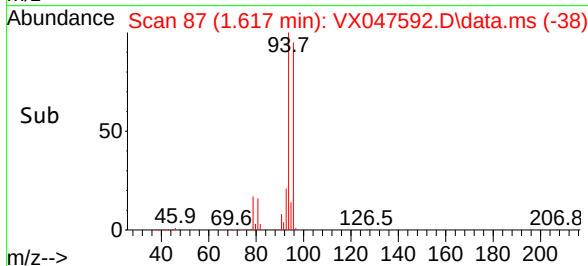
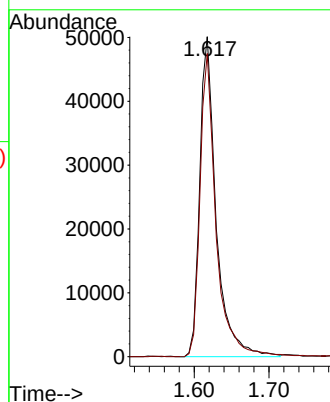
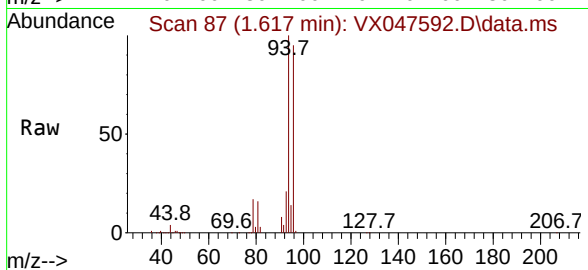




#5
Bromomethane
Concen: 48.489 ug/l
RT: 1.617 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

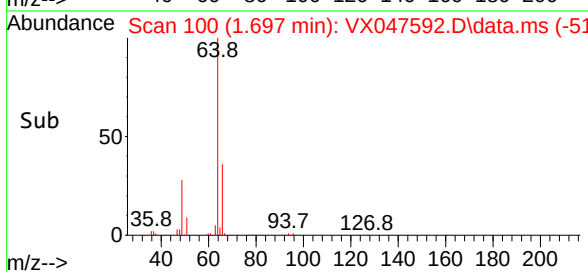
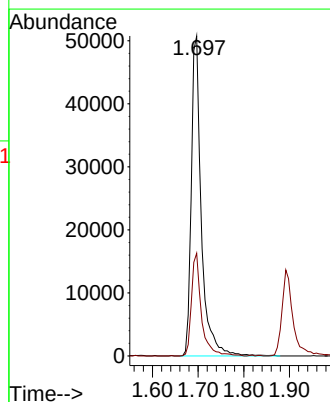
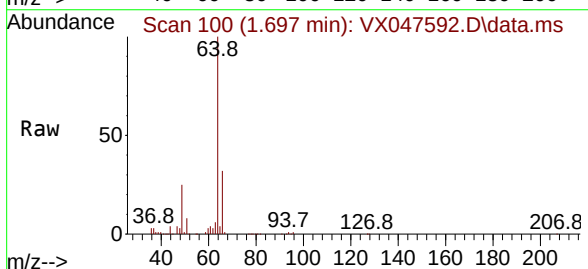
Instrument :
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ClientSampleId :
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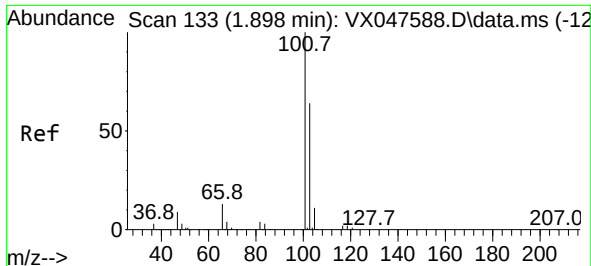
Tgt Ion: 94 Resp: 76388
Ion Ratio Lower Upper
94 100
96 94.7 76.6 115.0



#6
Chloroethane
Concen: 46.575 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 64 Resp: 77337
Ion Ratio Lower Upper
64 100
66 32.1 26.1 39.1

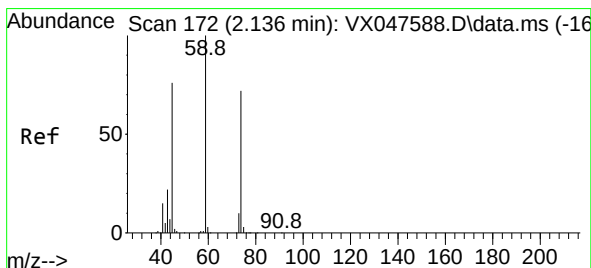
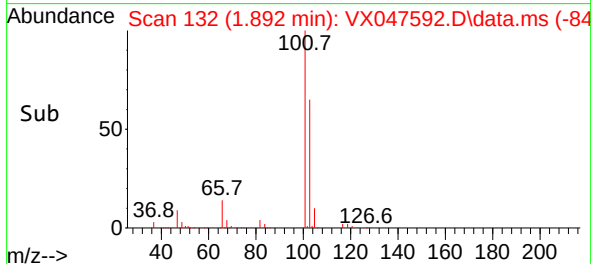
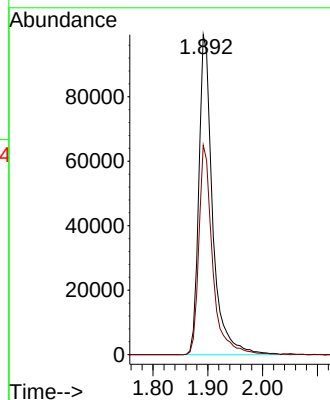
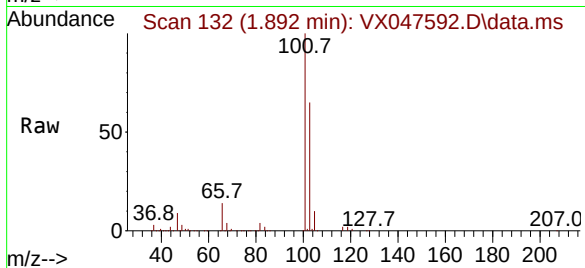




#7
 Trichlorofluoromethane
 Concen: 47.074 ug/l
 RT: 1.892 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX047592.D
 Acq: 16 Sep 2025 13:35

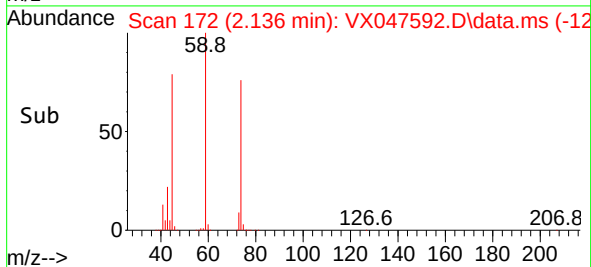
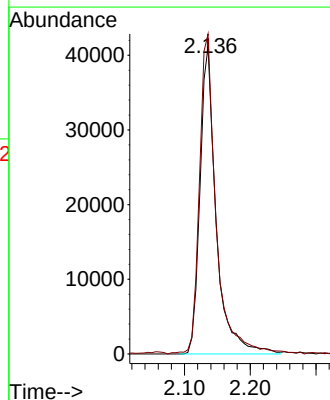
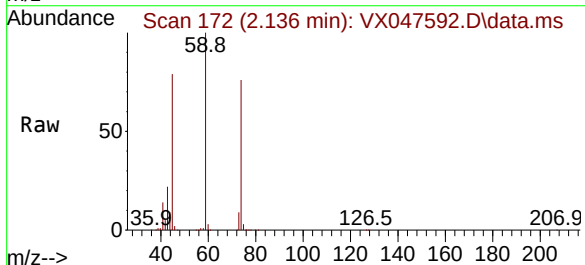
Instrument :
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 ClientSampleId :
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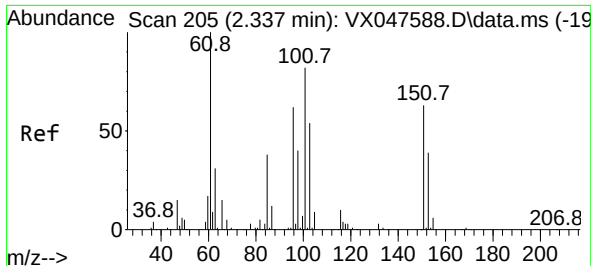
Tgt Ion:101 Resp: 173647
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.4 77.2



#8
 Diethyl Ether
 Concen: 46.693 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. -0.000 min
 Lab File: VX047592.D
 Acq: 16 Sep 2025 13:35

Tgt Ion: 74 Resp: 70459
 Ion Ratio Lower Upper
 74 100
 45 107.1 52.3 156.8

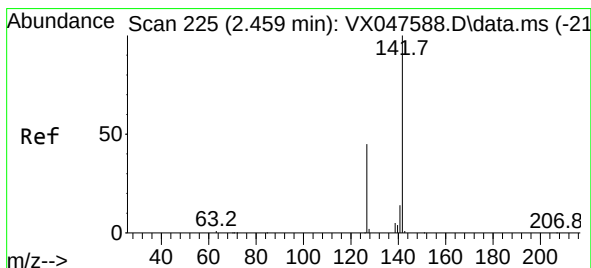
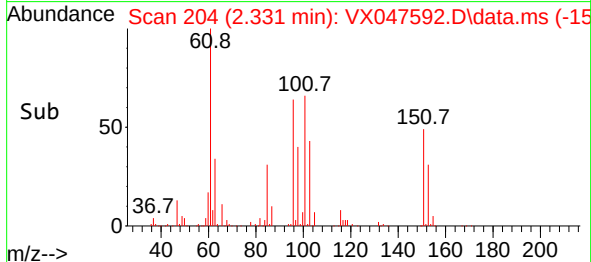
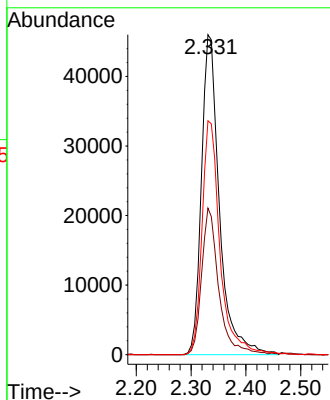
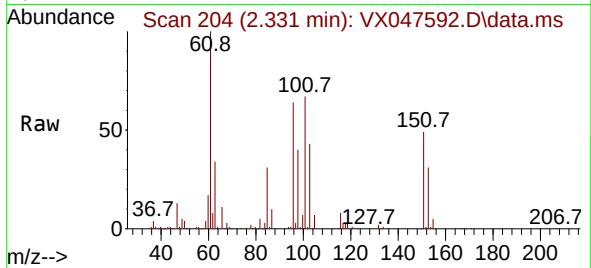




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.524 ug/l
RT: 2.331 min Scan# 205
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

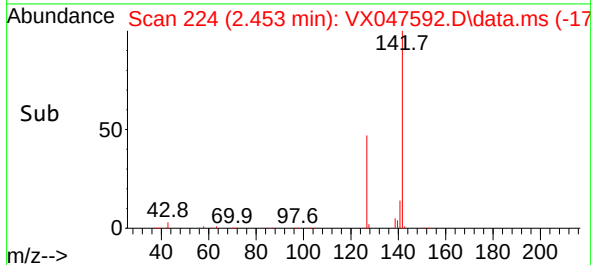
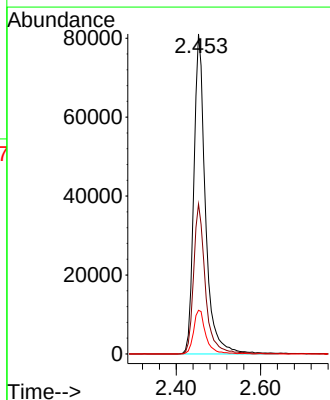
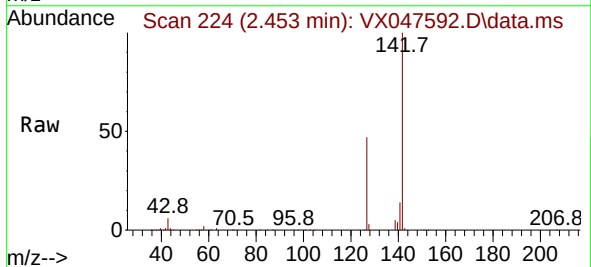
Instrument :
MSVOA_X
ClientSampleId :
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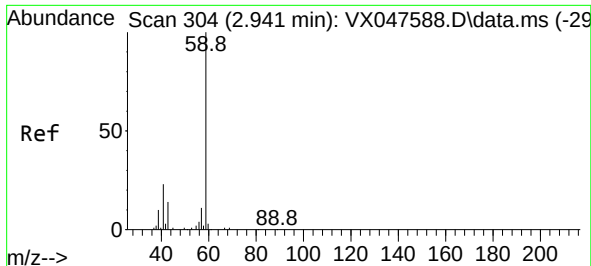
Tgt Ion:101 Resp: 104663
Ion Ratio Lower Upper
101 100
85 44.1 35.5 53.3
151 73.3 59.4 89.0



#10
Methyl Iodide
Concen: 46.210 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:142 Resp: 155450
Ion Ratio Lower Upper
142 100
127 47.6 37.2 55.8
141 14.4 11.4 17.0

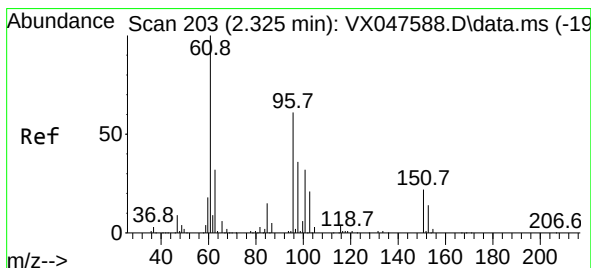
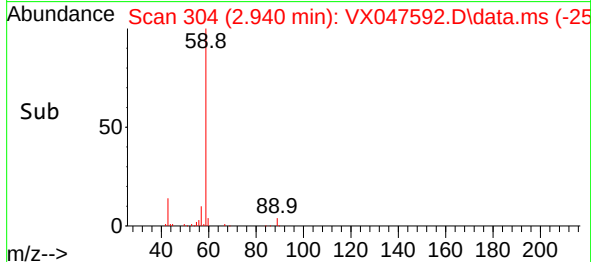
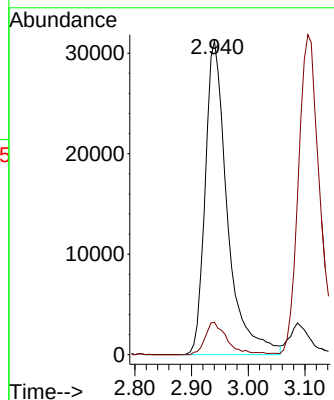
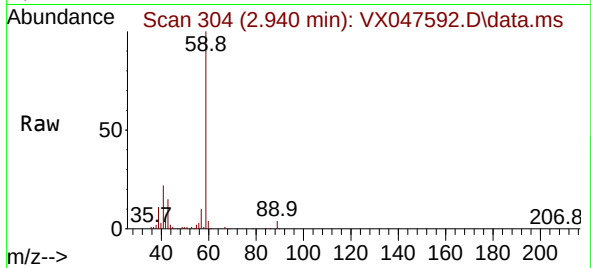




#11
Tert butyl alcohol
Concen: 256.271 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

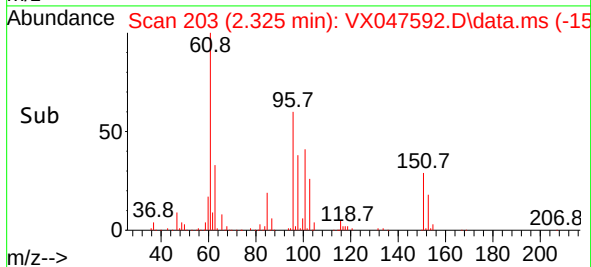
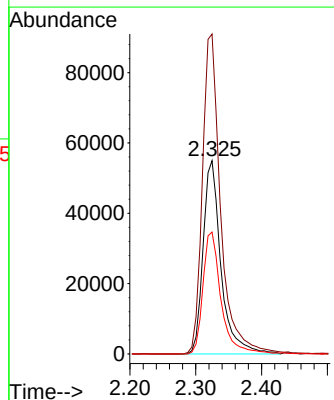
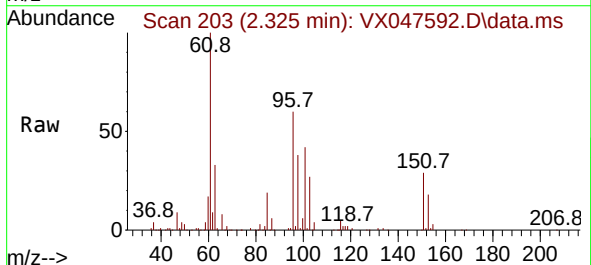
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ClientSampleId :
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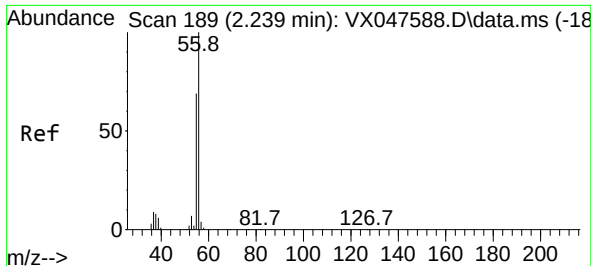
Tgt Ion: 59 Resp: 84722
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5



#12
1,1-Dichloroethene
Concen: 47.076 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 104302
Ion Ratio Lower Upper
96 100
61 165.6 131.0 196.6
98 63.1 47.7 71.5

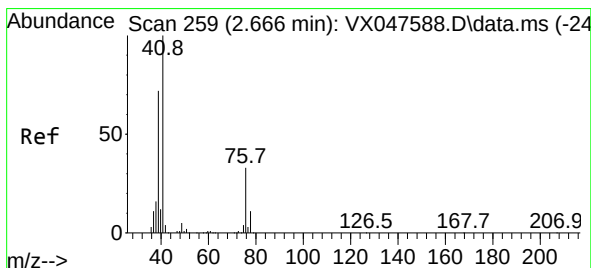
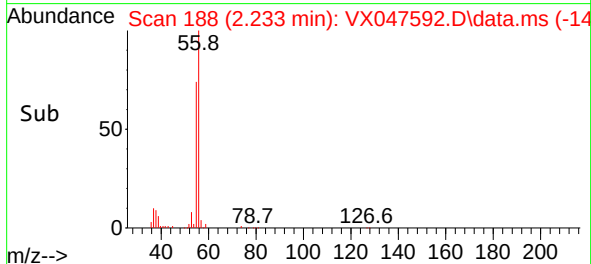
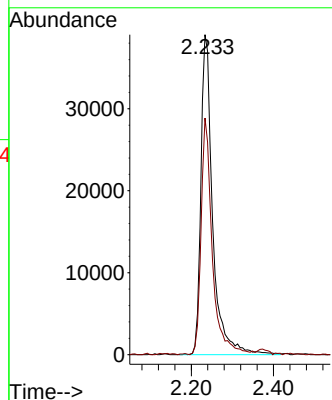
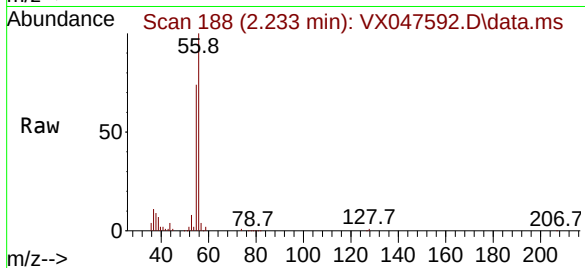




#13
Acrolein
Concen: 254.867 ug/l
RT: 2.233 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

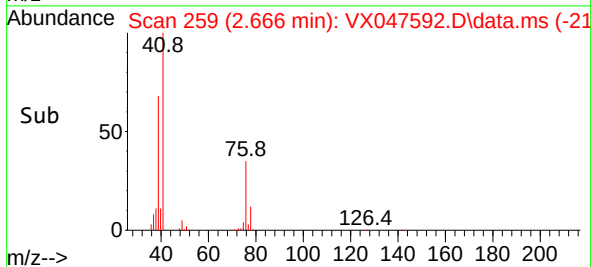
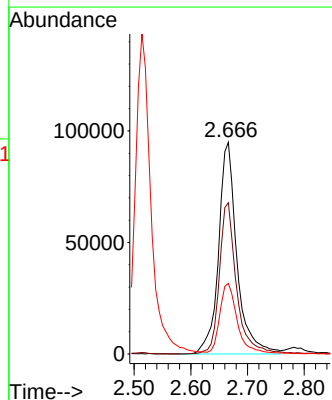
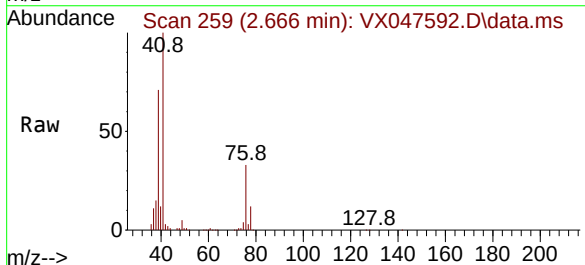
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

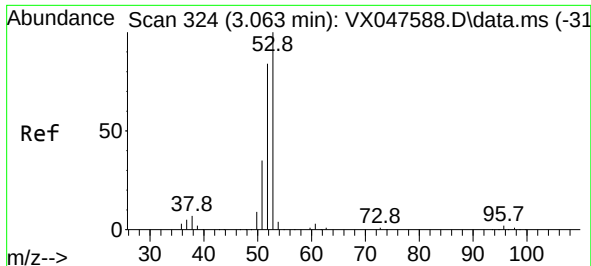
Tgt Ion: 56 Resp: 77645
Ion Ratio Lower Upper
56 100
55 70.3 57.2 85.8



#14
Allyl chloride
Concen: 46.742 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 213704
Ion Ratio Lower Upper
41 100
39 67.2 54.7 82.1
76 31.7 25.7 38.5

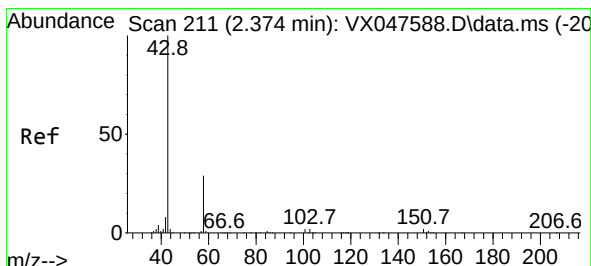
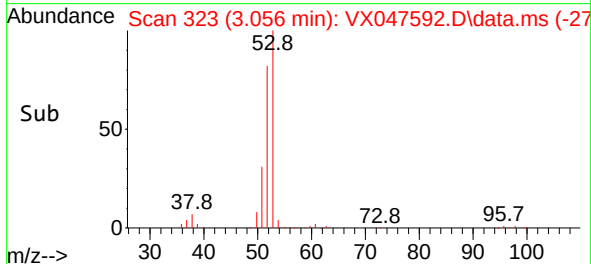
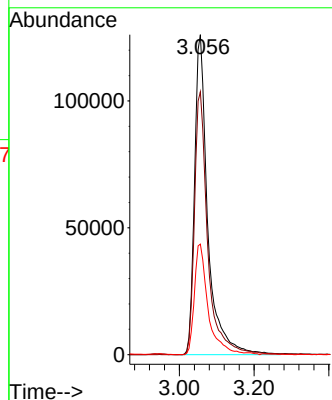
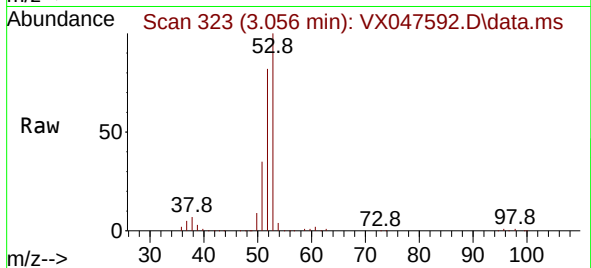




#15
Acrylonitrile
Concen: 253.567 ug/l
RT: 3.056 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

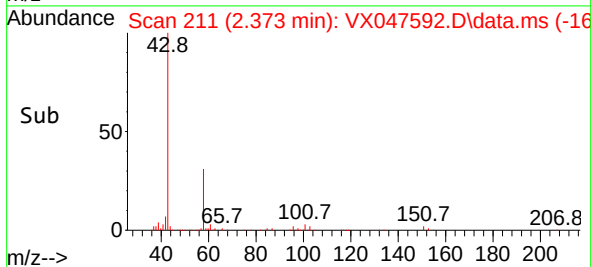
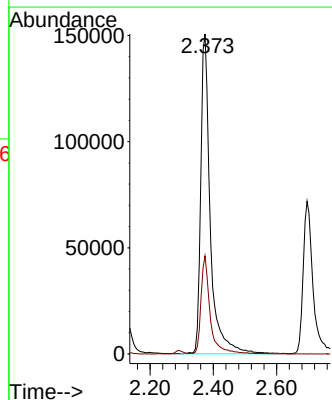
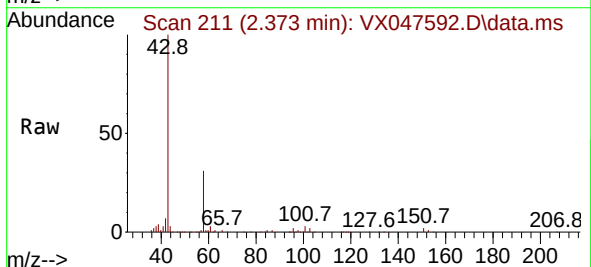
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

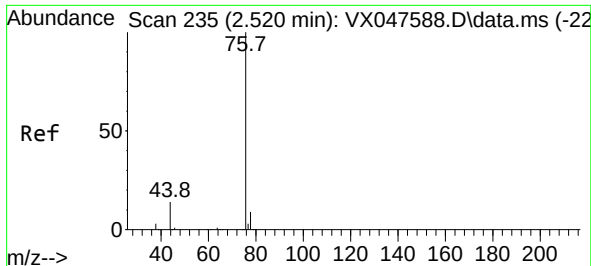
Tgt Ion: 53 Resp: 310505
Ion Ratio Lower Upper
53 100
52 82.6 66.4 99.6
51 36.2 29.5 44.3



#16
Acetone
Concen: 245.006 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 316217
Ion Ratio Lower Upper
43 100
58 30.6 23.4 35.0

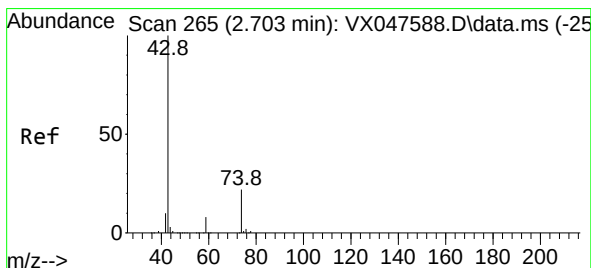
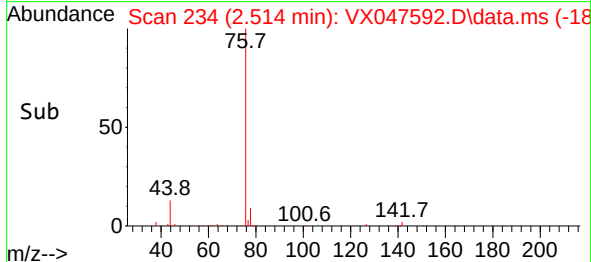
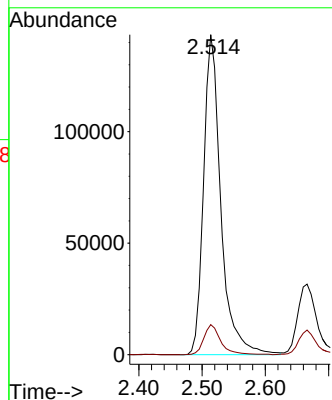
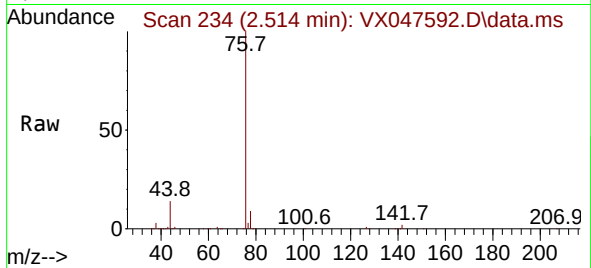




#17
Carbon Disulfide
Concen: 44.966 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

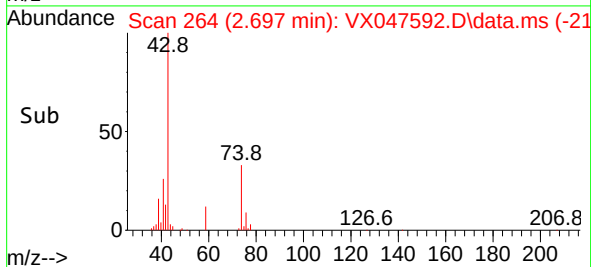
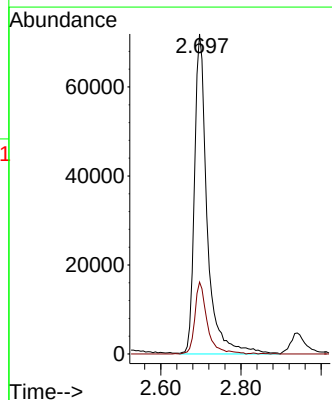
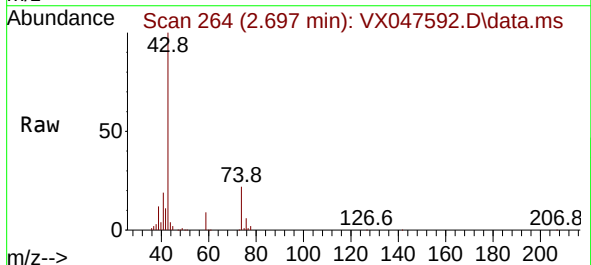
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

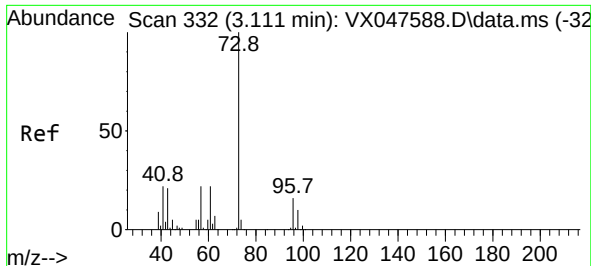
Tgt Ion: 76 Resp: 272741
Ion Ratio Lower Upper
76 100
78 9.6 6.8 10.2



#18
Methyl Acetate
Concen: 55.175 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 158480
Ion Ratio Lower Upper
43 100
74 21.8 17.4 26.2

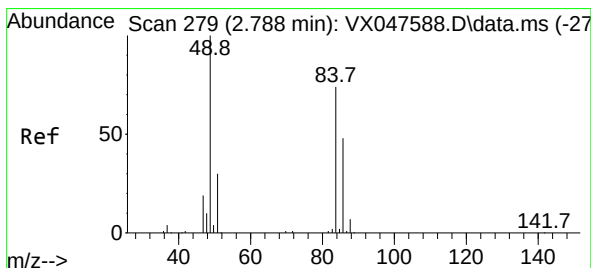
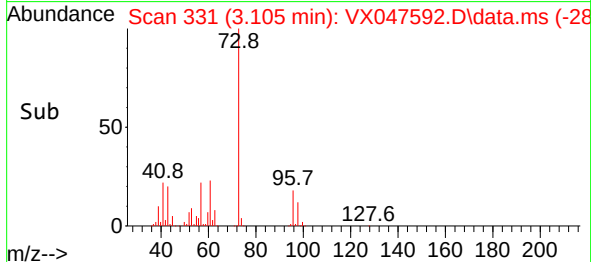
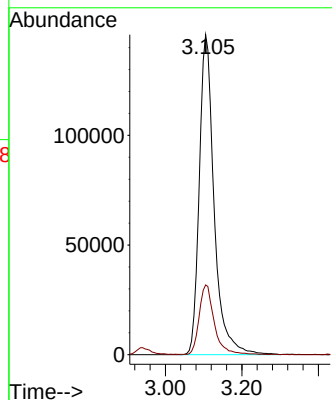
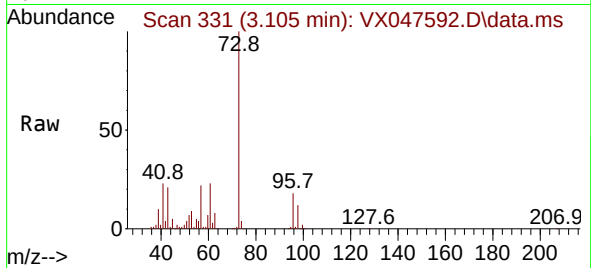




#19
Methyl tert-butyl Ether
Concen: 48.538 ug/l
RT: 3.105 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

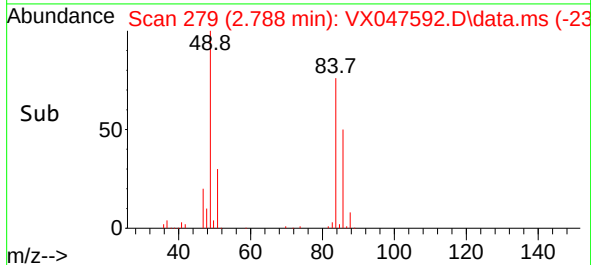
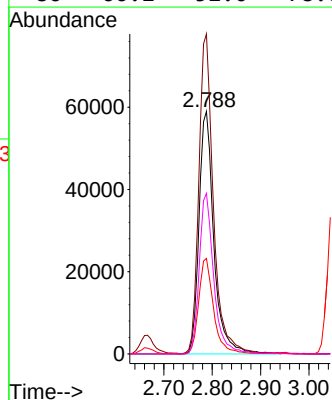
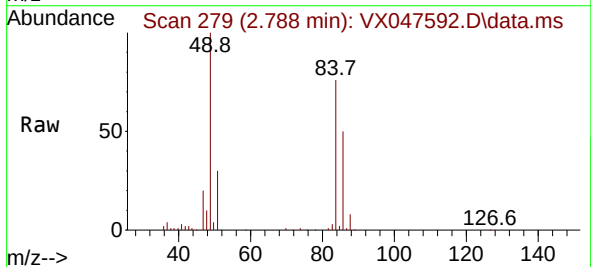
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

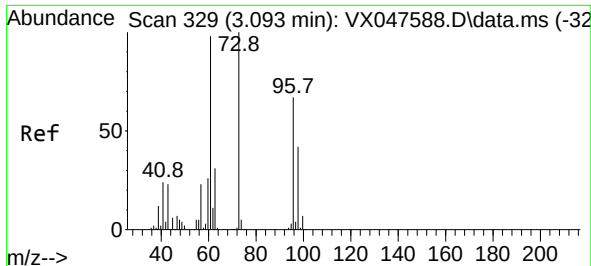
Tgt Ion: 73 Resp: 392574
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.2



#20
Methylene Chloride
Concen: 46.000 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 84 Resp: 125669
Ion Ratio Lower Upper
84 100
49 131.8 108.6 162.8
51 39.4 32.6 48.8
86 66.2 52.0 78.0

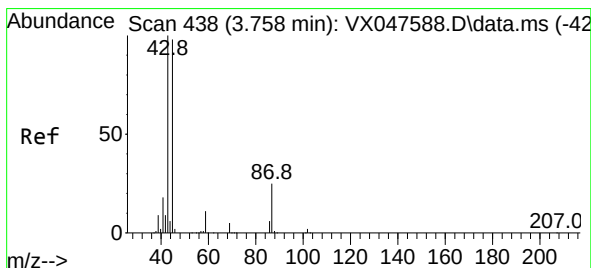
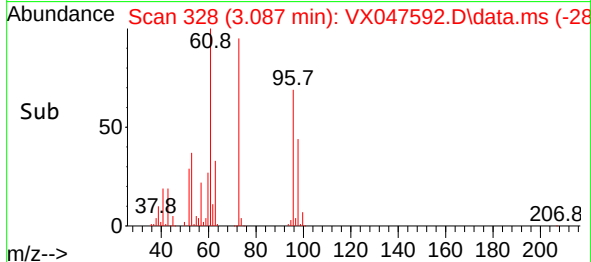
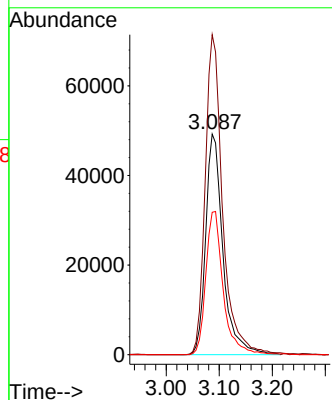
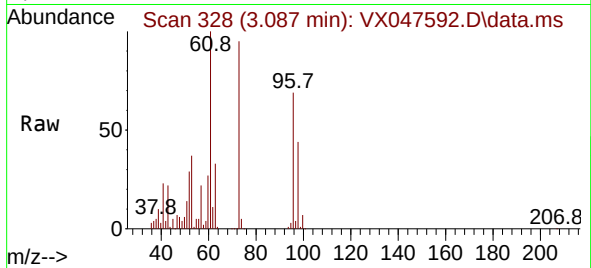




#21
trans-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 3.087 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

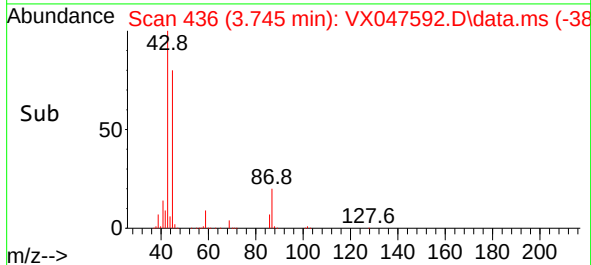
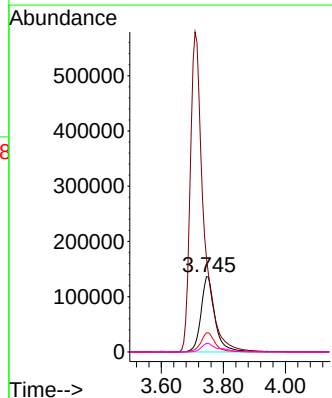
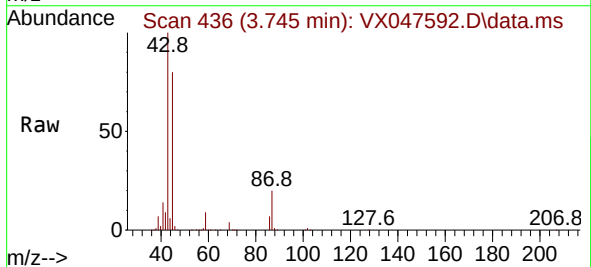
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

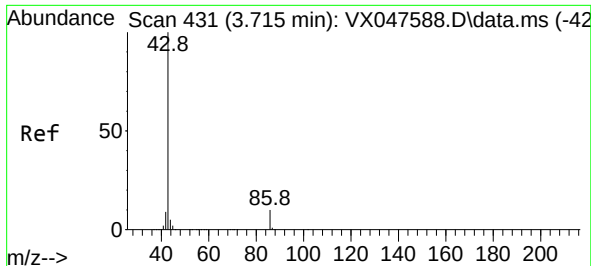
Tgt Ion: 96 Resp: 111418
Ion Ratio Lower Upper
96 100
61 145.1 116.2 174.2
98 64.5 49.3 73.9



#22
Diisopropyl ether
Concen: 48.174 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 45 Resp: 426854
Ion Ratio Lower Upper
45 100
43 124.9 81.0 121.4#
87 25.2 20.3 30.5
59 11.3 9.0 13.4

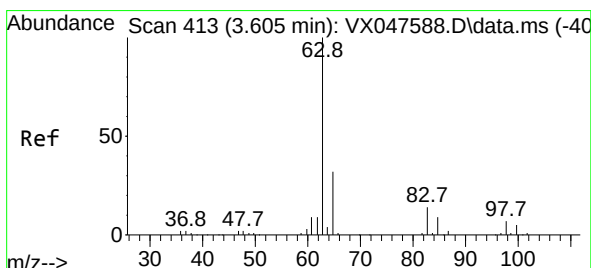
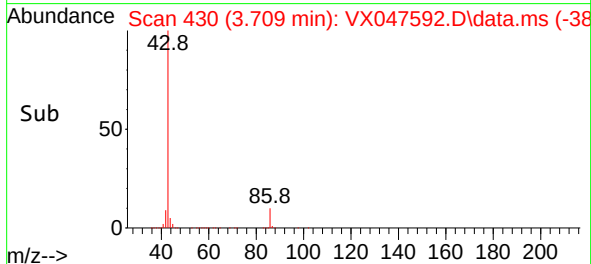
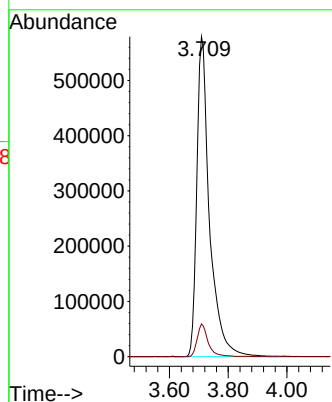
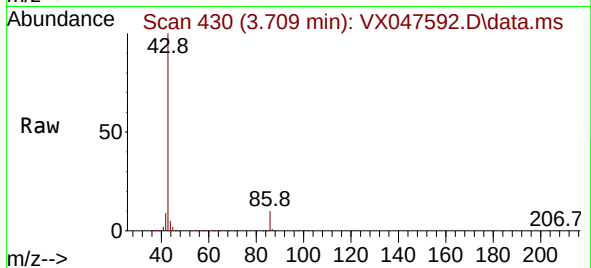




#23
 Vinyl Acetate
 Concen: 245.539 ug/l
 RT: 3.709 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX047592.D
 Acq: 16 Sep 2025 13:35

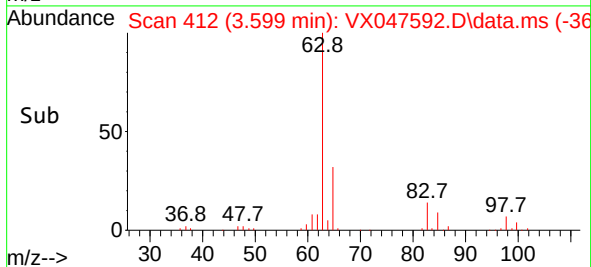
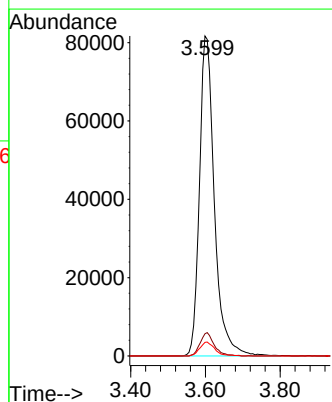
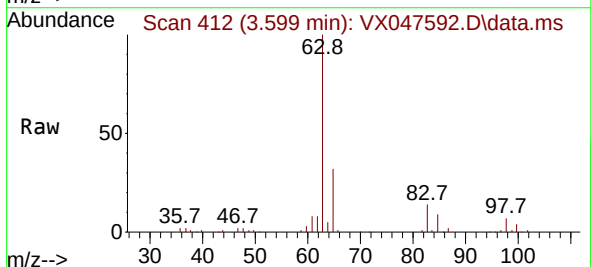
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091625

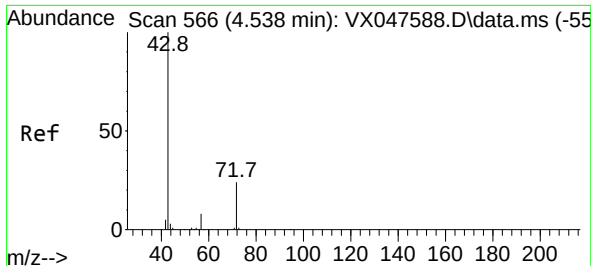
Tgt Ion: 43 Resp: 1741267
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 48.041 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.006 min
 Lab File: VX047592.D
 Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 226249
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.8 11.2
 100 4.4 2.3 6.9

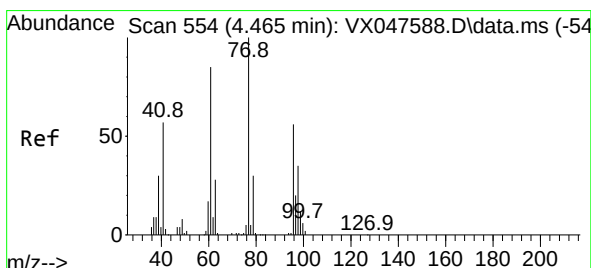
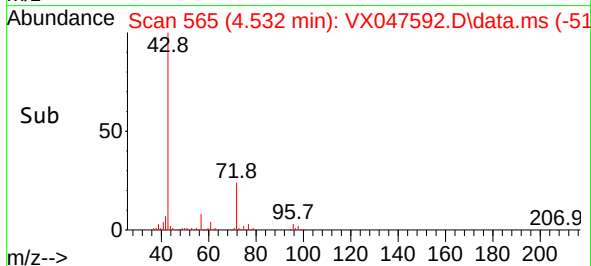
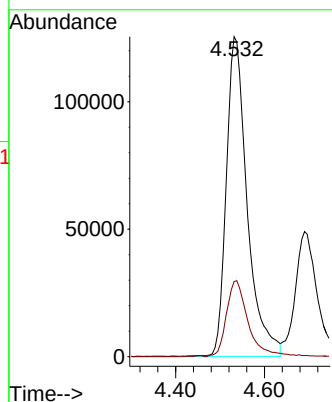
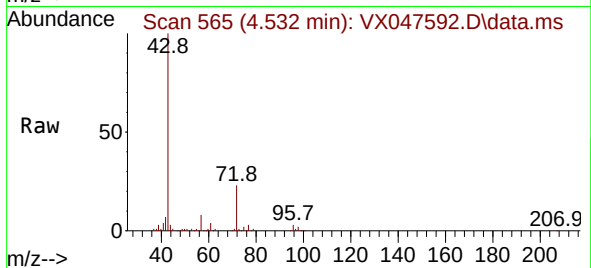




#25
2-Butanone
Concen: 253.598 ug/l
RT: 4.532 min Scan# 50
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

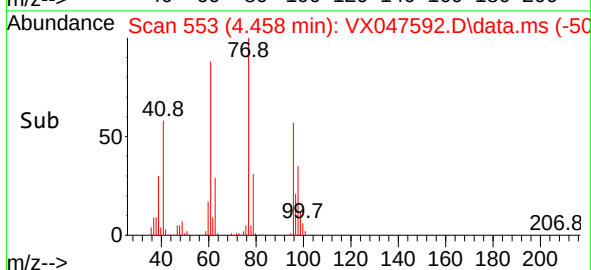
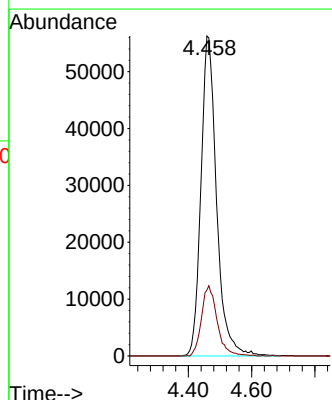
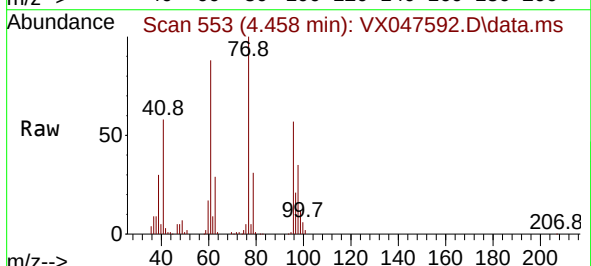
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

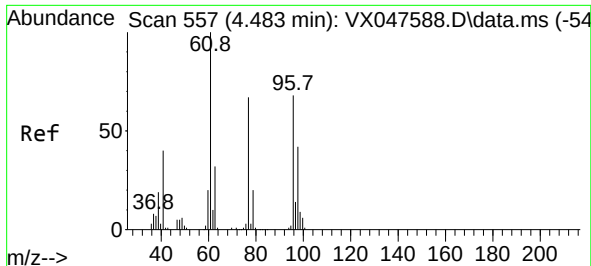
Tgt Ion: 43 Resp: 408273
Ion Ratio Lower Upper
43 100
72 23.5 20.1 30.1



#26
2,2-Dichloropropane
Concen: 49.494 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 77 Resp: 193760
Ion Ratio Lower Upper
77 100
97 22.0 10.9 32.7

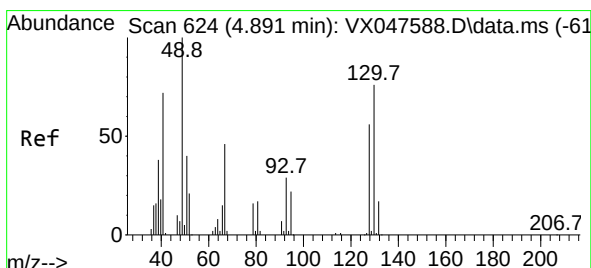
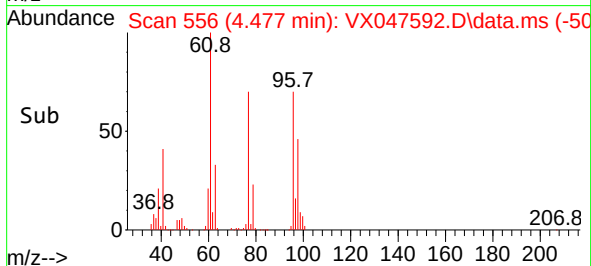
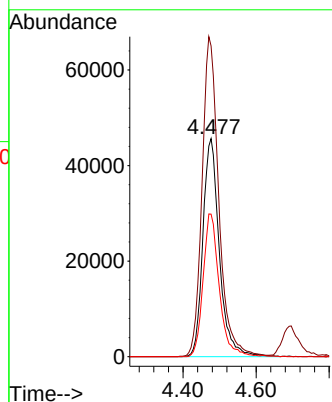
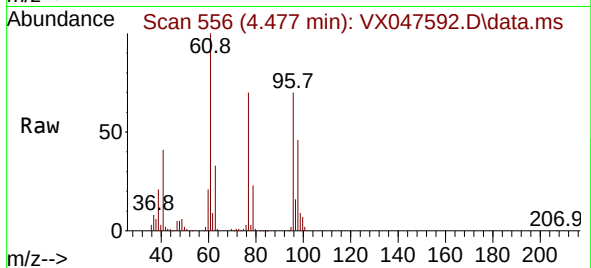




#27
 cis-1,2-Dichloroethene
 Concen: 48.826 ug/l
 RT: 4.477 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VX047592.D
 Acq: 16 Sep 2025 13:35

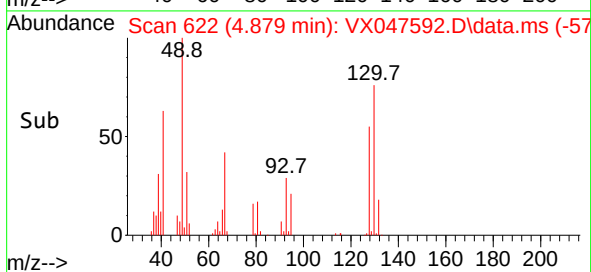
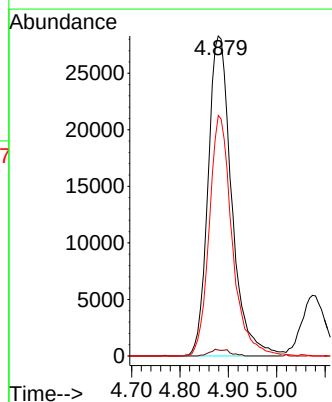
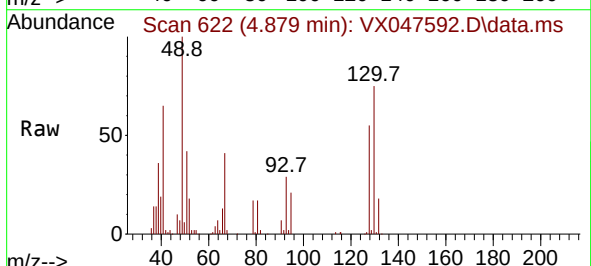
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091625

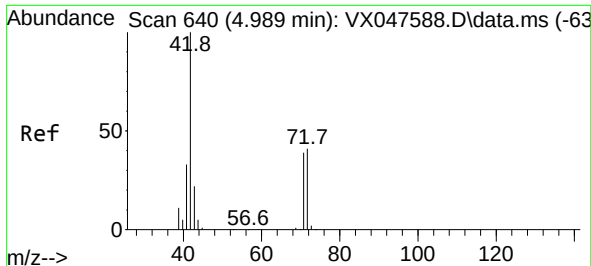
Tgt Ion: 96 Resp: 142635
 Ion Ratio Lower Upper
 96 100
 61 149.7 0.0 303.2
 98 64.3 0.0 127.8



#28
 Bromochloromethane
 Concen: 46.586 ug/l
 RT: 4.879 min Scan# 622
 Delta R.T. -0.012 min
 Lab File: VX047592.D
 Acq: 16 Sep 2025 13:35

Tgt Ion: 49 Resp: 95782
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.2
 130 72.9 57.8 86.8





#29

Tetrahydrofuran

Concen: 253.375 ug/l

RT: 4.983 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

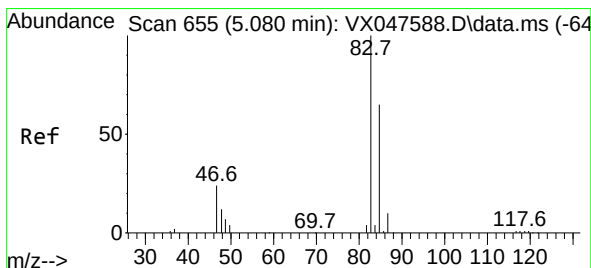
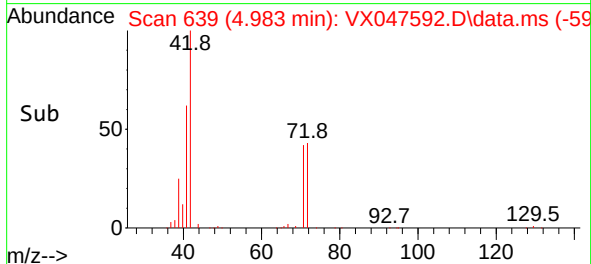
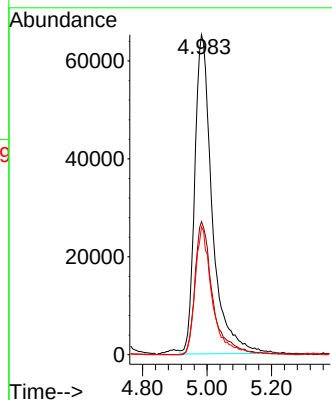
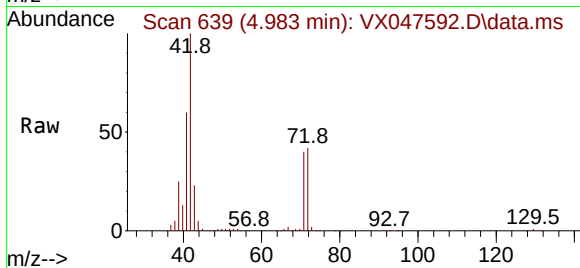
Tgt Ion: 42 Resp: 245392

Ion Ratio Lower Upper

42 100

72 42.7 34.2 51.2

71 38.9 31.9 47.9



#30

Chloroform

Concen: 48.739 ug/l

RT: 5.074 min Scan# 654

Delta R.T. -0.006 min

Lab File: VX047592.D

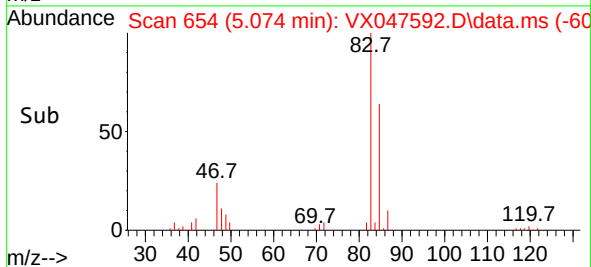
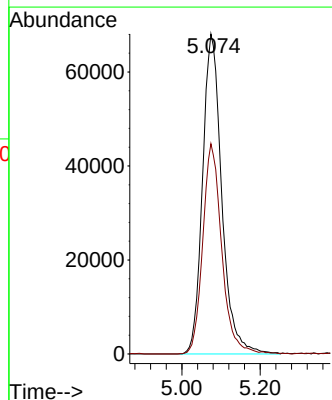
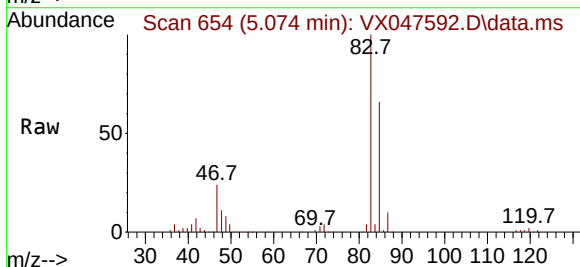
Acq: 16 Sep 2025 13:35

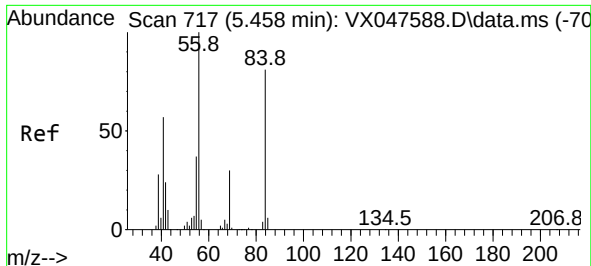
Tgt Ion: 83 Resp: 231954

Ion Ratio Lower Upper

83 100

85 65.6 51.8 77.6

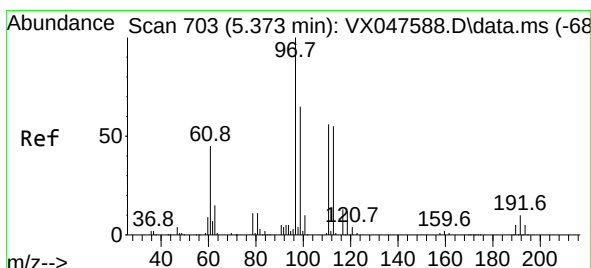
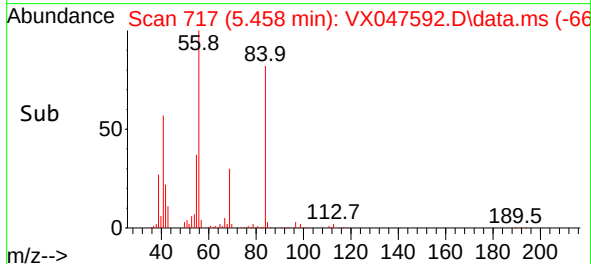
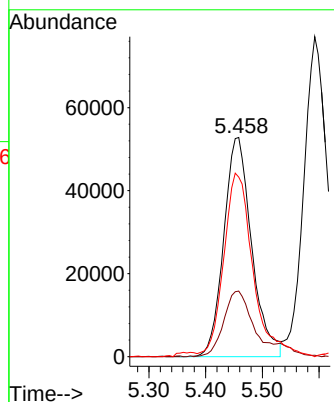
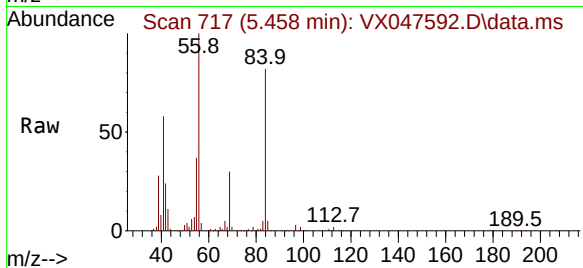




#31
Cyclohexane
Concen: 45.999 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

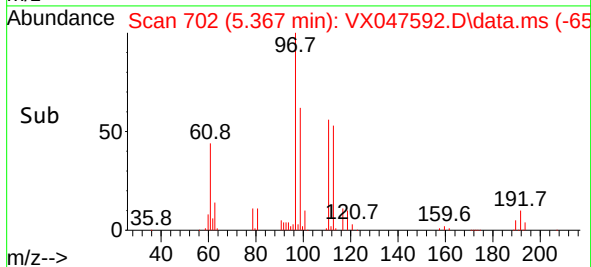
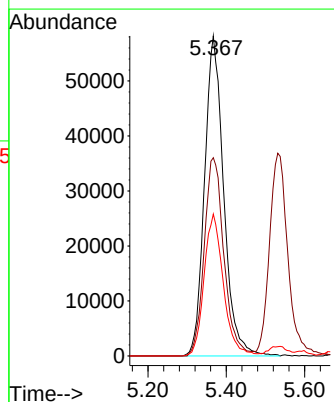
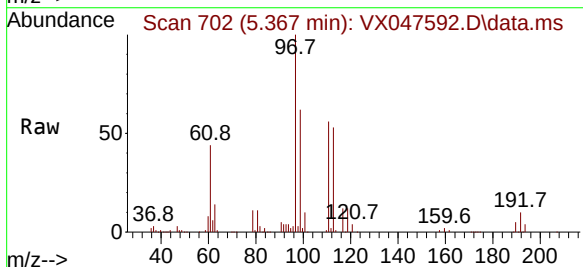
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

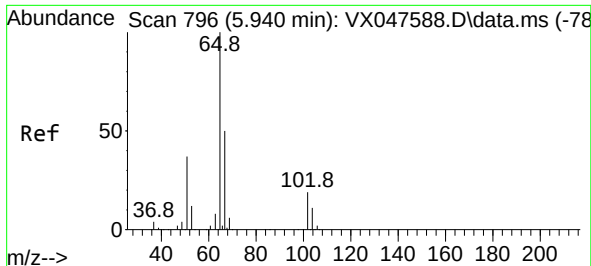
Tgt Ion: 56 Resp: 180430
Ion Ratio Lower Upper
56 100
69 29.6 23.8 35.8
84 80.3 64.6 97.0



#32
1,1,1-Trichloroethane
Concen: 48.978 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 97 Resp: 197711
Ion Ratio Lower Upper
97 100
99 63.5 50.6 76.0
61 44.6 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 45.550 ug/l

RT: 5.934 min Scan# 796

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

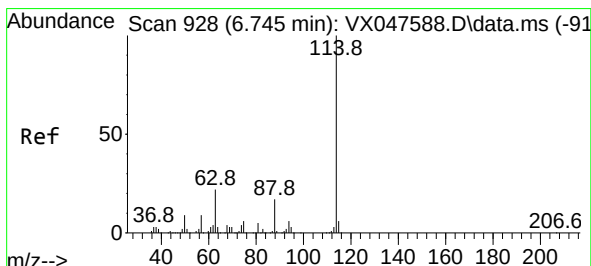
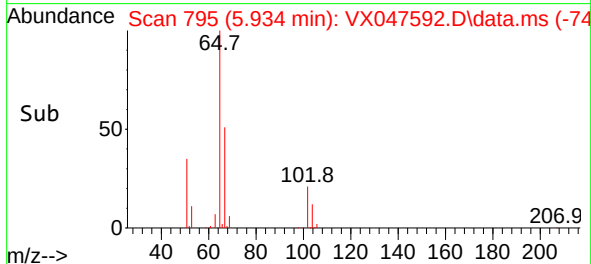
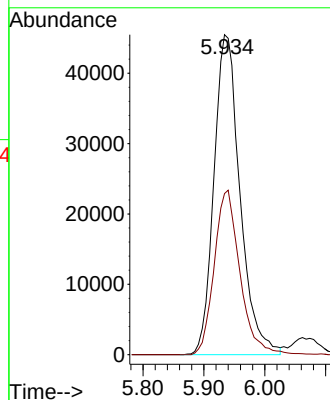
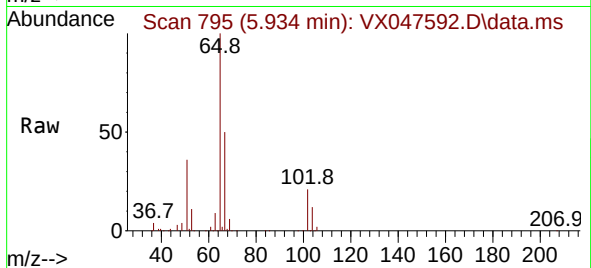
ICVVX091625

Tgt Ion: 65 Resp: 135209

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

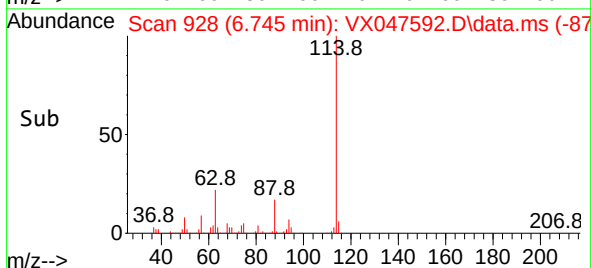
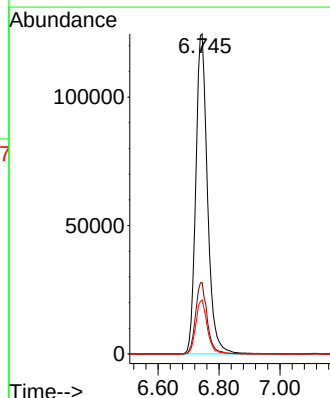
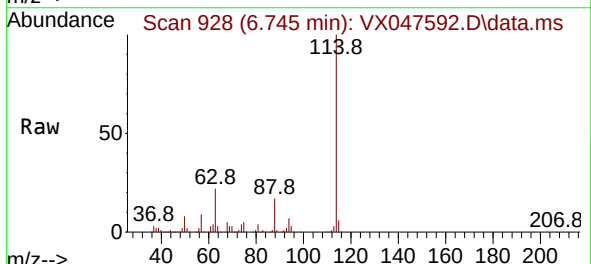
Tgt Ion: 114 Resp: 331837

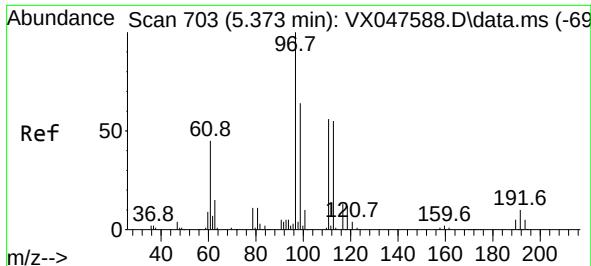
Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.0

88 16.8 0.0 34.2

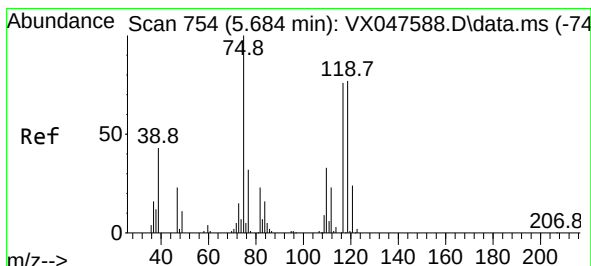
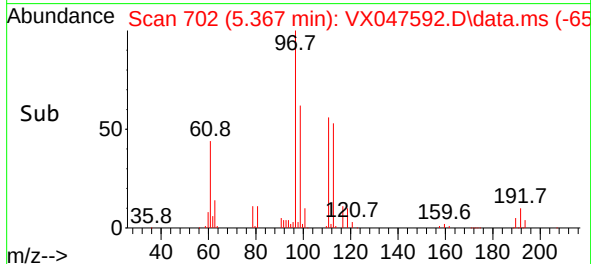
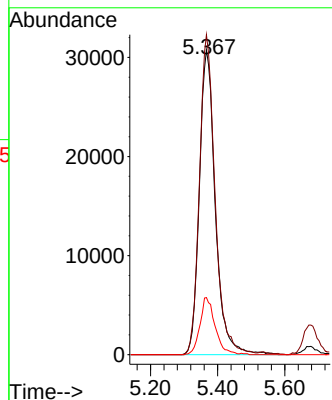
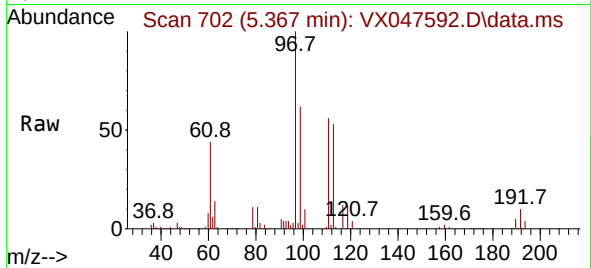




#35
Dibromofluoromethane
Concen: 45.559 ug/l
RT: 5.367 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

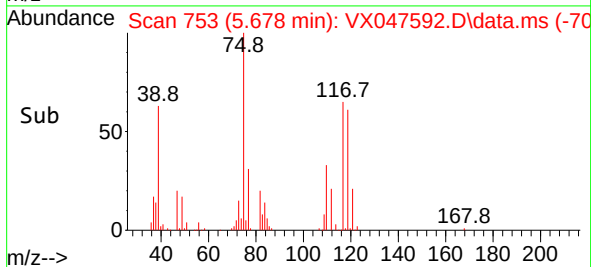
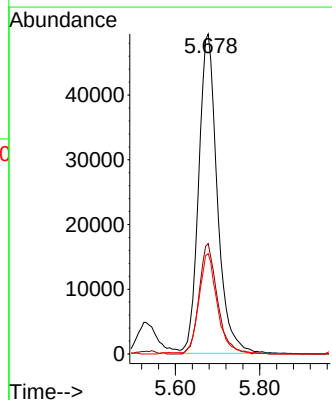
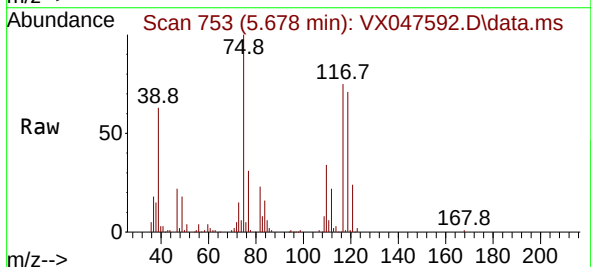
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

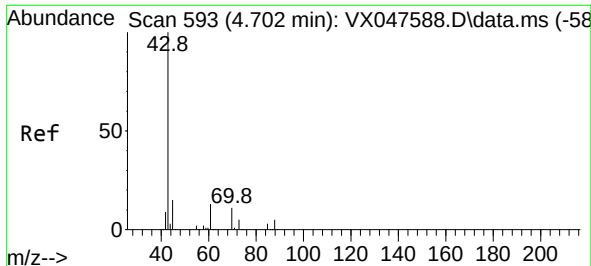
Tgt Ion:113 Resp: 101390
Ion Ratio Lower Upper
113 100
111 103.2 80.9 121.3
192 17.9 14.2 21.4



#36
1,1-Dichloropropene
Concen: 46.663 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 151745
Ion Ratio Lower Upper
75 100
110 33.9 16.7 50.1
77 31.0 24.3 36.5





#37

Ethyl Acetate

Concen: 49.241 ug/l

RT: 4.690 min Scan# 591

Delta R.T. -0.012 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

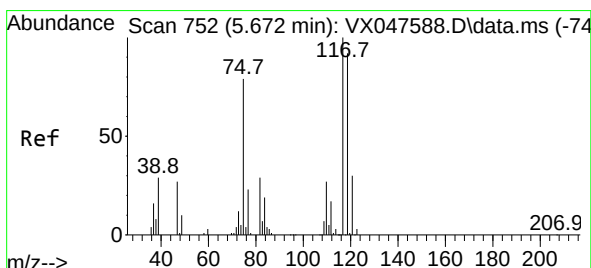
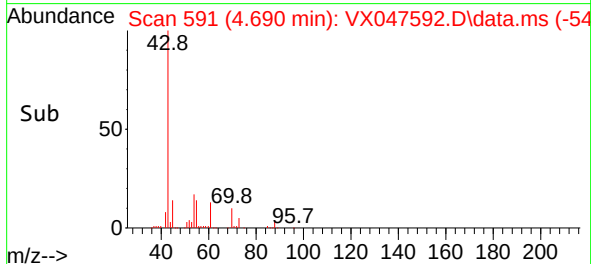
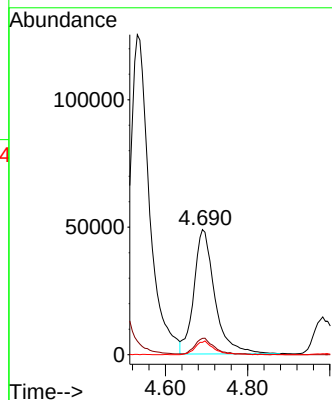
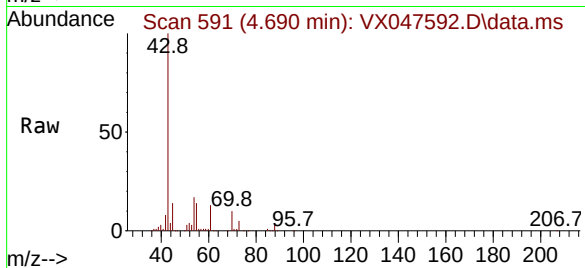
Tgt Ion: 43 Resp: 171454

Ion Ratio Lower Upper

43 100

61 10.8 9.8 14.8

70 9.8 7.9 11.9



#38

Carbon Tetrachloride

Concen: 46.935 ug/l

RT: 5.659 min Scan# 750

Delta R.T. -0.012 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

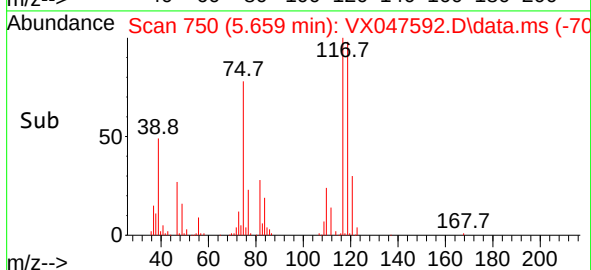
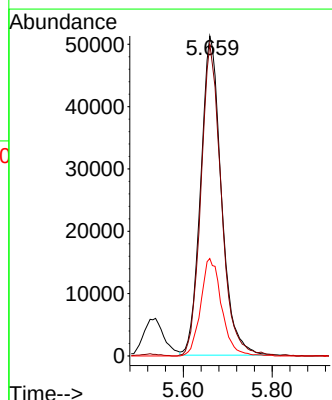
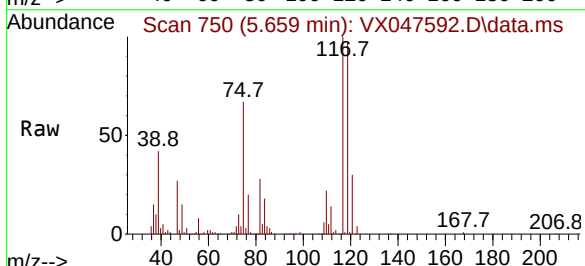
Tgt Ion: 117 Resp: 165834

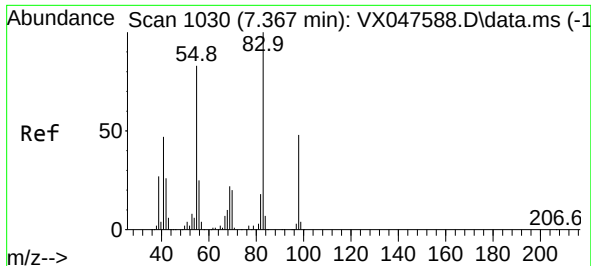
Ion Ratio Lower Upper

117 100

119 97.6 73.4 110.2

121 30.5 23.8 35.6

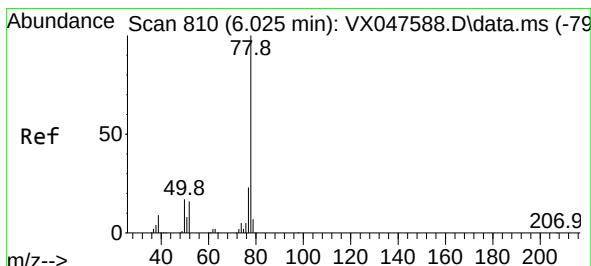
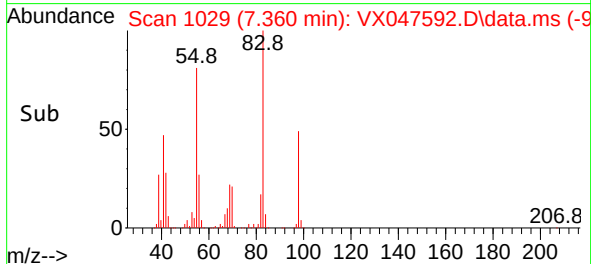
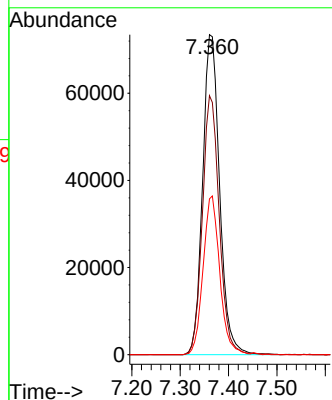
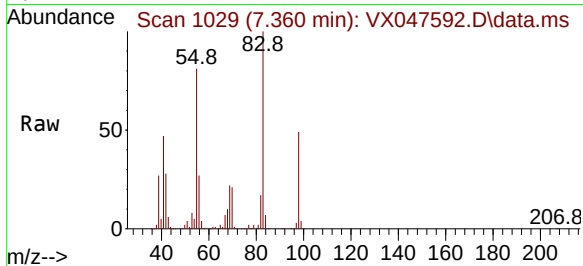




#39
Methylcyclohexane
Concen: 48.597 ug/l
RT: 7.360 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

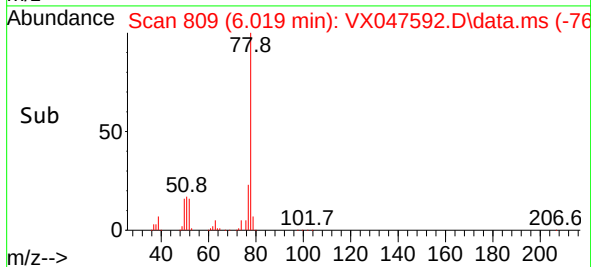
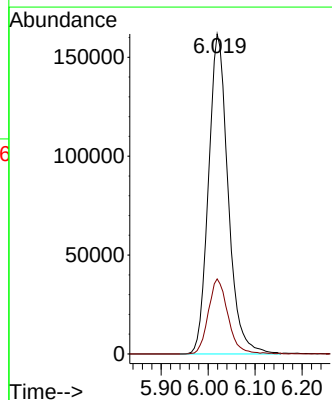
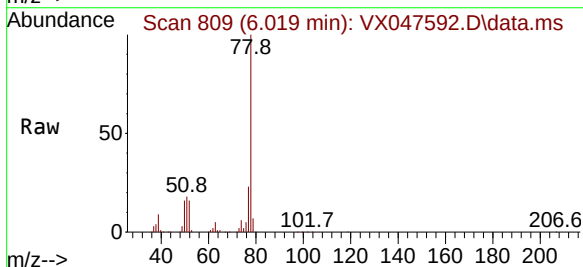
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

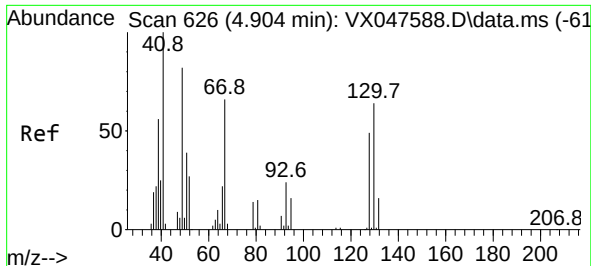
Tgt Ion: 83 Resp: 179392
Ion Ratio Lower Upper
83 100
55 81.0 66.4 99.6
98 48.7 38.1 57.1



#40
Benzene
Concen: 47.357 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

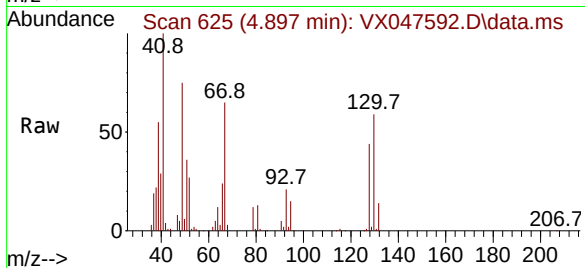
Tgt Ion: 78 Resp: 467748
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



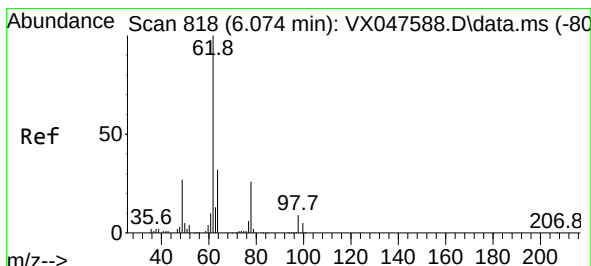
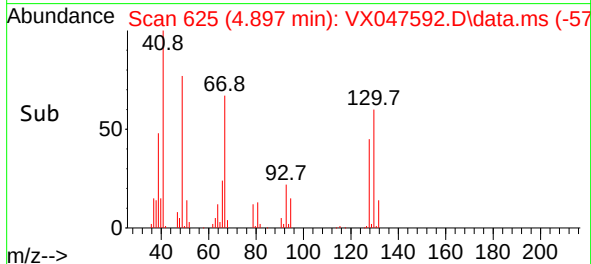
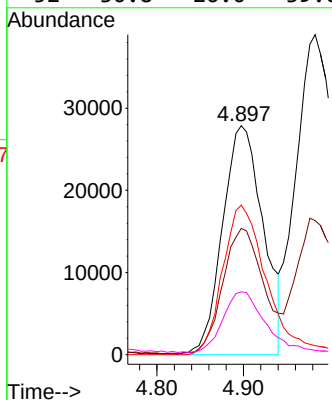


#41
Methacrylonitrile
Concen: 50.490 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

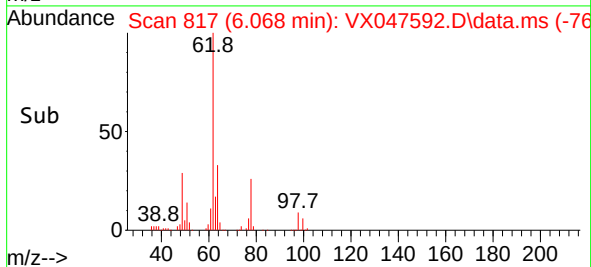
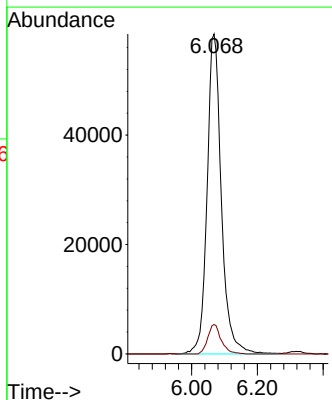
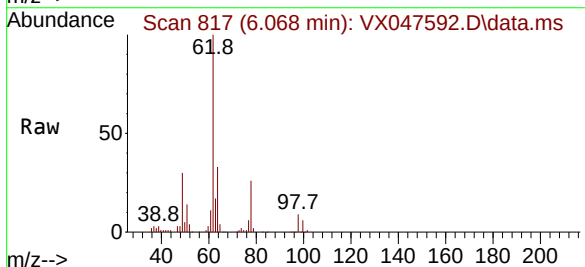


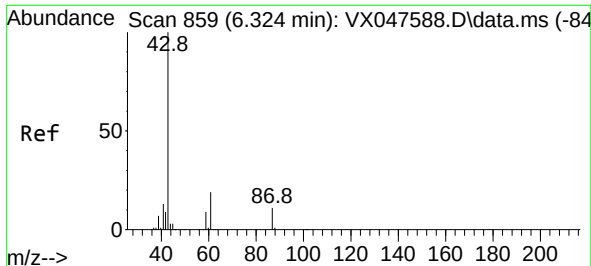
Tgt Ion:	41	Resp:	90758
Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.3	64.9
67	72.5	58.6	87.8
52	30.8	26.0	39.0



#42
1,2-Dichloroethane
Concen: 46.867 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:	62	Resp:	176131
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

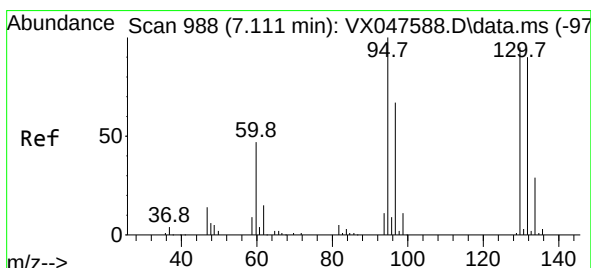
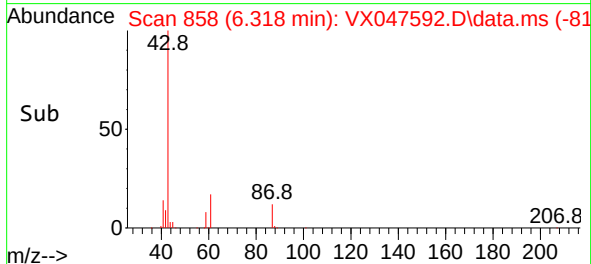
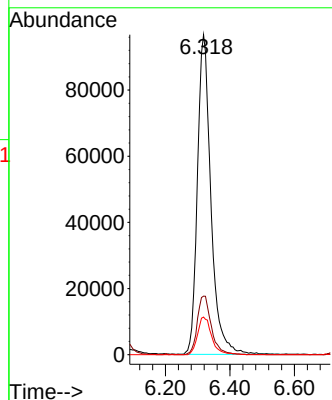
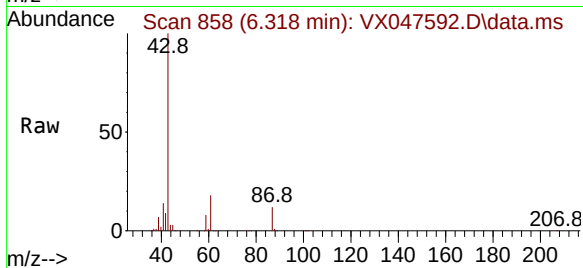




#43
Isopropyl Acetate
Concen: 49.136 ug/l
RT: 6.318 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

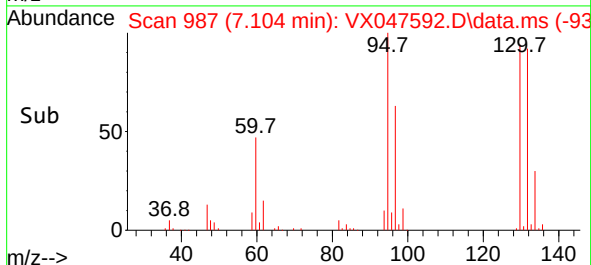
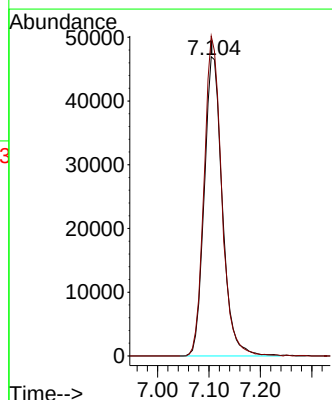
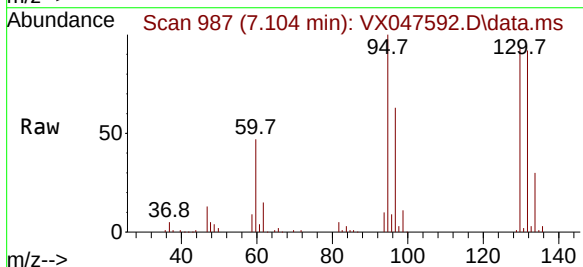
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

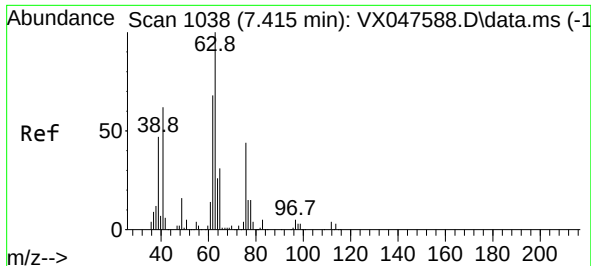
Tgt Ion: 43 Resp: 280595
Ion Ratio Lower Upper
43 100
61 19.1 15.2 22.8
87 12.2 9.6 14.4



#44
Trichloroethene
Concen: 48.037 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:130 Resp: 114708
Ion Ratio Lower Upper
130 100
95 107.0 0.0 210.8





#45

1,2-Dichloropropane

Concen: 48.053 ug/l

RT: 7.409 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

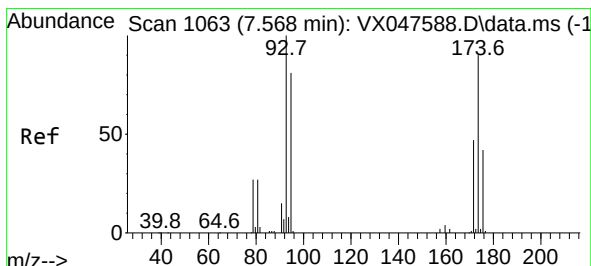
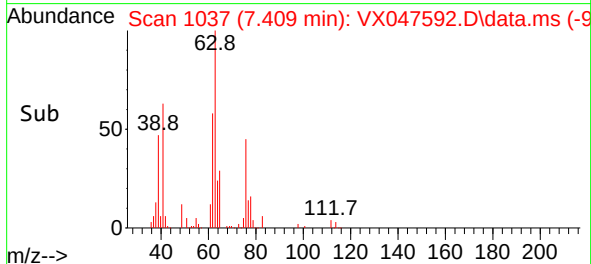
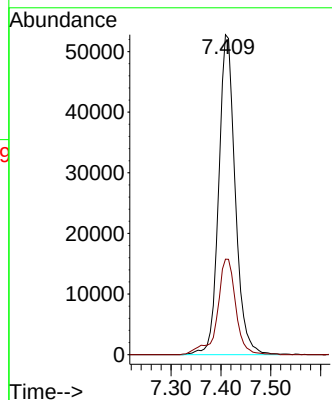
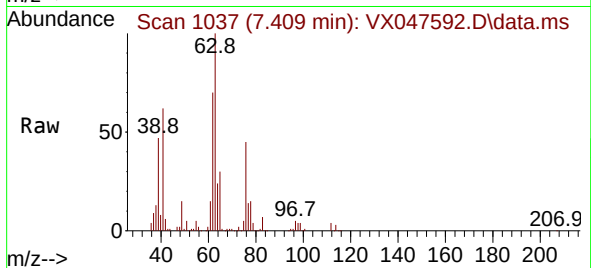
ICVVX091625

Tgt Ion: 63 Resp: 121532

Ion Ratio Lower Upper

63 100

65 29.8 24.7 37.1



#46

Dibromomethane

Concen: 47.976 ug/l

RT: 7.562 min Scan# 1062

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

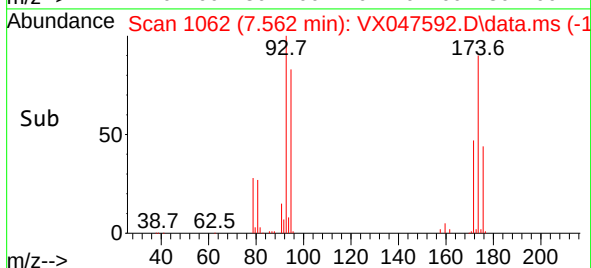
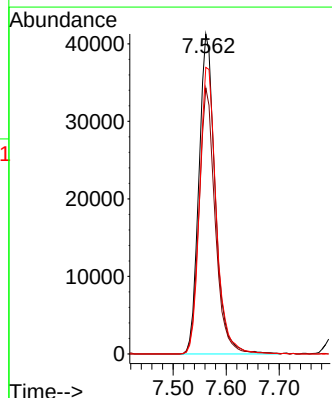
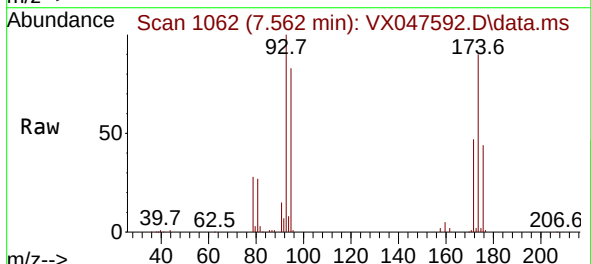
Tgt Ion: 93 Resp: 88297

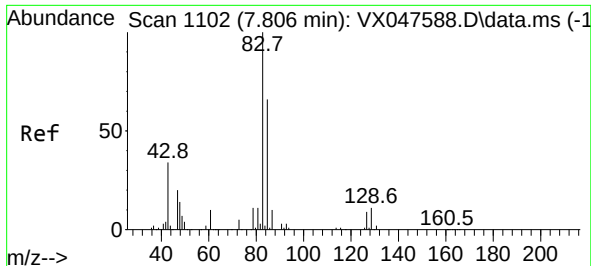
Ion Ratio Lower Upper

93 100

95 82.3 65.0 97.6

174 91.3 71.6 107.4

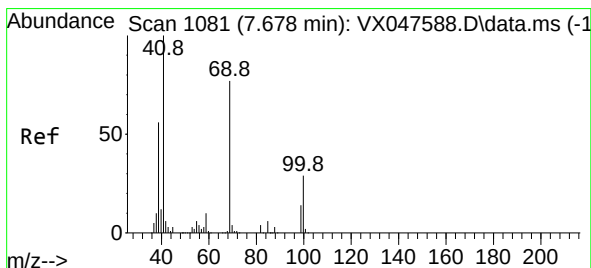
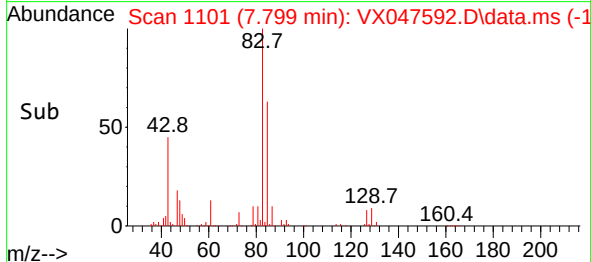
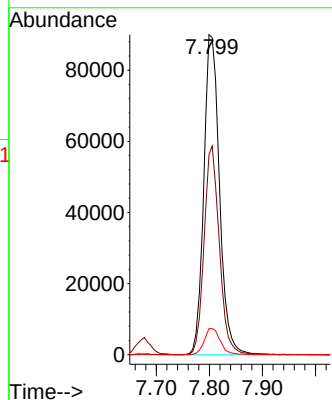
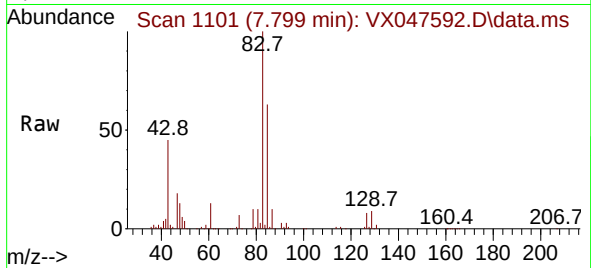




#47
Bromodichloromethane
Concen: 48.769 ug/l
RT: 7.799 min Scan# 1102
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

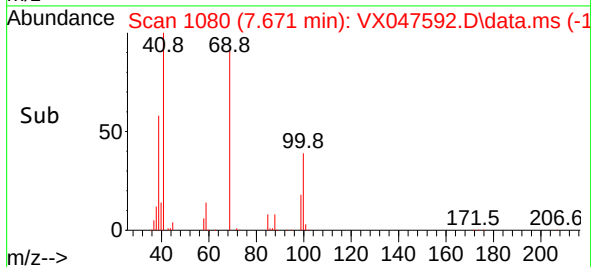
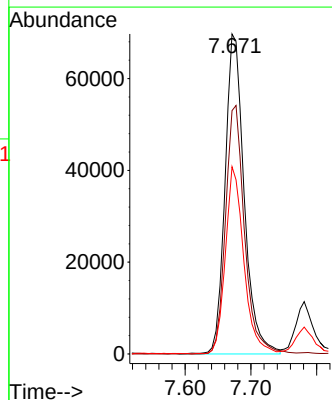
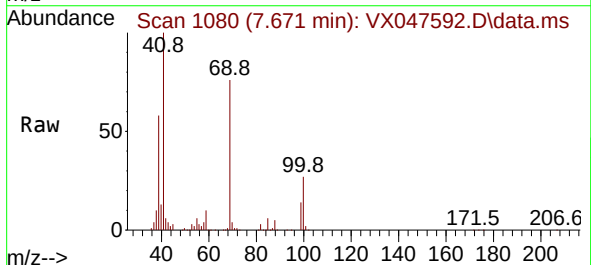
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

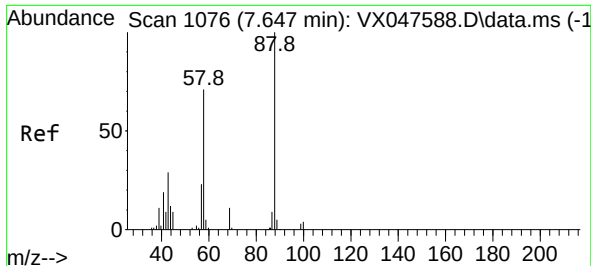
Tgt Ion: 83 Resp: 185219
Ion Ratio Lower Upper
83 100
85 62.5 52.5 78.7
127 8.1 6.9 10.3



#48
Methyl methacrylate
Concen: 49.757 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 141532
Ion Ratio Lower Upper
41 100
69 77.1 61.4 92.2
39 56.4 45.8 68.6





#49

1,4-Dioxane

Concen: 1089.520 ug/l

RT: 7.641 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

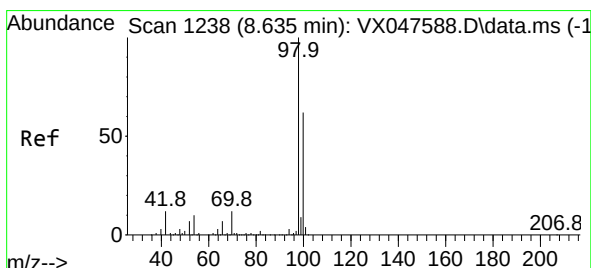
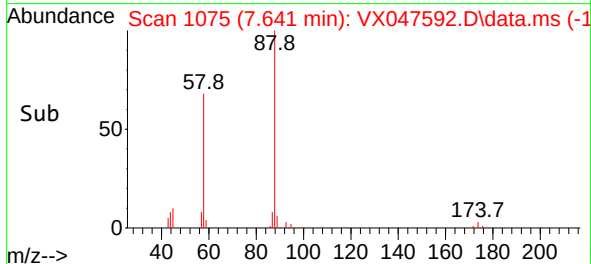
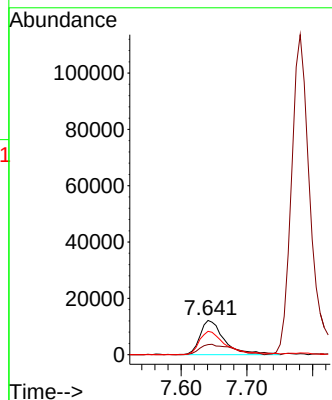
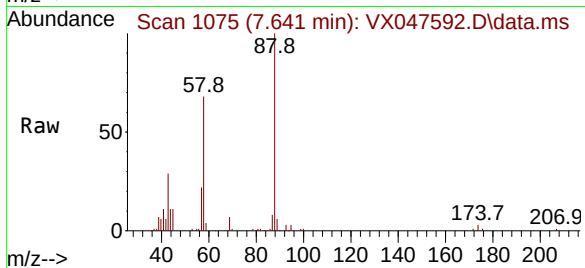
Tgt Ion: 88 Resp: 31320

Ion Ratio Lower Upper

88 100

43 40.9 30.2 45.2

58 74.1 59.5 89.3



#50

Toluene-d8

Concen: 46.411 ug/l

RT: 8.634 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047592.D

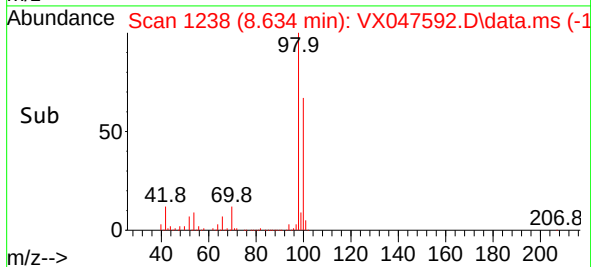
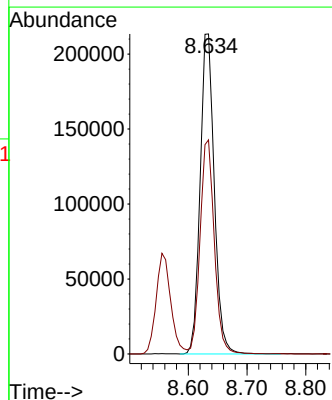
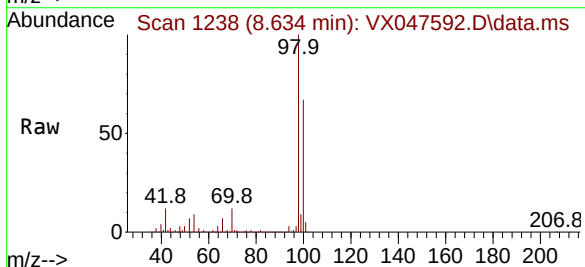
Acq: 16 Sep 2025 13:35

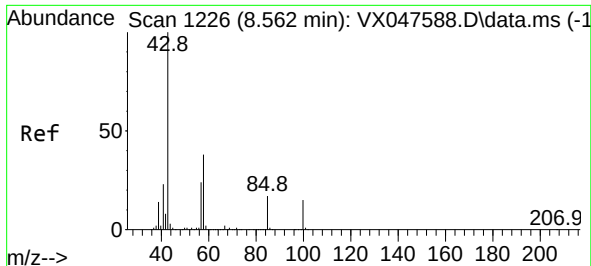
Tgt Ion: 98 Resp: 357393

Ion Ratio Lower Upper

98 100

100 67.2 53.0 79.4

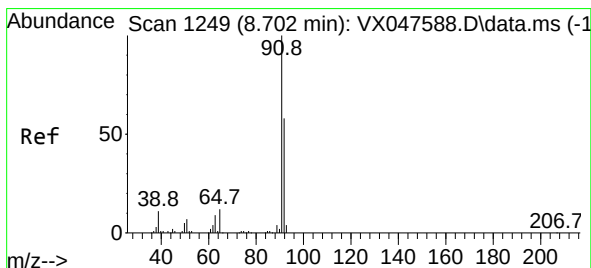
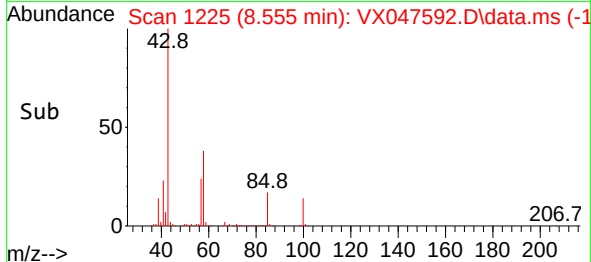
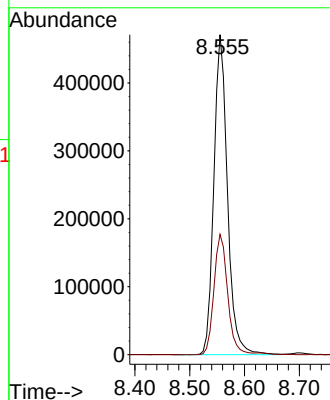
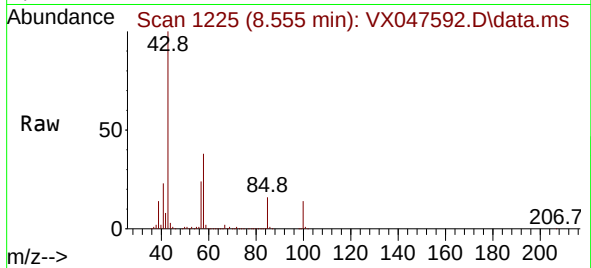




#51
4-Methyl-2-Pentanone
Concen: 255.752 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

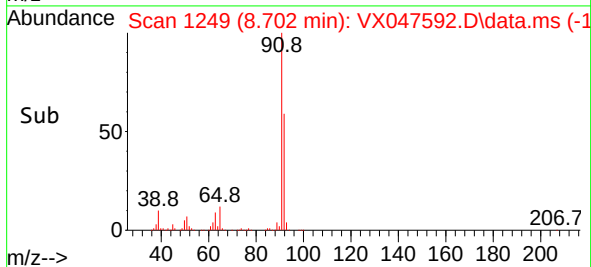
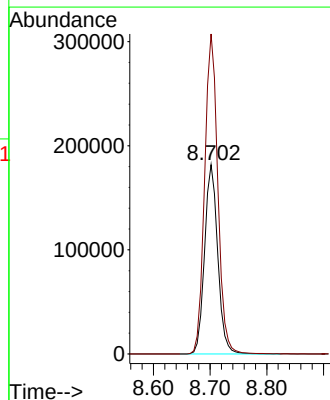
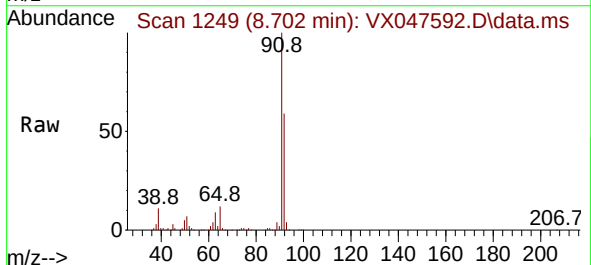
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

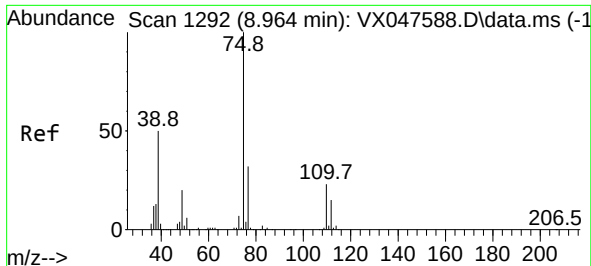
Tgt Ion: 43 Resp: 809759
Ion Ratio Lower Upper
43 100
58 37.9 30.3 45.5



#52
Toluene
Concen: 48.130 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 92 Resp: 292879
Ion Ratio Lower Upper
92 100
91 169.4 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 49.527 ug/l

RT: 8.964 min Scan# 1191

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

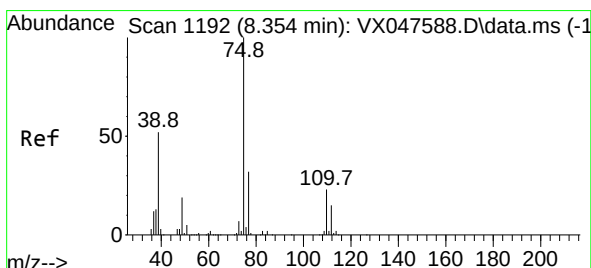
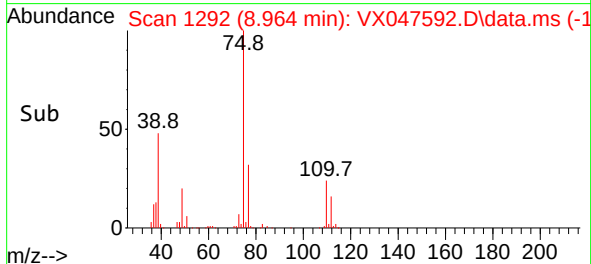
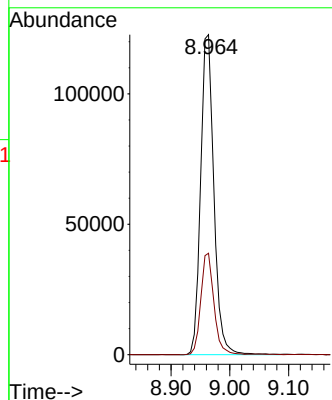
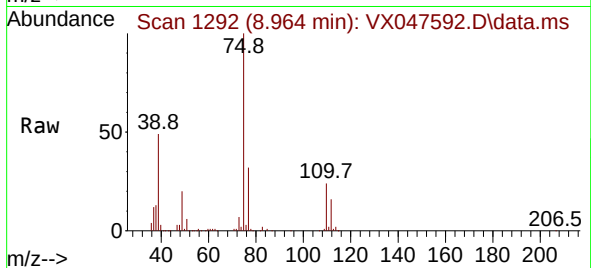
ICVVX091625

Tgt Ion: 75 Resp: 191863

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 49.257 ug/l

RT: 8.348 min Scan# 1191

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

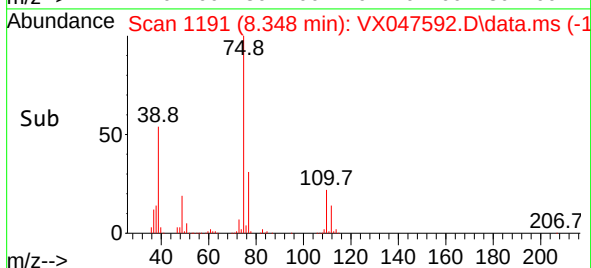
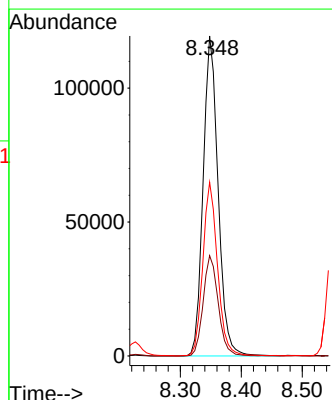
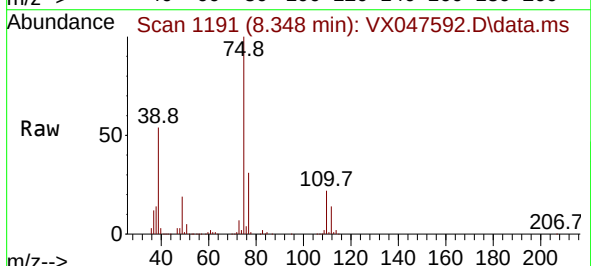
Tgt Ion: 75 Resp: 203954

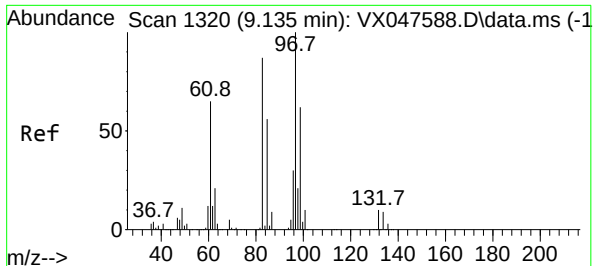
Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6

39 54.2 41.4 62.2



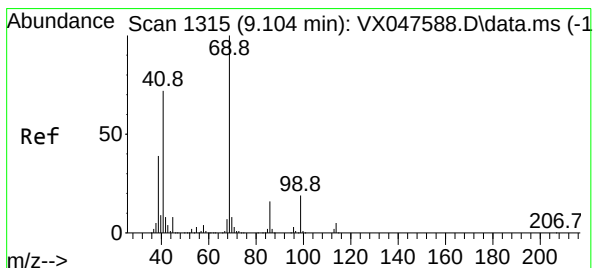
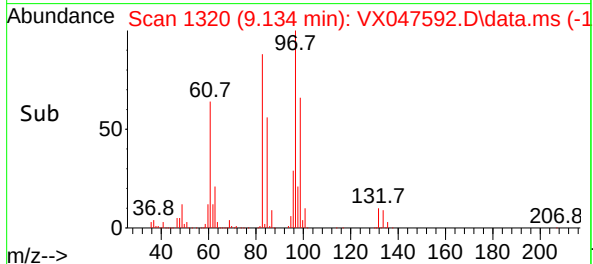
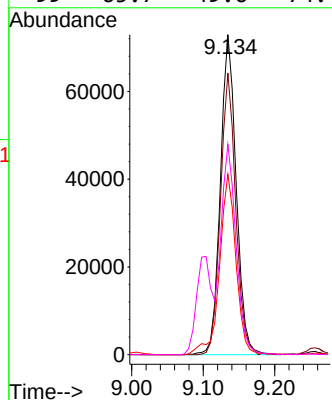
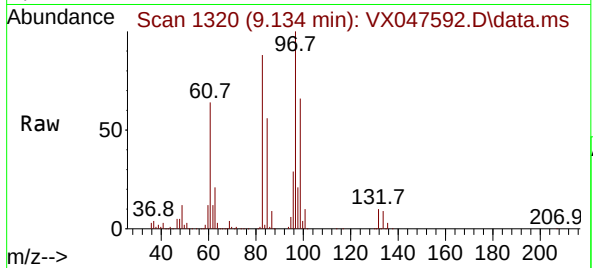


#55
1,1,2-Trichloroethane
Concen: 47.772 ug/l
RT: 9.134 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 97 Resp: 112094

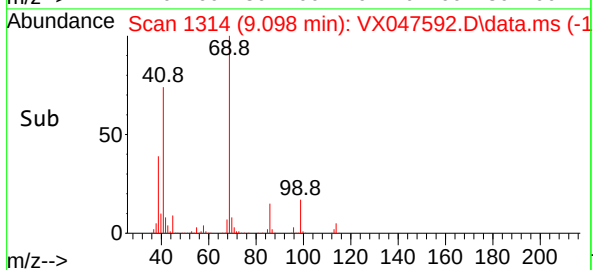
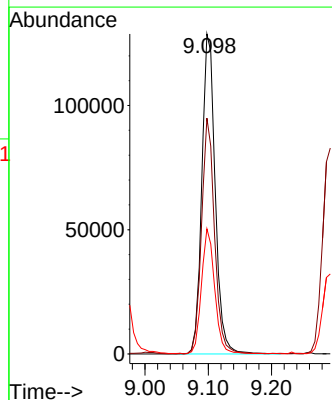
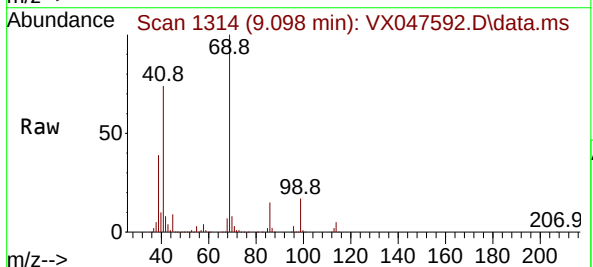
Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.6	104.4
85	56.4	45.0	67.6
99	65.7	49.6	74.4

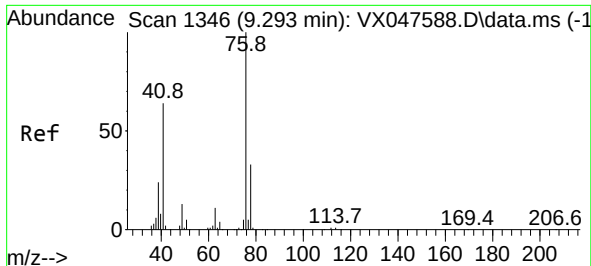


#56
Ethyl methacrylate
Concen: 51.490 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 69 Resp: 189741

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3

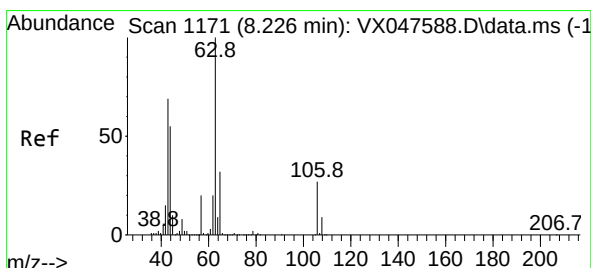
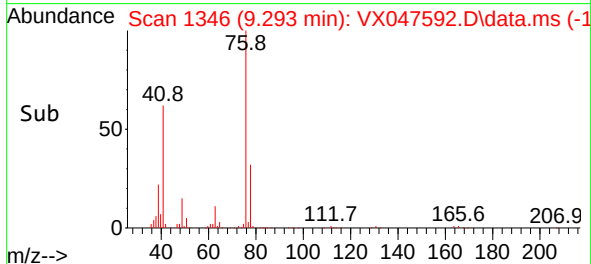
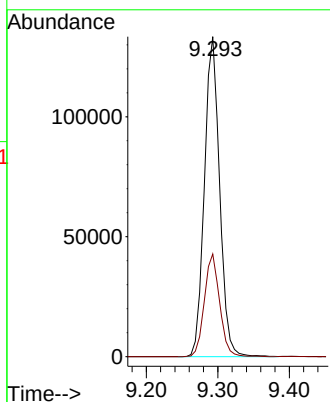
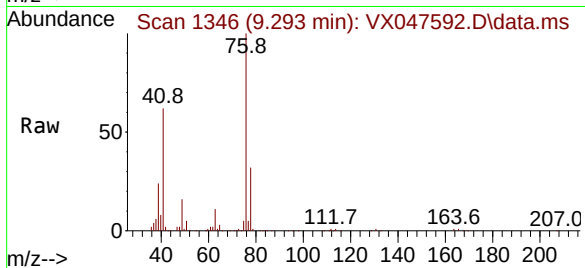




#57
1,3-Dichloropropane
Concen: 48.894 ug/l
RT: 9.293 min Scan# 11346
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

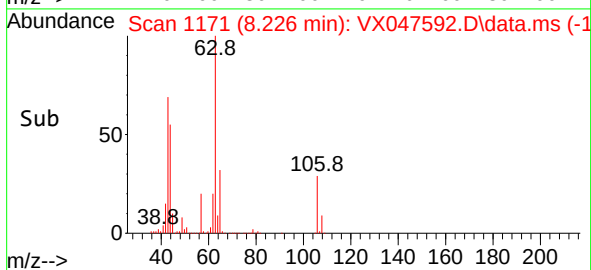
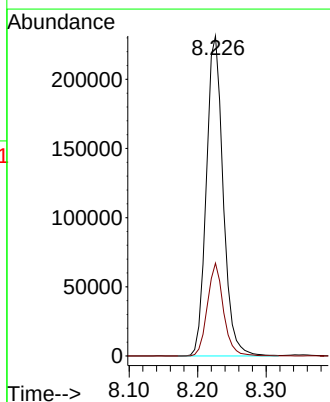
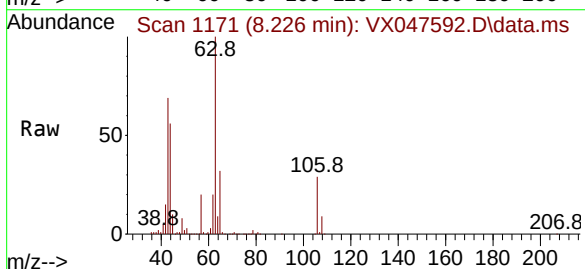
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

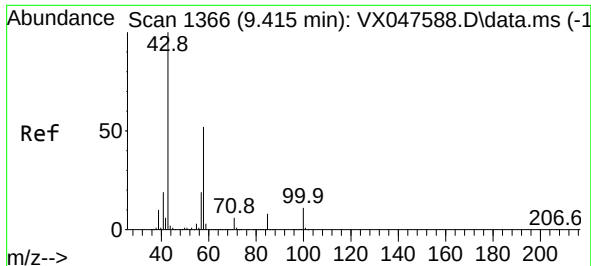
Tgt Ion: 76 Resp: 197079
Ion Ratio Lower Upper
76 100
78 32.2 26.2 39.4



#58
2-Chloroethyl Vinyl ether
Concen: 225.562 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 394205
Ion Ratio Lower Upper
63 100
106 27.8 21.9 32.9





#59

2-Hexanone

Concen: 253.126 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

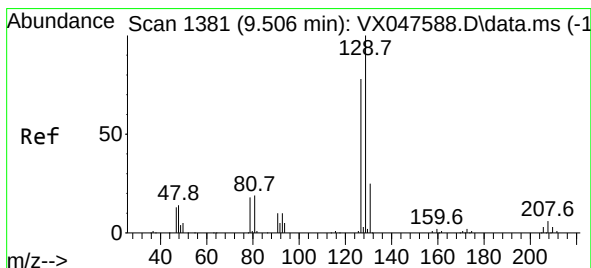
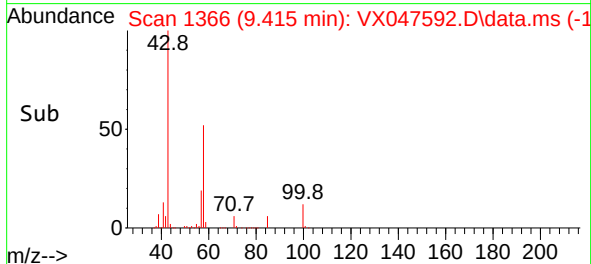
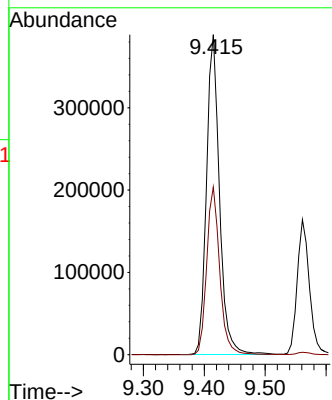
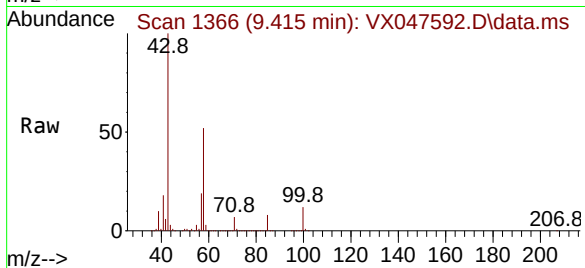
ICVVX091625

Tgt Ion: 43 Resp: 575599

Ion Ratio Lower Upper

43 100

58 52.6 26.1 78.2



#60

Dibromochloromethane

Concen: 49.824 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VX047592.D

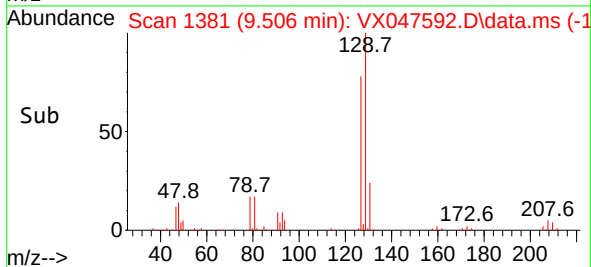
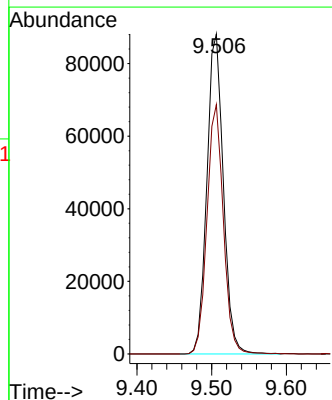
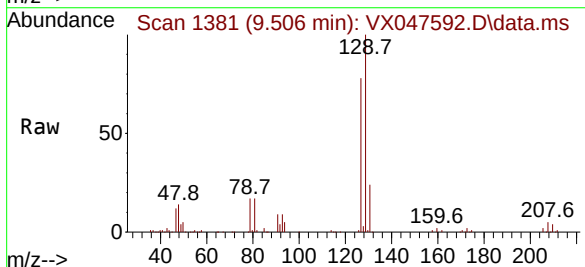
Acq: 16 Sep 2025 13:35

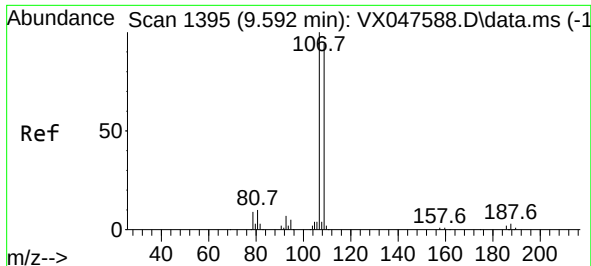
Tgt Ion: 129 Resp: 134704

Ion Ratio Lower Upper

129 100

127 77.8 38.4 115.2

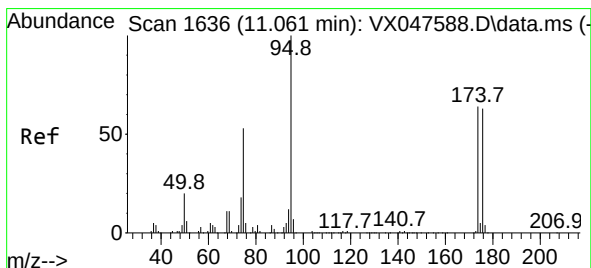
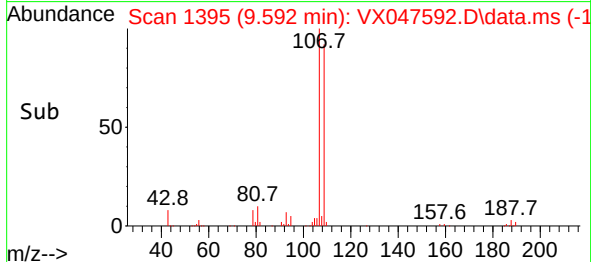
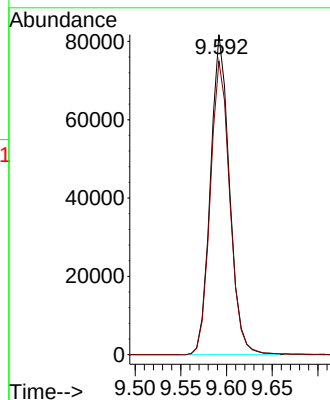
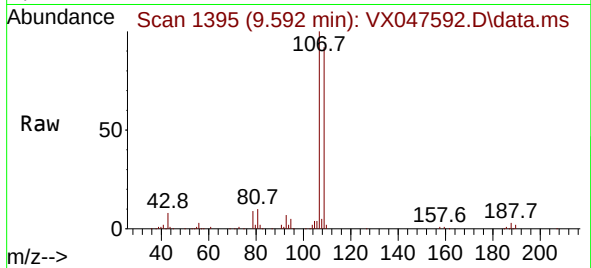




#61
1,2-Dibromoethane
Concen: 49.297 ug/l
RT: 9.592 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

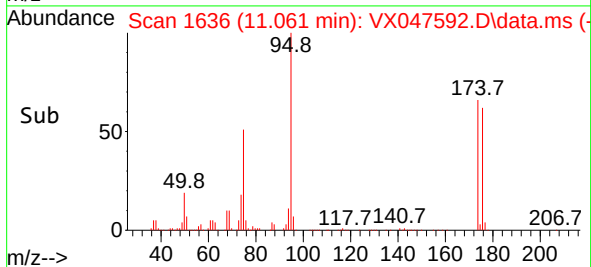
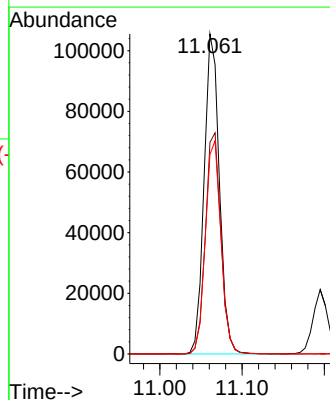
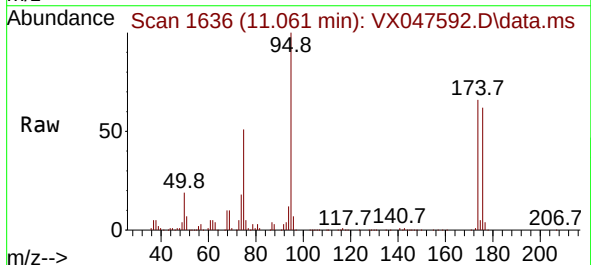
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

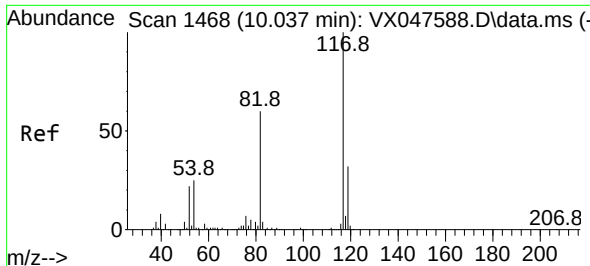
Tgt Ion:107 Resp: 117817
Ion Ratio Lower Upper
107 100
109 94.6 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 46.520 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 95 Resp: 135957
Ion Ratio Lower Upper
95 100
174 70.3 0.0 141.6
176 68.0 0.0 138.4

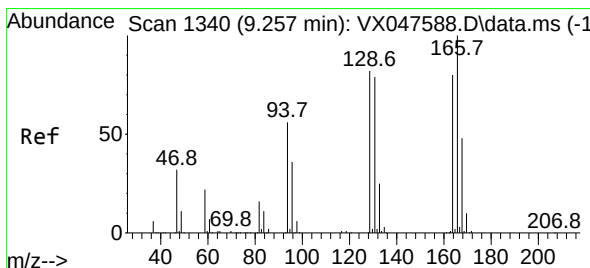
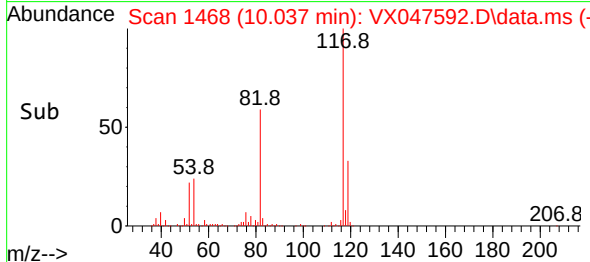
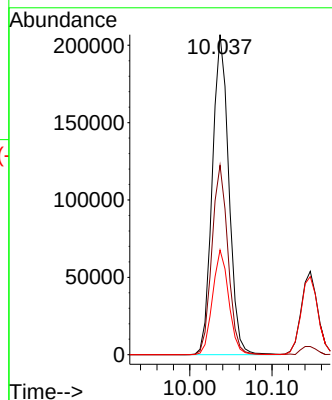
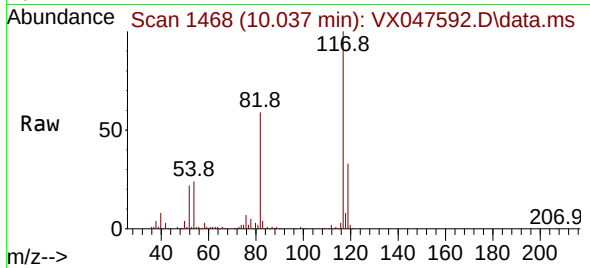




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

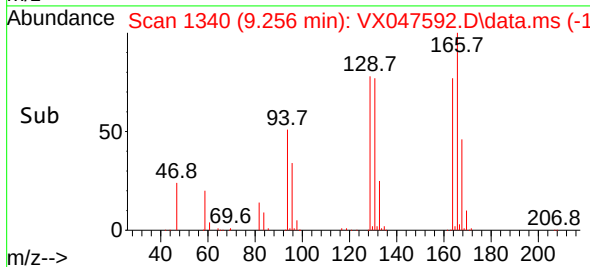
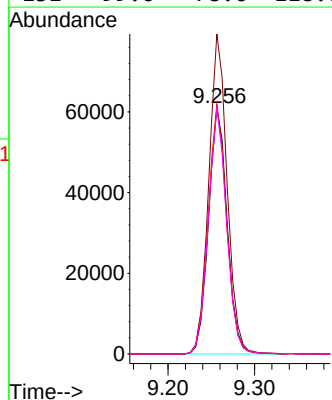
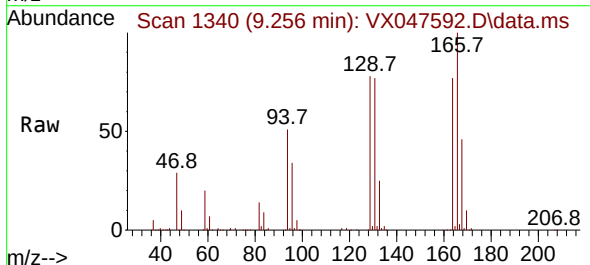
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

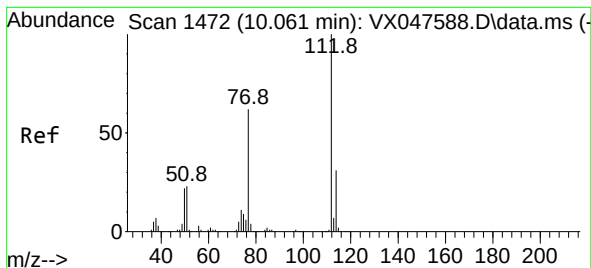
Tgt Ion:	117	Resp:	288660
Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.8	71.6
119	32.7	25.2	37.8



#64
Tetrachloroethene
Concen: 48.296 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:	164	Resp:	90881
Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.2	150.2
129	101.3	81.8	122.6
131	99.6	78.6	118.0

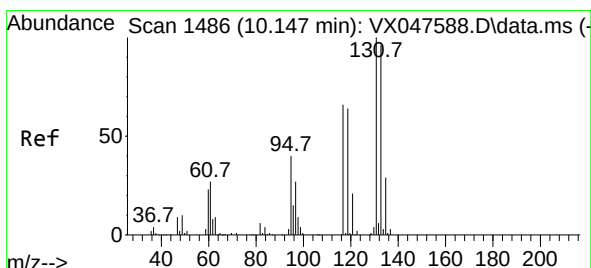
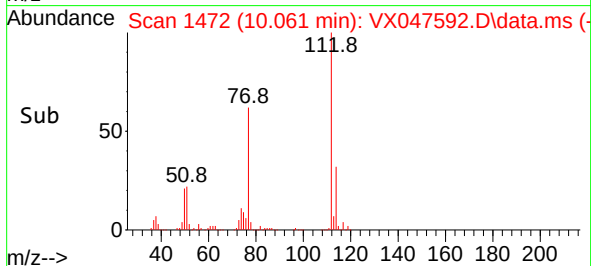
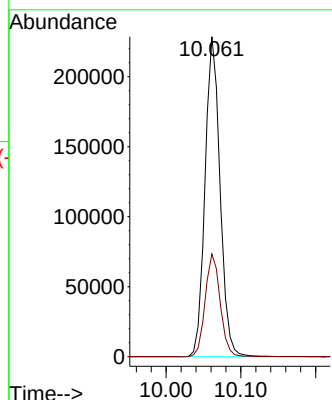
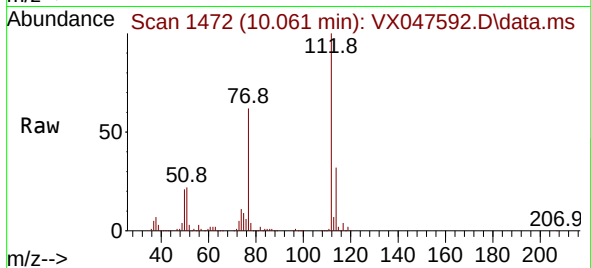




#65
Chlorobenzene
Concen: 48.549 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

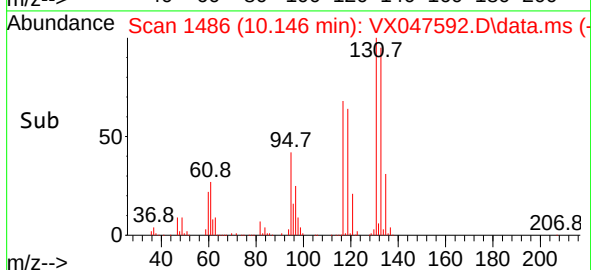
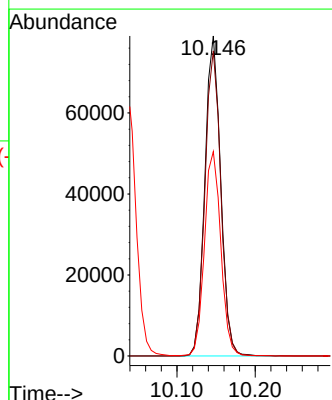
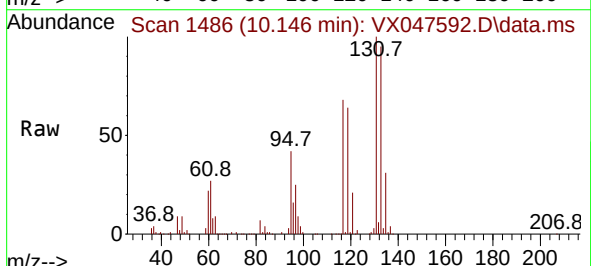
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

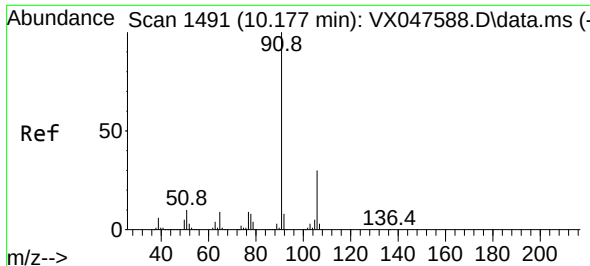
Tgt Ion:112 Resp: 318372
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 48.794 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:131 Resp: 110416
Ion Ratio Lower Upper
131 100
133 96.3 47.3 142.0
119 66.3 32.0 96.0

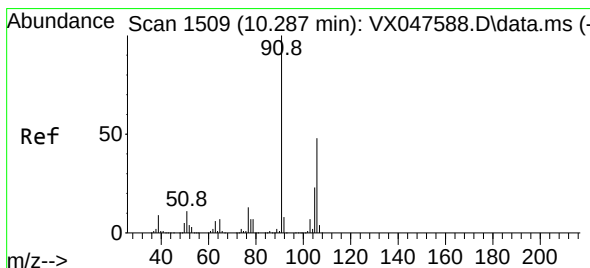
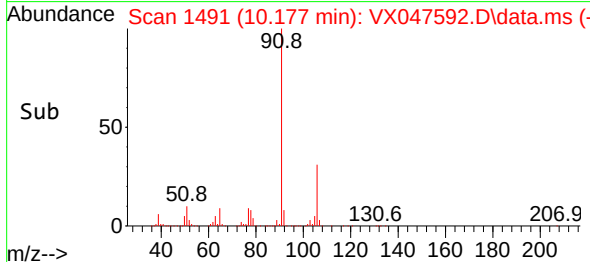
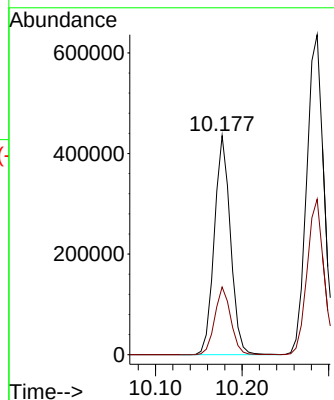
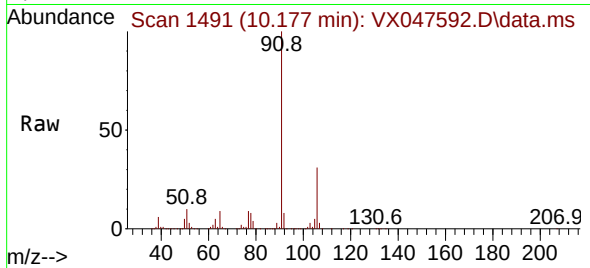




#67
Ethyl Benzene
Concen: 49.813 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

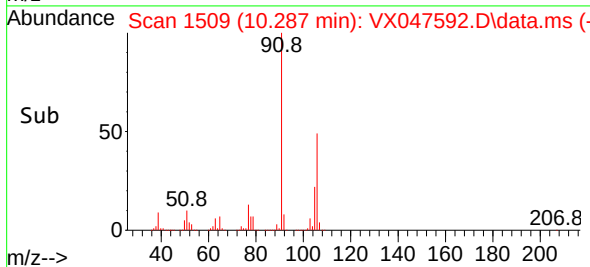
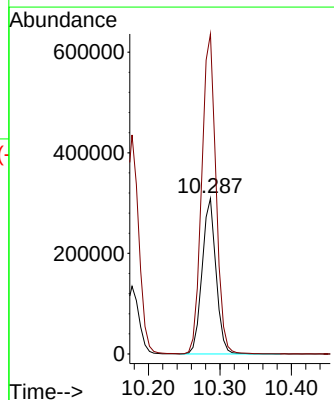
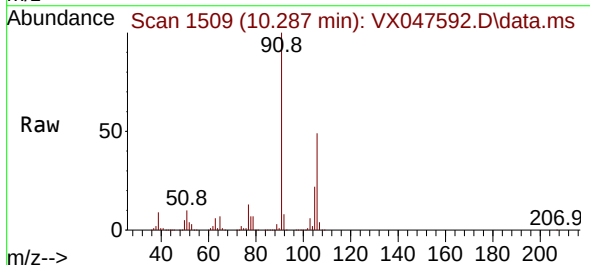
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

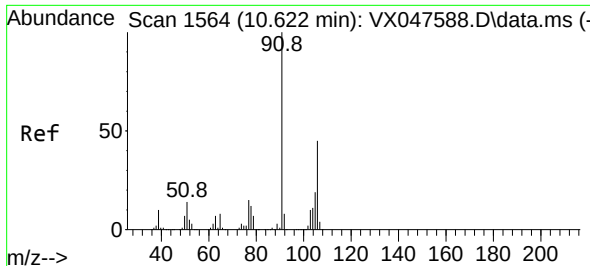
Tgt Ion: 91 Resp: 563634
Ion Ratio Lower Upper
91 100
106 30.9 24.3 36.5



#68
m/p-Xylenes
Concen: 98.956 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:106 Resp: 416757
Ion Ratio Lower Upper
106 100
91 211.1 167.8 251.8

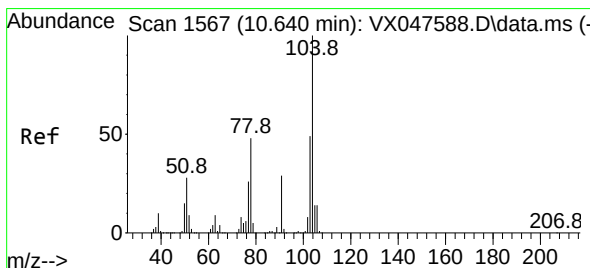
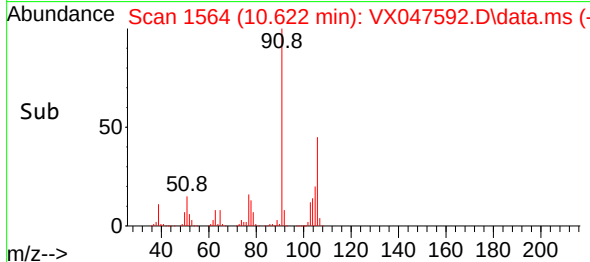
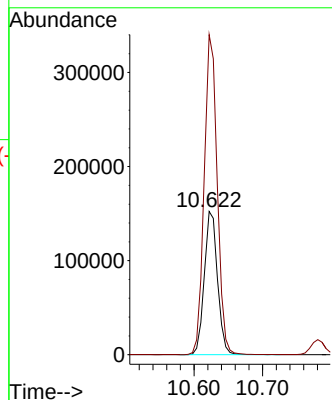
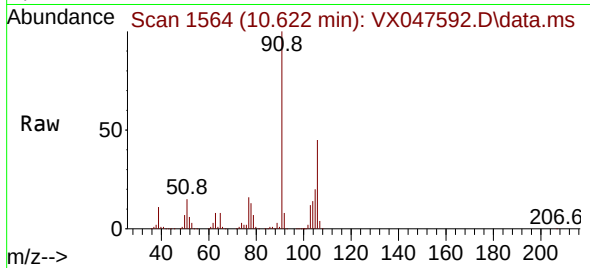




#69
o-Xylene
Concen: 50.159 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

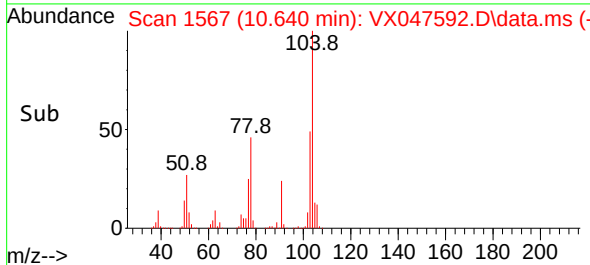
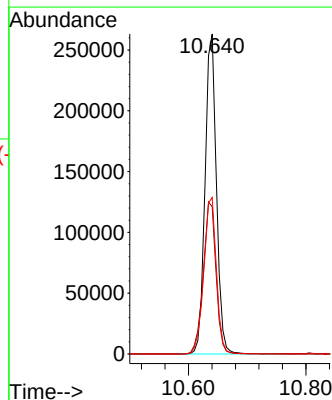
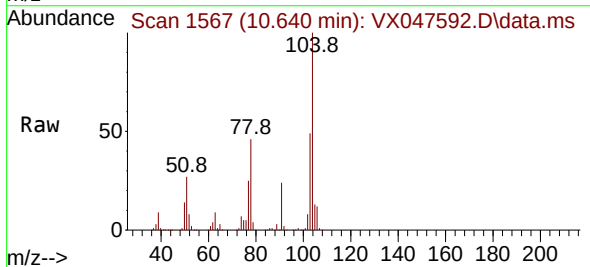
Instrument : MSVOA_X
ClientSampleId : ICVVX091625

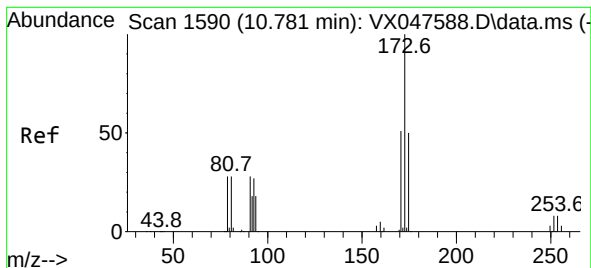
Tgt Ion:106 Resp: 204323
Ion Ratio Lower Upper
106 100
91 221.0 111.1 333.4



#70
Styrene
Concen: 49.536 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:104 Resp: 353567
Ion Ratio Lower Upper
104 100
78 53.4 43.1 64.7
103 54.3 43.1 64.7





#71

Bromoform

Concen: 51.207 ug/l

RT: 10.780 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

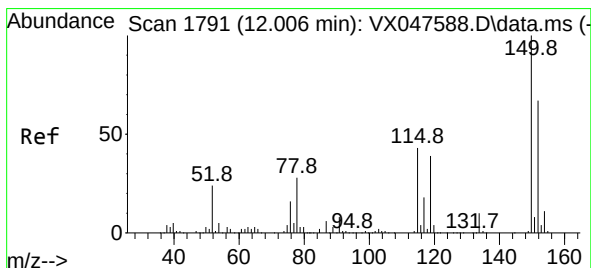
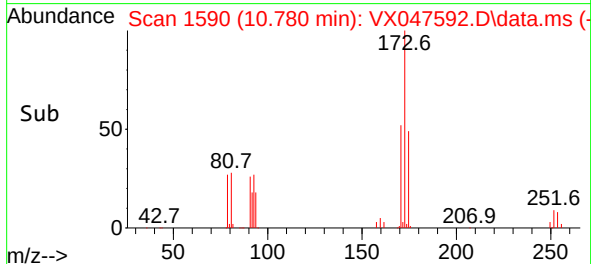
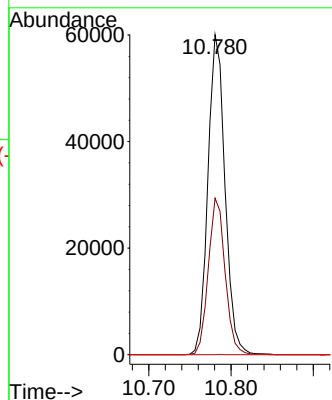
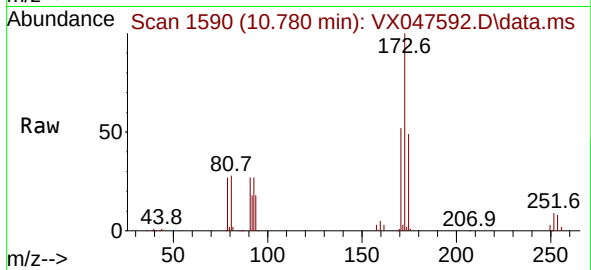
Tgt Ion:173 Resp: 86524

Ion Ratio Lower Upper

173 100

175 48.2 24.9 74.6

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

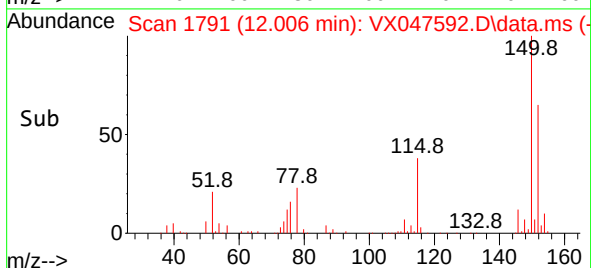
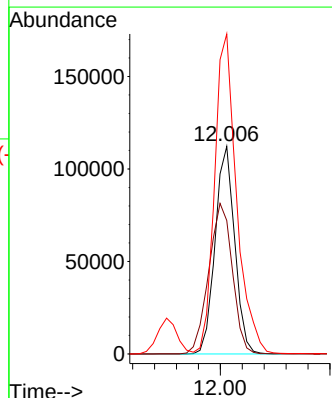
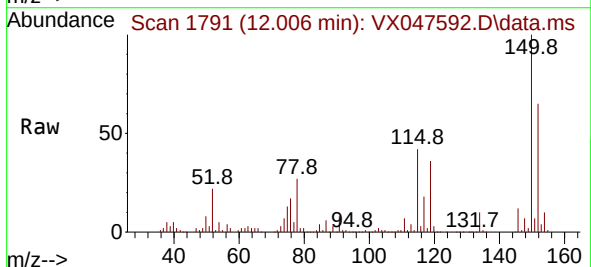
Tgt Ion:152 Resp: 139252

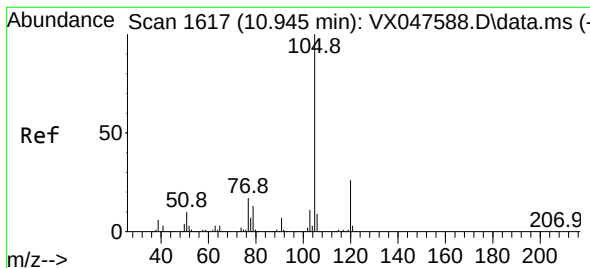
Ion Ratio Lower Upper

152 100

115 87.5 44.9 134.5

150 173.5 0.0 352.0





#73

Isopropylbenzene

Concen: 49.479 ug/l

RT: 10.945 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

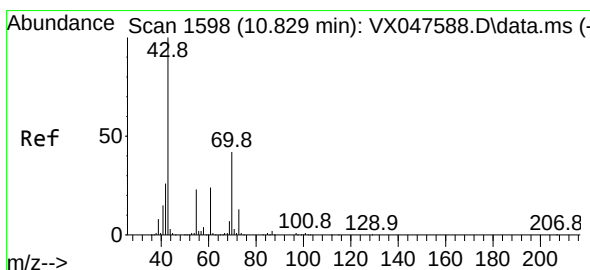
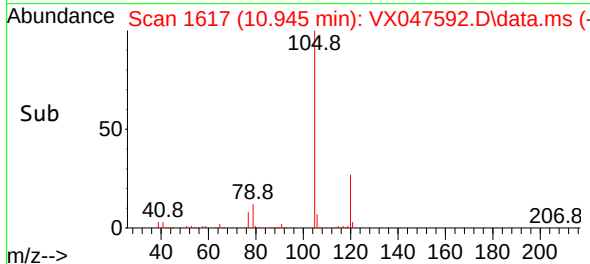
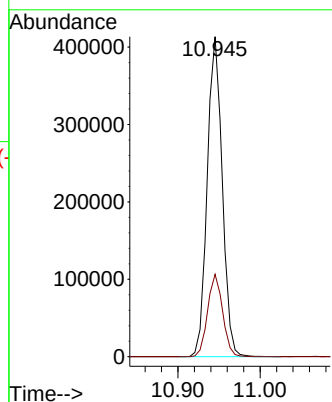
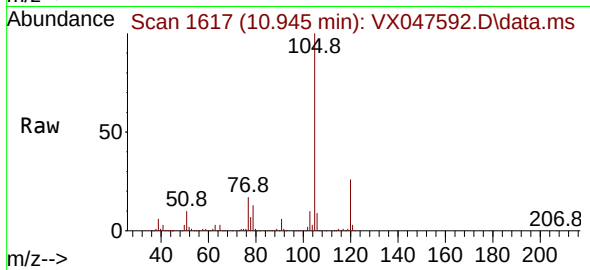
ICVVX091625

Tgt Ion:105 Resp: 523826

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.4



#74

N-ethyl acetate

Concen: 50.375 ug/l

RT: 10.823 min Scan# 1597

Delta R.T. -0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 243198

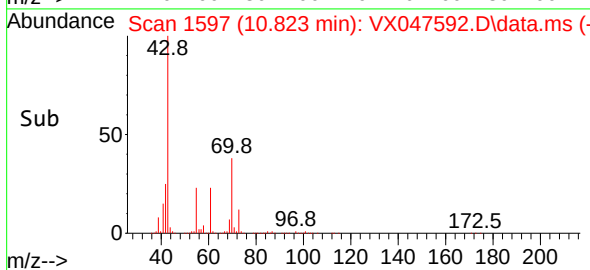
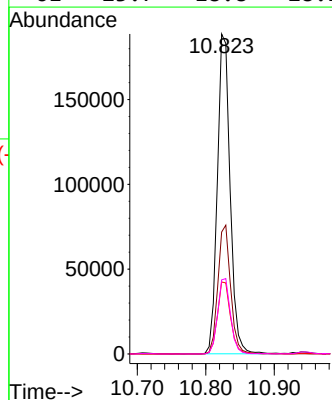
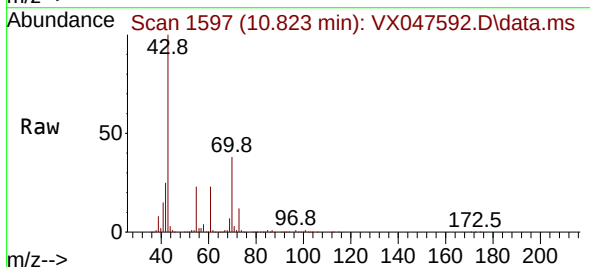
Ion Ratio Lower Upper

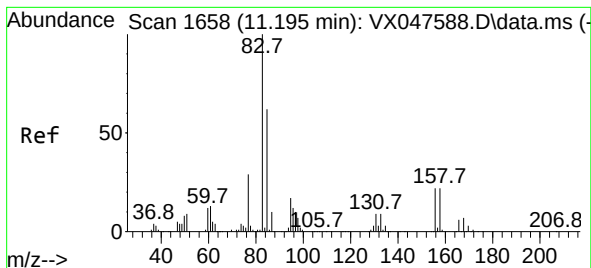
43 100

70 40.2 32.0 48.0

55 23.2 18.9 28.3

61 23.7 18.8 28.2





#75

1,1,2-Tetrachloroethane

Concen: 49.851 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

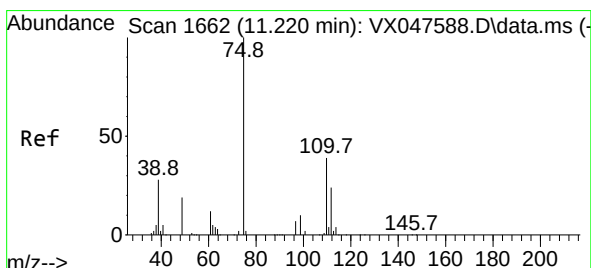
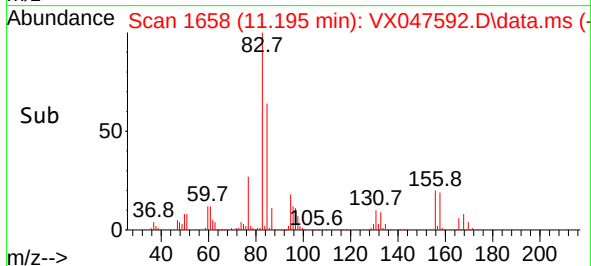
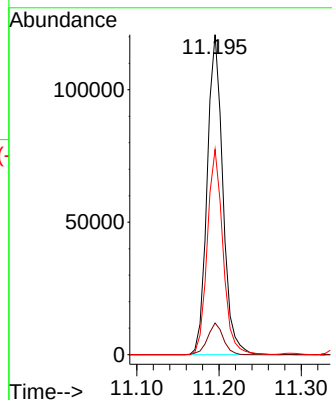
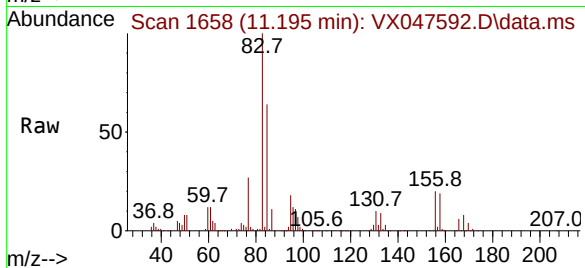
Tgt Ion: 83 Resp: 159676

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

85 64.2 31.6 95.0



#76

1,2,3-Trichloropropane

Concen: 65.262 ug/l

RT: 11.219 min Scan# 1662

Delta R.T. -0.000 min

Lab File: VX047592.D

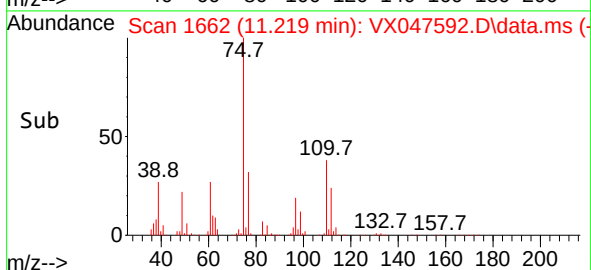
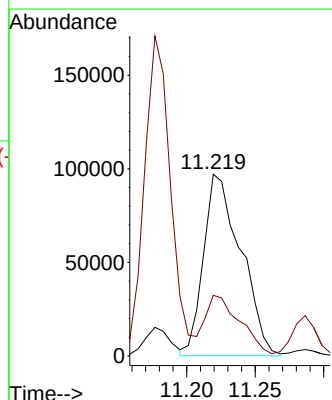
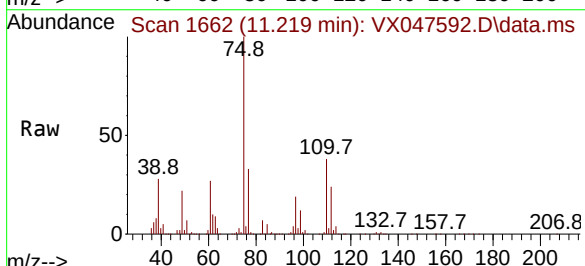
Acq: 16 Sep 2025 13:35

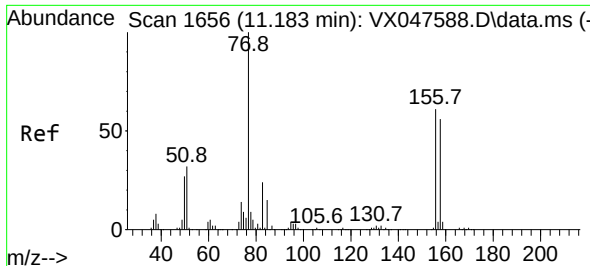
Tgt Ion: 75 Resp: 184000

Ion Ratio Lower Upper

75 100

77 30.9 18.8 56.4

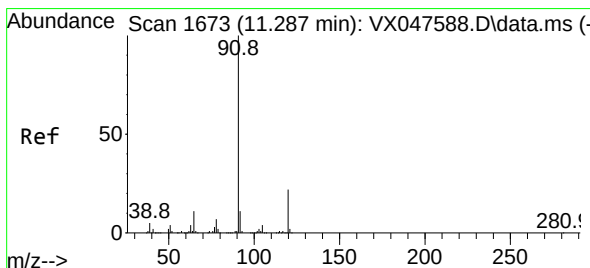
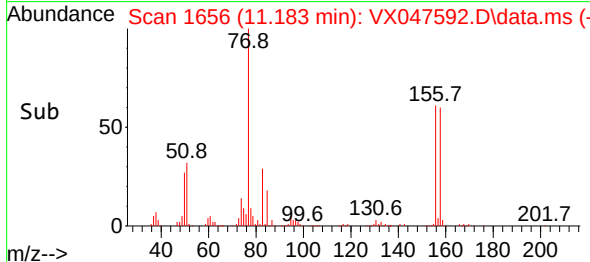
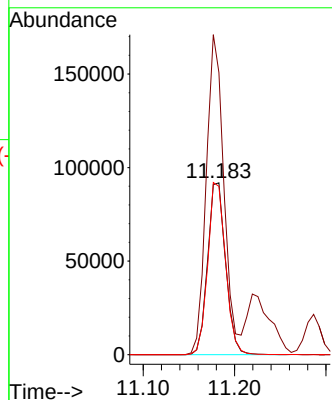
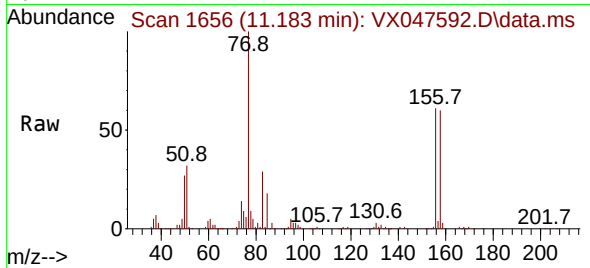




#77
Bromobenzene
Concen: 48.173 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

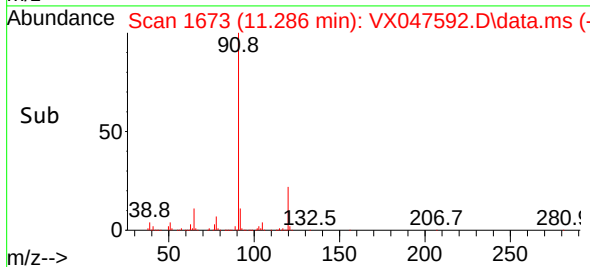
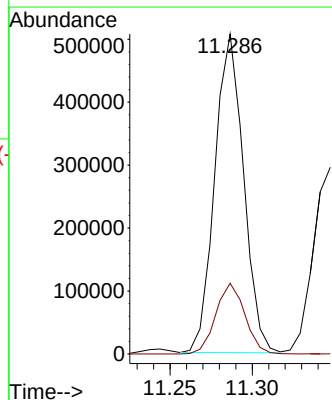
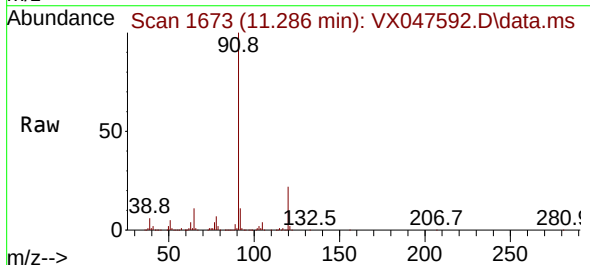
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

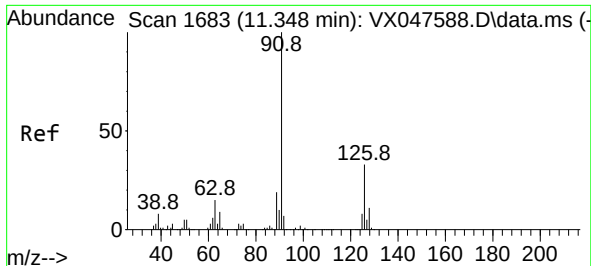
Tgt Ion:156 Resp: 125610
Ion Ratio Lower Upper
156 100
77 182.2 89.7 269.1
158 99.0 47.9 143.6



#78
n-propylbenzene
Concen: 49.295 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 616928
Ion Ratio Lower Upper
91 100
120 22.4 11.1 33.1

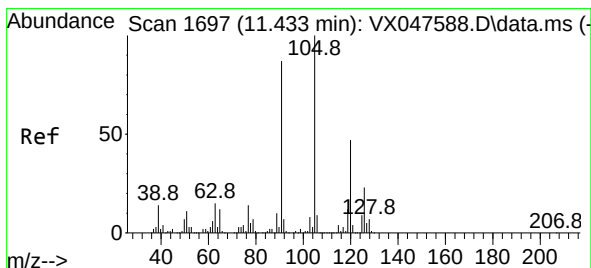
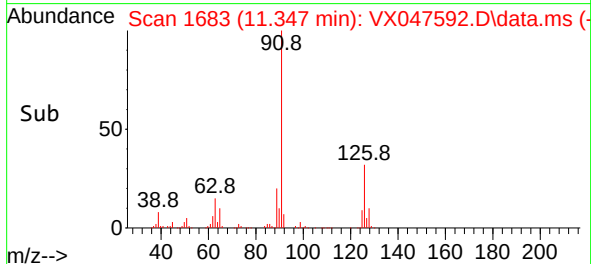
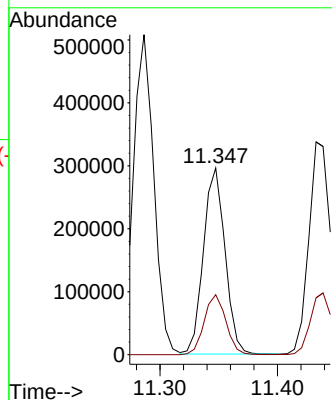
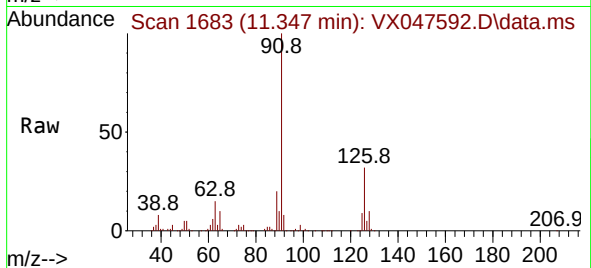




#79
2-Chlorotoluene
Concen: 49.117 ug/l
RT: 11.347 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

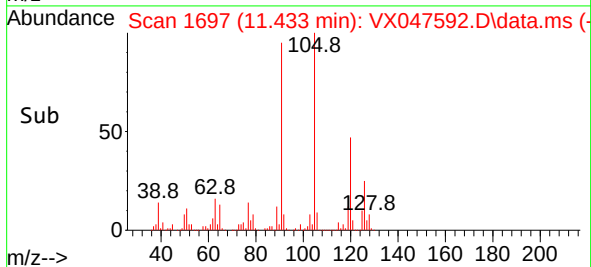
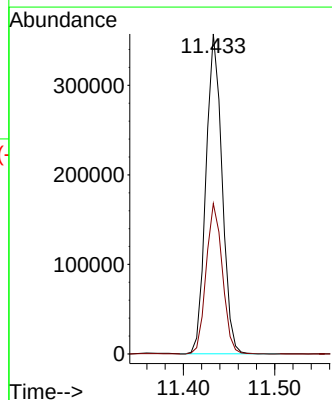
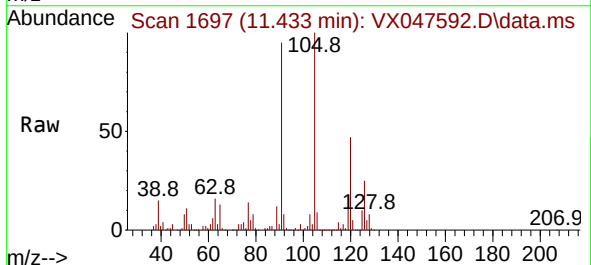
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

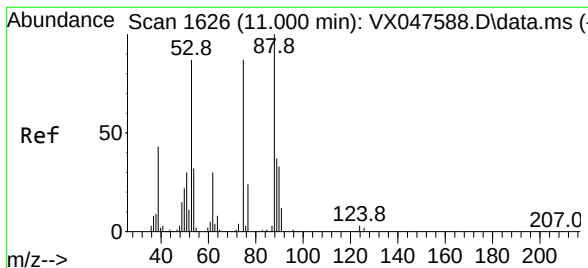
Tgt Ion: 91 Resp: 376486
Ion Ratio Lower Upper
91 100
126 32.4 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 50.055 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 105 Resp: 435375
Ion Ratio Lower Upper
105 100
120 47.5 23.6 70.8

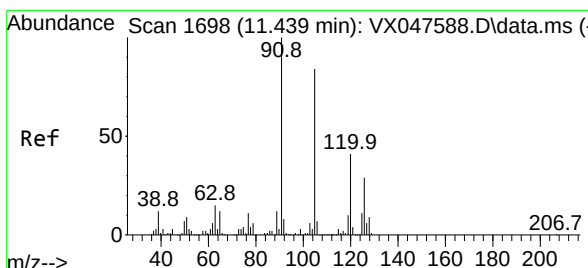
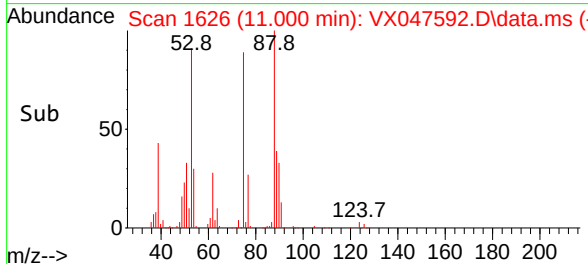
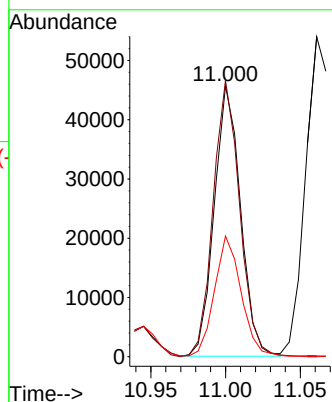
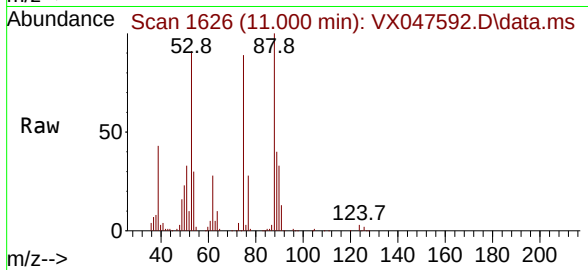




#81
trans-1,4-Dichloro-2-butene
Concen: 50.543 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

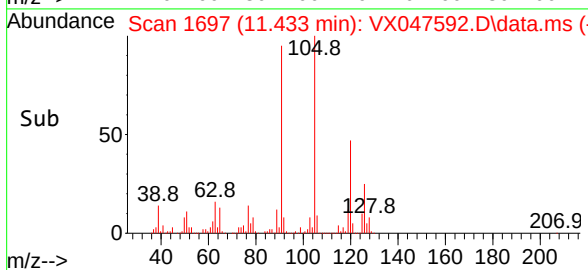
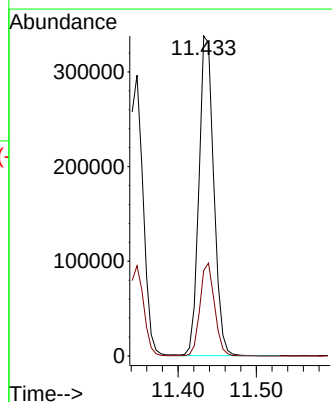
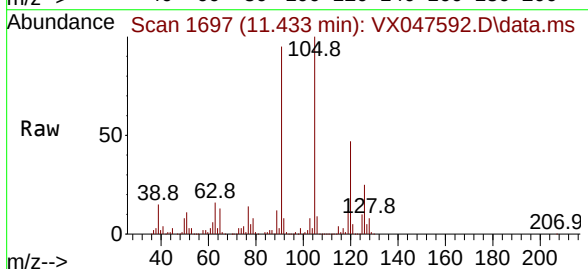
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

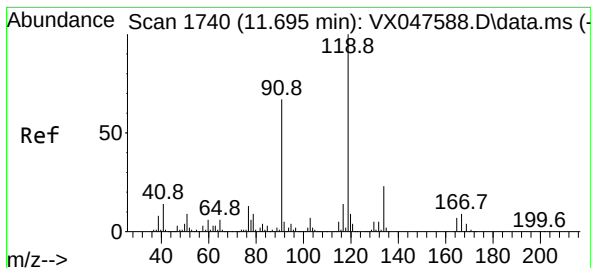
Tgt Ion: 75 Resp: 55880
Ion Ratio Lower Upper
75 100
53 103.4 83.4 125.2
89 45.4 36.3 54.5



#82
4-Chlorotoluene
Concen: 49.164 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 445075
Ion Ratio Lower Upper
91 100
126 28.6 14.2 42.6





#83

tert-Butylbenzene

Concen: 49.679 ug/l

RT: 11.695 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

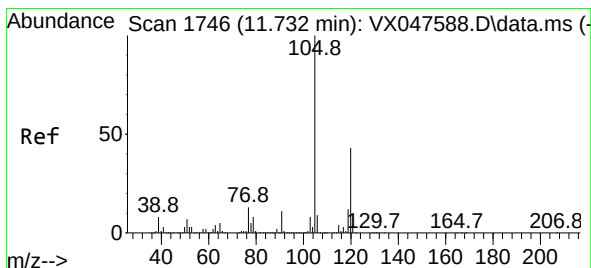
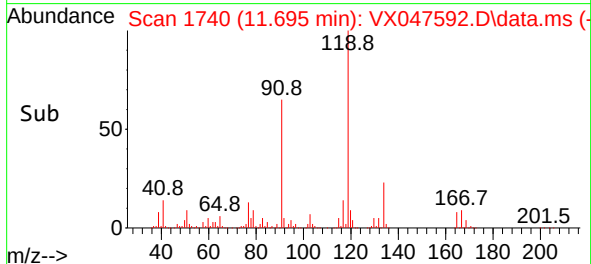
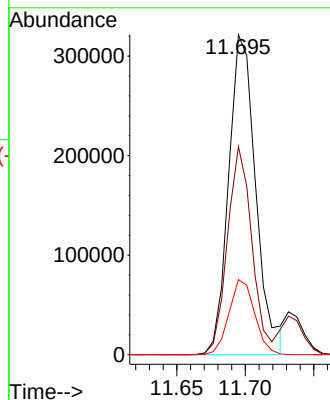
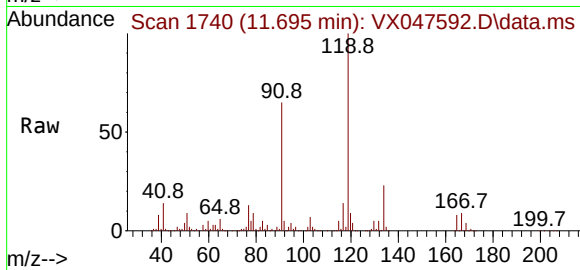
Tgt Ion:119 Resp: 442341

Ion Ratio Lower Upper

119 100

91 58.7 29.6 88.8

134 22.3 11.0 33.0



#84

1,2,4-Trimethylbenzene

Concen: 49.911 ug/l

RT: 11.732 min Scan# 1746

Delta R.T. -0.000 min

Lab File: VX047592.D

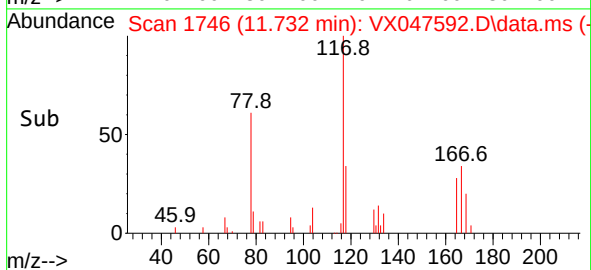
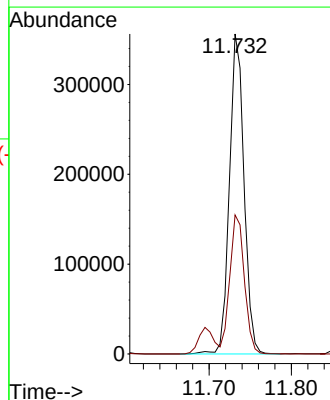
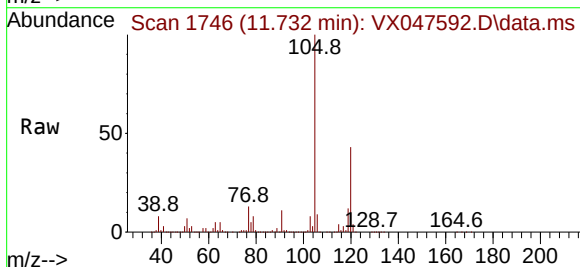
Acq: 16 Sep 2025 13:35

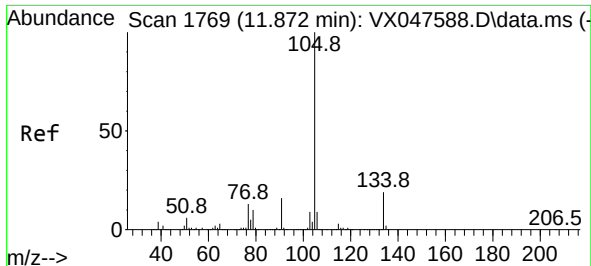
Tgt Ion:105 Resp: 440134

Ion Ratio Lower Upper

105 100

120 43.5 22.1 66.1

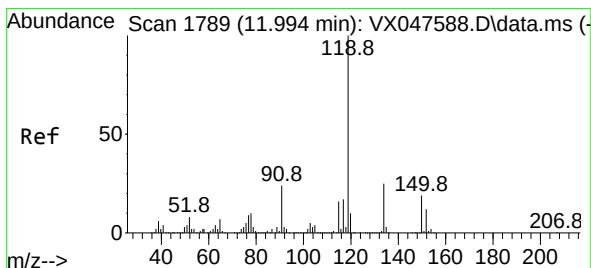
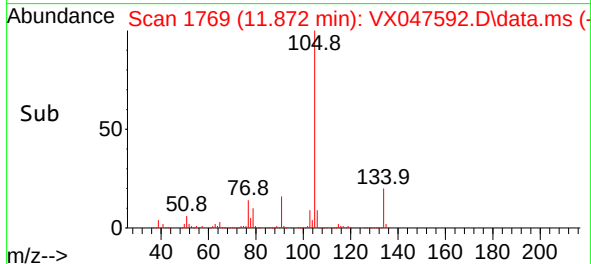
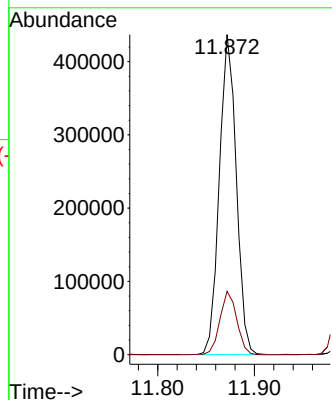
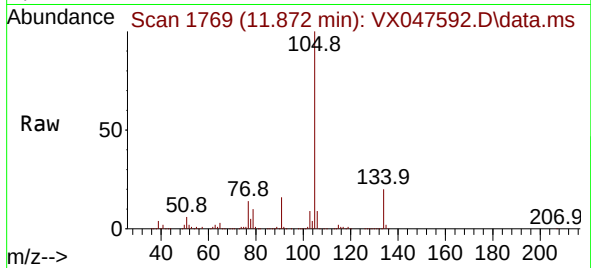




#85
 sec-Butylbenzene
 Concen: 50.100 ug/l
 RT: 11.872 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: VX047592.D
 Acq: 16 Sep 2025 13:35

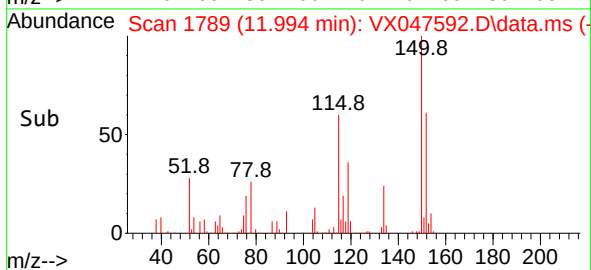
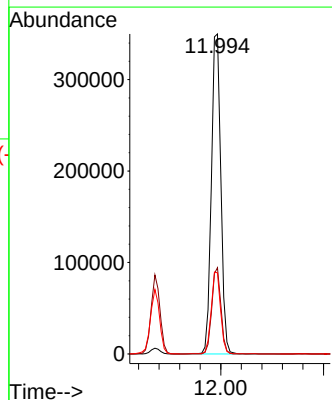
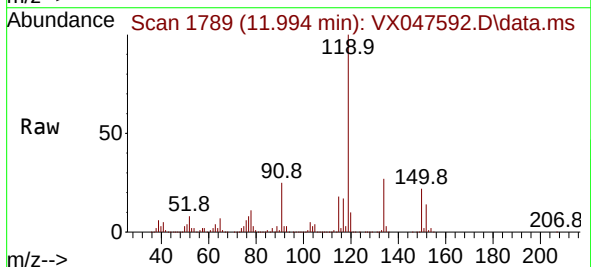
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091625

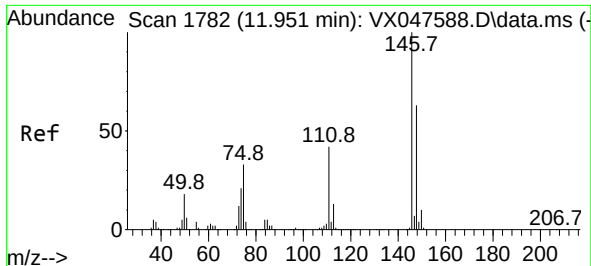
Tgt Ion:105 Resp: 529869
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 49.861 ug/l
 RT: 11.994 min Scan# 1789
 Delta R.T. -0.000 min
 Lab File: VX047592.D
 Acq: 16 Sep 2025 13:35

Tgt Ion:119 Resp: 446441
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.6 37.8
 91 25.4 12.6 37.6

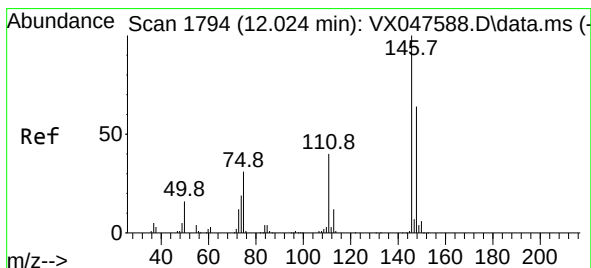
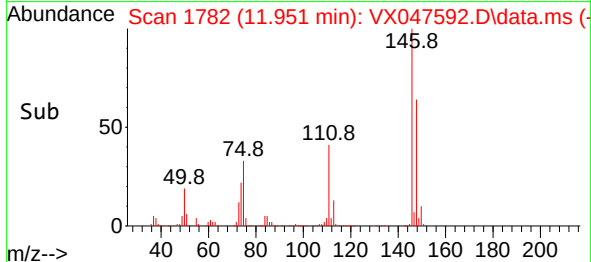
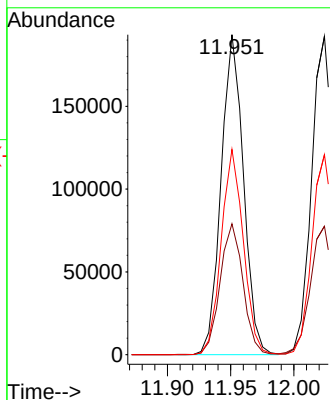
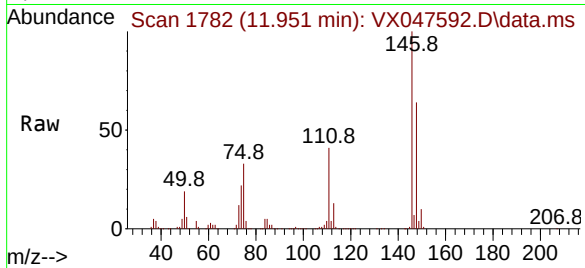




#87
1,3-Dichlorobenzene
Concen: 49.014 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

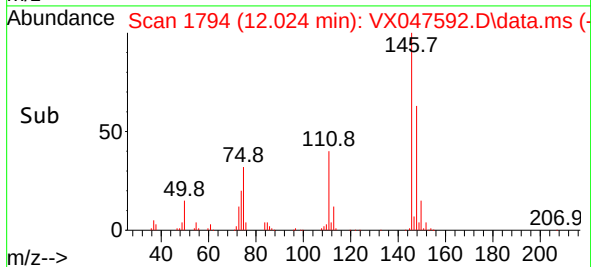
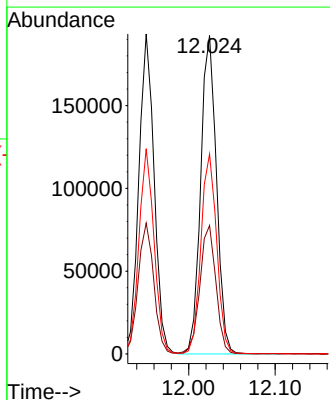
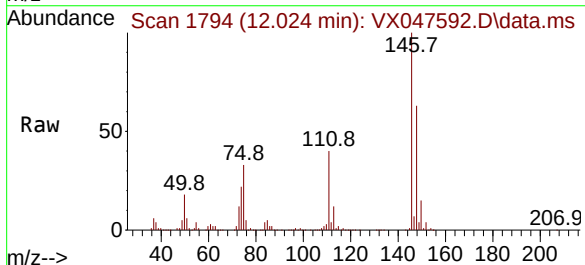
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

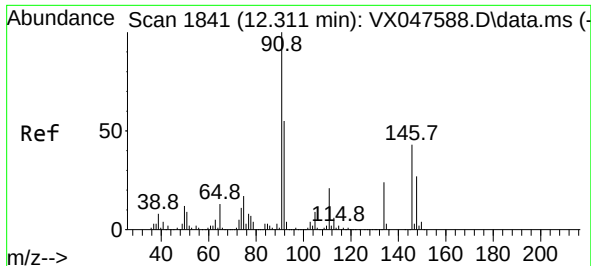
Tgt Ion:146 Resp: 237383
Ion Ratio Lower Upper
146 100
111 42.1 21.5 64.5
148 63.5 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 49.011 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 243618
Ion Ratio Lower Upper
146 100
111 41.0 20.8 62.4
148 62.7 31.7 95.1





#89

n-Butylbenzene

Concen: 50.752 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

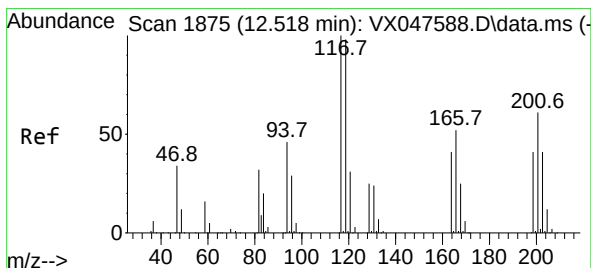
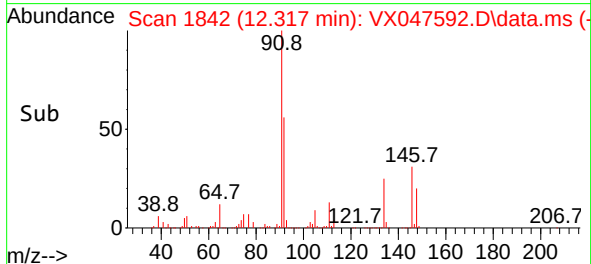
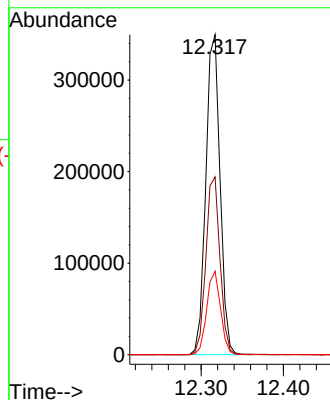
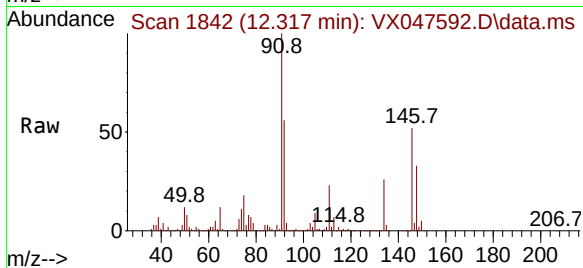
Tgt Ion: 91 Resp: 420478

Ion Ratio Lower Upper

91 100

92 55.2 27.6 82.7

134 25.3 12.6 37.8



#90

Hexachloroethane

Concen: 50.732 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX047592.D

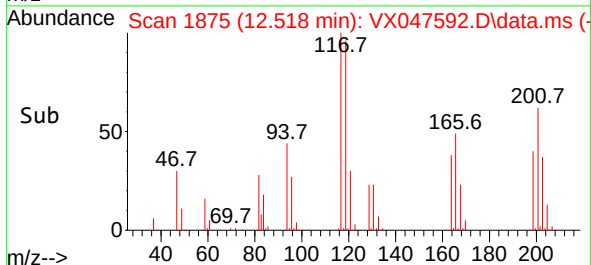
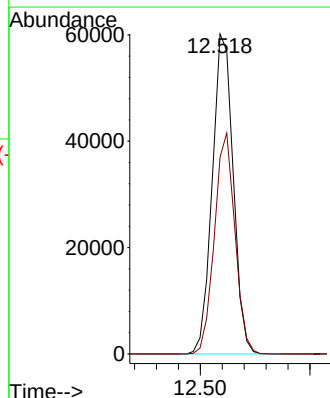
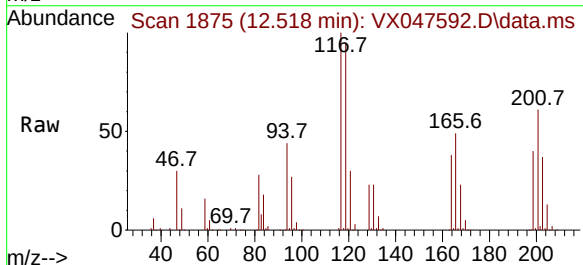
Acq: 16 Sep 2025 13:35

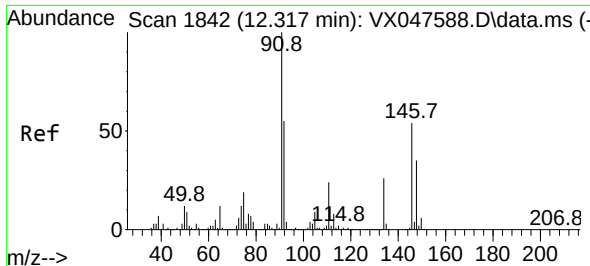
Tgt Ion: 117 Resp: 79751

Ion Ratio Lower Upper

117 100

201 67.7 34.2 102.5

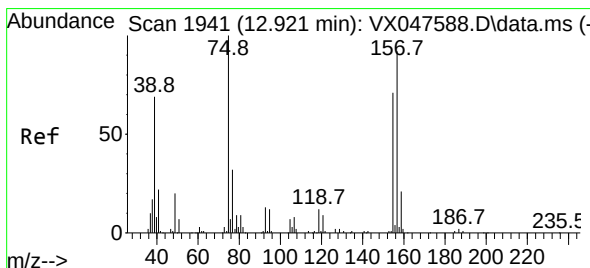
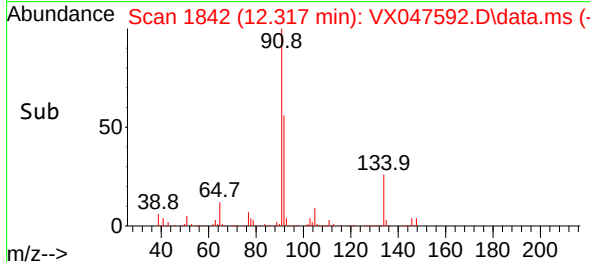
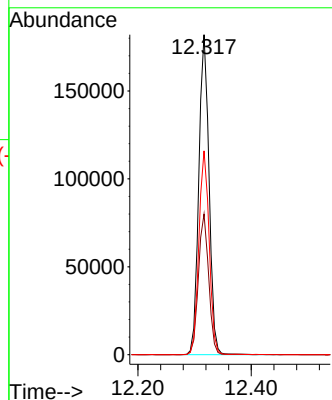
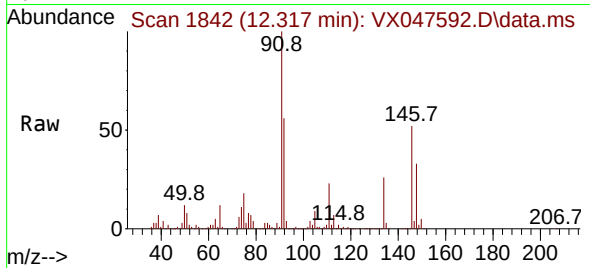




#91
1,2-Dichlorobenzene
Concen: 49.304 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

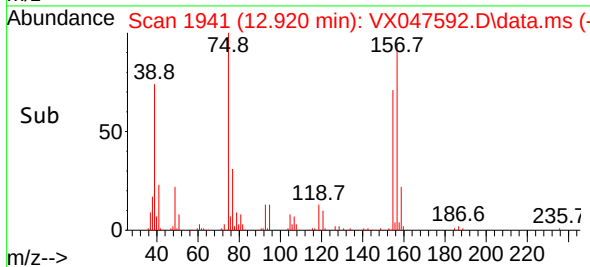
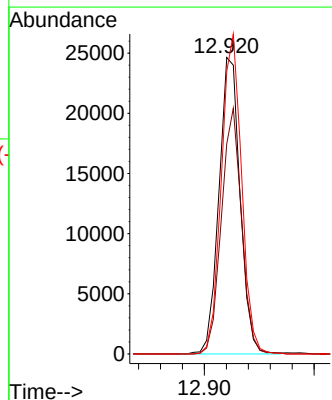
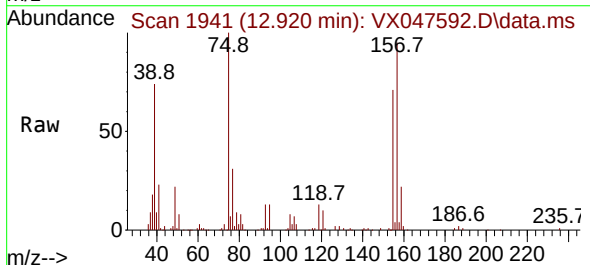
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

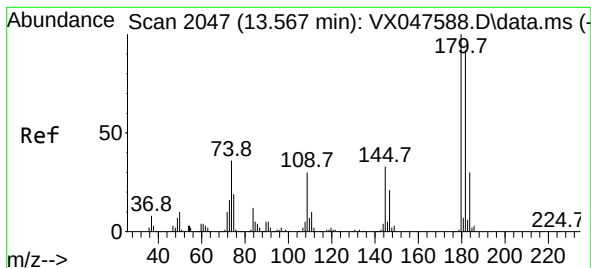
Tgt Ion:146 Resp: 227493
Ion Ratio Lower Upper
146 100
111 44.2 22.2 66.6
148 64.1 31.8 95.4



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.918 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 33020
Ion Ratio Lower Upper
75 100
155 79.1 37.7 113.1
157 103.2 49.8 149.4





#93

1,2,4-Trichlorobenzene

Concen: 51.133 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091625

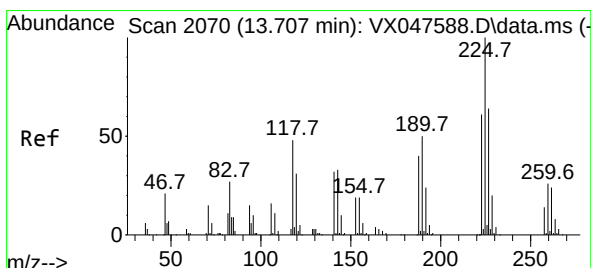
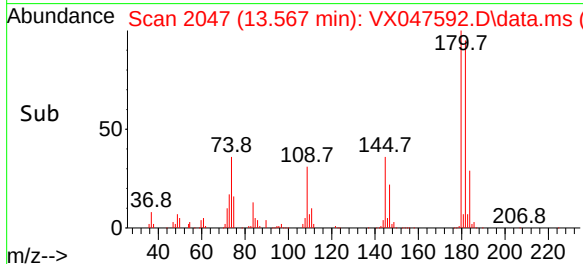
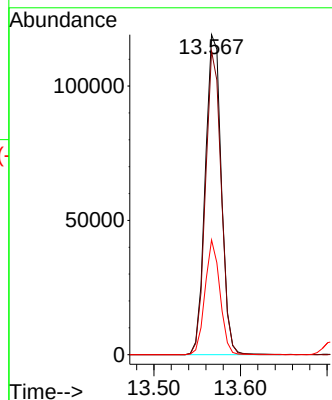
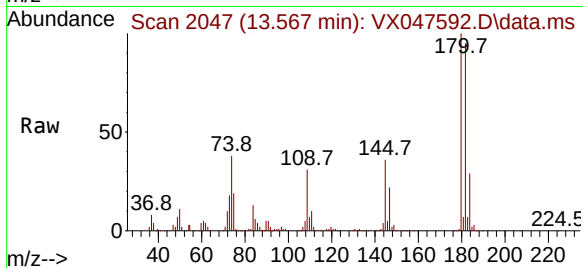
Tgt Ion:180 Resp: 153333

Ion Ratio Lower Upper

180 100

182 93.1 46.6 139.8

145 33.3 16.4 49.1



#94

Hexachlorobutadiene

Concen: 52.131 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX047592.D

Acq: 16 Sep 2025 13:35

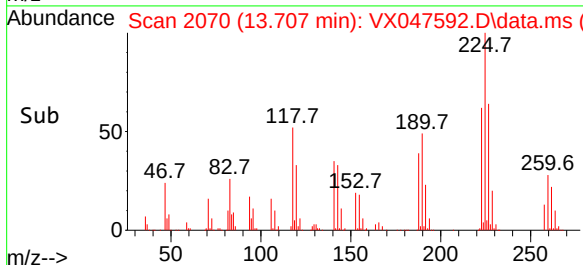
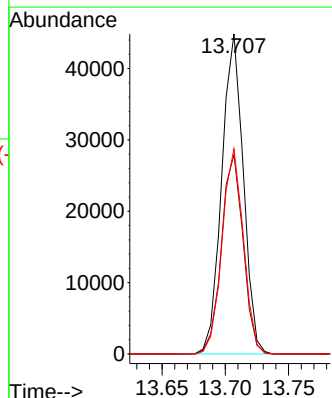
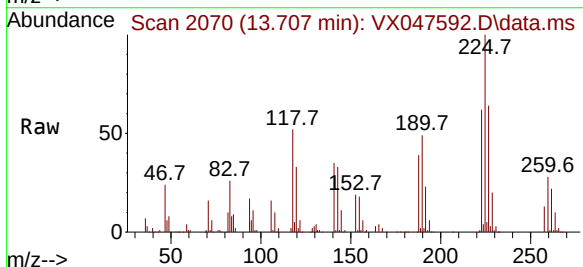
Tgt Ion:225 Resp: 53099

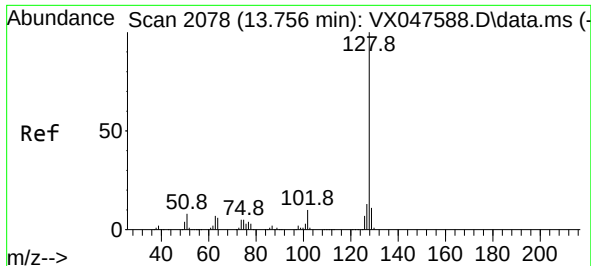
Ion Ratio Lower Upper

225 100

223 62.6 31.7 95.1

227 63.3 32.0 96.0

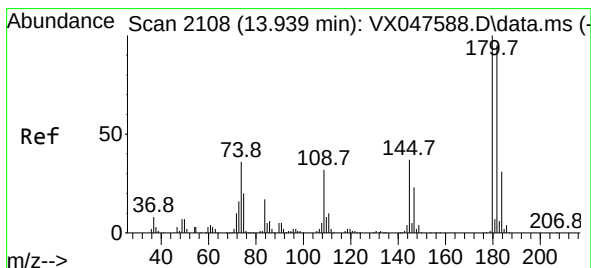
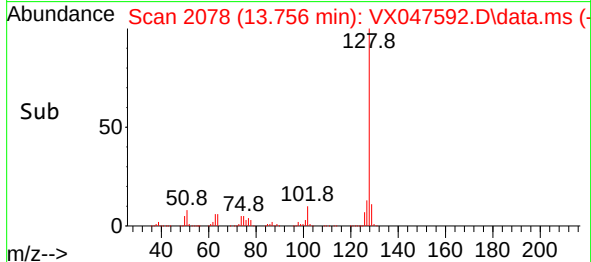
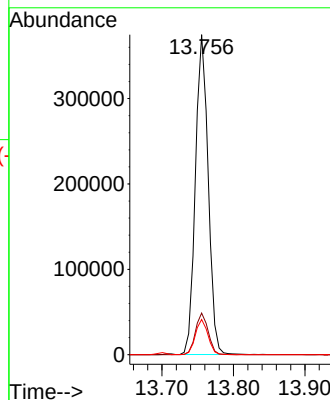
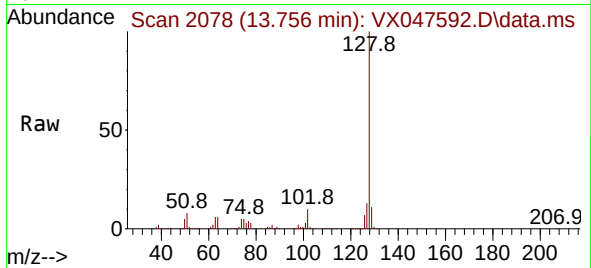




#95
Naphthalene
Concen: 50.836 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

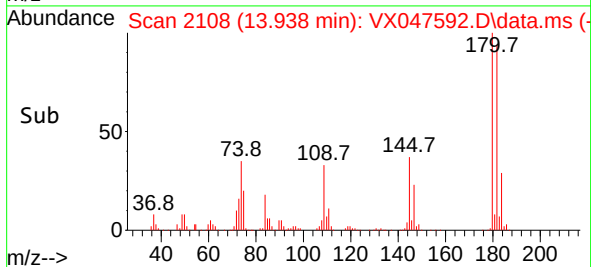
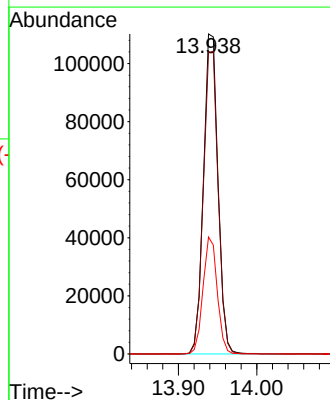
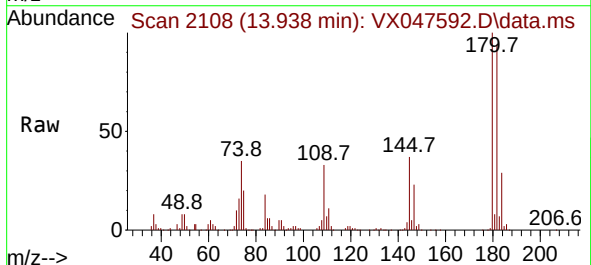
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:128 Resp: 464206
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.054 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:180 Resp: 142413
Ion Ratio Lower Upper
180 100
182 95.5 47.6 142.8
145 35.6 17.9 53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047795.D
 Acq On : 25 Sep 2025 08:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 26 01:20:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	136107	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	245940	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	220262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	107538	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.934	65	111151	51.305	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.600%	
35) Dibromofluoromethane	5.367	113	86395	52.379	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.760%	
50) Toluene-d8	8.629	98	290687	50.933	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.860%	
62) 4-Bromofluorobenzene	11.061	95	108988	50.317	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.640%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	85355	60.561	ug/l	98
3) Chloromethane	1.301	50	107444	58.004	ug/l	100
4) Vinyl Chloride	1.380	62	105978	58.447	ug/l	99
5) Bromomethane	1.611	94	64102	55.750	ug/l	100
6) Chloroethane	1.691	64	67339	55.564	ug/l	99
7) Trichlorofluoromethane	1.892	101	147449	54.767	ug/l	100
8) Diethyl Ether	2.136	74	61356	55.711	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	84112	53.429	ug/l	99
10) Methyl Iodide	2.453	142	131184	53.431	ug/l	99
11) Tert butyl alcohol	2.941	59	67880	281.323	ug/l	99
12) 1,1-Dichloroethene	2.319	96	90179	55.766	ug/l	99
13) Acrolein	2.233	56	64908	291.917	ug/l	99
14) Allyl chloride	2.660	41	163527	49.005	ug/l	96
15) Acrylonitrile	3.056	53	281907	315.422	ug/l	98
16) Acetone	2.374	43	228516	242.588	ug/l	96
17) Carbon Disulfide	2.514	76	240263	54.273	ug/l	99
18) Methyl Acetate	2.697	43	134060	63.948	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	328607	55.667	ug/l	97
20) Methylene Chloride	2.788	84	111197	55.767	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	95656	54.943	ug/l	97
22) Diisopropyl ether	3.745	45	356628	55.145	ug/l #	84
23) Vinyl Acetate	3.709	43	1440799	278.368	ug/l	99
24) 1,1-Dichloroethane	3.599	63	186425	54.236	ug/l	99
25) 2-Butanone	4.538	43	337440	287.179	ug/l	96
26) 2,2-Dichloropropane	4.459	77	73225	25.628	ug/l	93
27) cis-1,2-Dichloroethene	4.471	96	116288	54.540	ug/l	93
28) Bromochloromethane	4.879	49	84484	56.300	ug/l	99
29) Tetrahydrofuran	4.983	42	217295	307.408	ug/l	99
30) Chloroform	5.074	83	193461	55.697	ug/l	98
31) Cyclohexane	5.452	56	143723	50.203	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	155394	52.743	ug/l	100
36) 1,1-Dichloropropene	5.672	75	119329	49.510	ug/l	98
37) Ethyl Acetate	4.690	43	144473	55.984	ug/l	98
38) Carbon Tetrachloride	5.660	117	132383	50.553	ug/l	95
39) Methylcyclohexane	7.360	83	130264	47.613	ug/l	98
40) Benzene	6.019	78	393020	53.689	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047795.D
 Acq On : 25 Sep 2025 08:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 26 01:20:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	77739	58.352	ug/l	99
42) 1,2-Dichloroethane	6.068	62	146101	52.455	ug/l	98
43) Isopropyl Acetate	6.318	43	231987	54.813	ug/l	99
44) Trichloroethene	7.104	130	93408	52.779	ug/l	97
45) 1,2-Dichloropropane	7.409	63	102723	54.802	ug/l	99
46) Dibromomethane	7.562	93	73128	53.611	ug/l	95
47) Bromodichloromethane	7.806	83	150738	53.552	ug/l	99
48) Methyl methacrylate	7.677	41	117391	55.683	ug/l	98
49) 1,4-Dioxane	7.641	88	28456	1335.620	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	695695	296.468	ug/l	100
52) Toluene	8.702	92	236487	52.436	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	133747	46.584	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	147846	48.178	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	95832	55.106	ug/l	99
56) Ethyl methacrylate	9.098	69	153461	56.190	ug/l	97
57) 1,3-Dichloropropane	9.293	76	166700	55.801	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	397473	300.637	ug/l	100
59) 2-Hexanone	9.415	43	481760	285.853	ug/l	98
60) Dibromochloromethane	9.506	129	110503	55.147	ug/l	99
61) 1,2-Dibromoethane	9.592	107	100623	56.807	ug/l	99
64) Tetrachloroethene	9.256	164	77730	54.134	ug/l	97
65) Chlorobenzene	10.061	112	262625	52.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	91037	52.723	ug/l	99
67) Ethyl Benzene	10.177	91	443118	51.323	ug/l	100
68) m/p-Xylenes	10.287	106	333476	103.770	ug/l	98
69) o-Xylene	10.622	106	162415	52.252	ug/l	97
70) Styrene	10.640	104	286982	52.692	ug/l	98
71) Bromoform	10.781	173	70044	54.326	ug/l #	98
73) Isopropylbenzene	10.945	105	411651	50.350	ug/l	100
74) N-amyl acetate	10.823	43	197362	52.937	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	136864	55.331	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	143542	65.926	ug/l	91
77) Bromobenzene	11.177	156	104192	51.743	ug/l	96
78) n-propylbenzene	11.287	91	479655	49.629	ug/l	100
79) 2-Chlorotoluene	11.348	91	295615	49.940	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	335426	49.936	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	34506	40.415	ug/l	99
82) 4-Chlorotoluene	11.439	91	346198	49.519	ug/l	99
83) tert-Butylbenzene	11.695	119	328139	47.721	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	342751	50.330	ug/l	99
85) sec-Butylbenzene	11.872	105	399335	48.893	ug/l	99
86) p-Isopropyltoluene	11.988	119	336196	48.621	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	187962	50.255	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	188229	49.035	ug/l	99
89) n-Butylbenzene	12.311	91	299204	46.765	ug/l	99
90) Hexachloroethane	12.518	117	60775	50.062	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	181599	50.965	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	26900	53.714	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	111739	48.251	ug/l	98
94) Hexachlorobutadiene	13.701	225	36360	46.224	ug/l	97
95) Naphthalene	13.756	128	369424	52.388	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	109206	50.695	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047795.D
Acq On : 25 Sep 2025 08:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 26 01:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

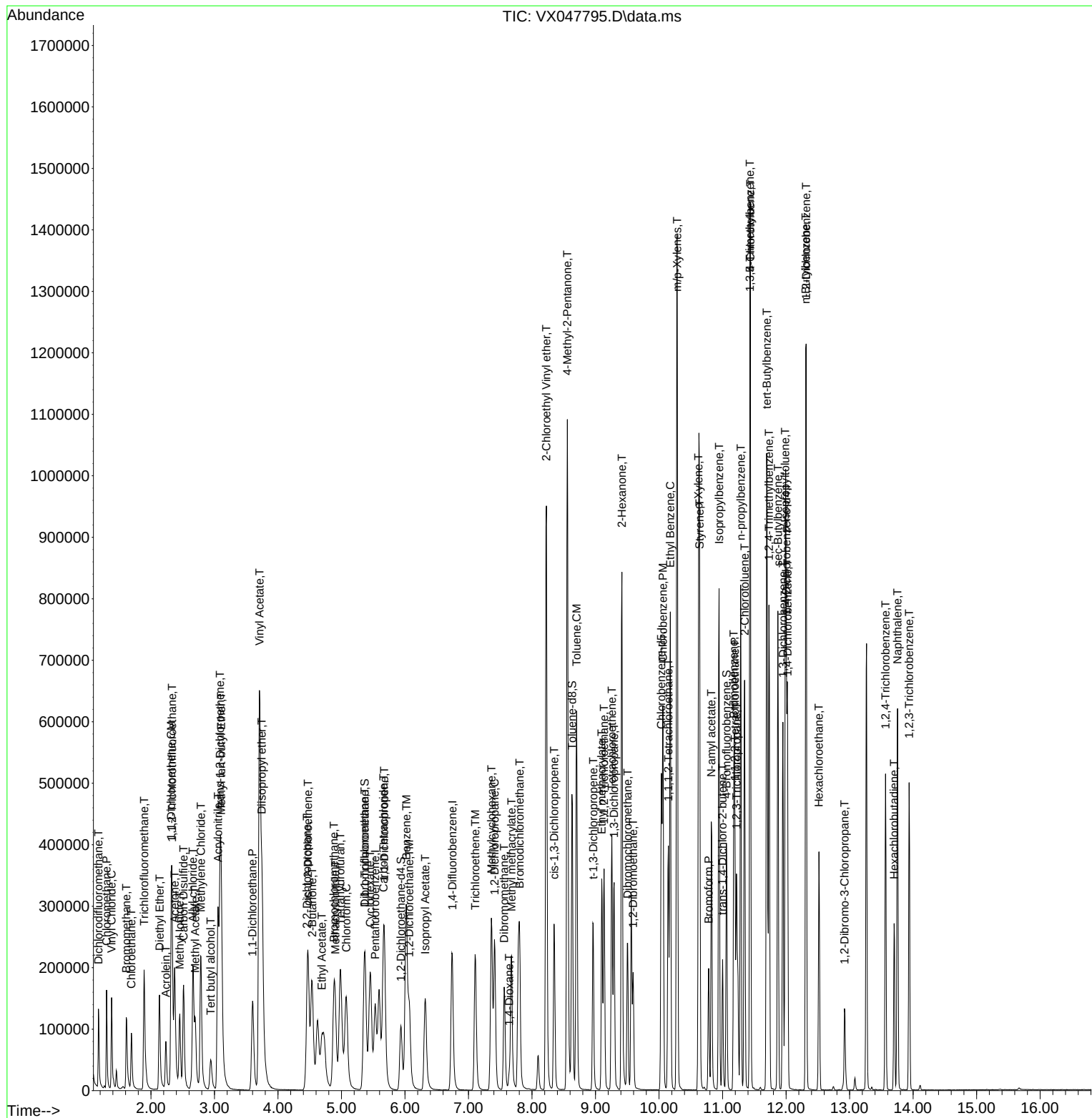
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

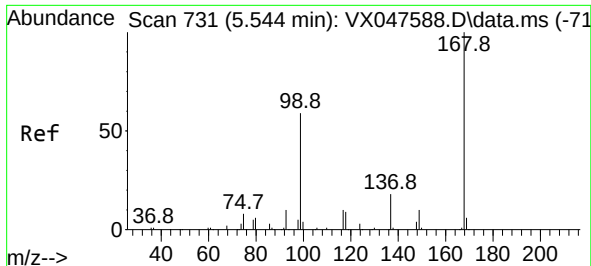
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\  
Data File : VX047795.D  
Acq On    : 25 Sep 2025  08:56  
Operator  : JC/MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 2      Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 26 01:20:09 2025
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Response via : Initial Calibration

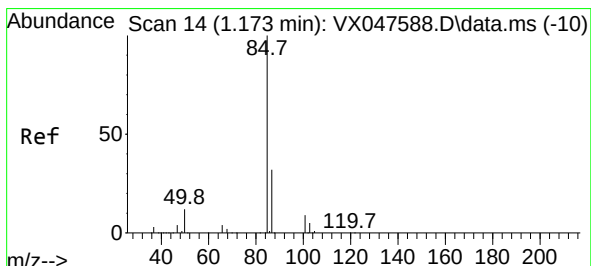
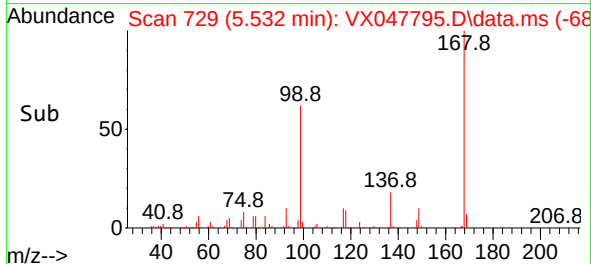
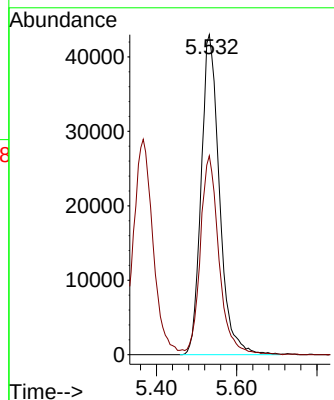
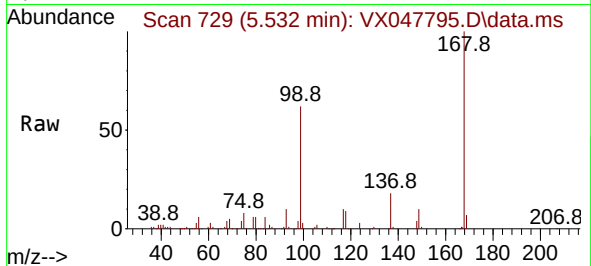




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

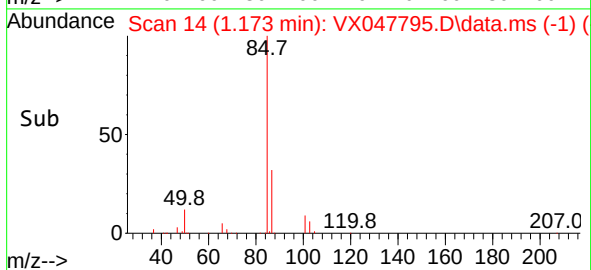
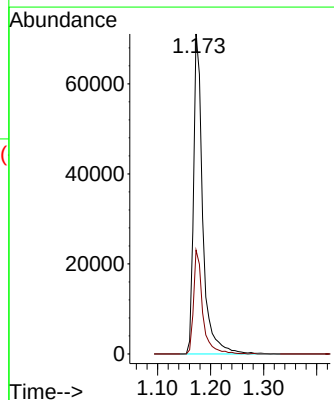
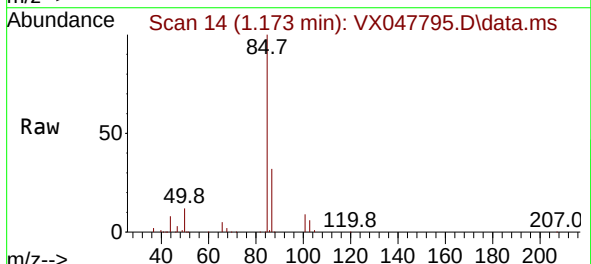
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

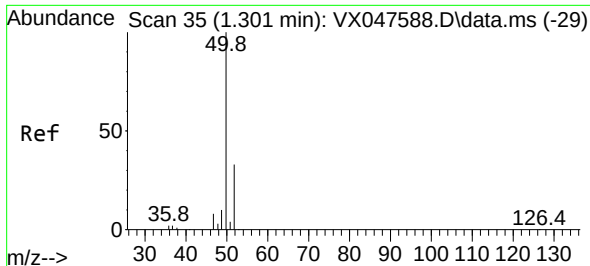
Tgt Ion:168 Resp: 136107
Ion Ratio Lower Upper
168 100
99 62.0 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 60.561 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 85 Resp: 85355
Ion Ratio Lower Upper
85 100
87 32.5 15.8 47.3

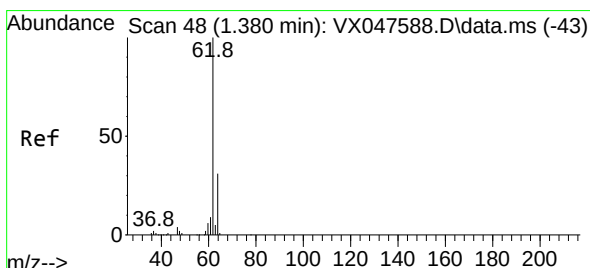
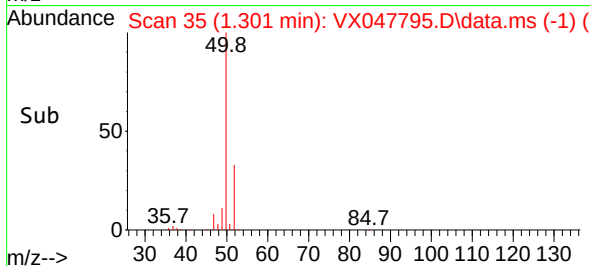
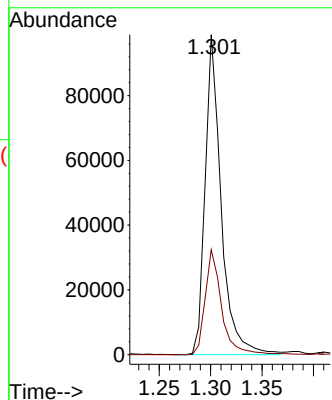
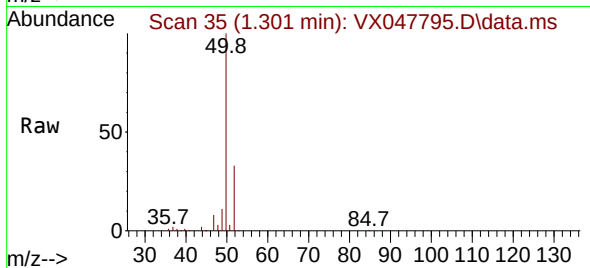




#3
Chloromethane
Concen: 58.004 ug/l
RT: 1.301 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

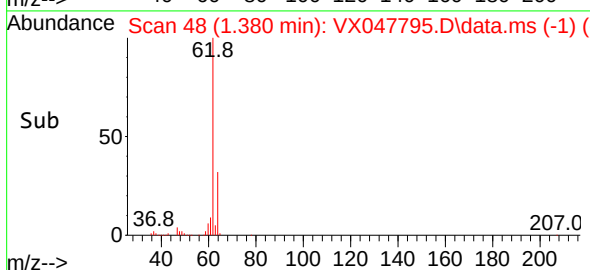
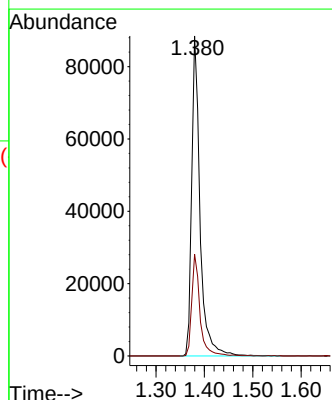
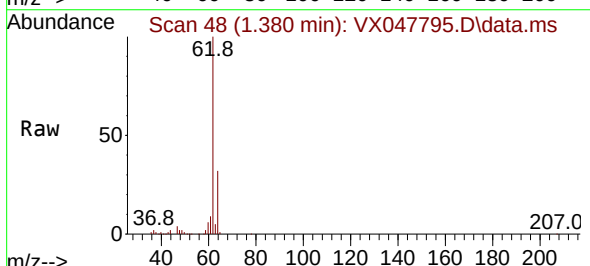
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

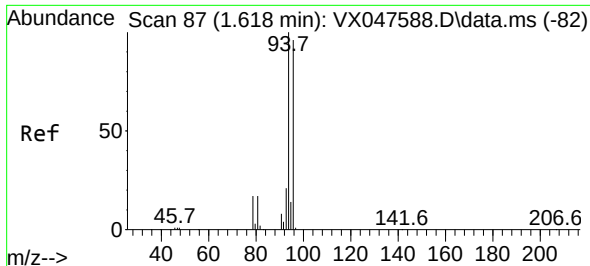
Tgt Ion: 50 Resp: 107444
Ion Ratio Lower Upper
50 100
52 32.8 26.1 39.1



#4
Vinyl Chloride
Concen: 58.447 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 62 Resp: 105978
Ion Ratio Lower Upper
62 100
64 31.8 24.9 37.3

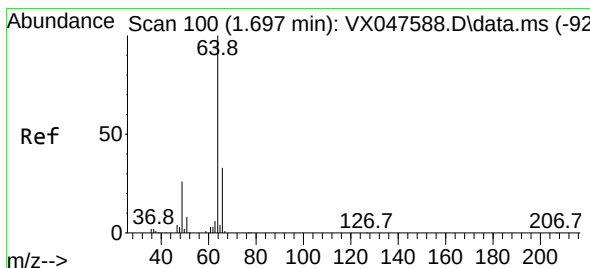
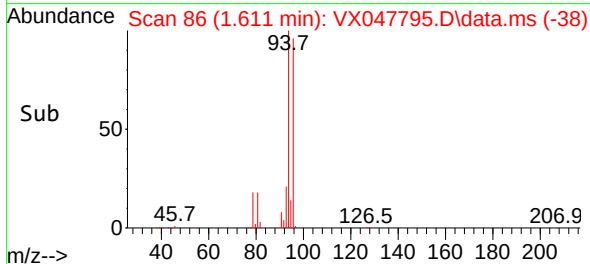
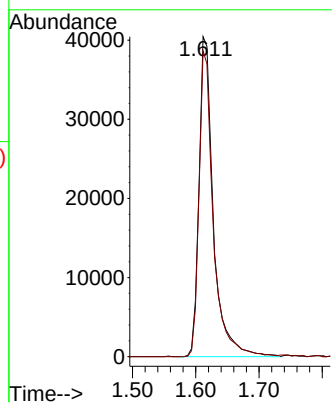
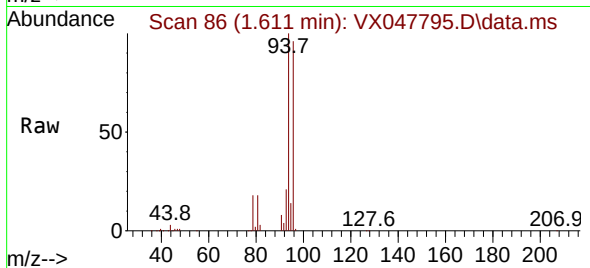




#5
Bromomethane
Concen: 55.750 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

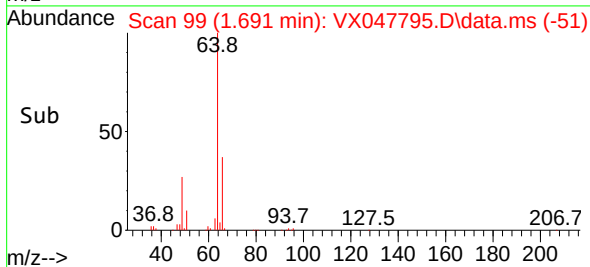
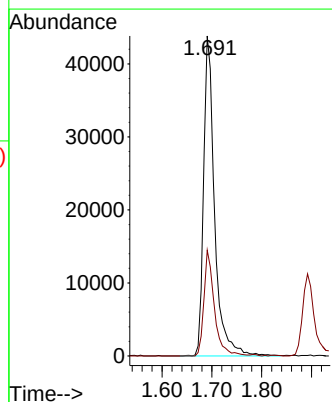
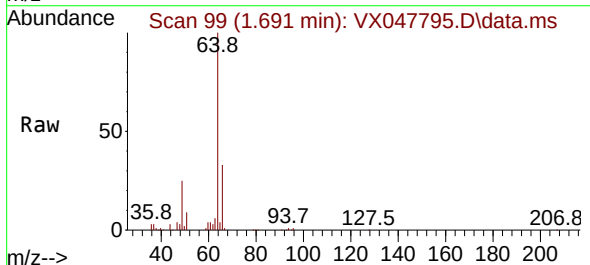
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

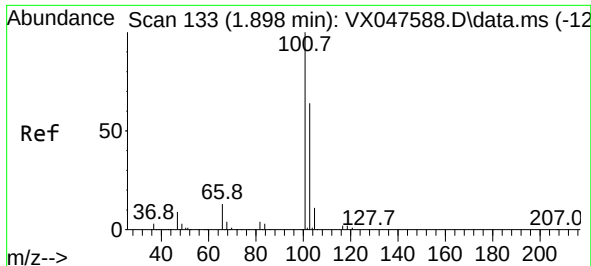
Tgt Ion: 94 Resp: 64102
Ion Ratio Lower Upper
94 100
96 95.5 76.6 115.0



#6
Chloroethane
Concen: 55.564 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 64 Resp: 67339
Ion Ratio Lower Upper
64 100
66 33.1 26.1 39.1

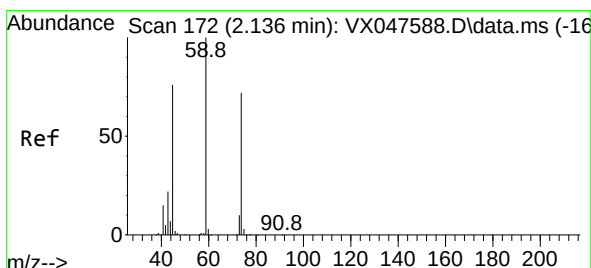
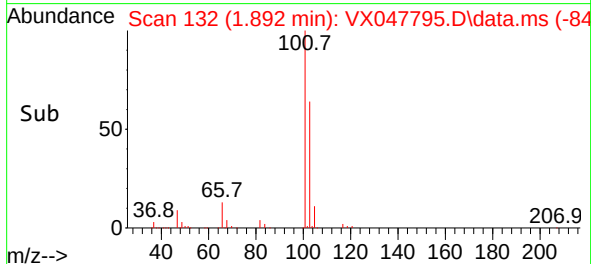
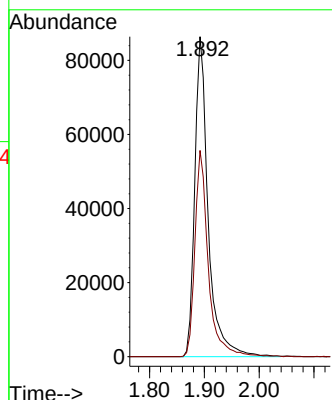
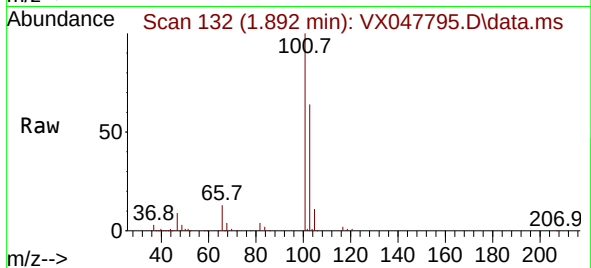




#7
Trichlorofluoromethane
Concen: 54.767 ug/l
RT: 1.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

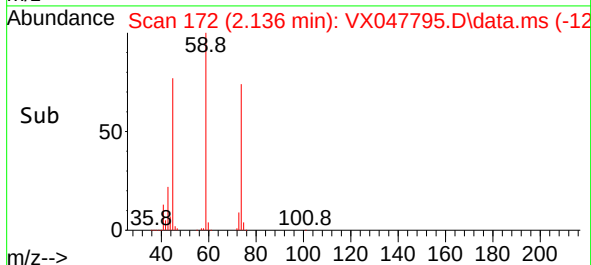
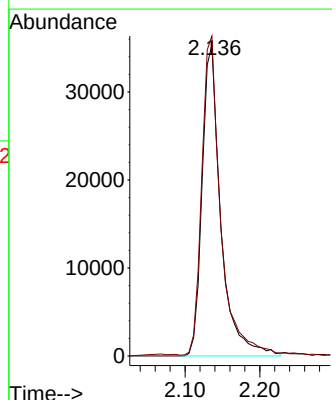
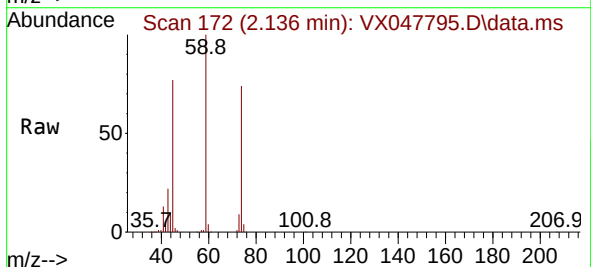
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

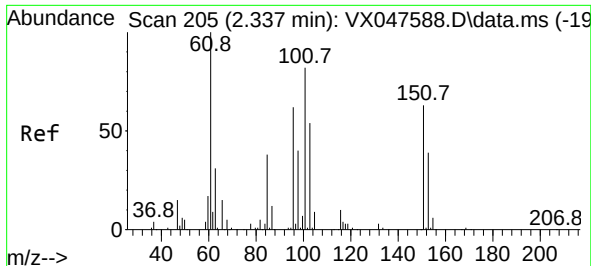
Tgt Ion:101 Resp: 147449
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.2



#8
Diethyl Ether
Concen: 55.711 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 74 Resp: 61356
Ion Ratio Lower Upper
74 100
45 105.9 52.3 156.8

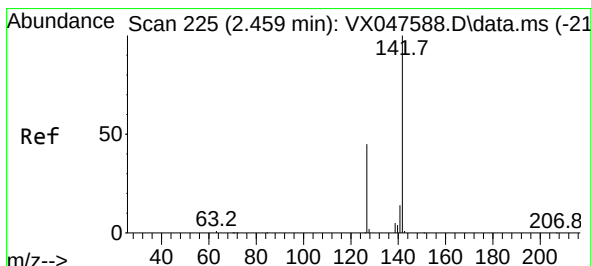
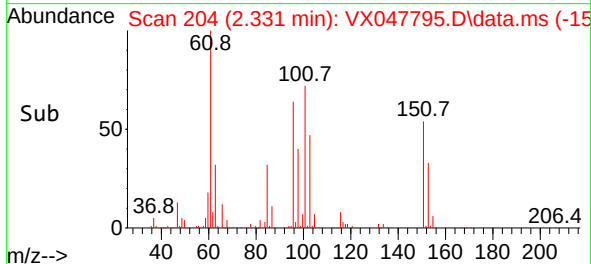
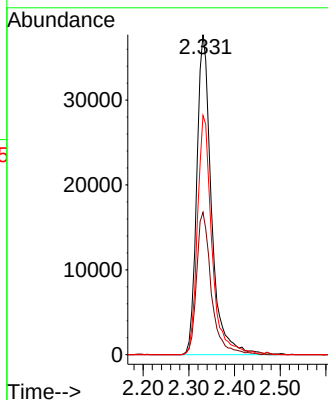
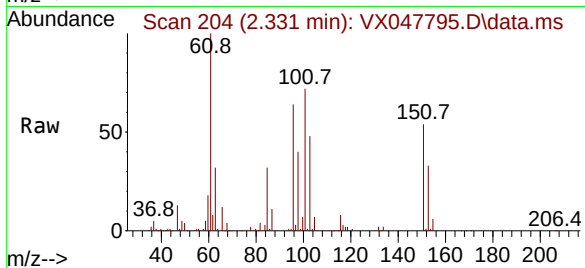




#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.429 ug/l
RT: 2.331 min Scan# 205
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

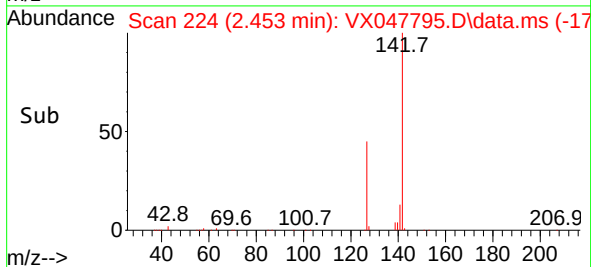
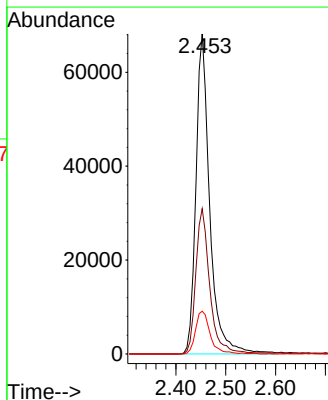
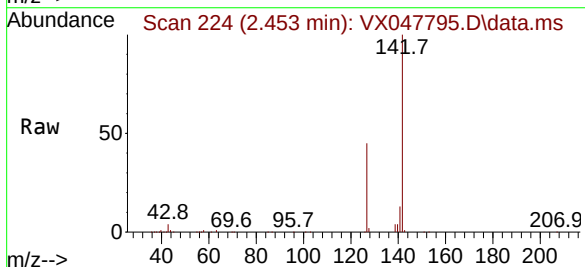
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

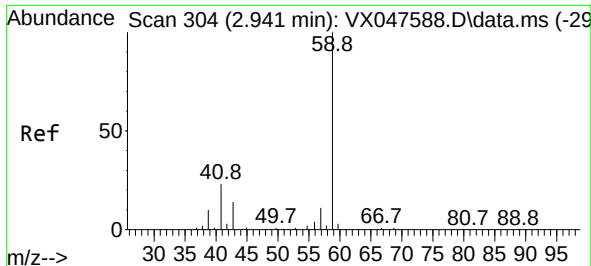
Tgt Ion:101 Resp: 84112
Ion Ratio Lower Upper
101 100
85 44.8 35.5 53.3
151 73.6 59.4 89.0



#10
Methyl Iodide
Concen: 53.431 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion:142 Resp: 131184
Ion Ratio Lower Upper
142 100
127 45.9 37.2 55.8
141 14.2 11.4 17.0

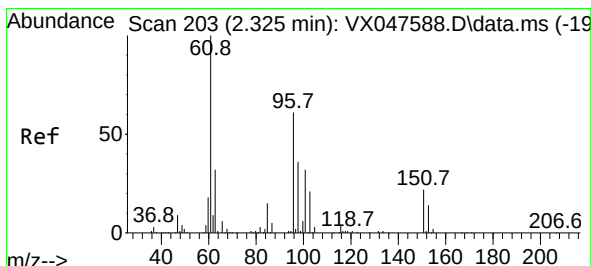
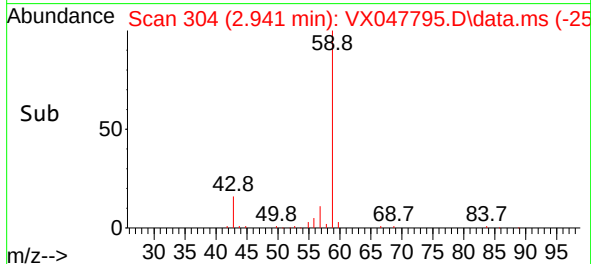
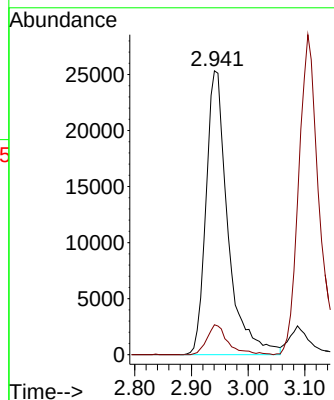
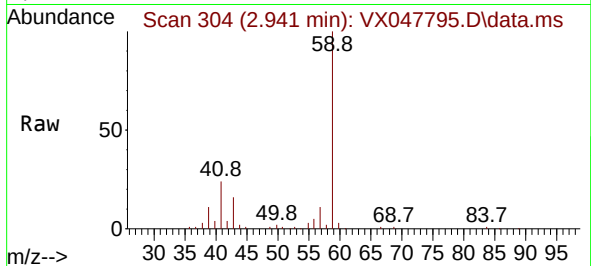




#11
Tert butyl alcohol
Concen: 281.323 ug/l
RT: 2.941 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

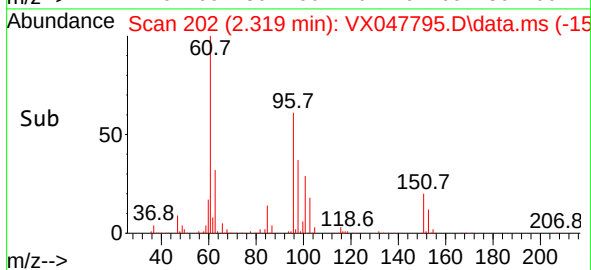
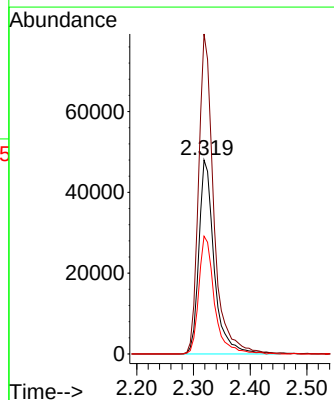
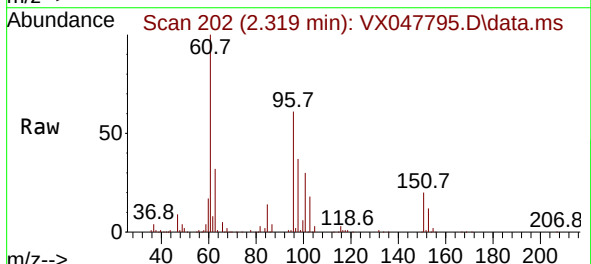
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

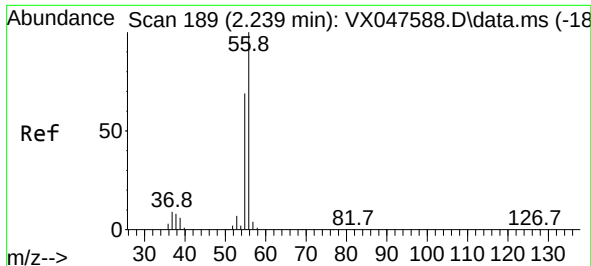
Tgt Ion: 59 Resp: 67880
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5



#12
1,1-Dichloroethene
Concen: 55.766 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 96 Resp: 90179
Ion Ratio Lower Upper
96 100
61 165.0 131.0 196.6
98 60.7 47.7 71.5

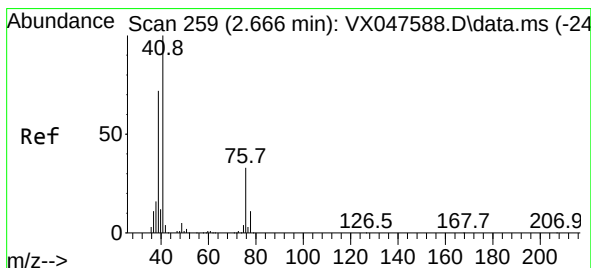
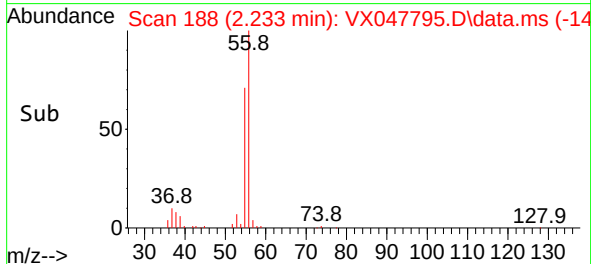
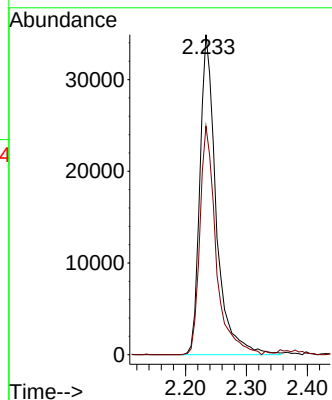
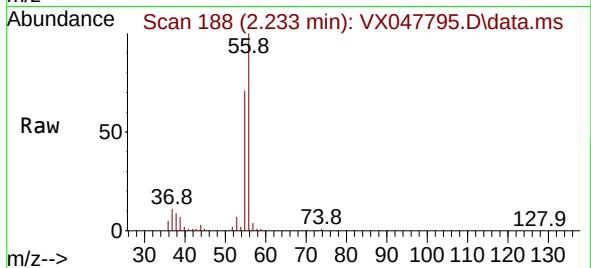




#13
Acrolein
Concen: 291.917 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

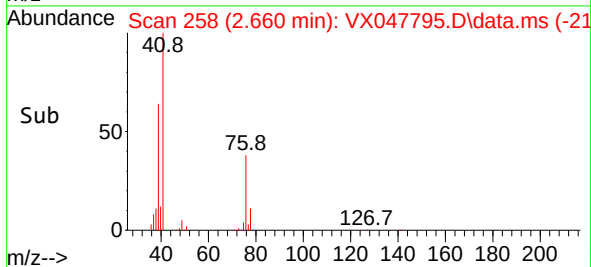
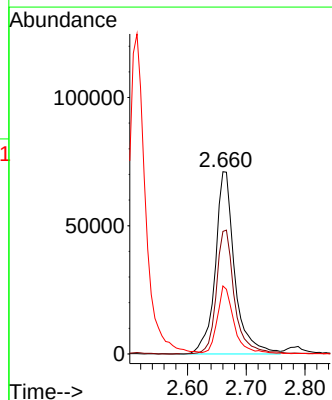
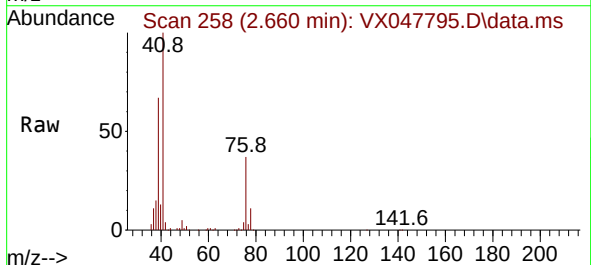
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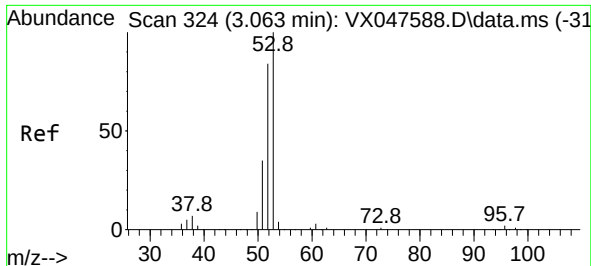
Tgt Ion: 56 Resp: 64908
Ion Ratio Lower Upper
56 100
55 70.9 57.2 85.8



#14
Allyl chloride
Concen: 49.005 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 41 Resp: 163527
Ion Ratio Lower Upper
41 100
39 63.9 54.7 82.1
76 32.7 25.7 38.5

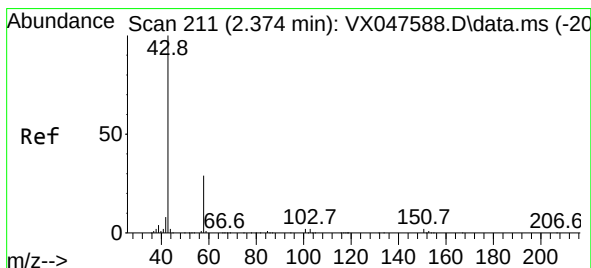
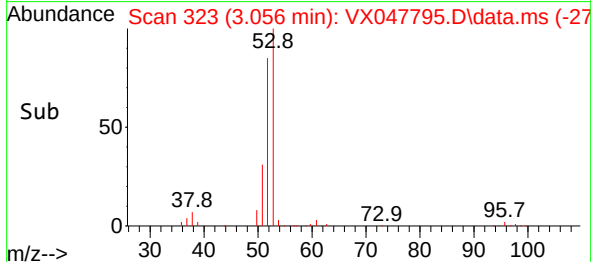
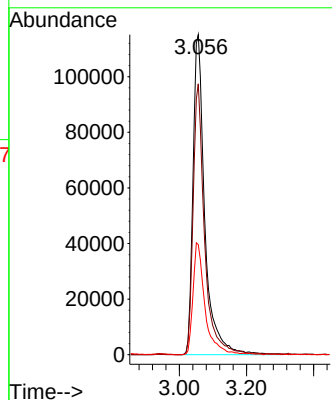
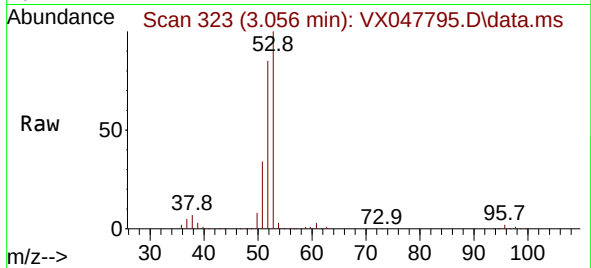




#15
Acrylonitrile
Concen: 315.422 ug/l
RT: 3.056 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

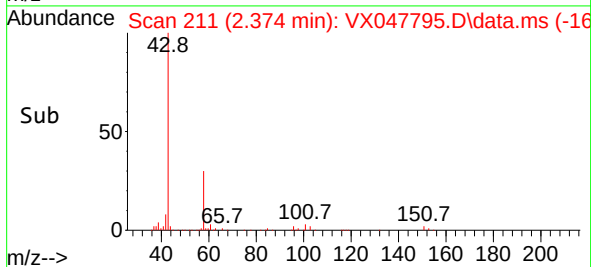
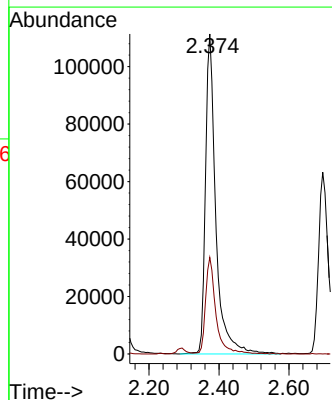
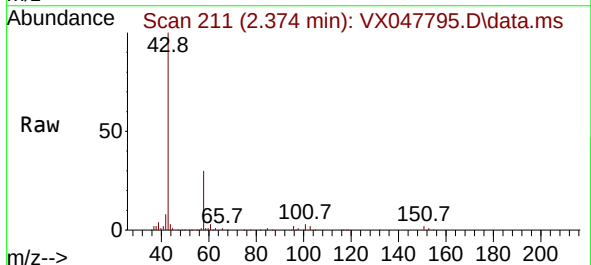
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

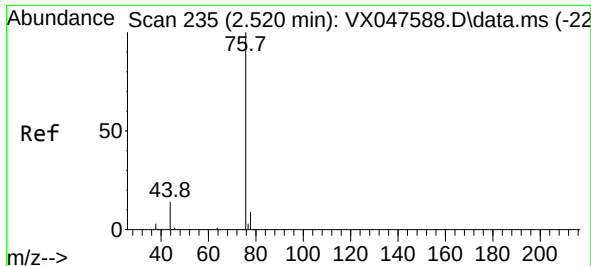
Tgt Ion: 53 Resp: 281907
Ion Ratio Lower Upper
53 100
52 81.4 66.4 99.6
51 35.7 29.5 44.3



#16
Acetone
Concen: 242.588 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 43 Resp: 228516
Ion Ratio Lower Upper
43 100
58 31.1 23.4 35.0

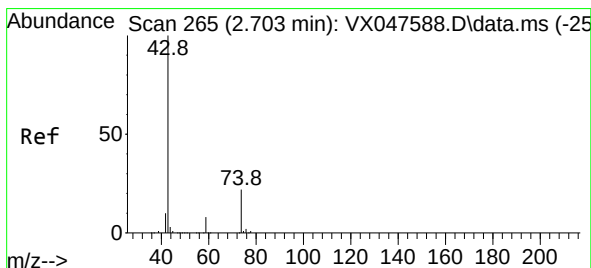
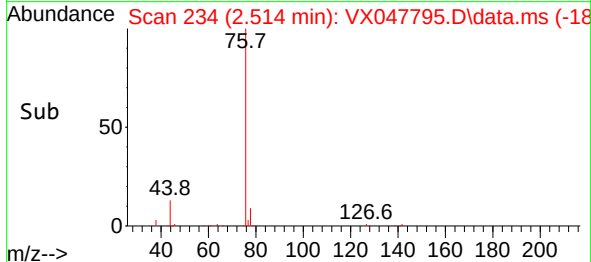
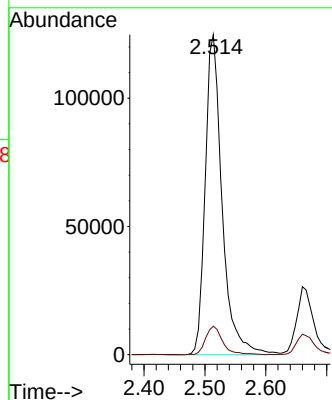
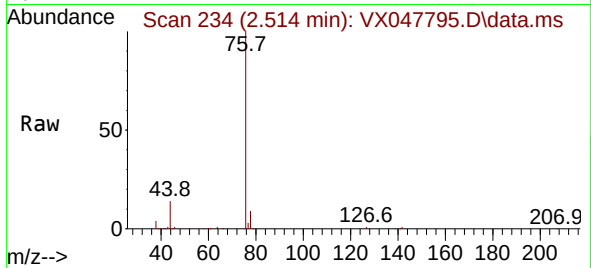




#17
Carbon Disulfide
Concen: 54.273 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

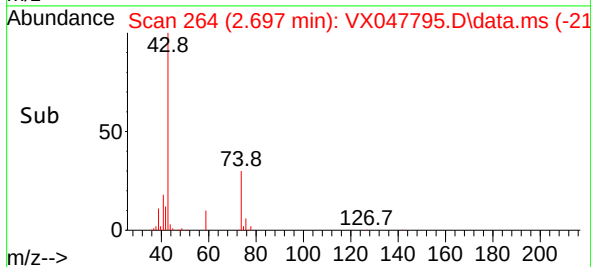
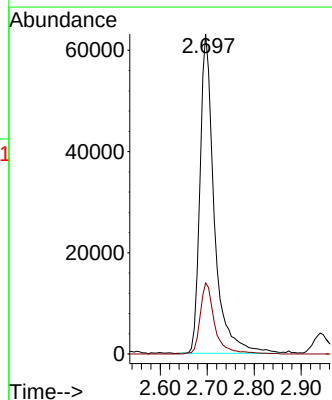
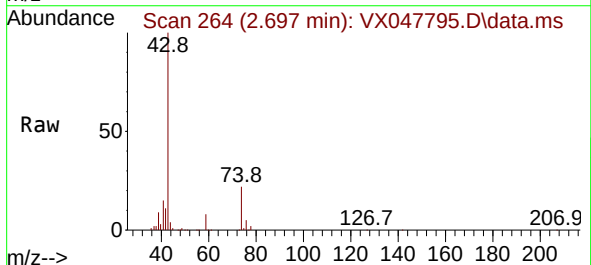
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

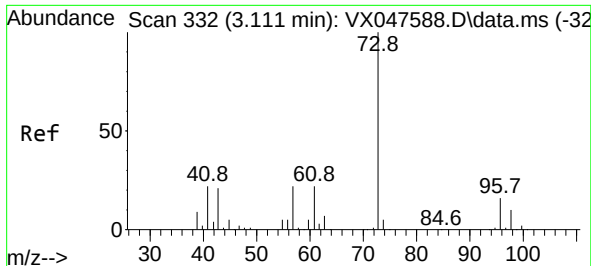
Tgt Ion: 76 Resp: 240263
Ion Ratio Lower Upper
76 100
78 8.9 6.8 10.2



#18
Methyl Acetate
Concen: 63.948 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 43 Resp: 134060
Ion Ratio Lower Upper
43 100
74 22.5 17.4 26.2

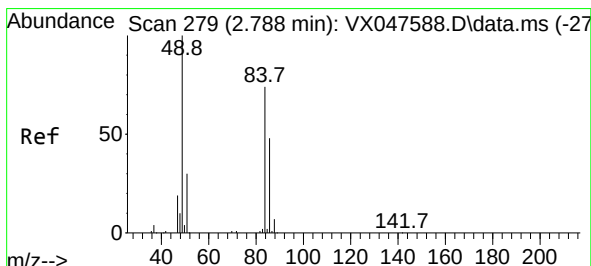
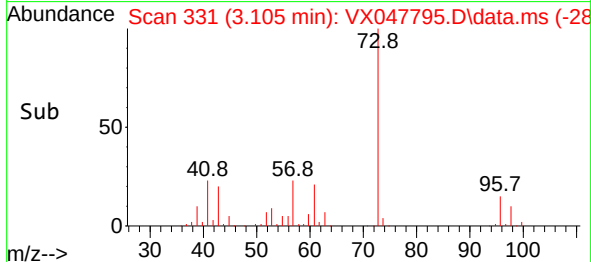
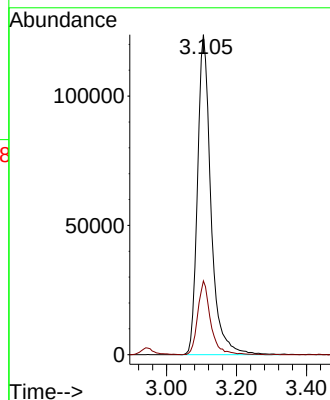
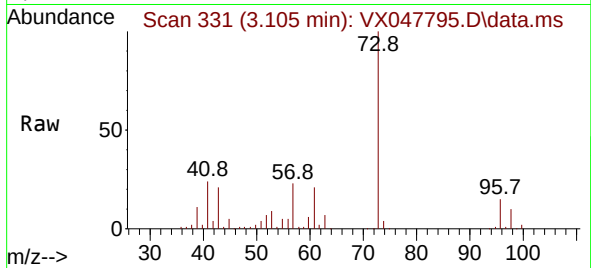




#19
Methyl tert-butyl Ether
Concen: 55.667 ug/l
RT: 3.105 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

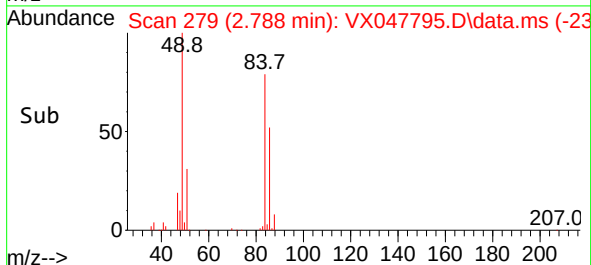
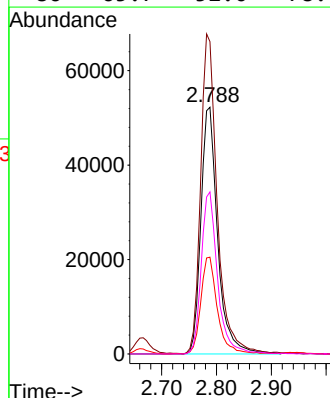
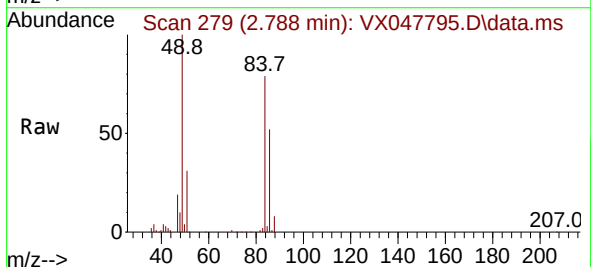
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

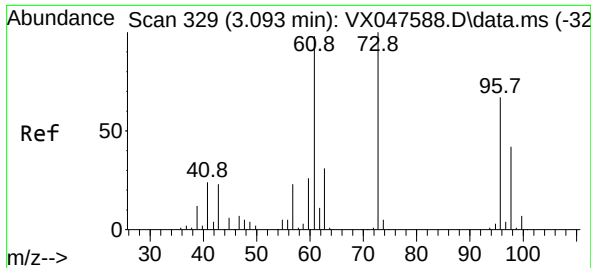
Tgt Ion: 73 Resp: 328607
Ion Ratio Lower Upper
73 100
57 23.1 17.4 26.2



#20
Methylene Chloride
Concen: 55.767 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 84 Resp: 111197
Ion Ratio Lower Upper
84 100
49 126.4 108.6 162.8
51 39.2 32.6 48.8
86 65.7 52.0 78.0

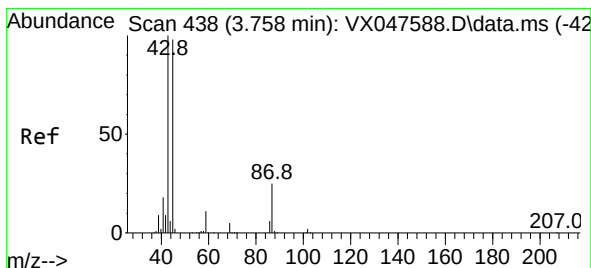
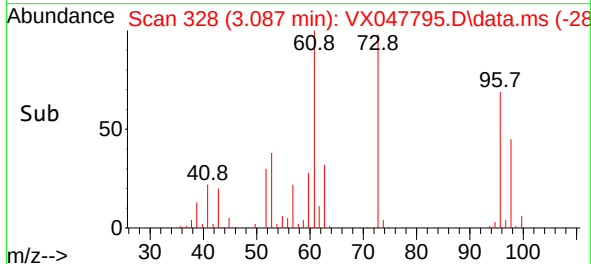
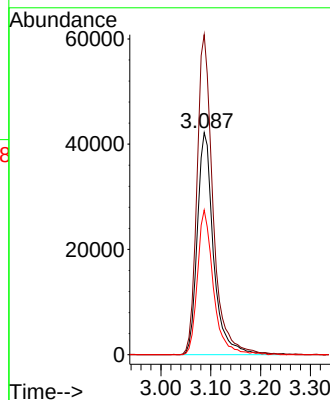
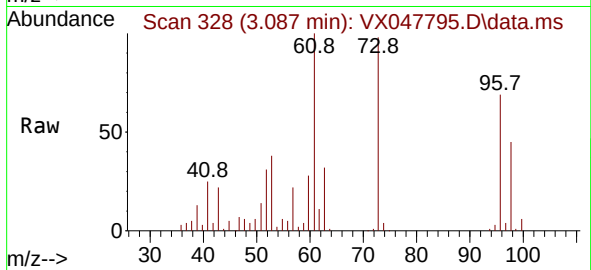




#21
trans-1,2-Dichloroethene
Concen: 54.943 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

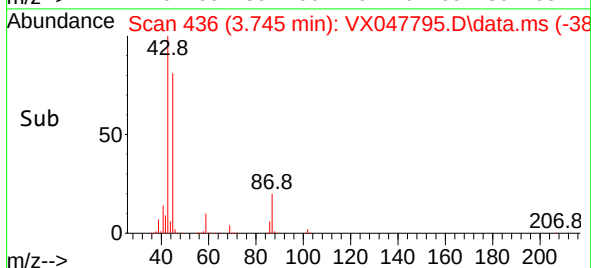
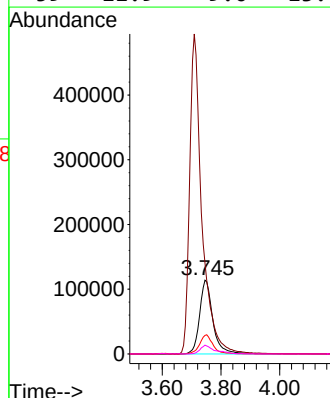
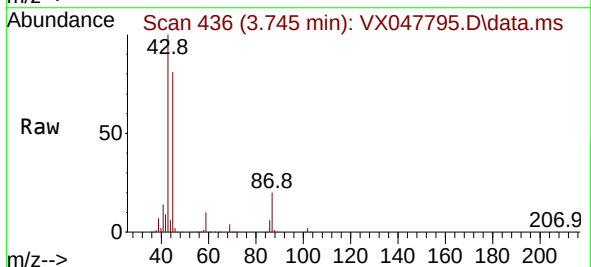
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

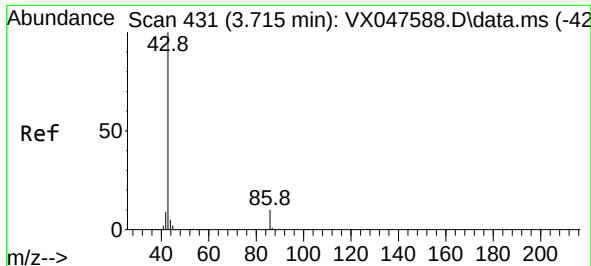
Tgt Ion: 96 Resp: 95656
Ion Ratio Lower Upper
96 100
61 144.0 116.2 174.2
98 66.6 49.3 73.9



#22
Diisopropyl ether
Concen: 55.145 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 45 Resp: 356628
Ion Ratio Lower Upper
45 100
43 122.6 81.0 121.4#
87 25.2 20.3 30.5
59 11.9 9.0 13.4

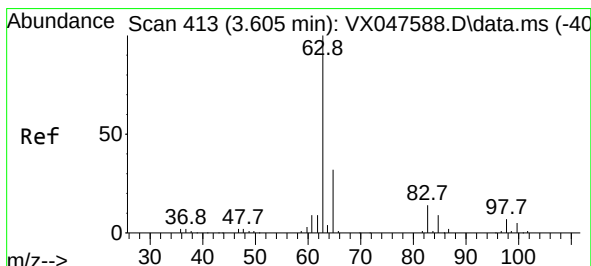
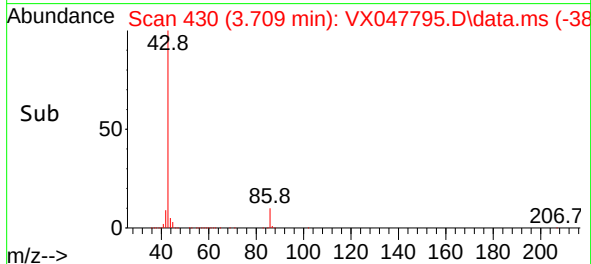
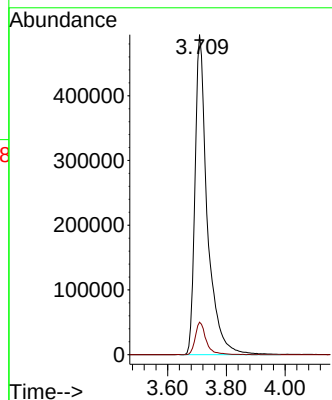
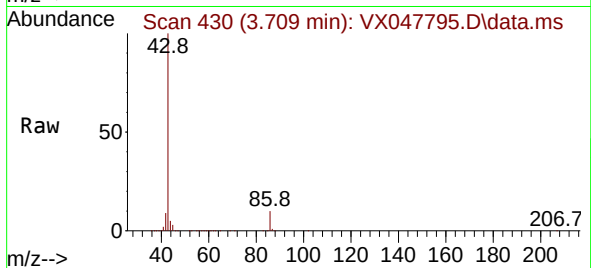




#23
Vinyl Acetate
Concen: 278.368 ug/l
RT: 3.709 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

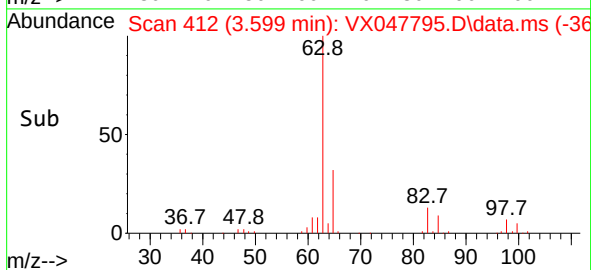
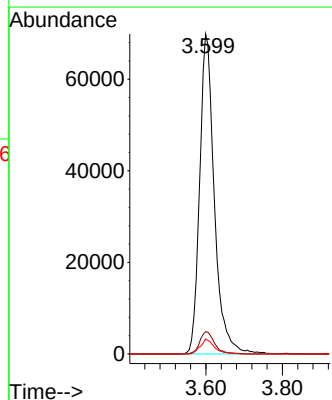
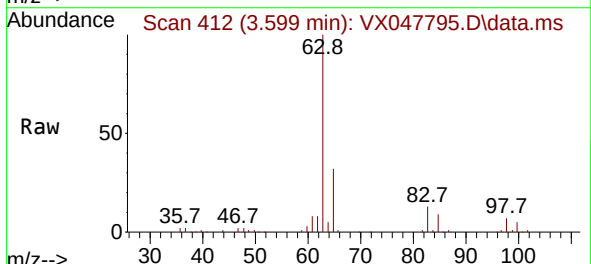
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

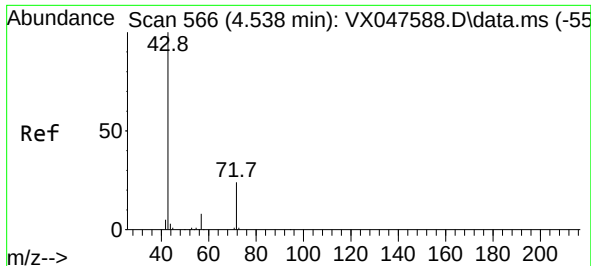
Tgt Ion: 43 Resp: 1440799
Ion Ratio Lower Upper
43 100
86 10.1 7.8 11.8



#24
1,1-Dichloroethane
Concen: 54.236 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 63 Resp: 186425
Ion Ratio Lower Upper
63 100
98 7.0 3.8 11.2
100 4.7 2.3 6.9

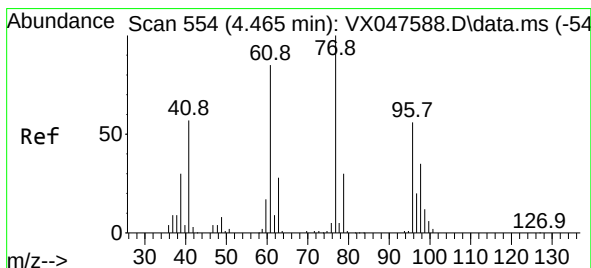
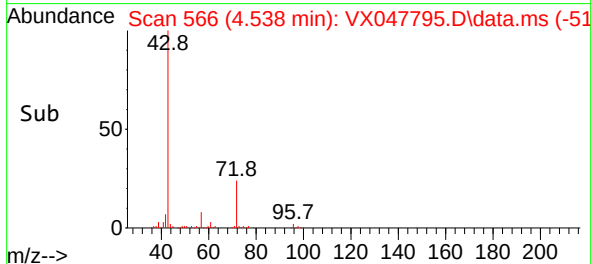
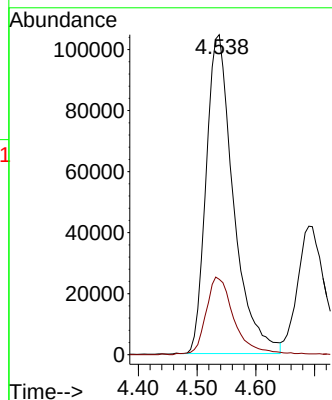
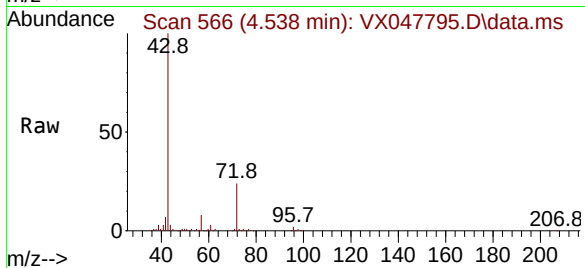




#25
2-Butanone
Concen: 287.179 ug/l
RT: 4.538 min Scan# 511
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

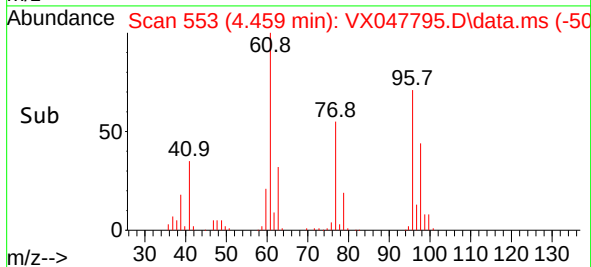
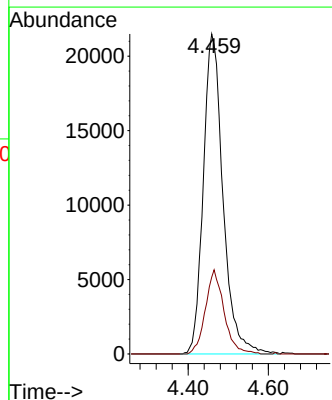
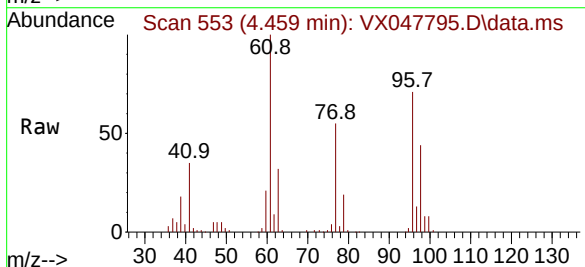
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

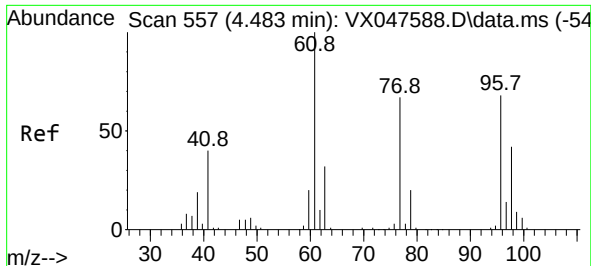
Tgt Ion: 43 Resp: 337440
Ion Ratio Lower Upper
43 100
72 23.2 20.1 30.1



#26
2,2-Dichloropropane
Concen: 25.628 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 77 Resp: 73225
Ion Ratio Lower Upper
77 100
97 24.9 10.9 32.7

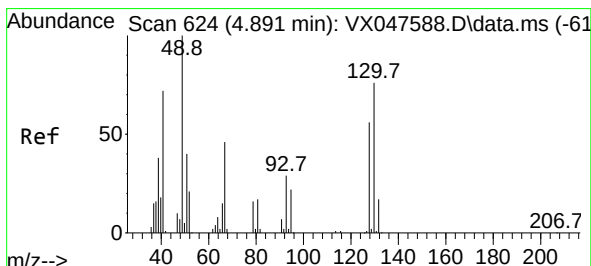
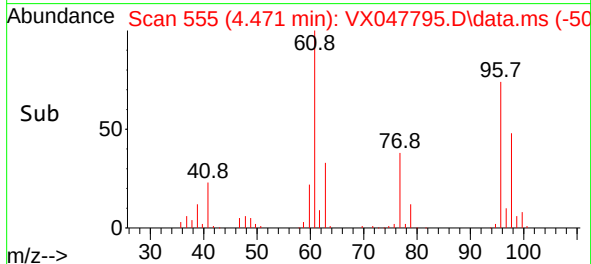
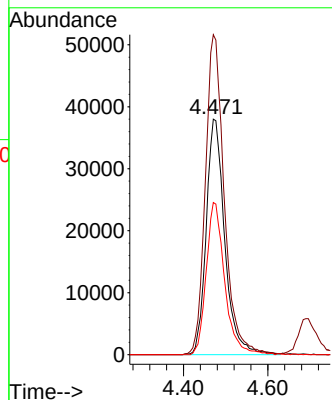
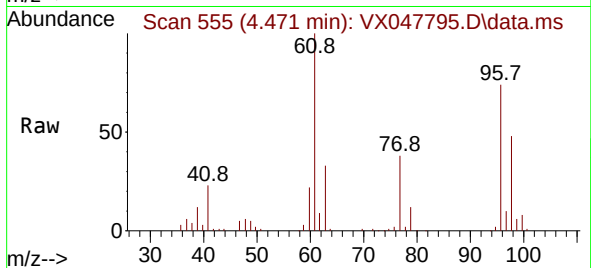




#27
 cis-1,2-Dichloroethene
 Concen: 54.540 ug/l
 RT: 4.471 min Scan# 511
 Delta R.T. -0.012 min
 Lab File: VX047795.D
 Acq: 25 Sep 2025 08:56

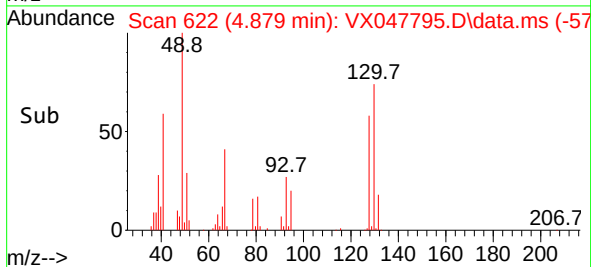
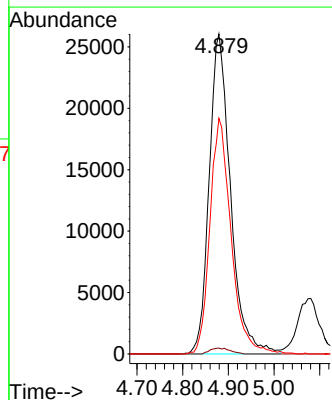
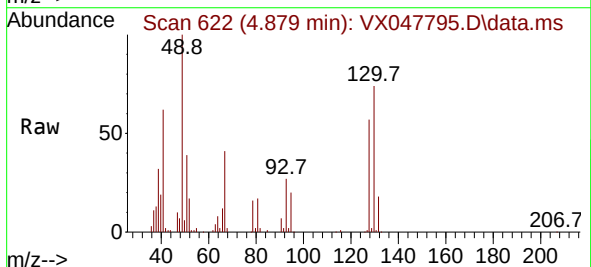
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

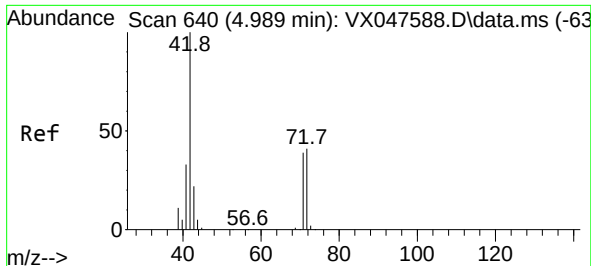
Tgt Ion: 96 Resp: 116288
 Ion Ratio Lower Upper
 96 100
 61 138.6 0.0 303.2
 98 64.2 0.0 127.8



#28
 Bromochloromethane
 Concen: 56.300 ug/l
 RT: 4.879 min Scan# 622
 Delta R.T. -0.012 min
 Lab File: VX047795.D
 Acq: 25 Sep 2025 08:56

Tgt Ion: 49 Resp: 84484
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.2
 130 73.2 57.8 86.8





#29

Tetrahydrofuran

Concen: 307.408 ug/l

RT: 4.983 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

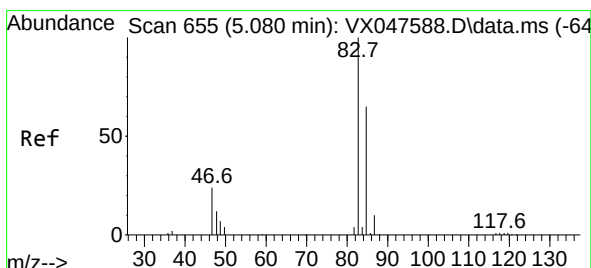
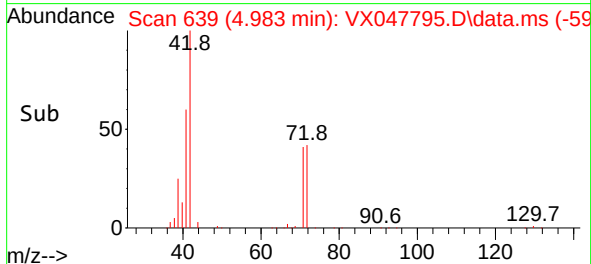
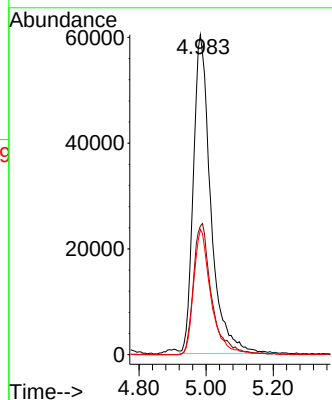
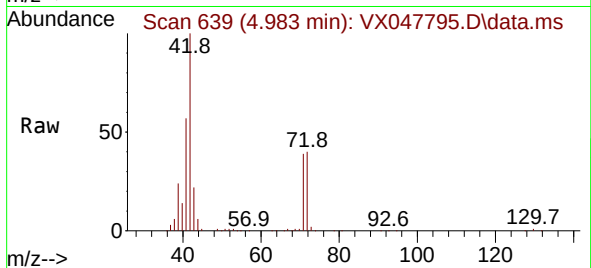
Tgt Ion: 42 Resp: 217295

Ion Ratio Lower Upper

42 100

72 42.9 34.2 51.2

71 39.0 31.9 47.9



#30

Chloroform

Concen: 55.697 ug/l

RT: 5.074 min Scan# 654

Delta R.T. -0.006 min

Lab File: VX047795.D

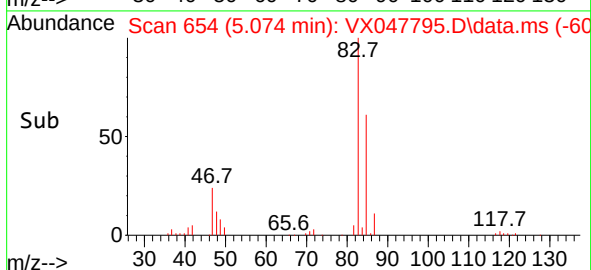
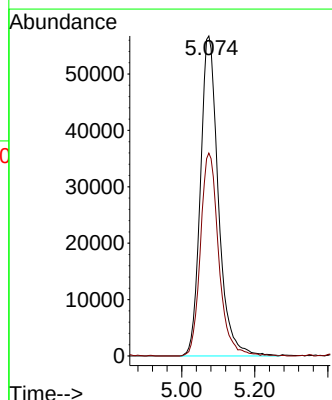
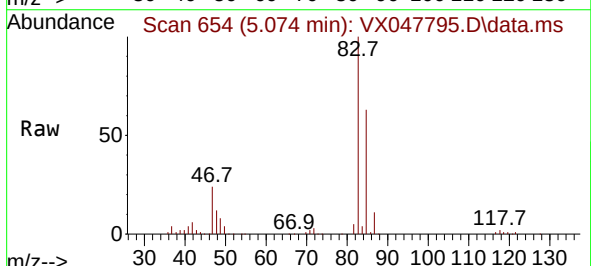
Acq: 25 Sep 2025 08:56

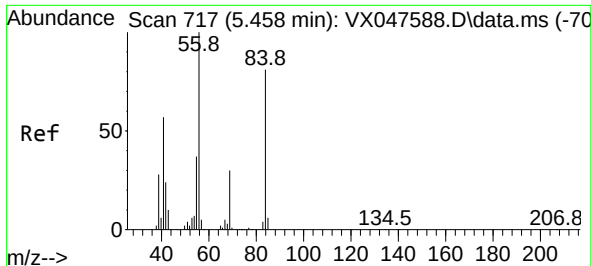
Tgt Ion: 83 Resp: 193461

Ion Ratio Lower Upper

83 100

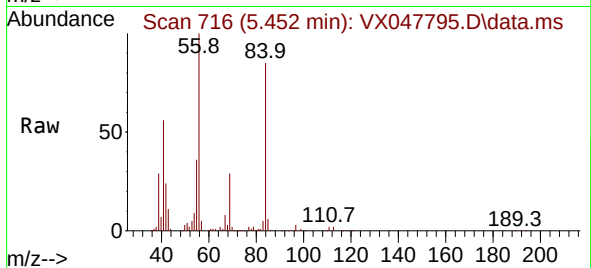
85 63.4 51.8 77.6





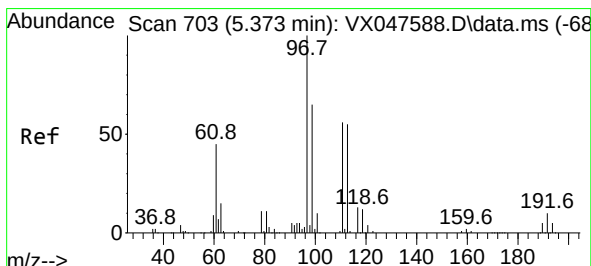
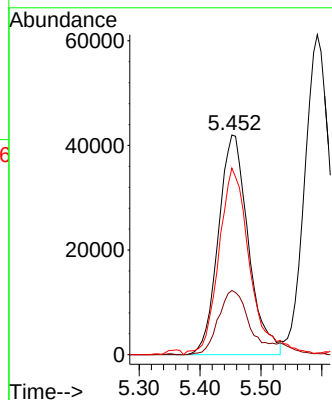
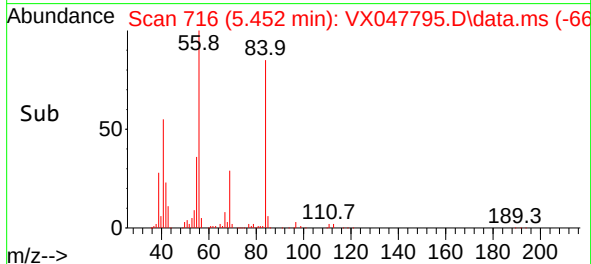
#31
Cyclohexane
Concen: 50.203 ug/l
RT: 5.452 min Scan# 716
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 143723

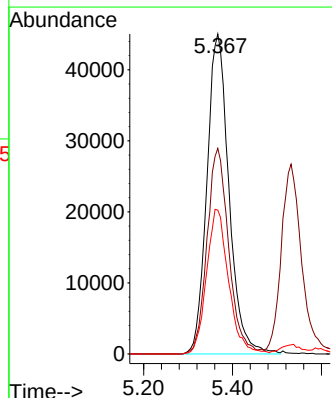
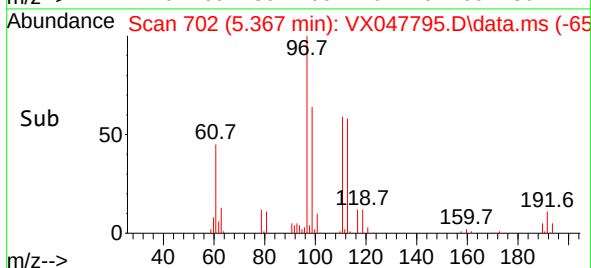
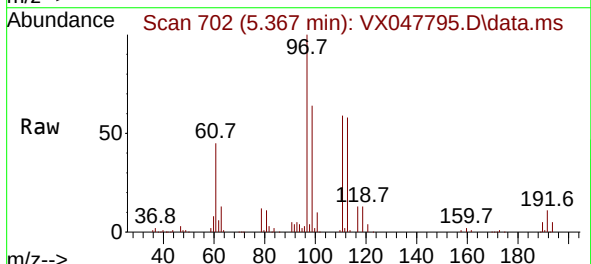
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.8	35.8
84	83.0	64.6	97.0

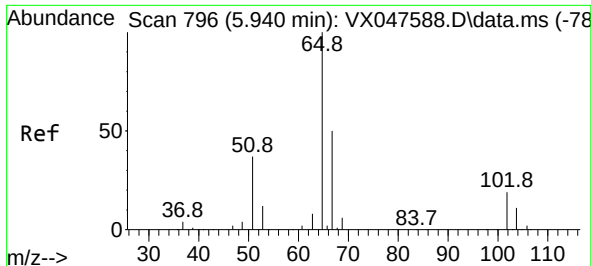


#32
1,1,1-Trichloroethane
Concen: 52.743 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 97 Resp: 155394

Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.6	76.0
61	45.3	35.8	53.8

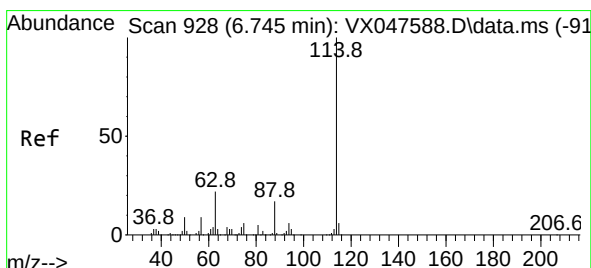
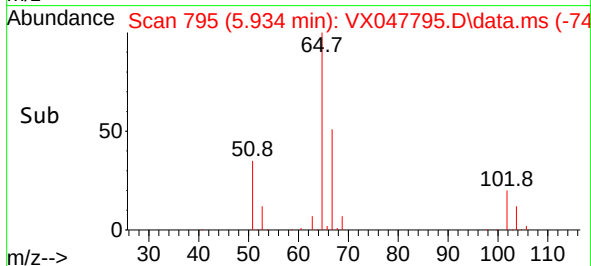
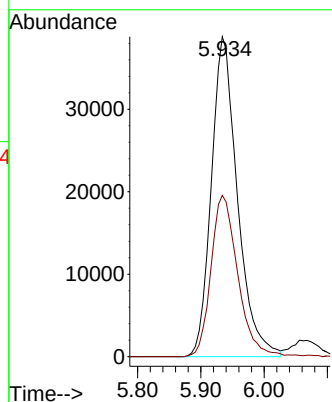
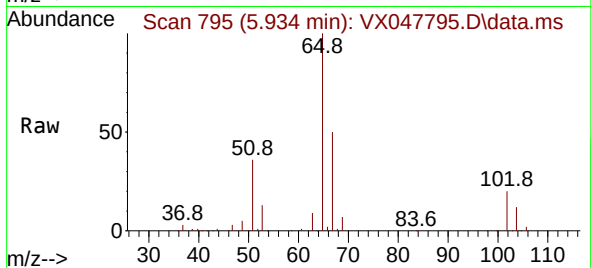




#33
1,2-Dichloroethane-d4
Concen: 51.305 ug/l
RT: 5.934 min Scan# 795
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

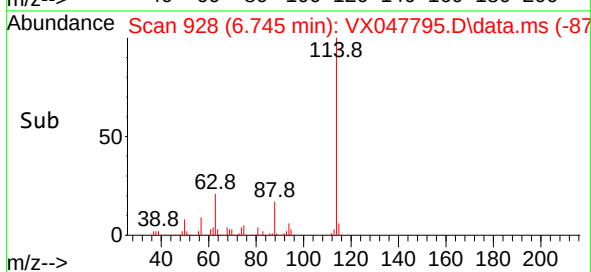
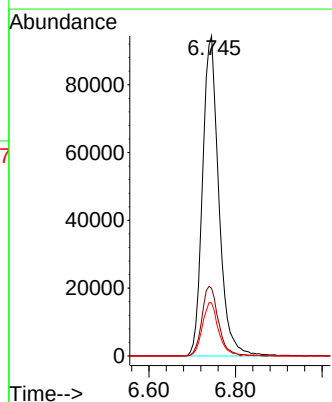
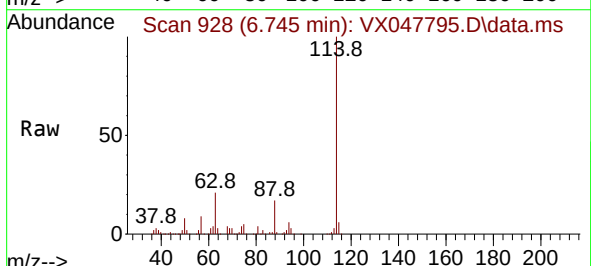
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

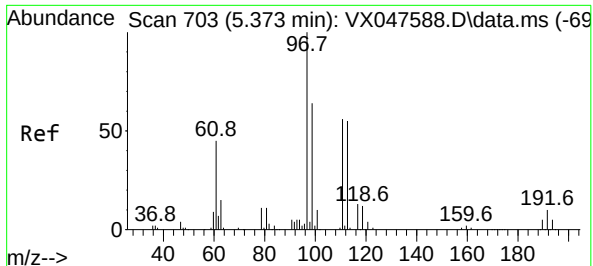
Tgt Ion: 65 Resp: 111151
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 114 Resp: 245940
Ion Ratio Lower Upper
114 100
63 21.1 0.0 44.0
88 16.6 0.0 34.2





#35

Dibromofluoromethane

Concen: 52.379 ug/l

RT: 5.367 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

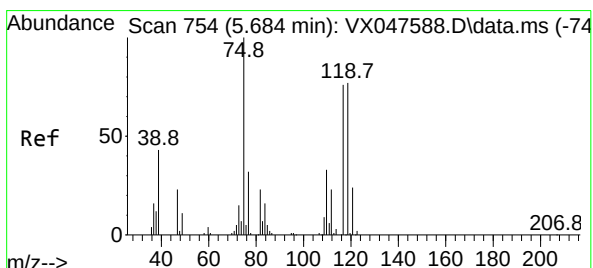
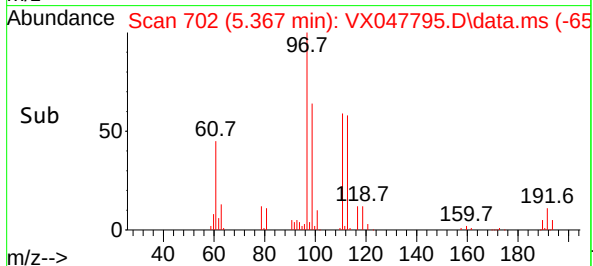
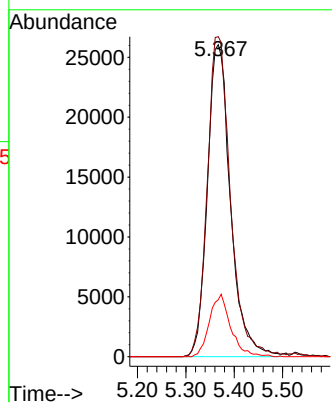
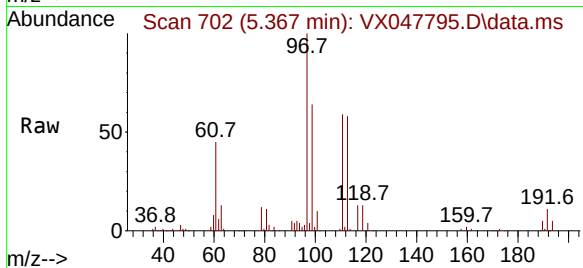
Tgt Ion:113 Resp: 86395

Ion Ratio Lower Upper

113 100

111 103.1 80.9 121.3

192 18.4 14.2 21.4



#36

1,1-Dichloropropene

Concen: 49.510 ug/l

RT: 5.672 min Scan# 752

Delta R.T. -0.012 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

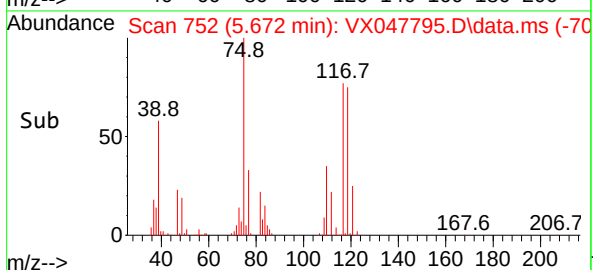
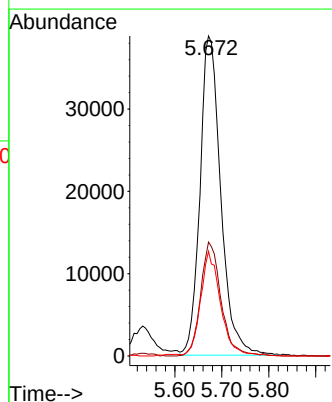
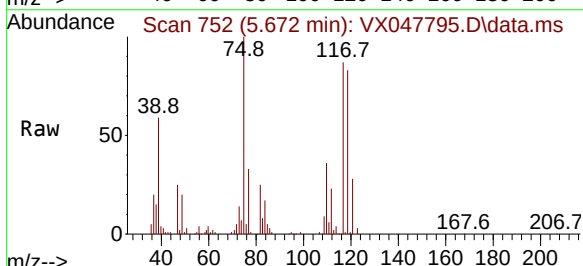
Tgt Ion: 75 Resp: 119329

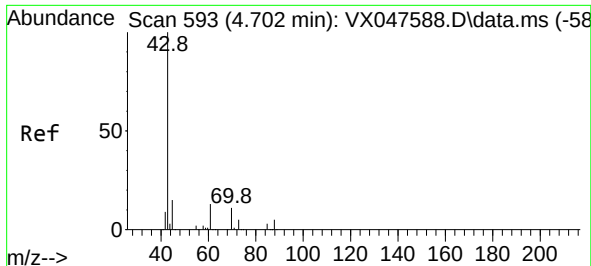
Ion Ratio Lower Upper

75 100

110 34.8 16.7 50.1

77 31.4 24.3 36.5





#37

Ethyl Acetate

Concen: 55.984 ug/l

RT: 4.690 min Scan# 591

Delta R.T. -0.012 min

Lab File: VX047795.D

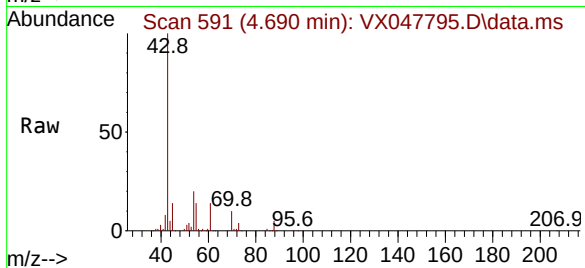
Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050



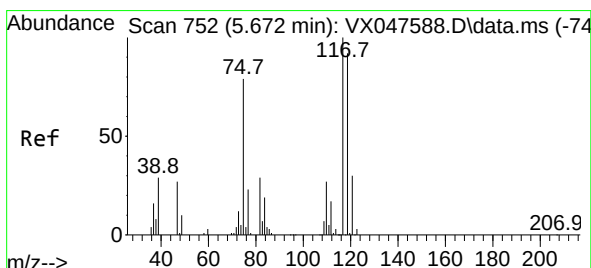
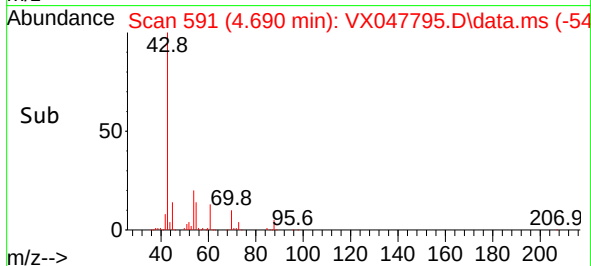
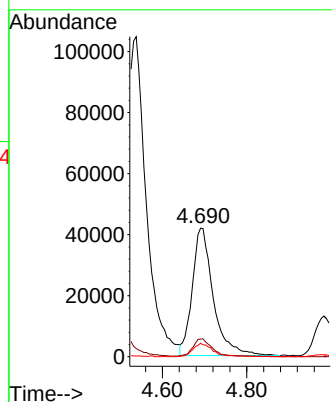
Tgt Ion: 43 Resp: 144473

Ion Ratio Lower Upper

43 100

61 13.5 9.8 14.8

70 9.8 7.9 11.9



#38

Carbon Tetrachloride

Concen: 50.553 ug/l

RT: 5.660 min Scan# 750

Delta R.T. -0.012 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

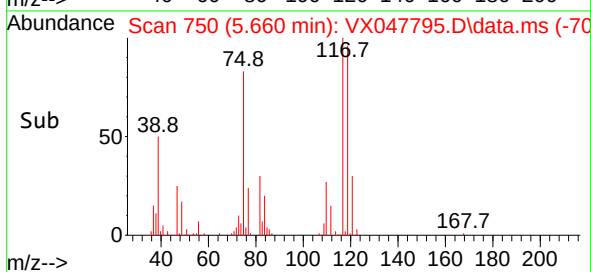
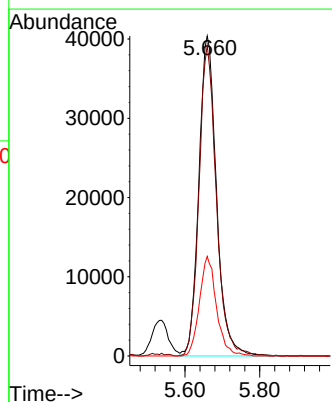
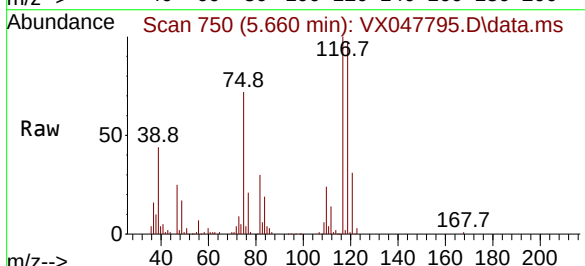
Tgt Ion: 117 Resp: 132383

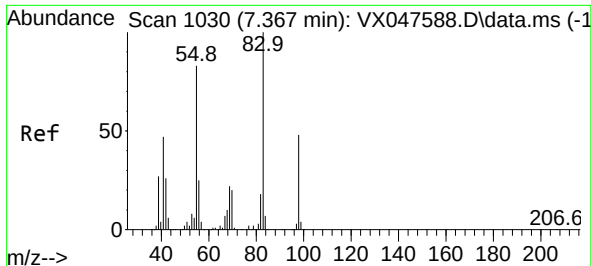
Ion Ratio Lower Upper

117 100

119 97.2 73.4 110.2

121 31.1 23.8 35.6

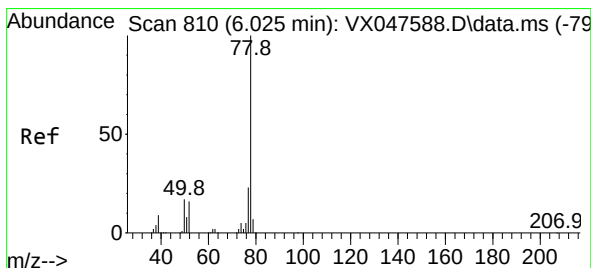
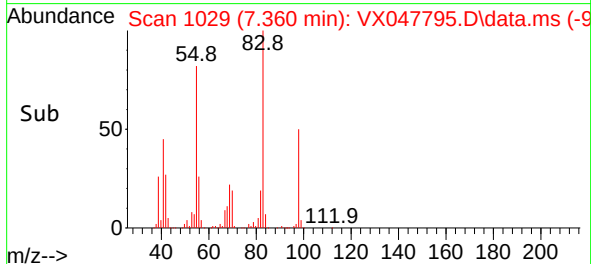
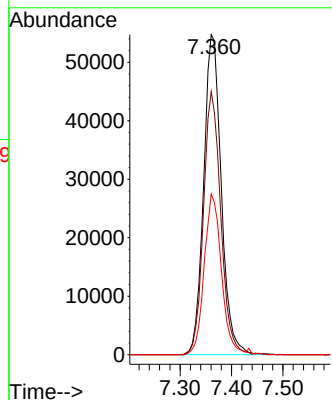
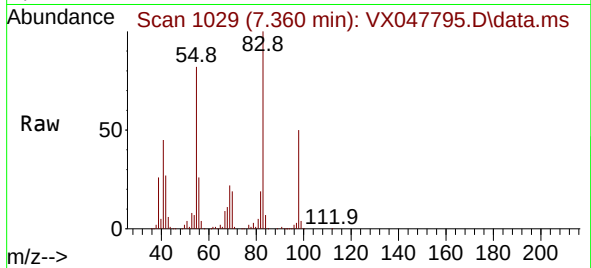




#39
Methylcyclohexane
Concen: 47.613 ug/l
RT: 7.360 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

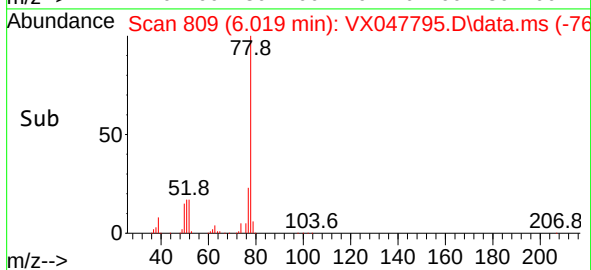
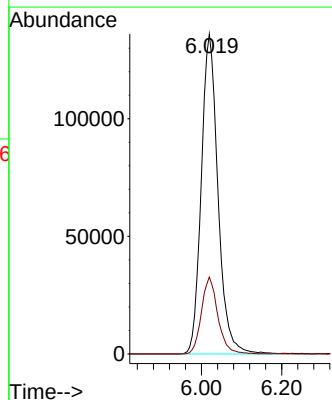
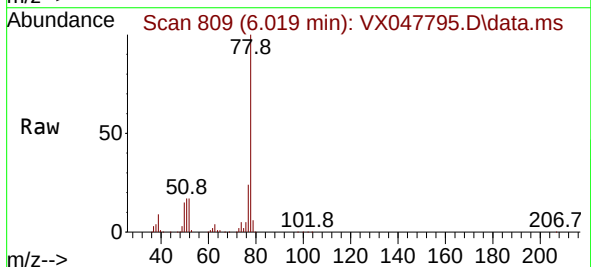
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

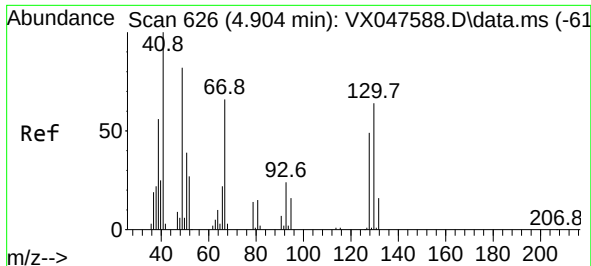
Tgt Ion:	83	Resp:	130264
Ion	Ratio	Lower	Upper
83	100		
55	82.2	66.4	99.6
98	50.3	38.1	57.1



#40
Benzene
Concen: 53.689 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion:	78	Resp:	393020
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

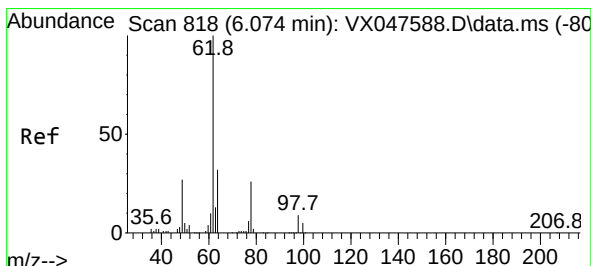
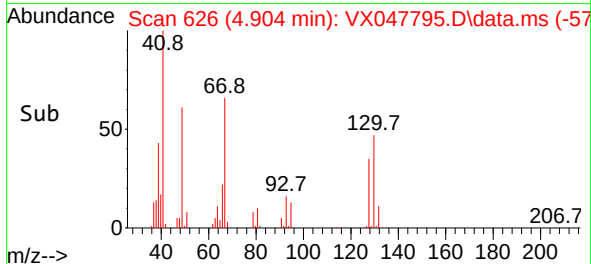
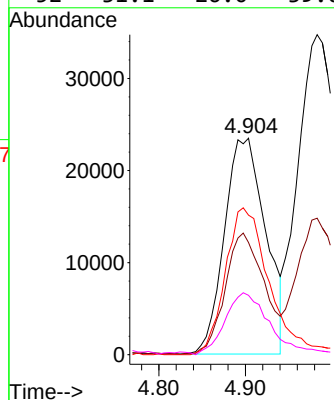
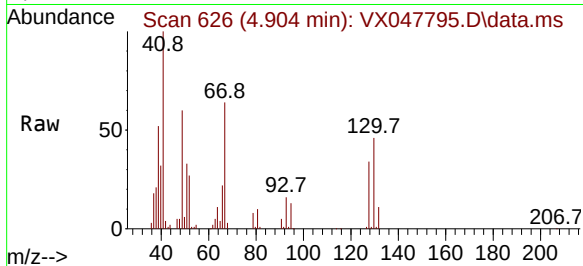




#41
Methacrylonitrile
Concen: 58.352 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

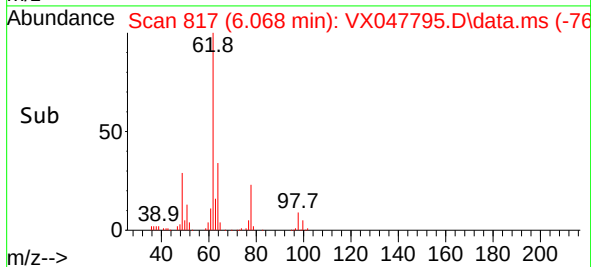
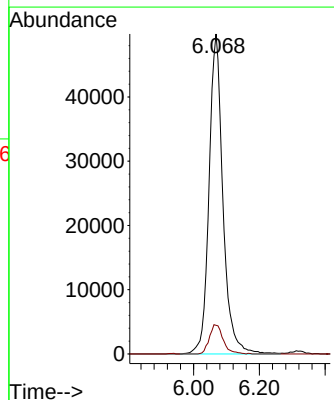
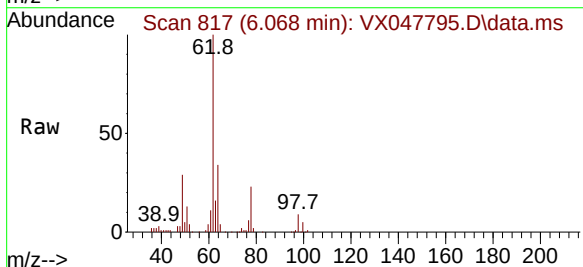
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

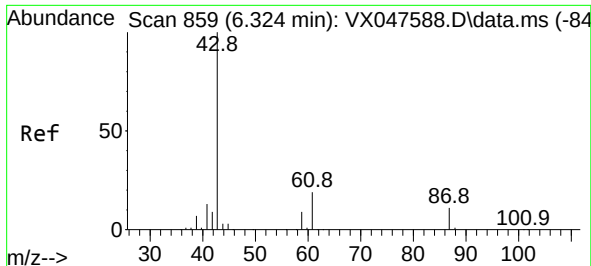
Tgt Ion:	41	Resp:	77739
Ion	Ratio	Lower	Upper
41	100		
39	53.2	43.3	64.9
67	73.2	58.6	87.8
52	31.1	26.0	39.0



#42
1,2-Dichloroethane
Concen: 52.455 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion:	62	Resp:	146101
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.0

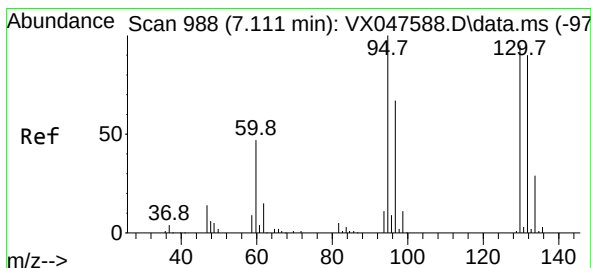
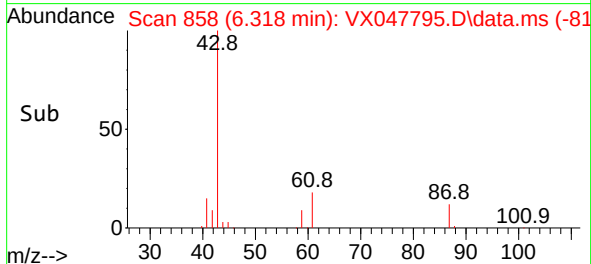
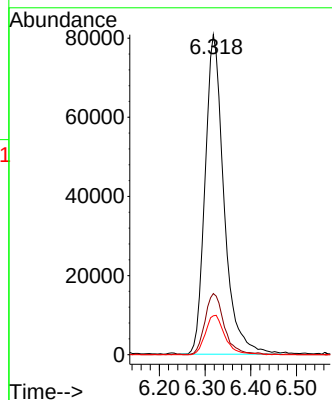
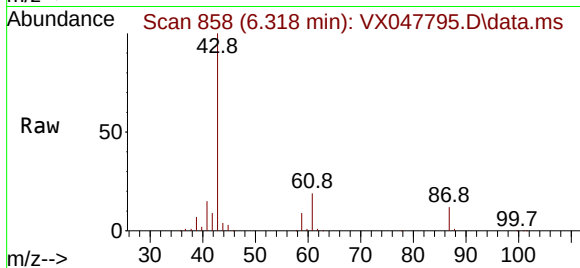




#43
Isopropyl Acetate
Concen: 54.813 ug/l
RT: 6.318 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

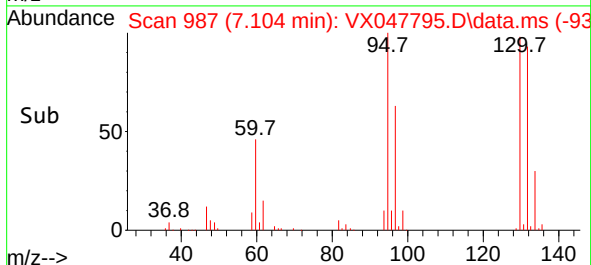
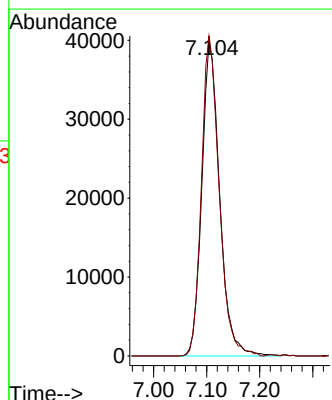
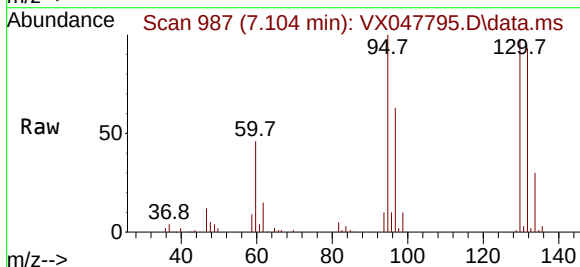
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

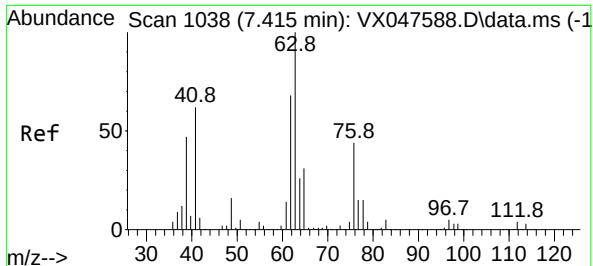
Tgt Ion: 43 Resp: 231987
Ion Ratio Lower Upper
43 100
61 19.6 15.2 22.8
87 12.7 9.6 14.4



#44
Trichloroethene
Concen: 52.779 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion:130 Resp: 93408
Ion Ratio Lower Upper
130 100
95 101.8 0.0 210.8





#45

1,2-Dichloropropane

Concen: 54.802 ug/l

RT: 7.409 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

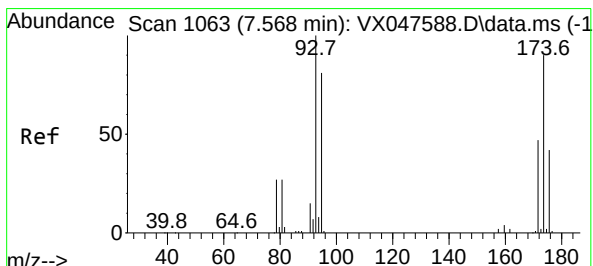
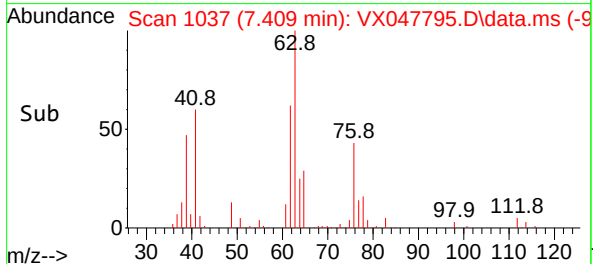
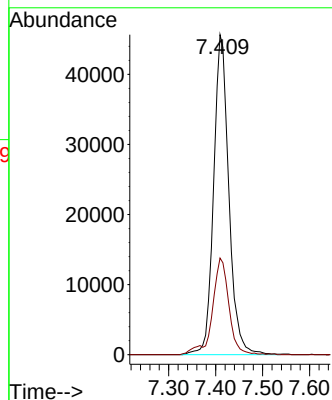
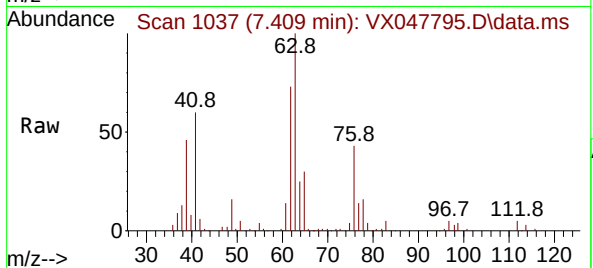
VSTDCCC050

Tgt Ion: 63 Resp: 102723

Ion Ratio Lower Upper

63 100

65 30.2 24.7 37.1



#46

Dibromomethane

Concen: 53.611 ug/l

RT: 7.562 min Scan# 1062

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

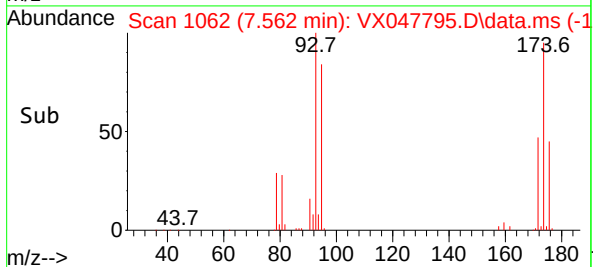
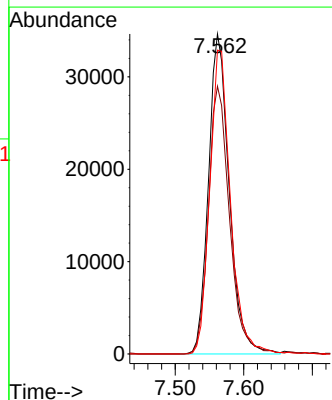
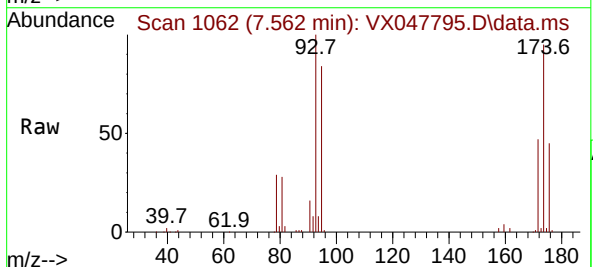
Tgt Ion: 93 Resp: 73128

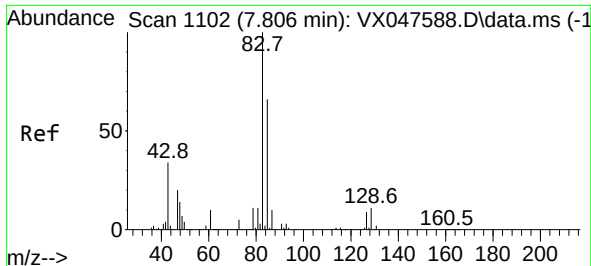
Ion Ratio Lower Upper

93 100

95 85.0 65.0 97.6

174 94.9 71.6 107.4

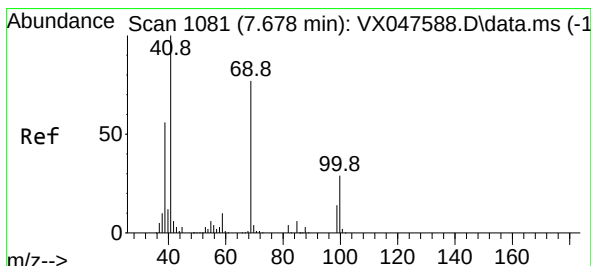
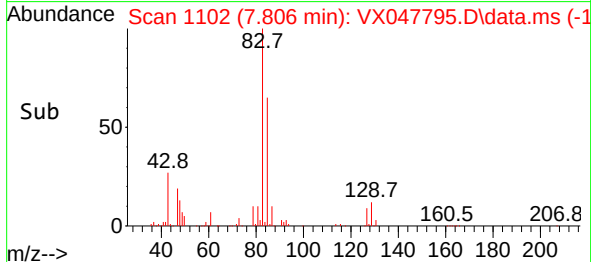
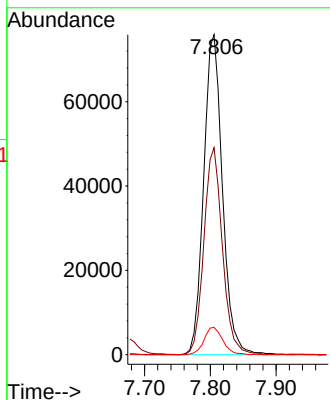
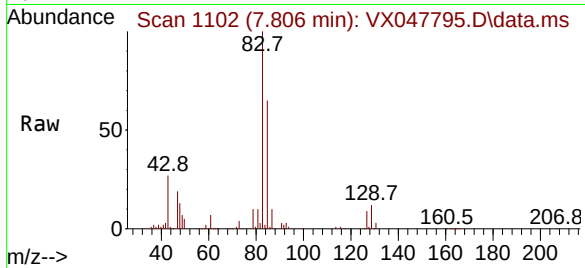




#47
Bromodichloromethane
Concen: 53.552 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

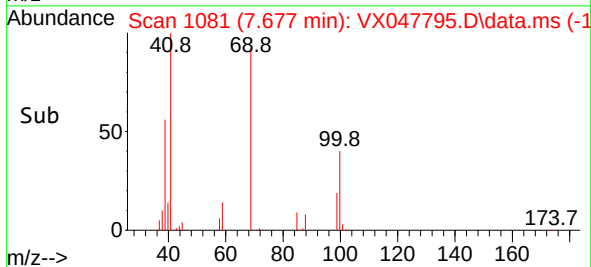
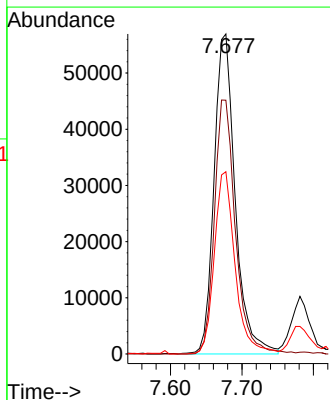
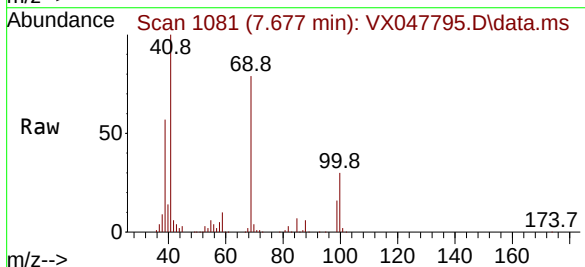
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

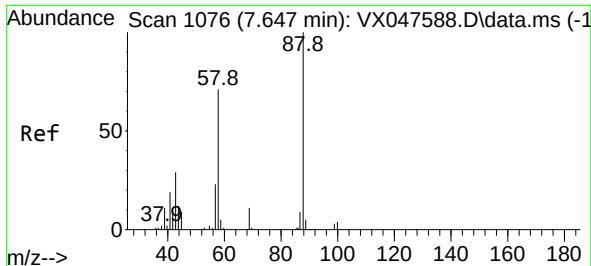
Tgt Ion: 83 Resp: 150738
Ion Ratio Lower Upper
83 100
85 64.7 52.5 78.7
127 8.5 6.9 10.3



#48
Methyl methacrylate
Concen: 55.683 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 41 Resp: 117391
Ion Ratio Lower Upper
41 100
69 78.8 61.4 92.2
39 55.9 45.8 68.6





#49

1,4-Dioxane

Concen: 1335.620 ug/l

RT: 7.641 min Scan# 1075

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

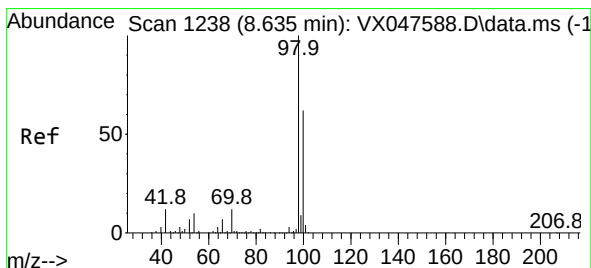
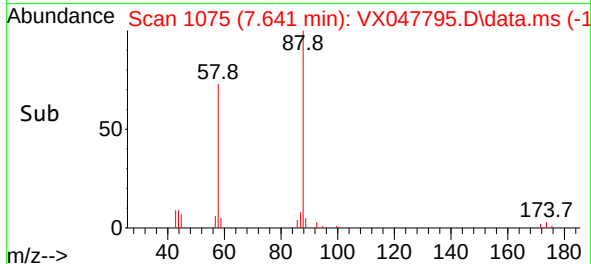
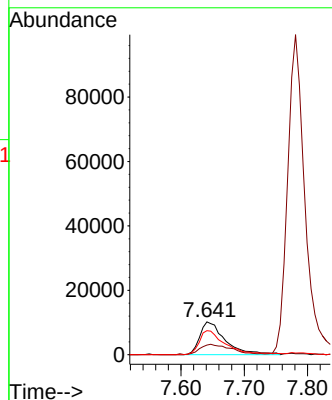
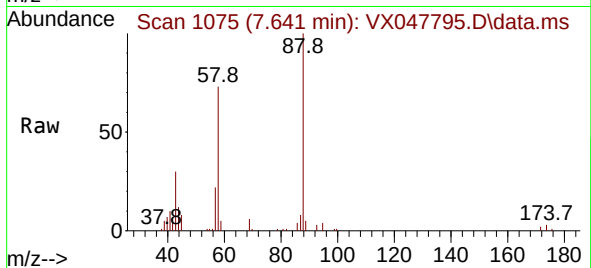
Tgt Ion: 88 Resp: 28456

Ion Ratio Lower Upper

88 100

43 37.7 30.2 45.2

58 75.4 59.5 89.3



#50

Toluene-d8

Concen: 50.933 ug/l

RT: 8.629 min Scan# 1237

Delta R.T. -0.006 min

Lab File: VX047795.D

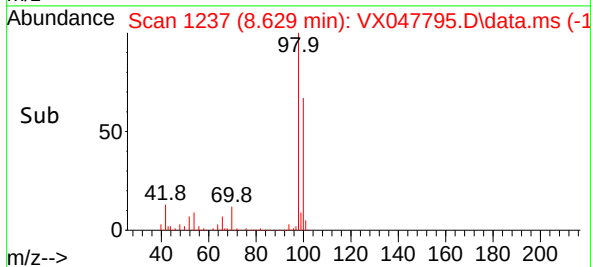
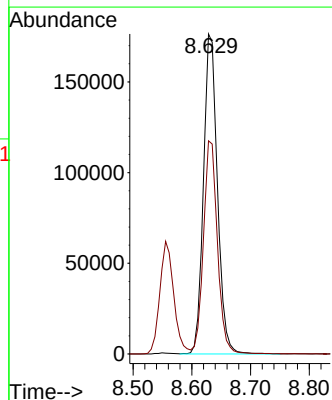
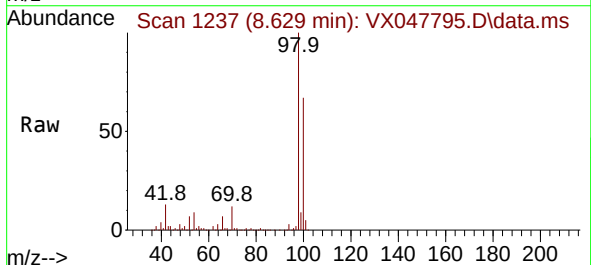
Acq: 25 Sep 2025 08:56

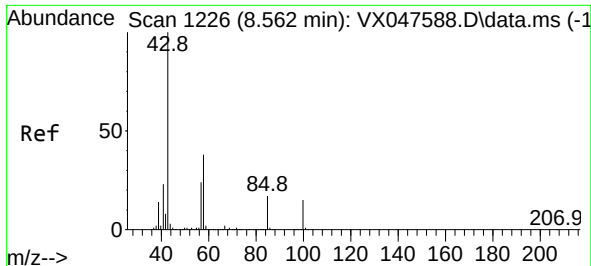
Tgt Ion: 98 Resp: 290687

Ion Ratio Lower Upper

98 100

100 66.8 53.0 79.4

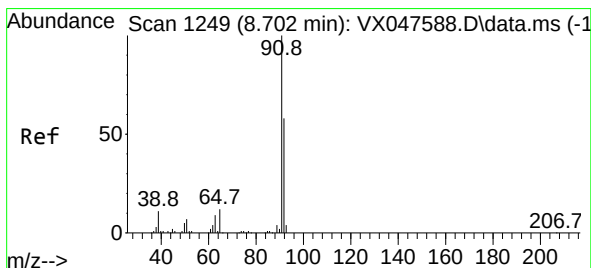
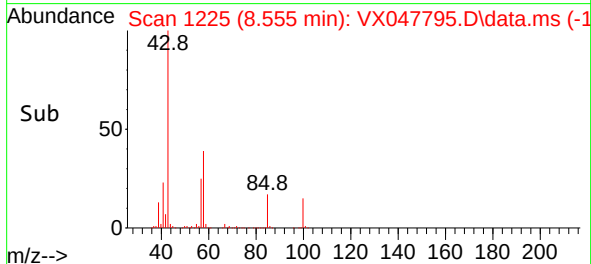
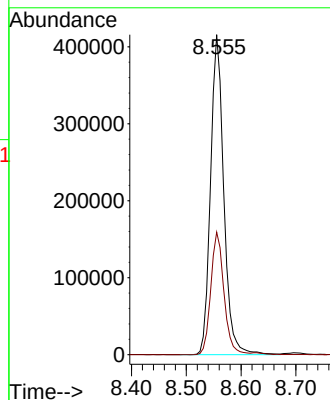
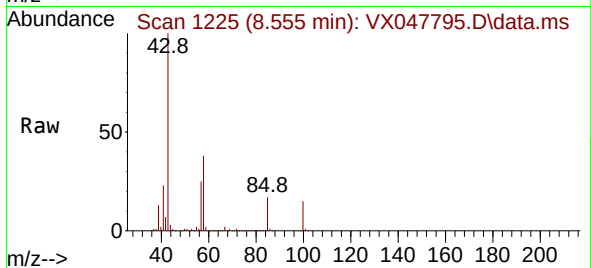




#51
4-Methyl-2-Pentanone
Concen: 296.468 ug/l
RT: 8.555 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

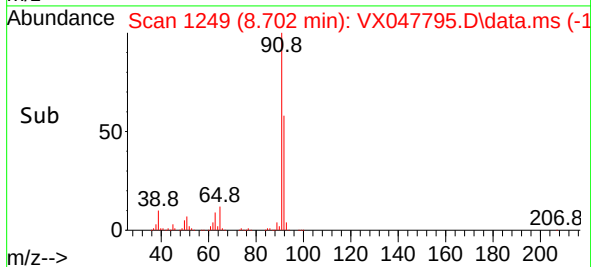
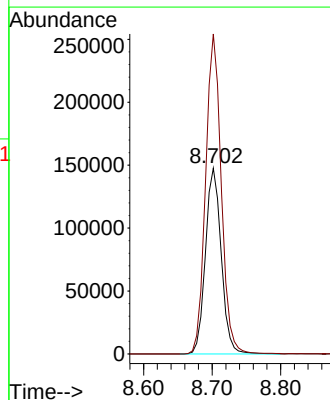
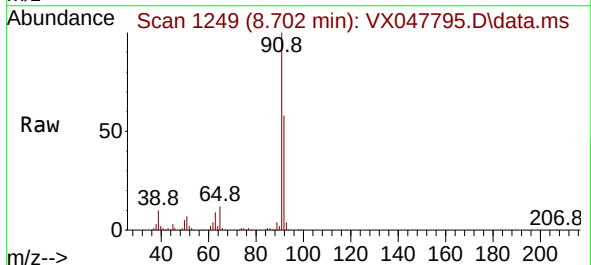
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

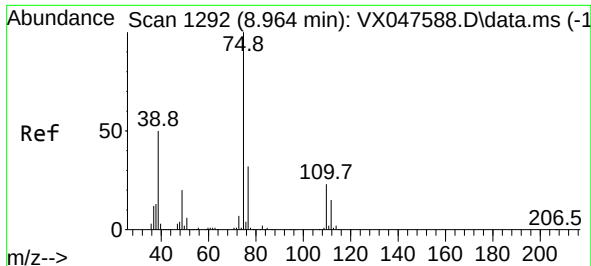
Tgt Ion: 43 Resp: 695695
Ion Ratio Lower Upper
43 100
58 38.0 30.3 45.5



#52
Toluene
Concen: 52.436 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 92 Resp: 236487
Ion Ratio Lower Upper
92 100
91 171.1 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 46.584 ug/l

RT: 8.964 min Scan# 1191

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

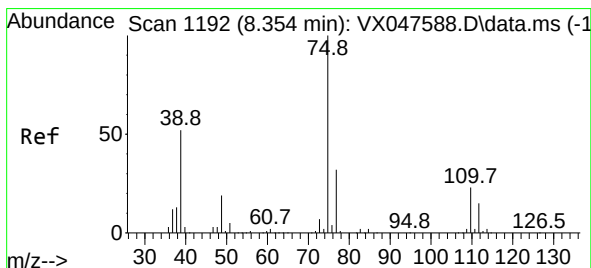
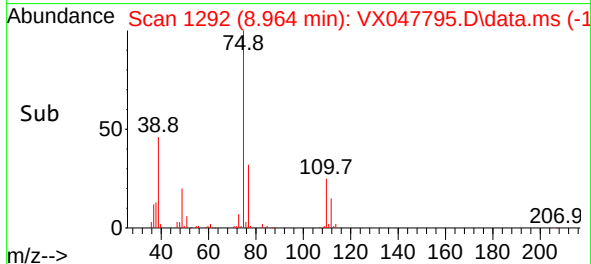
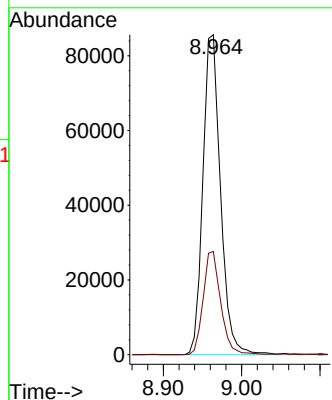
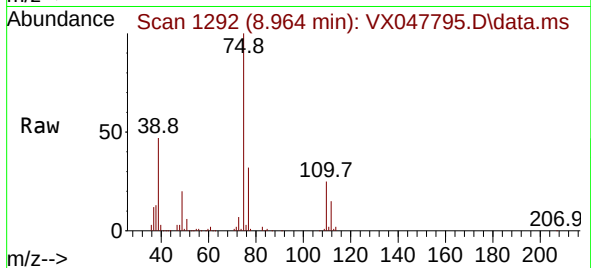
VSTDCCC050

Tgt Ion: 75 Resp: 133747

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 48.178 ug/l

RT: 8.348 min Scan# 1191

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

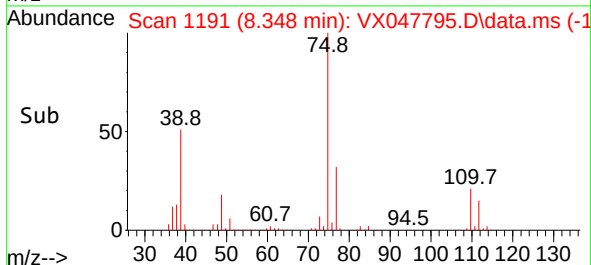
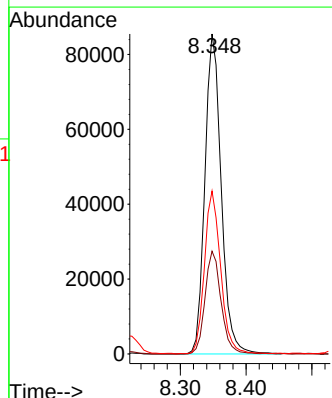
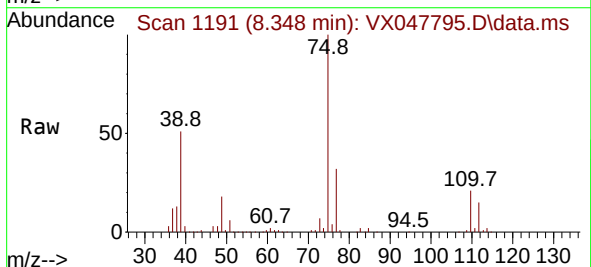
Tgt Ion: 75 Resp: 147846

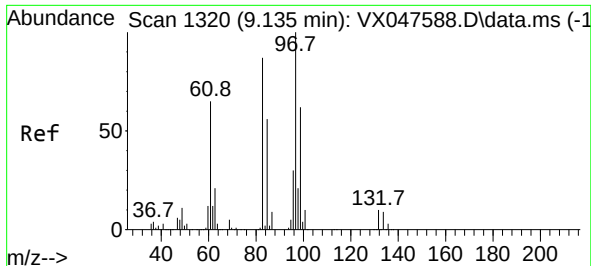
Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6

39 50.1 41.4 62.2

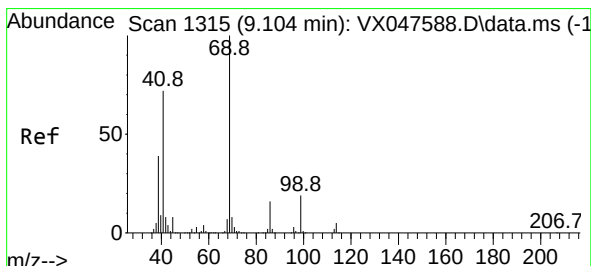
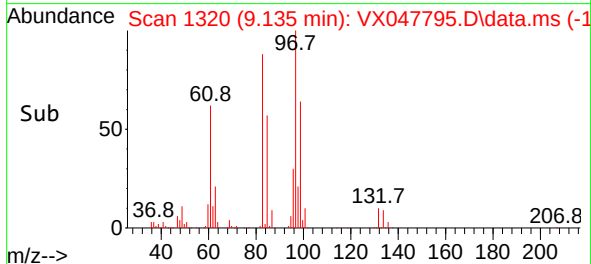
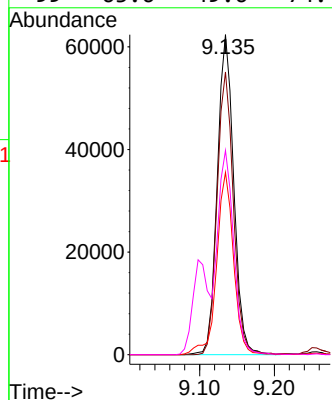
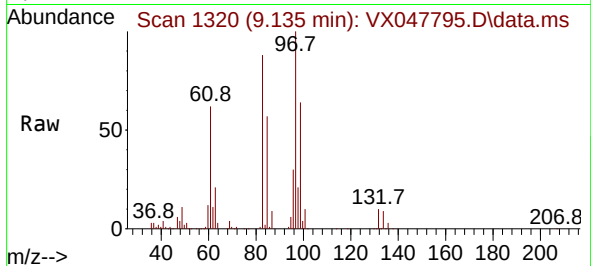




#55
1,1,2-Trichloroethane
Concen: 55.106 ug/l
RT: 9.135 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

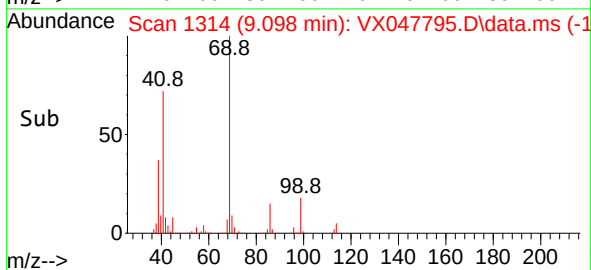
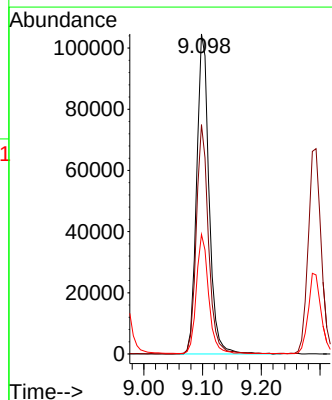
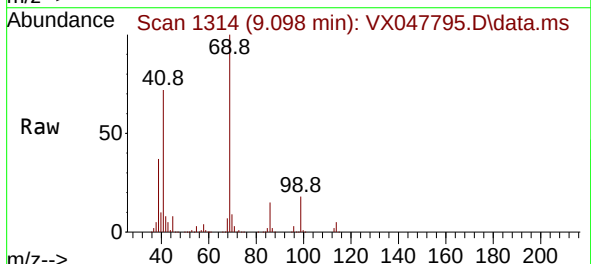
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

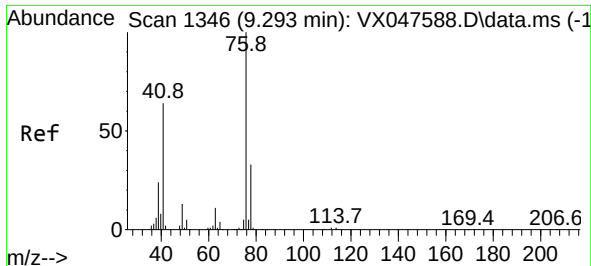
Tgt Ion:	97	Resp:	95832
Ion	Ratio	Lower	Upper
97	100		
83	88.4	69.6	104.4
85	56.9	45.0	67.6
99	63.6	49.6	74.4



#56
Ethyl methacrylate
Concen: 56.190 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion:	69	Resp:	153461
Ion	Ratio	Lower	Upper
69	100		
41	70.7	58.6	87.8
39	36.7	31.5	47.3

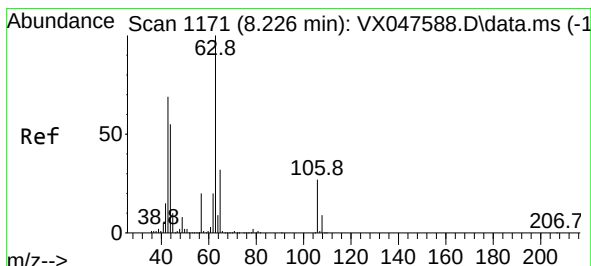
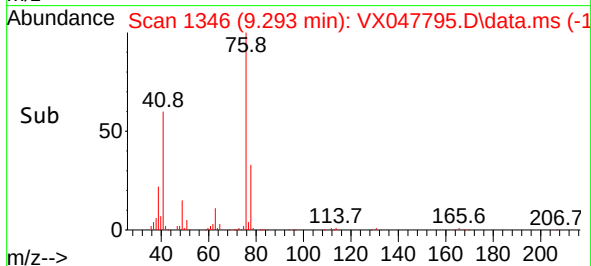
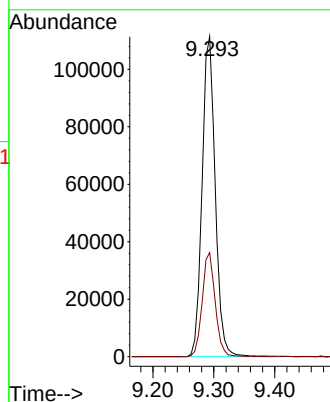
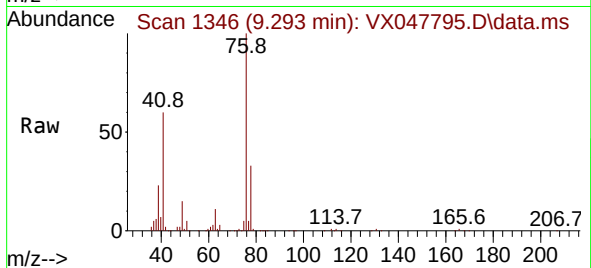




#57
1,3-Dichloropropane
Concen: 55.801 ug/l
RT: 9.293 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

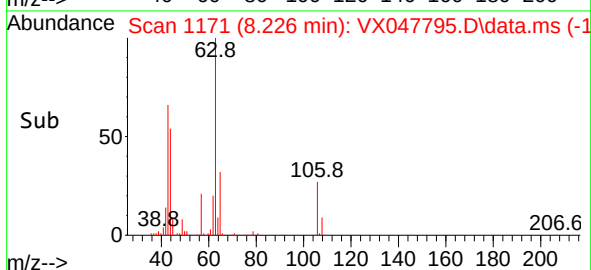
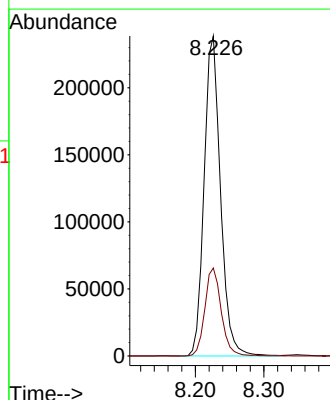
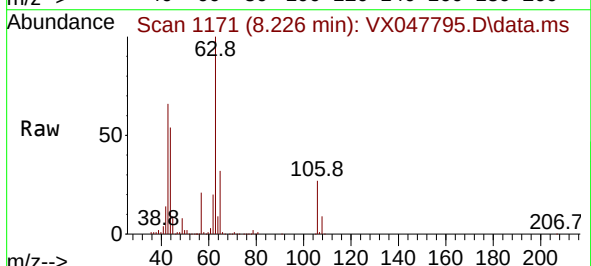
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

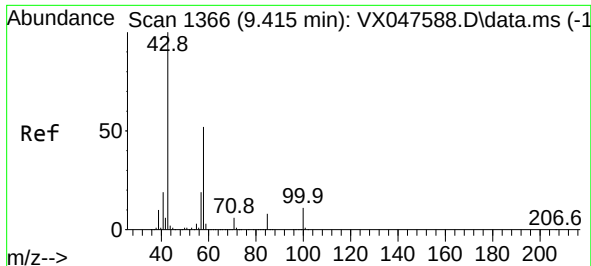
Tgt Ion: 76 Resp: 166700
Ion Ratio Lower Upper
76 100
78 32.2 26.2 39.4



#58
2-Chloroethyl Vinyl ether
Concen: 300.637 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 63 Resp: 397473
Ion Ratio Lower Upper
63 100
106 27.5 21.9 32.9





#59

2-Hexanone

Concen: 285.853 ug/l

RT: 9.415 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

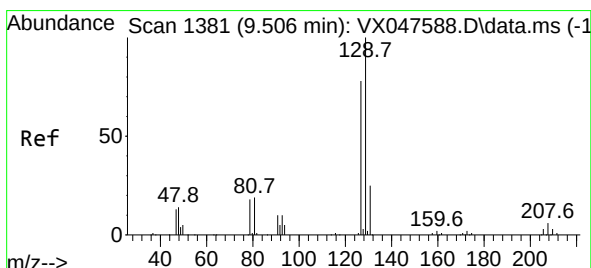
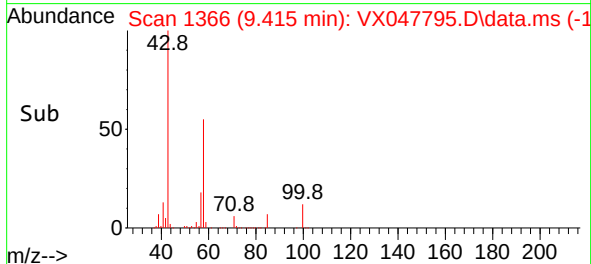
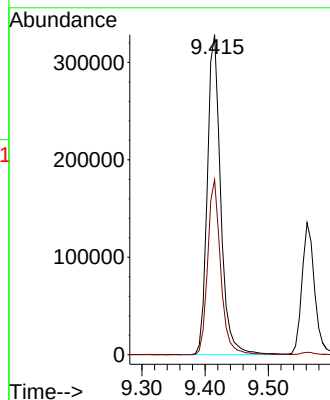
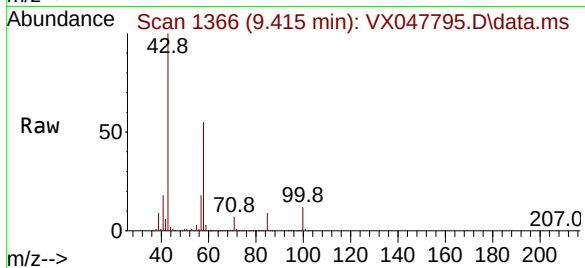
VSTDCCC050

Tgt Ion: 43 Resp: 481760

Ion Ratio Lower Upper

43 100

58 53.4 26.1 78.2



#60

Dibromochloromethane

Concen: 55.147 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VX047795.D

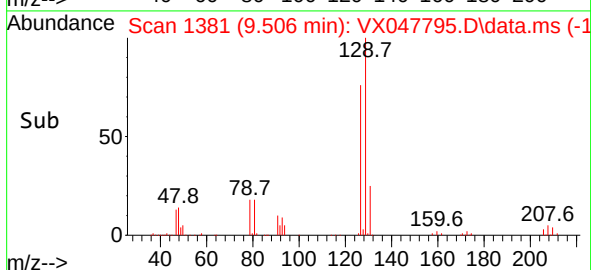
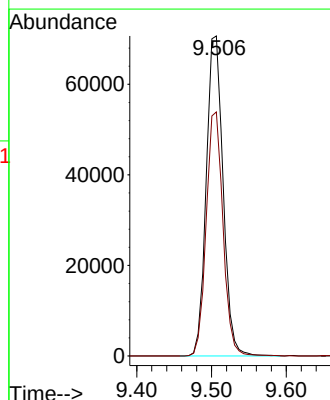
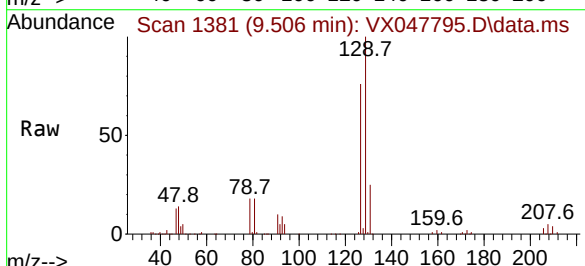
Acq: 25 Sep 2025 08:56

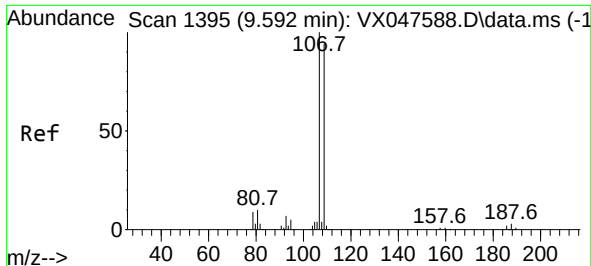
Tgt Ion: 129 Resp: 110503

Ion Ratio Lower Upper

129 100

127 76.0 38.4 115.2





#61

1,2-Dibromoethane

Concen: 56.807 ug/l

RT: 9.592 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

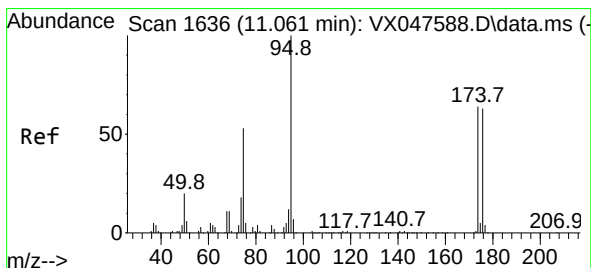
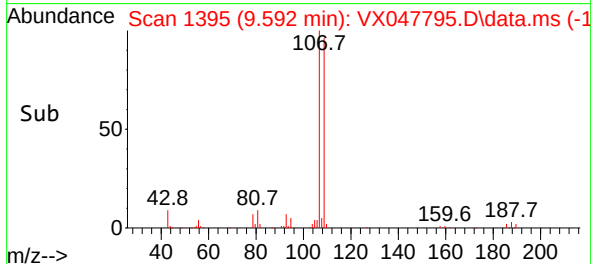
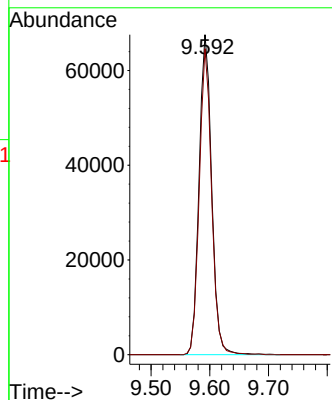
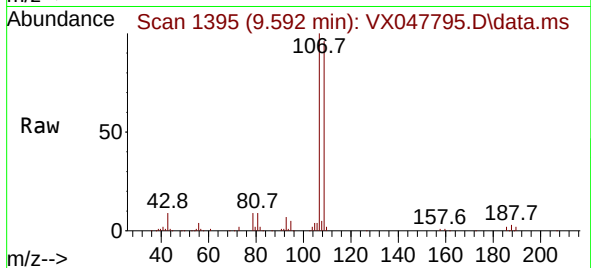
VSTDCCC050

Tgt Ion:107 Resp: 100623

Ion Ratio Lower Upper

107 100

109 93.6 75.3 112.9



#62

4-Bromofluorobenzene

Concen: 50.317 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

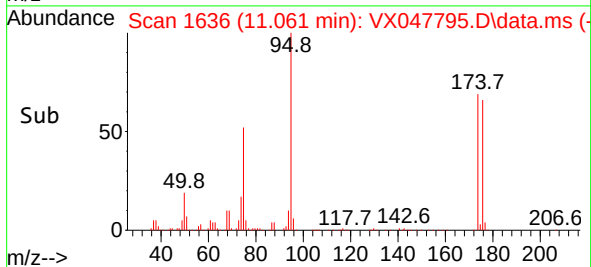
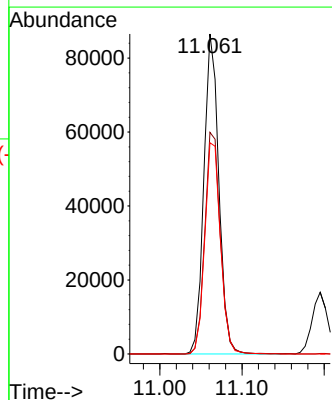
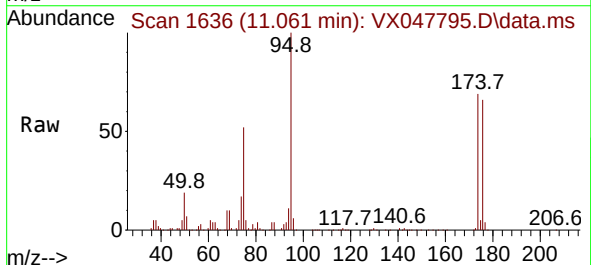
Tgt Ion: 95 Resp: 108988

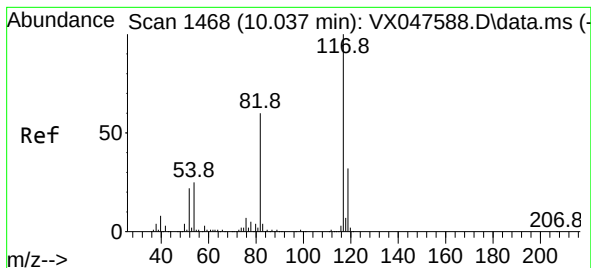
Ion Ratio Lower Upper

95 100

174 72.7 0.0 141.6

176 69.5 0.0 138.4

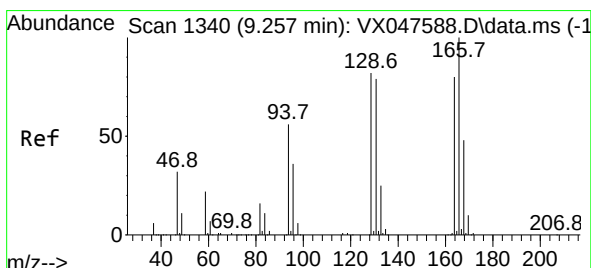
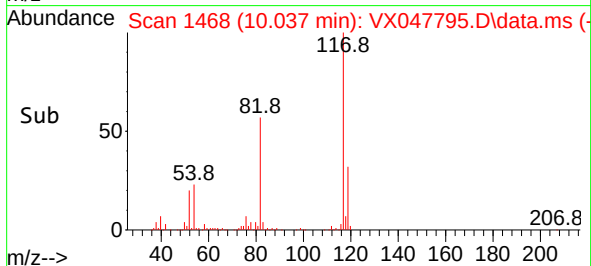
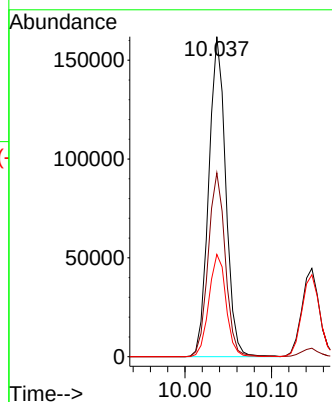
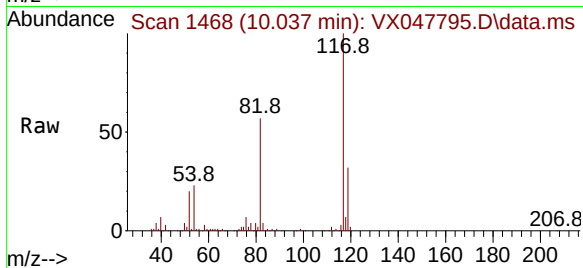




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

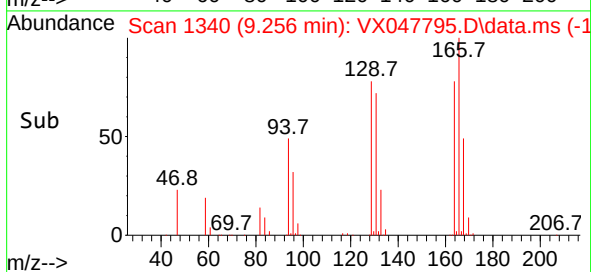
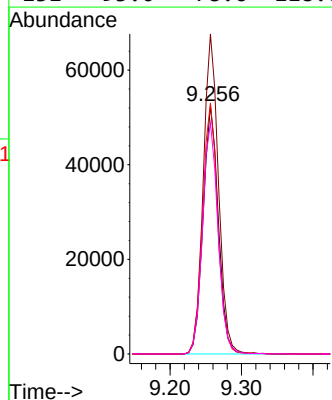
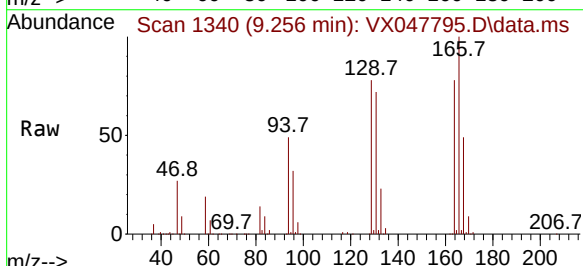
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

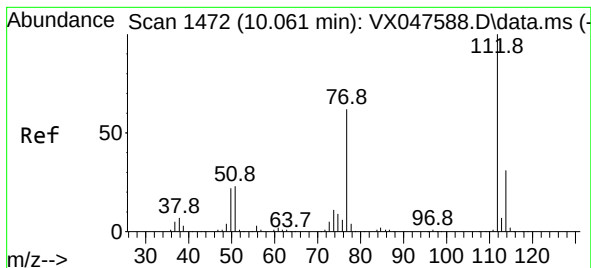
Tgt Ion:	117	Resp:	220262
Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.8	71.6
119	31.9	25.2	37.8



#64
Tetrachloroethene
Concen: 54.134 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion:	164	Resp:	77730
Ion	Ratio	Lower	Upper
164	100		
166	128.9	100.2	150.2
129	101.1	81.8	122.6
131	93.0	78.6	118.0

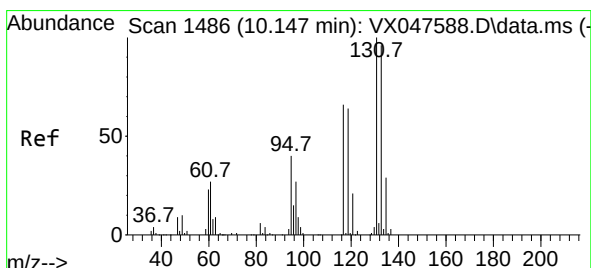
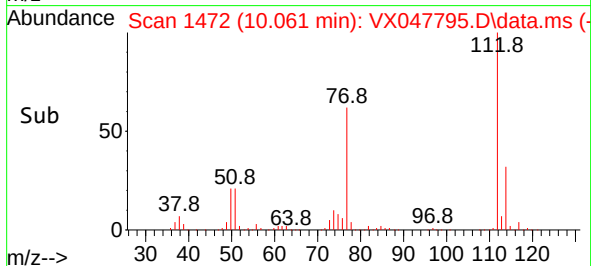
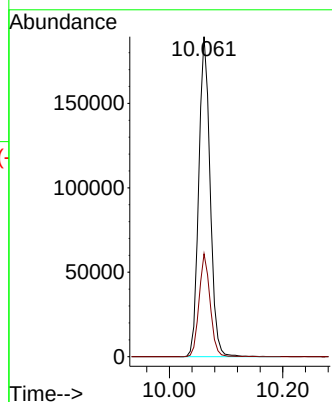
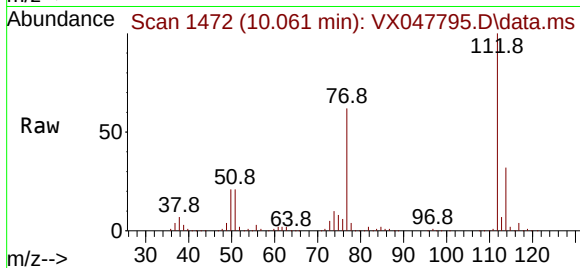




#65
Chlorobenzene
Concen: 52.484 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

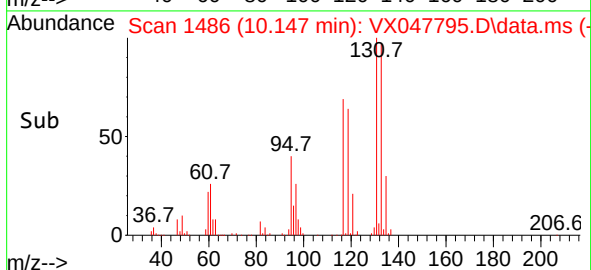
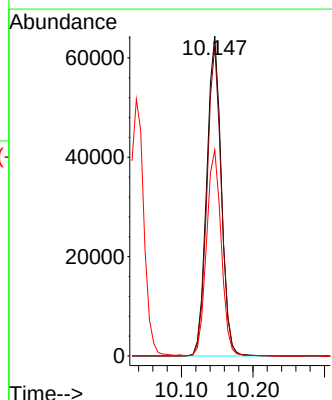
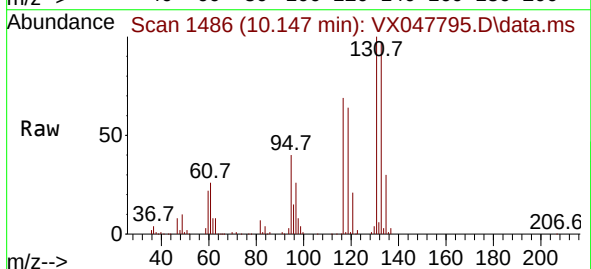
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

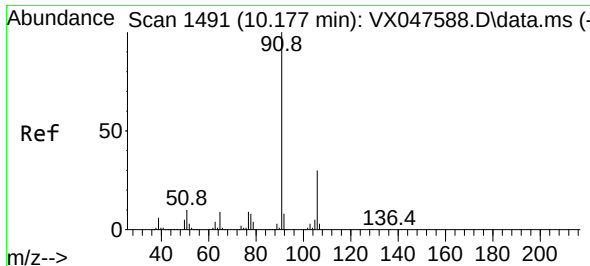
Tgt Ion:112 Resp: 262625
Ion Ratio Lower Upper
112 100
114 32.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.723 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion:131 Resp: 91037
Ion Ratio Lower Upper
131 100
133 95.1 47.3 142.0
119 65.3 32.0 96.0

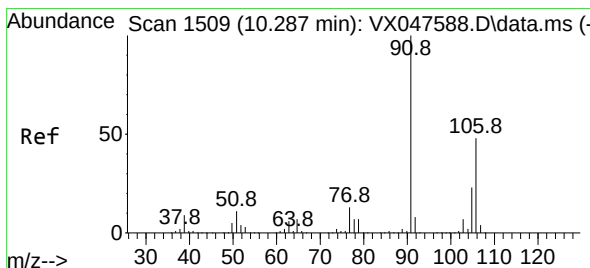
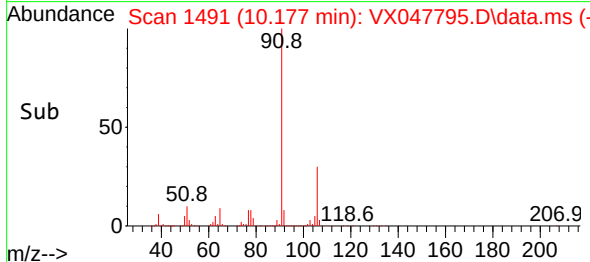
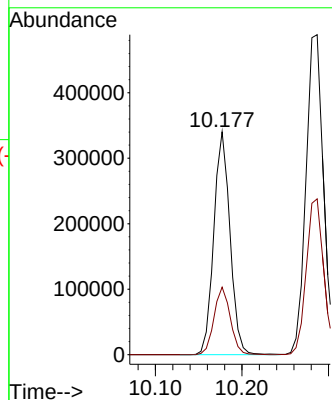
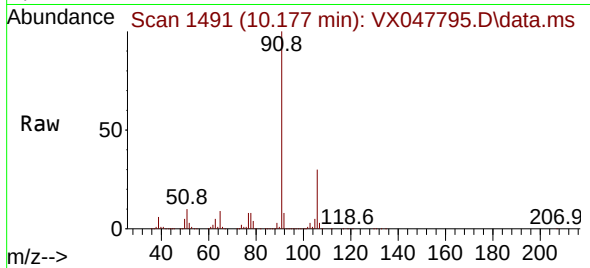




#67
Ethyl Benzene
Concen: 51.323 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

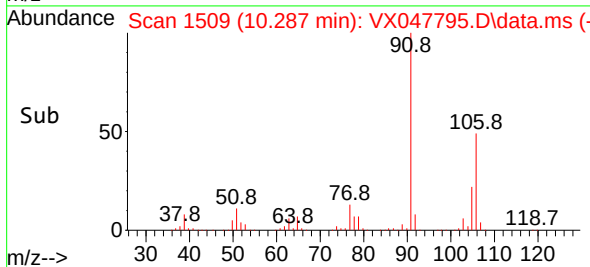
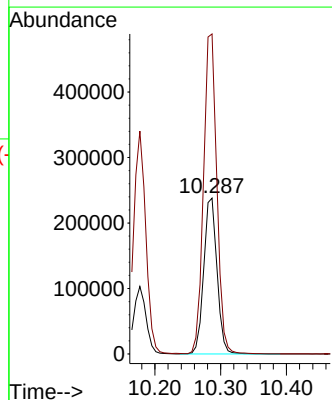
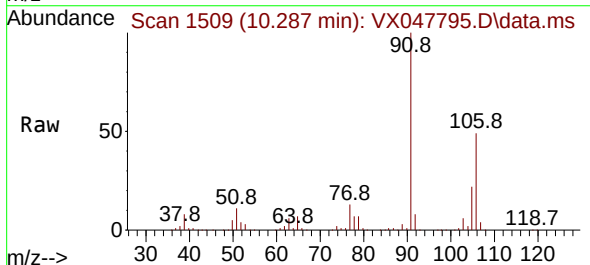
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

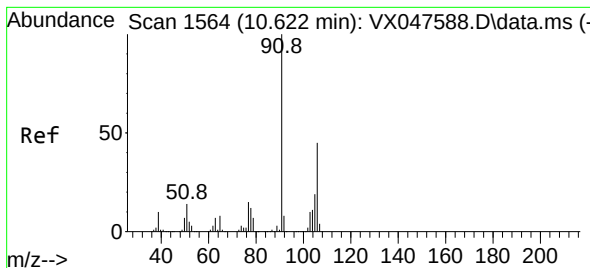
Tgt Ion: 91 Resp: 443118
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5



#68
m/p-Xylenes
Concen: 103.770 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 106 Resp: 333476
Ion Ratio Lower Upper
106 100
91 206.2 167.8 251.8





#69

o-Xylene

Concen: 52.252 ug/l

RT: 10.622 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

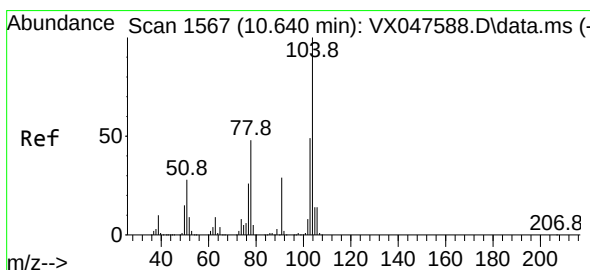
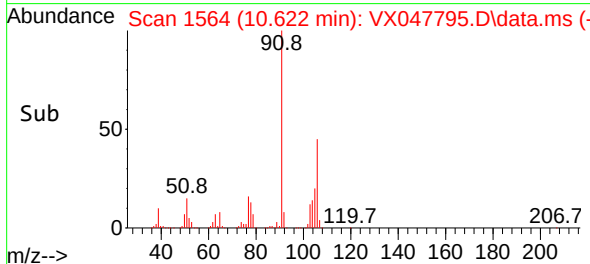
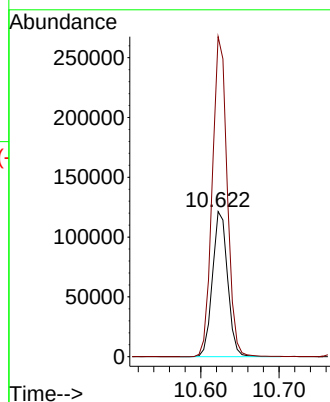
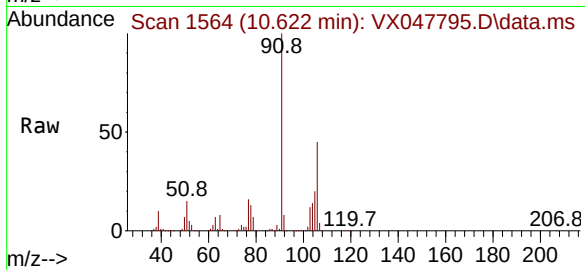
VSTDCCC050

Tgt Ion:106 Resp: 162415

Ion Ratio Lower Upper

106 100

91 217.6 111.1 333.4



#70

Styrene

Concen: 52.692 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

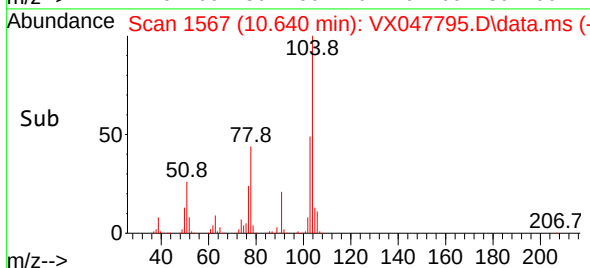
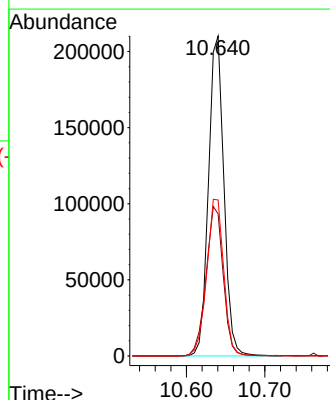
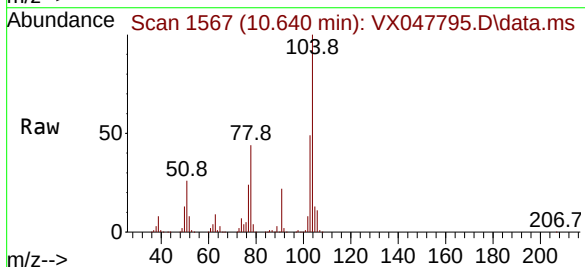
Tgt Ion:104 Resp: 286982

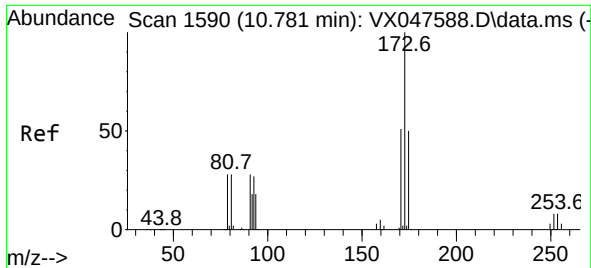
Ion Ratio Lower Upper

104 100

78 52.0 43.1 64.7

103 54.2 43.1 64.7

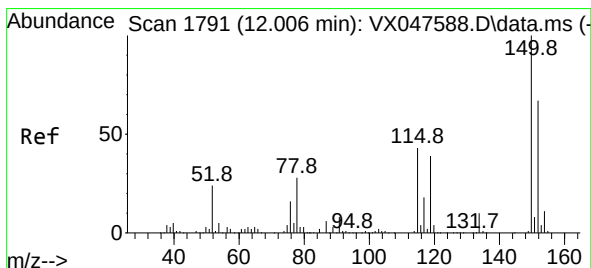
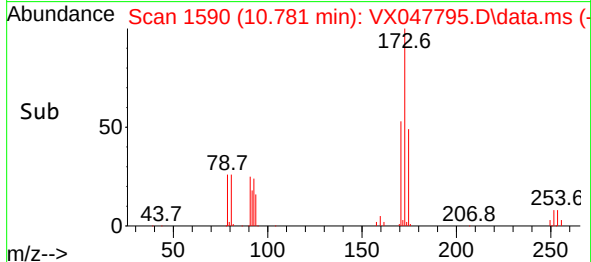
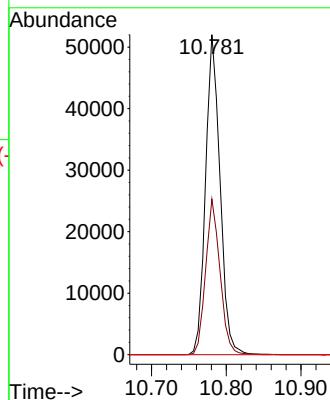
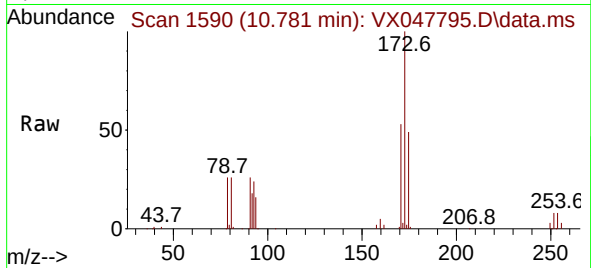




#71
Bromoform
Concen: 54.326 ug/l
RT: 10.781 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

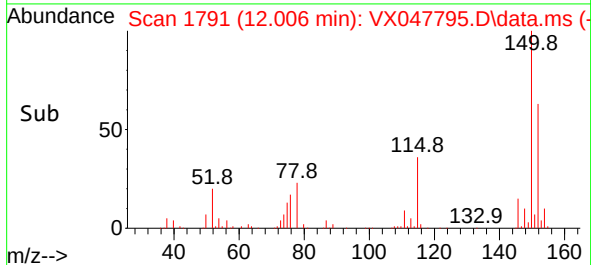
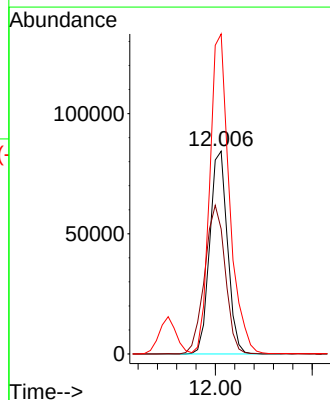
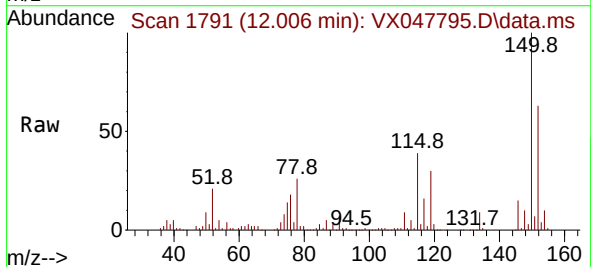
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

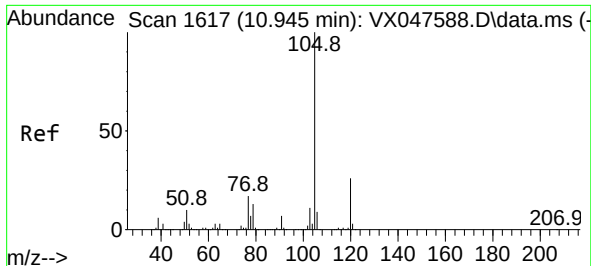
Tgt Ion:173 Resp: 70044
Ion Ratio Lower Upper
173 100
175 48.3 24.9 74.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion:152 Resp: 107538
Ion Ratio Lower Upper
152 100
115 85.6 44.9 134.5
150 174.4 0.0 352.0

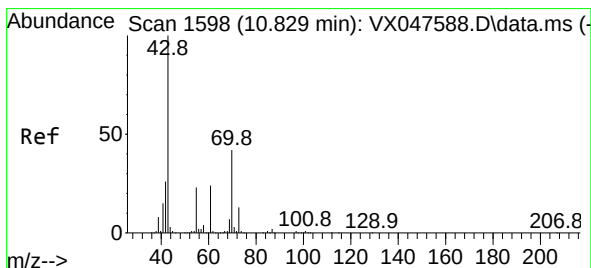
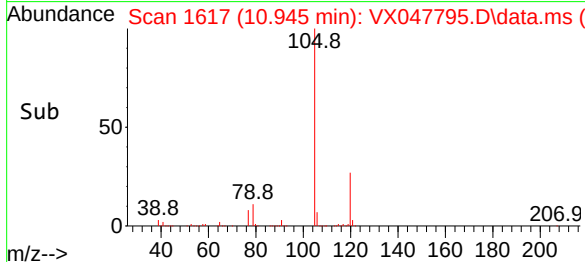
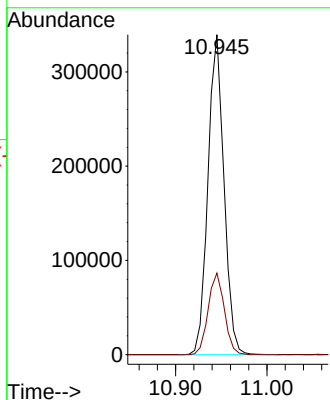
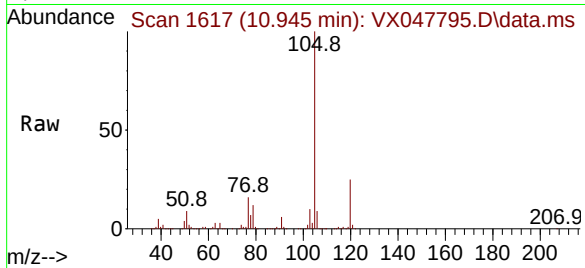




#73
Isopropylbenzene
Concen: 50.350 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

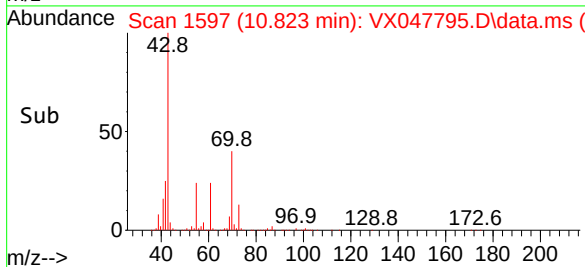
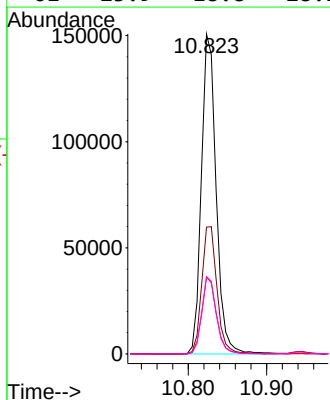
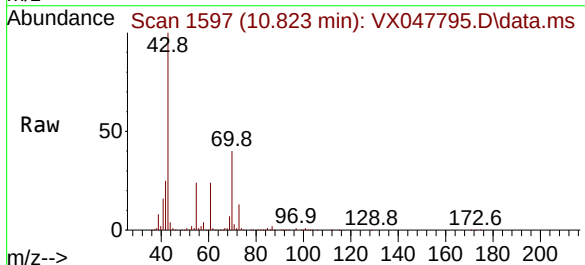
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

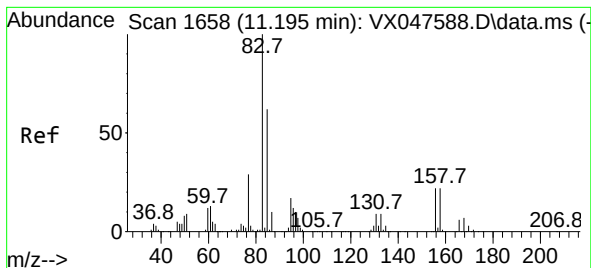
Tgt Ion:105 Resp: 411651
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.4



#74
N-ethyl acetate
Concen: 52.937 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 43 Resp: 197362
Ion Ratio Lower Upper
43 100
70 41.2 32.0 48.0
55 24.0 18.9 28.3
61 23.9 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 55.331 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

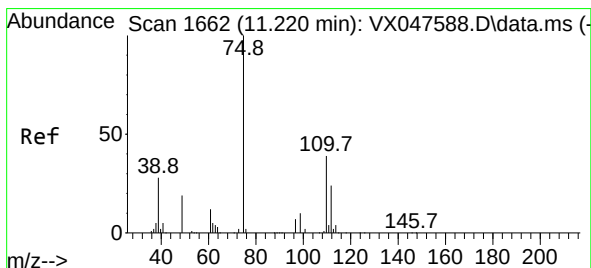
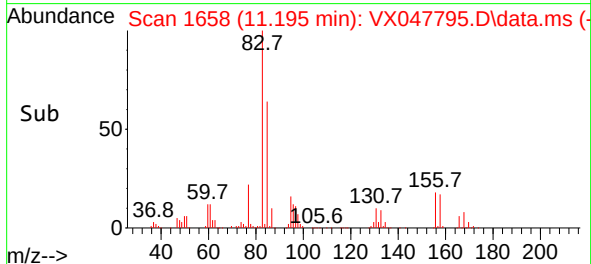
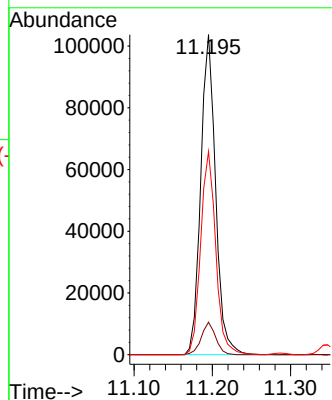
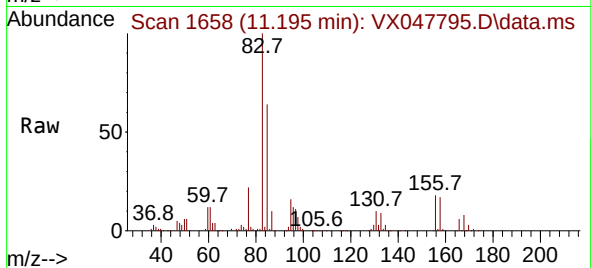
Tgt Ion: 83 Resp: 136864

Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

85 64.3 31.6 95.0



#76

1,2,3-Trichloropropane

Concen: 65.926 ug/l

RT: 11.220 min Scan# 1662

Delta R.T. -0.000 min

Lab File: VX047795.D

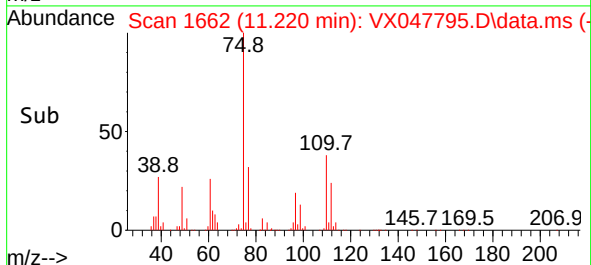
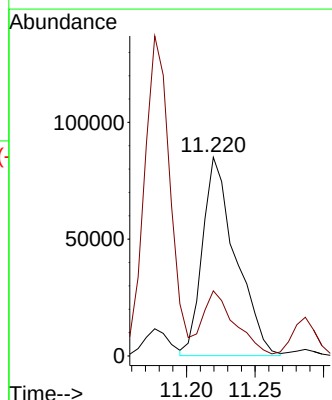
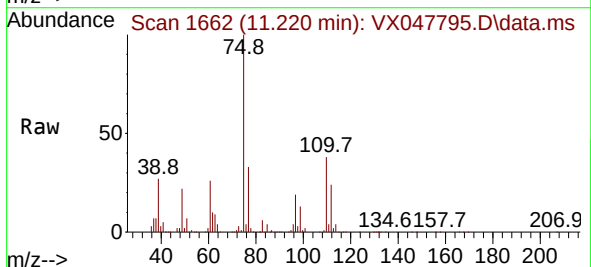
Acq: 25 Sep 2025 08:56

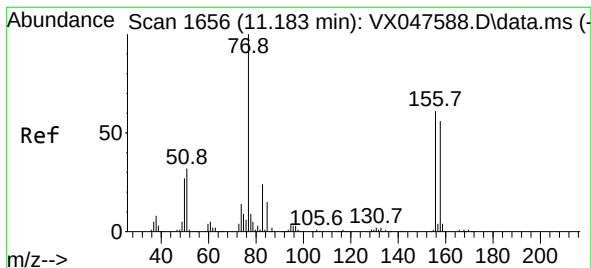
Tgt Ion: 75 Resp: 143542

Ion Ratio Lower Upper

75 100

77 32.3 18.8 56.4





#77

Bromobenzene

Concen: 51.743 ug/l

RT: 11.177 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

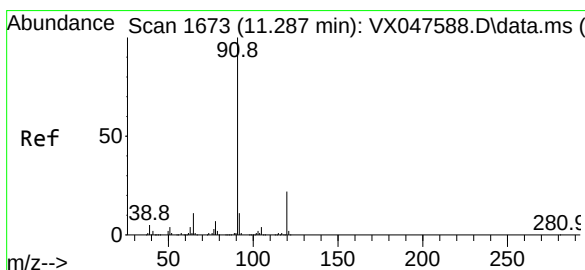
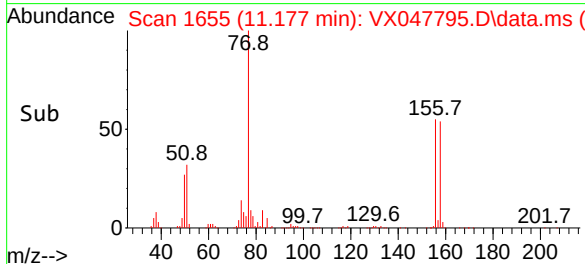
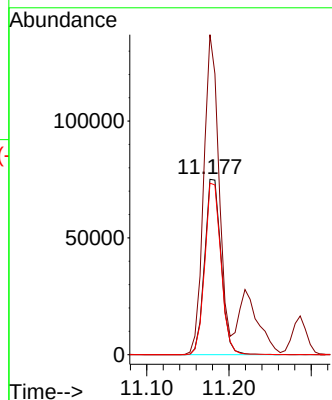
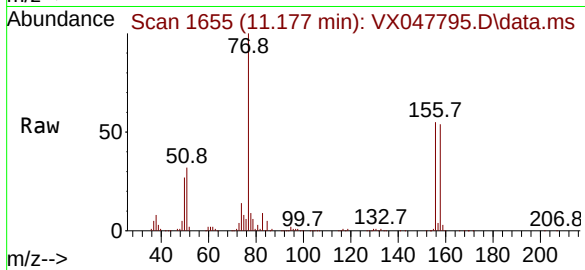
Tgt Ion:156 Resp: 104192

Ion Ratio Lower Upper

156 100

77 170.6 89.7 269.1

158 96.6 47.9 143.6



#78

n-propylbenzene

Concen: 49.629 ug/l

RT: 11.287 min Scan# 1673

Delta R.T. -0.000 min

Lab File: VX047795.D

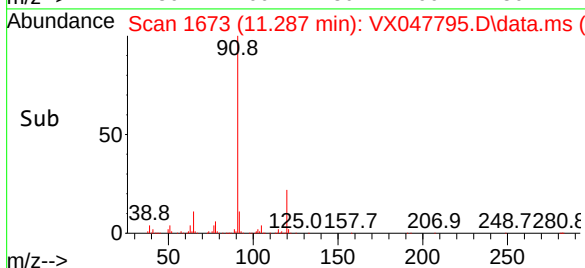
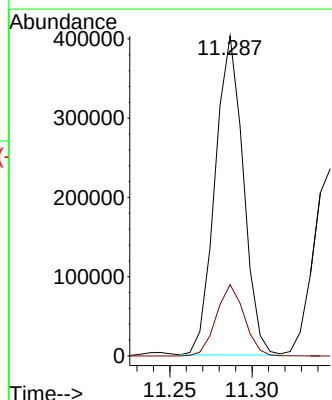
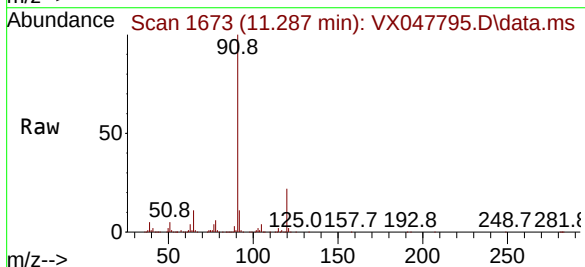
Acq: 25 Sep 2025 08:56

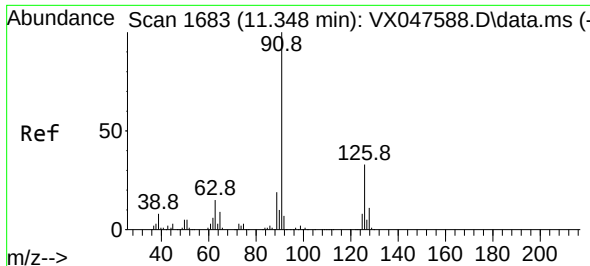
Tgt Ion: 91 Resp: 479655

Ion Ratio Lower Upper

91 100

120 22.1 11.1 33.1

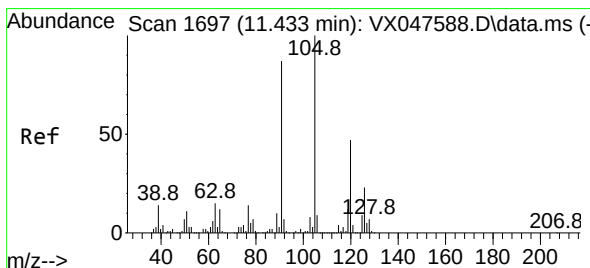
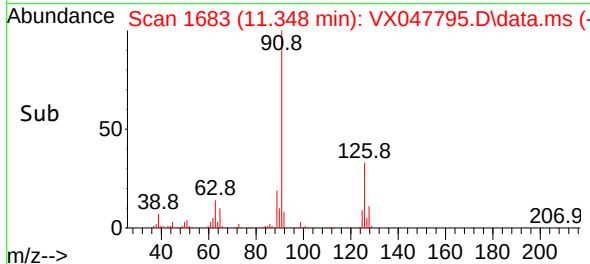
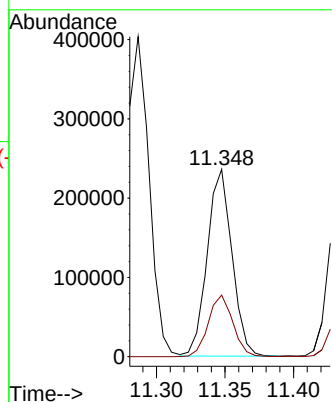
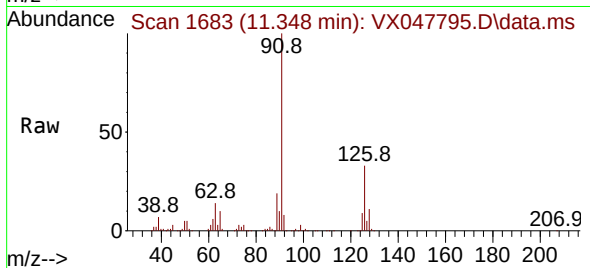




#79
2-Chlorotoluene
Concen: 49.940 ug/l
RT: 11.348 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

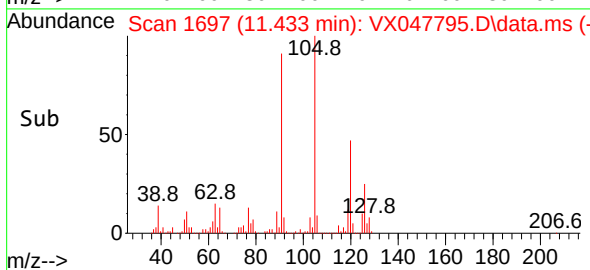
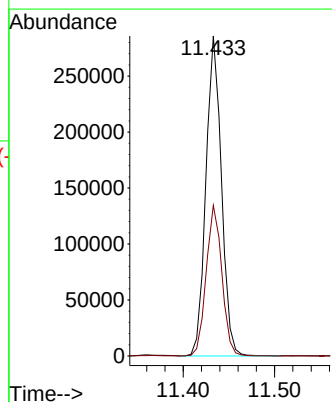
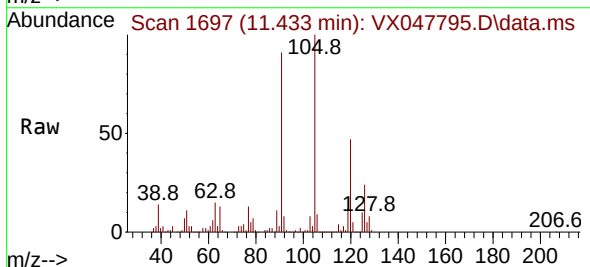
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

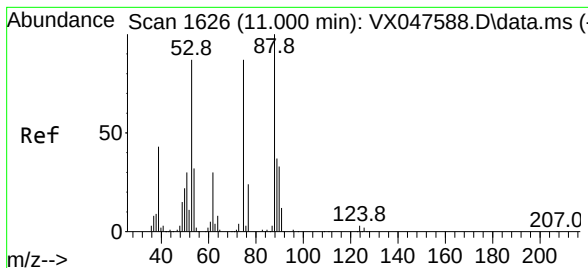
Tgt Ion: 91 Resp: 295615
Ion Ratio Lower Upper
91 100
126 32.8 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 49.936 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 105 Resp: 335426
Ion Ratio Lower Upper
105 100
120 47.6 23.6 70.8

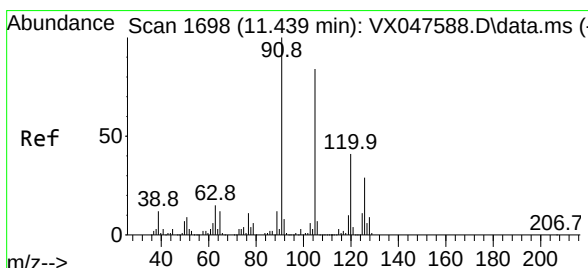
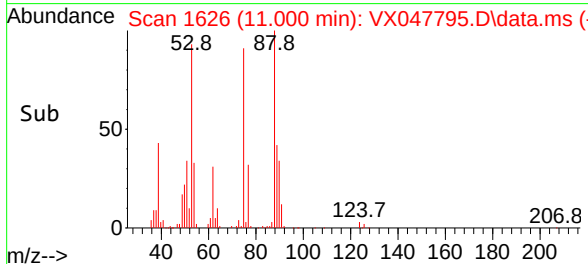
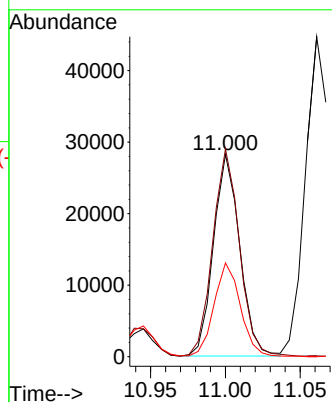
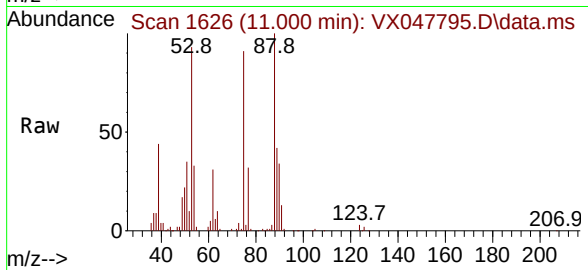




#81
trans-1,4-Dichloro-2-butene
Concen: 40.415 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

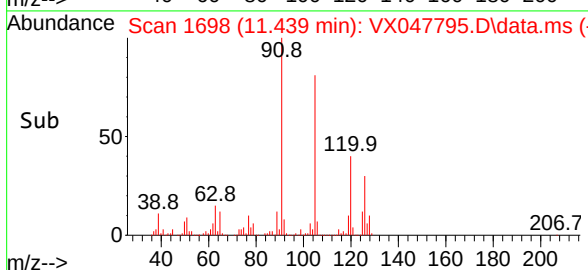
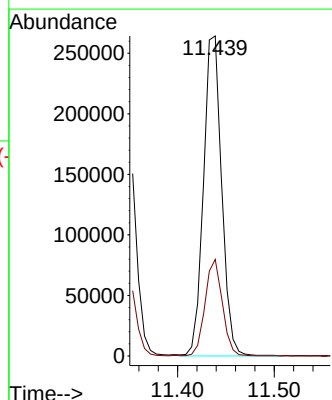
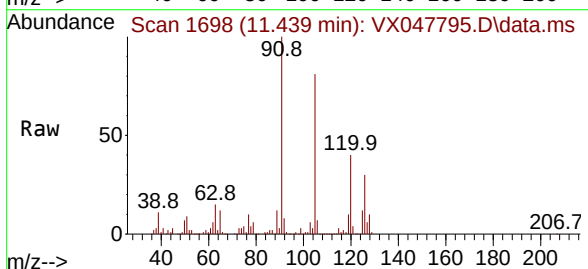
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

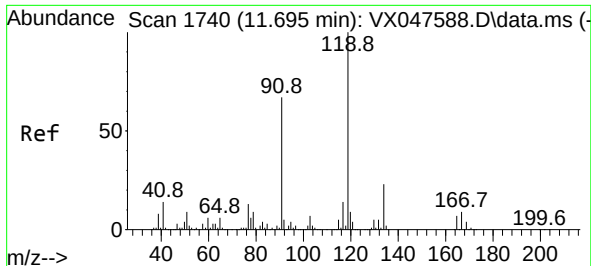
Tgt Ion: 75 Resp: 34506
Ion Ratio Lower Upper
75 100
53 105.3 83.4 125.2
89 46.9 36.3 54.5



#82
4-Chlorotoluene
Concen: 49.519 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion: 91 Resp: 346198
Ion Ratio Lower Upper
91 100
126 28.8 14.2 42.6

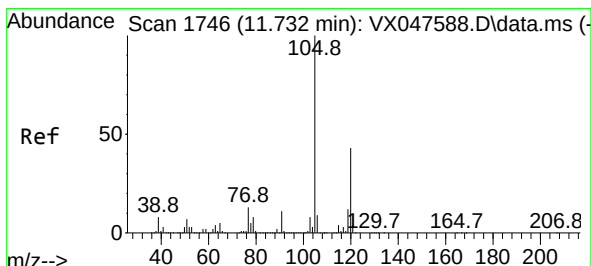
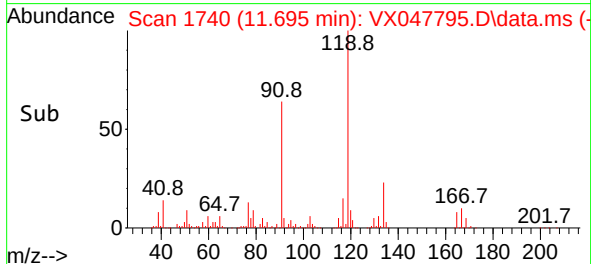
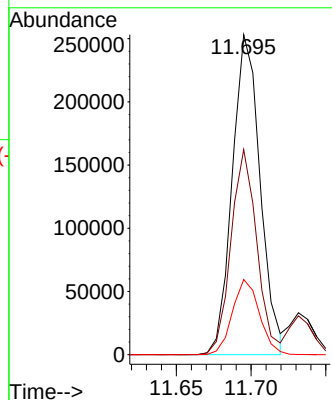
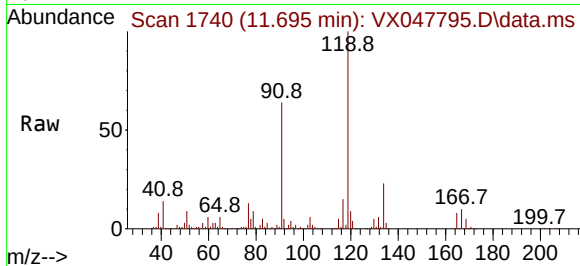




#83
tert-Butylbenzene
Concen: 47.721 ug/l
RT: 11.695 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

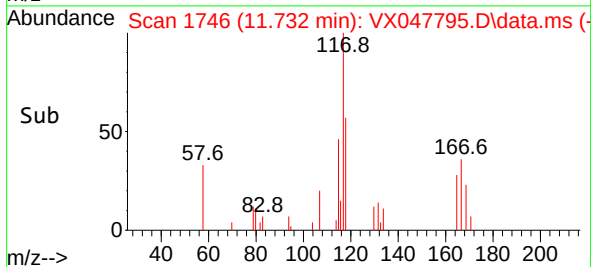
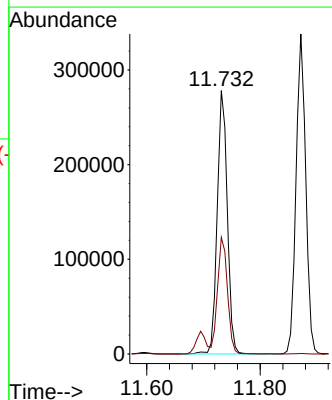
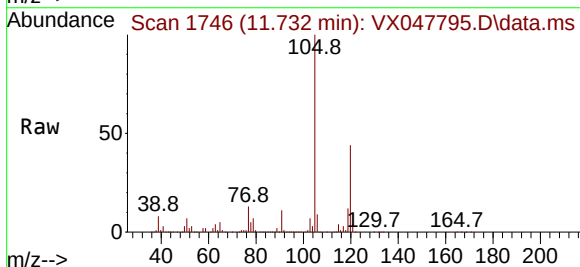
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

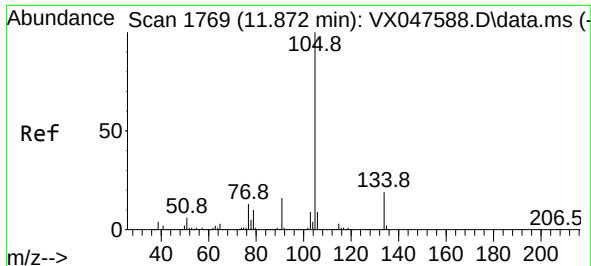
Tgt Ion:119 Resp: 328139
Ion Ratio Lower Upper
119 100
91 59.7 29.6 88.8
134 22.9 11.0 33.0



#84
1,2,4-Trimethylbenzene
Concen: 50.330 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion:105 Resp: 342751
Ion Ratio Lower Upper
105 100
120 43.6 22.1 66.1

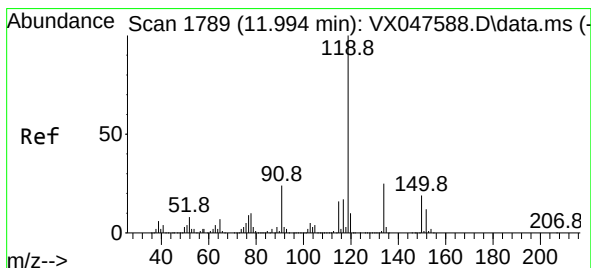
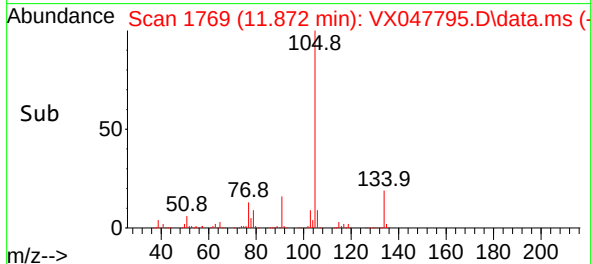
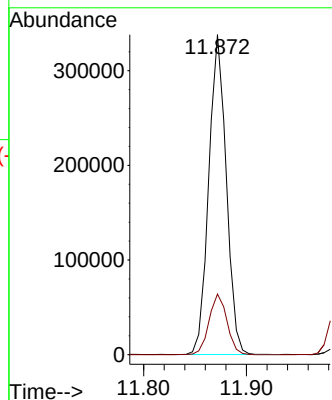
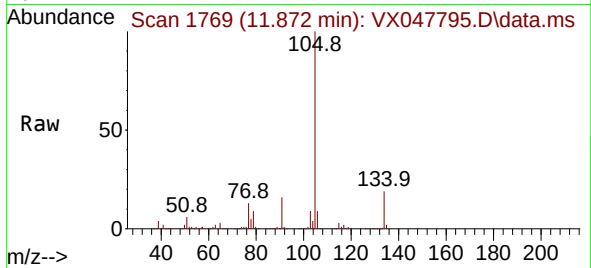




#85
 sec-Butylbenzene
 Concen: 48.893 ug/l
 RT: 11.872 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: VX047795.D
 Acq: 25 Sep 2025 08:56

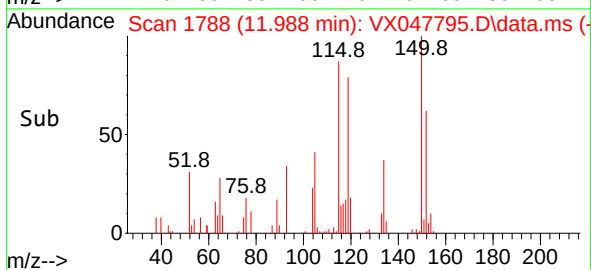
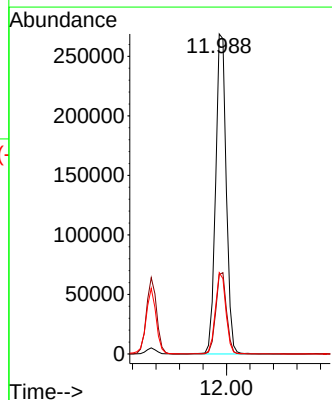
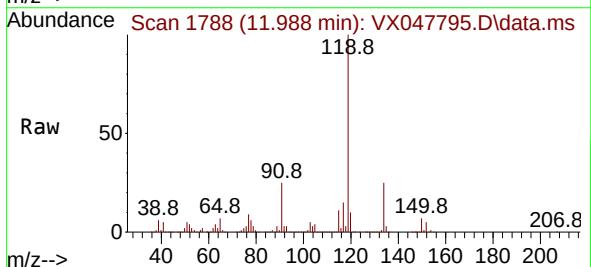
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

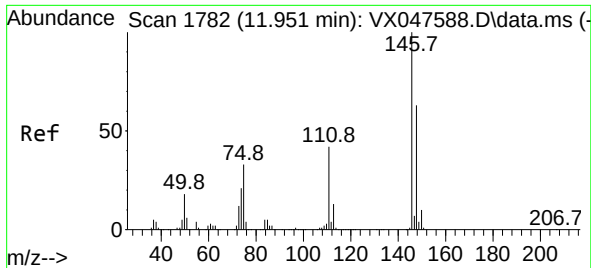
Tgt Ion:105 Resp: 399335
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 48.621 ug/l
 RT: 11.988 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: VX047795.D
 Acq: 25 Sep 2025 08:56

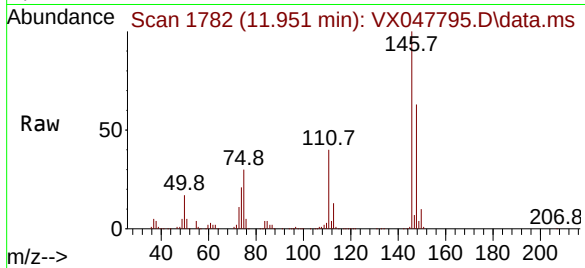
Tgt Ion:119 Resp: 336196
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.6 37.8
 91 25.2 12.6 37.6



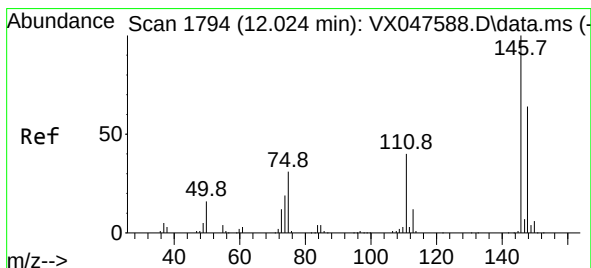
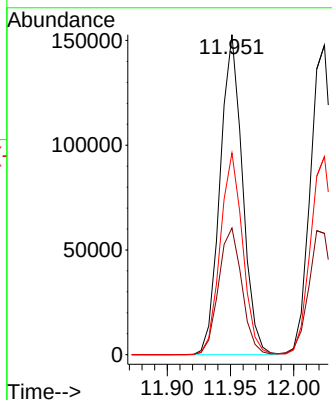
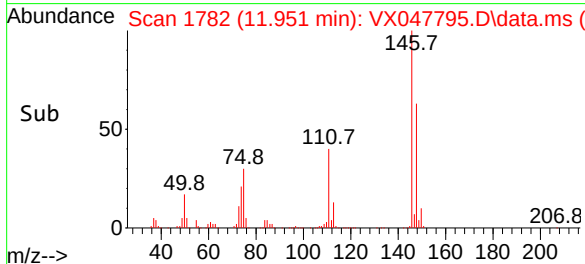


#87
1,3-Dichlorobenzene
Concen: 50.255 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

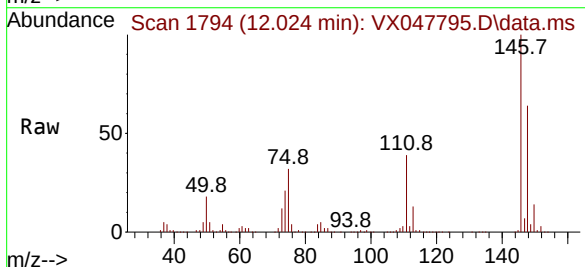
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



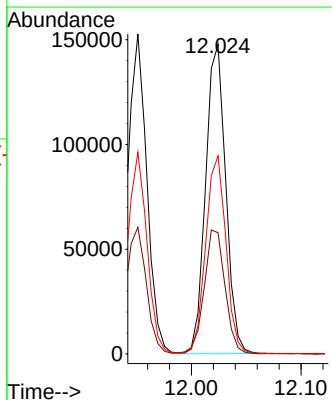
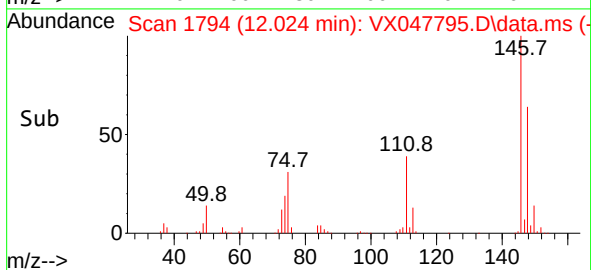
Tgt Ion:146 Resp: 187962
Ion Ratio Lower Upper
146 100
111 41.2 21.5 64.5
148 63.0 32.0 96.0

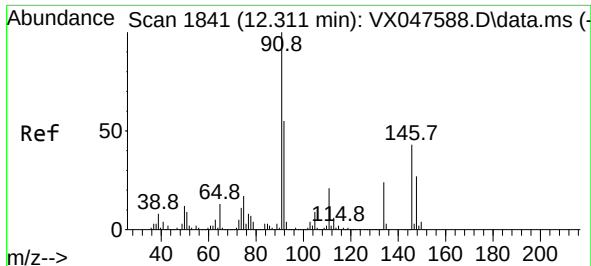


#88
1,4-Dichlorobenzene
Concen: 49.035 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56



Tgt Ion:146 Resp: 188229
Ion Ratio Lower Upper
146 100
111 41.6 20.8 62.4
148 64.9 31.7 95.1





#89

n-Butylbenzene

Concen: 46.765 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

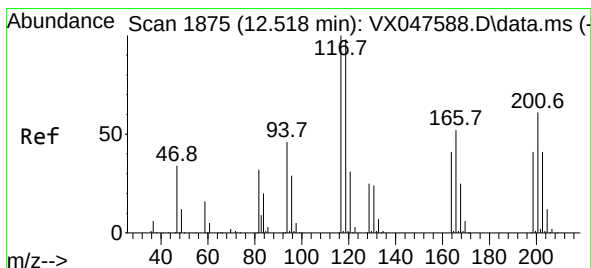
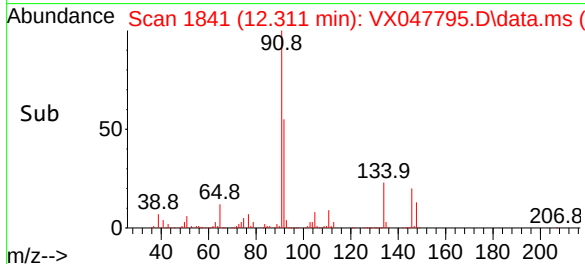
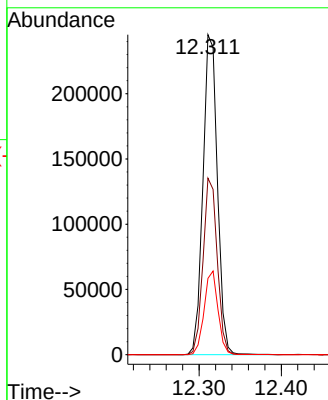
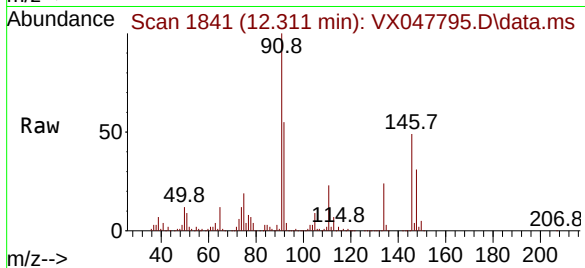
Tgt Ion: 91 Resp: 299204

Ion Ratio Lower Upper

91 100

92 54.3 27.6 82.7

134 25.2 12.6 37.8



#90

Hexachloroethane

Concen: 50.062 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX047795.D

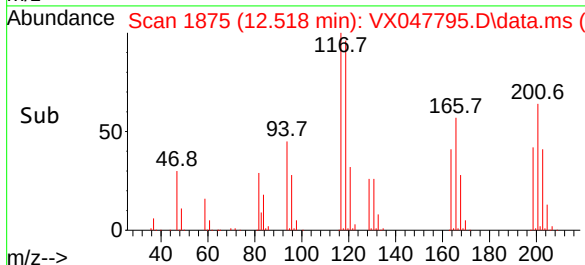
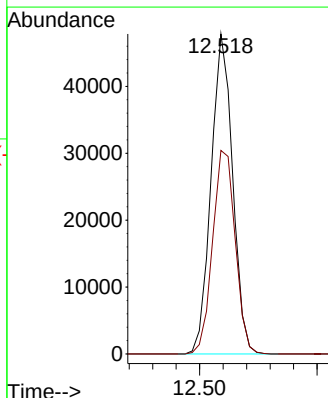
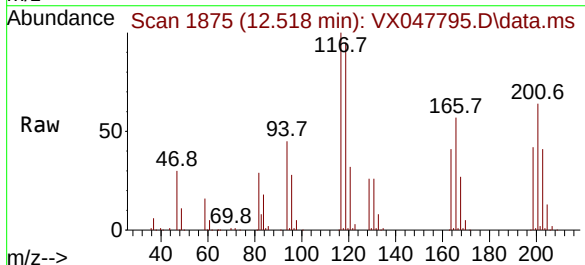
Acq: 25 Sep 2025 08:56

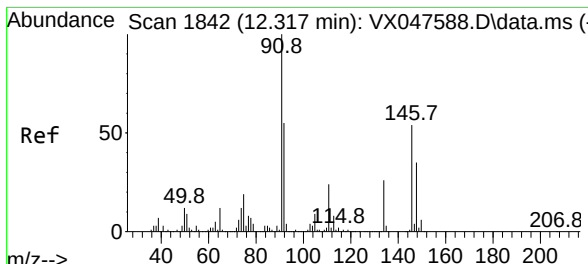
Tgt Ion: 117 Resp: 60775

Ion Ratio Lower Upper

117 100

201 67.0 34.2 102.5



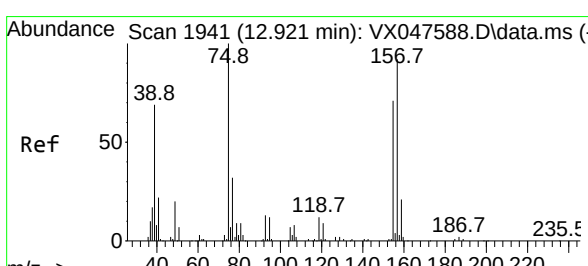
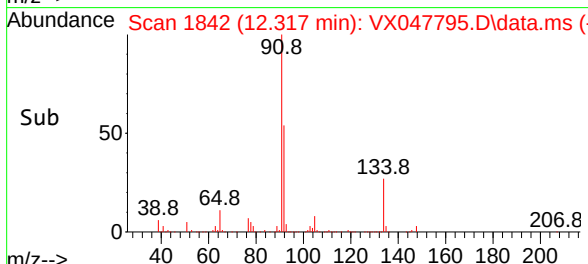
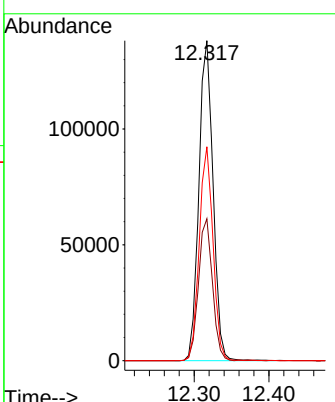
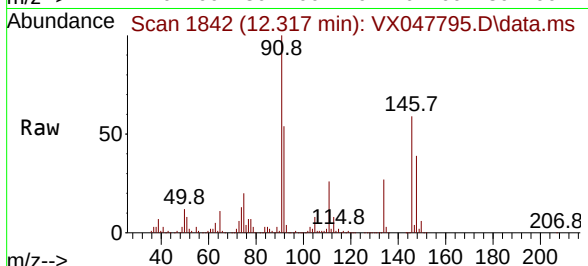


#91
 1,2-Dichlorobenzene
 Concen: 50.965 ug/l
 RT: 12.317 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: VX047795.D
 Acq: 25 Sep 2025 08:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 181599

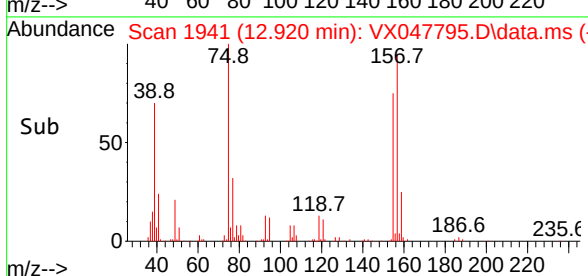
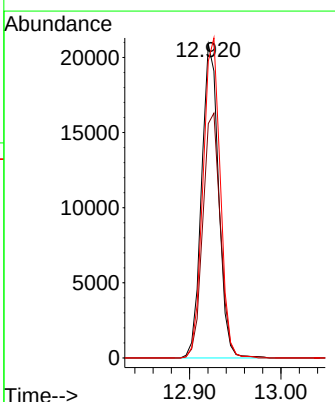
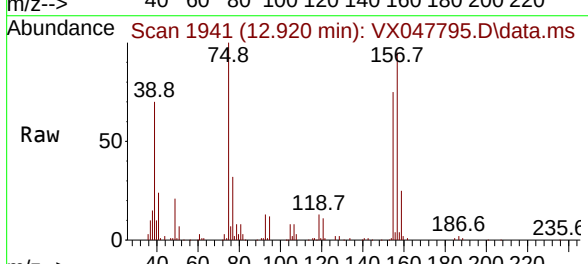
Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.2	66.6
148	64.9	31.8	95.4

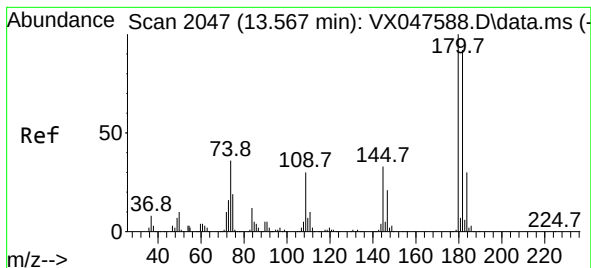


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.714 ug/l
 RT: 12.920 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: VX047795.D
 Acq: 25 Sep 2025 08:56

Tgt Ion: 75 Resp: 26900

Ion	Ratio	Lower	Upper
75	100		
155	80.8	37.7	113.1
157	103.2	49.8	149.4





#93

1,2,4-Trichlorobenzene

Concen: 48.251 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

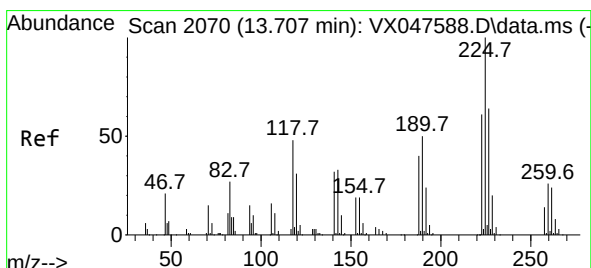
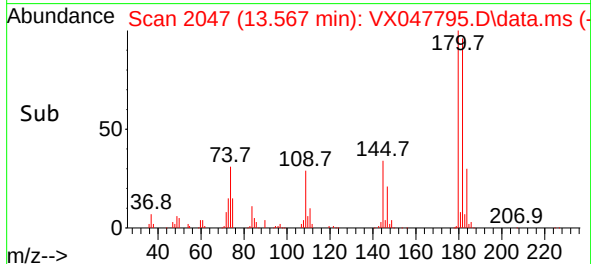
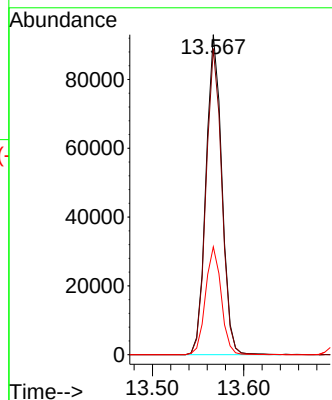
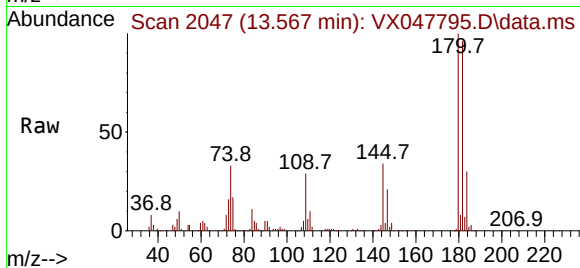
Tgt Ion:180 Resp: 111739

Ion Ratio Lower Upper

180 100

182 95.1 46.6 139.8

145 33.3 16.4 49.1



#94

Hexachlorobutadiene

Concen: 46.224 ug/l

RT: 13.701 min Scan# 2069

Delta R.T. -0.006 min

Lab File: VX047795.D

Acq: 25 Sep 2025 08:56

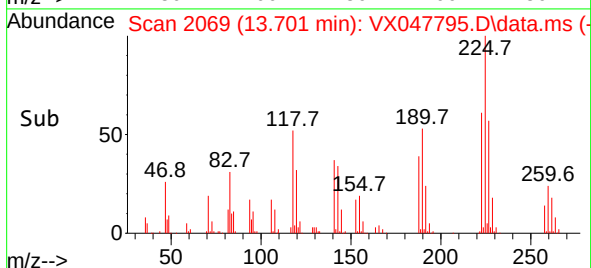
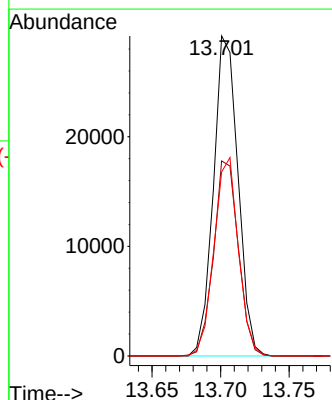
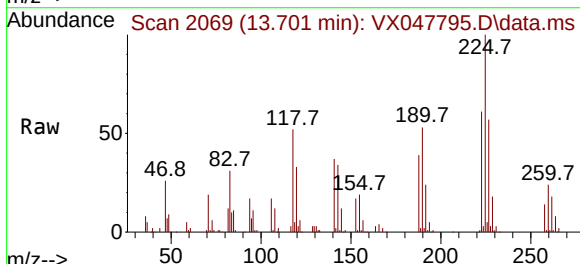
Tgt Ion:225 Resp: 36360

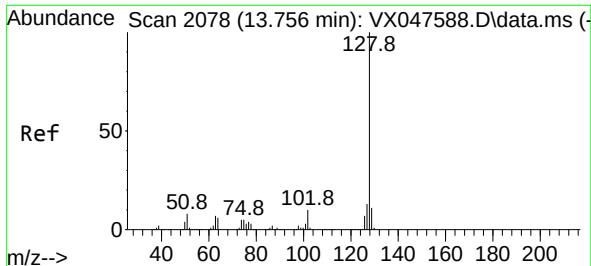
Ion Ratio Lower Upper

225 100

223 61.7 31.7 95.1

227 61.5 32.0 96.0

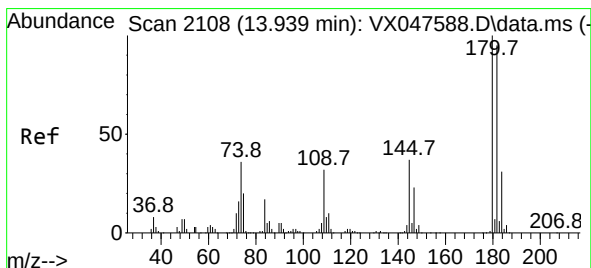
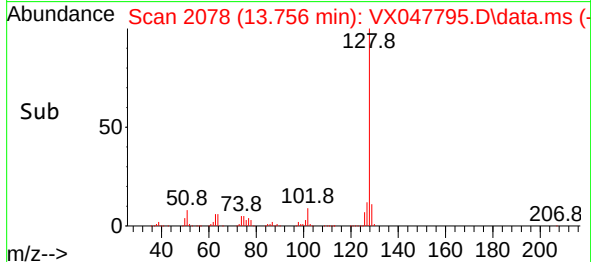
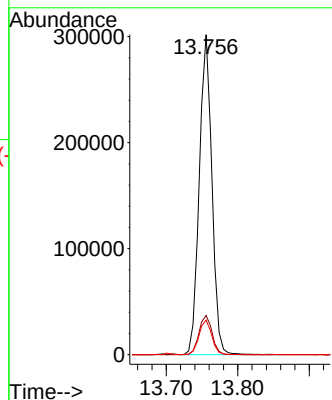
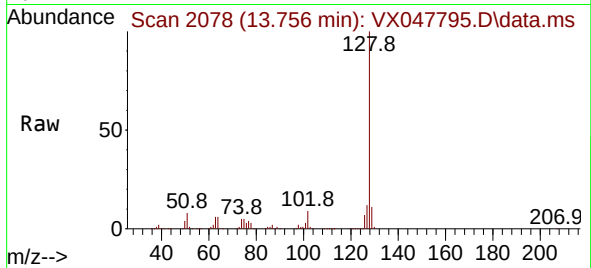




#95
Naphthalene
Concen: 52.388 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

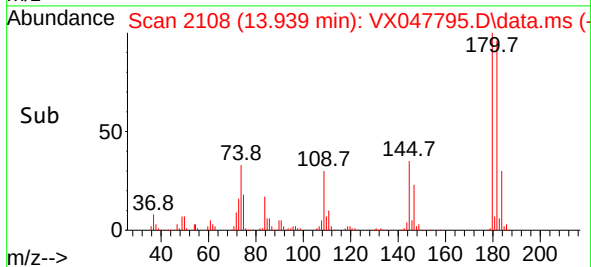
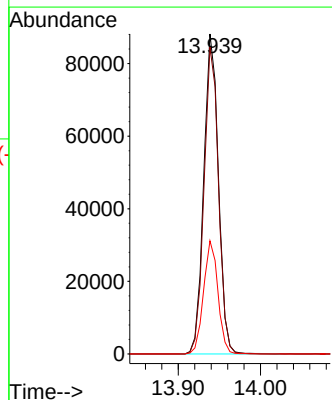
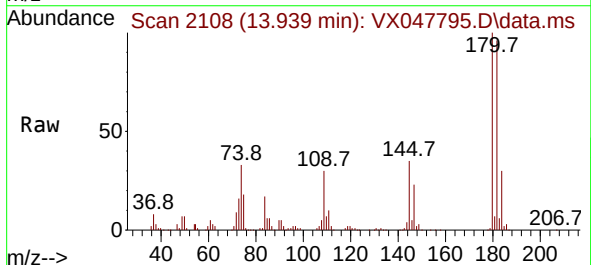
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 369424
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.695 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047795.D
Acq: 25 Sep 2025 08:56

Tgt Ion:180 Resp: 109206
Ion Ratio Lower Upper
180 100
182 94.8 47.6 142.8
145 34.7 17.9 53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047798.D
 Acq On : 25 Sep 2025 10:13
 Operator : JC/MD
 Sample : VX0925WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBS01

Quant Time: Sep 26 01:22:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	146604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	268605	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	252515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131521	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	124450	53.330	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.660%	
35) Dibromofluoromethane	5.367	113	93735	52.034	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.060%	
50) Toluene-d8	8.635	98	312702	50.167	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.340%	
62) 4-Bromofluorobenzene	11.061	95	125617	53.101	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.200%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	33486	22.058	ug/l	99
3) Chloromethane	1.301	50	41125	20.612	ug/l	98
4) Vinyl Chloride	1.380	62	40168	20.566	ug/l	99
5) Bromomethane	1.618	94	25791	20.825	ug/l	100
6) Chloroethane	1.697	64	26423	20.242	ug/l	95
7) Trichlorofluoromethane	1.892	101	57341	19.773	ug/l	98
8) Diethyl Ether	2.136	74	23961	20.199	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	34453	20.318	ug/l	97
10) Methyl Iodide	2.453	142	47378	17.915	ug/l	100
11) Tert butyl alcohol	2.940	59	25606	98.524	ug/l	100
12) 1,1-Dichloroethene	2.325	96	33638	19.312	ug/l	99
13) Acrolein	2.233	56	24626	102.823	ug/l	97
14) Allyl chloride	2.666	41	68523	19.064	ug/l	96
15) Acrylonitrile	3.056	53	108189	112.384	ug/l	99
16) Acetone	2.373	43	97856	96.444	ug/l	99
17) Carbon Disulfide	2.514	76	93220	19.550	ug/l	99
18) Methyl Acetate	2.703	43	51140	22.648	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	127175	20.001	ug/l	99
20) Methylene Chloride	2.788	84	44268	20.612	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	37858	20.188	ug/l	96
22) Diisopropyl ether	3.751	45	141341	20.291	ug/l	92
23) Vinyl Acetate	3.715	43	568677	102.004	ug/l	99
24) 1,1-Dichloroethane	3.599	63	75627	20.427	ug/l	98
25) 2-Butanone	4.538	43	136517	107.864	ug/l	99
26) 2,2-Dichloropropane	4.458	77	56506	18.360	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	46548	20.268	ug/l	98
28) Bromochloromethane	4.879	49	32353	20.016	ug/l	100
29) Tetrahydrofuran	4.989	42	83019	109.038	ug/l	97
30) Chloroform	5.074	83	77269	20.653	ug/l	96
31) Cyclohexane	5.458	56	59230	19.208	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	62827	19.798	ug/l	98
36) 1,1-Dichloropropene	5.684	75	49190	18.687	ug/l	99
37) Ethyl Acetate	4.696	43	58104	20.616	ug/l	99
38) Carbon Tetrachloride	5.660	117	52056	18.201	ug/l	97
39) Methylcyclohexane	7.367	83	53240	17.818	ug/l	98
40) Benzene	6.025	78	158698	19.850	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047798.D
 Acq On : 25 Sep 2025 10:13
 Operator : JC/MD
 Sample : VX0925WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBS01

Quant Time: Sep 26 01:22:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	29283	20.125	ug/l	97
42) 1,2-Dichloroethane	6.068	62	59188	19.457	ug/l	98
43) Isopropyl Acetate	6.318	43	92154	19.936	ug/l	99
44) Trichloroethene	7.110	130	38005	19.662	ug/l	91
45) 1,2-Dichloropropane	7.415	63	41172	20.111	ug/l	96
46) Dibromomethane	7.568	93	29874	20.053	ug/l	96
47) Bromodichloromethane	7.805	83	59888	19.481	ug/l	98
48) Methyl methacrylate	7.677	41	44455	19.308	ug/l	99
49) 1,4-Dioxane	7.653	88	11066	475.570	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	283110	110.466	ug/l	99
52) Toluene	8.702	92	98340	19.965	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	59236	18.891	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	64785	19.330	ug/l	96
55) 1,1,2-Trichloroethane	9.134	97	39867	20.990	ug/l	98
56) Ethyl methacrylate	9.104	69	59966	20.104	ug/l	97
57) 1,3-Dichloropropane	9.293	76	67634	20.730	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	144584	108.334	ug/l	99
59) 2-Hexanone	9.415	43	197021	107.038	ug/l	99
60) Dibromochloromethane	9.506	129	44875	20.506	ug/l	99
61) 1,2-Dibromoethane	9.592	107	40314	20.839	ug/l	99
64) Tetrachloroethene	9.256	164	30782	18.700	ug/l	97
65) Chlorobenzene	10.061	112	108771	18.961	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	37519	18.953	ug/l	99
67) Ethyl Benzene	10.177	91	178998	18.084	ug/l	100
68) m/p-Xylenes	10.287	106	138405	37.567	ug/l	98
69) o-Xylene	10.622	106	65909	18.496	ug/l	100
70) Styrene	10.640	104	118170	18.926	ug/l	98
71) Bromoform	10.781	173	28902	19.553	ug/l #	99
73) Isopropylbenzene	10.945	105	167580	16.760	ug/l	100
74) N-amyl acetate	10.829	43	79411	17.416	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	57282	18.935	ug/l	97
76) 1,2,3-Trichloropropane	11.219	75	60177	22.598	ug/l	90
77) Bromobenzene	11.183	156	43141	17.518	ug/l	97
78) n-propylbenzene	11.287	91	199146	16.848	ug/l	100
79) 2-Chlorotoluene	11.348	91	124253	17.163	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	139354	16.963	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	16807	16.095	ug/l	95
82) 4-Chlorotoluene	11.439	91	148311	17.346	ug/l	99
83) tert-Butylbenzene	11.695	119	140839	16.747	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	142656	17.128	ug/l	100
85) sec-Butylbenzene	11.872	105	168936	16.912	ug/l	99
86) p-Isopropyltoluene	11.994	119	140679	16.635	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	79979	17.485	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	83367	17.757	ug/l	99
89) n-Butylbenzene	12.311	91	129927	16.604	ug/l	98
90) Hexachloroethane	12.518	117	23841	16.057	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	77419	17.765	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	10795	17.625	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	45993	16.239	ug/l	99
94) Hexachlorobutadiene	13.707	225	14948	15.538	ug/l	99
95) Naphthalene	13.756	128	143587	16.649	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	44483	16.884	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047798.D
Acq On : 25 Sep 2025 10:13
Operator : JC/MD
Sample : VX0925WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

Quant Time: Sep 26 01:22:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

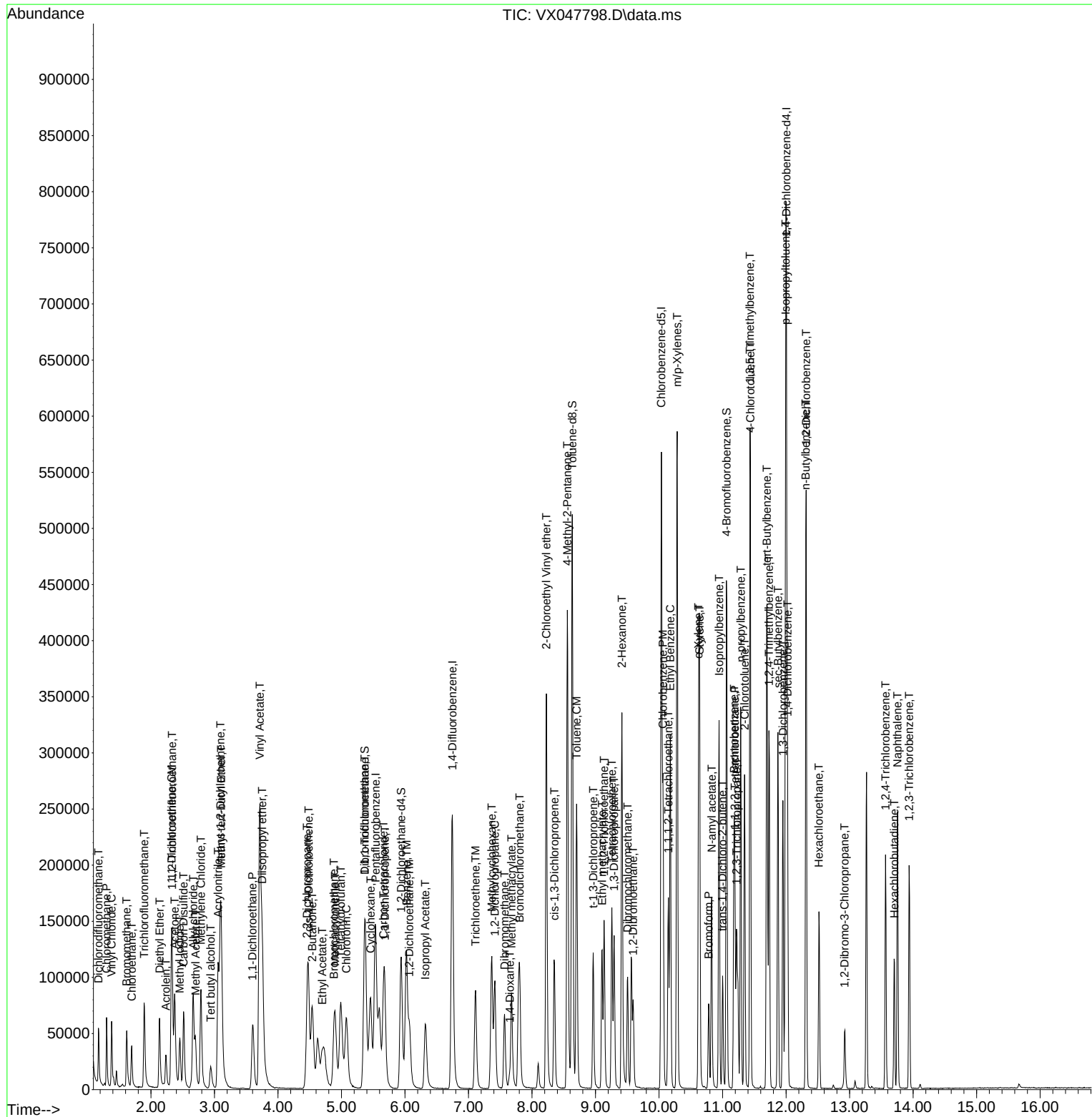
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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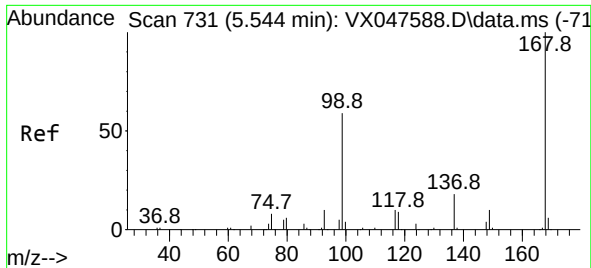
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047798.D
Acq On : 25 Sep 2025 10:13
Operator : JC/MD
Sample : VX0925WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

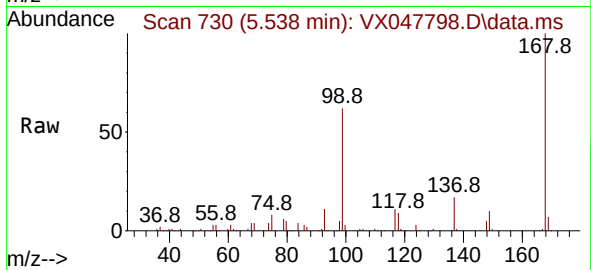
Quant Time: Sep 26 01:22:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



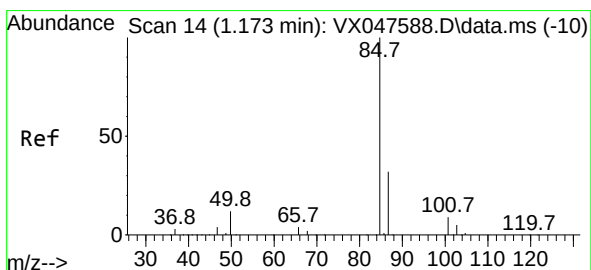
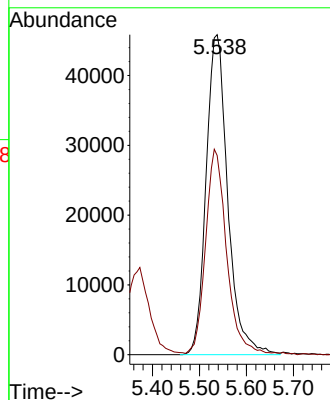
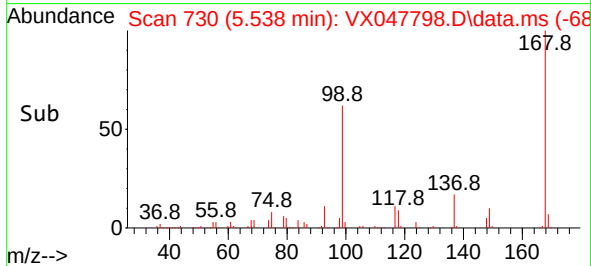


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

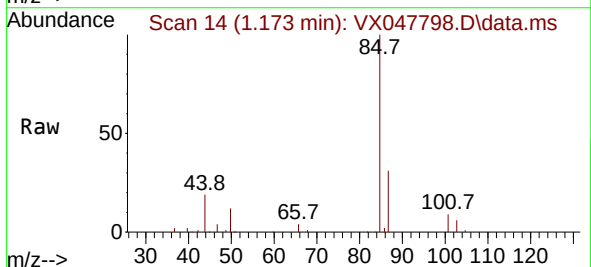
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01



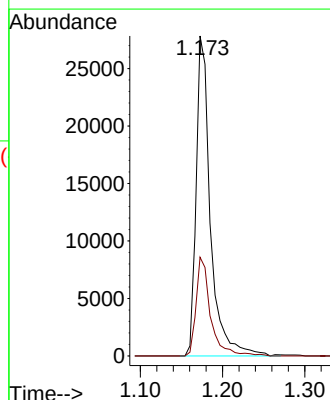
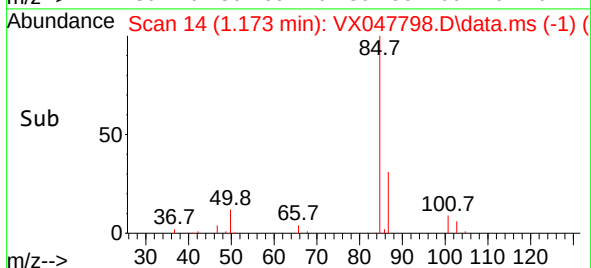
Tgt Ion:168 Resp: 146604
Ion Ratio Lower Upper
168 100
99 61.8 48.8 73.2

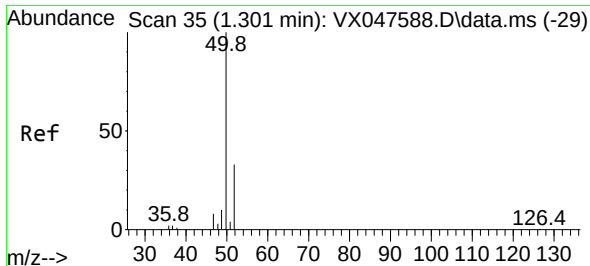


#2
Dichlorodifluoromethane
Concen: 22.058 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13



Tgt Ion: 85 Resp: 33486
Ion Ratio Lower Upper
85 100
87 30.8 15.8 47.3

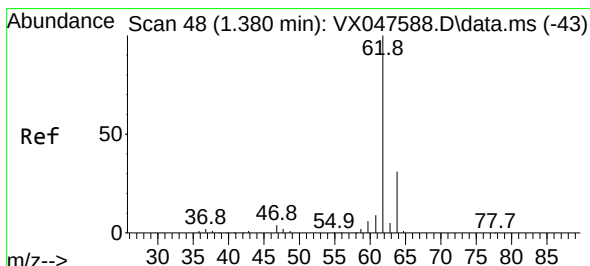
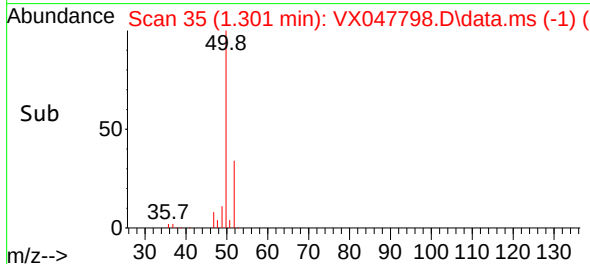
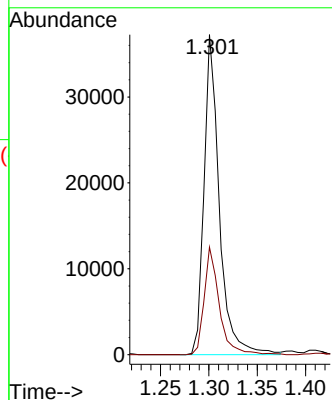
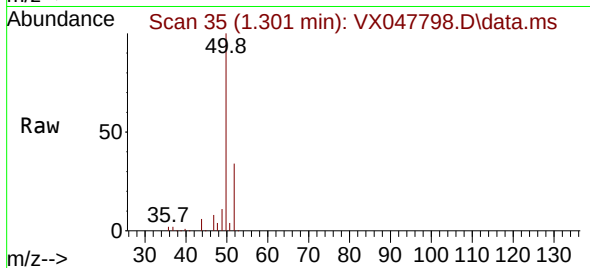




#3
Chloromethane
Concen: 20.612 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

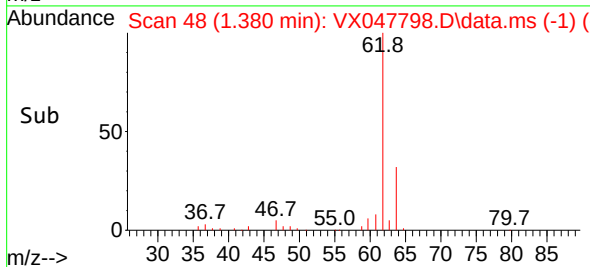
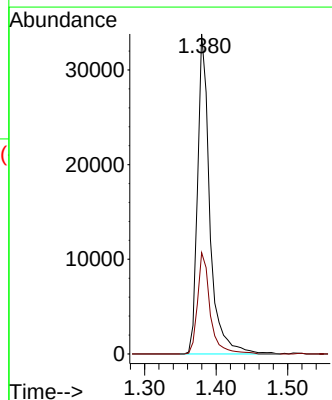
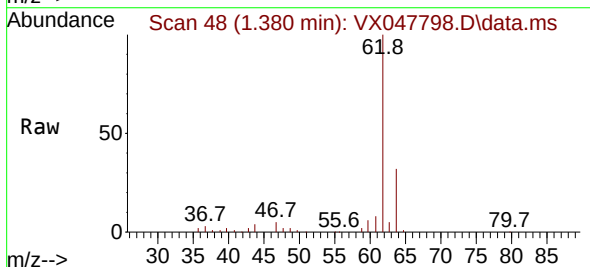
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

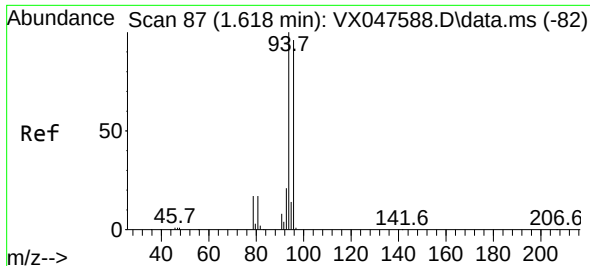
Tgt Ion: 50 Resp: 41125
Ion Ratio Lower Upper
50 100
52 33.6 26.1 39.1



#4
Vinyl Chloride
Concen: 20.566 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 62 Resp: 40168
Ion Ratio Lower Upper
62 100
64 31.7 24.9 37.3

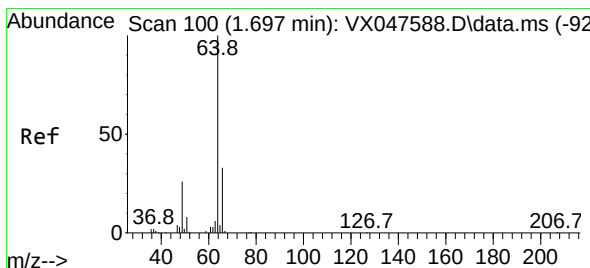
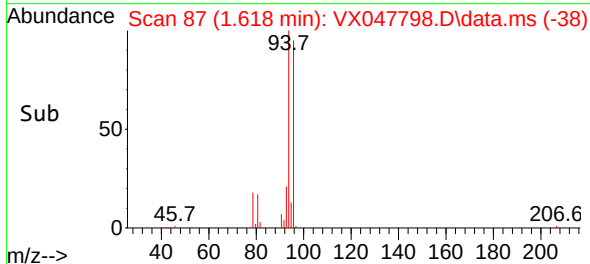
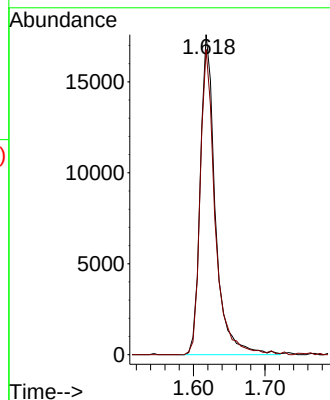
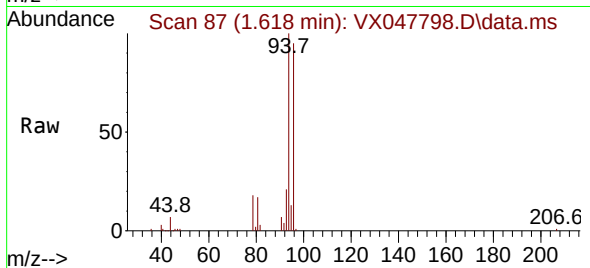




#5
Bromomethane
Concen: 20.825 ug/l
RT: 1.618 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

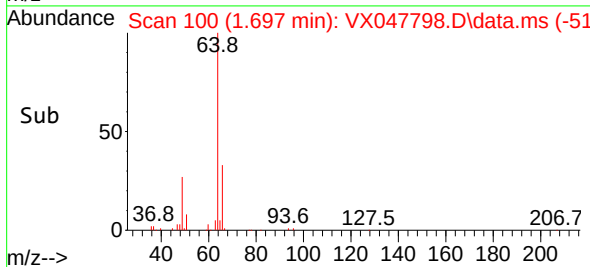
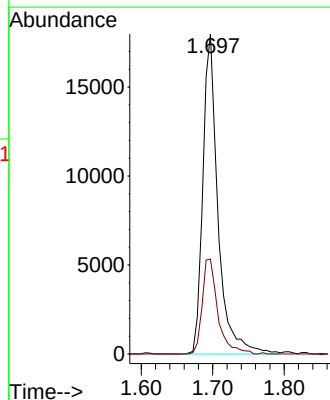
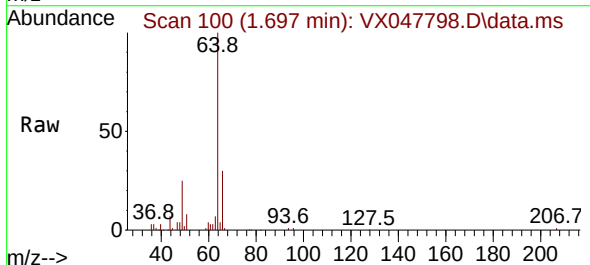
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

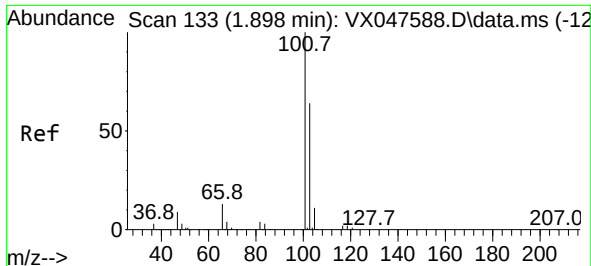
Tgt Ion: 94 Resp: 25791
Ion Ratio Lower Upper
94 100
96 95.4 76.6 115.0



#6
Chloroethane
Concen: 20.242 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 64 Resp: 26423
Ion Ratio Lower Upper
64 100
66 29.6 26.1 39.1

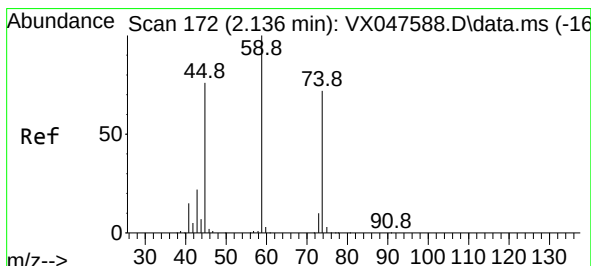
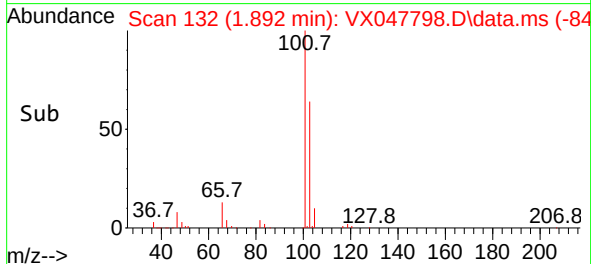
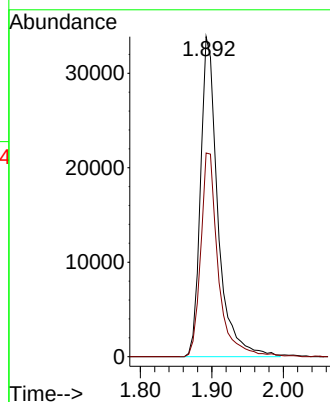
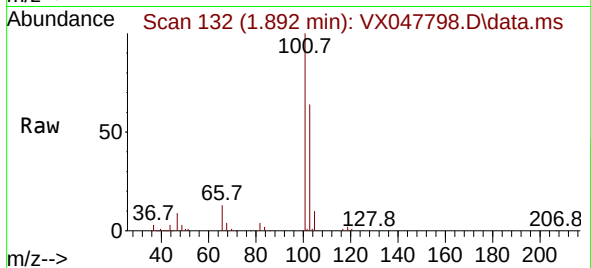




#7
 Trichlorofluoromethane
 Concen: 19.773 ug/l
 RT: 1.892 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX047798.D
 Acq: 25 Sep 2025 10:13

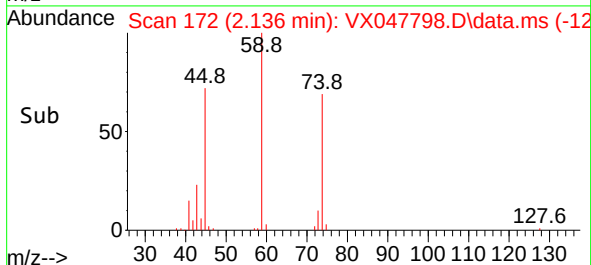
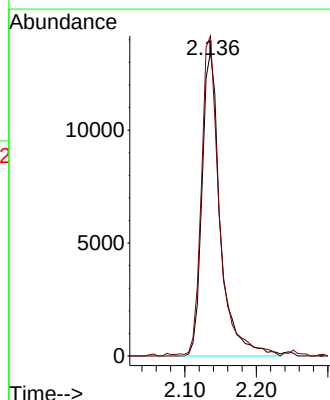
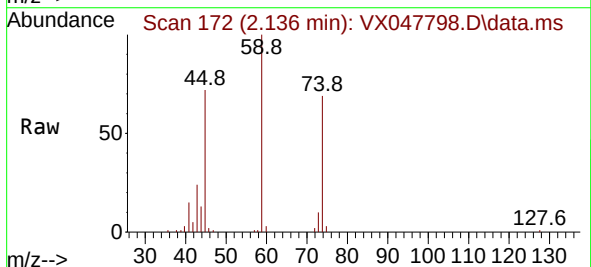
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBS01

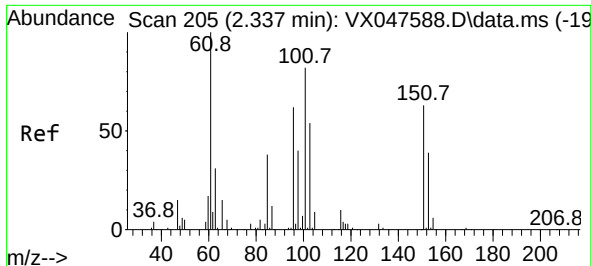
Tgt Ion:101 Resp: 57341
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.4 77.2



#8
 Diethyl Ether
 Concen: 20.199 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. -0.000 min
 Lab File: VX047798.D
 Acq: 25 Sep 2025 10:13

Tgt Ion: 74 Resp: 23961
 Ion Ratio Lower Upper
 74 100
 45 104.8 52.3 156.8

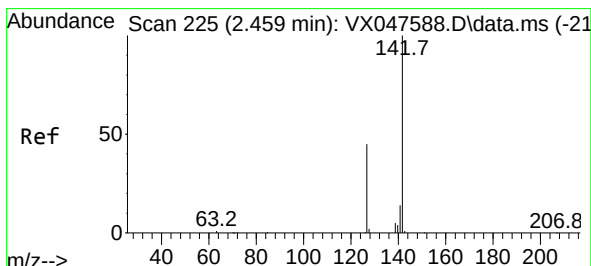
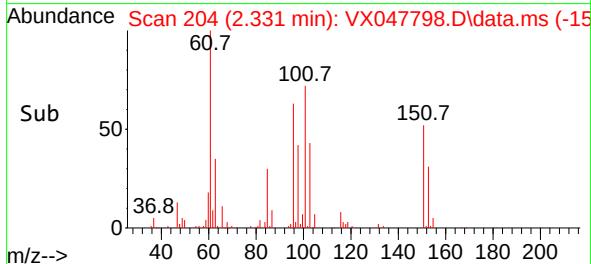
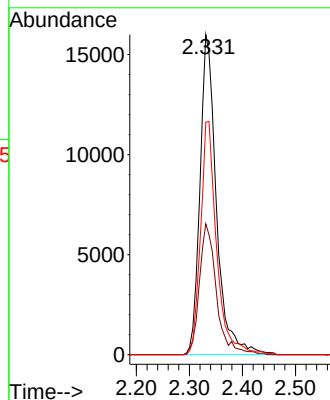
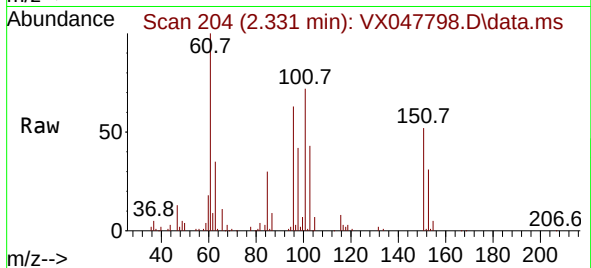




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.318 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

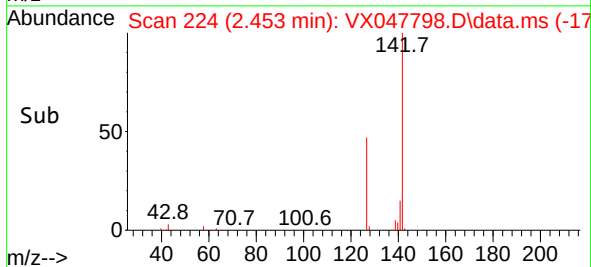
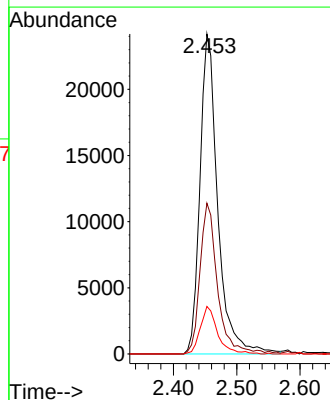
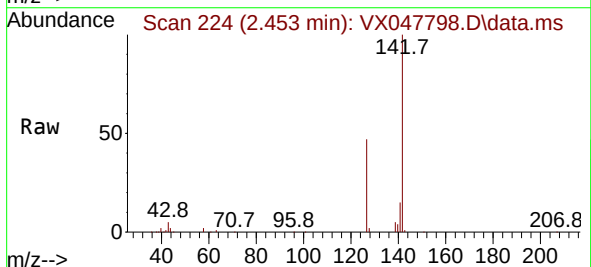
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

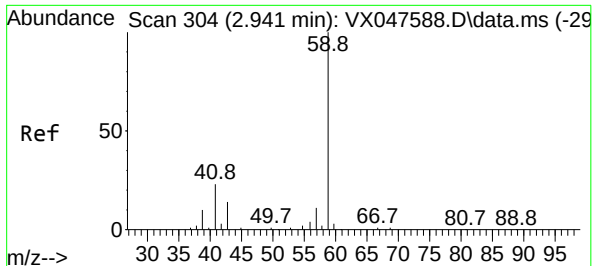
Tgt Ion:101 Resp: 34453
Ion Ratio Lower Upper
101 100
85 42.4 35.5 53.3
151 71.6 59.4 89.0



#10
Methyl Iodide
Concen: 17.915 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion:142 Resp: 47378
Ion Ratio Lower Upper
142 100
127 46.5 37.2 55.8
141 14.4 11.4 17.0

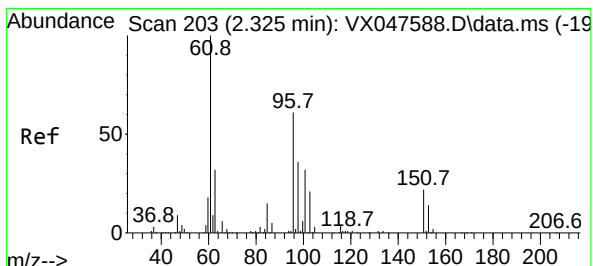
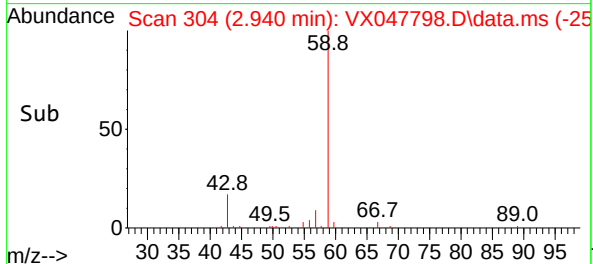
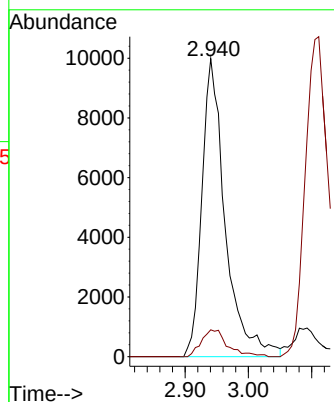
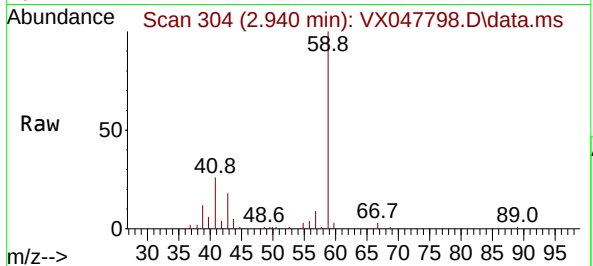




#11
Tert butyl alcohol
Concen: 98.524 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

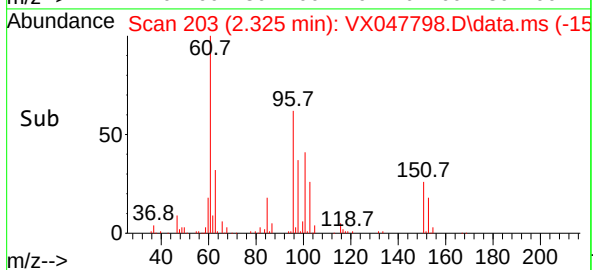
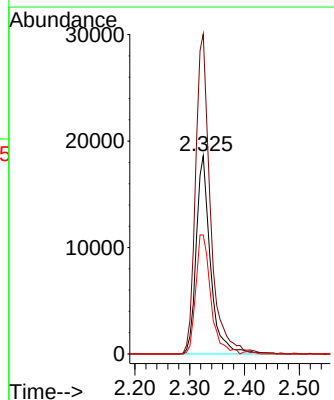
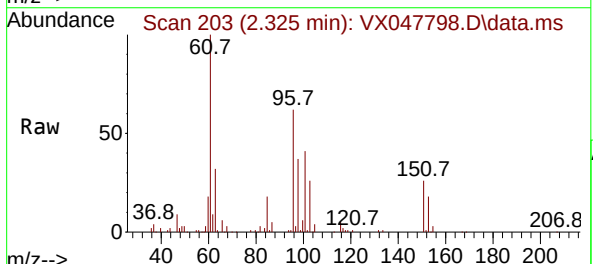
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

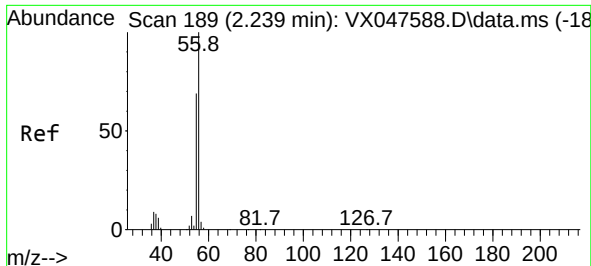
Tgt Ion: 59 Resp: 25606
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5



#12
1,1-Dichloroethene
Concen: 19.312 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 96 Resp: 33638
Ion Ratio Lower Upper
96 100
61 161.4 131.0 196.6
98 60.0 47.7 71.5

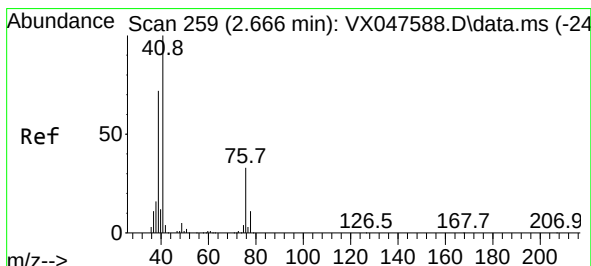
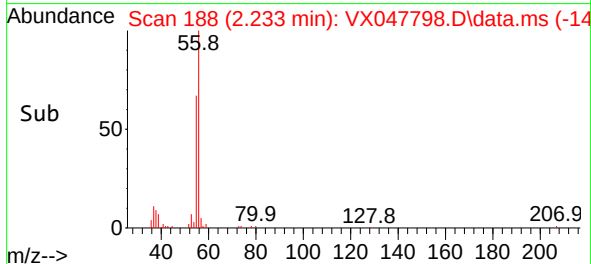
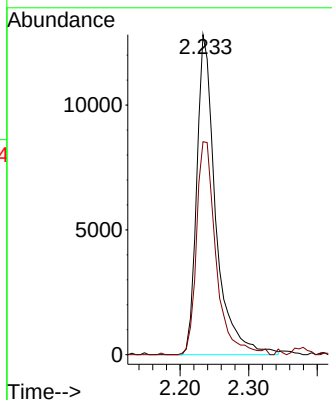
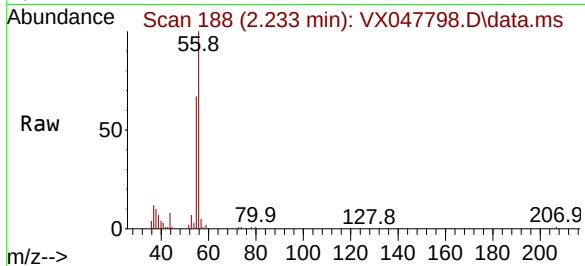




#13
Acrolein
Concen: 102.823 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

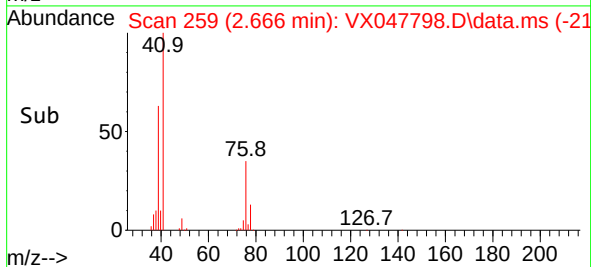
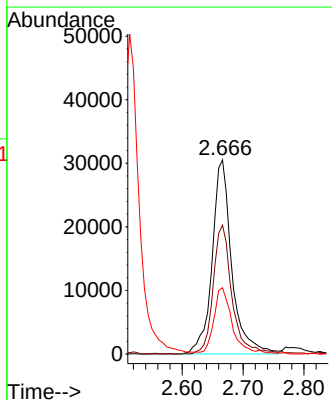
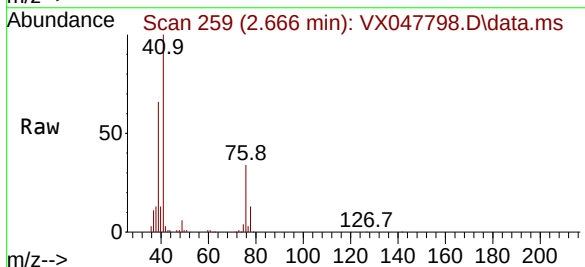
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

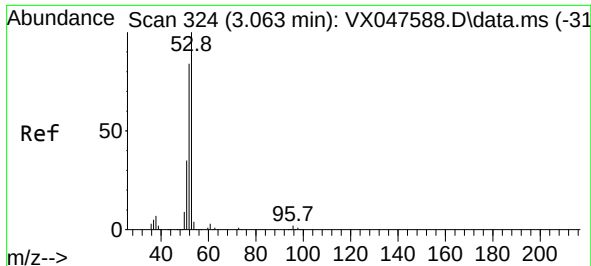
Tgt Ion: 56 Resp: 24626
Ion Ratio Lower Upper
56 100
55 68.8 57.2 85.8



#14
Allyl chloride
Concen: 19.064 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 41 Resp: 68523
Ion Ratio Lower Upper
41 100
39 63.8 54.7 82.1
76 31.9 25.7 38.5

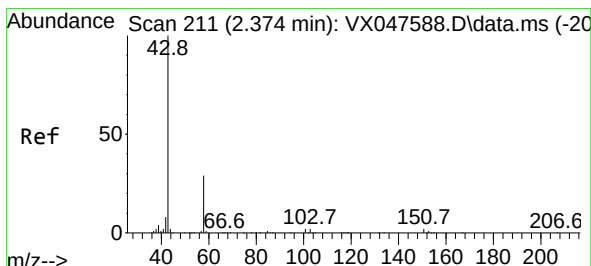
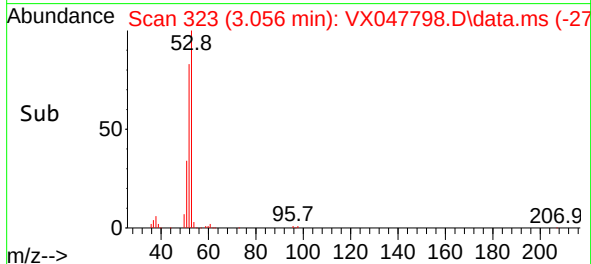
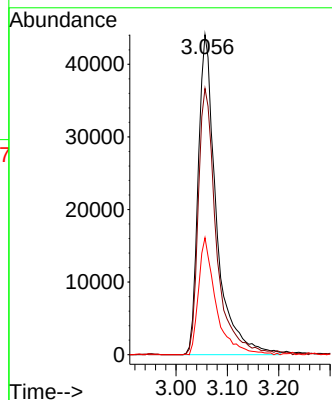
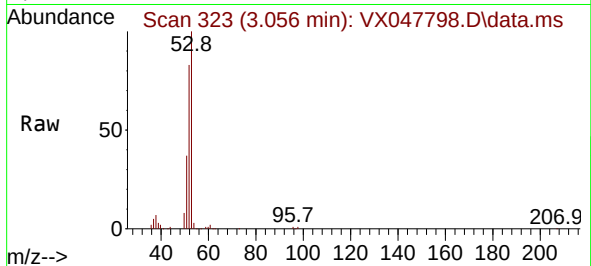




#15
Acrylonitrile
Concen: 112.384 ug/l
RT: 3.056 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

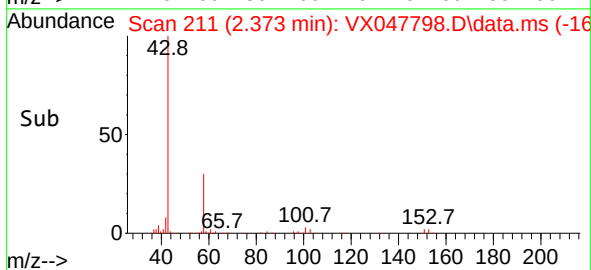
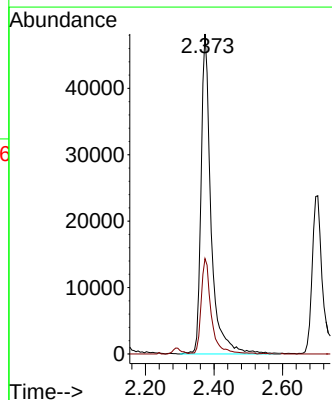
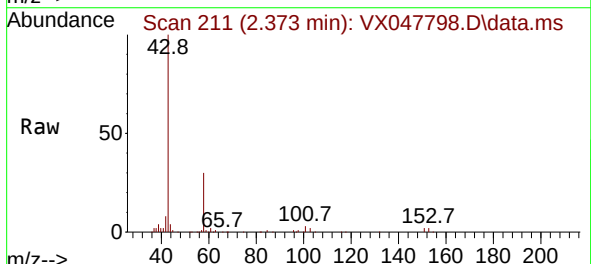
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

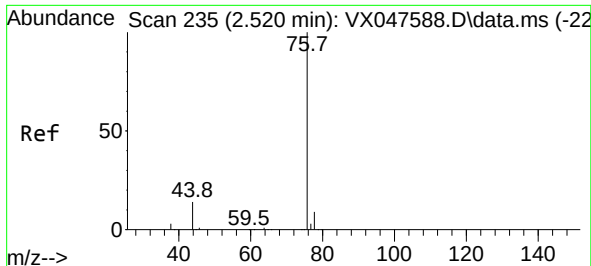
Tgt Ion: 53 Resp: 108189
Ion Ratio Lower Upper
53 100
52 82.6 66.4 99.6
51 35.3 29.5 44.3



#16
Acetone
Concen: 96.444 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 43 Resp: 97856
Ion Ratio Lower Upper
43 100
58 29.8 23.4 35.0

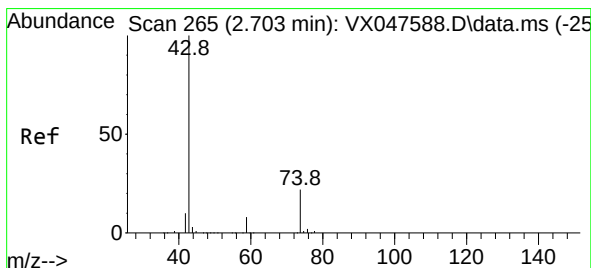
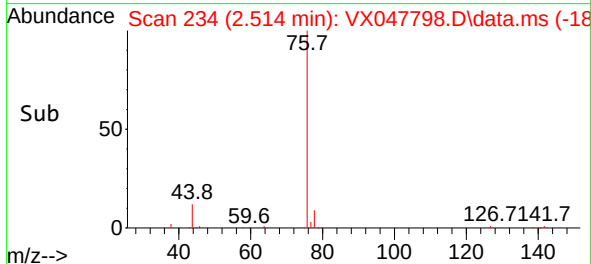
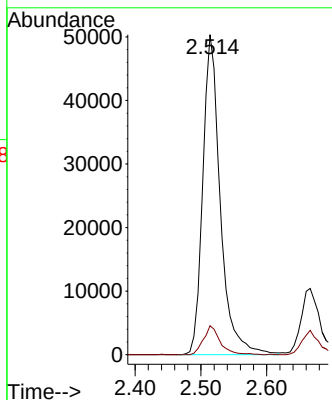
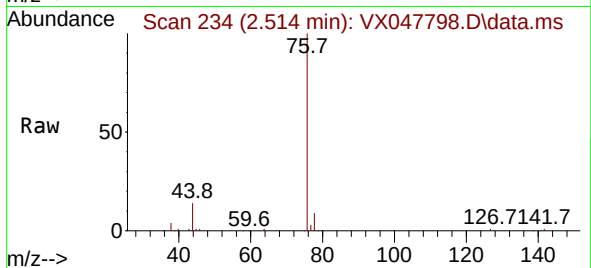




#17
Carbon Disulfide
Concen: 19.550 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

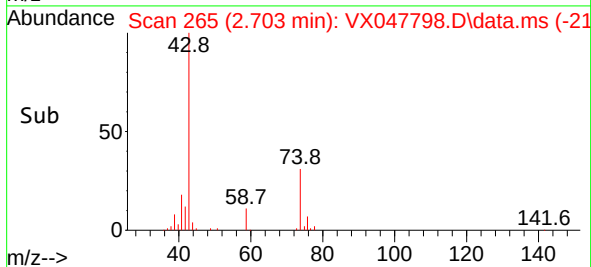
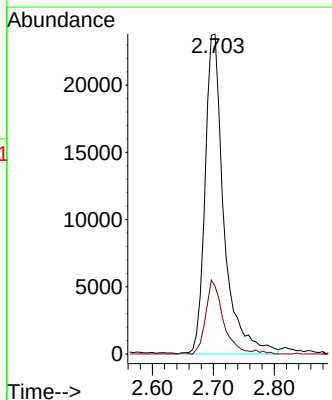
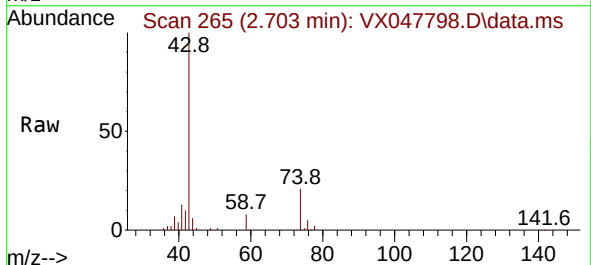
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

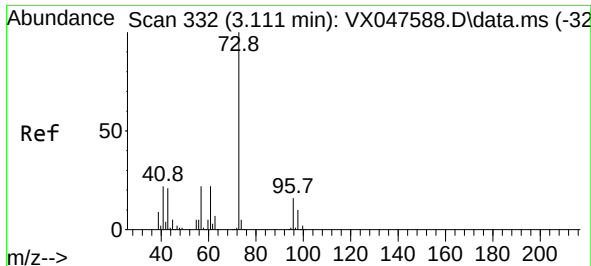
Tgt Ion: 76 Resp: 93220
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2



#18
Methyl Acetate
Concen: 22.648 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 43 Resp: 51140
Ion Ratio Lower Upper
43 100
74 21.3 17.4 26.2

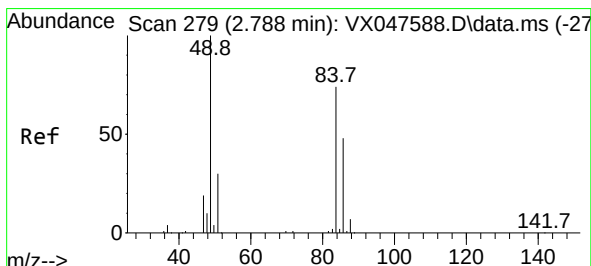
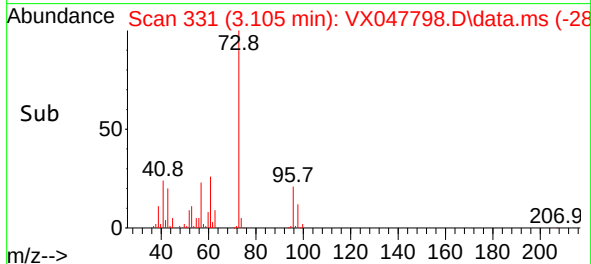
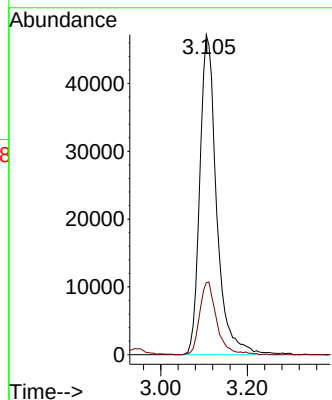
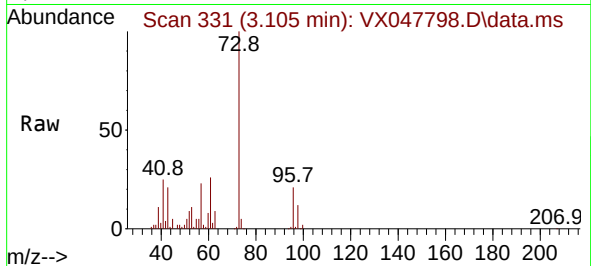




#19
Methyl tert-butyl Ether
Concen: 20.001 ug/l
RT: 3.105 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

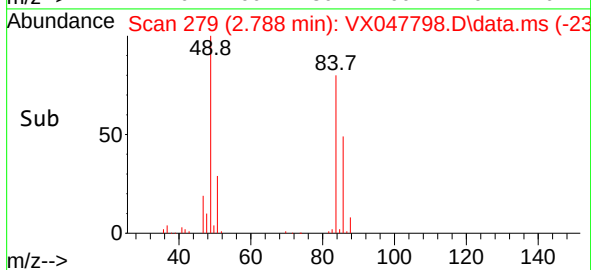
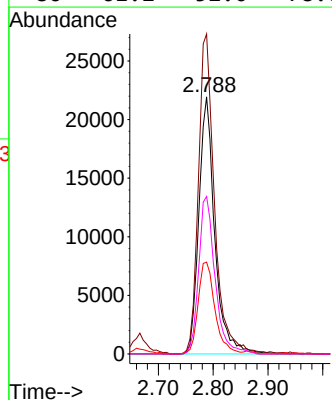
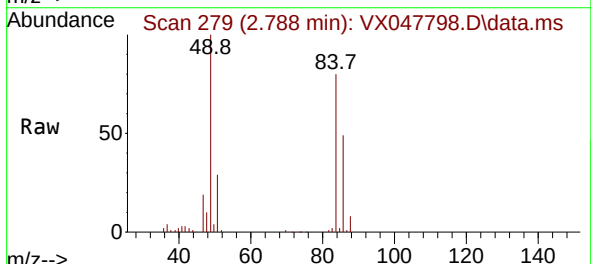
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

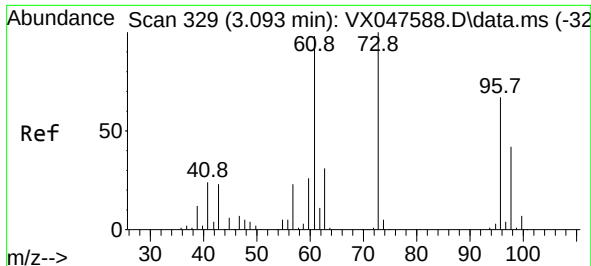
Tgt Ion: 73 Resp: 127175
Ion Ratio Lower Upper
73 100
57 22.5 17.4 26.2



#20
Methylene Chloride
Concen: 20.612 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 84 Resp: 44268
Ion Ratio Lower Upper
84 100
49 124.5 108.6 162.8
51 35.7 32.6 48.8
86 61.2 52.0 78.0

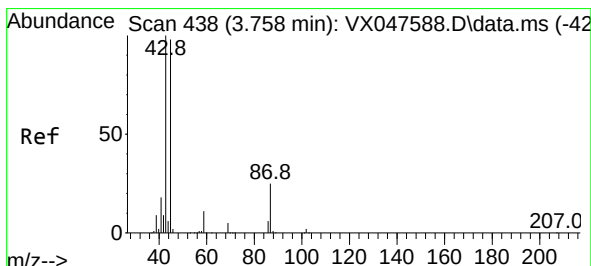
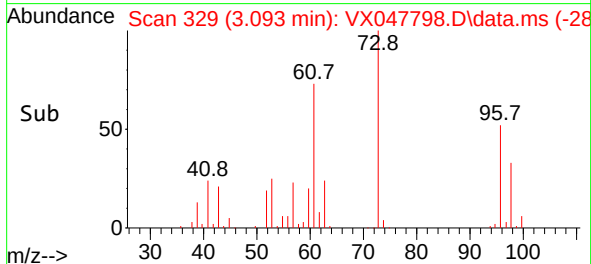
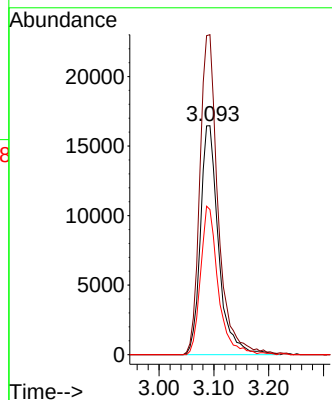
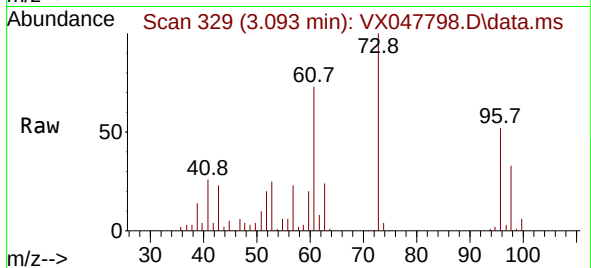




#21
trans-1,2-Dichloroethene
Concen: 20.188 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

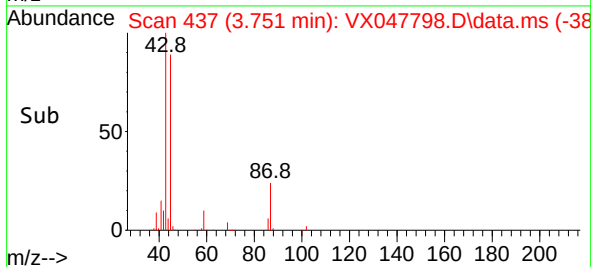
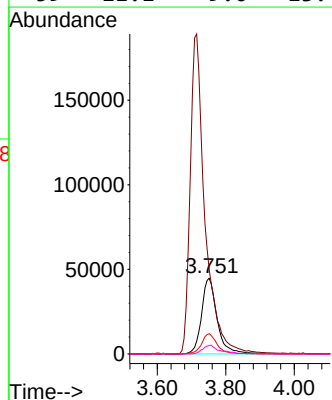
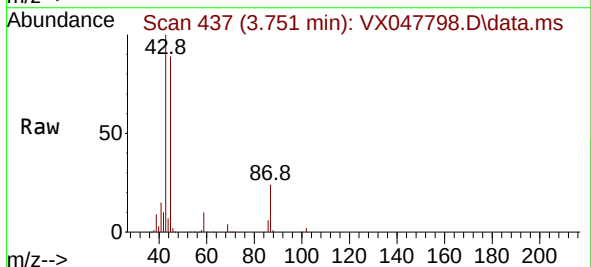
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

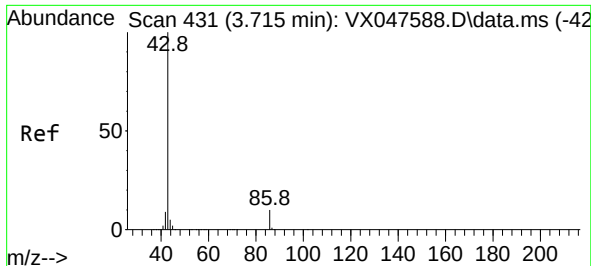
Tgt Ion: 96 Resp: 37858
Ion Ratio Lower Upper
96 100
61 139.7 116.2 174.2
98 63.4 49.3 73.9



#22
Diisopropyl ether
Concen: 20.291 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 45 Resp: 141341
Ion Ratio Lower Upper
45 100
43 110.7 81.0 121.4
87 26.9 20.3 30.5
59 11.1 9.0 13.4

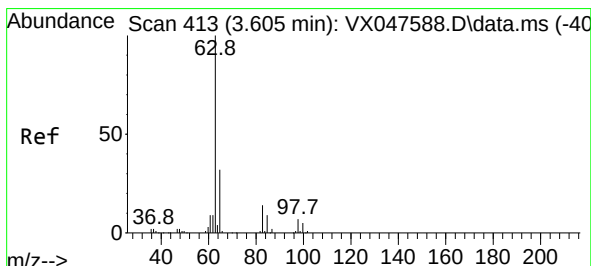
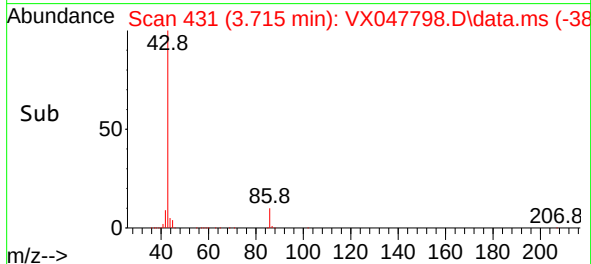
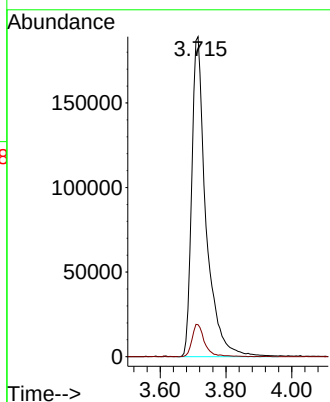
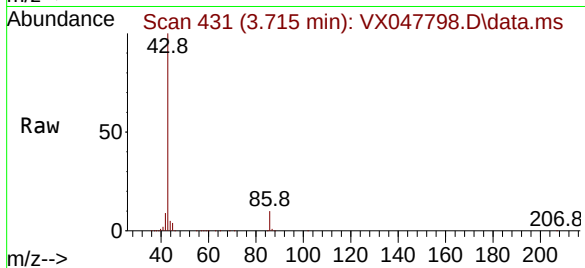




#23
 Vinyl Acetate
 Concen: 102.004 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. -0.000 min
 Lab File: VX047798.D
 Acq: 25 Sep 2025 10:13

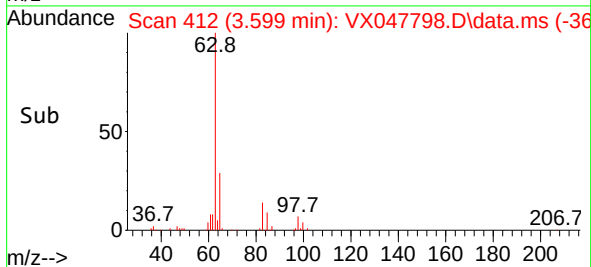
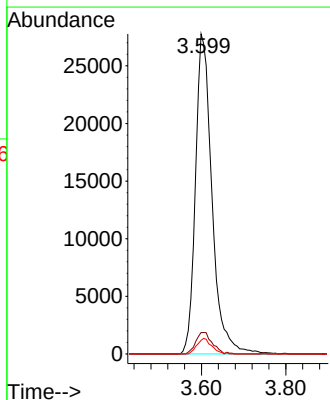
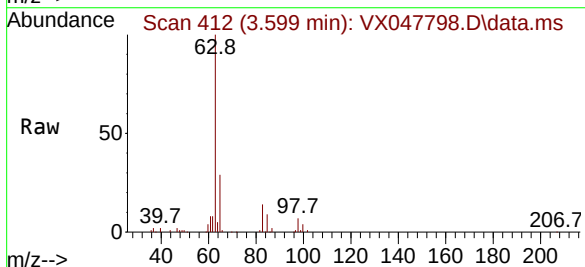
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBS01

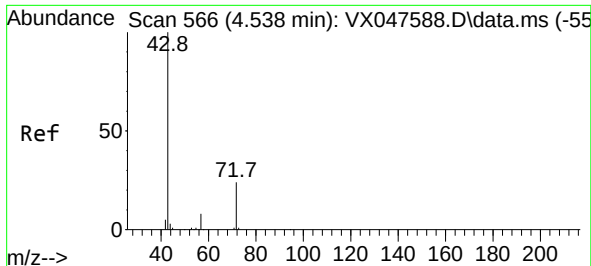
Tgt Ion: 43 Resp: 568677
 Ion Ratio Lower Upper
 43 100
 86 10.0 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 20.427 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.006 min
 Lab File: VX047798.D
 Acq: 25 Sep 2025 10:13

Tgt Ion: 63 Resp: 75627
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.8 11.2
 100 4.3 2.3 6.9

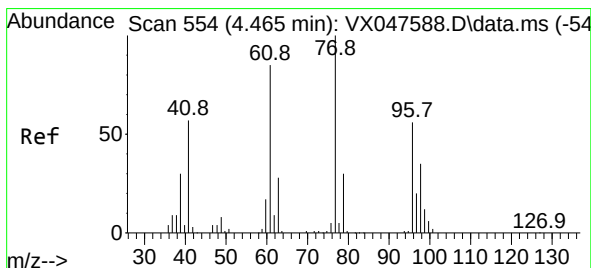
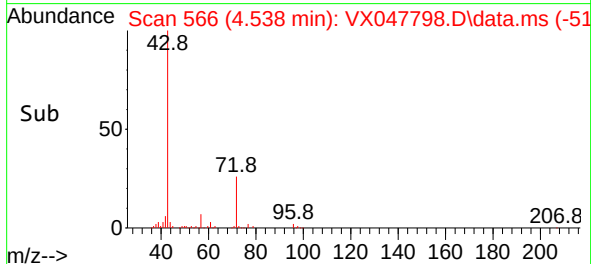
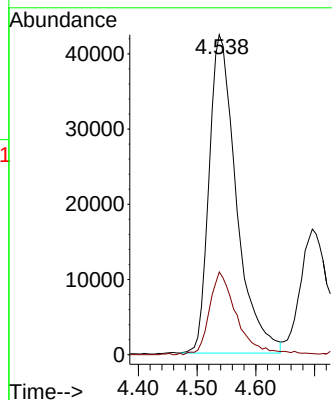
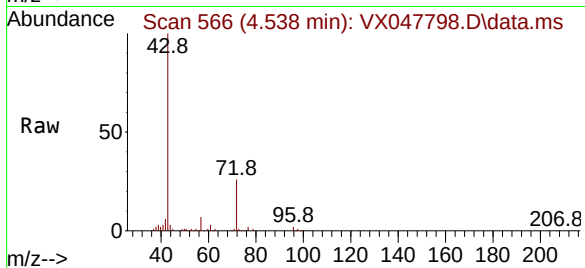




#25
2-Butanone
Concen: 107.864 ug/l
RT: 4.538 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

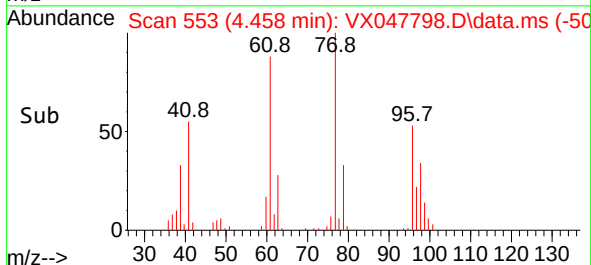
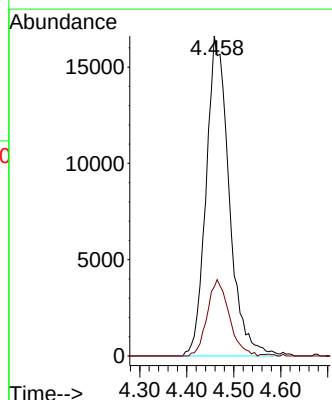
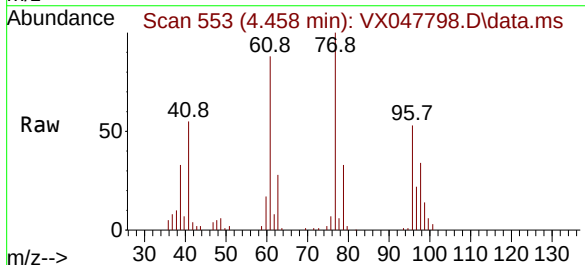
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

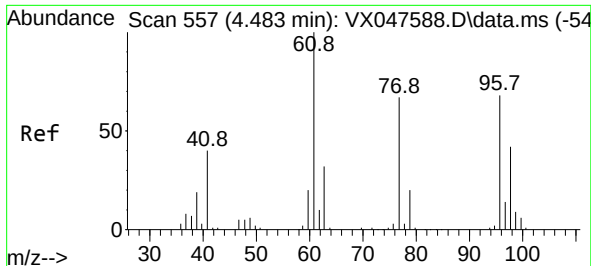
Tgt Ion: 43 Resp: 136517
Ion Ratio Lower Upper
43 100
72 25.6 20.1 30.1



#26
2,2-Dichloropropane
Concen: 18.360 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 77 Resp: 56506
Ion Ratio Lower Upper
77 100
97 22.8 10.9 32.7

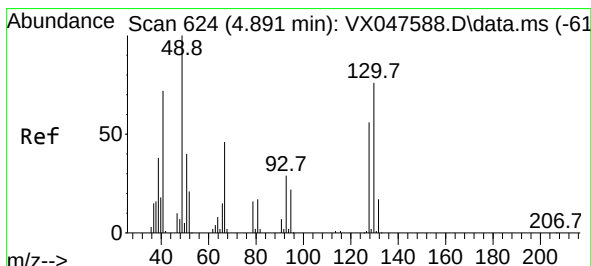
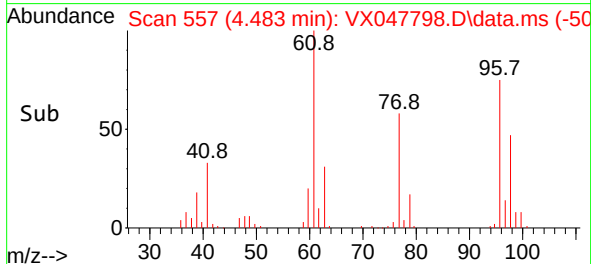
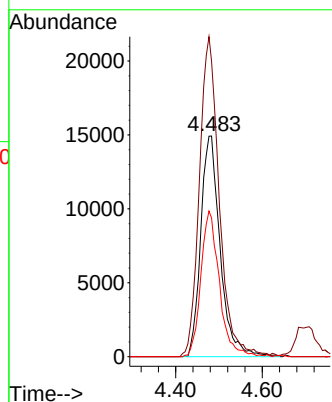
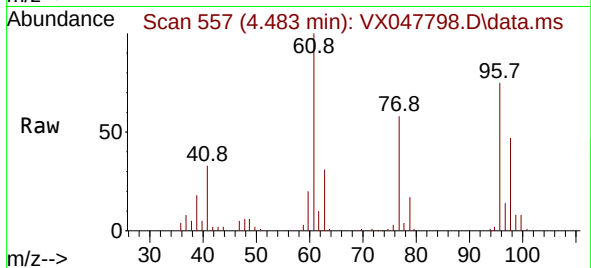




#27
cis-1,2-Dichloroethene
Concen: 20.268 ug/l
RT: 4.483 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

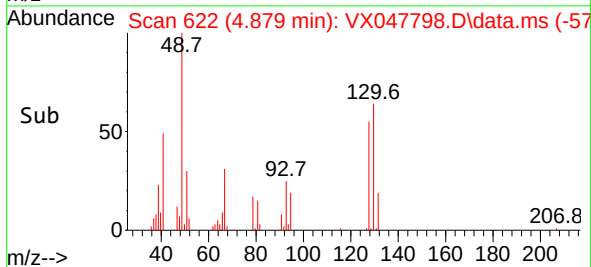
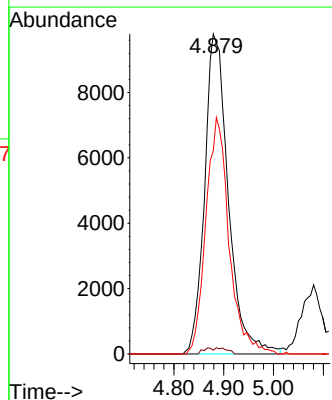
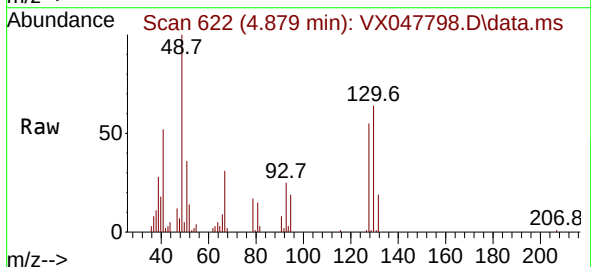
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

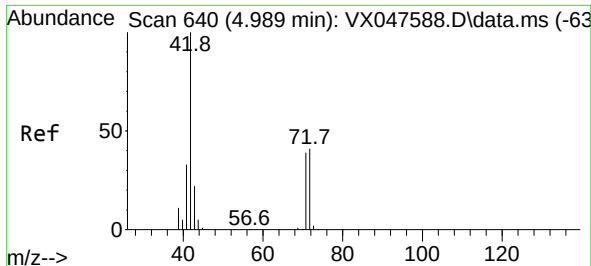
Tgt Ion: 96 Resp: 46548
Ion Ratio Lower Upper
96 100
61 148.1 0.0 303.2
98 62.8 0.0 127.8



#28
Bromochloromethane
Concen: 20.016 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 49 Resp: 32353
Ion Ratio Lower Upper
49 100
129 1.0 0.0 3.2
130 72.0 57.8 86.8





#29

Tetrahydrofuran

Concen: 109.038 ug/l

RT: 4.989 min Scan# 64

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

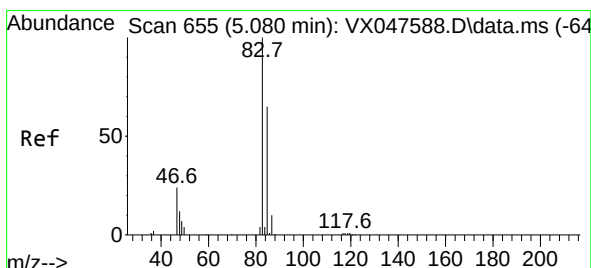
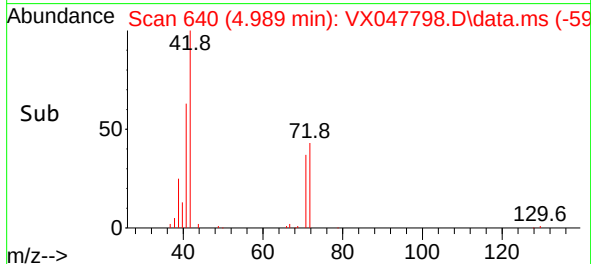
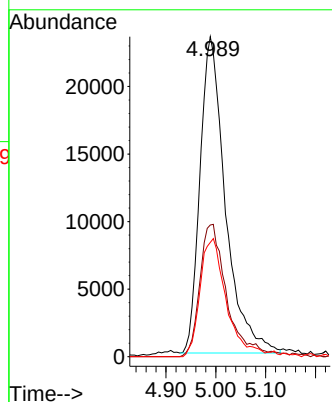
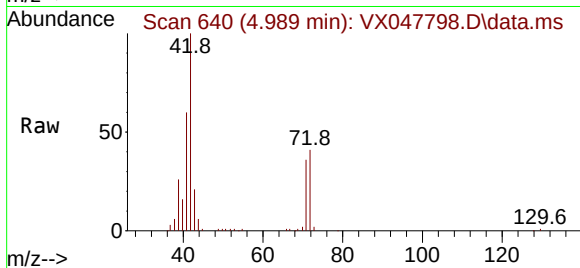
Tgt Ion: 42 Resp: 83019

Ion Ratio Lower Upper

42 100

72 44.6 34.2 51.2

71 38.4 31.9 47.9



#30

Chloroform

Concen: 20.653 ug/l

RT: 5.074 min Scan# 654

Delta R.T. -0.006 min

Lab File: VX047798.D

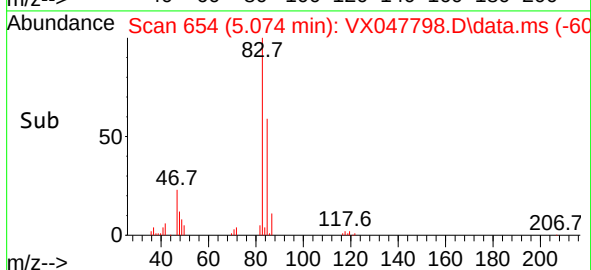
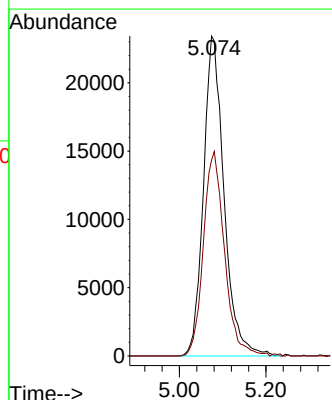
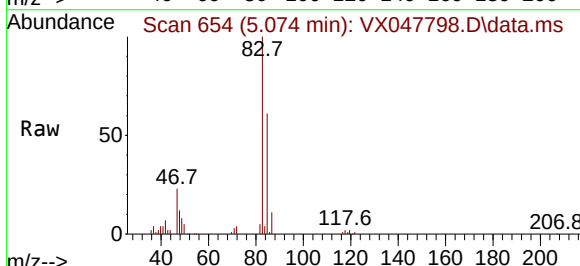
Acq: 25 Sep 2025 10:13

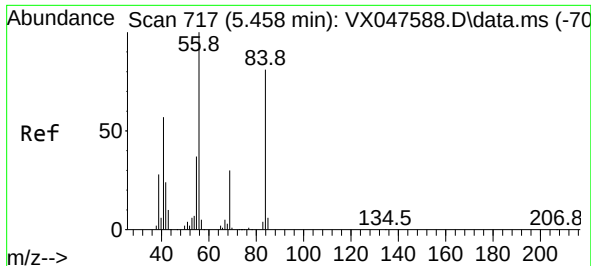
Tgt Ion: 83 Resp: 77269

Ion Ratio Lower Upper

83 100

85 61.2 51.8 77.6

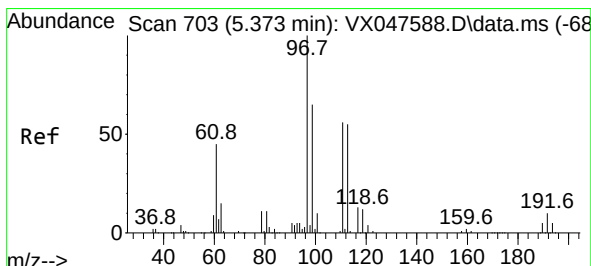
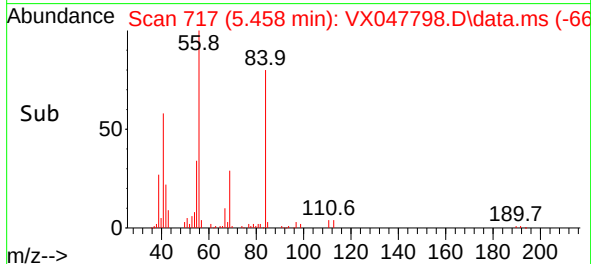
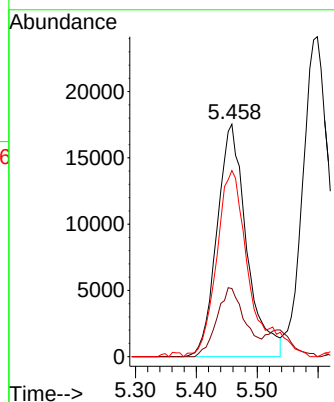
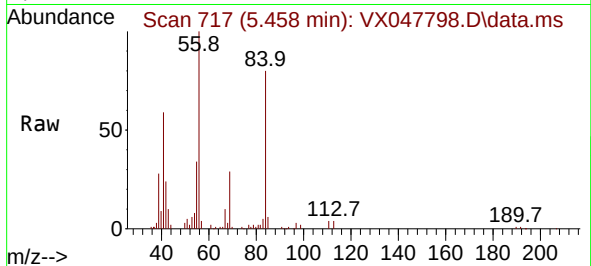




#31
Cyclohexane
Concen: 19.208 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

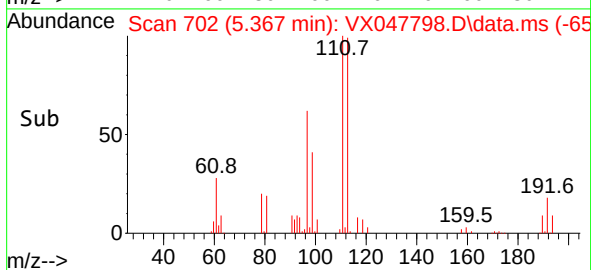
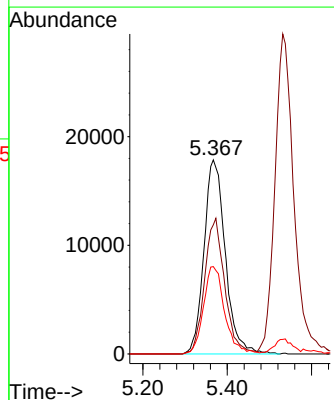
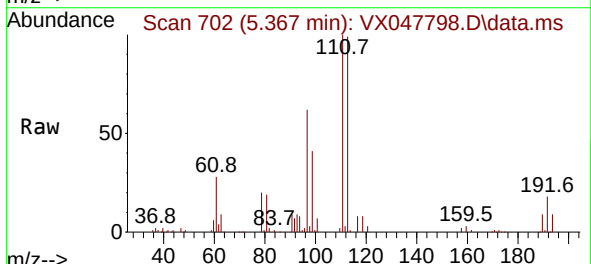
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

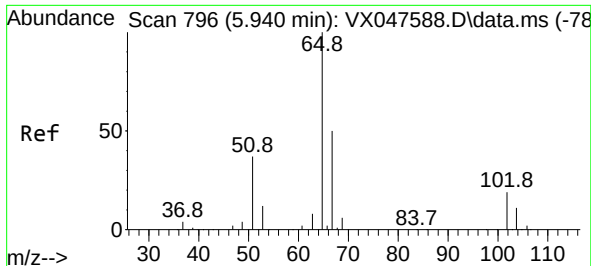
Tgt Ion:	56	Resp:	59230
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.8	35.8
84	78.3	64.6	97.0



#32
1,1,1-Trichloroethane
Concen: 19.798 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion:	97	Resp:	62827
Ion	Ratio	Lower	Upper
97	100		
99	65.9	50.6	76.0
61	44.6	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 53.330 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

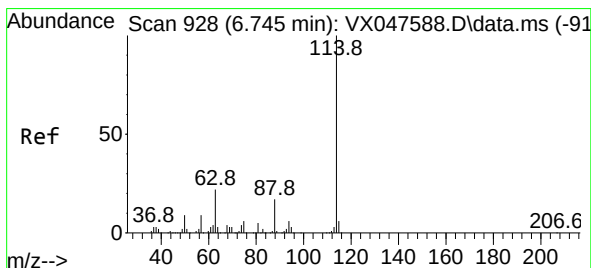
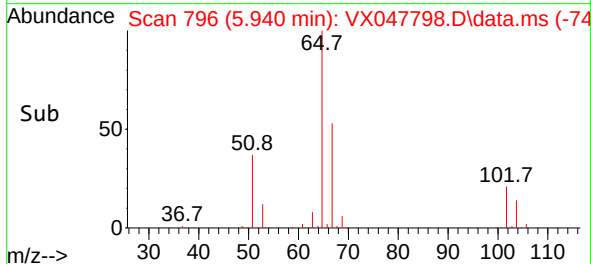
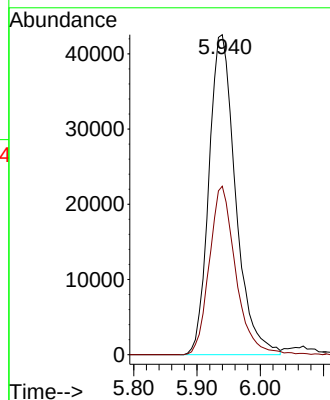
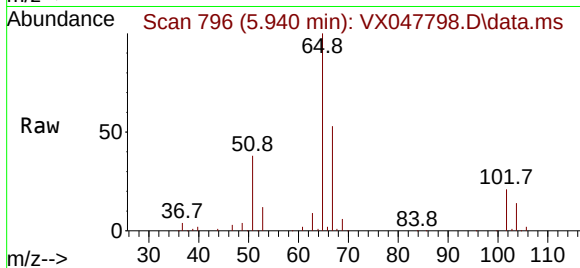
VX0925WBS01

Tgt Ion: 65 Resp: 124450

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

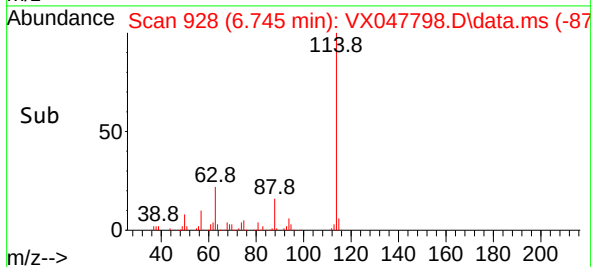
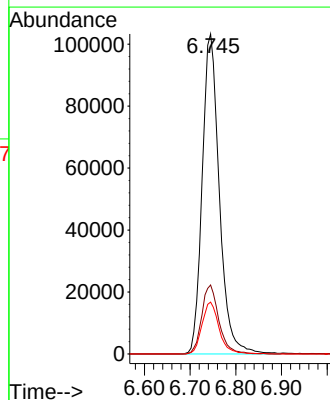
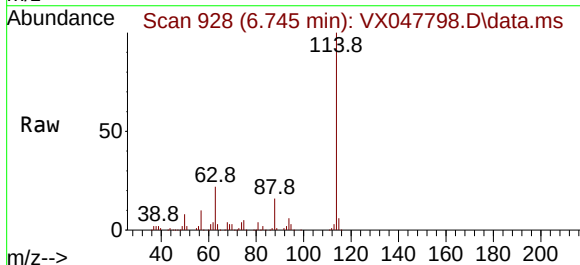
Tgt Ion: 114 Resp: 268605

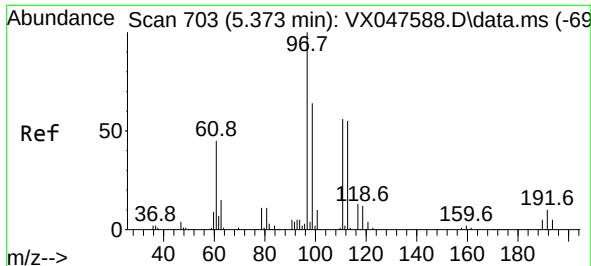
Ion Ratio Lower Upper

114 100

63 24.6 0.0 44.0

88 16.2 0.0 34.2

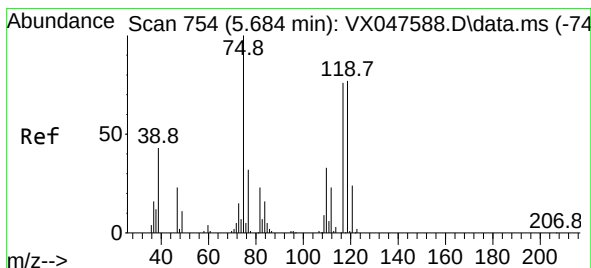
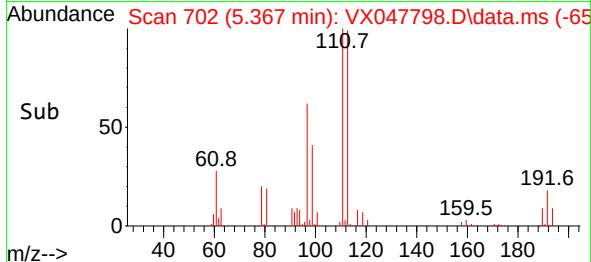
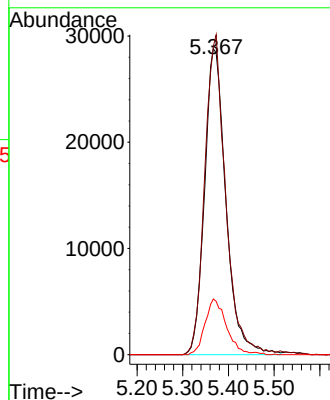
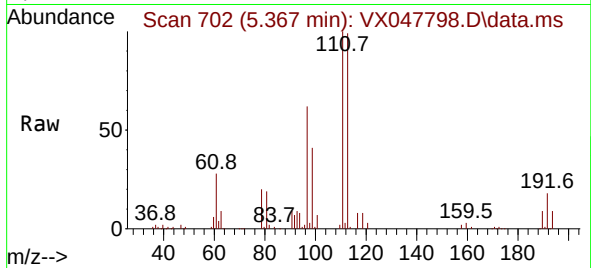




#35
Dibromofluoromethane
Concen: 52.034 ug/l
RT: 5.367 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

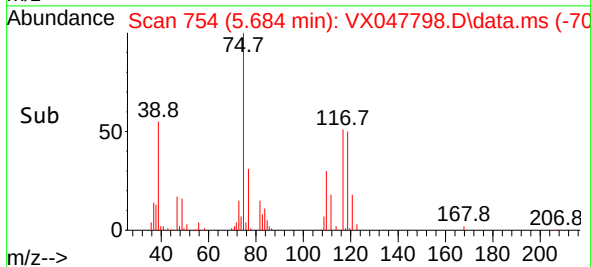
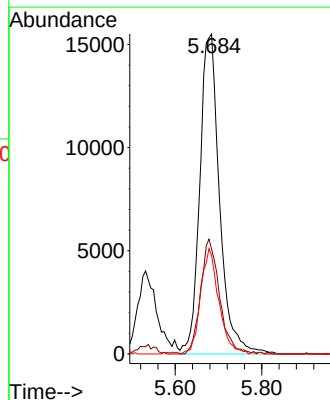
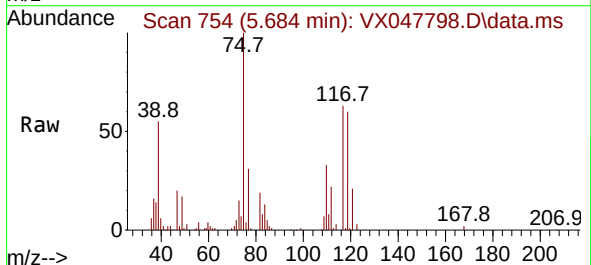
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

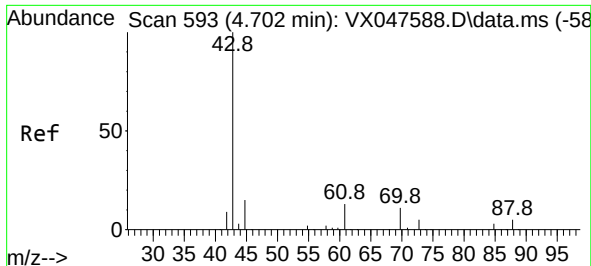
Tgt Ion:113 Resp: 93735
Ion Ratio Lower Upper
113 100
111 102.0 80.9 121.3
192 18.3 14.2 21.4



#36
1,1-Dichloropropene
Concen: 18.687 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 75 Resp: 49190
Ion Ratio Lower Upper
75 100
110 34.5 16.7 50.1
77 30.4 24.3 36.5

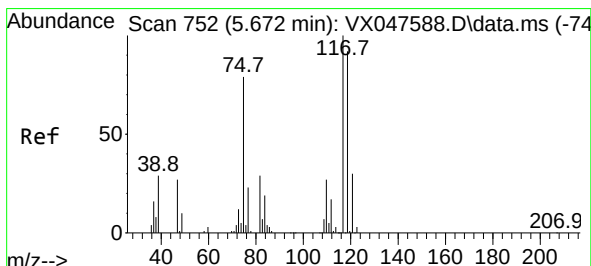
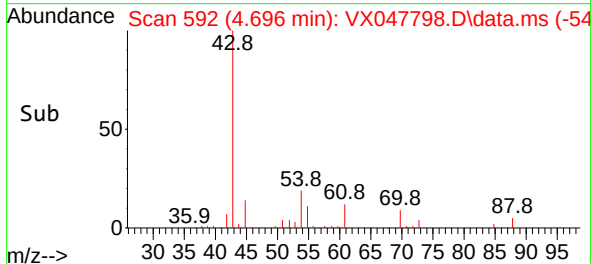
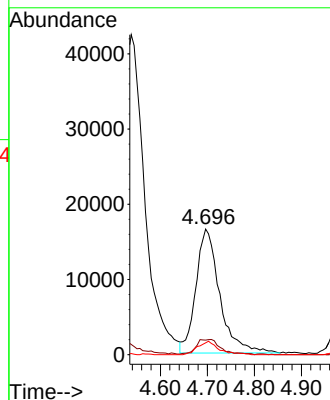
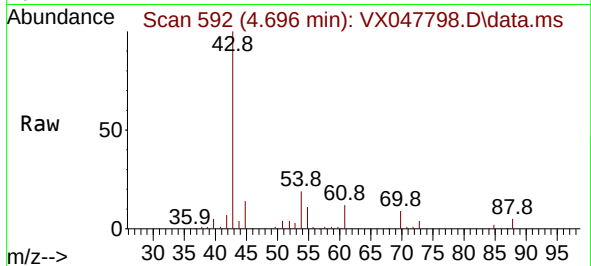




#37
Ethyl Acetate
Concen: 20.616 ug/l
RT: 4.696 min Scan# 591
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

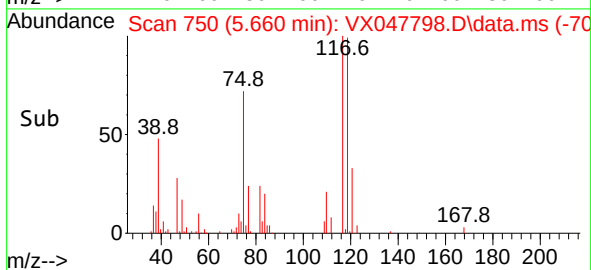
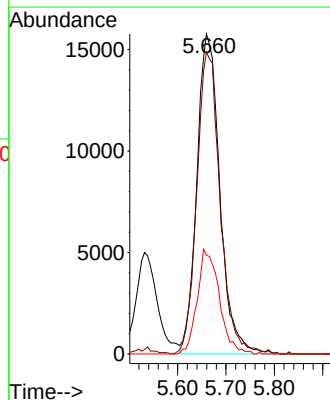
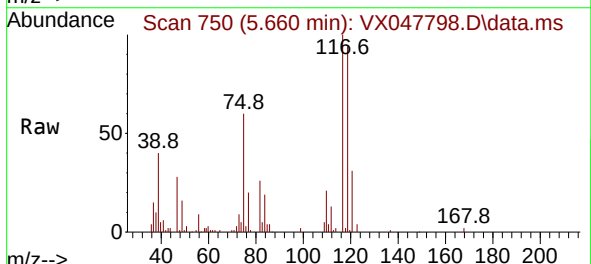
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

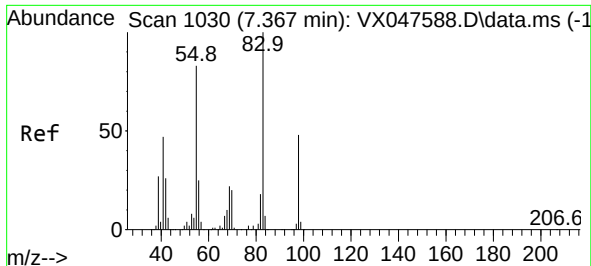
Tgt Ion:	43	Resp:	58104
Ion	Ratio	Lower	Upper
43	100		
61	12.7	9.8	14.8
70	9.5	7.9	11.9



#38
Carbon Tetrachloride
Concen: 18.201 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion:	117	Resp:	52056
Ion	Ratio	Lower	Upper
117	100		
119	94.4	73.4	110.2
121	30.9	23.8	35.6





#39

Methylcyclohexane

Concen: 17.818 ug/l

RT: 7.367 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

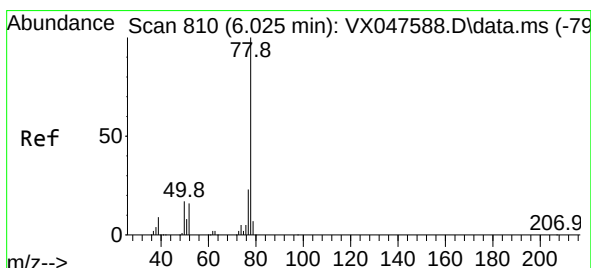
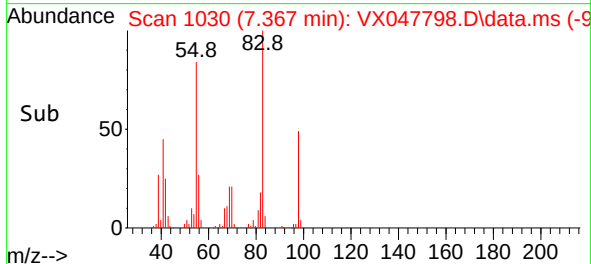
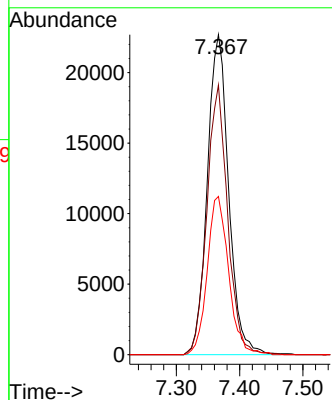
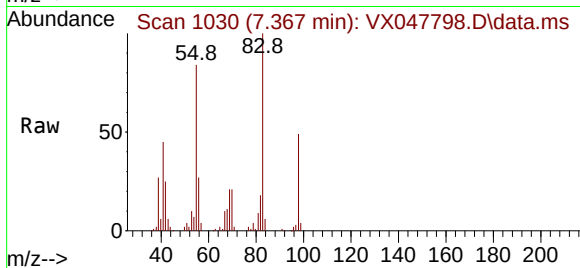
Tgt Ion: 83 Resp: 53240

Ion Ratio Lower Upper

83 100

55 84.3 66.4 99.6

98 49.4 38.1 57.1



#40

Benzene

Concen: 19.850 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX047798.D

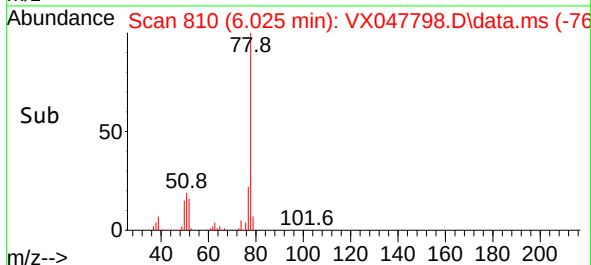
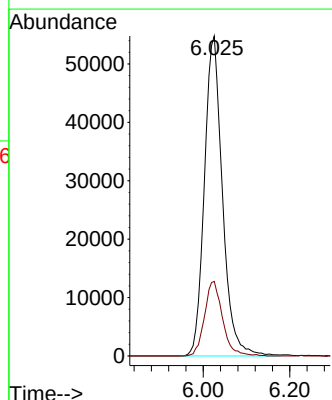
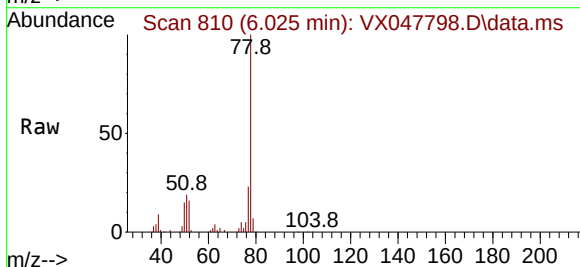
Acq: 25 Sep 2025 10:13

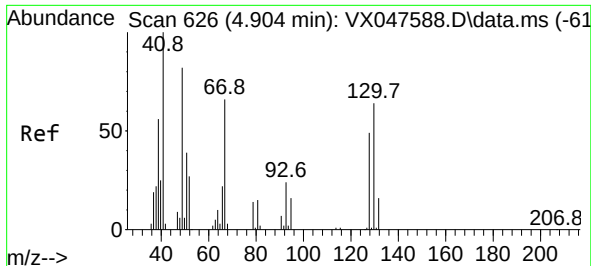
Tgt Ion: 78 Resp: 158698

Ion Ratio Lower Upper

78 100

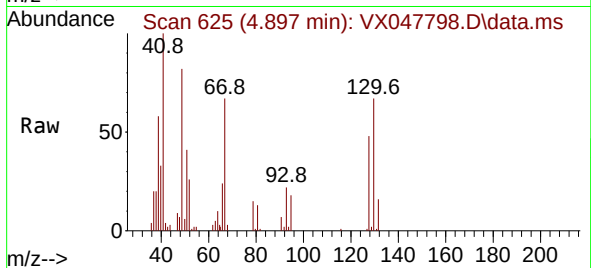
77 23.3 18.8 28.2



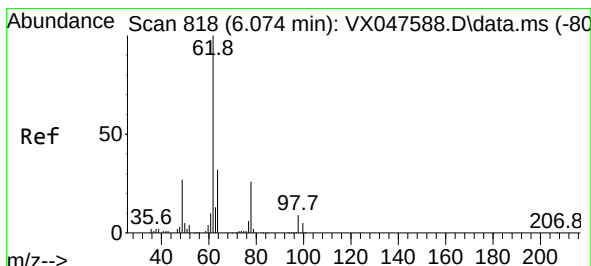
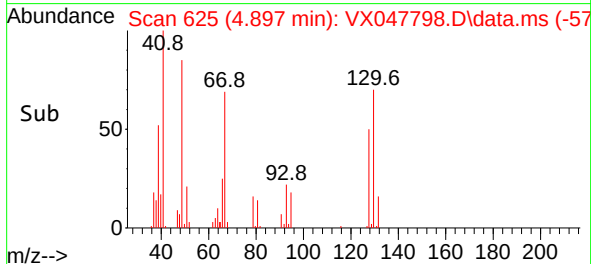
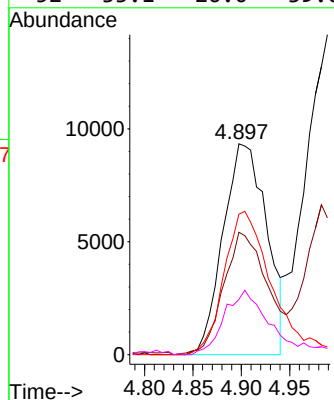


#41
Methacrylonitrile
Concen: 20.125 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

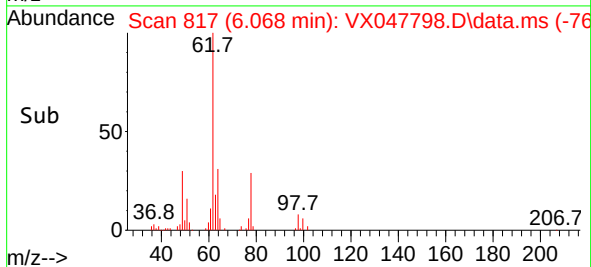
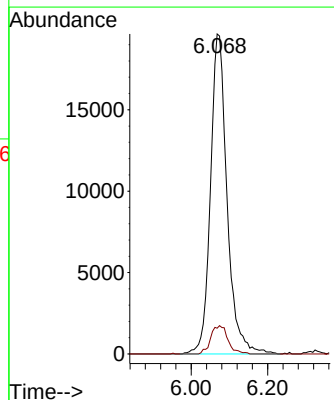
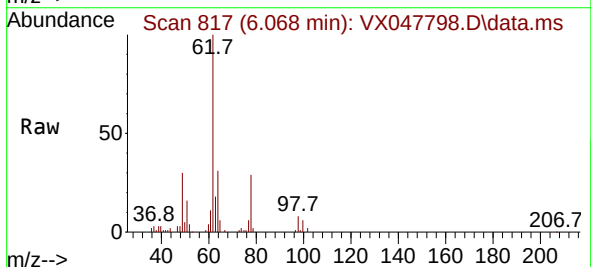


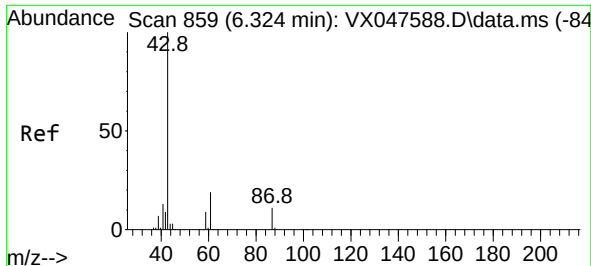
Tgt Ion:	41	Resp:	29283
Ion	Ratio	Lower	Upper
41	100		
39	58.6	43.3	64.9
67	74.2	58.6	87.8
52	33.1	26.0	39.0



#42
1,2-Dichloroethane
Concen: 19.457 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion:	62	Resp:	59188
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.0

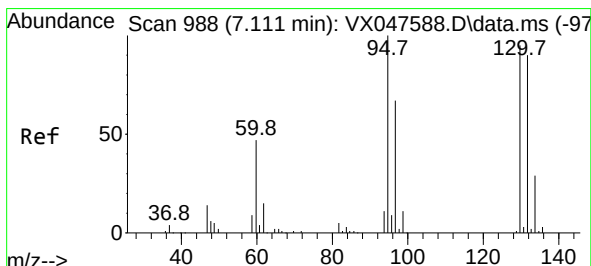
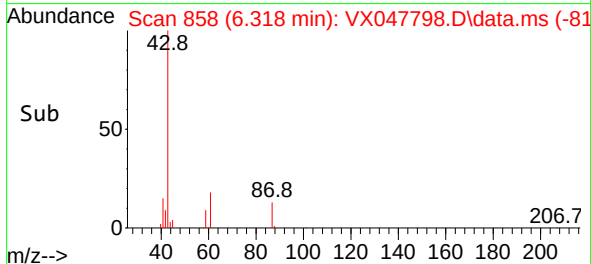
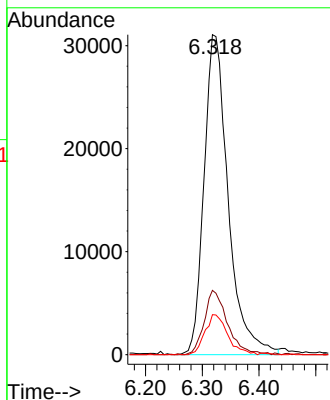
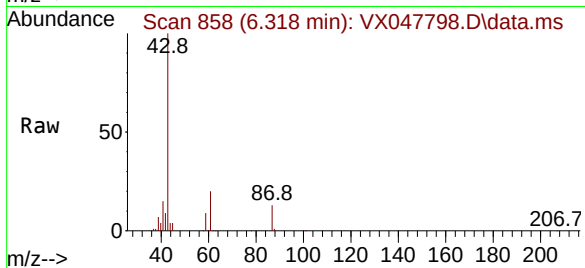




#43
Isopropyl Acetate
Concen: 19.936 ug/l
RT: 6.318 min Scan# 859
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

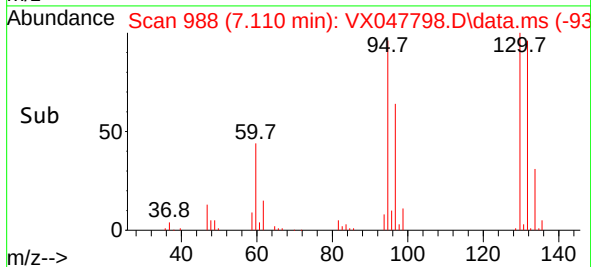
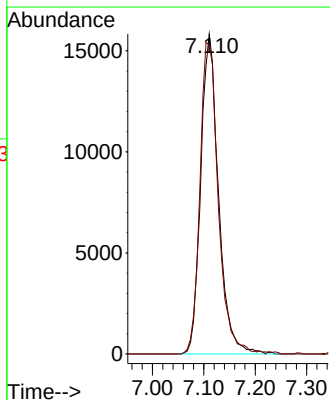
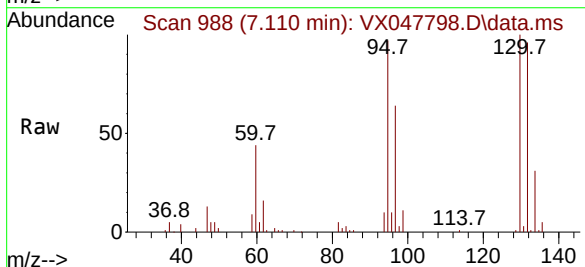
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

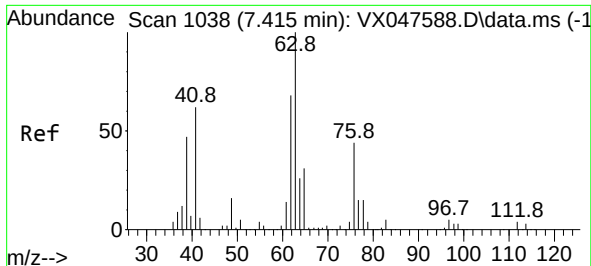
Tgt Ion:	43	Resp:	92154
Ion Ratio	Lower	Upper	
43	100		
61	19.2	15.2	22.8
87	11.7	9.6	14.4



#44
Trichloroethene
Concen: 19.662 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion:	130	Resp:	38005
Ion Ratio	Lower	Upper	
130	100		
95	96.6	0.0	210.8





#45

1,2-Dichloropropane

Concen: 20.111 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

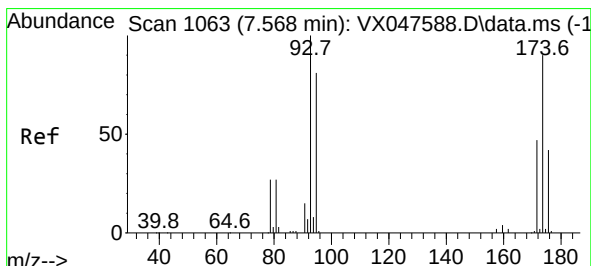
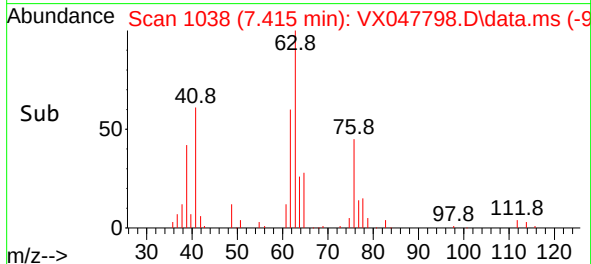
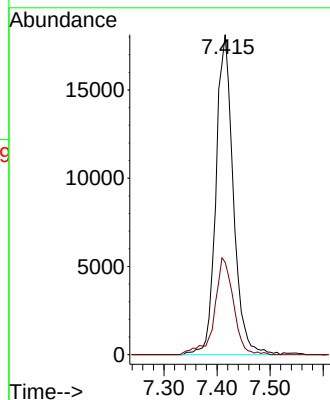
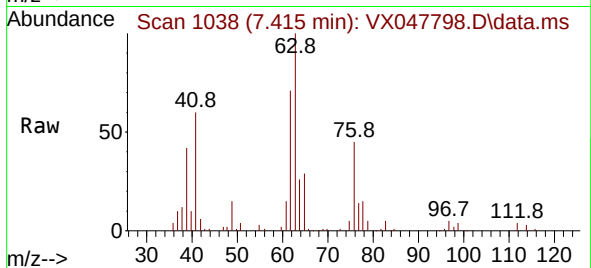
VX0925WBS01

Tgt Ion: 63 Resp: 41172

Ion Ratio Lower Upper

63 100

65 28.9 24.7 37.1



#46

Dibromomethane

Concen: 20.053 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

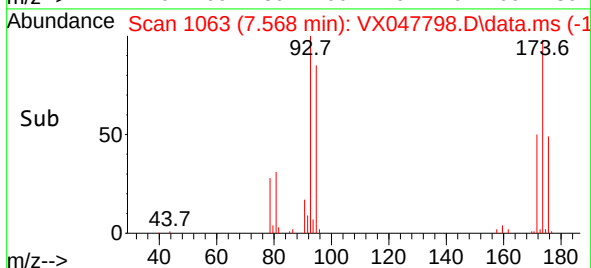
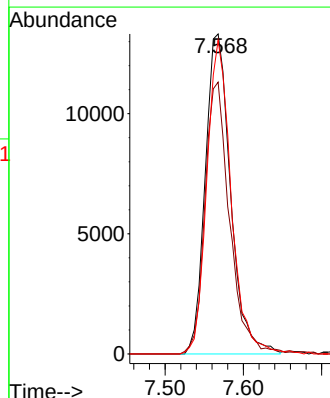
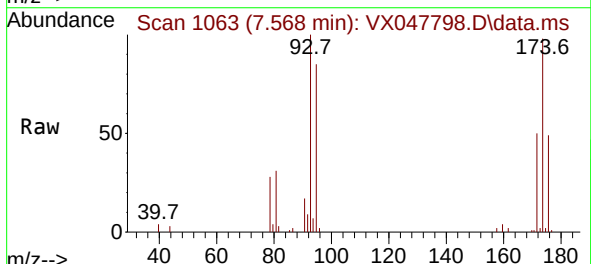
Tgt Ion: 93 Resp: 29874

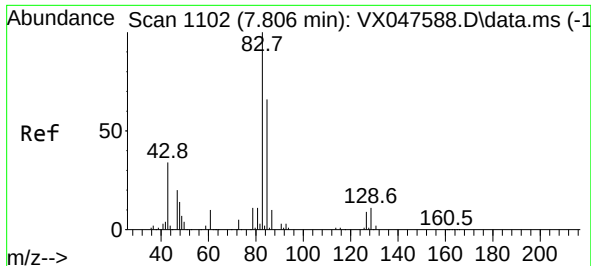
Ion Ratio Lower Upper

93 100

95 82.9 65.0 97.6

174 94.3 71.6 107.4

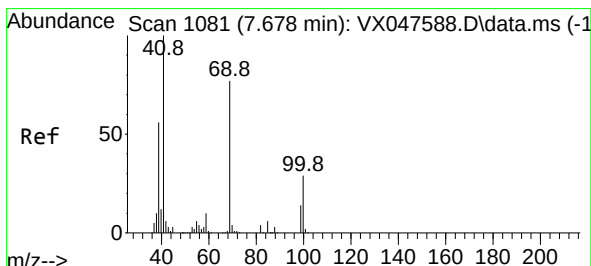
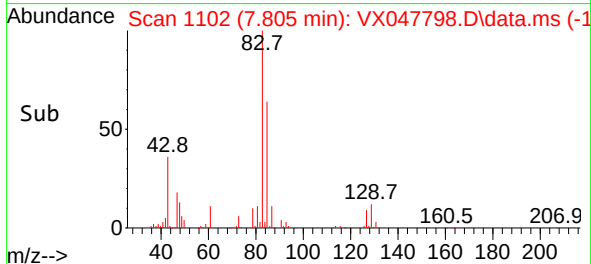
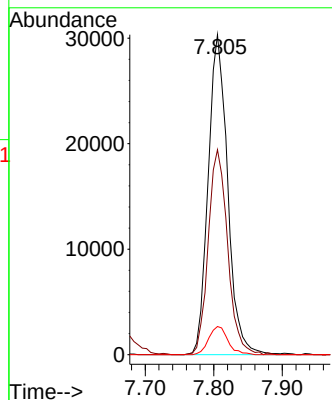
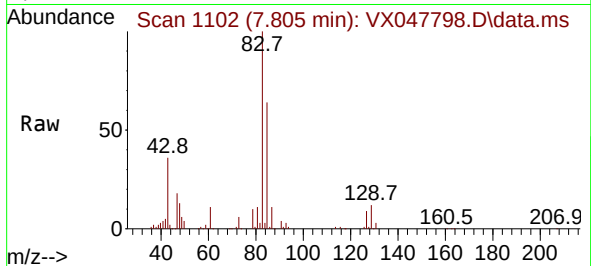




#47
Bromodichloromethane
Concen: 19.481 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

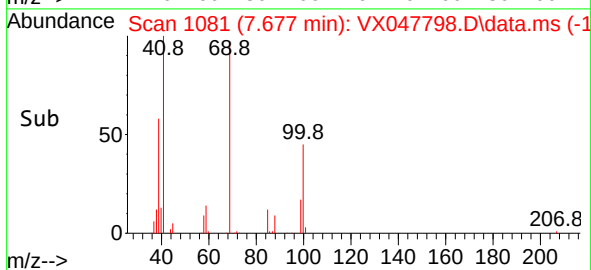
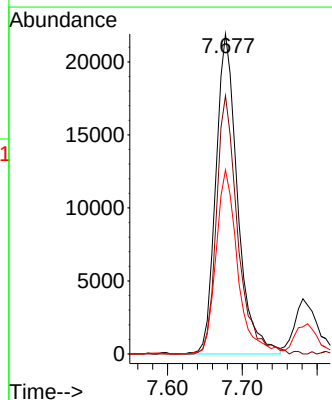
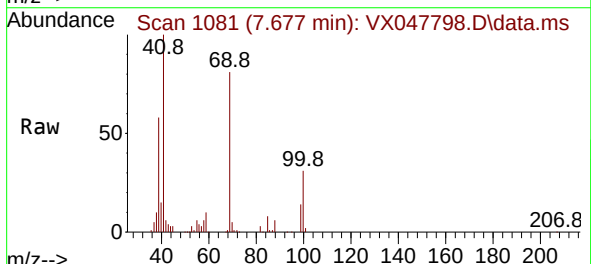
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

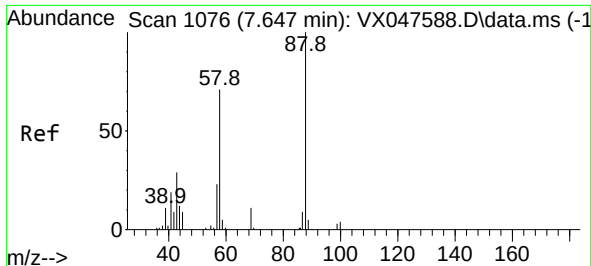
Tgt Ion:	83	Resp:	59888
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.5	78.7
127	8.8	6.9	10.3



#48
Methyl methacrylate
Concen: 19.308 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion:	41	Resp:	44455
Ion	Ratio	Lower	Upper
41	100		
69	78.7	61.4	92.2
39	57.1	45.8	68.6





#49

1,4-Dioxane

Concen: 475.570 ug/l

RT: 7.653 min Scan# 11066

Delta R.T. 0.006 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

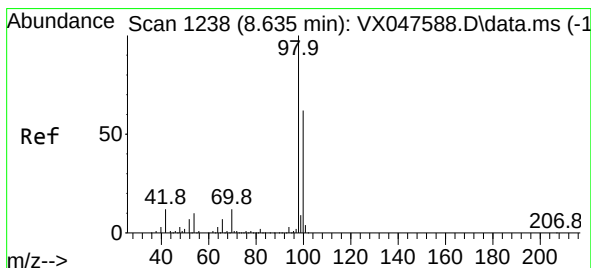
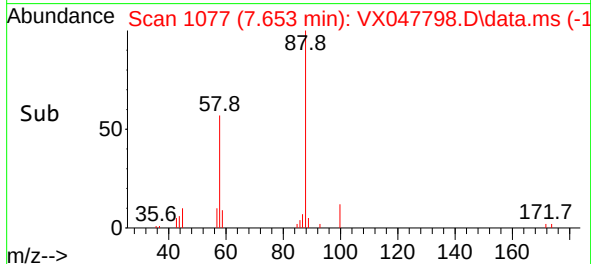
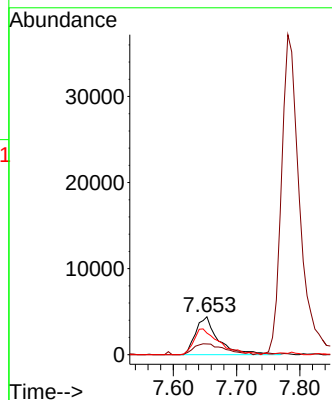
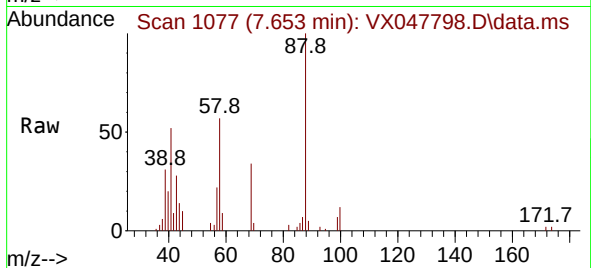
Tgt Ion: 88 Resp: 11066

Ion Ratio Lower Upper

88 100

43 38.8 30.2 45.2

58 75.4 59.5 89.3



#50

Toluene-d8

Concen: 50.167 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047798.D

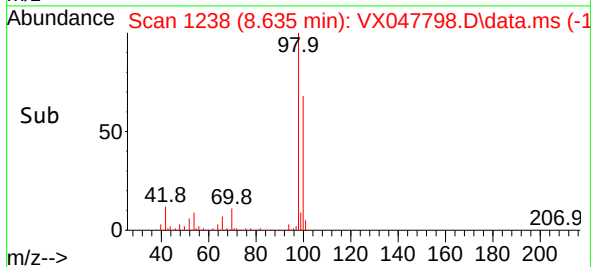
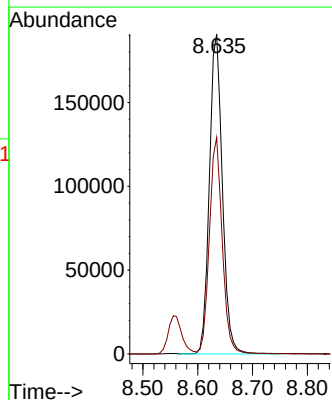
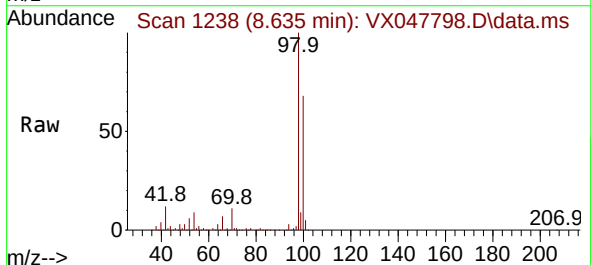
Acq: 25 Sep 2025 10:13

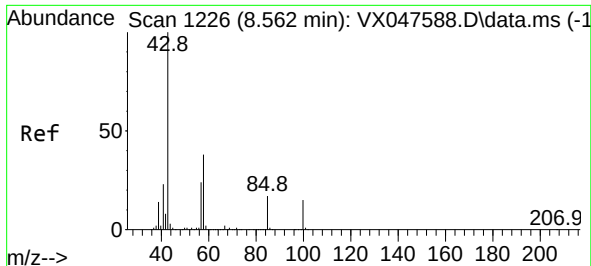
Tgt Ion: 98 Resp: 312702

Ion Ratio Lower Upper

98 100

100 66.7 53.0 79.4

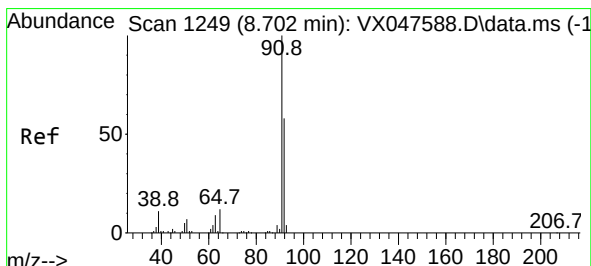
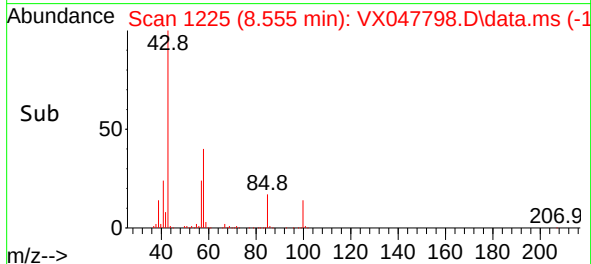
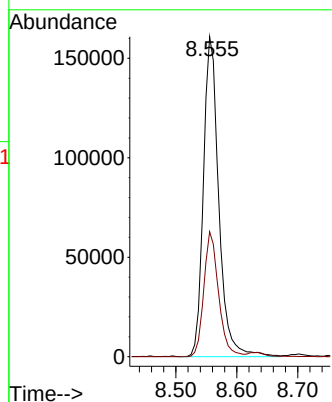
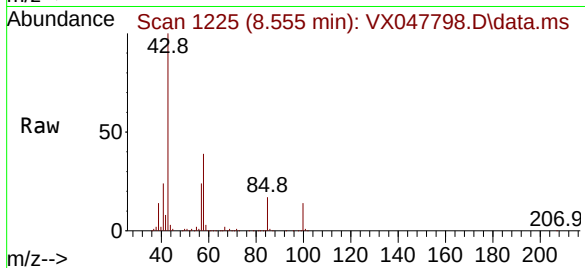




#51
4-Methyl-2-Pentanone
Concen: 110.466 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

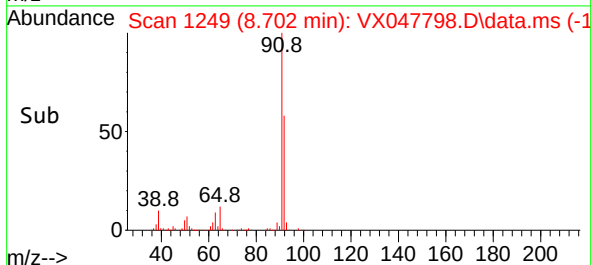
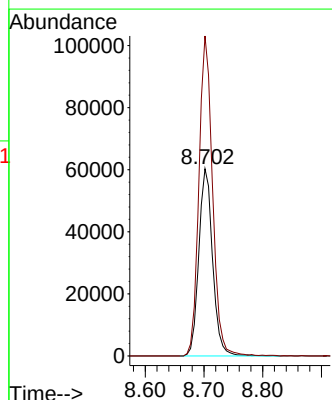
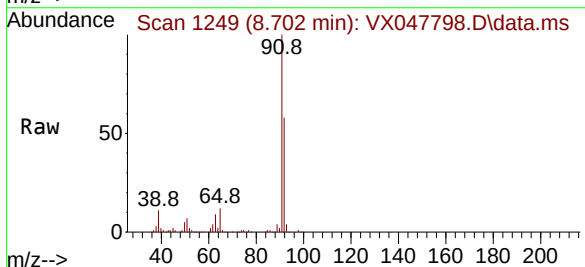
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

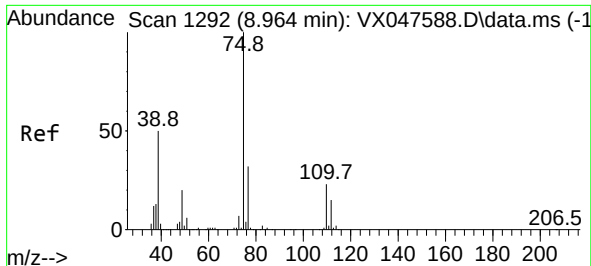
Tgt Ion: 43 Resp: 283110
Ion Ratio Lower Upper
43 100
58 37.3 30.3 45.5



#52
Toluene
Concen: 19.965 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 92 Resp: 98340
Ion Ratio Lower Upper
92 100
91 168.2 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 18.891 ug/l

RT: 8.964 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

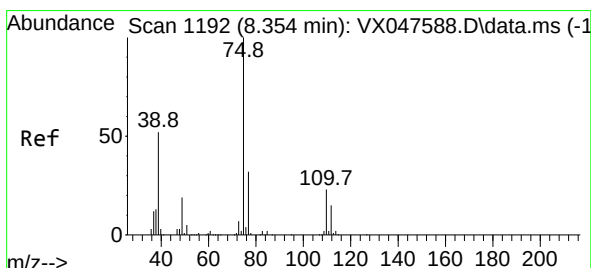
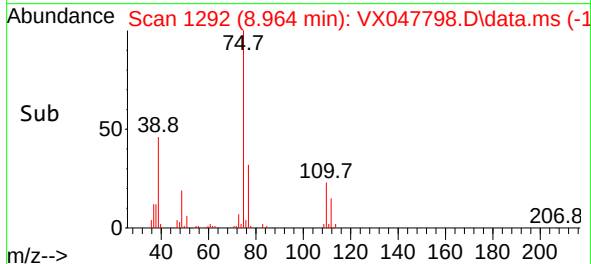
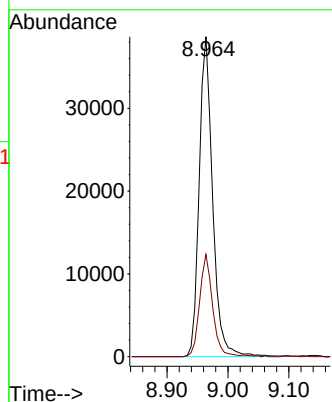
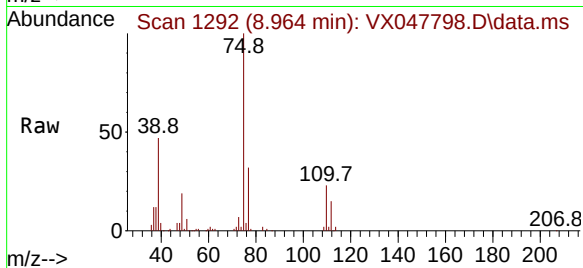
VX0925WBS01

Tgt Ion: 75 Resp: 59236

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.330 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

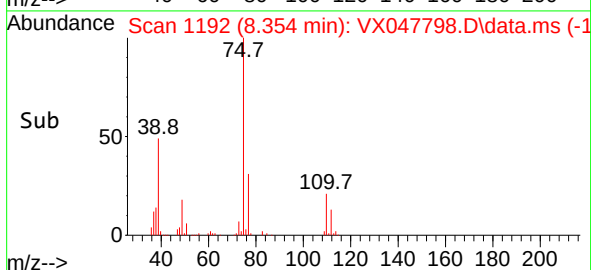
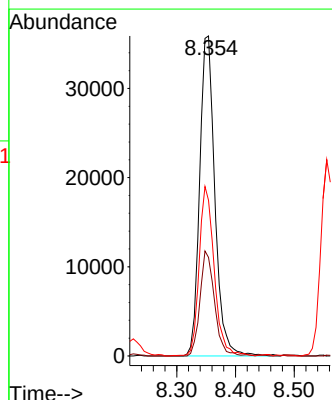
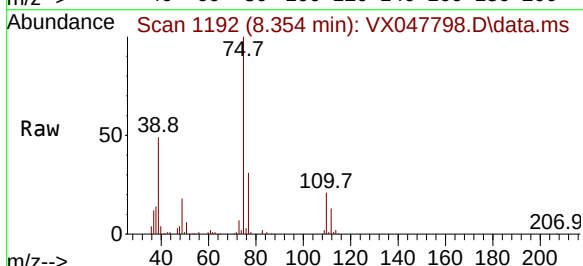
Tgt Ion: 75 Resp: 64785

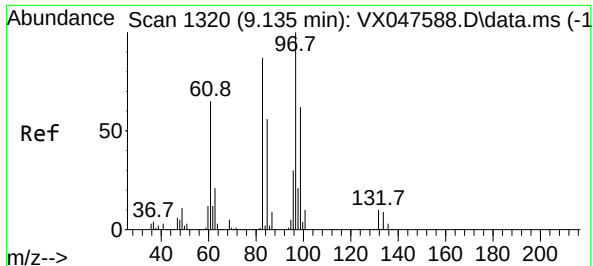
Ion Ratio Lower Upper

75 100

77 30.8 25.8 38.6

39 48.4 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 20.990 ug/l

RT: 9.134 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

Tgt Ion: 97 Resp: 39867

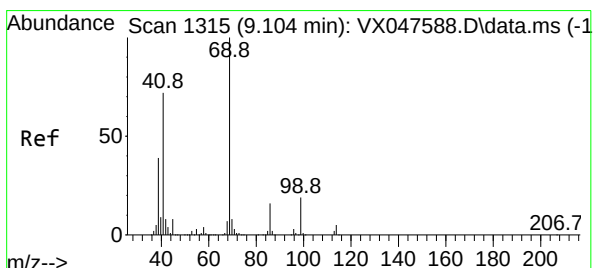
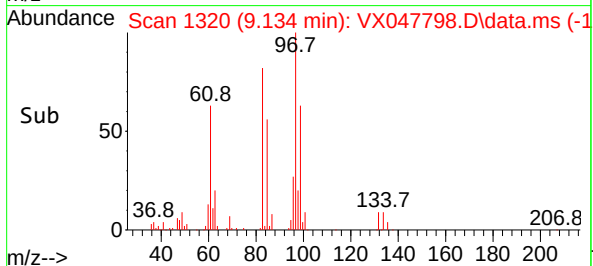
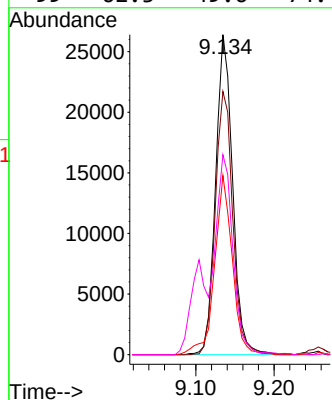
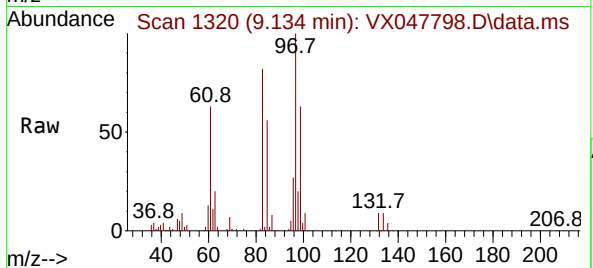
Ion Ratio Lower Upper

97 100

83 82.2 69.6 104.4

85 56.0 45.0 67.6

99 62.3 49.6 74.4



#56

Ethyl methacrylate

Concen: 20.104 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

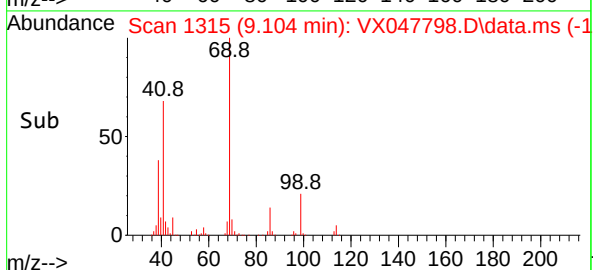
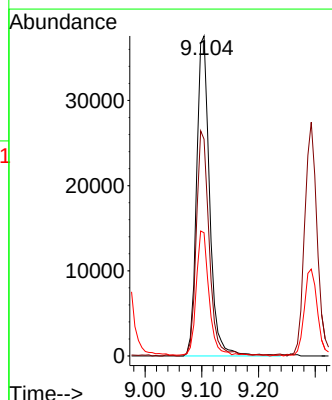
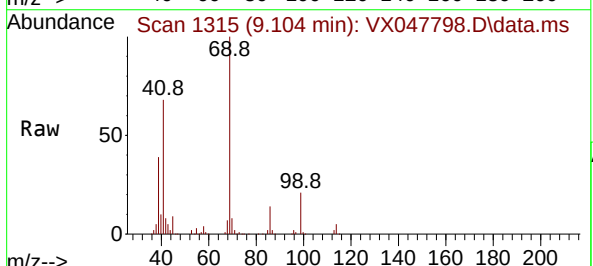
Tgt Ion: 69 Resp: 59966

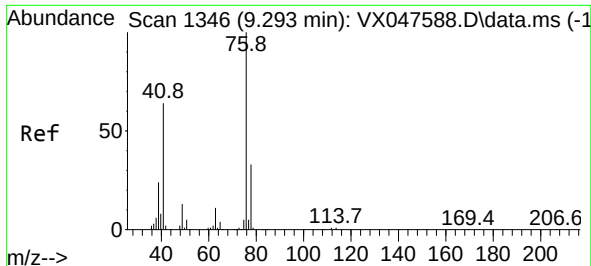
Ion Ratio Lower Upper

69 100

41 69.7 58.6 87.8

39 39.2 31.5 47.3

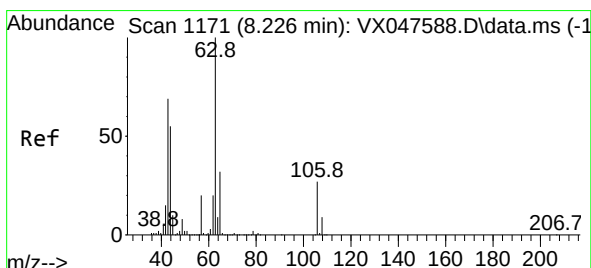
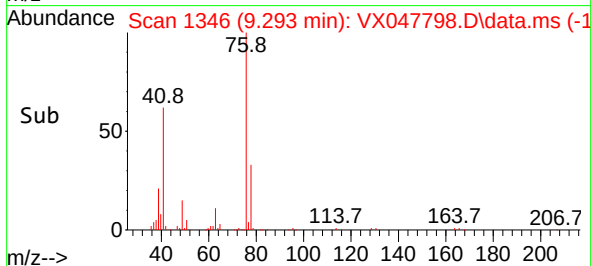
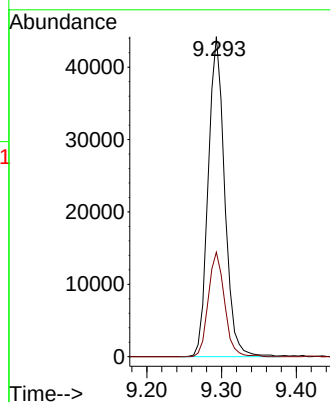
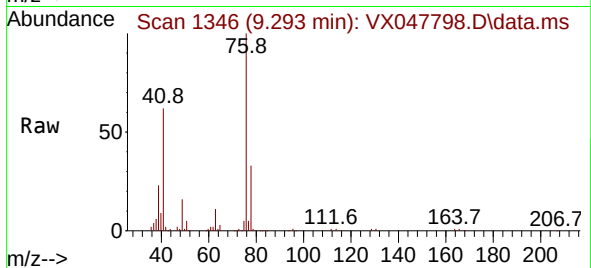




#57
1,3-Dichloropropane
Concen: 20.730 ug/l
RT: 9.293 min Scan# 11346
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

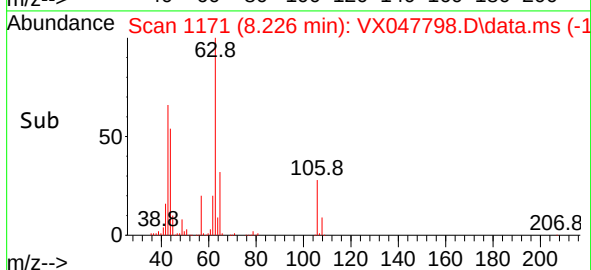
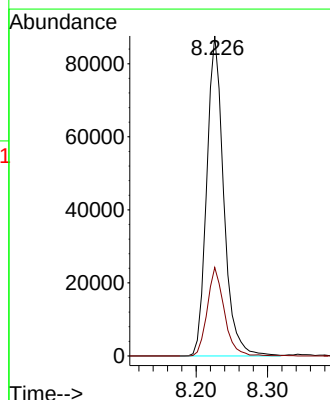
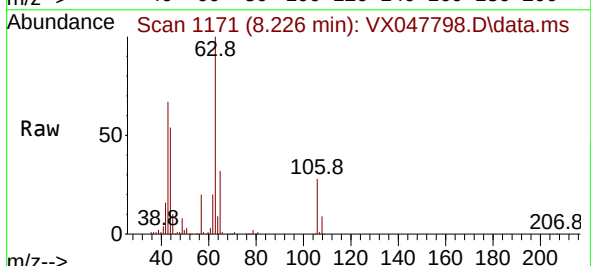
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

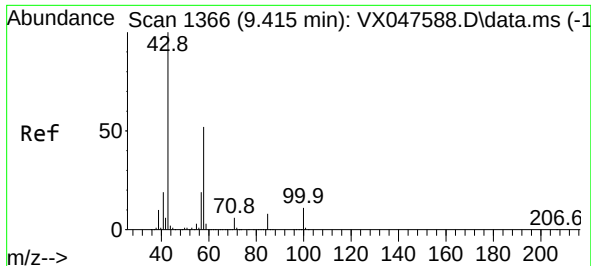
Tgt Ion: 76 Resp: 67634
Ion Ratio Lower Upper
76 100
78 32.2 26.2 39.4



#58
2-Chloroethyl Vinyl ether
Concen: 108.334 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 63 Resp: 144584
Ion Ratio Lower Upper
63 100
106 27.7 21.9 32.9





#59

2-Hexanone

Concen: 107.038 ug/l

RT: 9.415 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

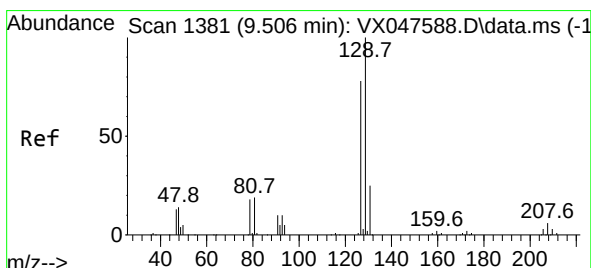
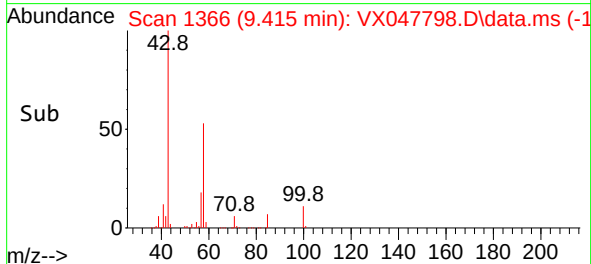
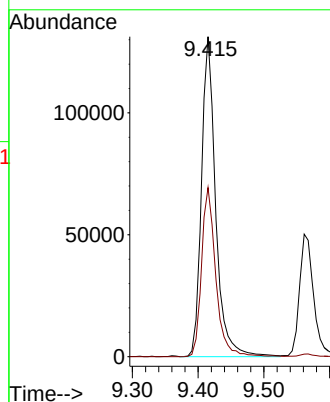
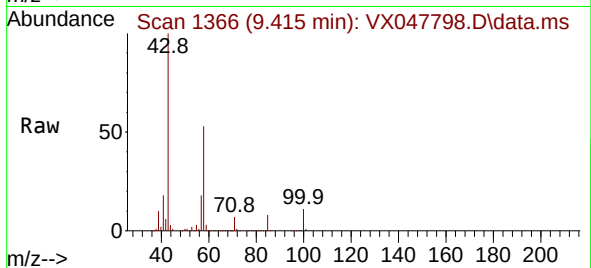
VX0925WBS01

Tgt Ion: 43 Resp: 197021

Ion Ratio Lower Upper

43 100

58 52.9 26.1 78.2



#60

Dibromochloromethane

Concen: 20.506 ug/l

RT: 9.506 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VX047798.D

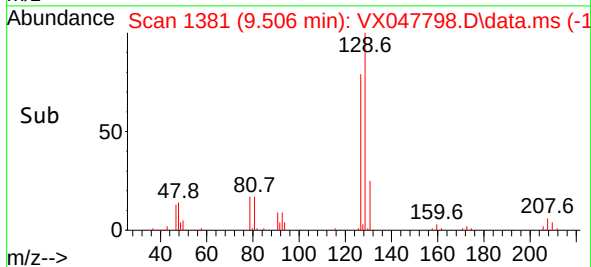
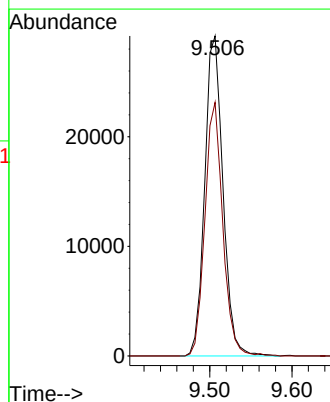
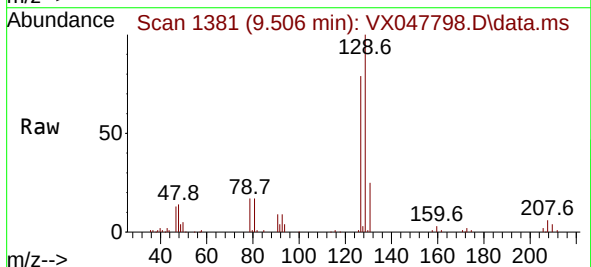
Acq: 25 Sep 2025 10:13

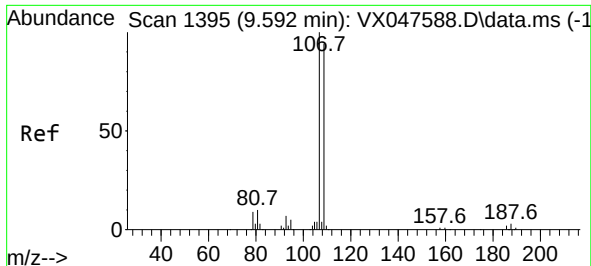
Tgt Ion: 129 Resp: 44875

Ion Ratio Lower Upper

129 100

127 77.9 38.4 115.2

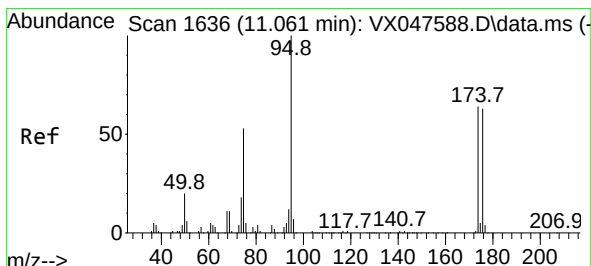
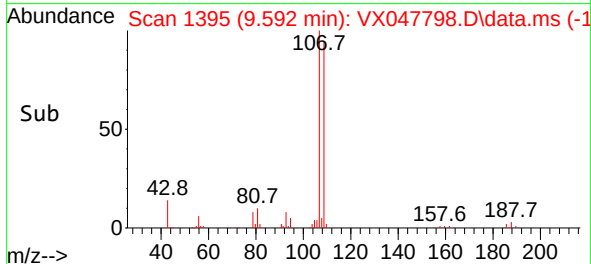
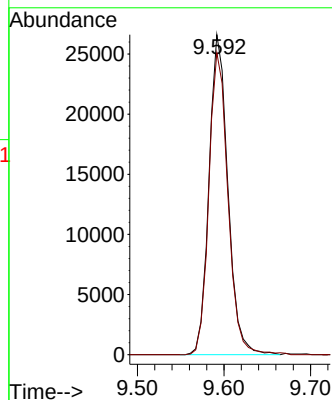
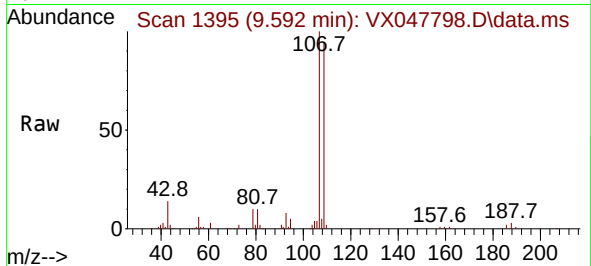




#61
1,2-Dibromoethane
Concen: 20.839 ug/l
RT: 9.592 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

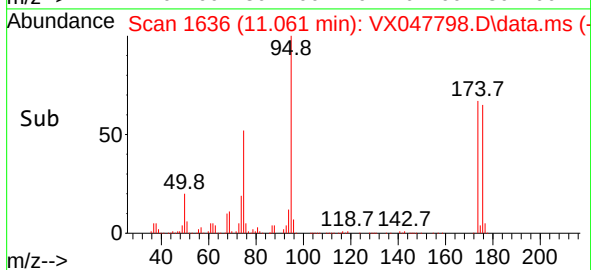
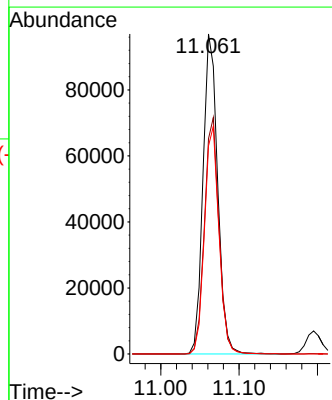
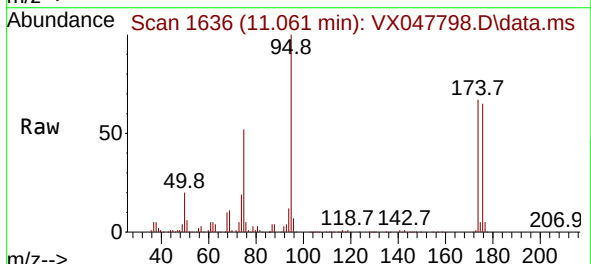
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

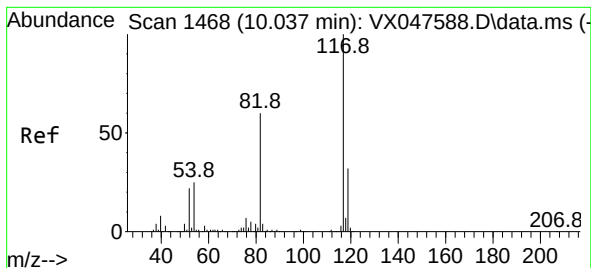
Tgt Ion:107 Resp: 40314
Ion Ratio Lower Upper
107 100
109 95.4 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 53.101 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 95 Resp: 125617
Ion Ratio Lower Upper
95 100
174 73.6 0.0 141.6
176 70.5 0.0 138.4

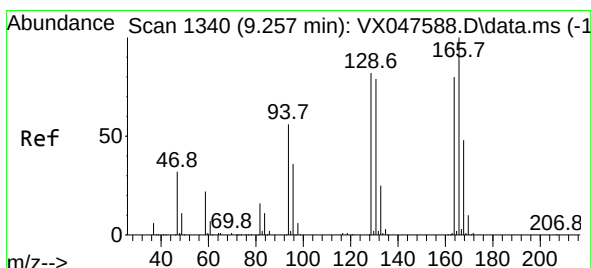
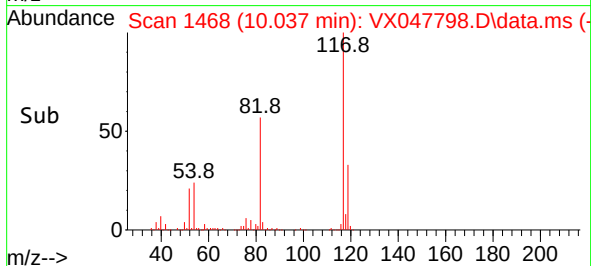
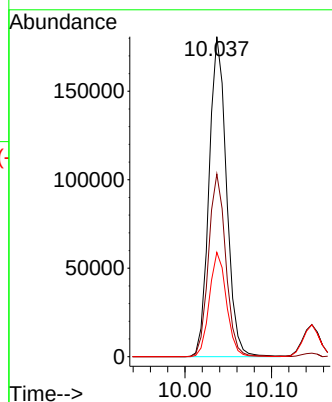
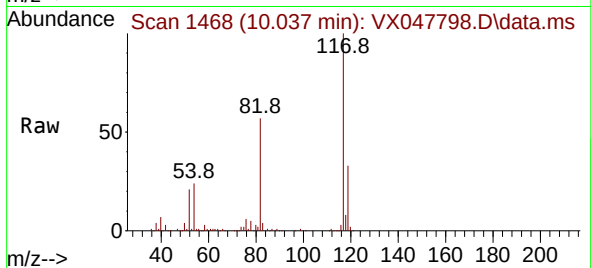




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

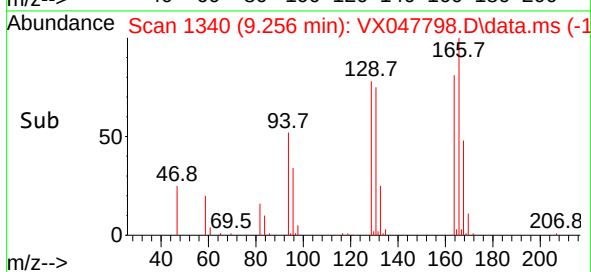
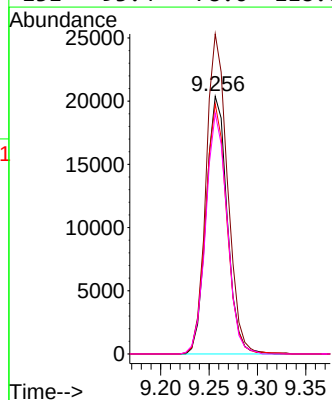
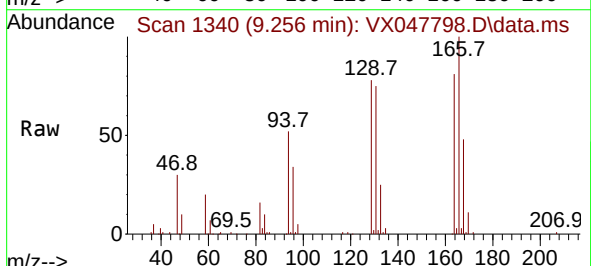
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

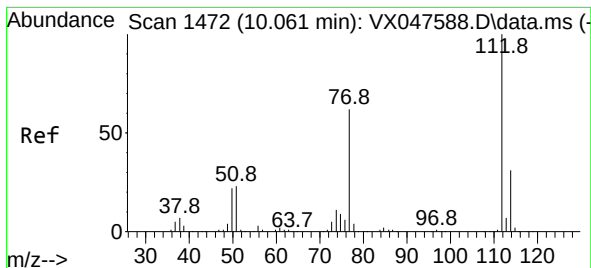
Tgt Ion:	117	Resp:	252515
Ion	Ratio	Lower	Upper
117	100		
82	57.1	47.8	71.6
119	32.6	25.2	37.8



#64
Tetrachloroethene
Concen: 18.700 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion:	164	Resp:	30782
Ion	Ratio	Lower	Upper
164	100		
166	124.2	100.2	150.2
129	97.1	81.8	122.6
131	93.4	78.6	118.0

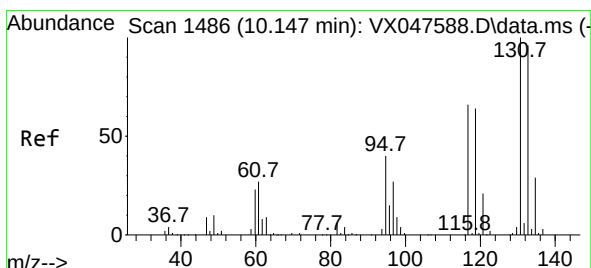
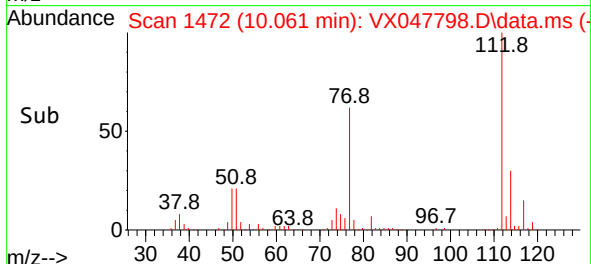
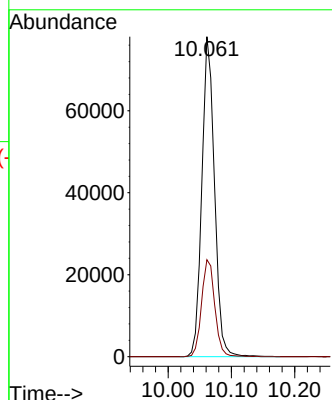
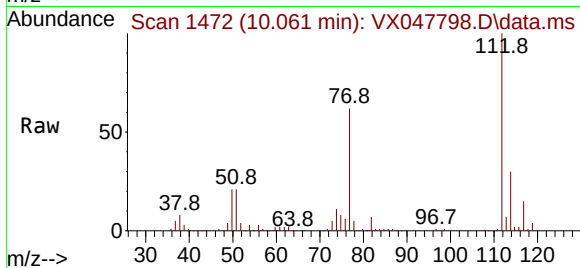




#65
Chlorobenzene
Concen: 18.961 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

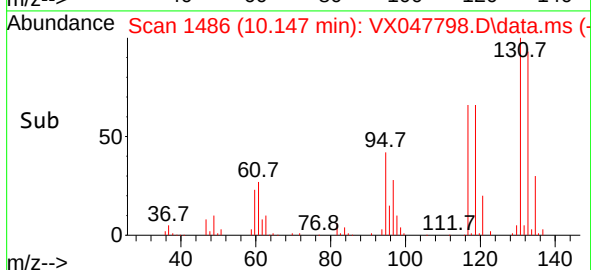
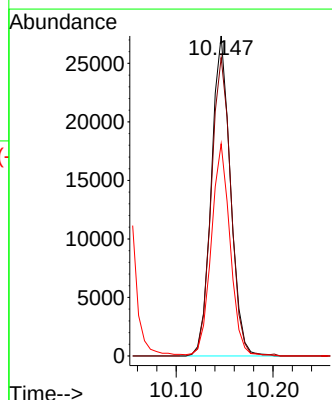
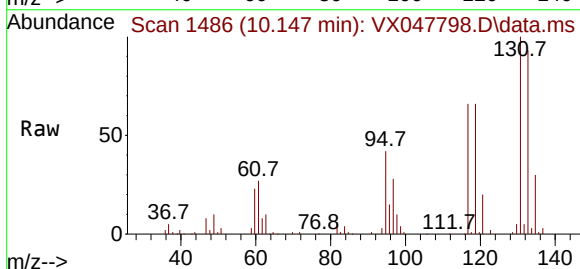
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

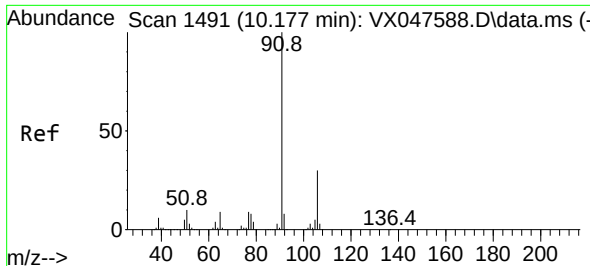
Tgt Ion:112 Resp: 108771
Ion Ratio Lower Upper
112 100
114 30.3 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 18.953 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion:131 Resp: 37519
Ion Ratio Lower Upper
131 100
133 95.7 47.3 142.0
119 65.3 32.0 96.0





#67

Ethyl Benzene

Concen: 18.084 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

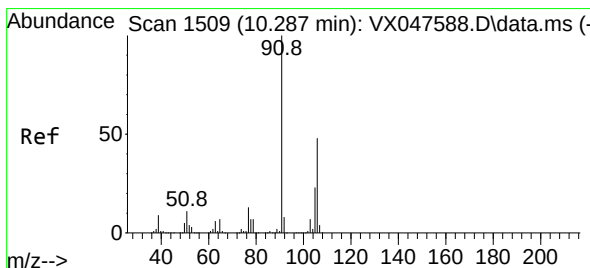
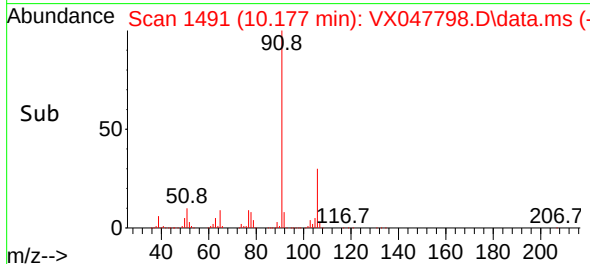
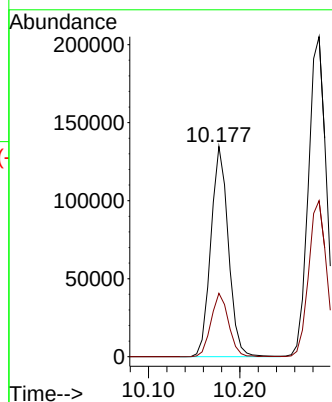
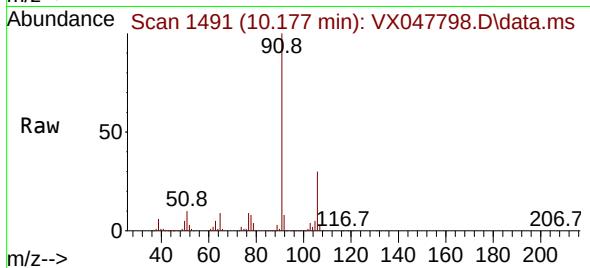
VX0925WBS01

Tgt Ion: 91 Resp: 178998

Ion Ratio Lower Upper

91 100

106 30.1 24.3 36.5



#68

m/p-Xylenes

Concen: 37.567 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX047798.D

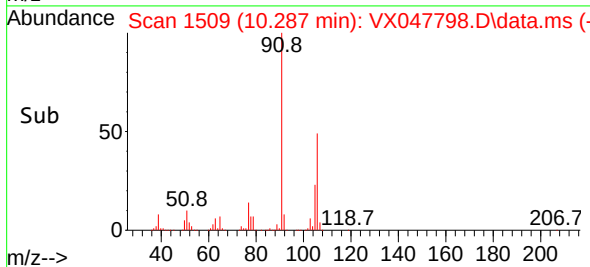
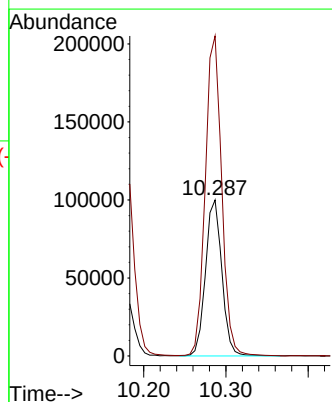
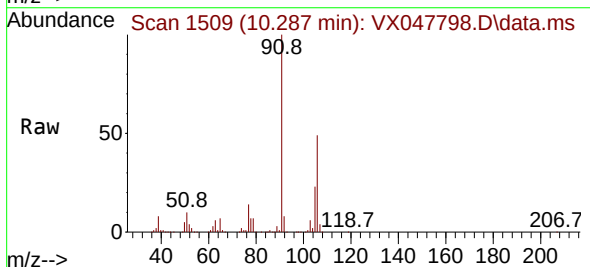
Acq: 25 Sep 2025 10:13

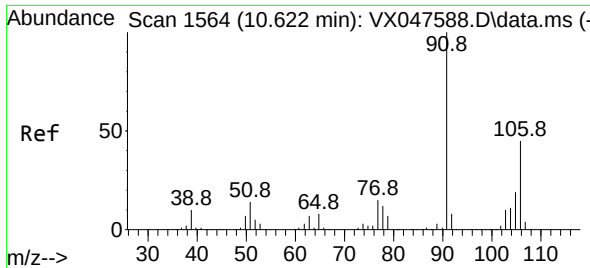
Tgt Ion: 106 Resp: 138405

Ion Ratio Lower Upper

106 100

91 205.9 167.8 251.8

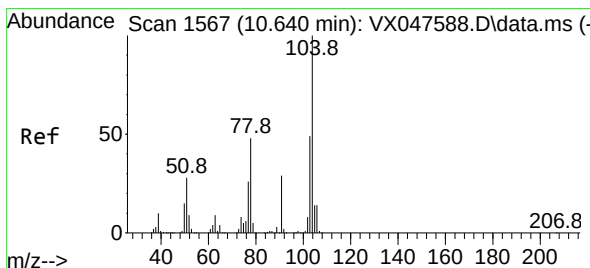
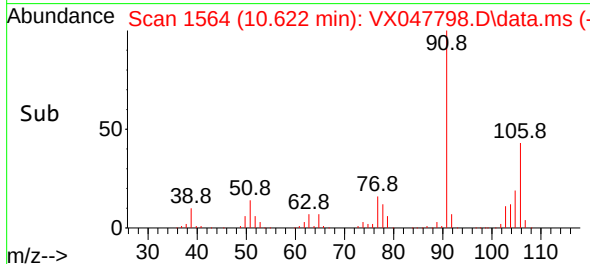
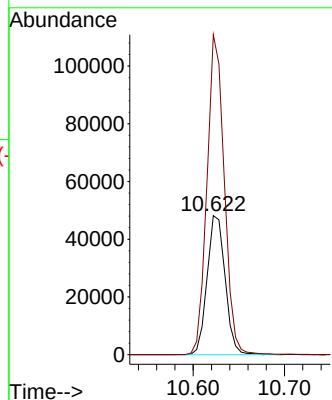
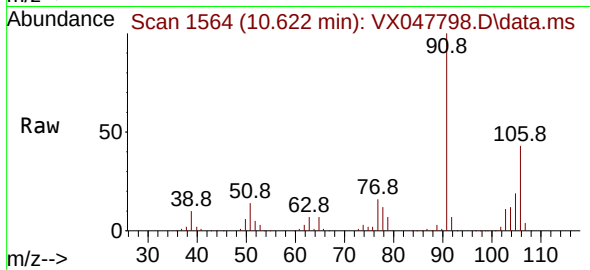




#69
o-Xylene
Concen: 18.496 ug/l
RT: 10.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

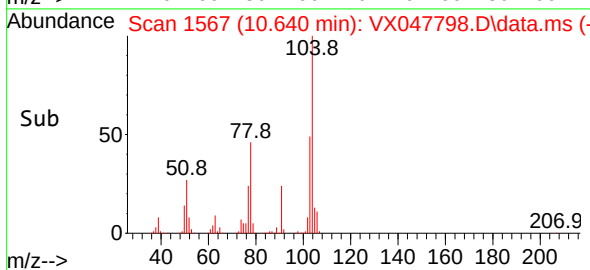
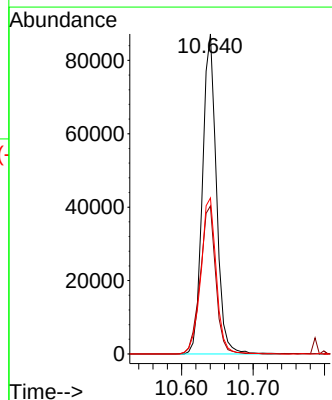
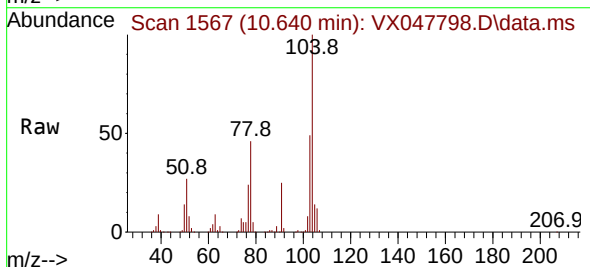
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

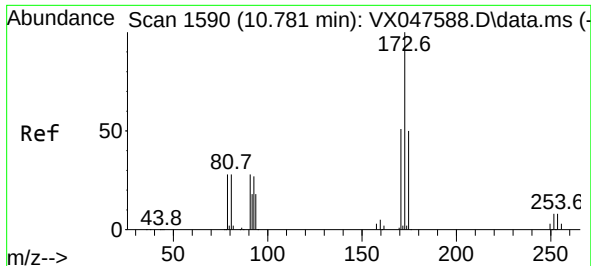
Tgt Ion:106 Resp: 65909
Ion Ratio Lower Upper
106 100
91 221.7 111.1 333.4



#70
Styrene
Concen: 18.926 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion:104 Resp: 118170
Ion Ratio Lower Upper
104 100
78 51.5 43.1 64.7
103 53.7 43.1 64.7

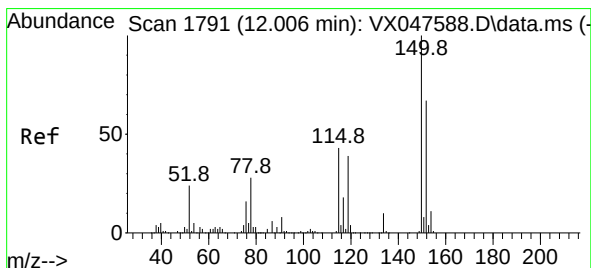
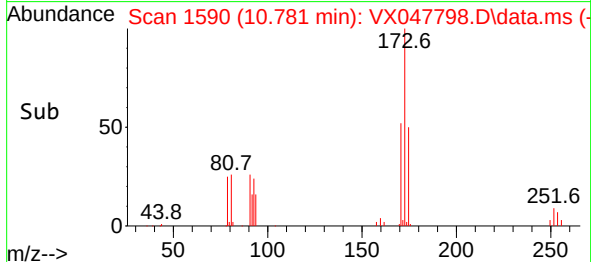
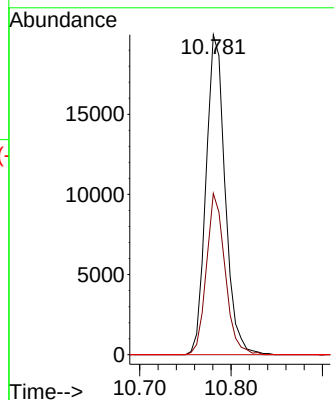
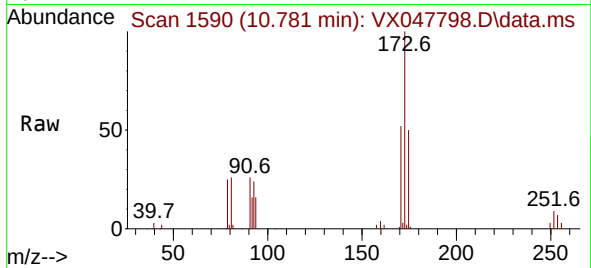




#71
Bromoform
Concen: 19.553 ug/l
RT: 10.781 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

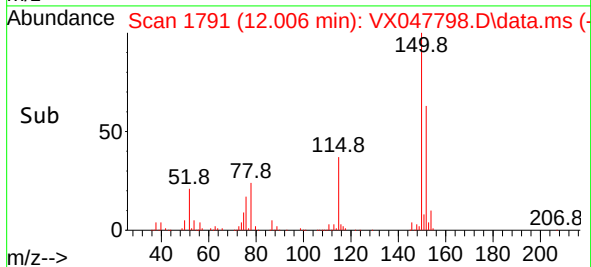
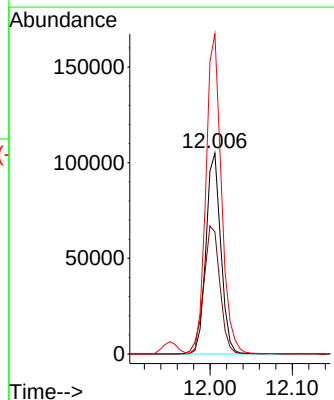
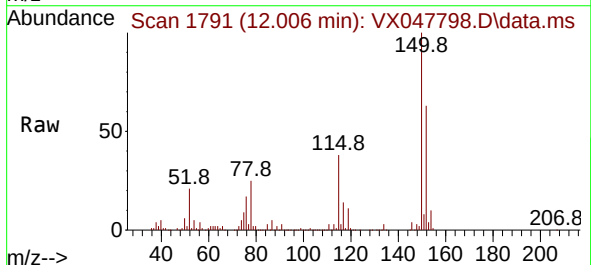
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

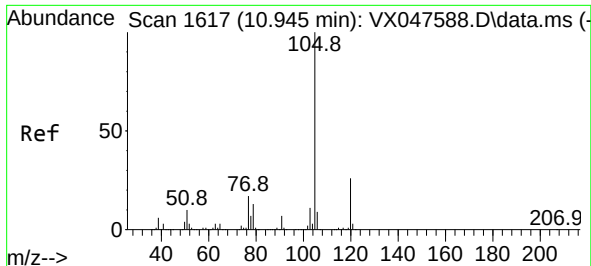
Tgt Ion:173 Resp: 28902
Ion Ratio Lower Upper
173 100
175 49.3 24.9 74.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion:152 Resp: 131521
Ion Ratio Lower Upper
152 100
115 70.2 44.9 134.5
150 165.9 0.0 352.0

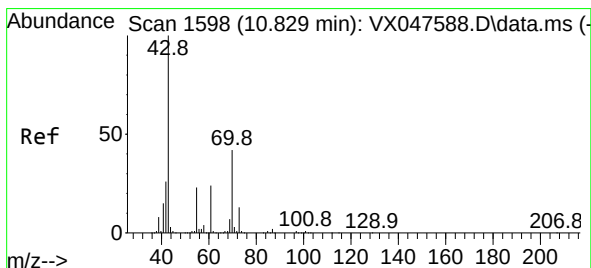
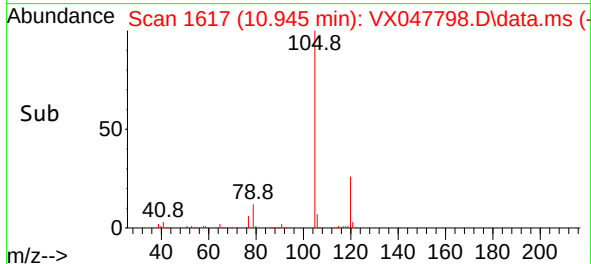
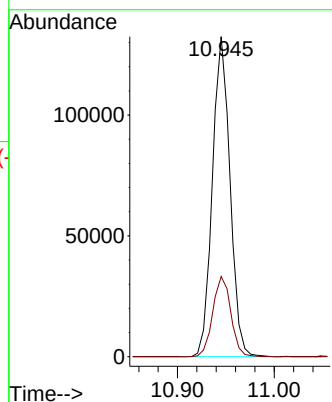
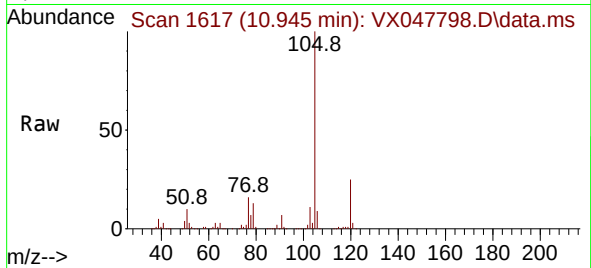




#73
Isopropylbenzene
Concen: 16.760 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

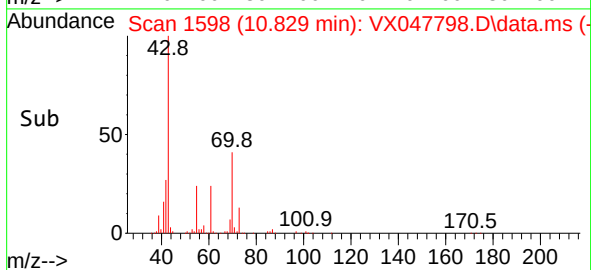
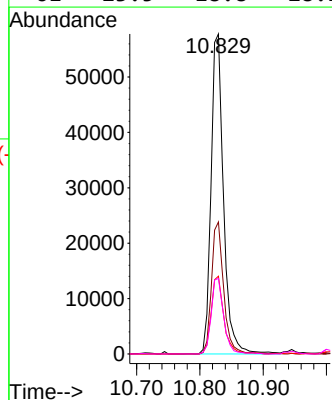
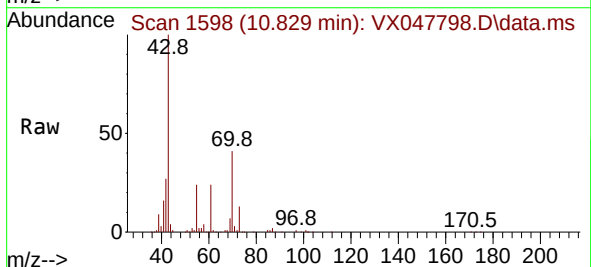
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

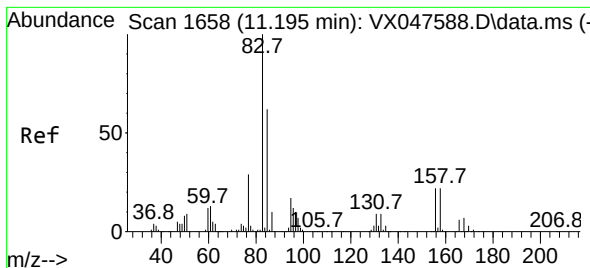
Tgt Ion:105 Resp: 167580
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.4



#74
N-ethyl acetate
Concen: 17.416 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 43 Resp: 79411
Ion Ratio Lower Upper
43 100
70 40.4 32.0 48.0
55 24.5 18.9 28.3
61 23.5 18.8 28.2

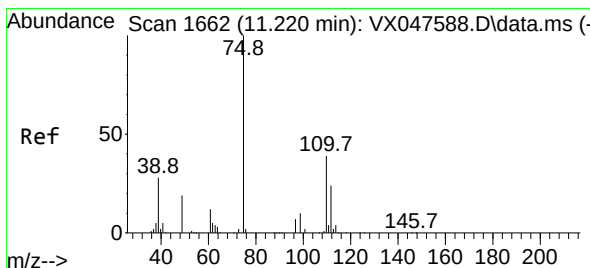
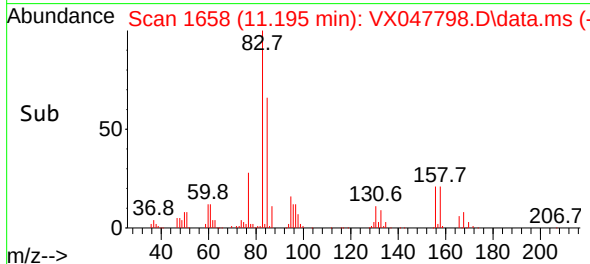
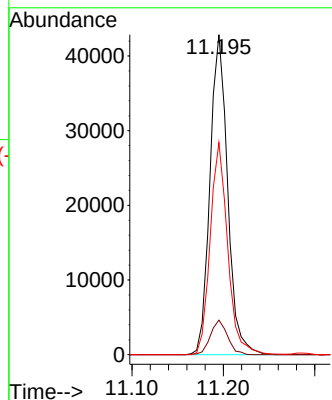
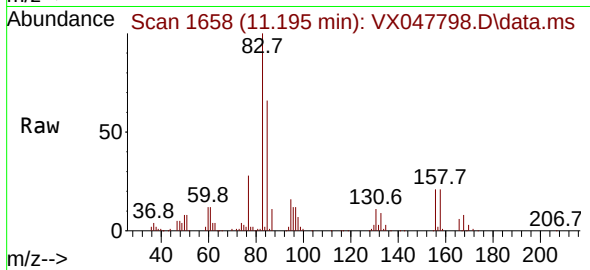




#75
1,1,2,2-Tetrachloroethane
Concen: 18.935 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

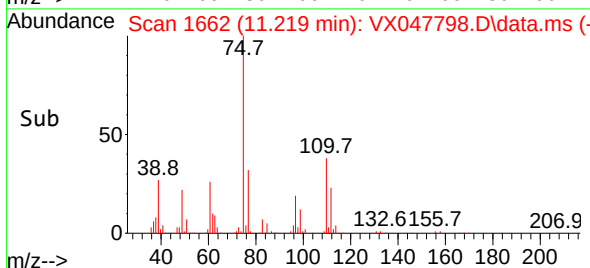
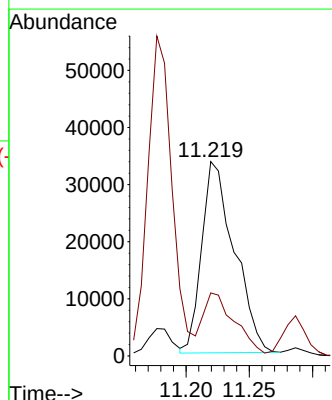
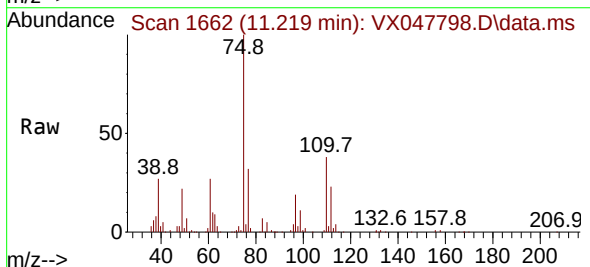
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

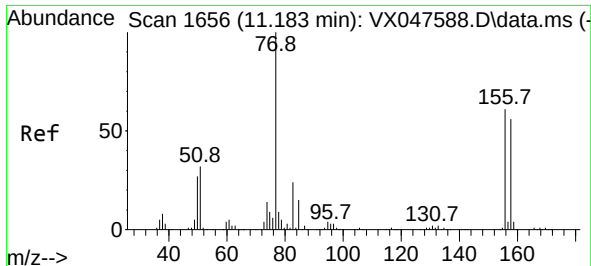
Tgt Ion: 83 Resp: 57282
Ion Ratio Lower Upper
83 100
131 10.5 5.0 14.9
85 65.8 31.6 95.0



#76
1,2,3-Trichloropropane
Concen: 22.598 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 75 Resp: 60177
Ion Ratio Lower Upper
75 100
77 31.6 18.8 56.4

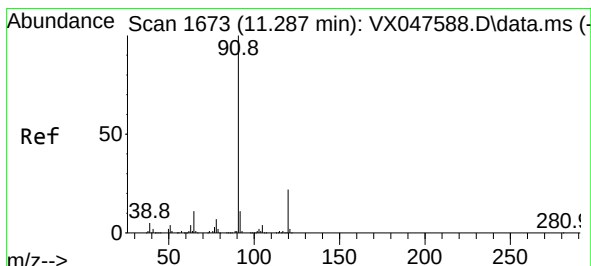
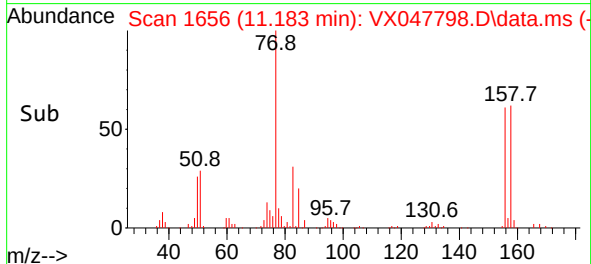
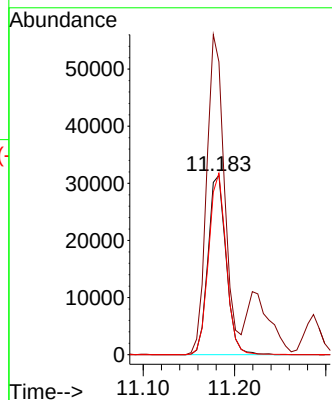
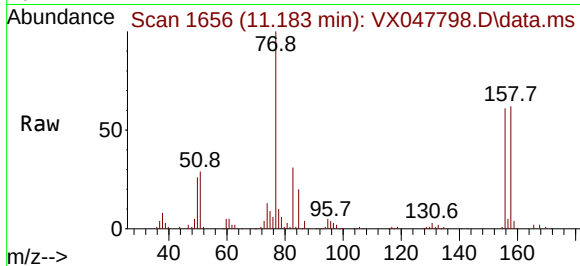




#77
Bromobenzene
Concen: 17.518 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

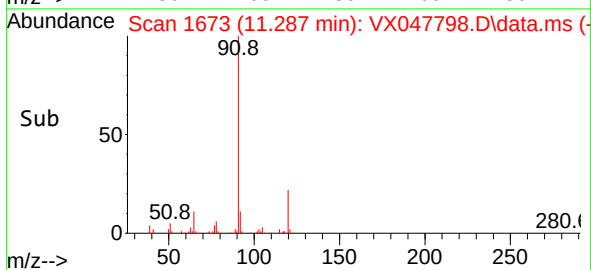
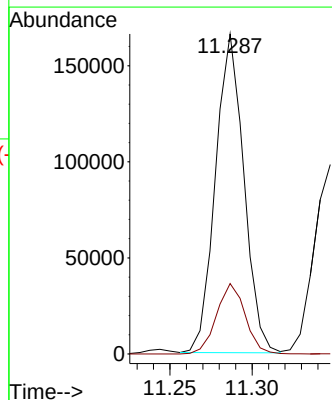
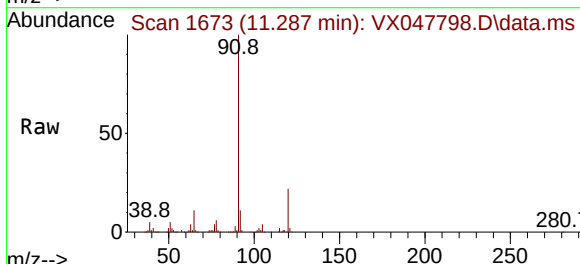
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

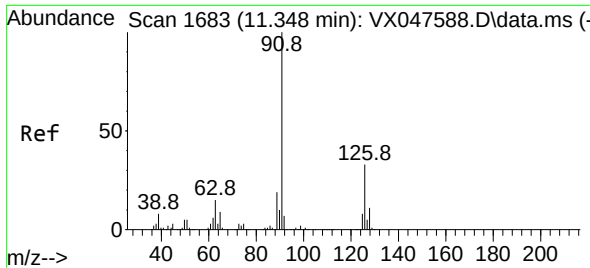
Tgt Ion:156 Resp: 43141
Ion Ratio Lower Upper
156 100
77 175.8 89.7 269.1
158 98.5 47.9 143.6



#78
n-propylbenzene
Concen: 16.848 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 91 Resp: 199146
Ion Ratio Lower Upper
91 100
120 22.3 11.1 33.1

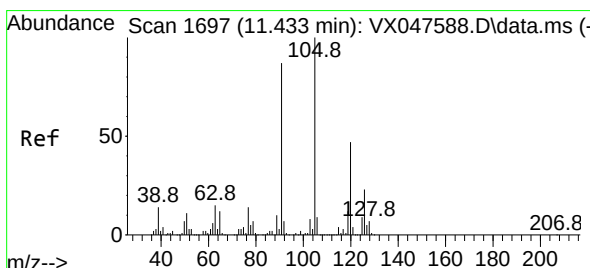
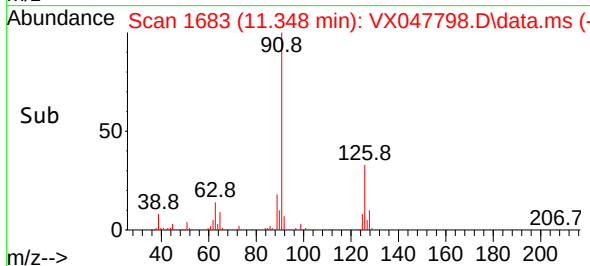
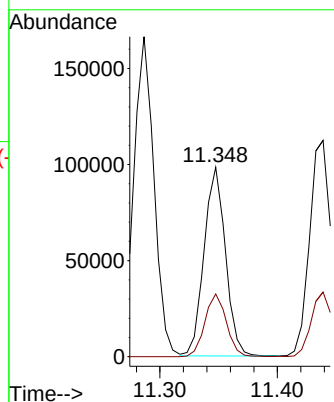
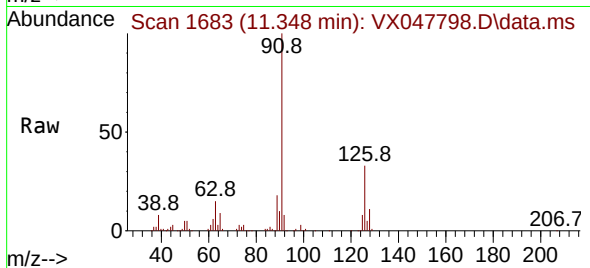




#79
2-Chlorotoluene
Concen: 17.163 ug/l
RT: 11.348 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

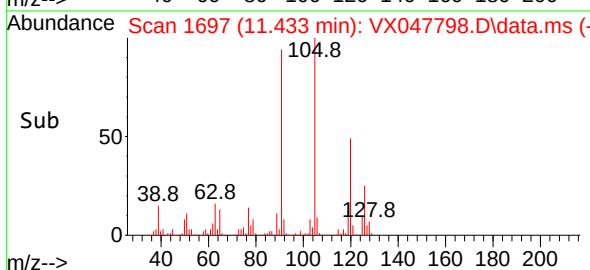
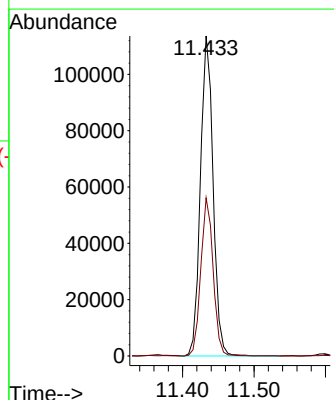
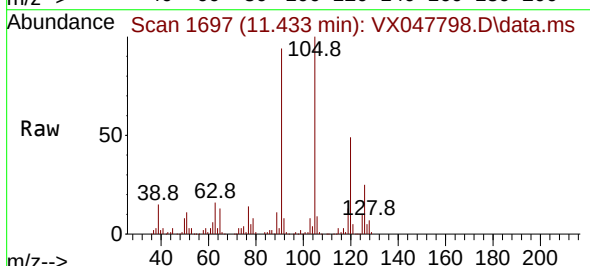
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

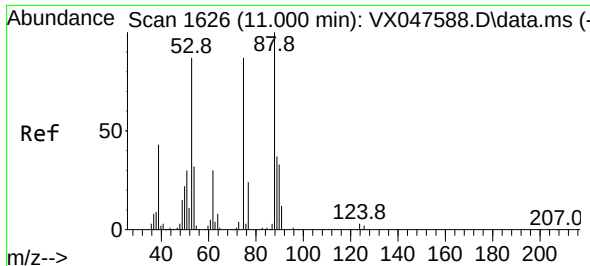
Tgt Ion: 91 Resp: 124253
Ion Ratio Lower Upper
91 100
126 33.5 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 16.963 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 105 Resp: 139354
Ion Ratio Lower Upper
105 100
120 48.2 23.6 70.8

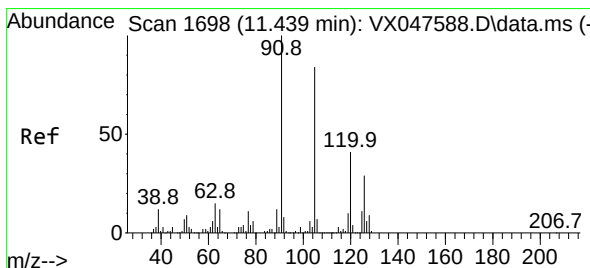
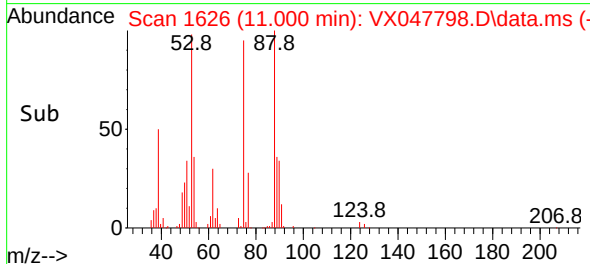
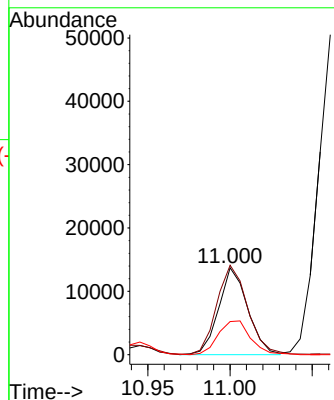
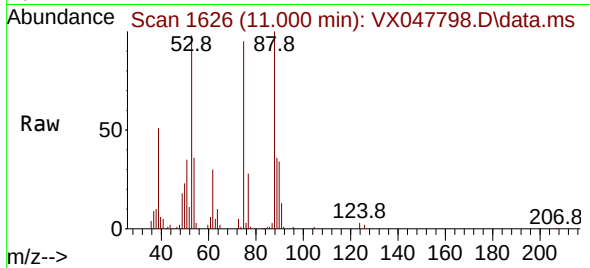




#81
trans-1,4-Dichloro-2-butene
Concen: 16.095 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

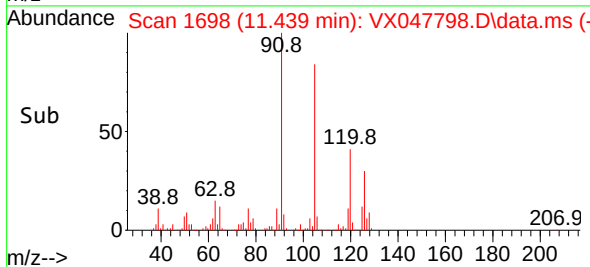
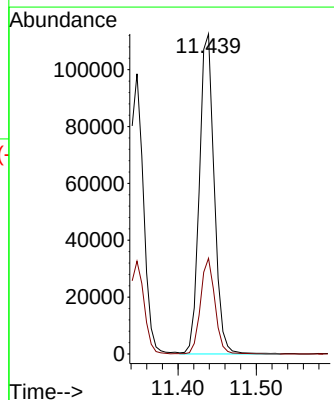
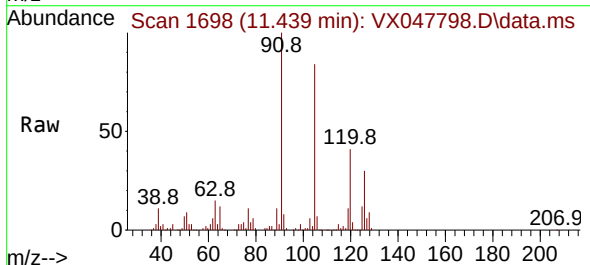
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

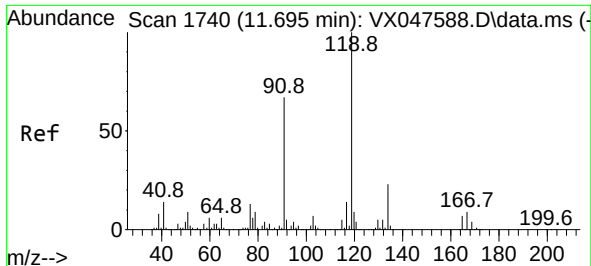
Tgt Ion: 75 Resp: 16807
Ion Ratio Lower Upper
75 100
53 110.2 83.4 125.2
89 43.5 36.3 54.5



#82
4-Chlorotoluene
Concen: 17.346 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion: 91 Resp: 148311
Ion Ratio Lower Upper
91 100
126 29.0 14.2 42.6

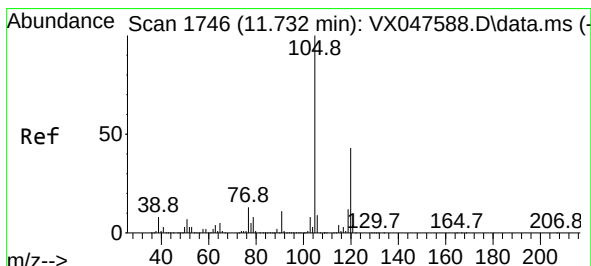
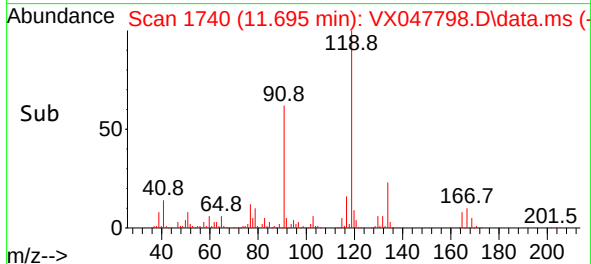
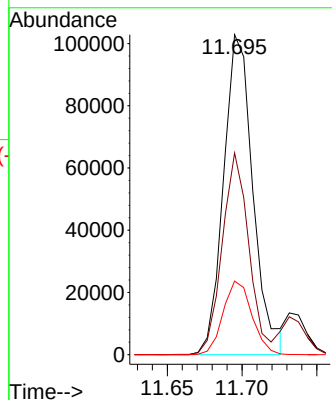
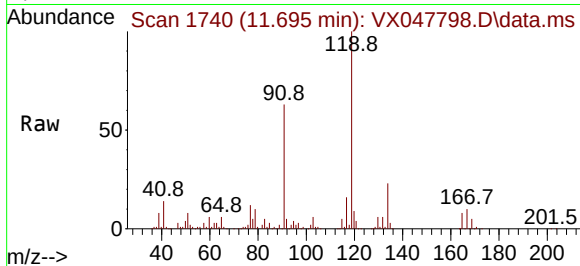




#83
tert-Butylbenzene
Concen: 16.747 ug/l
RT: 11.695 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

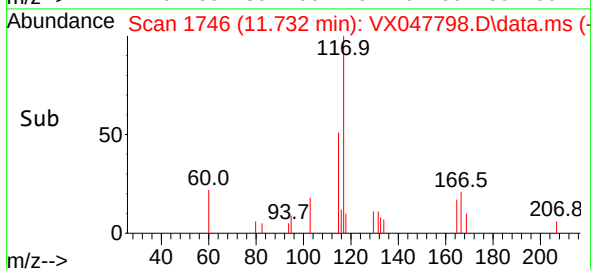
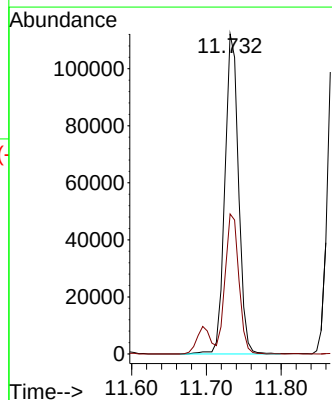
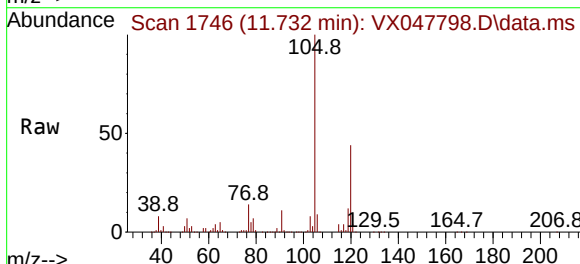
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

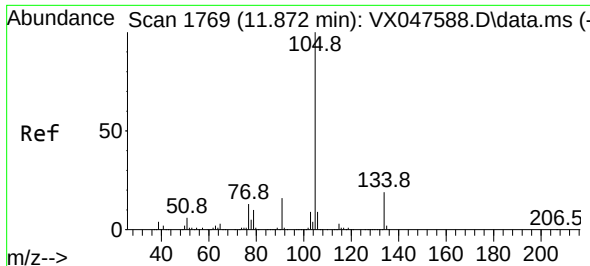
Tgt Ion:119 Resp: 140839
Ion Ratio Lower Upper
119 100
91 57.0 29.6 88.8
134 22.6 11.0 33.0



#84
1,2,4-Trimethylbenzene
Concen: 17.128 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion:105 Resp: 142656
Ion Ratio Lower Upper
105 100
120 43.8 22.1 66.1

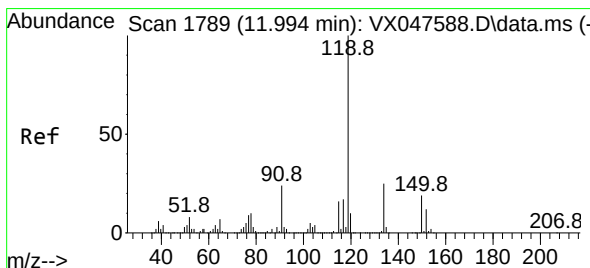
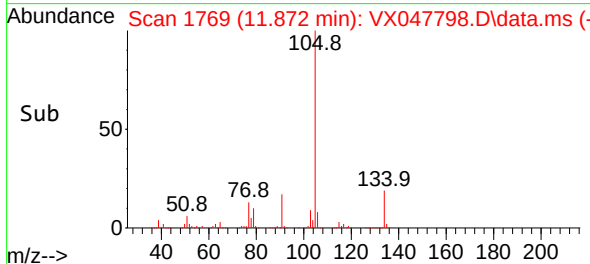
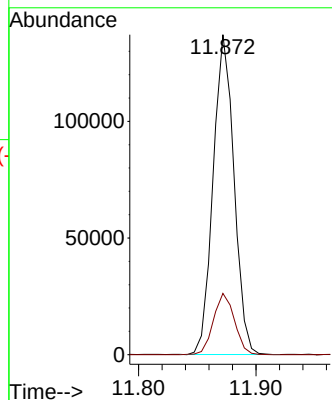
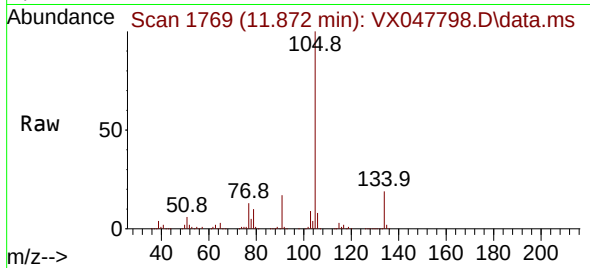




#85
 sec-Butylbenzene
 Concen: 16.912 ug/l
 RT: 11.872 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: VX047798.D
 Acq: 25 Sep 2025 10:13

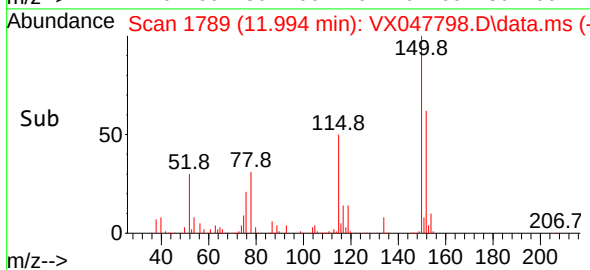
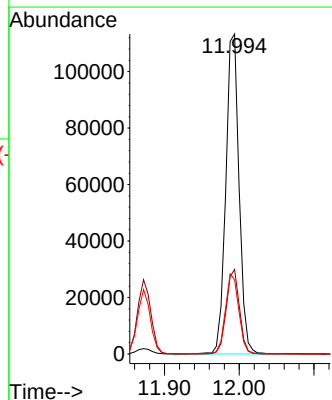
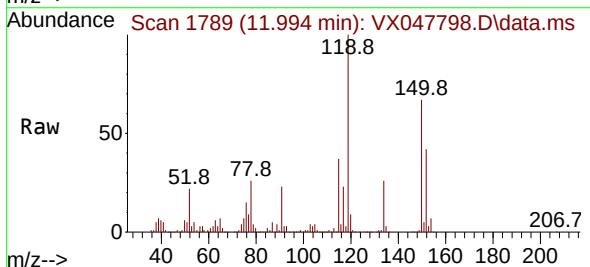
Instrument :
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 ClientSampleId :
 VX0925WBS01

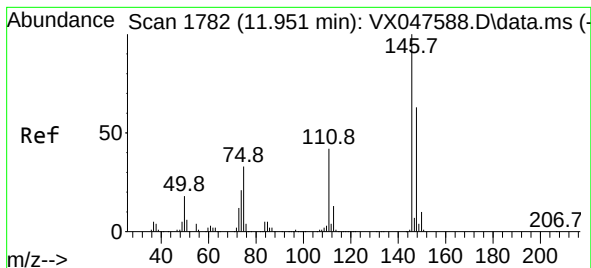
Tgt Ion:105 Resp: 168936
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 16.635 ug/l
 RT: 11.994 min Scan# 1789
 Delta R.T. -0.000 min
 Lab File: VX047798.D
 Acq: 25 Sep 2025 10:13

Tgt Ion:119 Resp: 140679
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.6 37.8
 91 25.2 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 17.485 ug/l

RT: 11.951 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

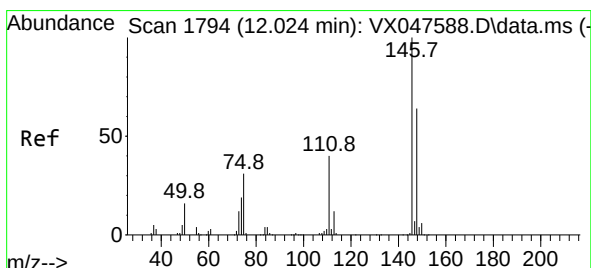
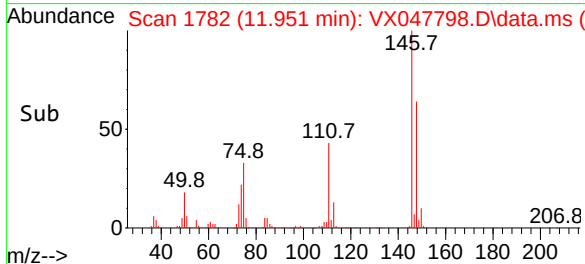
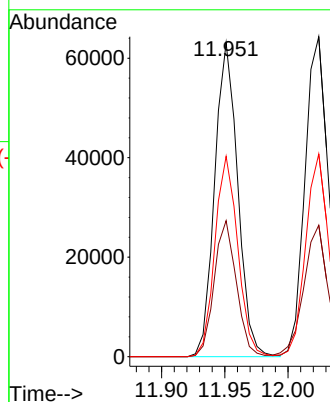
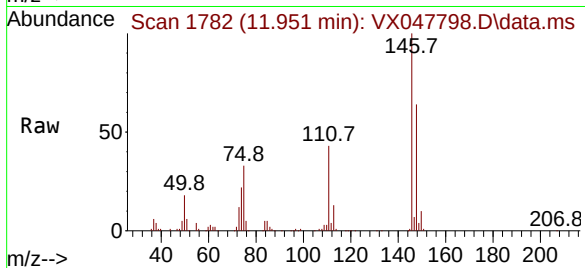
Tgt Ion:146 Resp: 79979

Ion Ratio Lower Upper

146 100

111 41.7 21.5 64.5

148 63.4 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 17.757 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

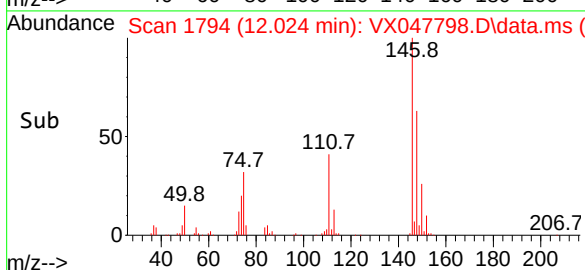
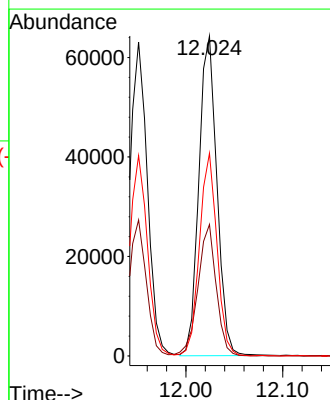
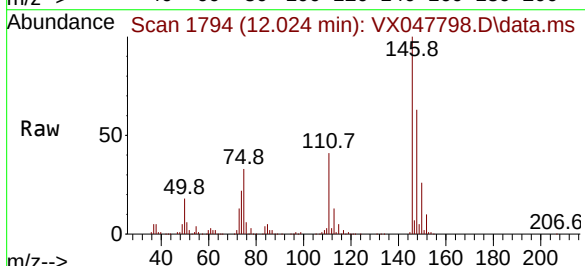
Tgt Ion:146 Resp: 83367

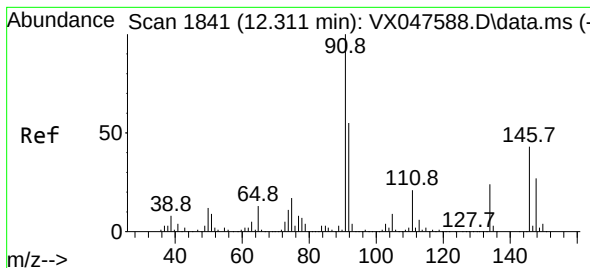
Ion Ratio Lower Upper

146 100

111 41.9 20.8 62.4

148 62.0 31.7 95.1





#89

n-Butylbenzene

Concen: 16.604 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

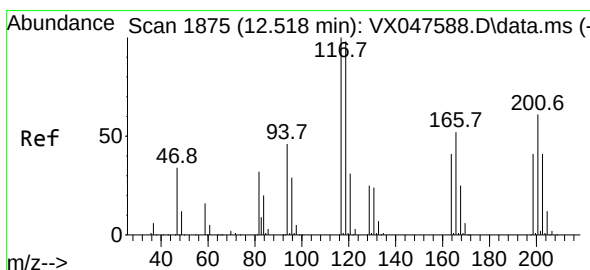
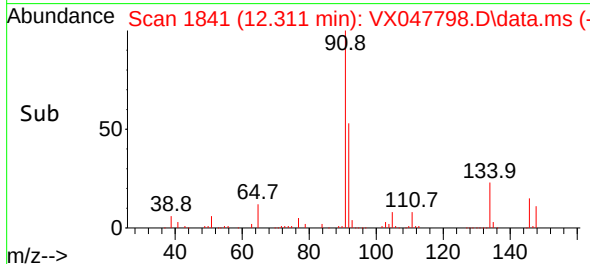
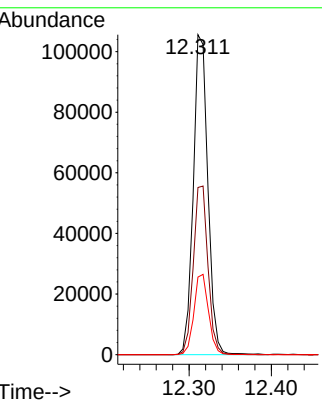
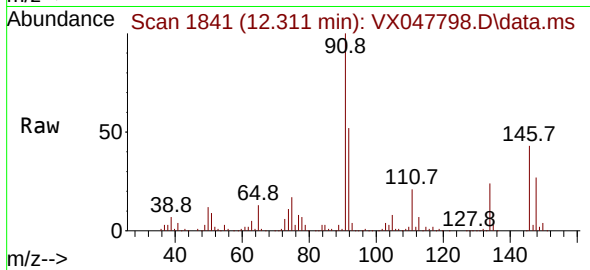
Tgt Ion: 91 Resp: 129927

Ion Ratio Lower Upper

91 100

92 53.1 27.6 82.7

134 25.1 12.6 37.8



#90

Hexachloroethane

Concen: 16.057 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX047798.D

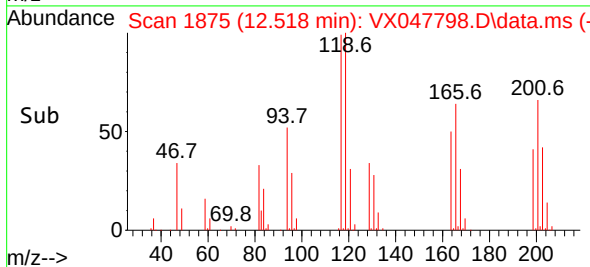
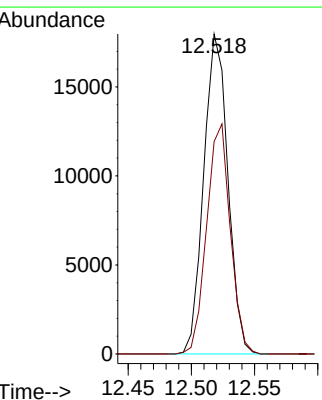
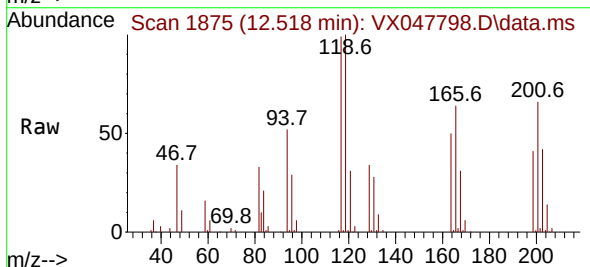
Acq: 25 Sep 2025 10:13

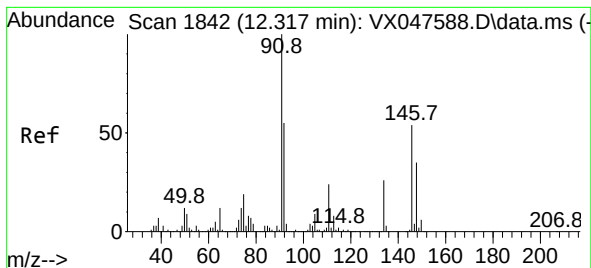
Tgt Ion: 117 Resp: 23841

Ion Ratio Lower Upper

117 100

201 70.4 34.2 102.5





#91

1,2-Dichlorobenzene

Concen: 17.765 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

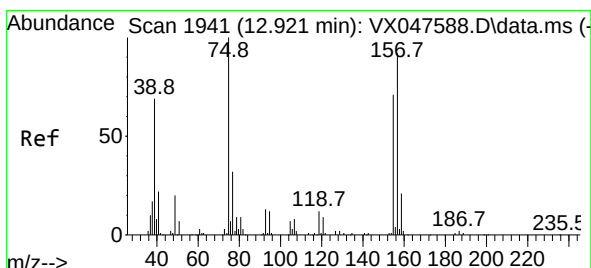
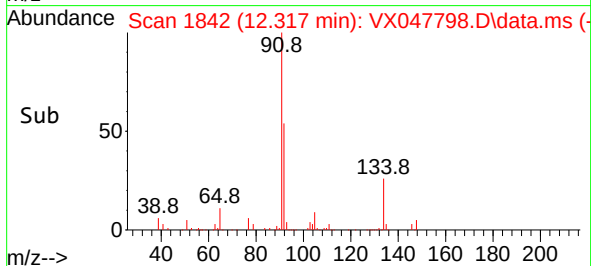
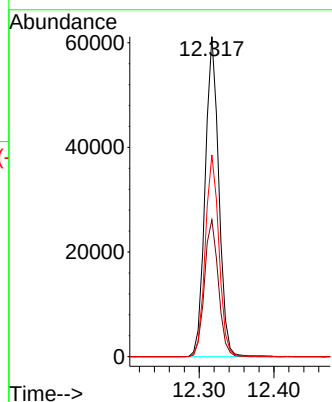
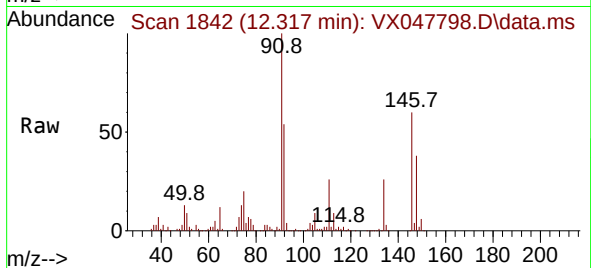
Tgt Ion:146 Resp: 77419

Ion Ratio Lower Upper

146 100

111 43.6 22.2 66.6

148 63.0 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.625 ug/l

RT: 12.920 min Scan# 1941

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

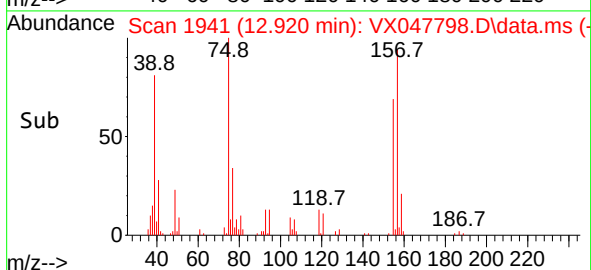
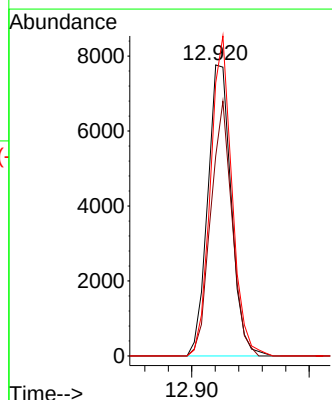
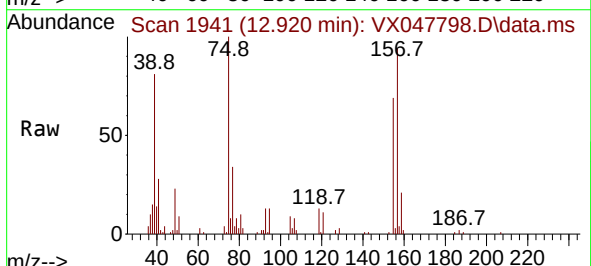
Tgt Ion: 75 Resp: 10795

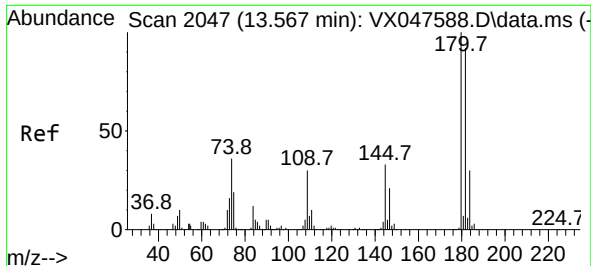
Ion Ratio Lower Upper

75 100

155 79.3 37.7 113.1

157 100.3 49.8 149.4





#93

1,2,4-Trichlorobenzene

Concen: 16.239 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

Instrument :

MSVOA_X

ClientSampleId :

VX0925WBS01

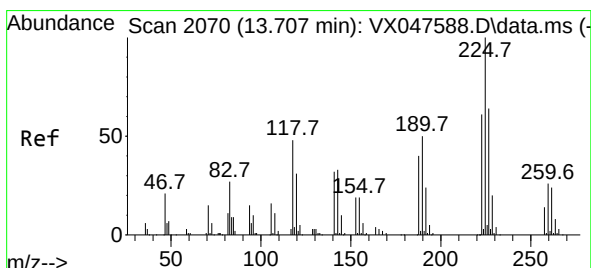
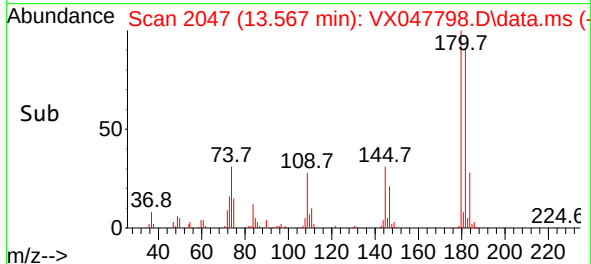
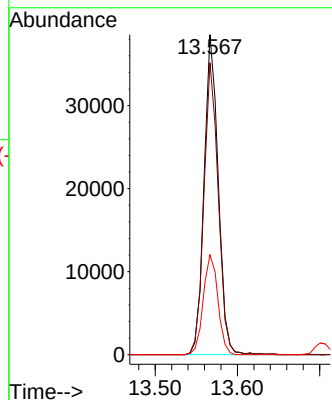
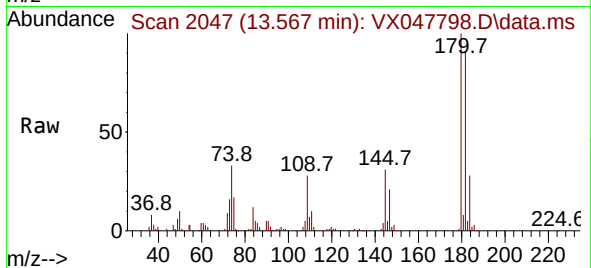
Tgt Ion:180 Resp: 45993

Ion Ratio Lower Upper

180 100

182 92.4 46.6 139.8

145 32.2 16.4 49.1



#94

Hexachlorobutadiene

Concen: 15.538 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX047798.D

Acq: 25 Sep 2025 10:13

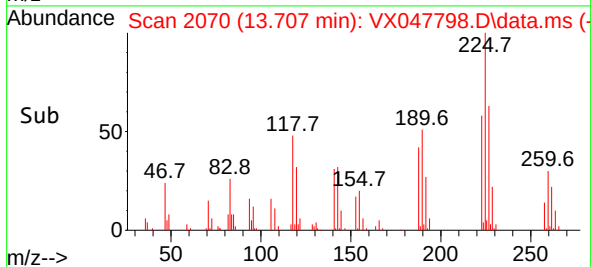
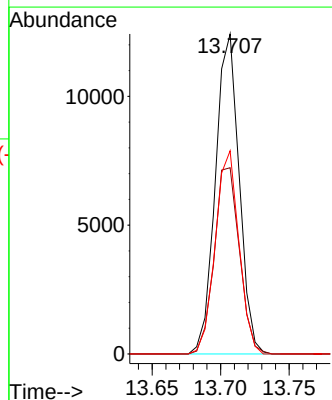
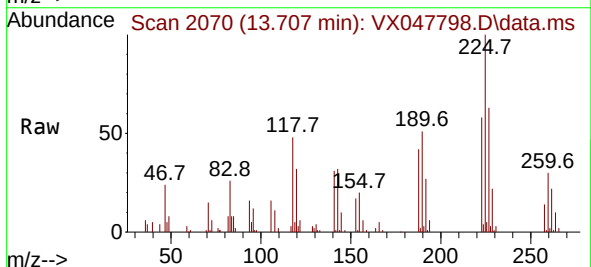
Tgt Ion:225 Resp: 14948

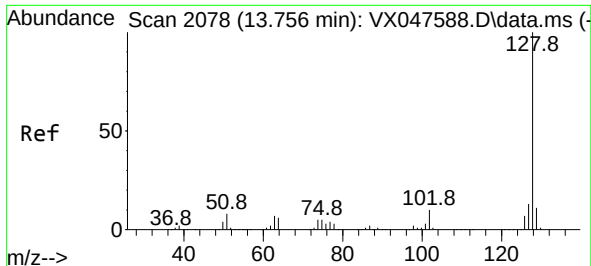
Ion Ratio Lower Upper

225 100

223 61.8 31.7 95.1

227 63.3 32.0 96.0

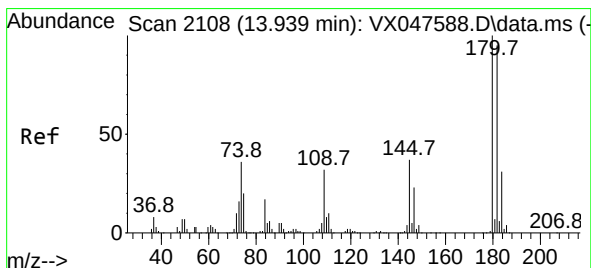
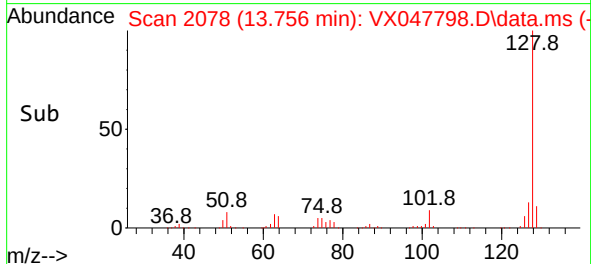
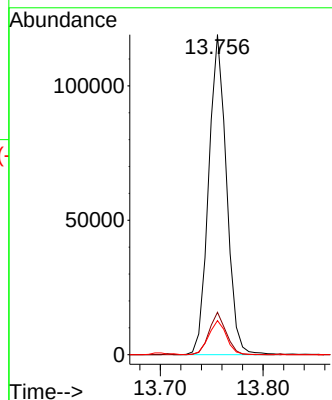
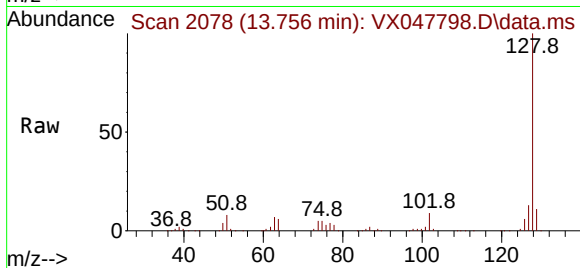




#95
Naphthalene
Concen: 16.649 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

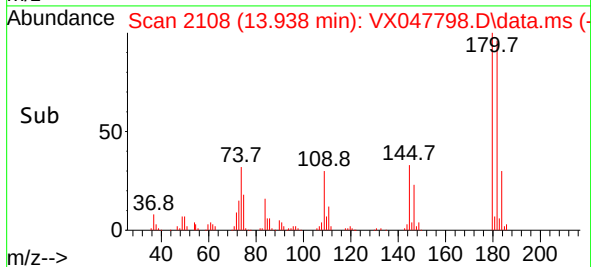
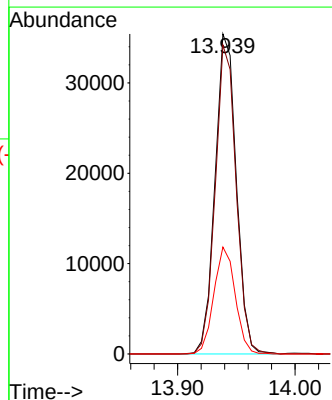
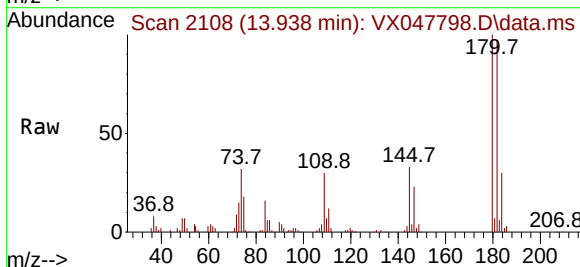
Instrument :
MSVOA_X
ClientSampleId :
VX0925WBS01

Tgt Ion:	128	Resp:	143587
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.7	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 16.884 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047798.D
Acq: 25 Sep 2025 10:13

Tgt Ion:	180	Resp:	44483
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.6	142.8
145	33.6	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\X092525\
 Data File : VX047821.D
 Acq On : 25 Sep 2025 18:27
 Operator : JC/MD
 Sample : Q3165-09MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-320-322MS

Quant Time: Sep 26 01:33:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	135494	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	257414	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	243581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121955	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	122958	57.011	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.020%	
35) Dibromofluoromethane	5.373	113	91891	53.228	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.460%	
50) Toluene-d8	8.635	98	302587	50.655	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.300%	
62) 4-Bromofluorobenzene	11.061	95	120831	53.298	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.600%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	76674	54.648	ug/l	99
3) Chloromethane	1.301	50	98626	53.485	ug/l	99
4) Vinyl Chloride	1.380	62	98020	54.302	ug/l	98
5) Bromomethane	1.611	94	58949	51.501	ug/l	98
6) Chloroethane	1.697	64	63761	52.850	ug/l	99
7) Trichlorofluoromethane	1.898	101	138453	51.658	ug/l	99
8) Diethyl Ether	2.136	74	59720	54.470	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	76229	48.641	ug/l	98
10) Methyl Iodide	2.459	142	108557	44.415	ug/l	99
11) Tert butyl alcohol	2.947	59	60604	252.305	ug/l	99
12) 1,1-Dichloroethene	2.325	96	83445	51.835	ug/l	93
13) Acrolein	2.239	56	56296	254.331	ug/l	99
14) Allyl chloride	2.666	41	148087	44.579	ug/l	96
15) Acrylonitrile	3.062	53	268561	301.848	ug/l	98
16) Acetone	2.374	43	220972	235.641	ug/l	97
17) Carbon Disulfide	2.520	76	227641	51.654	ug/l	99
18) Methyl Acetate	2.703	43	86796	41.590	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	308529	52.502	ug/l	98
20) Methylene Chloride	2.788	84	104383	52.587	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	92664	53.465	ug/l	96
22) Diisopropyl ether	3.757	45	342075	53.134	ug/l	89
23) Vinyl Acetate	3.715	43	915403	177.660	ug/l	100
24) 1,1-Dichloroethane	3.611	63	182666	53.383	ug/l	98
25) 2-Butanone	4.544	43	319667	273.284	ug/l	99
26) 2,2-Dichloropropane	4.471	77	45951	16.155	ug/l	85
27) cis-1,2-Dichloroethene	4.483	96	110970	52.282	ug/l	92
28) Bromochloromethane	4.891	49	84490	56.559	ug/l	100
29) Tetrahydrofuran	4.995	42	208037	295.642	ug/l	98
30) Chloroform	5.080	83	186106	53.822	ug/l	98
31) Cyclohexane	5.458	56	132989	46.664	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	148866	50.756	ug/l	98
36) 1,1-Dichloropropene	5.684	75	116268	46.090	ug/l	99
37) Ethyl Acetate	4.702	43	97367	36.048	ug/l	99
38) Carbon Tetrachloride	5.666	117	127279	46.438	ug/l	97
39) Methylcyclohexane	7.367	83	115594	40.368	ug/l	97
40) Benzene	6.025	78	380825	49.704	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047821.D
 Acq On : 25 Sep 2025 18:27
 Operator : JC/MD
 Sample : Q3165-09MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-320-322MS

Quant Time: Sep 26 01:33:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	75954	54.471	ug/l	98
42) 1,2-Dichloroethane	6.074	62	141033	48.378	ug/l	97
43) Isopropyl Acetate	6.324	43	180870	40.830	ug/l	100
44) Trichloroethene	7.111	130	89220	48.166	ug/l	96
45) 1,2-Dichloropropane	7.415	63	98545	50.229	ug/l	100
46) Dibromomethane	7.568	93	71714	50.231	ug/l	97
47) Bromodichloromethane	7.806	83	147433	50.043	ug/l	97
48) Methyl methacrylate	7.677	41	109524	49.636	ug/l	96
49) 1,4-Dioxane	7.647	88	27656	1240.210	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	678398	276.211	ug/l	100
52) Toluene	8.702	92	230973	48.930	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	122223	40.672	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	131647	40.987	ug/l	97
55) 1,1,2-Trichloroethane	9.135	97	93726	51.493	ug/l	97
56) Ethyl methacrylate	9.104	69	147754	51.689	ug/l	95
57) 1,3-Dichloropropane	9.293	76	163602	52.323	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.159	63	88	7.957	ug/l #	47
59) 2-Hexanone	9.415	43	466801	264.631	ug/l	98
60) Dibromochloromethane	9.506	129	107503	51.259	ug/l	100
61) 1,2-Dibromoethane	9.592	107	98261	53.001	ug/l	99
64) Tetrachloroethene	9.263	164	67359	42.420	ug/l	97
65) Chlorobenzene	10.061	112	252686	45.663	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	89761	47.007	ug/l	99
67) Ethyl Benzene	10.177	91	428505	44.879	ug/l	100
68) m/p-Xylenes	10.287	106	321516	90.470	ug/l	98
69) o-Xylene	10.628	106	156445	45.513	ug/l	99
70) Styrene	10.640	104	256077	42.517	ug/l	98
71) Bromoform	10.787	173	68186	47.822	ug/l #	100
73) Isopropylbenzene	10.945	105	392521	42.335	ug/l	99
74) N-amyl acetate	10.829	43	131747	31.160	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	135441	48.282	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	135616	54.923	ug/l	89
77) Bromobenzene	11.183	156	101115	44.279	ug/l	97
78) n-propylbenzene	11.287	91	457503	41.741	ug/l	100
79) 2-Chlorotoluene	11.348	91	287129	42.772	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	315443	41.410	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	28035	28.954	ug/l	98
82) 4-Chlorotoluene	11.439	91	334200	42.152	ug/l	99
83) tert-Butylbenzene	11.695	119	326392	41.856	ug/l	98
84) 1,2,4-Trimethylbenzene	11.738	105	321947	41.687	ug/l	100
85) sec-Butylbenzene	11.872	105	376069	40.602	ug/l	100
86) p-Isopropyltoluene	11.994	119	311233	39.690	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	179265	42.264	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	183970	42.260	ug/l	99
89) n-Butylbenzene	12.317	91	270965	37.344	ug/l	99
90) Hexachloroethane	12.518	117	58360	42.390	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	178993	44.295	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.927	75	26343	46.383	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	102648	39.085	ug/l	100
94) Hexachlorobutadiene	13.707	225	28659	32.127	ug/l	100
95) Naphthalene	13.756	128	354407	44.317	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	100379	41.089	ug/l	99

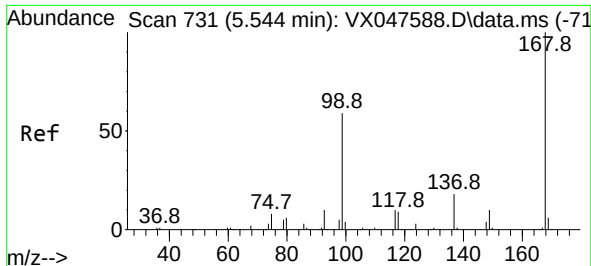
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047821.D
Acq On : 25 Sep 2025 18:27
Operator : JC/MD
Sample : Q3165-09MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

Quant Time: Sep 26 01:33:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

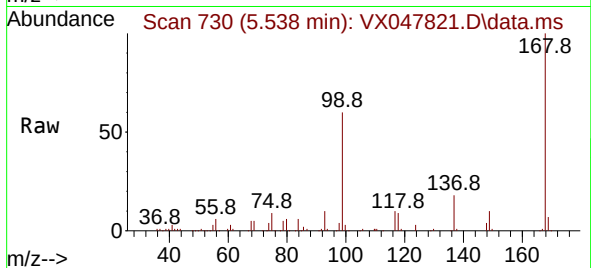
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

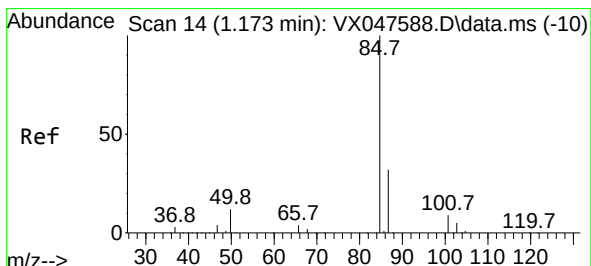
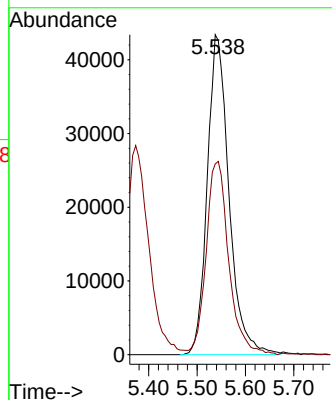
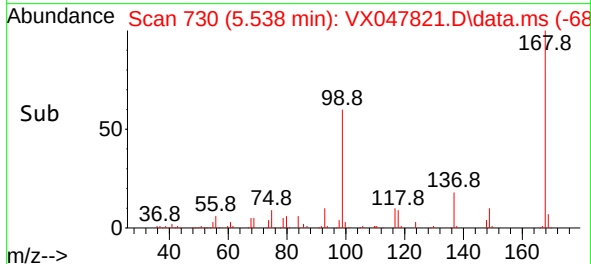


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

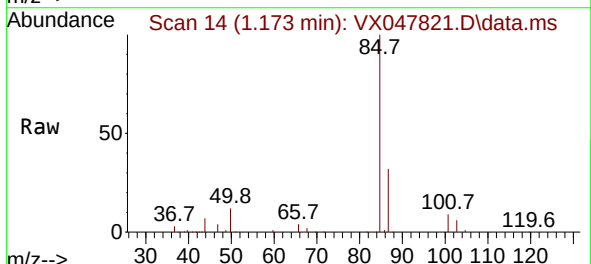
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS



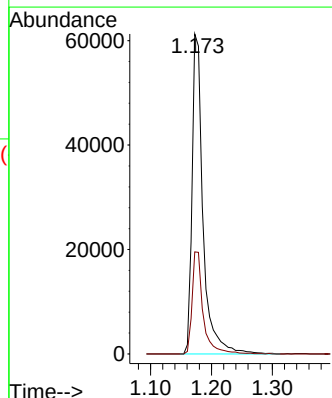
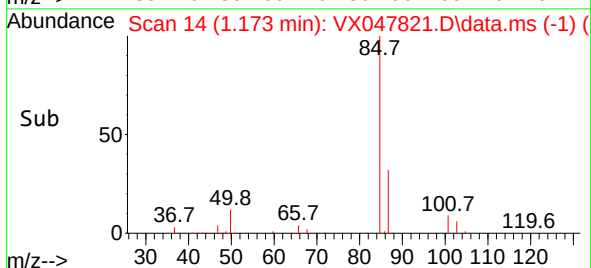
Tgt Ion:168 Resp: 135494
Ion Ratio Lower Upper
168 100
99 59.3 48.8 73.2

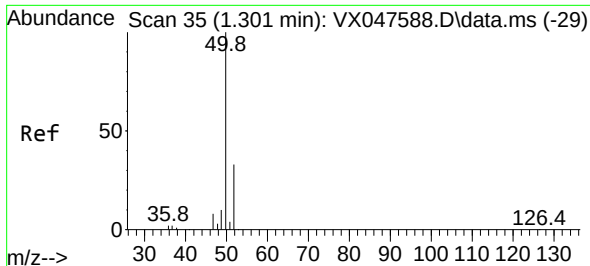


#2
Dichlorodifluoromethane
Concen: 54.648 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27



Tgt Ion: 85 Resp: 76674
Ion Ratio Lower Upper
85 100
87 31.9 15.8 47.3

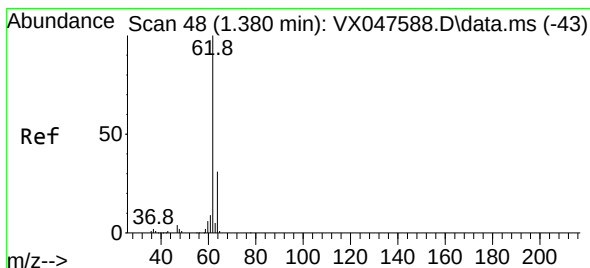
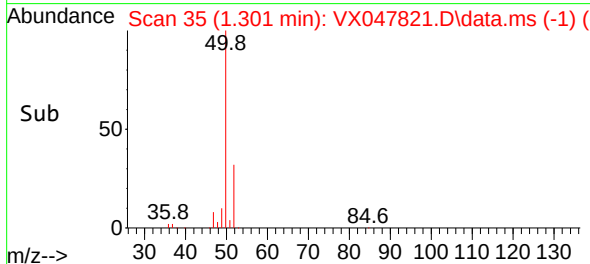
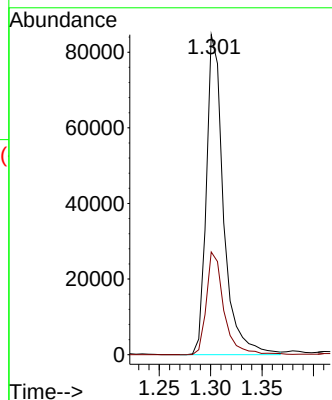
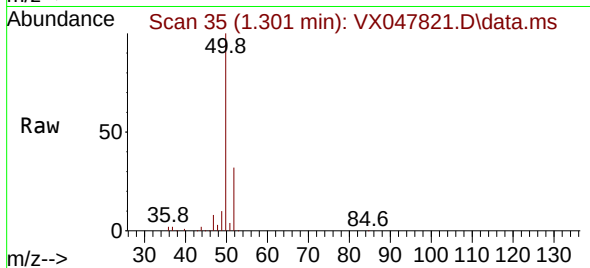




#3
Chloromethane
Concen: 53.485 ug/l
RT: 1.301 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

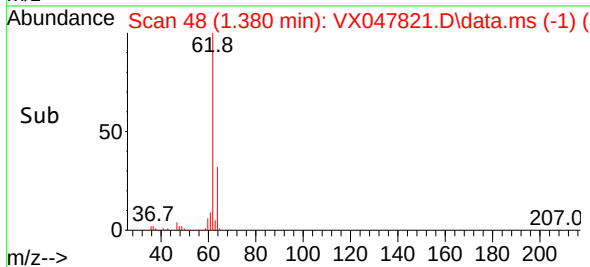
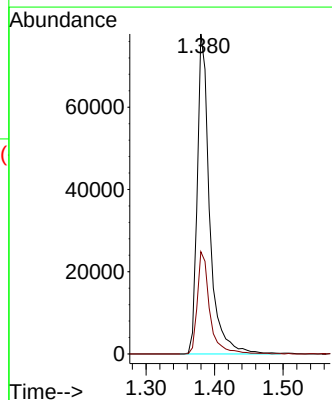
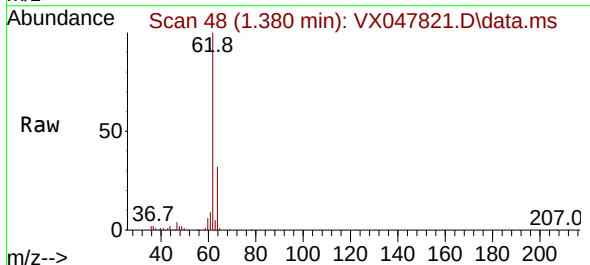
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

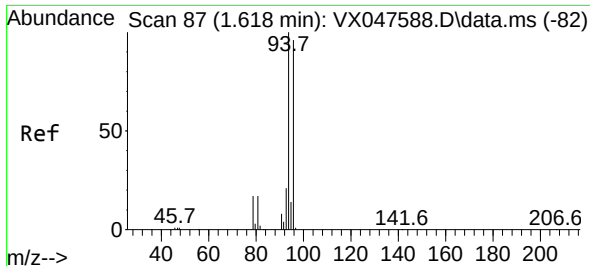
Tgt Ion: 50 Resp: 98626
Ion Ratio Lower Upper
50 100
52 32.1 26.1 39.1



#4
Vinyl Chloride
Concen: 54.302 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 62 Resp: 98020
Ion Ratio Lower Upper
62 100
64 32.0 24.9 37.3

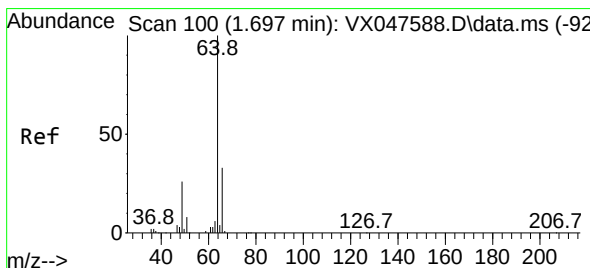
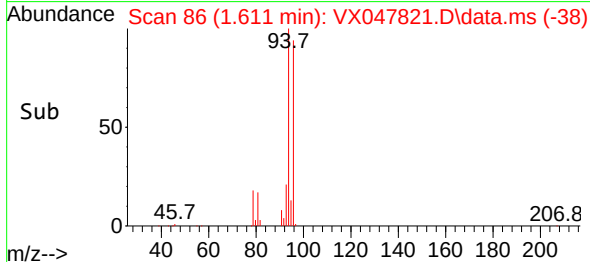
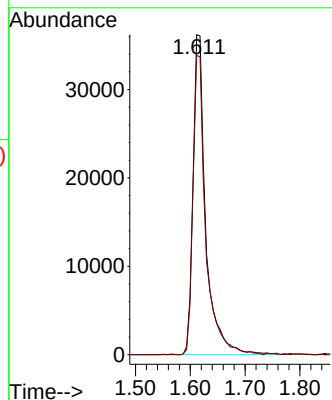
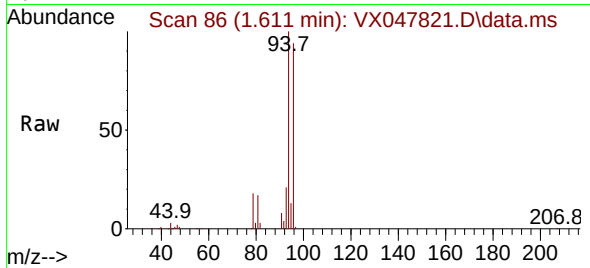




#5
Bromomethane
Concen: 51.501 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

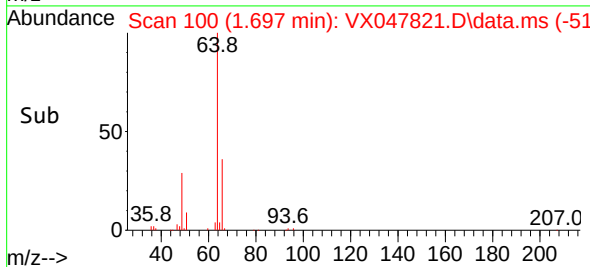
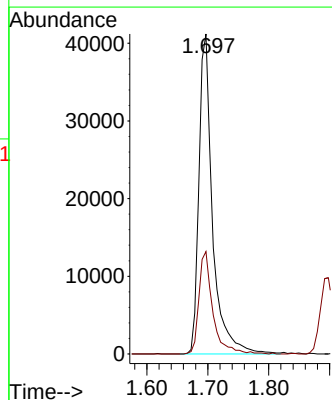
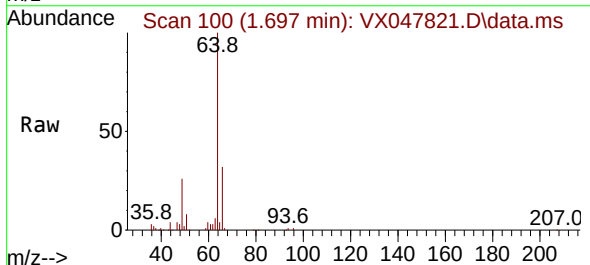
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

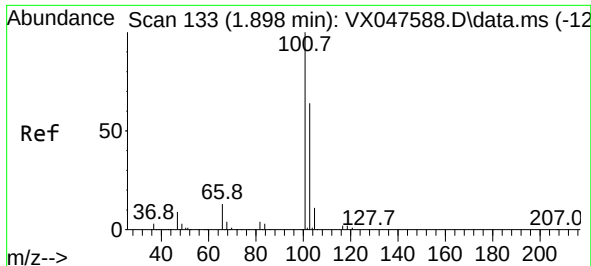
Tgt Ion: 94 Resp: 58949
Ion Ratio Lower Upper
94 100
96 93.5 76.6 115.0



#6
Chloroethane
Concen: 52.850 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 64 Resp: 63761
Ion Ratio Lower Upper
64 100
66 32.0 26.1 39.1

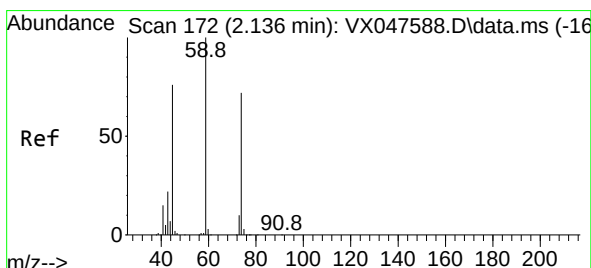
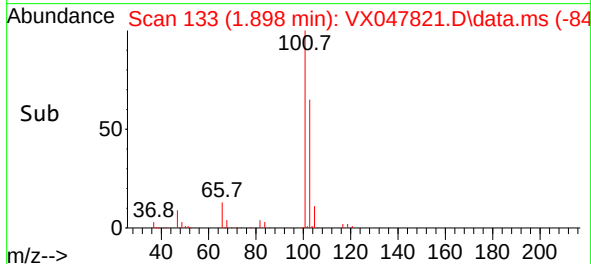
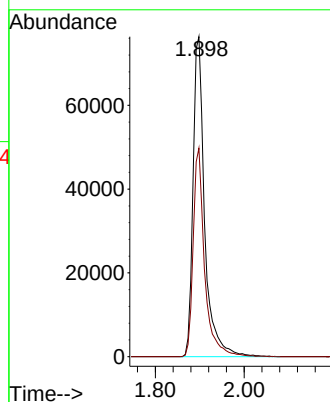
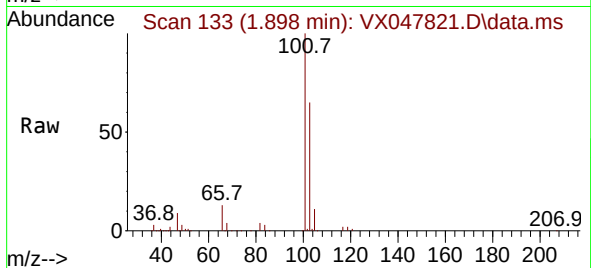




#7
 Trichlorofluoromethane
 Concen: 51.658 ug/l
 RT: 1.898 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047821.D
 Acq: 25 Sep 2025 18:27

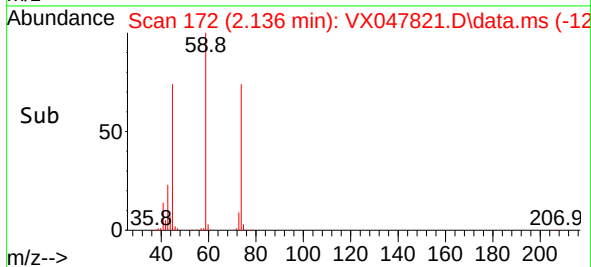
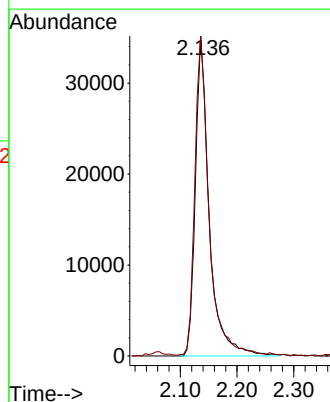
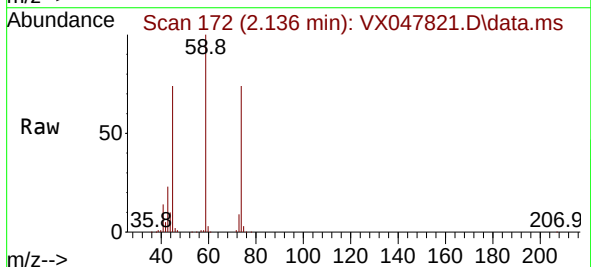
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-320-322MS

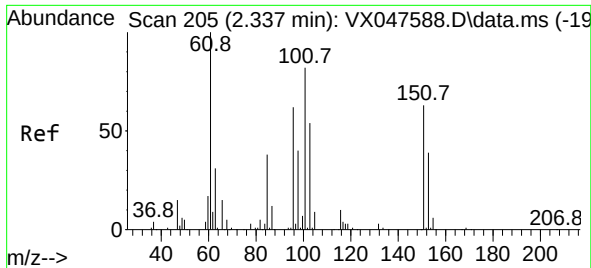
Tgt Ion:101 Resp: 138453
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.4 77.2



#8
 Diethyl Ether
 Concen: 54.470 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. -0.000 min
 Lab File: VX047821.D
 Acq: 25 Sep 2025 18:27

Tgt Ion: 74 Resp: 59720
 Ion Ratio Lower Upper
 74 100
 45 101.3 52.3 156.8

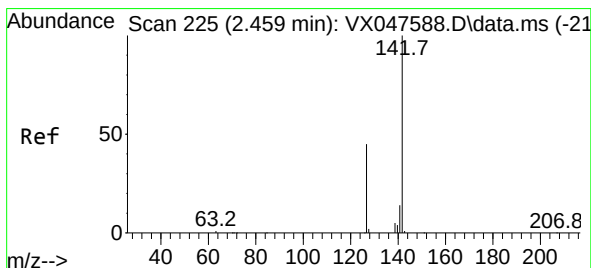
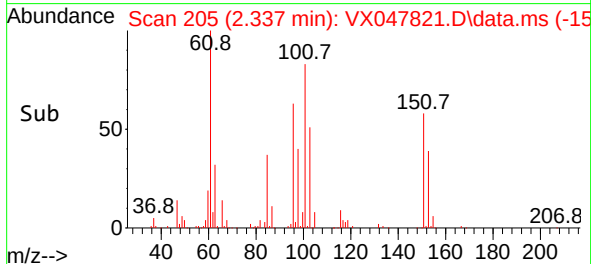
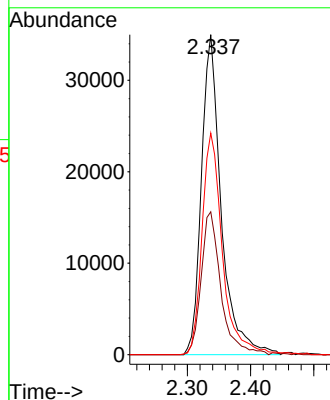
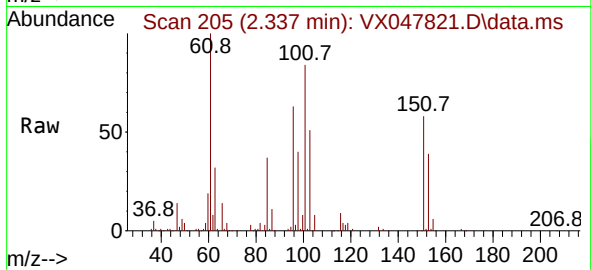




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.641 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

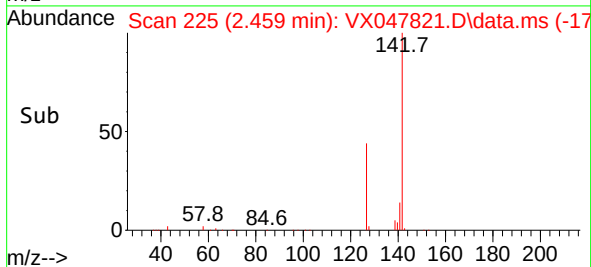
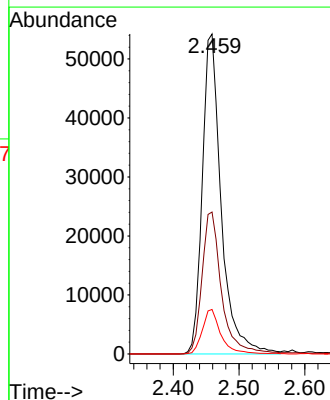
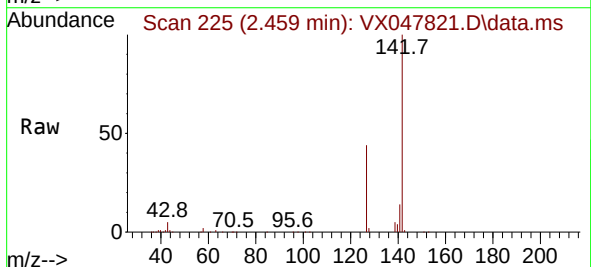
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

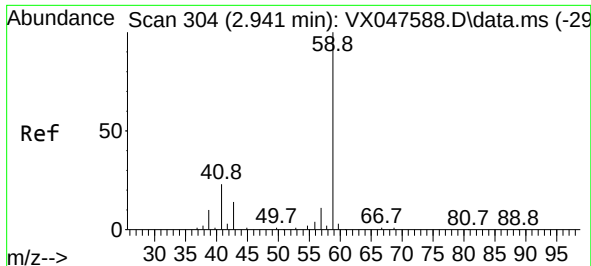
Tgt Ion:101 Resp: 76229
Ion Ratio Lower Upper
101 100
85 44.5 35.5 53.3
151 71.8 59.4 89.0



#10
Methyl Iodide
Concen: 44.415 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion:142 Resp: 108557
Ion Ratio Lower Upper
142 100
127 46.1 37.2 55.8
141 13.7 11.4 17.0

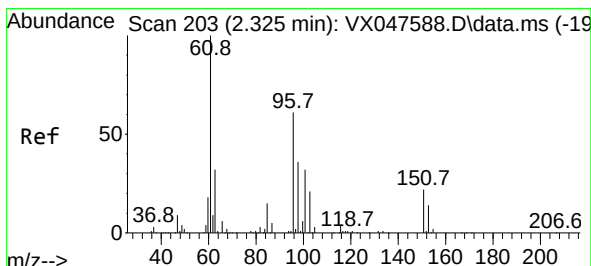
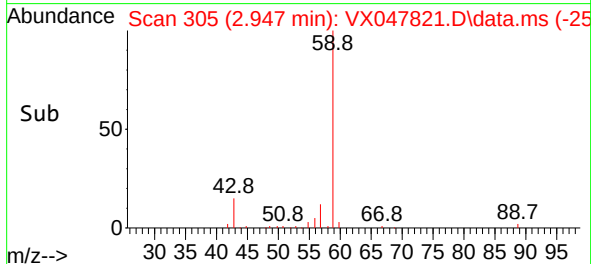
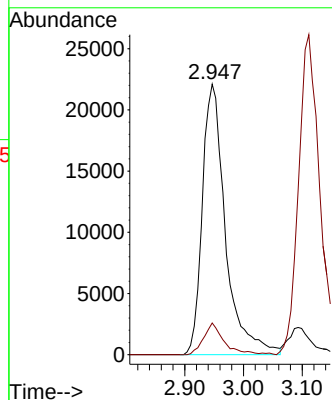
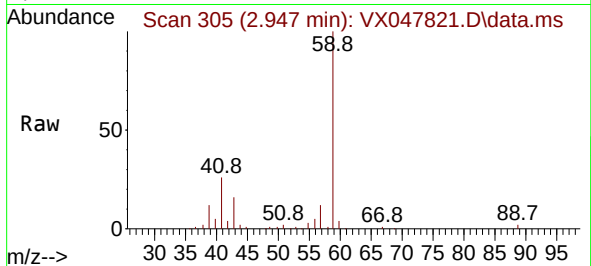




#11
Tert butyl alcohol
Concen: 252.305 ug/l
RT: 2.947 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

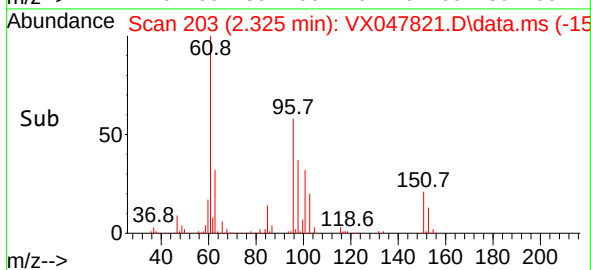
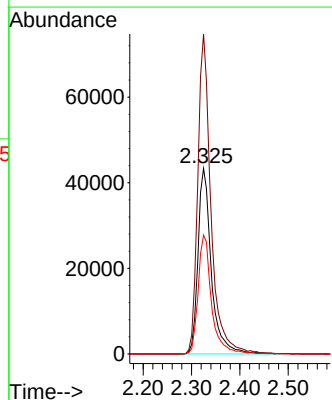
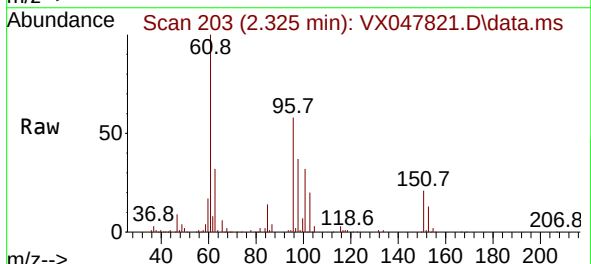
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

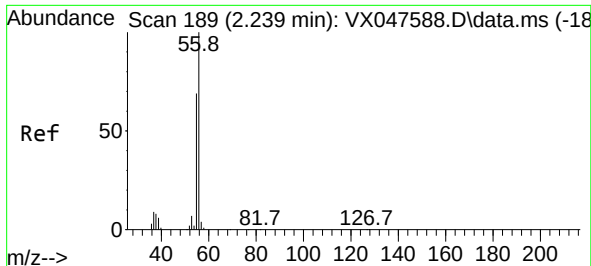
Tgt Ion: 59 Resp: 60604
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5



#12
1,1-Dichloroethene
Concen: 51.835 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 96 Resp: 83445
Ion Ratio Lower Upper
96 100
61 172.4 131.0 196.6
98 66.3 47.7 71.5

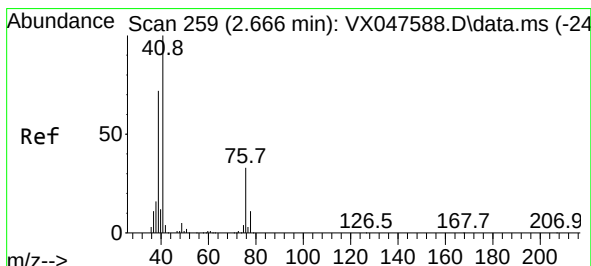
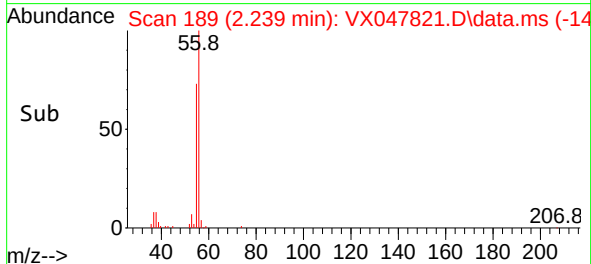
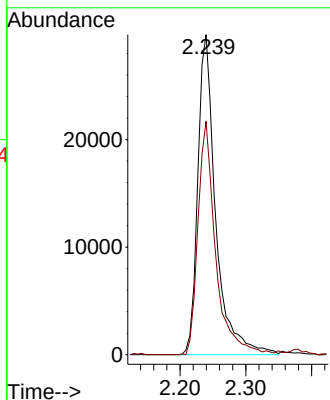
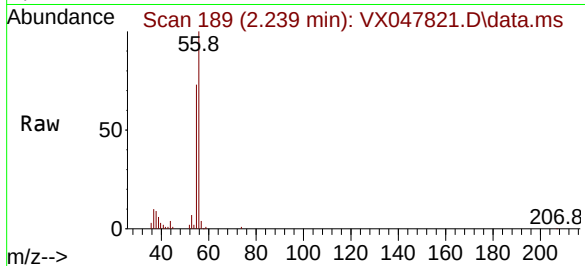




#13
Acrolein
Concen: 254.331 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

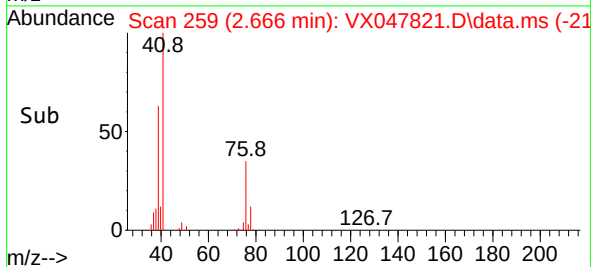
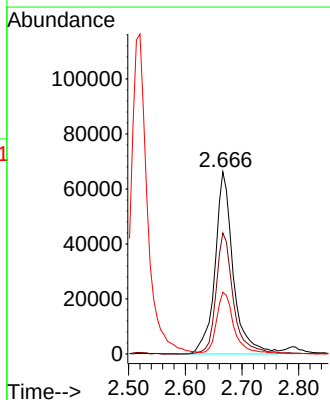
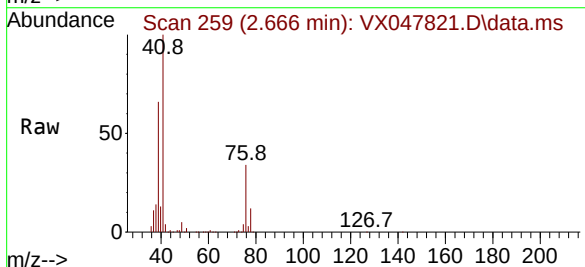
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

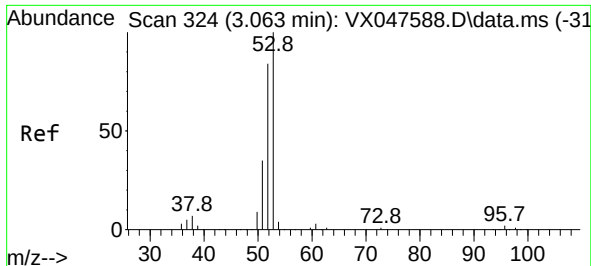
Tgt Ion: 56 Resp: 56296
Ion Ratio Lower Upper
56 100
55 72.2 57.2 85.8



#14
Allyl chloride
Concen: 44.579 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 41 Resp: 148087
Ion Ratio Lower Upper
41 100
39 63.8 54.7 82.1
76 32.1 25.7 38.5

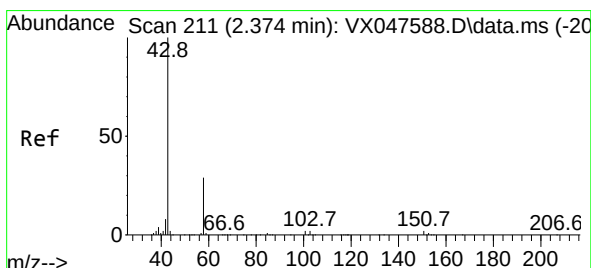
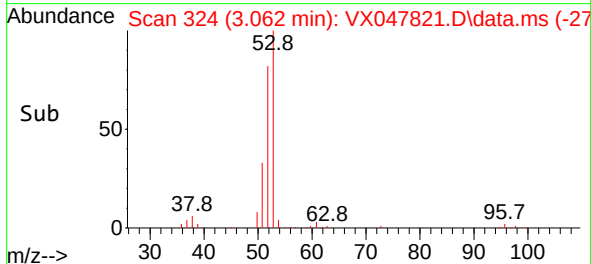
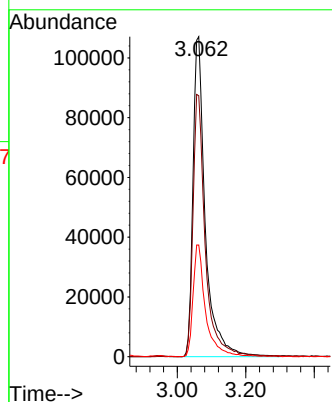
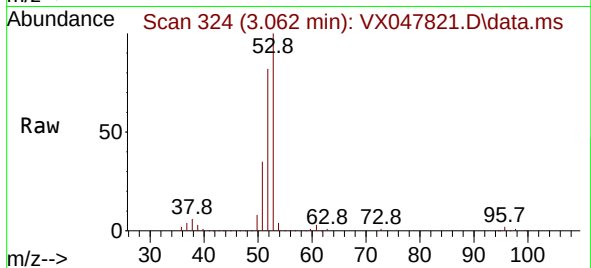




#15
Acrylonitrile
Concen: 301.848 ug/l
RT: 3.062 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

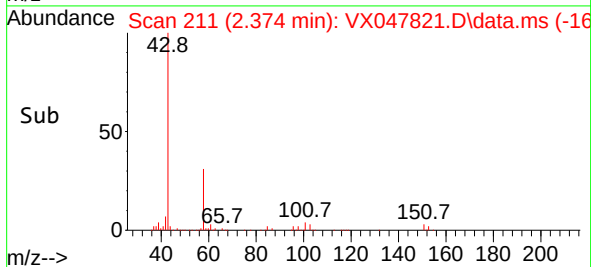
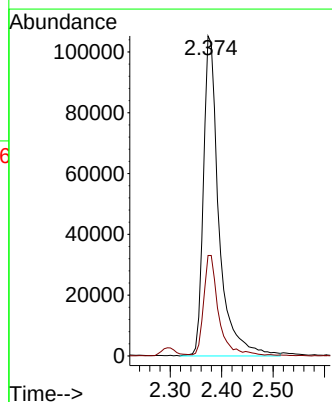
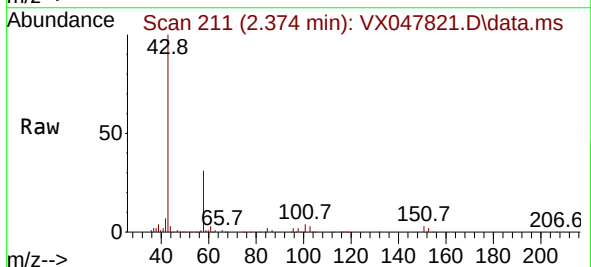
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

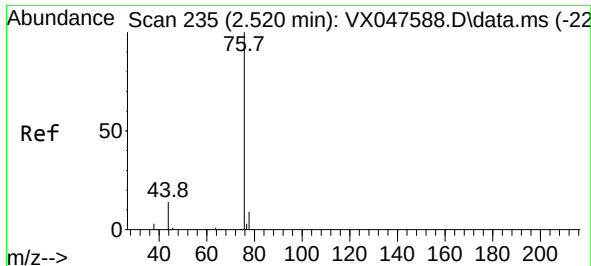
Tgt Ion: 53 Resp: 268561
Ion Ratio Lower Upper
53 100
52 81.5 66.4 99.6
51 35.5 29.5 44.3



#16
Acetone
Concen: 235.641 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 43 Resp: 220972
Ion Ratio Lower Upper
43 100
58 31.1 23.4 35.0

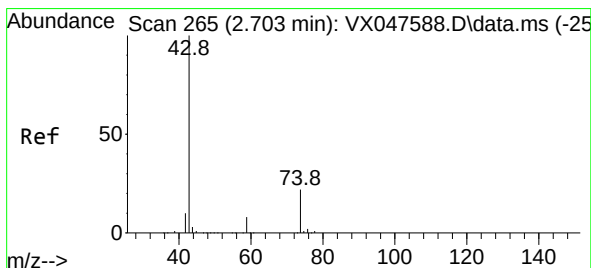
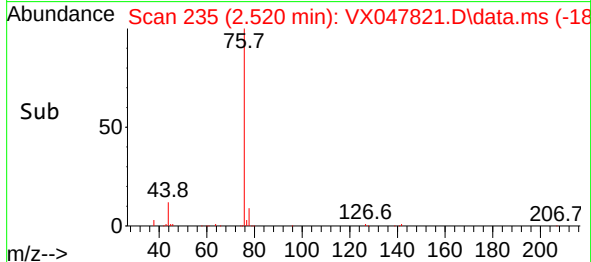
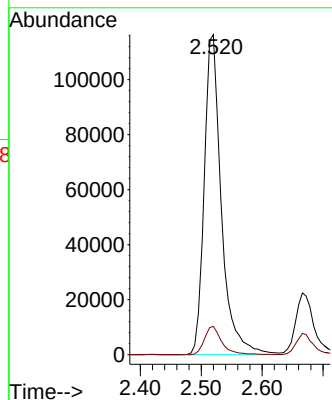
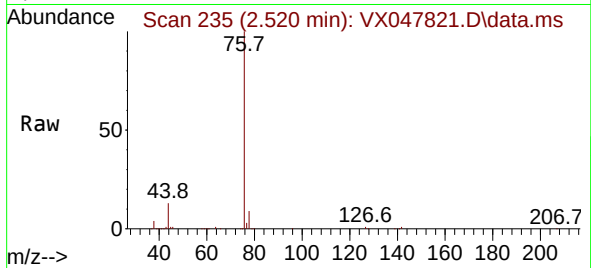




#17
Carbon Disulfide
Concen: 51.654 ug/l
RT: 2.520 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

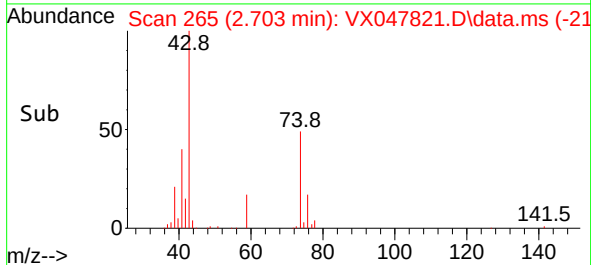
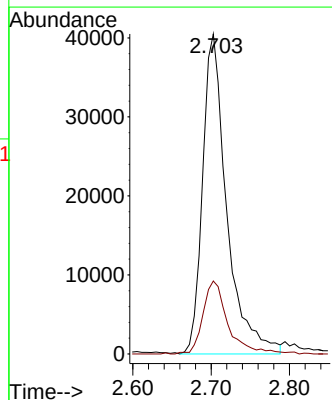
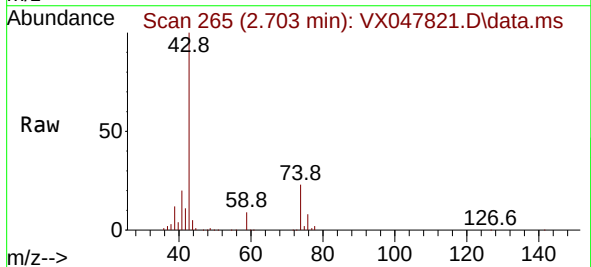
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

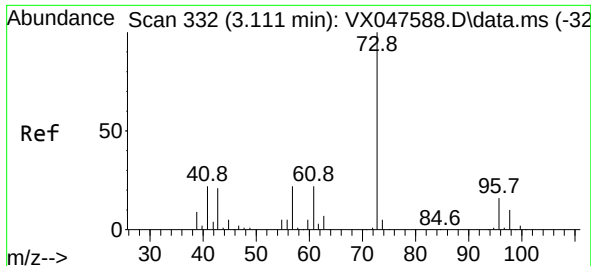
Tgt Ion: 76 Resp: 227641
Ion Ratio Lower Upper
76 100
78 8.9 6.8 10.2



#18
Methyl Acetate
Concen: 41.590 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 43 Resp: 86796
Ion Ratio Lower Upper
43 100
74 23.8 17.4 26.2

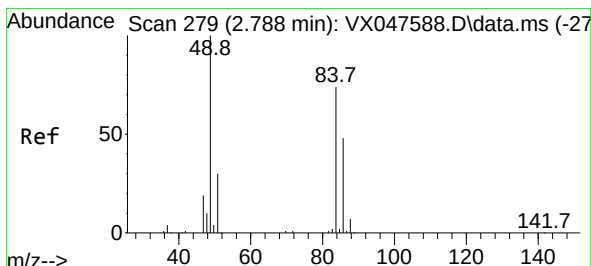
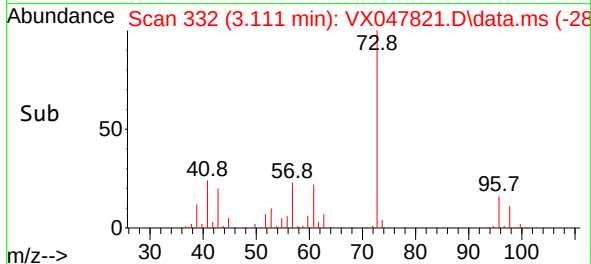
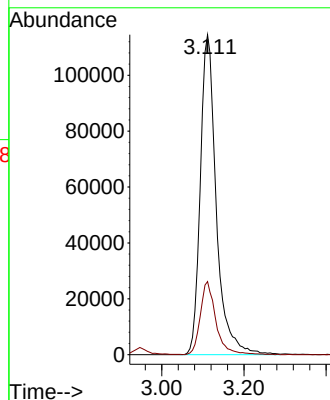
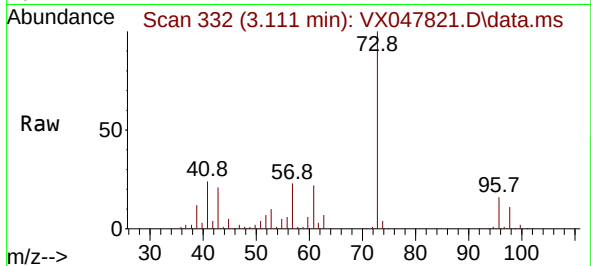




#19
Methyl tert-butyl Ether
Concen: 52.502 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

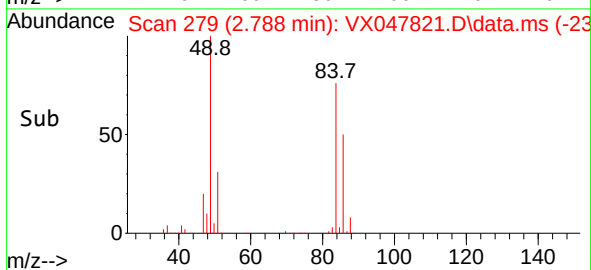
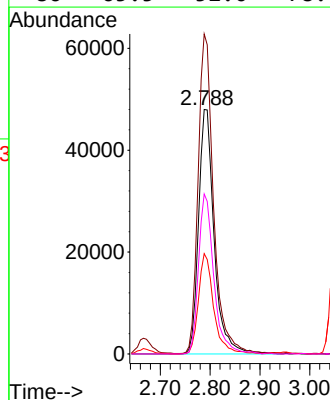
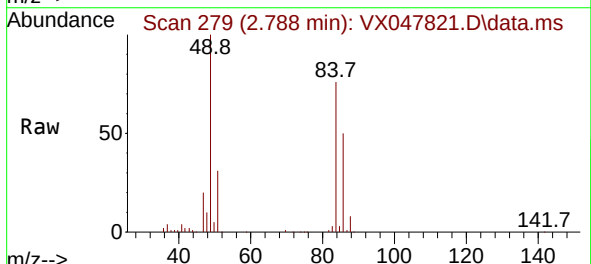
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

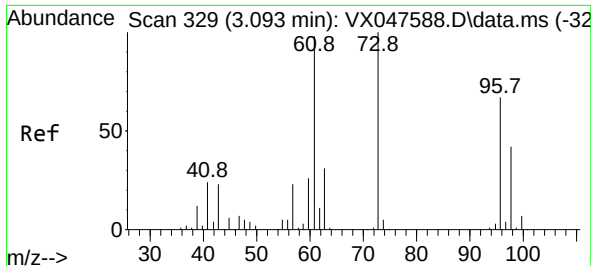
Tgt Ion: 73 Resp: 308529
Ion Ratio Lower Upper
73 100
57 22.8 17.4 26.2



#20
Methylene Chloride
Concen: 52.587 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 84 Resp: 104383
Ion Ratio Lower Upper
84 100
49 130.7 108.6 162.8
51 41.0 32.6 48.8
86 65.5 52.0 78.0

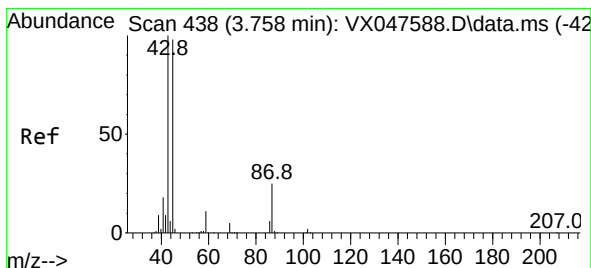
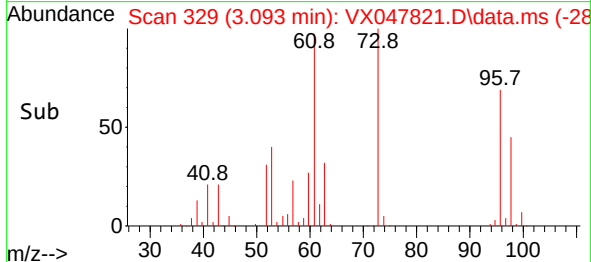
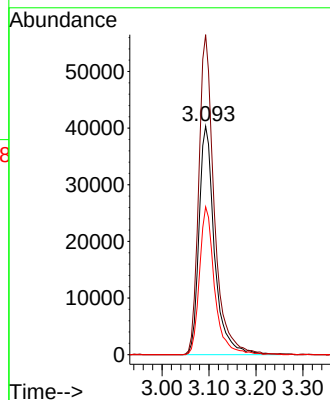
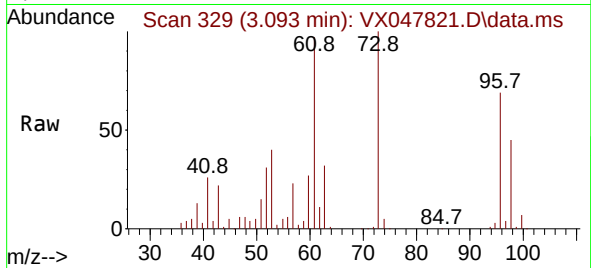




#21
trans-1,2-Dichloroethene
Concen: 53.465 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

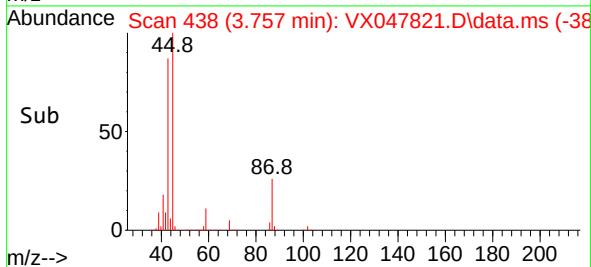
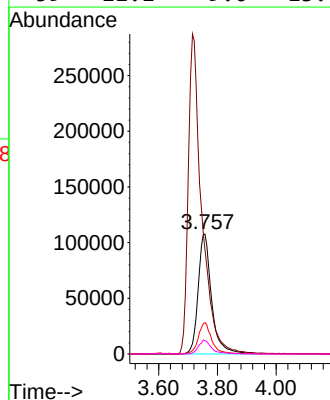
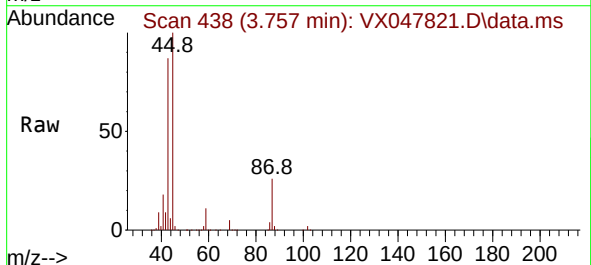
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

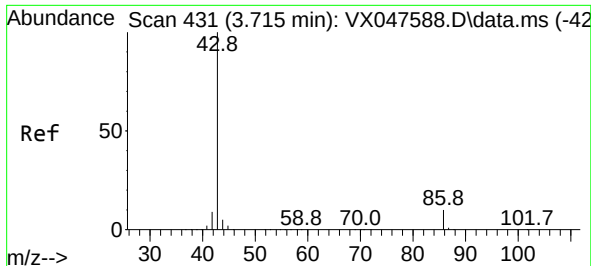
Tgt Ion: 96 Resp: 92664
Ion Ratio Lower Upper
96 100
61 140.0 116.2 174.2
98 64.7 49.3 73.9



#22
Diisopropyl ether
Concen: 53.134 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 45 Resp: 342075
Ion Ratio Lower Upper
45 100
43 86.3 81.0 121.4
87 26.2 20.3 30.5
59 11.1 9.0 13.4

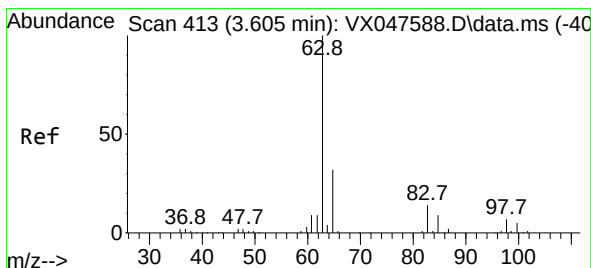
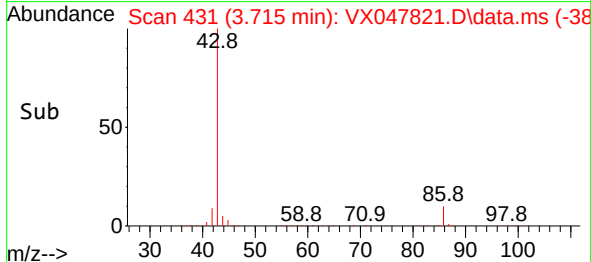
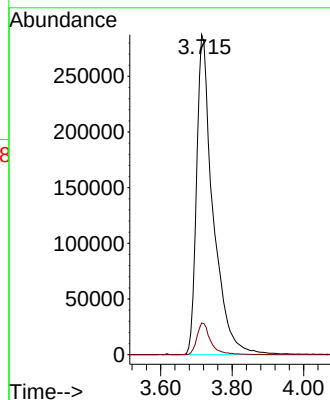
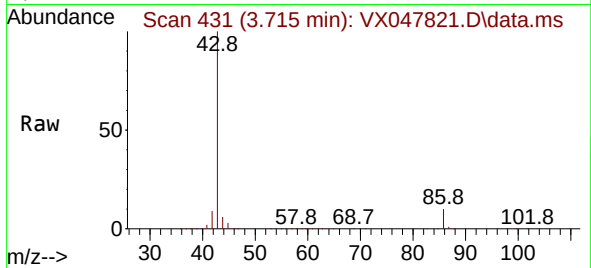




#23
Vinyl Acetate
Concen: 177.660 ug/l
RT: 3.715 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

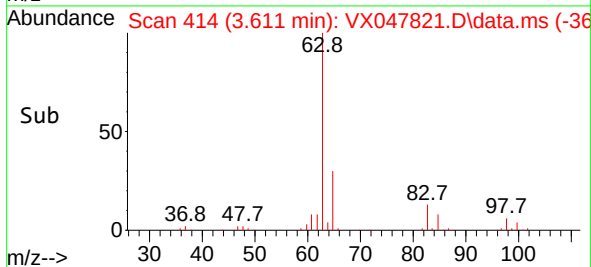
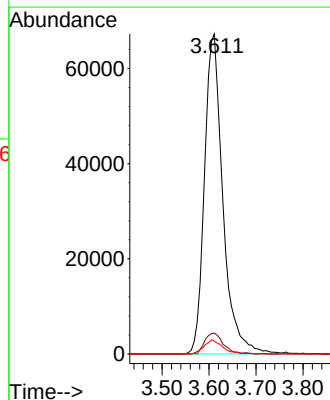
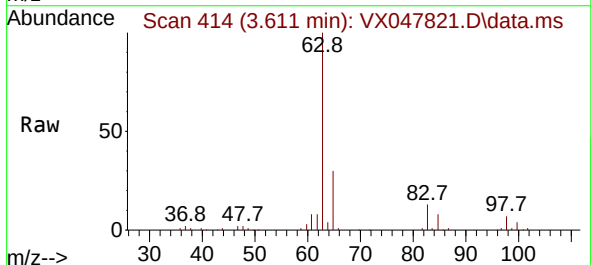
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

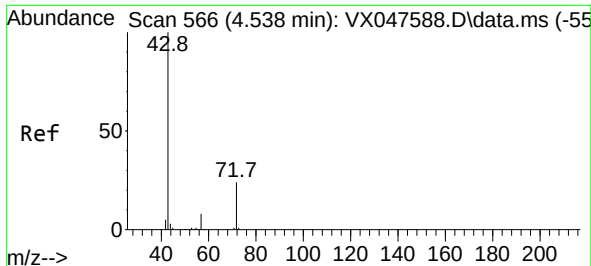
Tgt Ion: 43 Resp: 915403
Ion Ratio Lower Upper
43 100
86 9.9 7.8 11.8



#24
1,1-Dichloroethane
Concen: 53.383 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 63 Resp: 182666
Ion Ratio Lower Upper
63 100
98 6.6 3.8 11.2
100 4.1 2.3 6.9

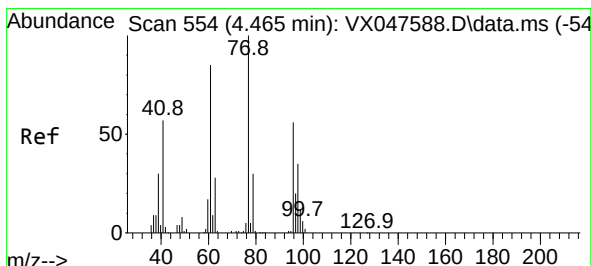
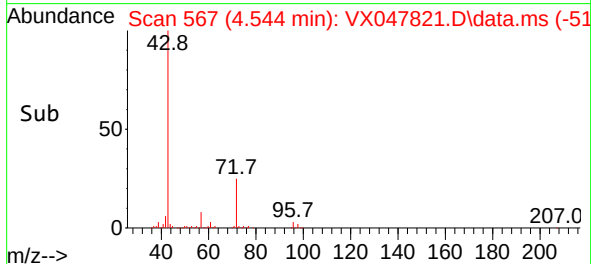
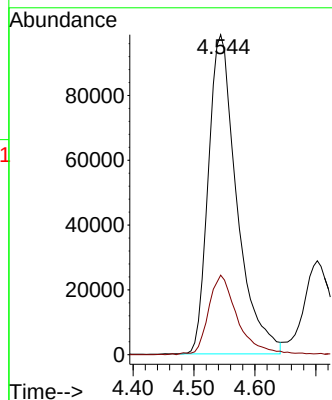
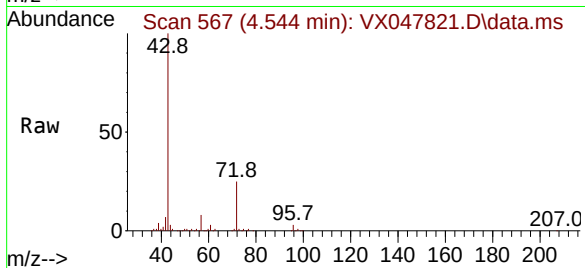




#25
2-Butanone
Concen: 273.284 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

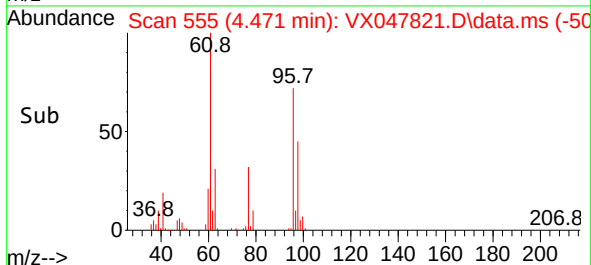
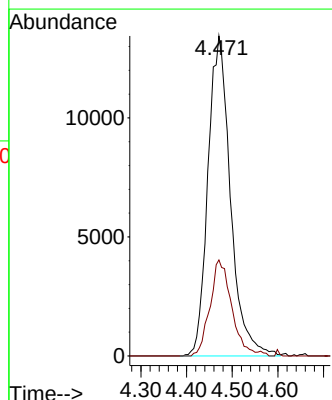
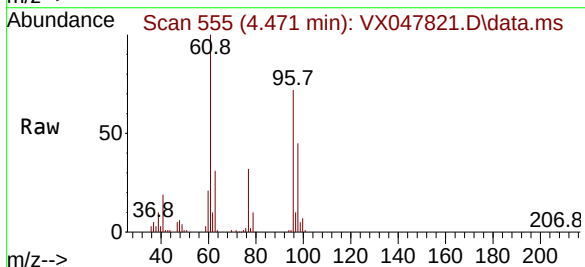
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

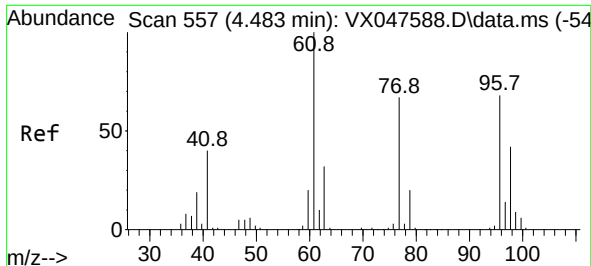
Tgt Ion: 43 Resp: 319667
Ion Ratio Lower Upper
43 100
72 24.6 20.1 30.1



#26
2,2-Dichloropropane
Concen: 16.155 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 77 Resp: 45951
Ion Ratio Lower Upper
77 100
97 29.1 10.9 32.7

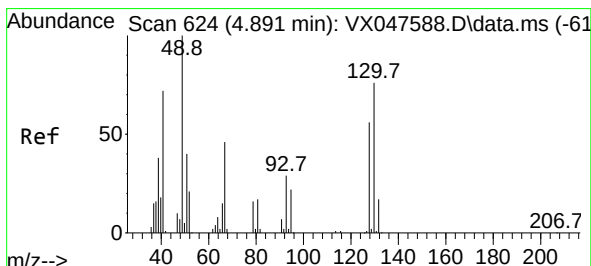
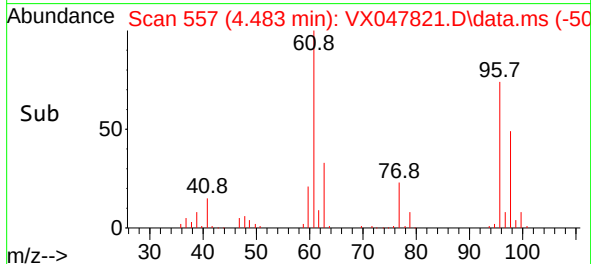
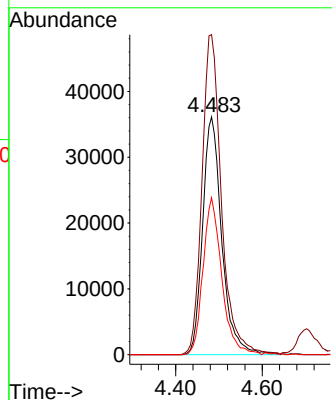
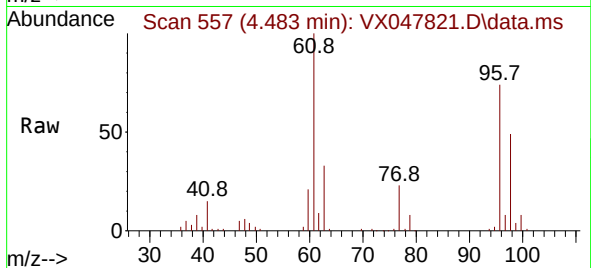




#27
 cis-1,2-Dichloroethene
 Concen: 52.282 ug/l
 RT: 4.483 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VX047821.D
 Acq: 25 Sep 2025 18:27

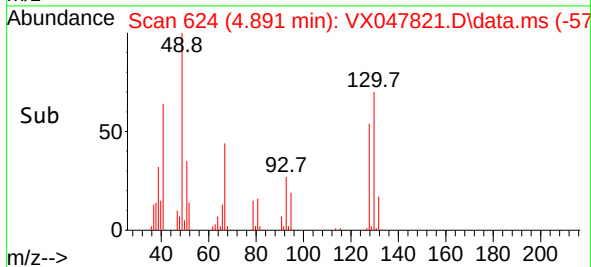
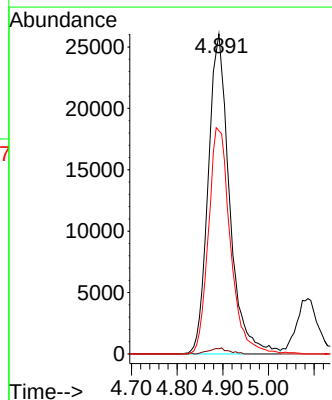
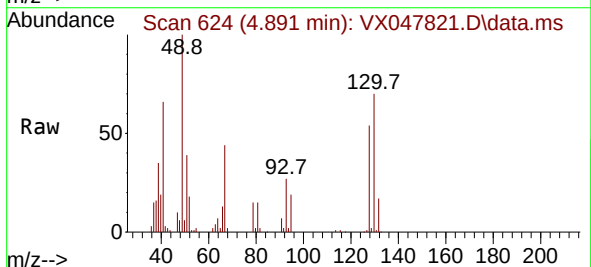
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-320-322MS

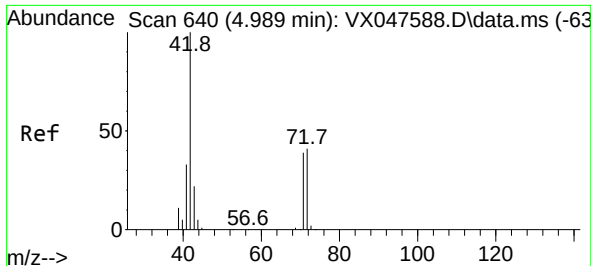
Tgt Ion: 96 Resp: 110970
 Ion Ratio Lower Upper
 96 100
 61 137.2 0.0 303.2
 98 64.4 0.0 127.8



#28
 Bromochloromethane
 Concen: 56.559 ug/l
 RT: 4.891 min Scan# 624
 Delta R.T. -0.000 min
 Lab File: VX047821.D
 Acq: 25 Sep 2025 18:27

Tgt Ion: 49 Resp: 84490
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.2
 130 72.6 57.8 86.8





#29

Tetrahydrofuran

Concen: 295.642 ug/l

RT: 4.995 min Scan# 641

Delta R.T. 0.006 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

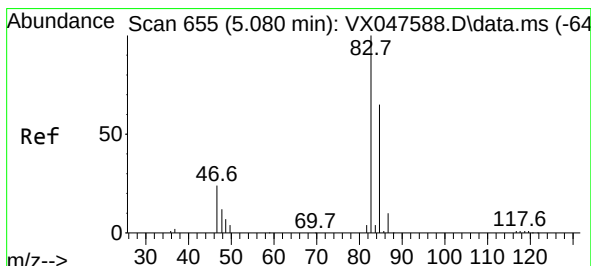
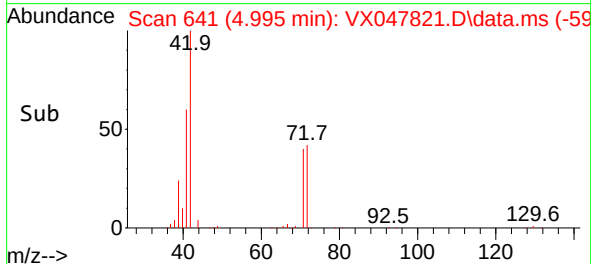
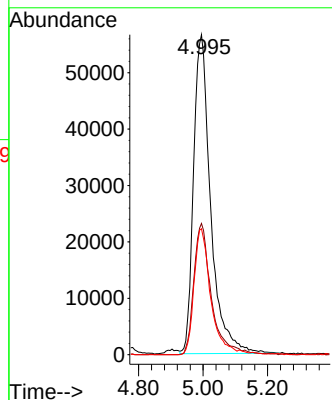
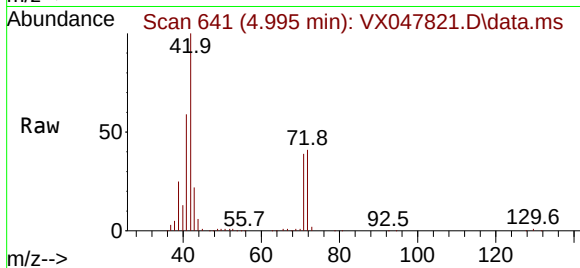
Tgt Ion: 42 Resp: 208037

Ion Ratio Lower Upper

42 100

72 42.3 34.2 51.2

71 38.2 31.9 47.9



#30

Chloroform

Concen: 53.822 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX047821.D

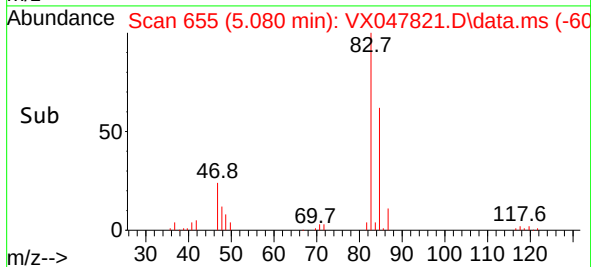
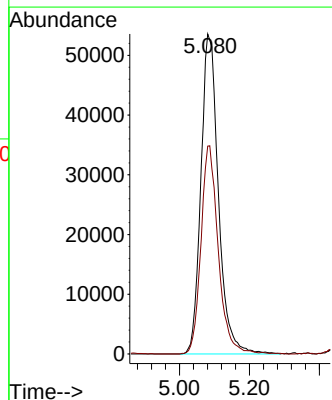
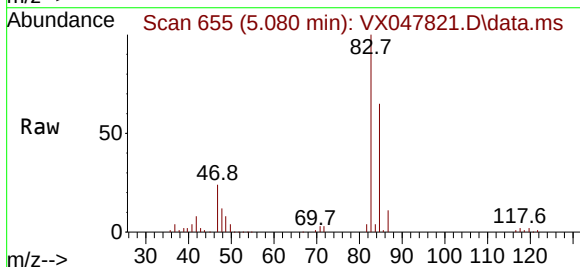
Acq: 25 Sep 2025 18:27

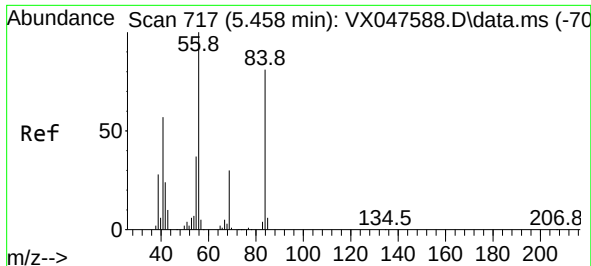
Tgt Ion: 83 Resp: 186106

Ion Ratio Lower Upper

83 100

85 66.2 51.8 77.6

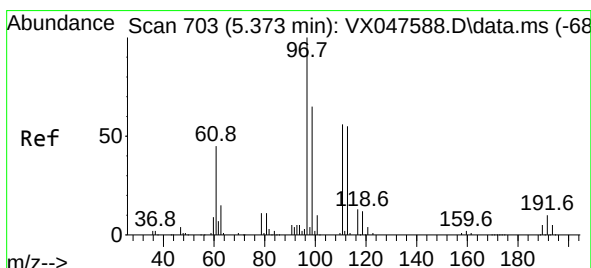
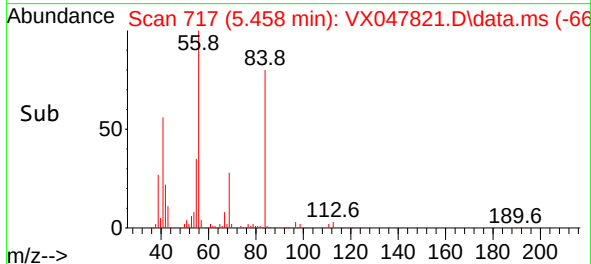
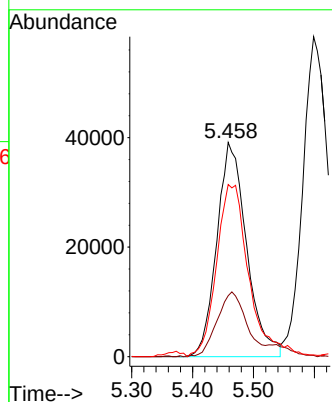
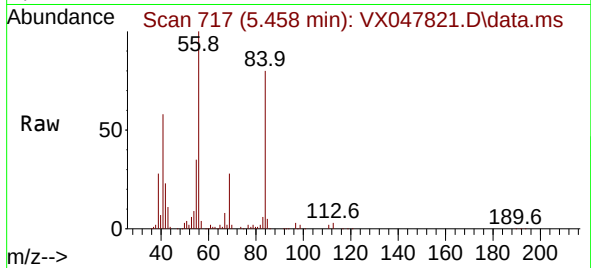




#31
Cyclohexane
Concen: 46.664 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

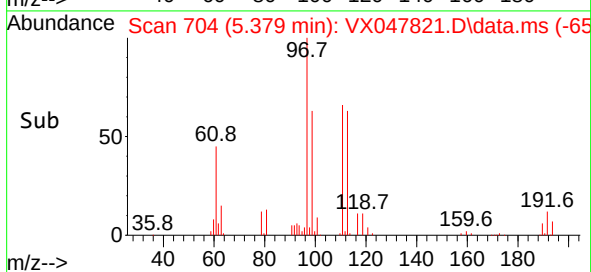
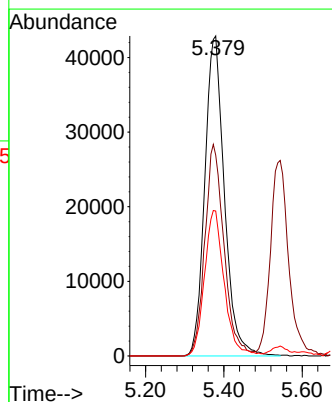
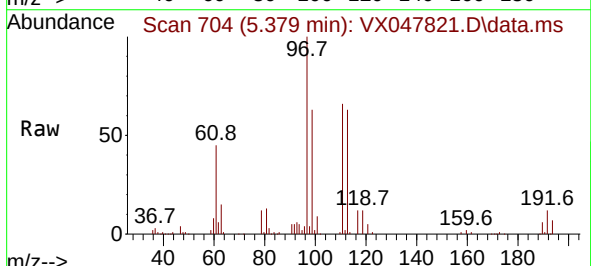
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

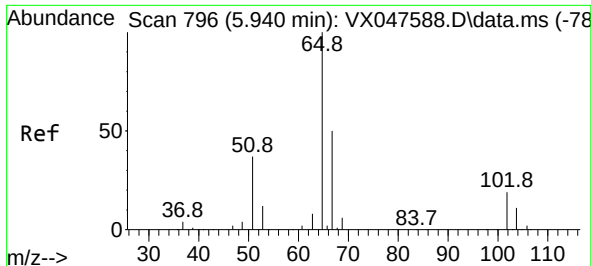
Tgt Ion: 56 Resp: 132989
Ion Ratio Lower Upper
56 100
69 28.0 23.8 35.8
84 78.8 64.6 97.0



#32
1,1,1-Trichloroethane
Concen: 50.756 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 97 Resp: 148866
Ion Ratio Lower Upper
97 100
99 64.6 50.6 76.0
61 45.8 35.8 53.8

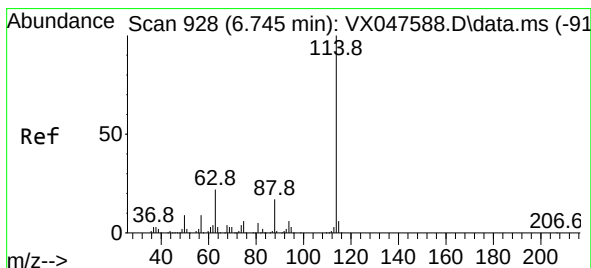
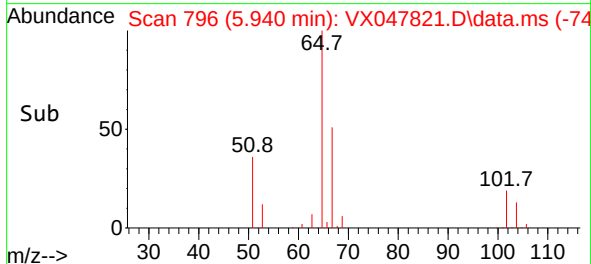
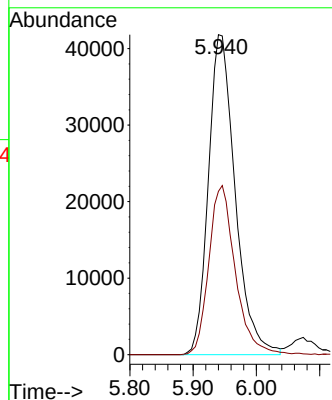
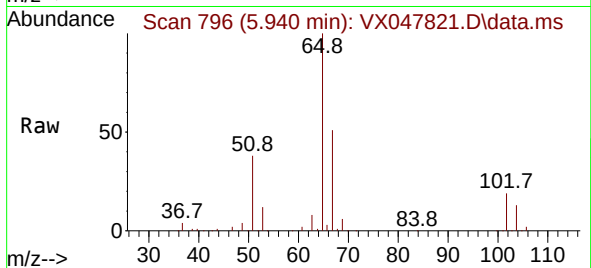




#33
1,2-Dichloroethane-d4
Concen: 57.011 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

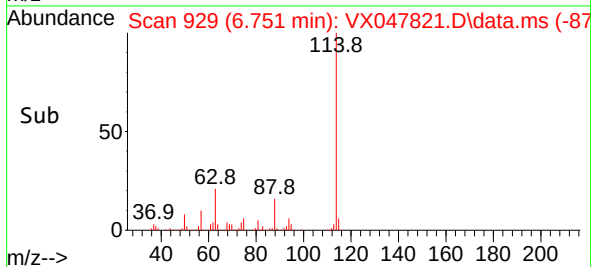
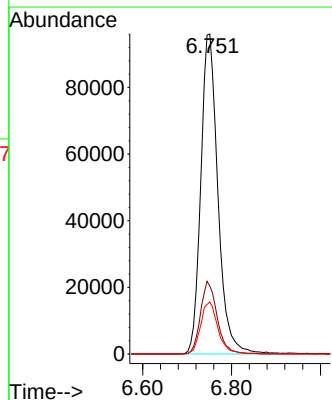
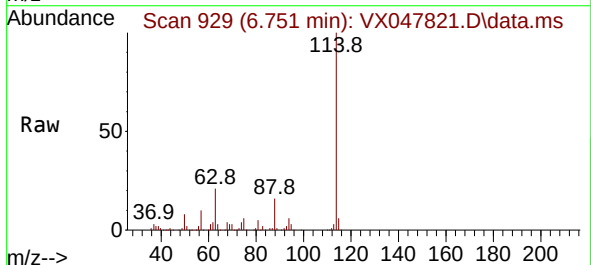
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

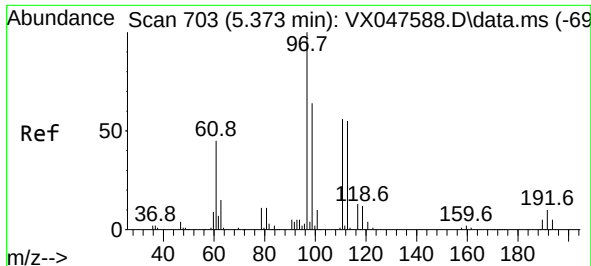
Tgt Ion: 65 Resp: 122958
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 114 Resp: 257414
Ion Ratio Lower Upper
114 100
63 21.2 0.0 44.0
88 16.3 0.0 34.2

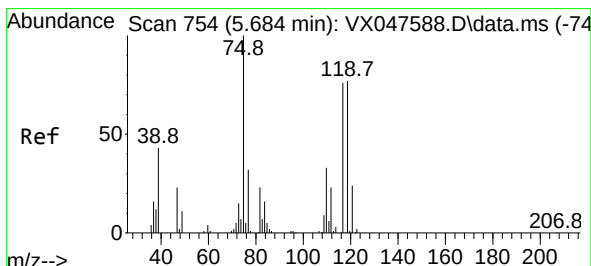
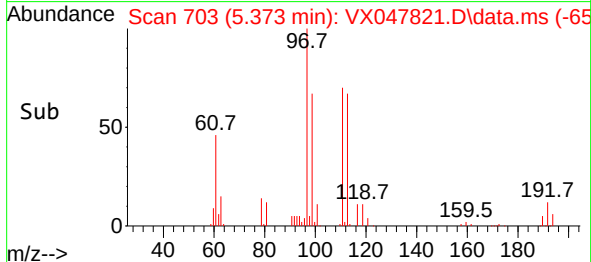
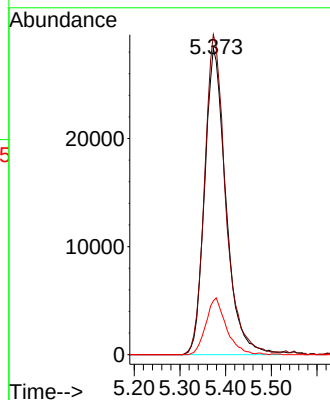
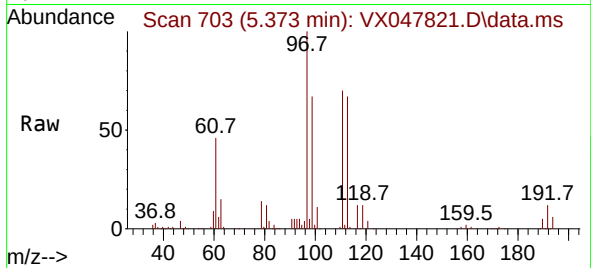




#35
Dibromofluoromethane
Concen: 53.228 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

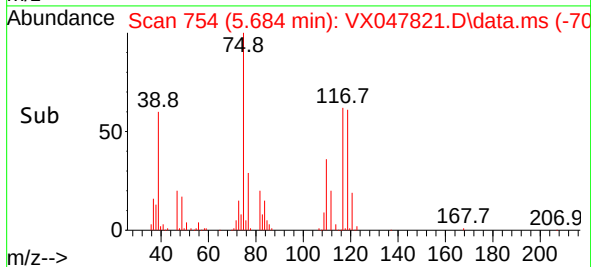
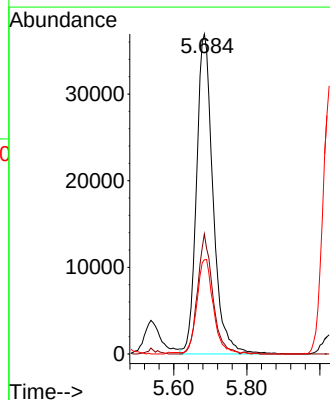
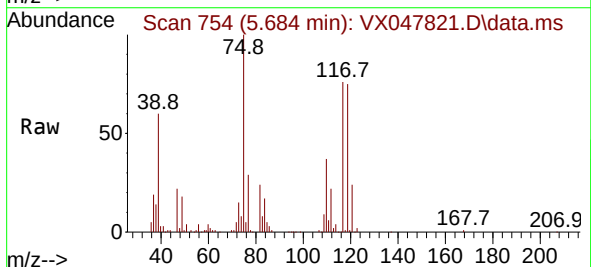
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

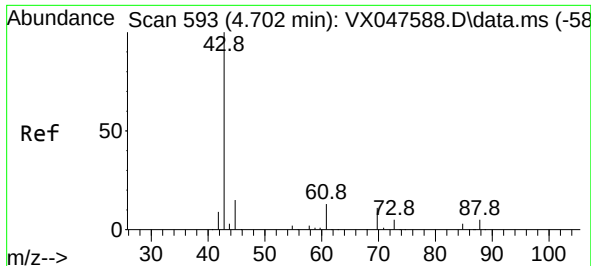
Tgt Ion:113 Resp: 91891
Ion Ratio Lower Upper
113 100
111 103.4 80.9 121.3
192 17.7 14.2 21.4



#36
1,1-Dichloropropene
Concen: 46.090 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 75 Resp: 116268
Ion Ratio Lower Upper
75 100
110 34.2 16.7 50.1
77 29.6 24.3 36.5





#37

Ethyl Acetate

Concen: 36.048 ug/l

RT: 4.702 min Scan# 593

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

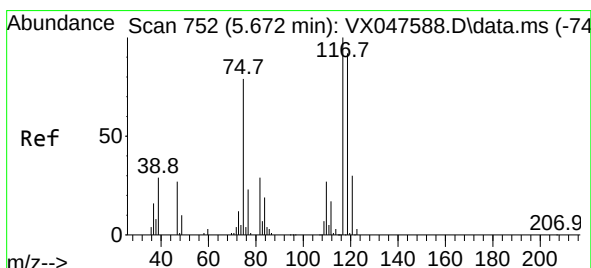
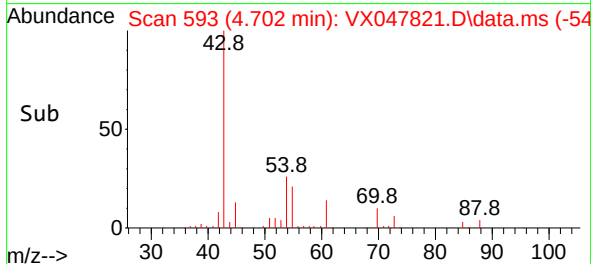
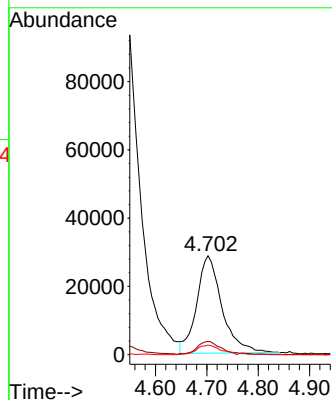
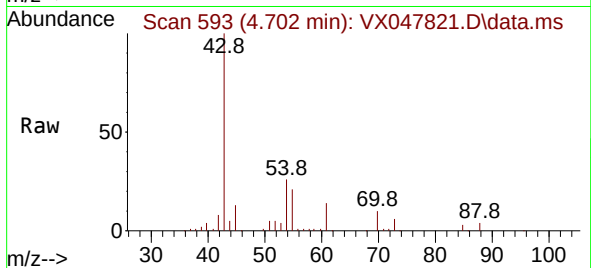
Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

Tgt Ion:	43	Resp:	97367
Ion Ratio	Lower	Upper	
43	100		
61	12.5	9.8	14.8
70	9.5	7.9	11.9



#38

Carbon Tetrachloride

Concen: 46.438 ug/l

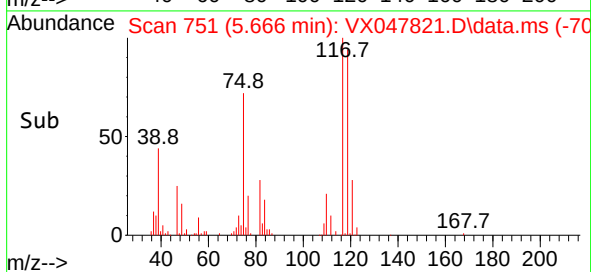
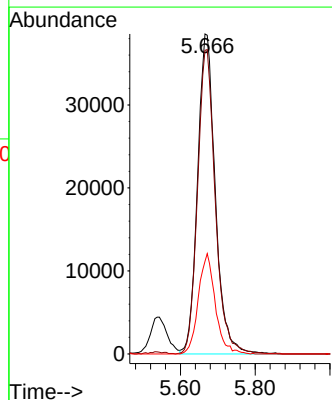
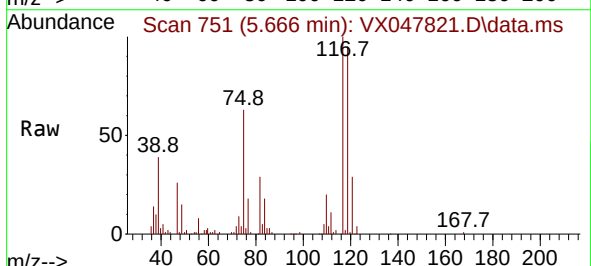
RT: 5.666 min Scan# 751

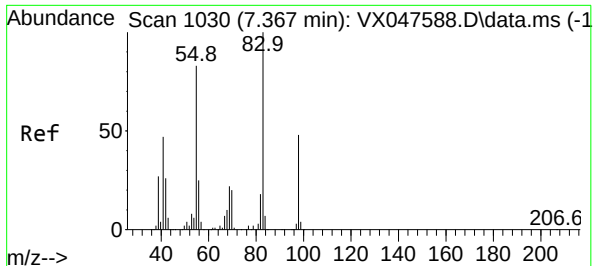
Delta R.T. -0.006 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Tgt Ion:	117	Resp:	127279
Ion Ratio	Lower	Upper	
117	100		
119	94.7	73.4	110.2
121	29.0	23.8	35.6





#39

Methylcyclohexane

Concen: 40.368 ug/l

RT: 7.367 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

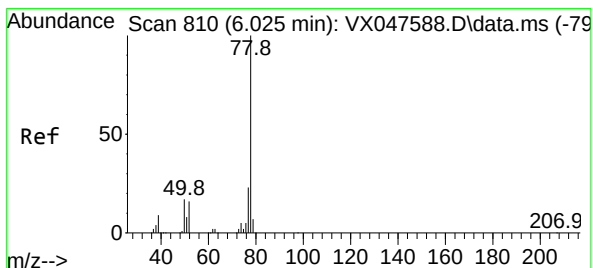
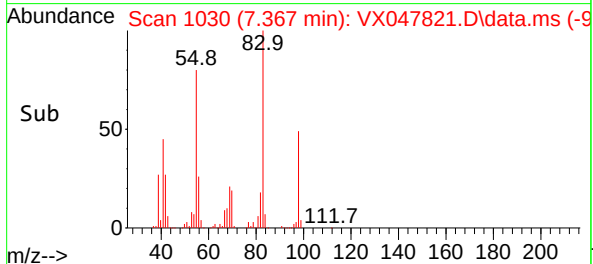
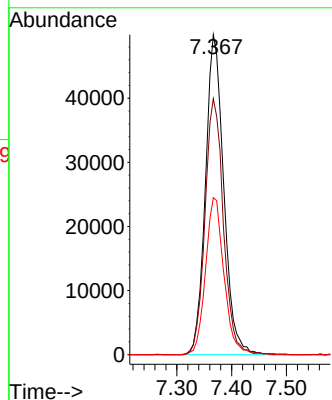
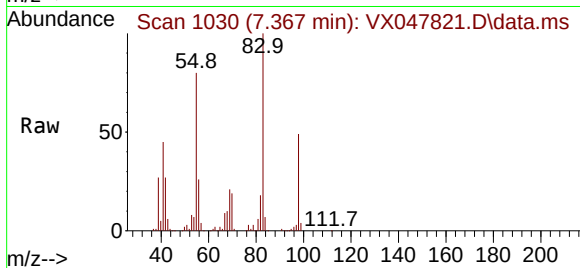
Tgt Ion: 83 Resp: 115594

Ion Ratio Lower Upper

83 100

55 80.0 66.4 99.6

98 49.1 38.1 57.1



#40

Benzene

Concen: 49.704 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX047821.D

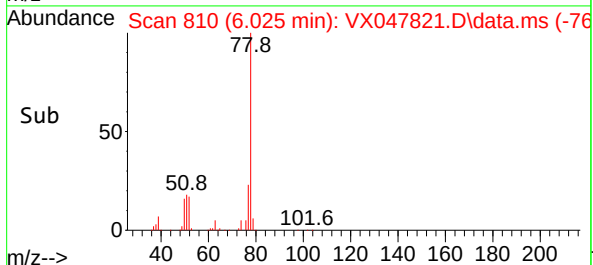
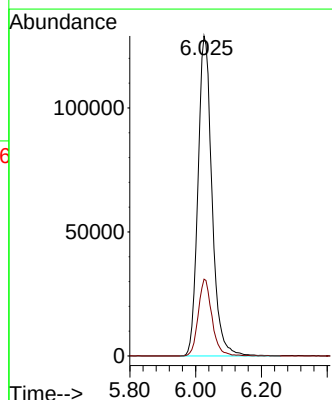
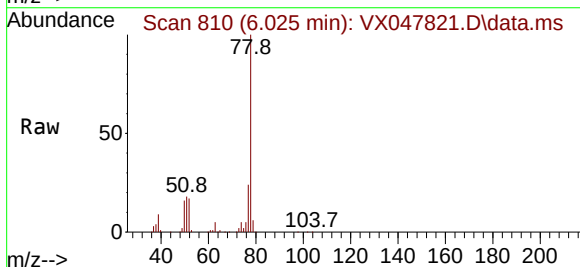
Acq: 25 Sep 2025 18:27

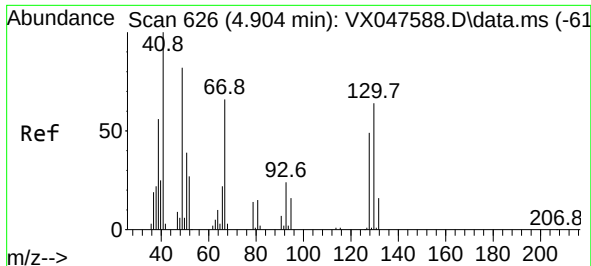
Tgt Ion: 78 Resp: 380825

Ion Ratio Lower Upper

78 100

77 24.0 18.8 28.2

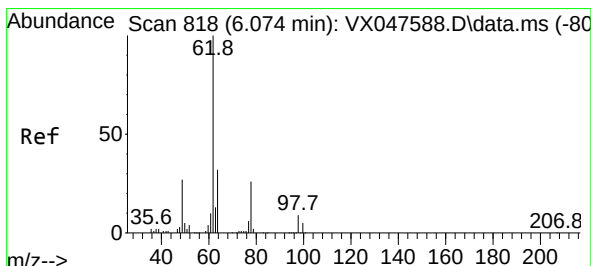
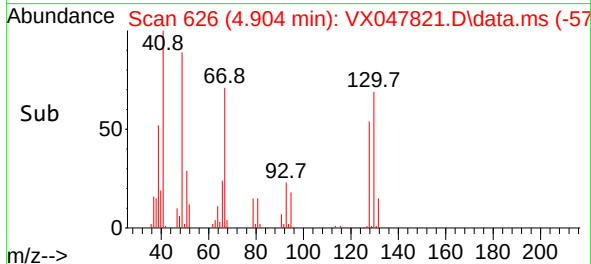
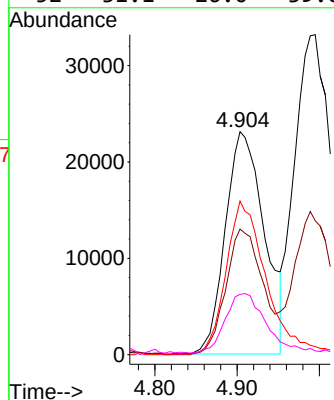
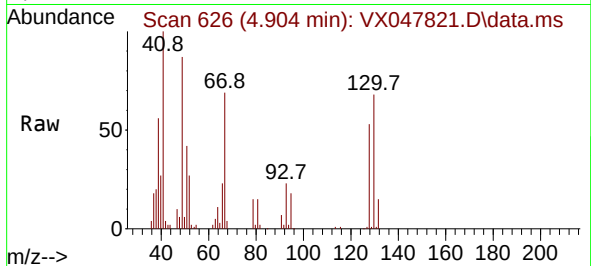




#41
Methacrylonitrile
Concen: 54.471 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

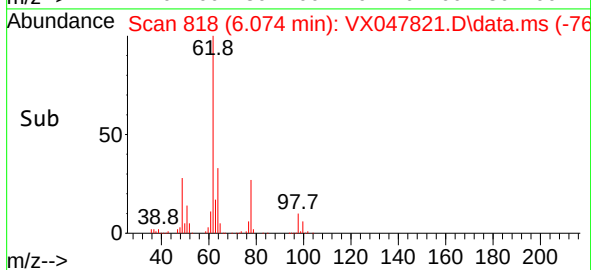
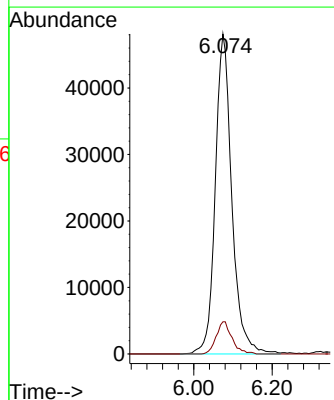
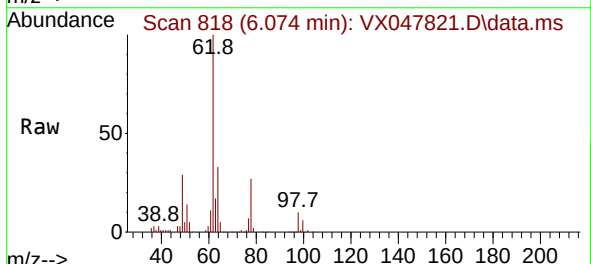
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

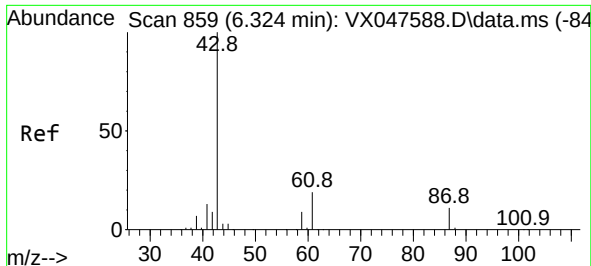
Tgt Ion:	41	Resp:	75954
Ion	Ratio	Lower	Upper
41	100		
39	53.0	43.3	64.9
67	71.4	58.6	87.8
52	31.1	26.0	39.0



#42
1,2-Dichloroethane
Concen: 48.378 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion:	62	Resp:	141033
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	17.0

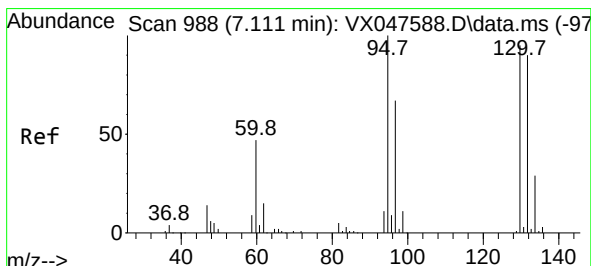
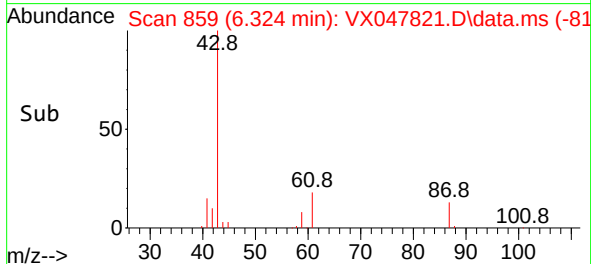
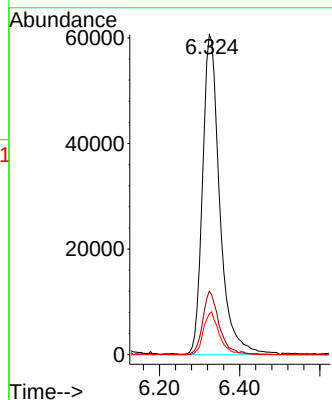
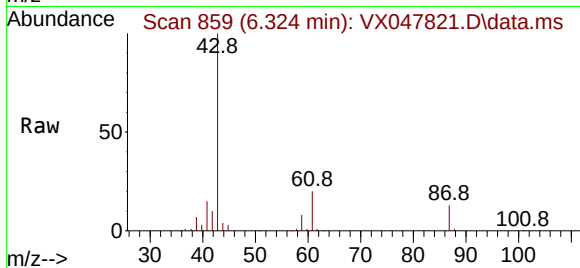




#43
Isopropyl Acetate
Concen: 40.830 ug/l
RT: 6.324 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

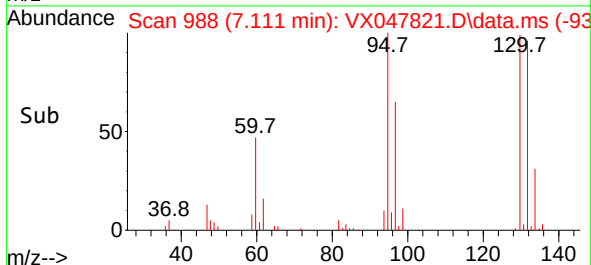
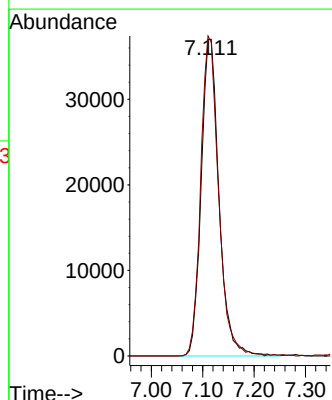
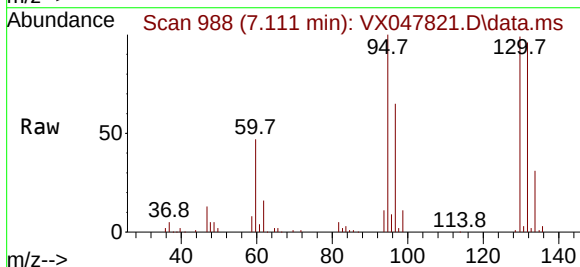
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

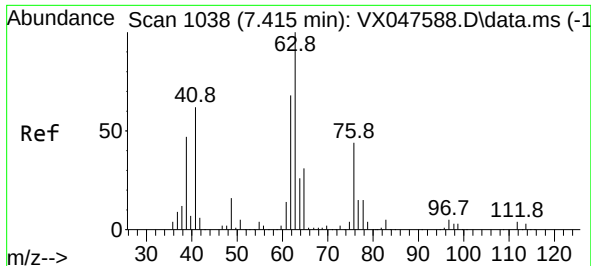
Tgt Ion: 43 Resp: 180870
Ion Ratio Lower Upper
43 100
61 19.0 15.2 22.8
87 12.4 9.6 14.4



#44
Trichloroethene
Concen: 48.166 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion:130 Resp: 89220
Ion Ratio Lower Upper
130 100
95 101.1 0.0 210.8

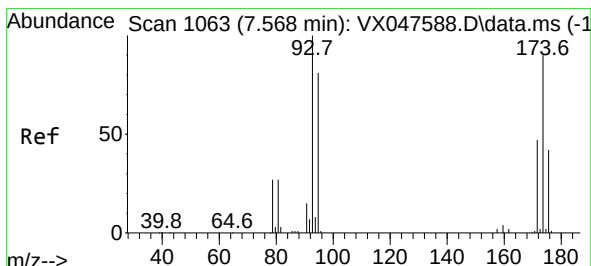
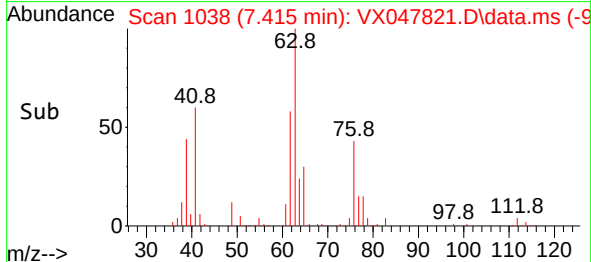
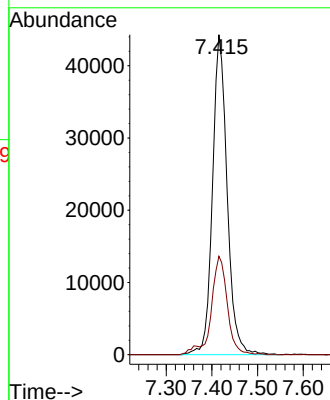
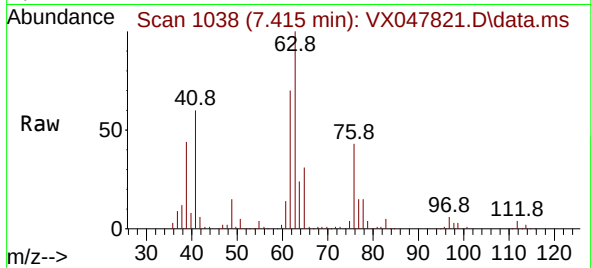




#45
1,2-Dichloropropane
Concen: 50.229 ug/l
RT: 7.415 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

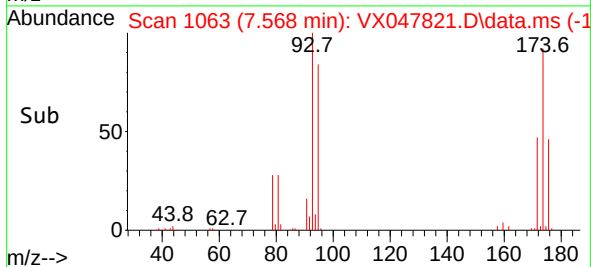
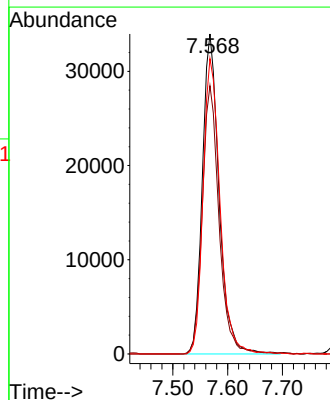
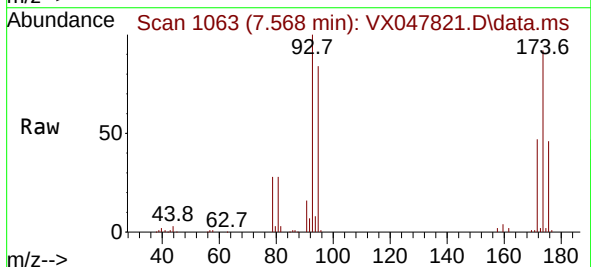
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

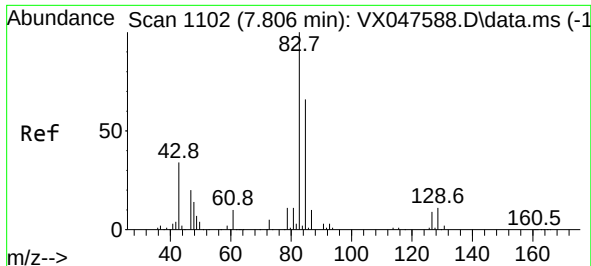
Tgt Ion: 63 Resp: 98545
Ion Ratio Lower Upper
63 100
65 30.8 24.7 37.1



#46
Dibromomethane
Concen: 50.231 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 93 Resp: 71714
Ion Ratio Lower Upper
93 100
95 83.8 65.0 97.6
174 93.1 71.6 107.4

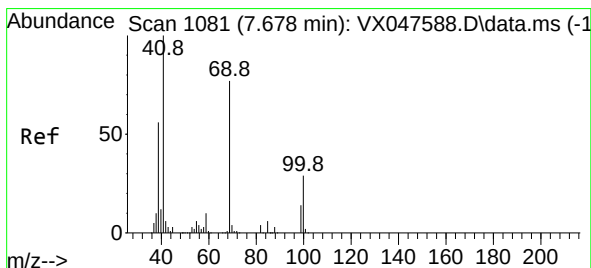
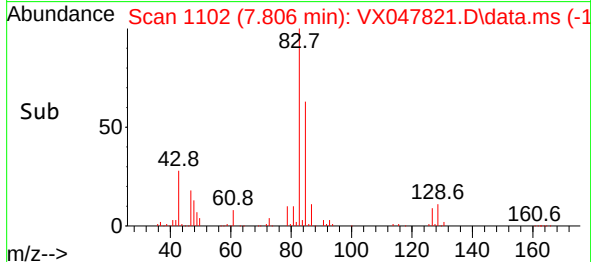
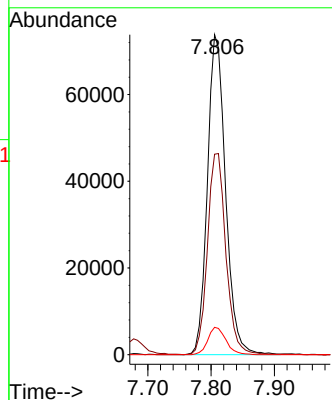
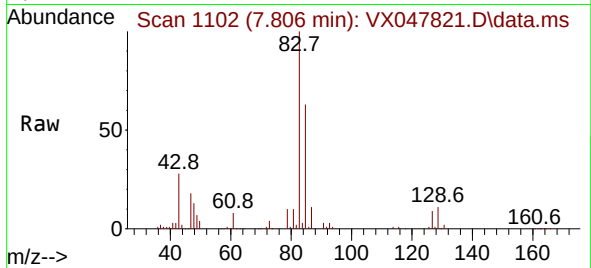




#47
Bromodichloromethane
Concen: 50.043 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

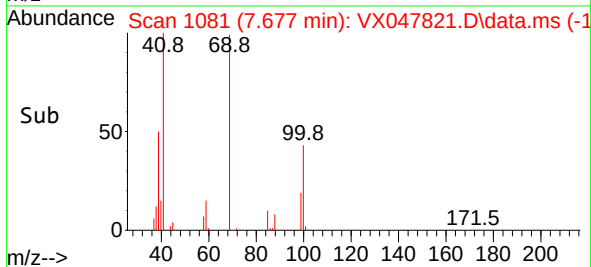
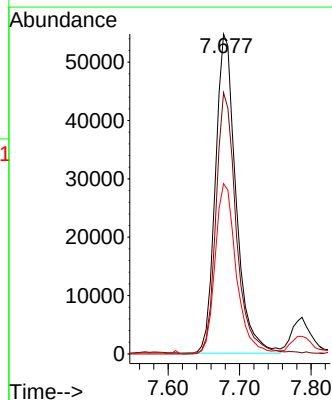
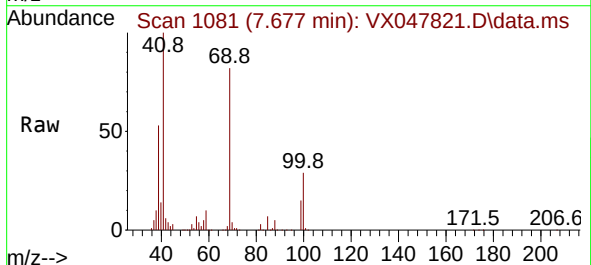
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

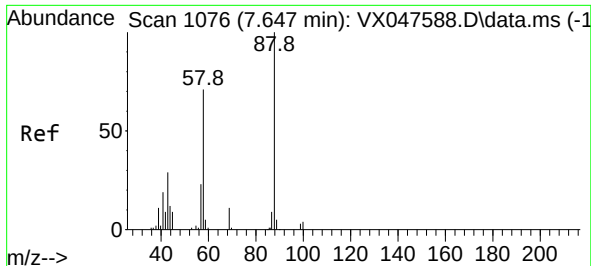
Tgt Ion: 83 Resp: 147433
Ion Ratio Lower Upper
83 100
85 62.6 52.5 78.7
127 8.6 6.9 10.3



#48
Methyl methacrylate
Concen: 49.636 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 41 Resp: 109524
Ion Ratio Lower Upper
41 100
69 80.3 61.4 92.2
39 54.7 45.8 68.6





#49

1,4-Dioxane

Concen: 1240.210 ug/l

RT: 7.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047821.D

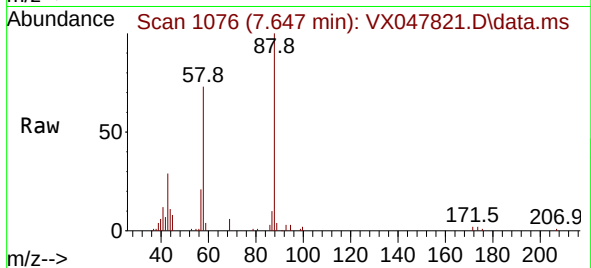
Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS



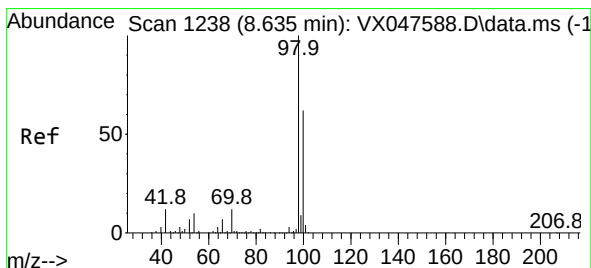
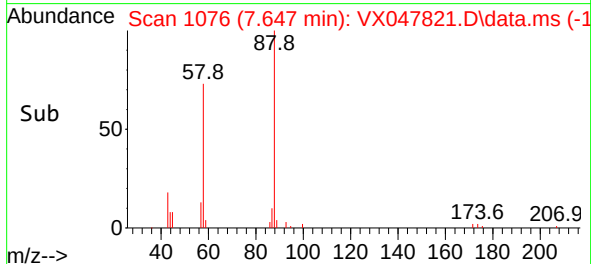
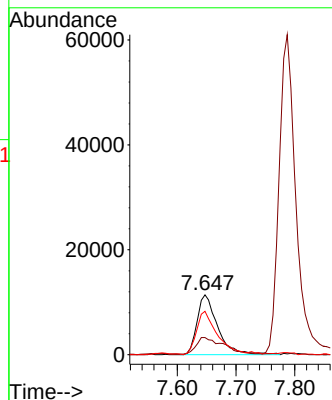
Tgt Ion: 88 Resp: 27656

Ion Ratio Lower Upper

88 100

43 36.9 30.2 45.2

58 72.9 59.5 89.3



#50

Toluene-d8

Concen: 50.655 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047821.D

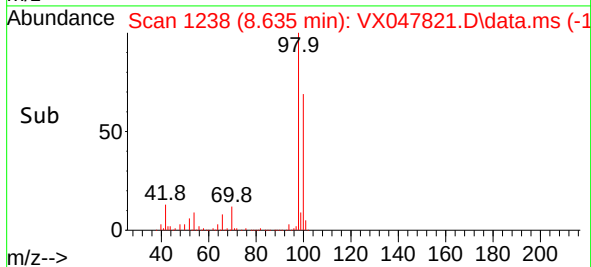
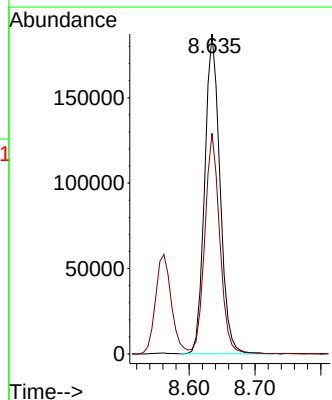
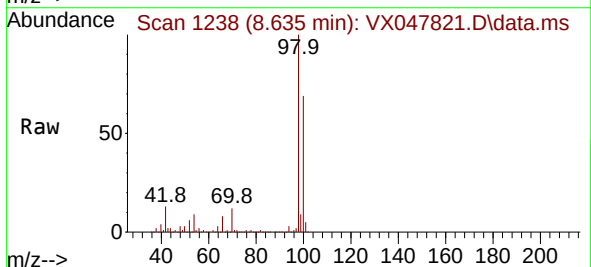
Acq: 25 Sep 2025 18:27

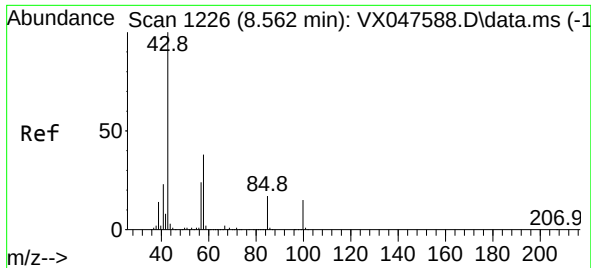
Tgt Ion: 98 Resp: 302587

Ion Ratio Lower Upper

98 100

100 67.4 53.0 79.4

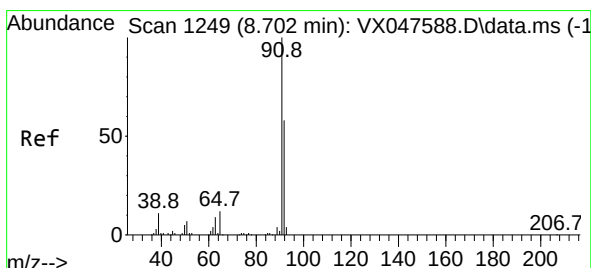
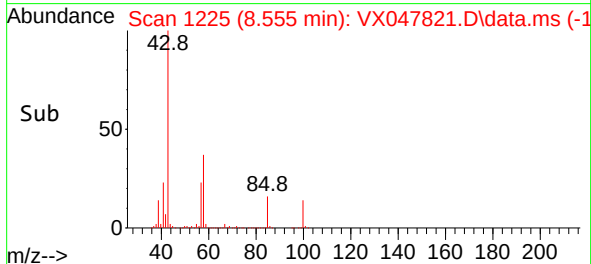
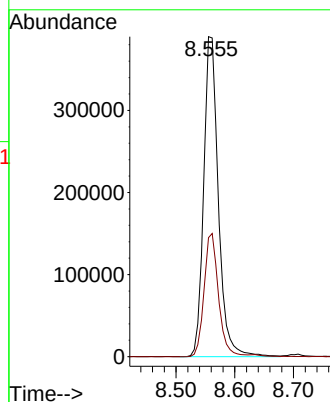
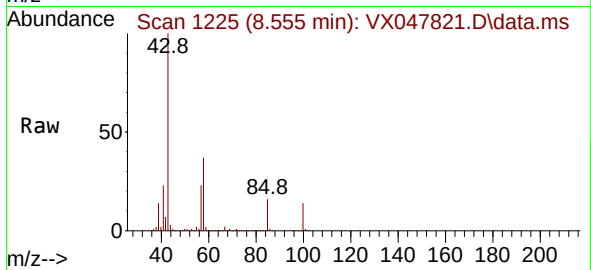




#51
4-Methyl-2-Pentanone
Concen: 276.211 ug/l
RT: 8.555 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

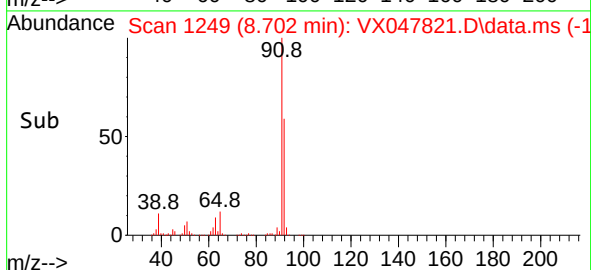
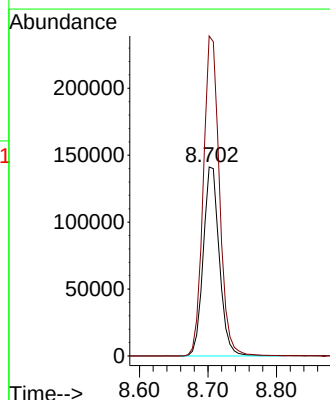
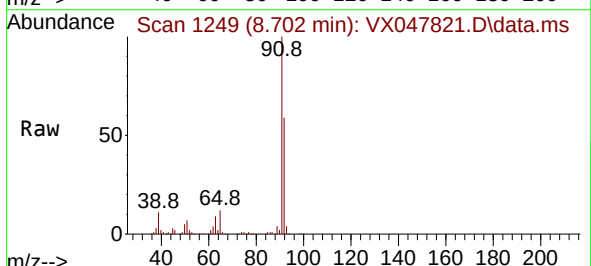
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

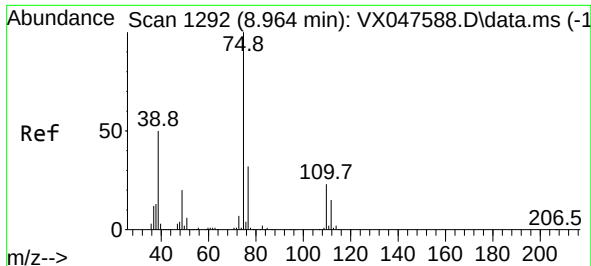
Tgt Ion: 43 Resp: 678398
Ion Ratio Lower Upper
43 100
58 37.9 30.3 45.5



#52
Toluene
Concen: 48.930 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 92 Resp: 230973
Ion Ratio Lower Upper
92 100
91 170.1 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 40.672 ug/l

RT: 8.964 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

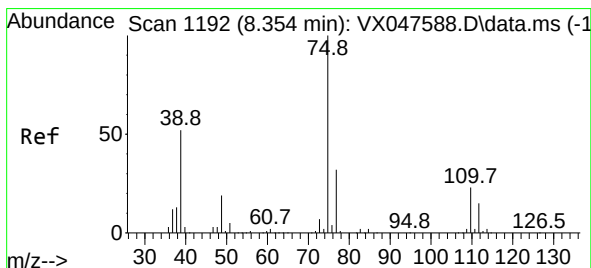
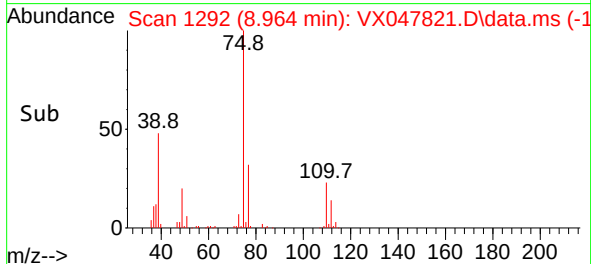
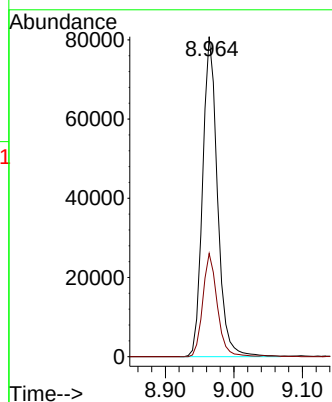
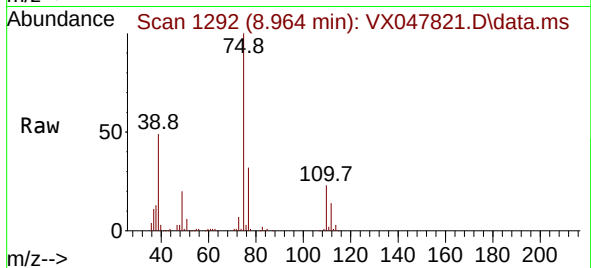
BP-VPB-184-GW-320-322MS

Tgt Ion: 75 Resp: 122223

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 40.987 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

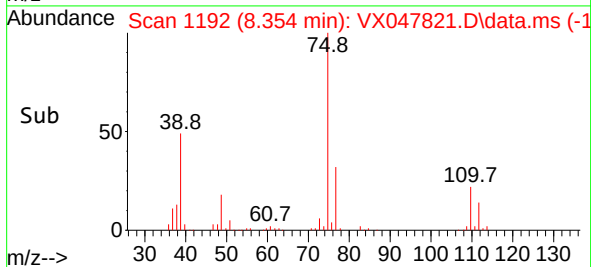
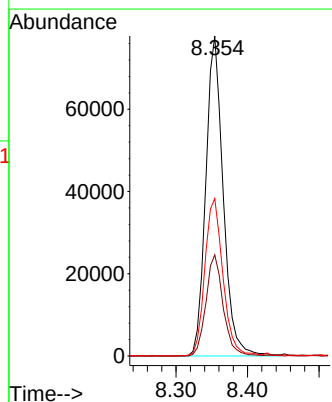
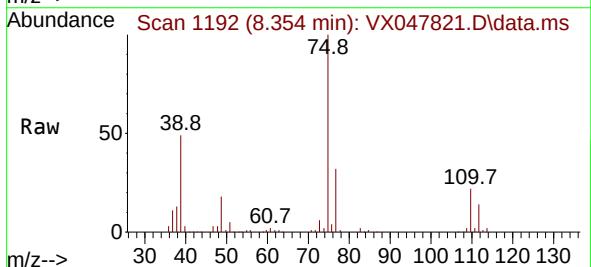
Tgt Ion: 75 Resp: 131647

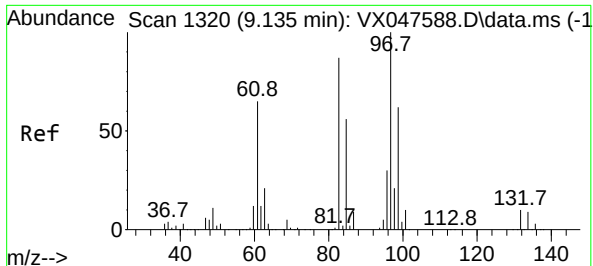
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

39 48.4 41.4 62.2

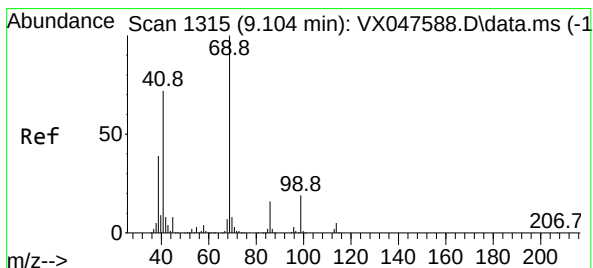
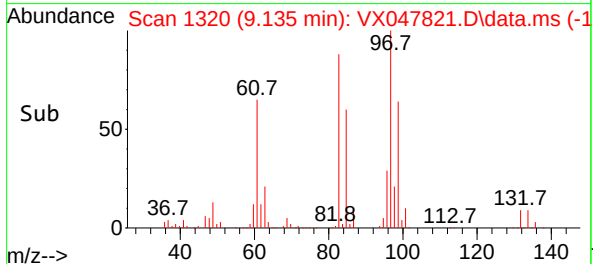
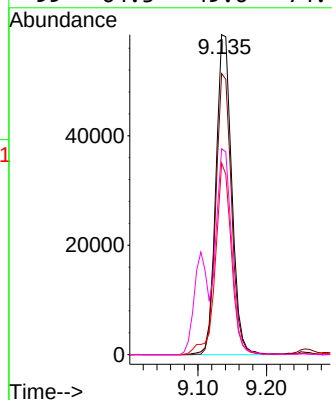
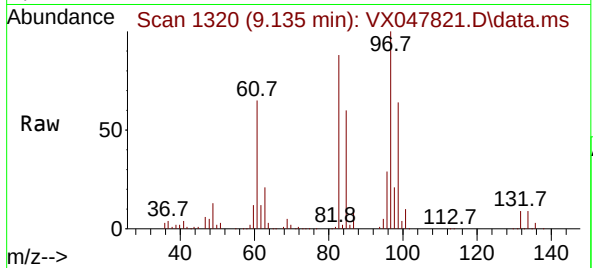




#55
1,1,2-Trichloroethane
Concen: 51.493 ug/l
RT: 9.135 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

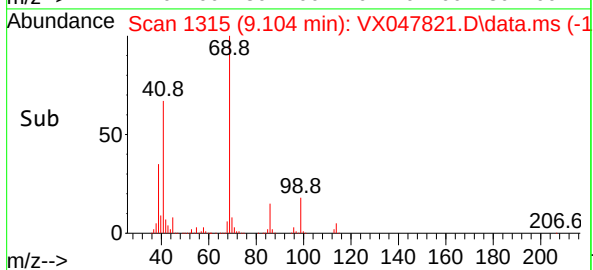
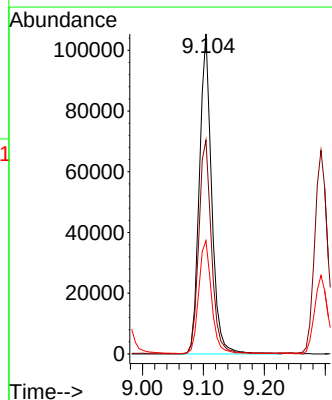
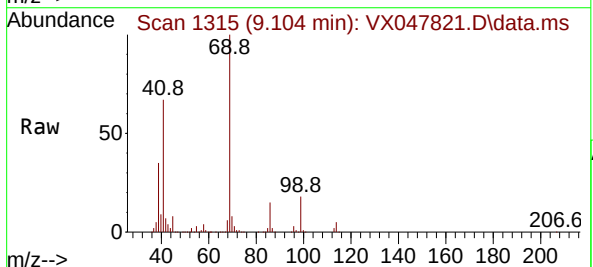
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

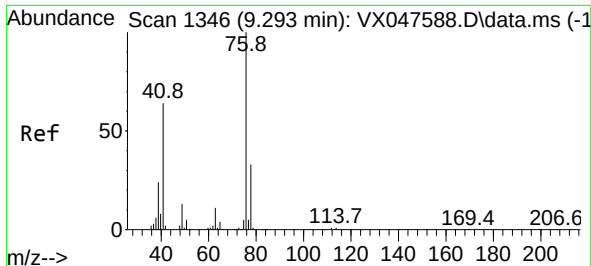
Tgt Ion:	97	Resp:	93726
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.6	104.4
85	59.7	45.0	67.6
99	64.3	49.6	74.4



#56
Ethyl methacrylate
Concen: 51.689 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion:	69	Resp:	147754
Ion	Ratio	Lower	Upper
69	100		
41	68.9	58.6	87.8
39	36.6	31.5	47.3





#57

1,3-Dichloropropane

Concen: 52.323 ug/l

RT: 9.293 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

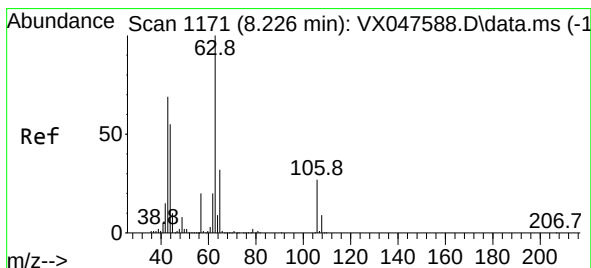
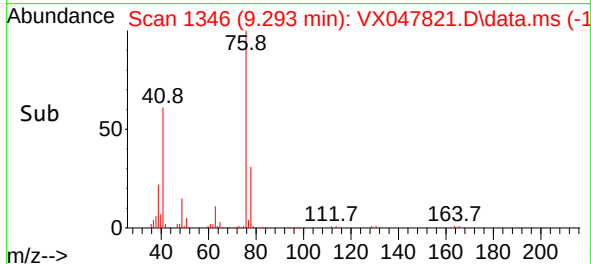
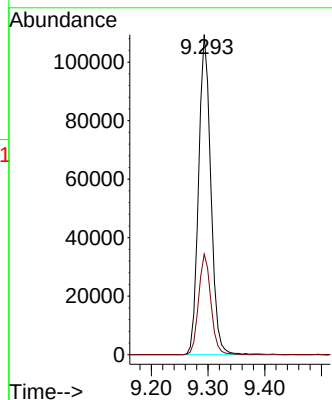
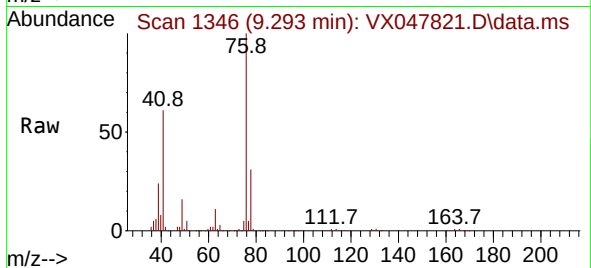
BP-VPB-184-GW-320-322MS

Tgt Ion: 76 Resp: 163602

Ion Ratio Lower Upper

76 100

78 31.5 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 7.957 ug/l

RT: 8.159 min Scan# 1160

Delta R.T. -0.067 min

Lab File: VX047821.D

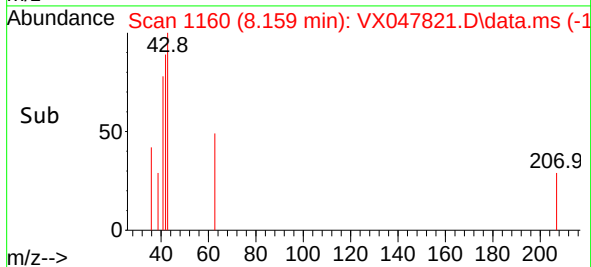
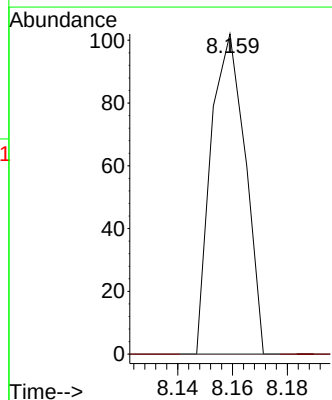
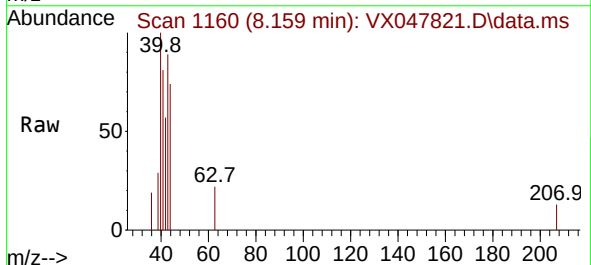
Acq: 25 Sep 2025 18:27

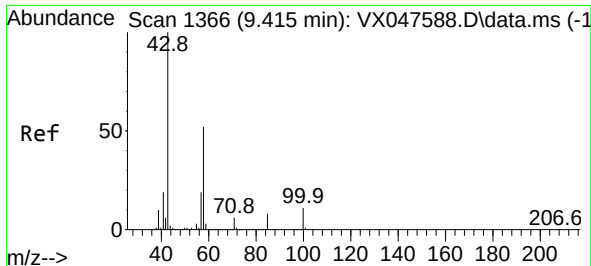
Tgt Ion: 63 Resp: 88

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#

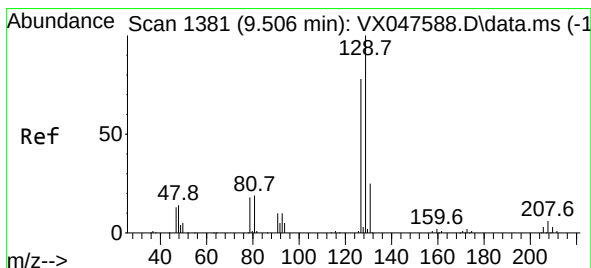
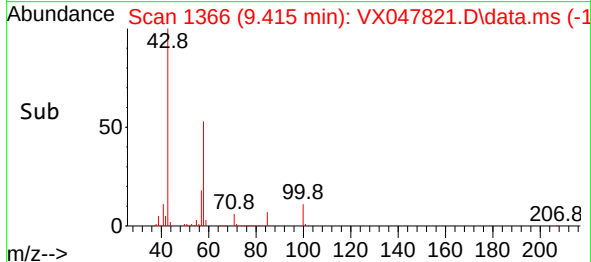
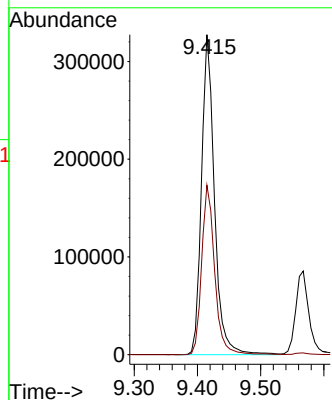
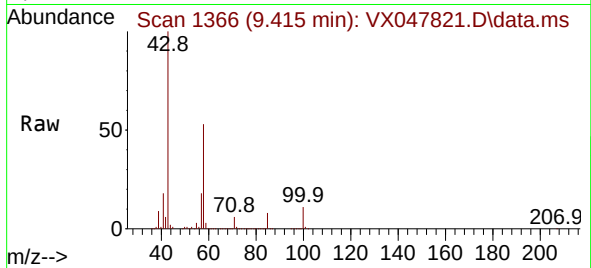




#59
2-Hexanone
Concen: 264.631 ug/l
RT: 9.415 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

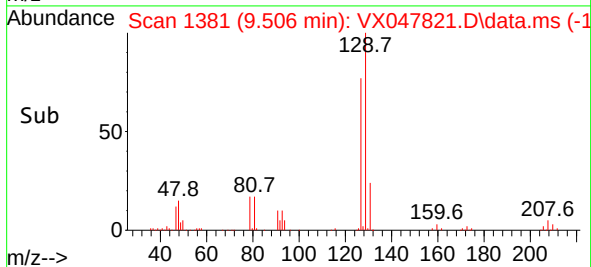
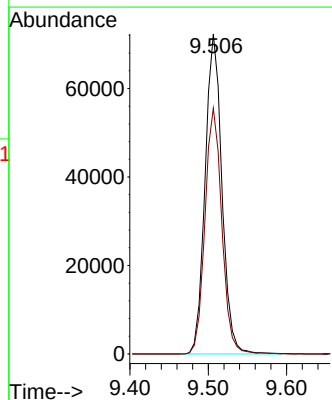
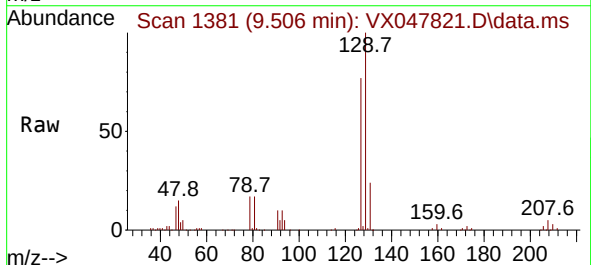
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

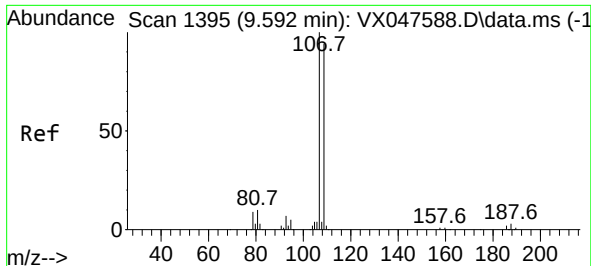
Tgt Ion: 43 Resp: 466801
Ion Ratio Lower Upper
43 100
58 53.4 26.1 78.2



#60
Dibromochloromethane
Concen: 51.259 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 129 Resp: 107503
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.2

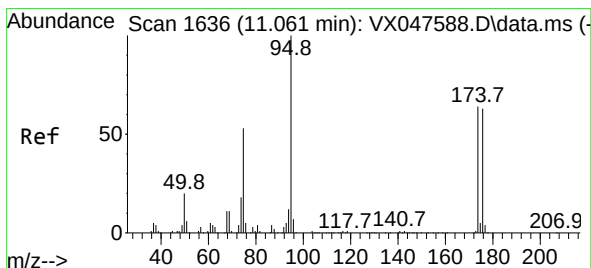
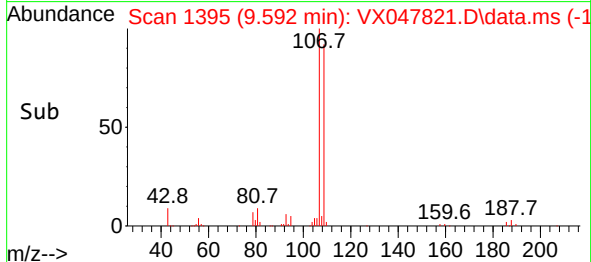
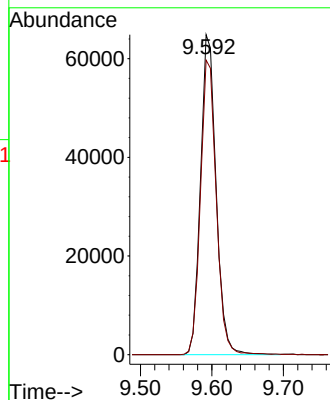
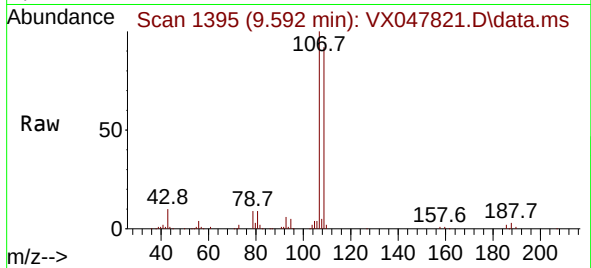




#61
1,2-Dibromoethane
Concen: 53.001 ug/l
RT: 9.592 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

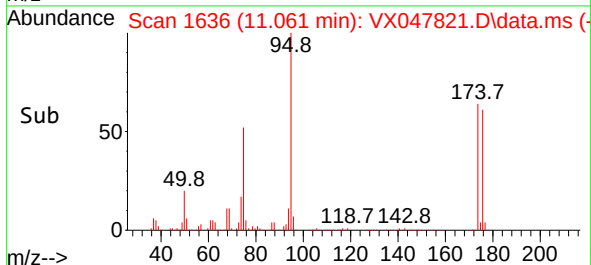
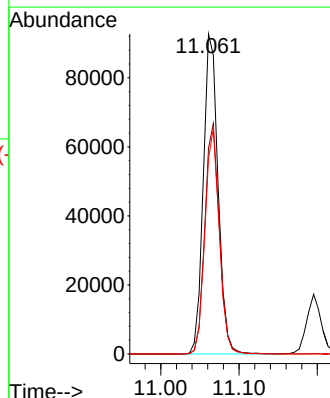
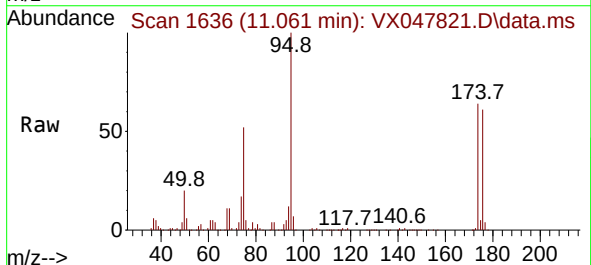
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

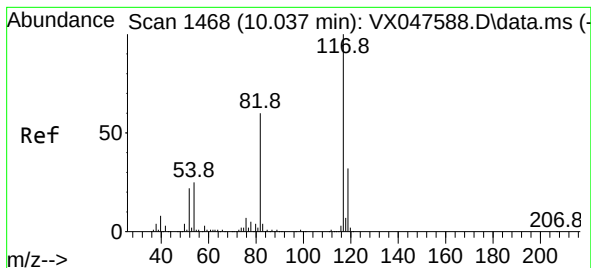
Tgt Ion:107 Resp: 98261
Ion Ratio Lower Upper
107 100
109 93.3 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 53.298 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 95 Resp: 120831
Ion Ratio Lower Upper
95 100
174 71.3 0.0 141.6
176 68.5 0.0 138.4

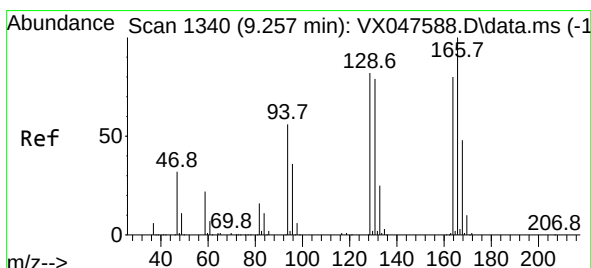
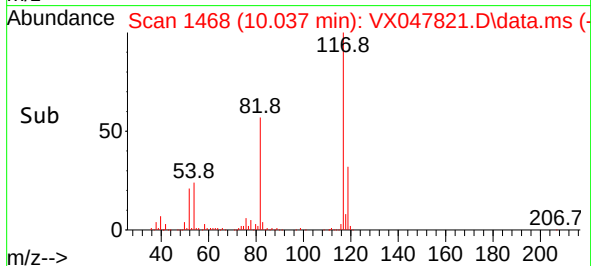
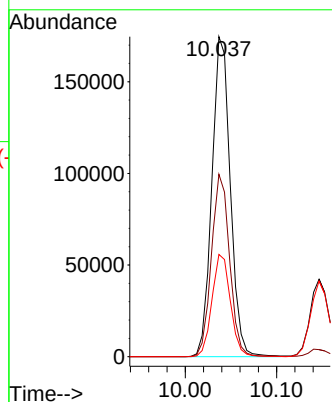
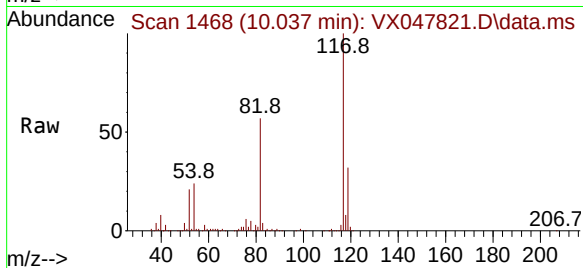




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

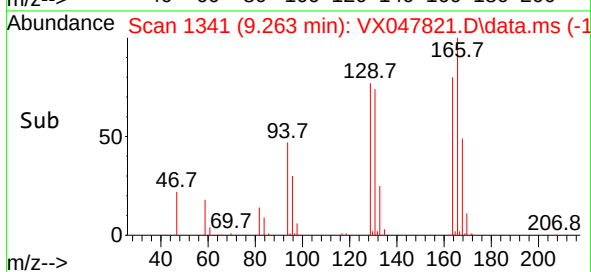
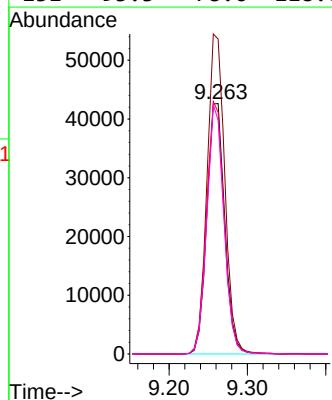
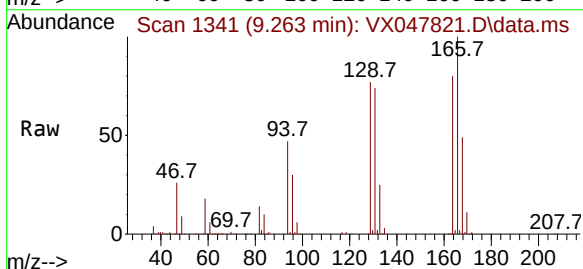
Instrument : MSVOA_X
ClientSampleId : BP-VPB-184-GW-320-322MS

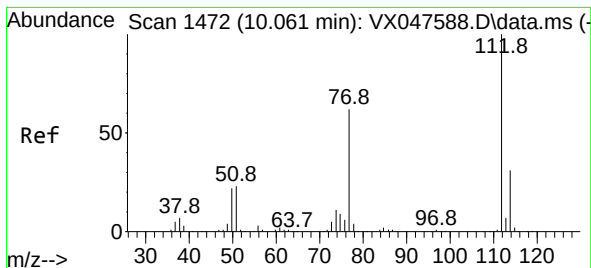
Tgt Ion:	117	Resp:	243581
Ion	Ratio	Lower	Upper
117	100		
82	57.0	47.8	71.6
119	31.9	25.2	37.8



#64
Tetrachloroethene
Concen: 42.420 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion:	164	Resp:	67359
Ion	Ratio	Lower	Upper
164	100		
166	125.7	100.2	150.2
129	96.5	81.8	122.6
131	93.3	78.6	118.0





#65

Chlorobenzene

Concen: 45.663 ug/l

RT: 10.061 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

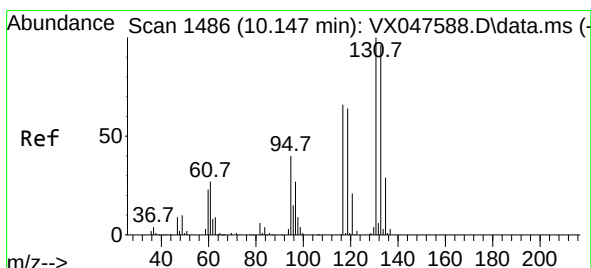
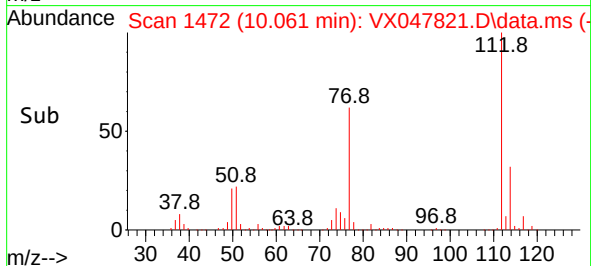
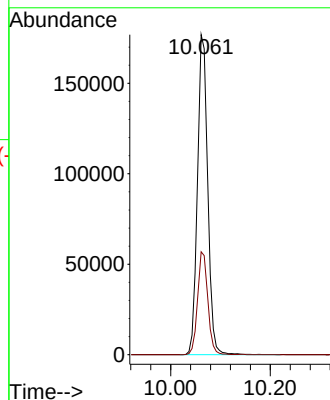
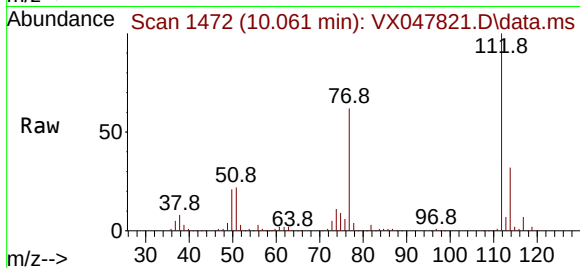
BP-VPB-184-GW-320-322MS

Tgt Ion:112 Resp: 252686

Ion Ratio Lower Upper

112 100

114 32.2 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 47.007 ug/l

RT: 10.147 min Scan# 1486

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

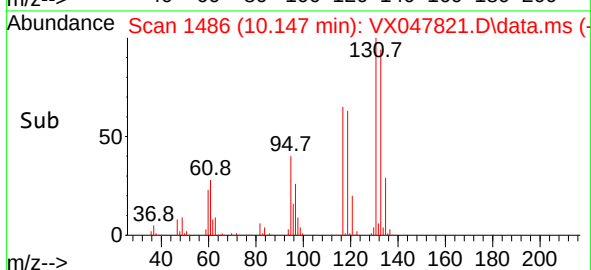
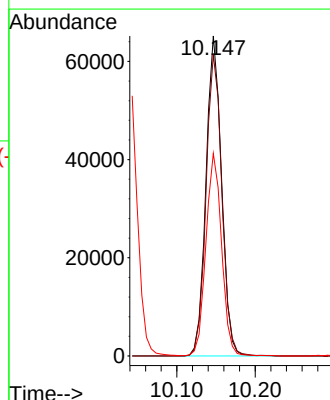
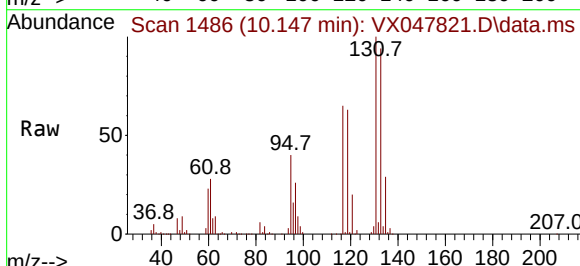
Tgt Ion:131 Resp: 89761

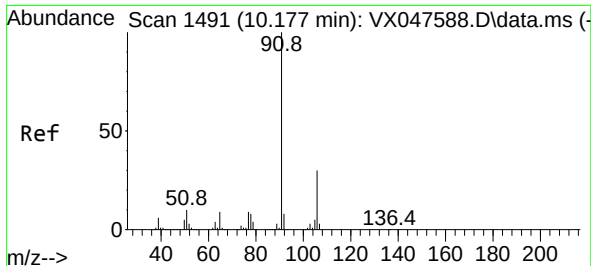
Ion Ratio Lower Upper

131 100

133 95.7 47.3 142.0

119 63.9 32.0 96.0

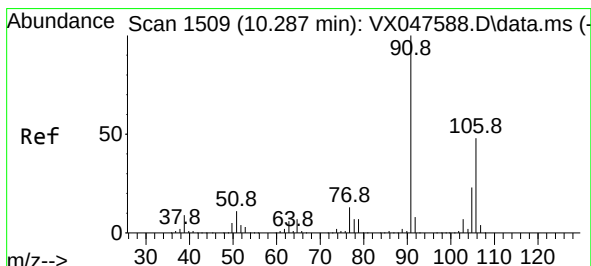
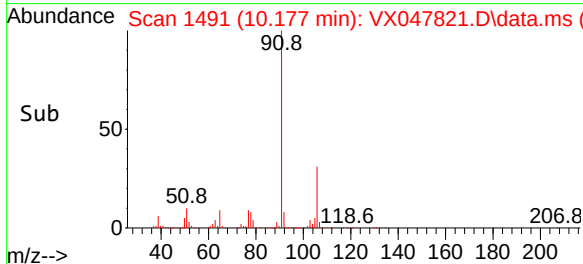
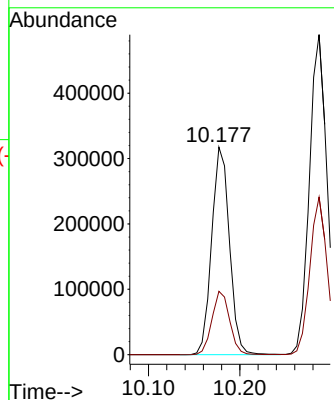
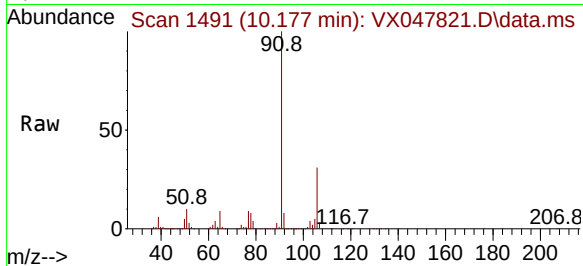




#67
Ethyl Benzene
Concen: 44.879 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

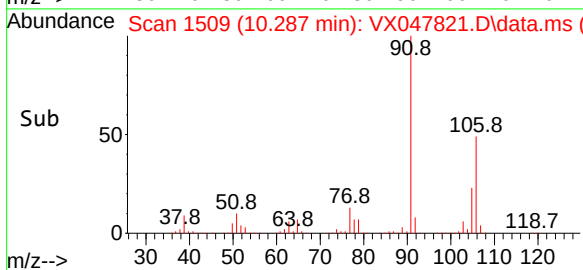
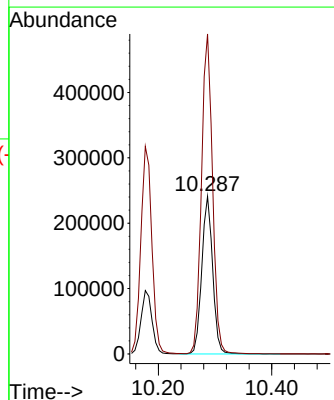
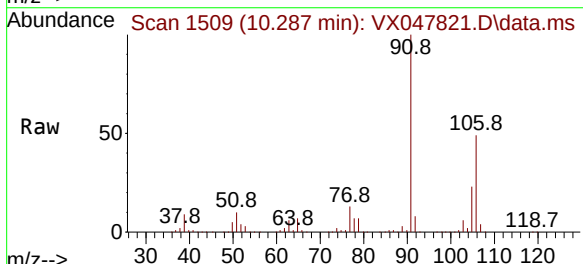
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

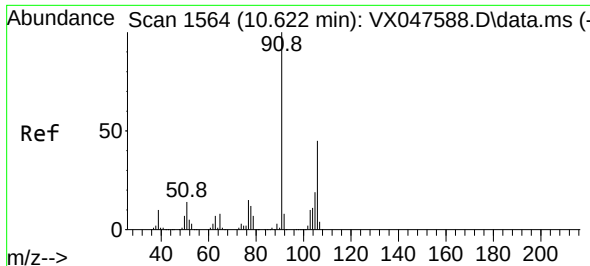
Tgt Ion: 91 Resp: 428505
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5



#68
m/p-Xylenes
Concen: 90.470 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 106 Resp: 321516
Ion Ratio Lower Upper
106 100
91 206.0 167.8 251.8

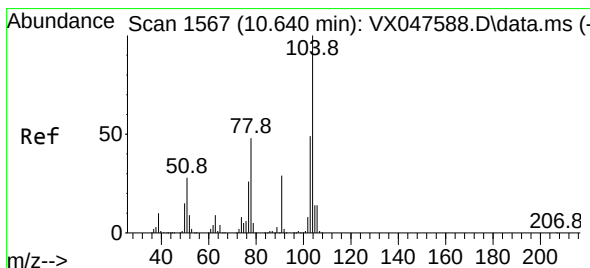
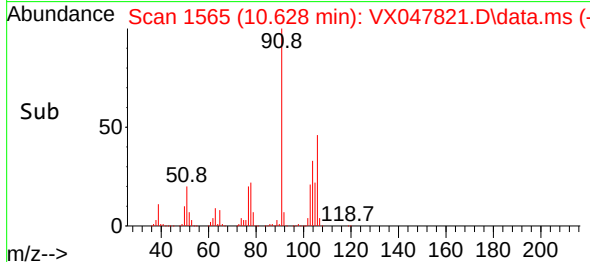
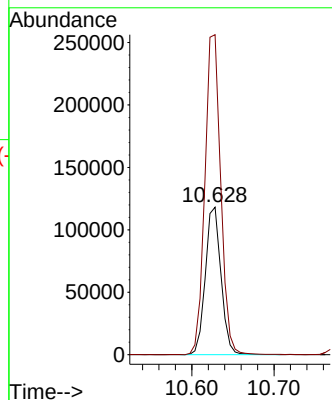
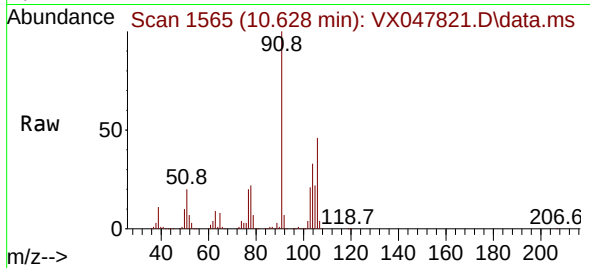




#69
o-Xylene
Concen: 45.513 ug/l
RT: 10.628 min Scan# 1564
Delta R.T. 0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

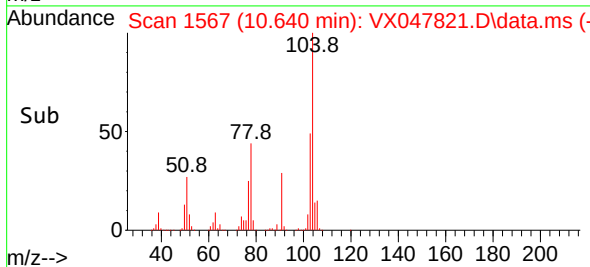
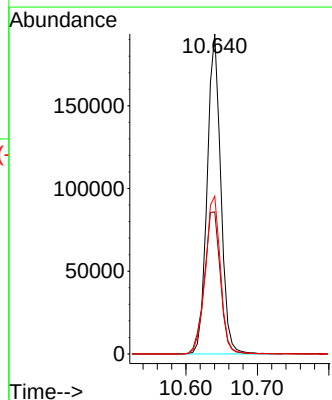
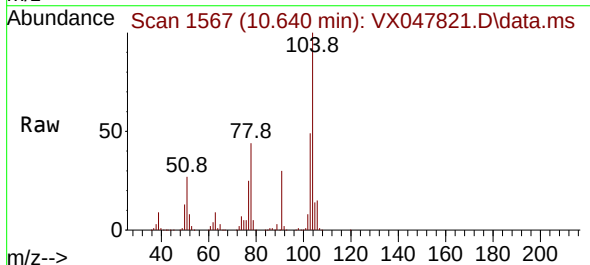
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

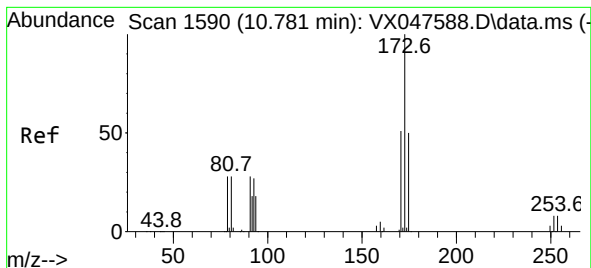
Tgt Ion:106 Resp: 156445
Ion Ratio Lower Upper
106 100
91 220.0 111.1 333.4



#70
Styrene
Concen: 42.517 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion:104 Resp: 256077
Ion Ratio Lower Upper
104 100
78 52.3 43.1 64.7
103 54.7 43.1 64.7





#71

Bromoform

Concen: 47.822 ug/l

RT: 10.787 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

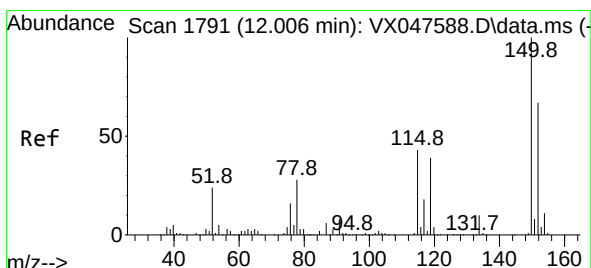
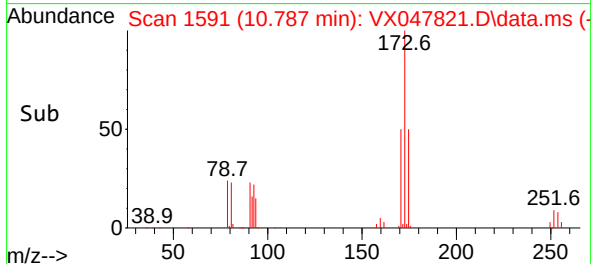
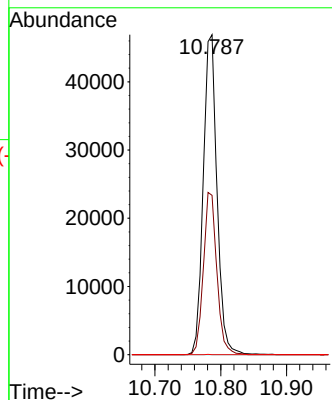
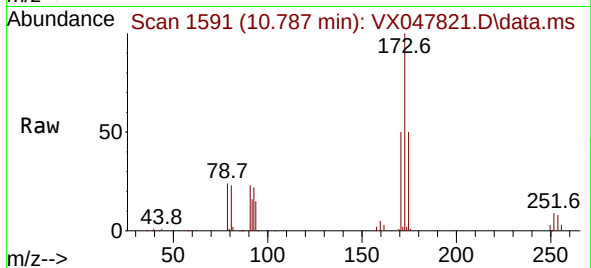
Tgt Ion:173 Resp: 68186

Ion Ratio Lower Upper

173 100

175 49.5 24.9 74.6

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

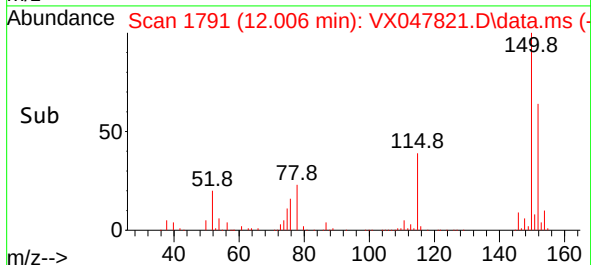
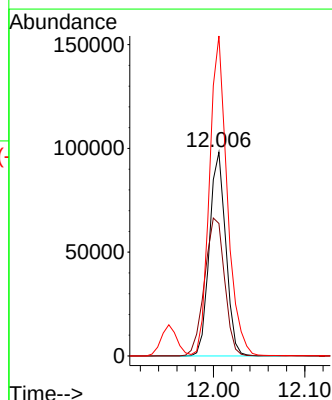
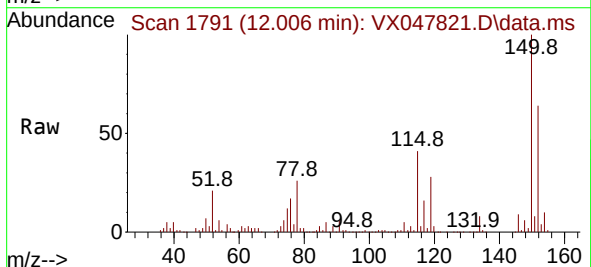
Tgt Ion:152 Resp: 121955

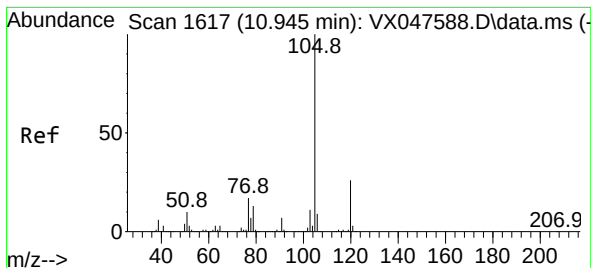
Ion Ratio Lower Upper

152 100

115 82.9 44.9 134.5

150 170.2 0.0 352.0





#73

Isopropylbenzene

Concen: 42.335 ug/l

RT: 10.945 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

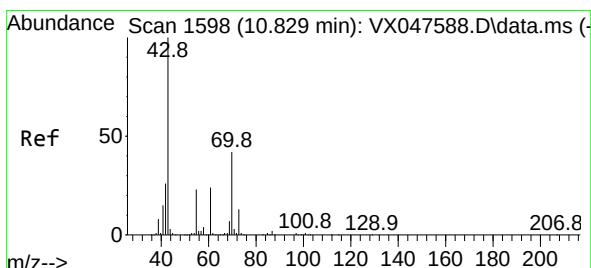
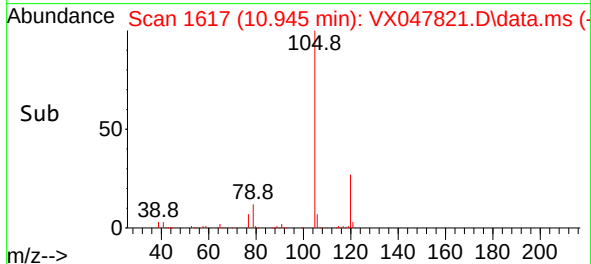
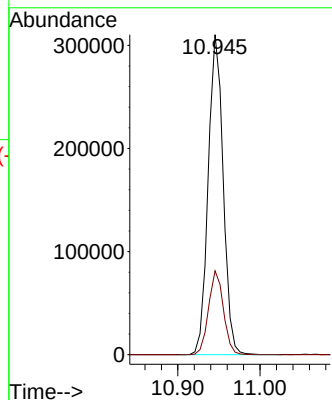
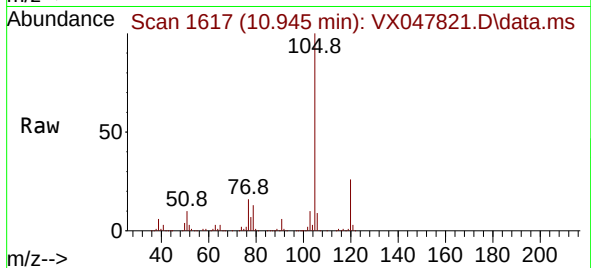
BP-VPB-184-GW-320-322MS

Tgt Ion:105 Resp: 392521

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4



#74

N-ethyl acetate

Concen: 31.160 ug/l

RT: 10.829 min Scan# 1598

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Tgt Ion: 43 Resp: 131747

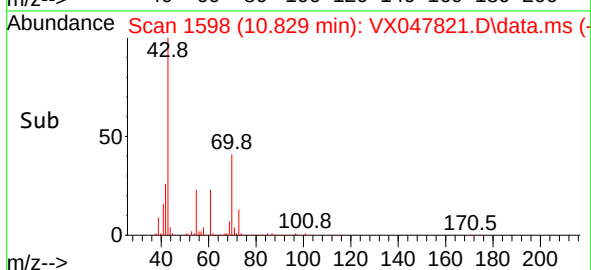
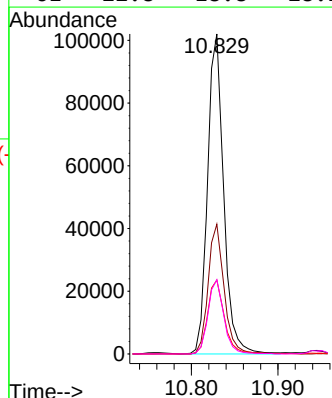
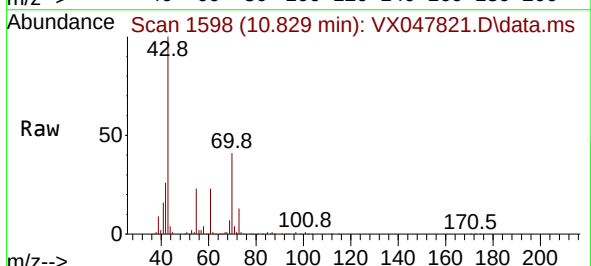
Ion Ratio Lower Upper

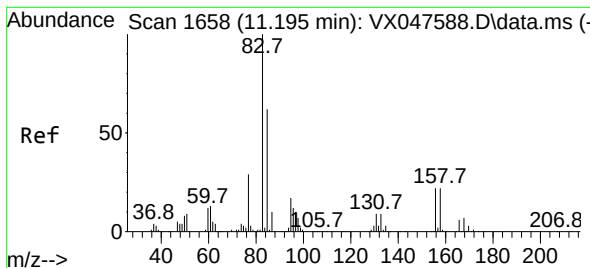
43 100

70 40.4 32.0 48.0

55 24.2 18.9 28.3

61 22.8 18.8 28.2

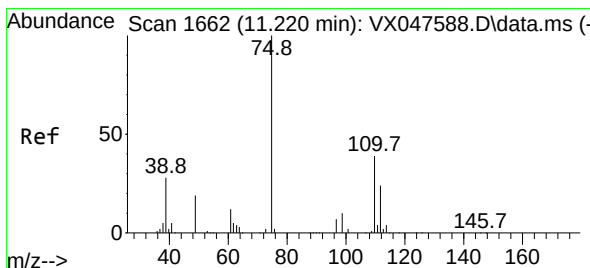
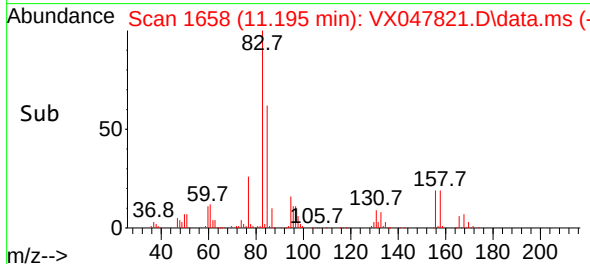
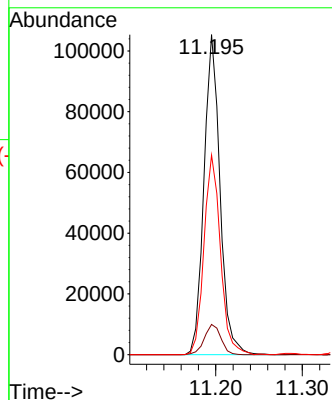
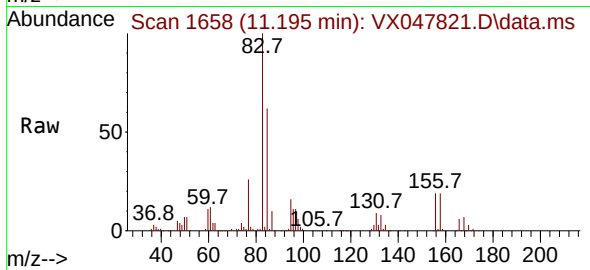




#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.282 ug/l
 RT: 11.195 min Scan# 1658
 Delta R.T. -0.000 min
 Lab File: VX047821.D
 Acq: 25 Sep 2025 18:27

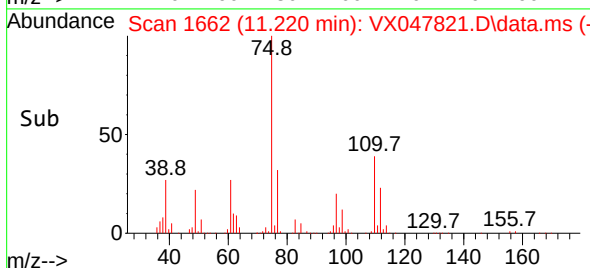
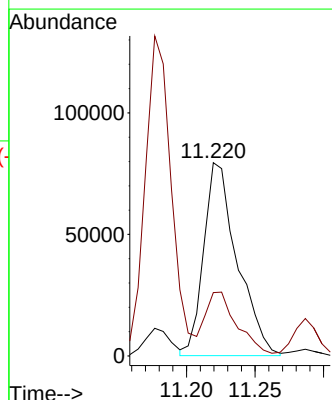
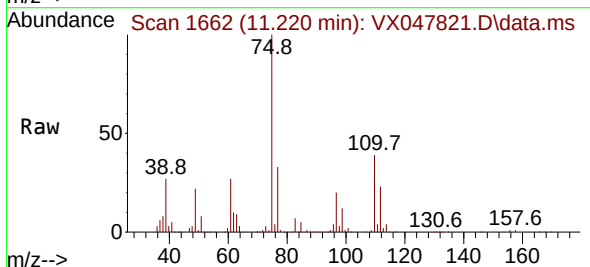
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-320-322MS

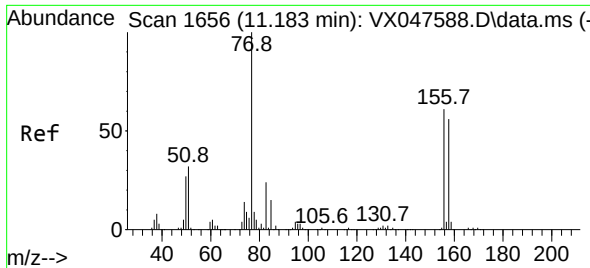
Tgt Ion: 83 Resp: 135441
 Ion Ratio Lower Upper
 83 100
 131 9.8 5.0 14.9
 85 64.0 31.6 95.0



#76
 1,2,3-Trichloropropane
 Concen: 54.923 ug/l
 RT: 11.220 min Scan# 1662
 Delta R.T. -0.000 min
 Lab File: VX047821.D
 Acq: 25 Sep 2025 18:27

Tgt Ion: 75 Resp: 135616
 Ion Ratio Lower Upper
 75 100
 77 31.1 18.8 56.4

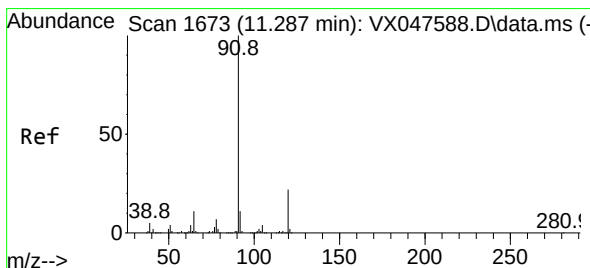
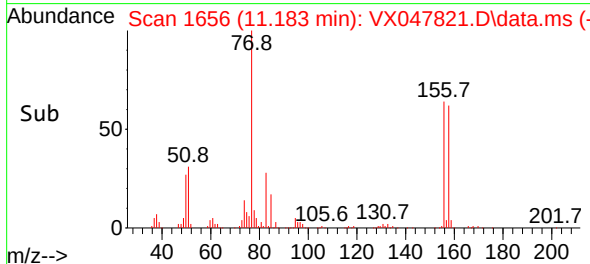
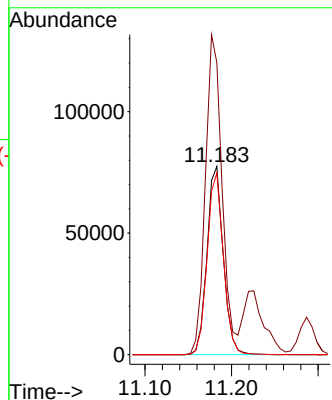
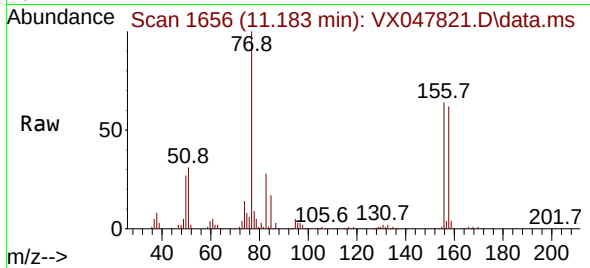




#77
Bromobenzene
Concen: 44.279 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

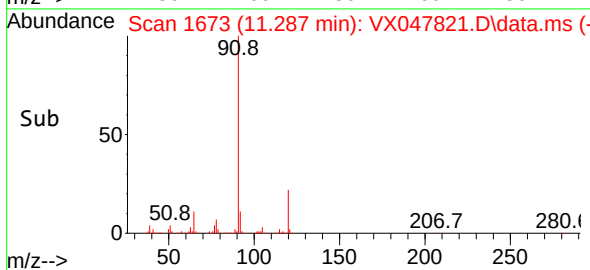
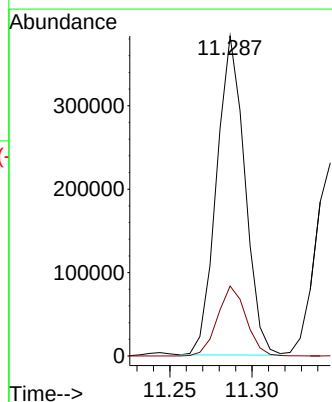
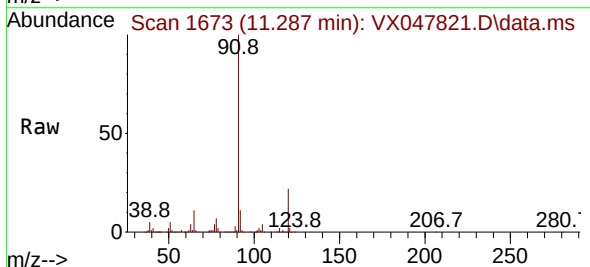
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

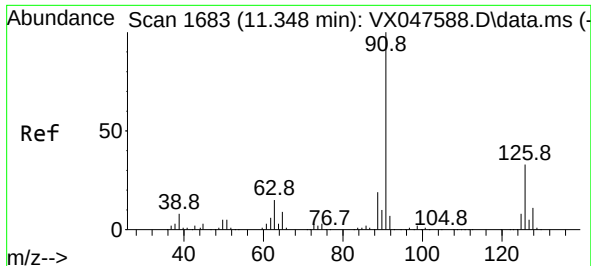
Tgt Ion:156 Resp: 101115
Ion Ratio Lower Upper
156 100
77 174.1 89.7 269.1
158 96.8 47.9 143.6



#78
n-propylbenzene
Concen: 41.741 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 91 Resp: 457503
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.1

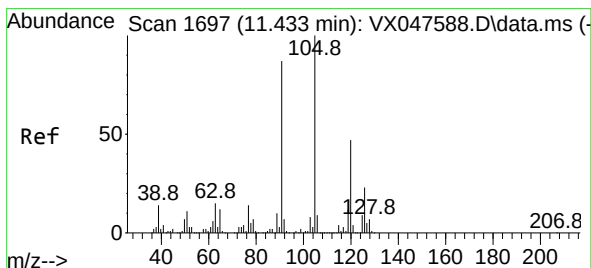
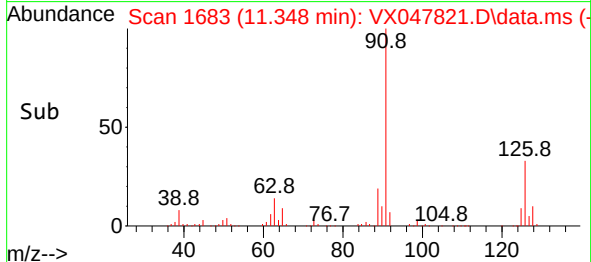
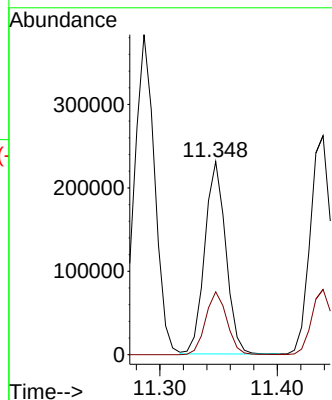
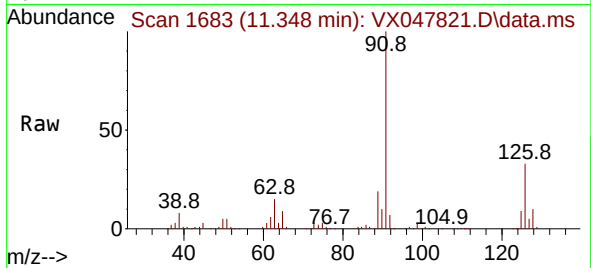




#79
2-Chlorotoluene
Concen: 42.772 ug/l
RT: 11.348 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

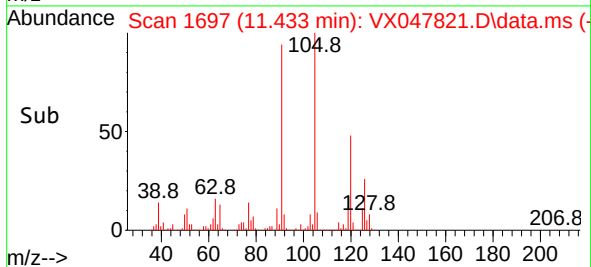
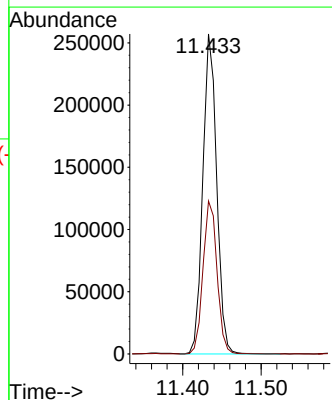
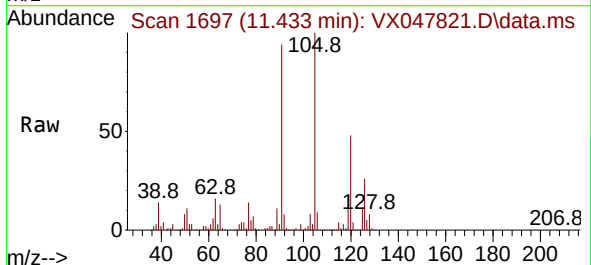
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

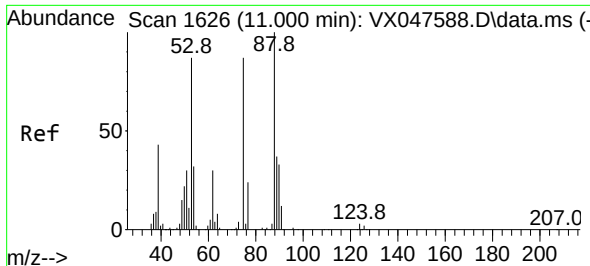
Tgt Ion: 91 Resp: 287129
Ion Ratio Lower Upper
91 100
126 33.0 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 41.410 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 105 Resp: 315443
Ion Ratio Lower Upper
105 100
120 48.4 23.6 70.8

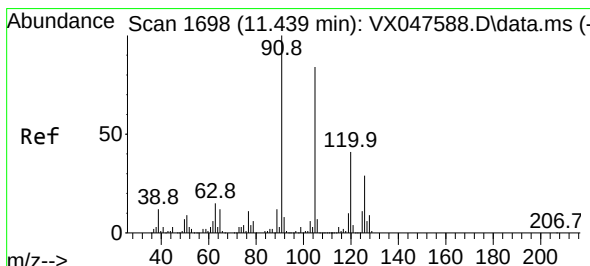
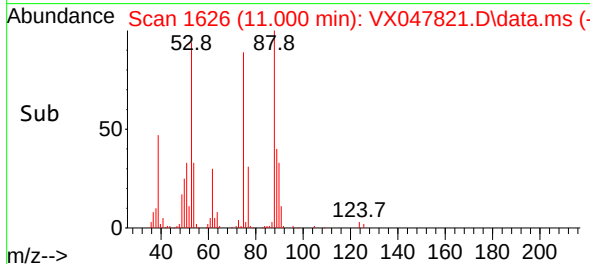
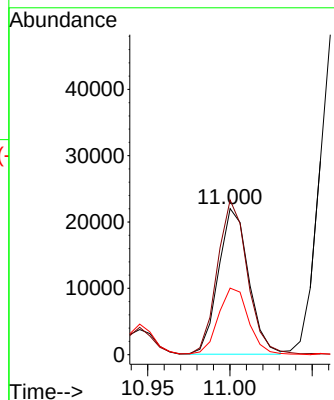
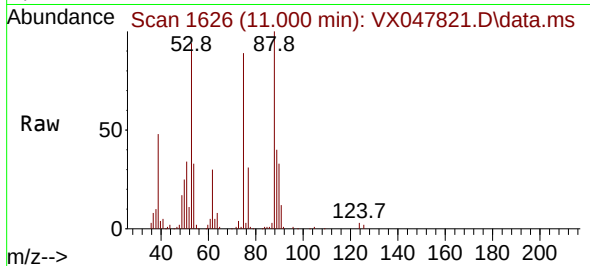




#81
trans-1,4-Dichloro-2-butene
Concen: 28.954 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

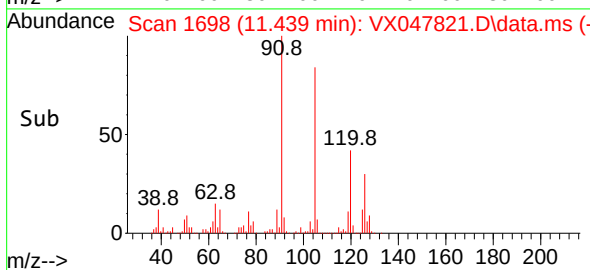
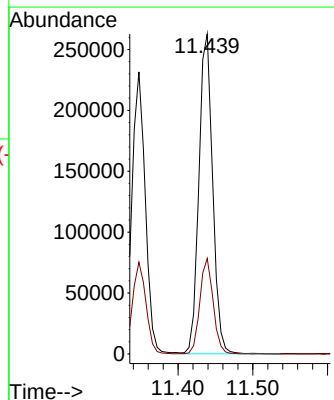
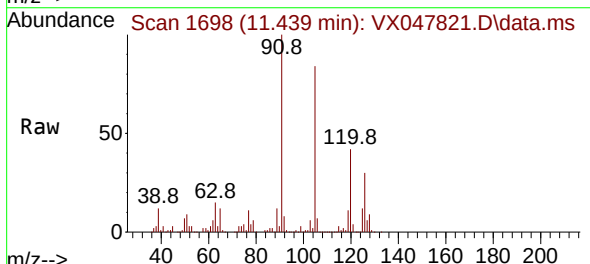
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

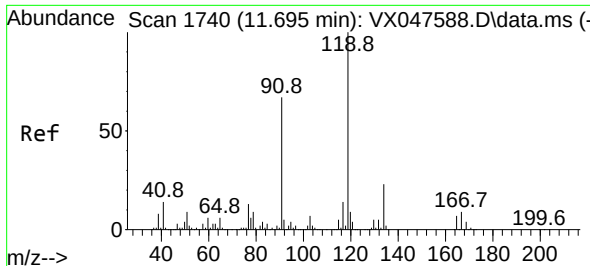
Tgt Ion: 75 Resp: 28035
Ion Ratio Lower Upper
75 100
53 106.8 83.4 125.2
89 46.3 36.3 54.5



#82
4-Chlorotoluene
Concen: 42.152 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 91 Resp: 334200
Ion Ratio Lower Upper
91 100
126 29.0 14.2 42.6

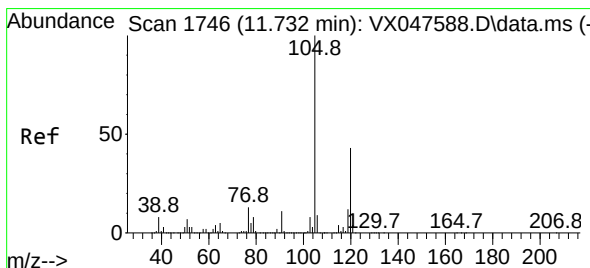
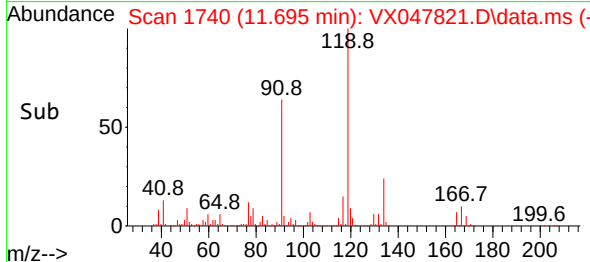
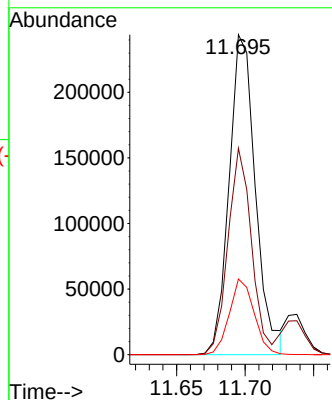
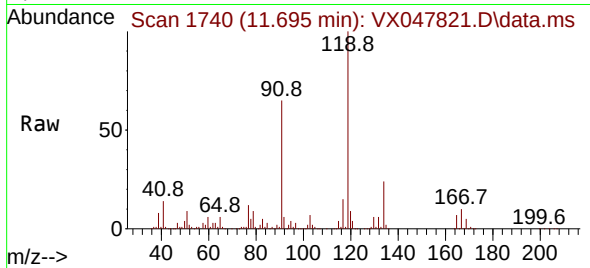




#83
tert-Butylbenzene
Concen: 41.856 ug/l
RT: 11.695 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

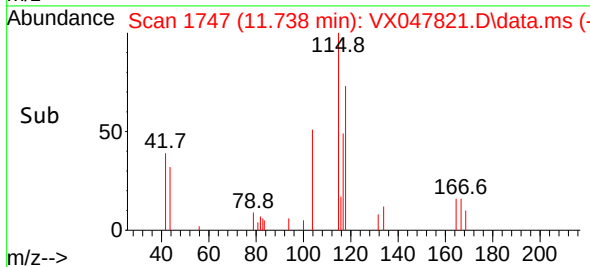
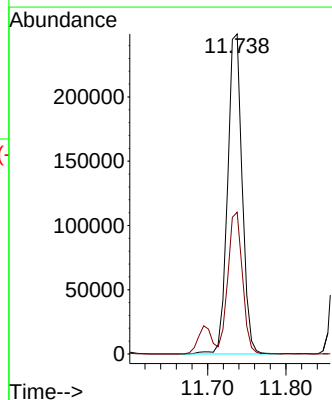
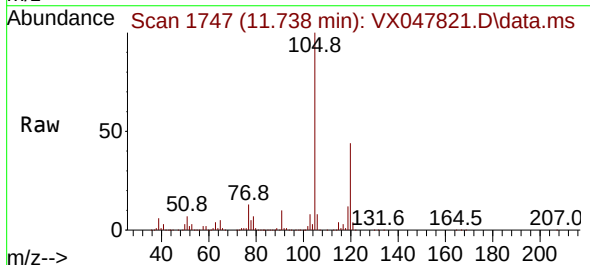
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

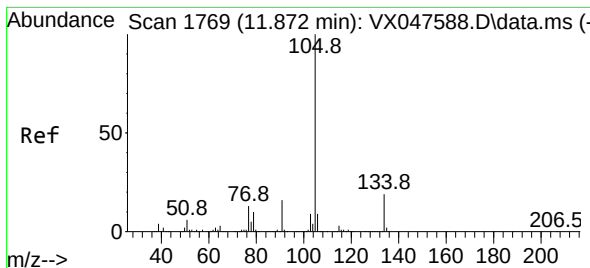
Tgt Ion:119 Resp: 326392
Ion Ratio Lower Upper
119 100
91 57.7 29.6 88.8
134 22.4 11.0 33.0



#84
1,2,4-Trimethylbenzene
Concen: 41.687 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion:105 Resp: 321947
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.1





#85

sec-Butylbenzene

Concen: 40.602 ug/l

RT: 11.872 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

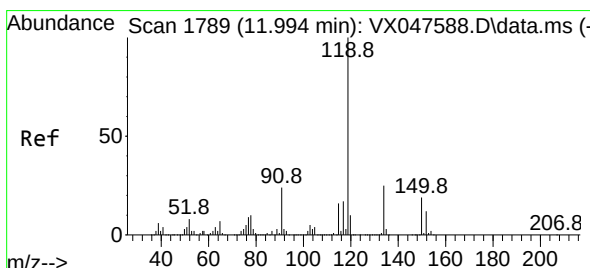
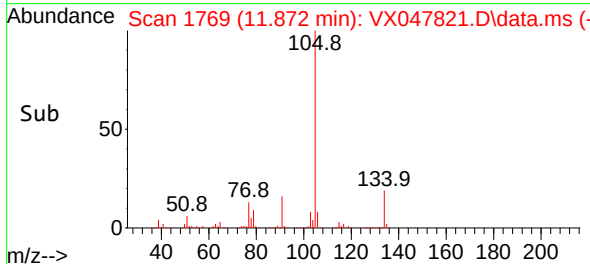
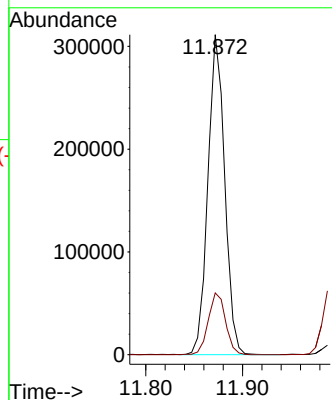
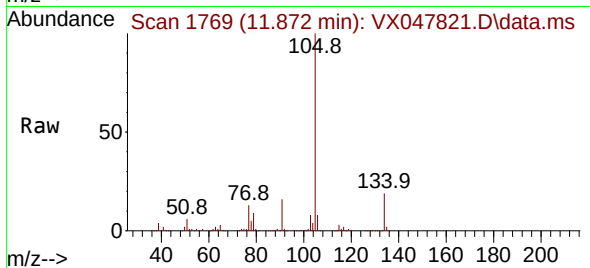
BP-VPB-184-GW-320-322MS

Tgt Ion:105 Resp: 376069

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.5



#86

p-Isopropyltoluene

Concen: 39.690 ug/l

RT: 11.994 min Scan# 1789

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

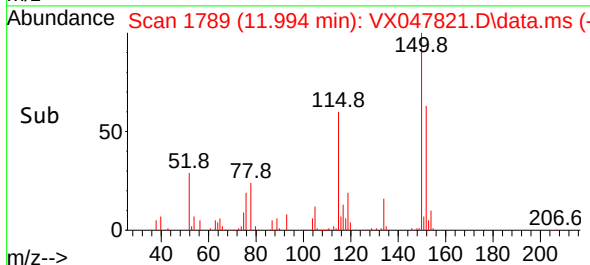
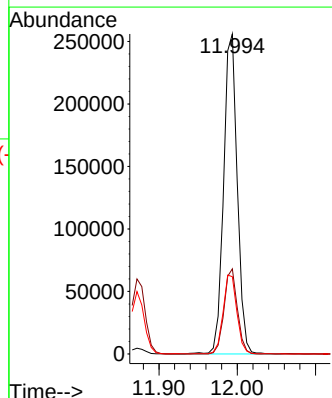
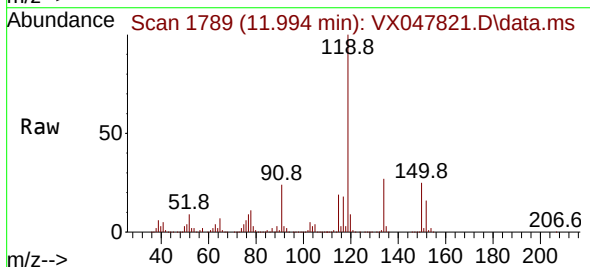
Tgt Ion:119 Resp: 311233

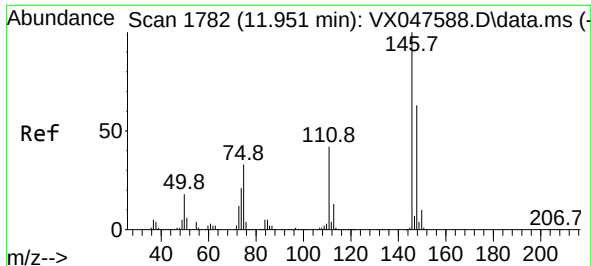
Ion Ratio Lower Upper

119 100

134 26.0 12.6 37.8

91 25.0 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 42.264 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VX047821.D

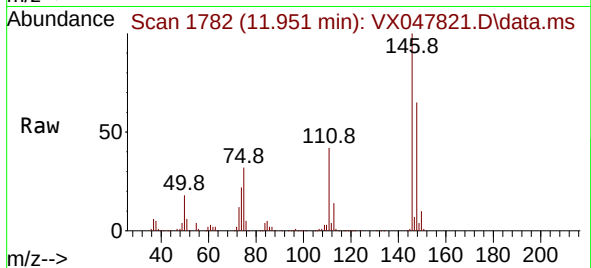
Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS



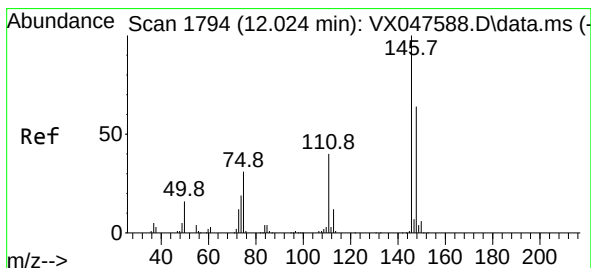
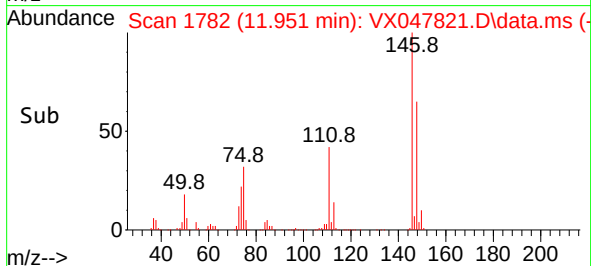
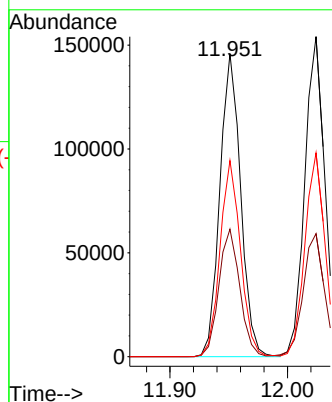
Tgt Ion:146 Resp: 179265

Ion Ratio Lower Upper

146 100

111 42.4 21.5 64.5

148 63.9 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 42.260 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

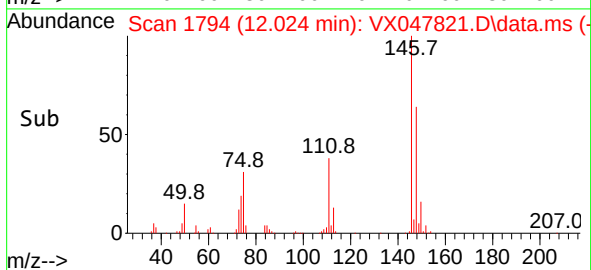
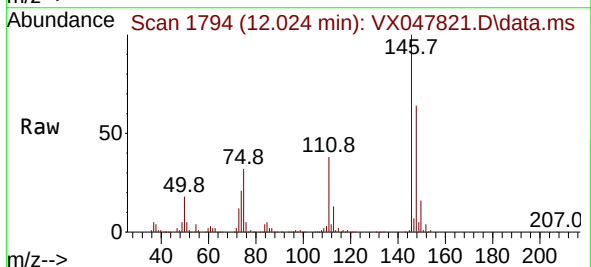
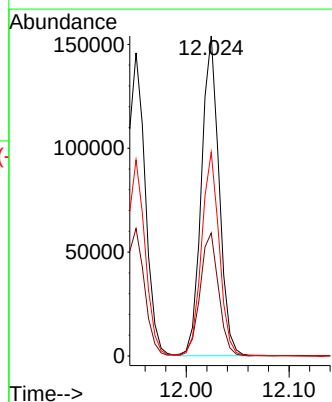
Tgt Ion:146 Resp: 183970

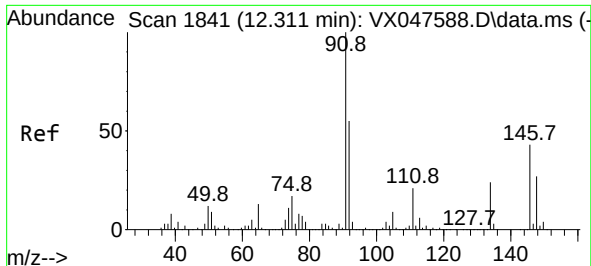
Ion Ratio Lower Upper

146 100

111 40.7 20.8 62.4

148 63.6 31.7 95.1





#89

n-Butylbenzene

Concen: 37.344 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX047821.D

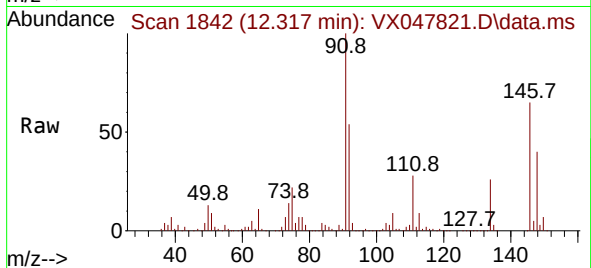
Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS



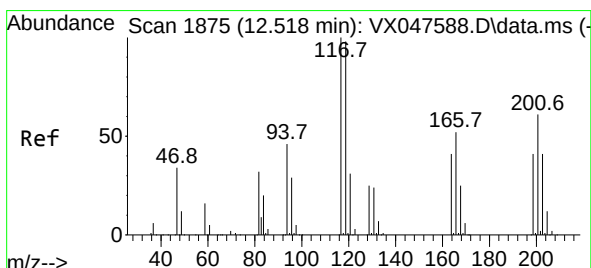
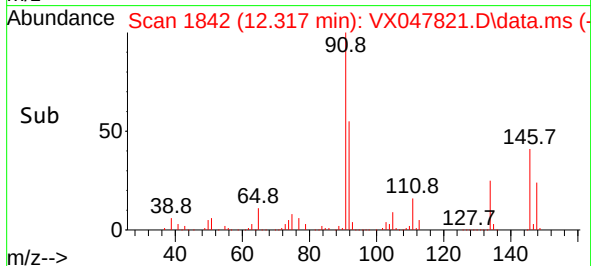
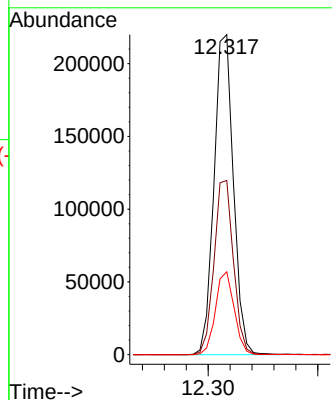
Tgt Ion: 91 Resp: 270965

Ion Ratio Lower Upper

91 100

92 54.5 27.6 82.7

134 25.0 12.6 37.8



#90

Hexachloroethane

Concen: 42.390 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX047821.D

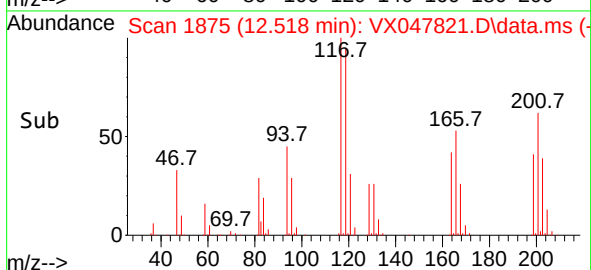
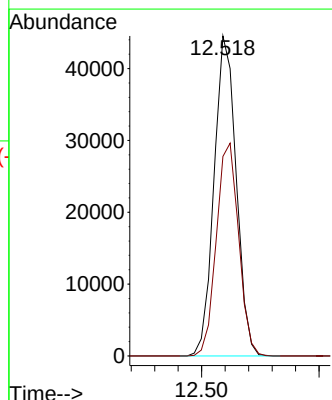
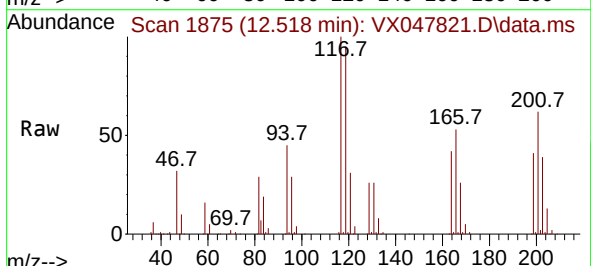
Acq: 25 Sep 2025 18:27

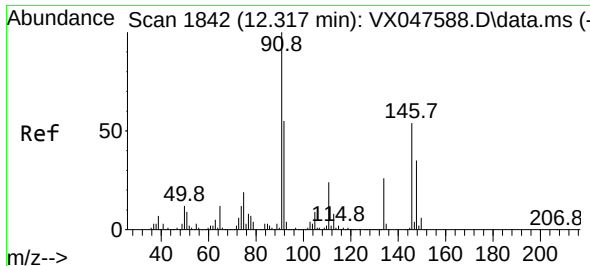
Tgt Ion: 117 Resp: 58360

Ion Ratio Lower Upper

117 100

201 67.0 34.2 102.5

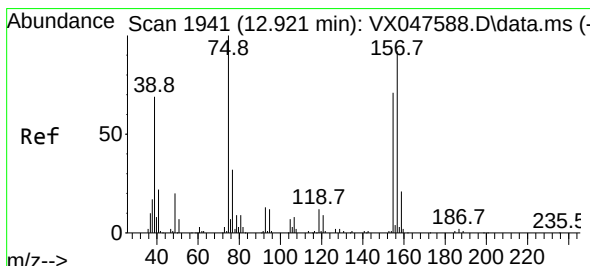
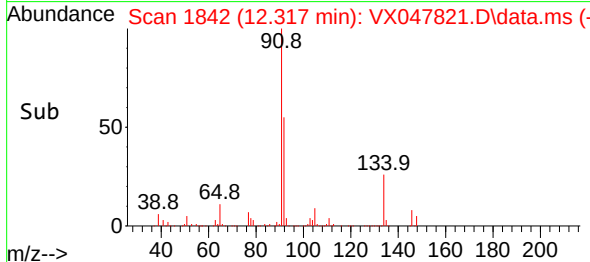
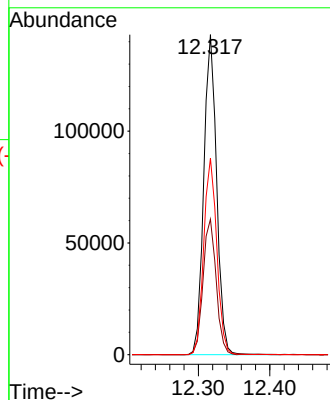
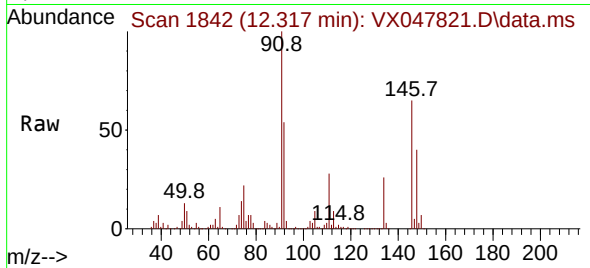




#91
1,2-Dichlorobenzene
Concen: 44.295 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

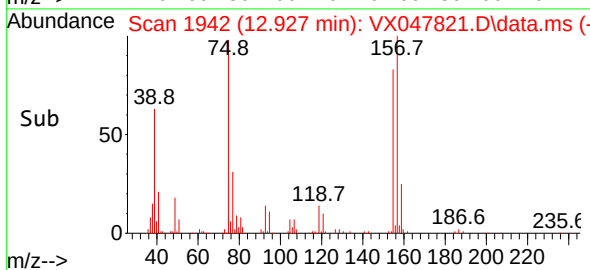
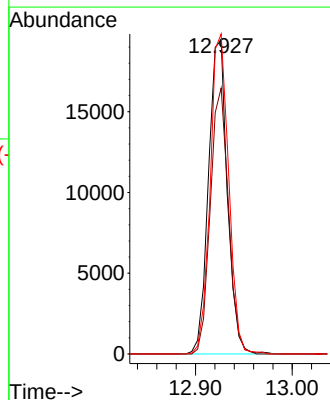
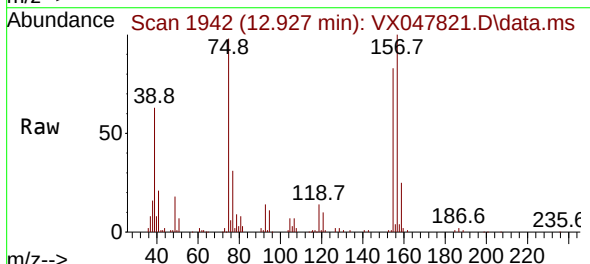
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MS

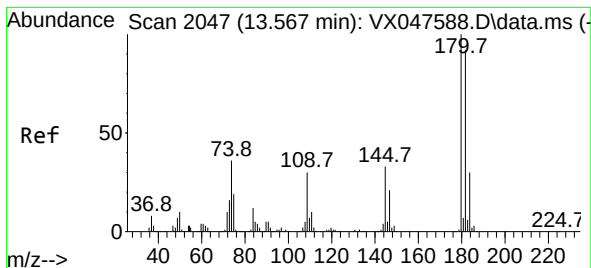
Tgt Ion:146 Resp: 178993
Ion Ratio Lower Upper
146 100
111 43.1 22.2 66.6
148 62.4 31.8 95.4



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.383 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047821.D
Acq: 25 Sep 2025 18:27

Tgt Ion: 75 Resp: 26343
Ion Ratio Lower Upper
75 100
155 81.5 37.7 113.1
157 99.9 49.8 149.4





#93

1,2,4-Trichlorobenzene

Concen: 39.085 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

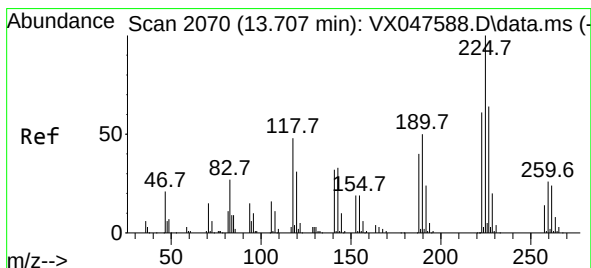
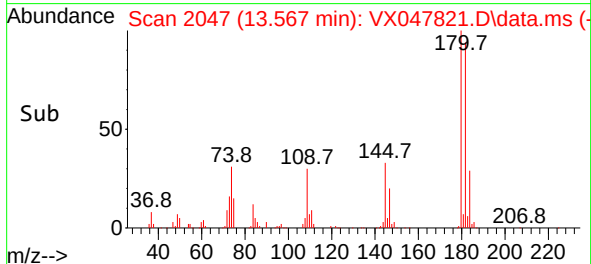
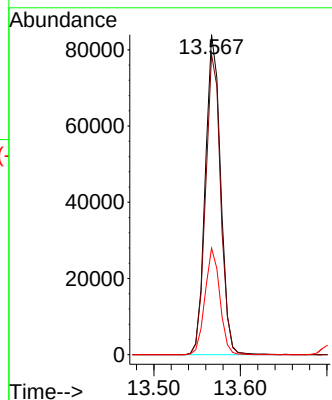
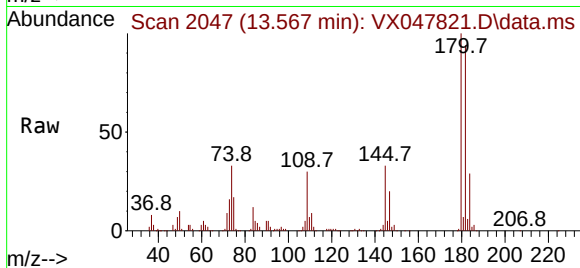
Tgt Ion:180 Resp: 102648

Ion Ratio Lower Upper

180 100

182 93.1 46.6 139.8

145 32.3 16.4 49.1



#94

Hexachlorobutadiene

Concen: 32.127 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

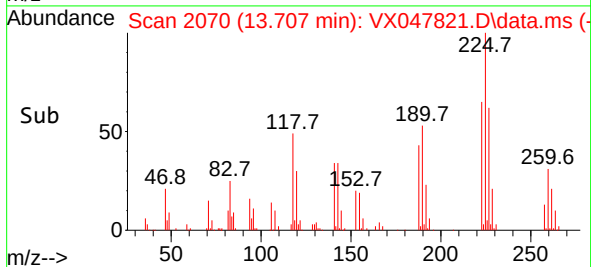
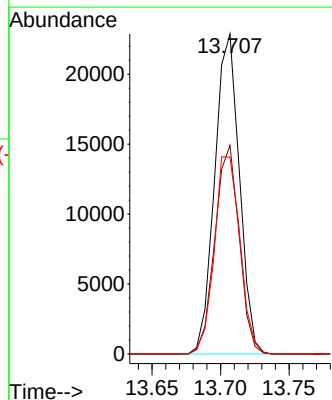
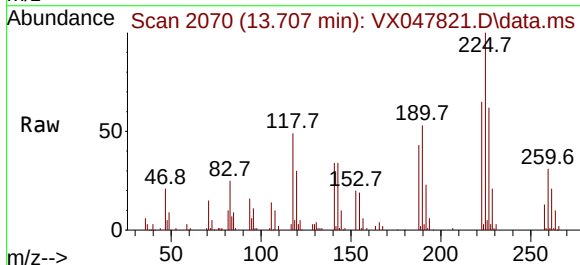
Tgt Ion:225 Resp: 28659

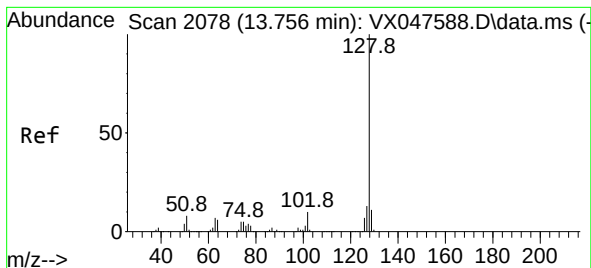
Ion Ratio Lower Upper

225 100

223 63.9 31.7 95.1

227 64.2 32.0 96.0





#95

Naphthalene

Concen: 44.317 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MS

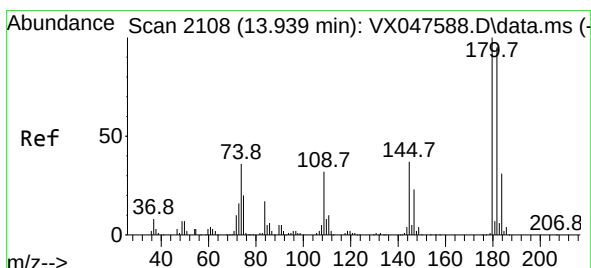
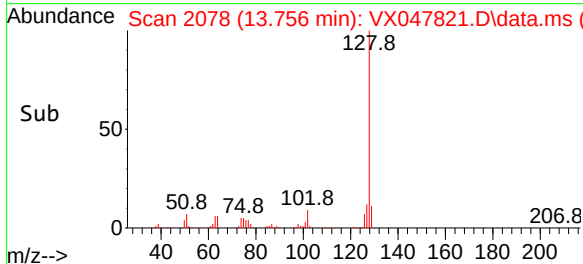
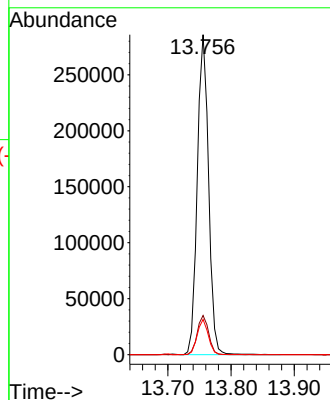
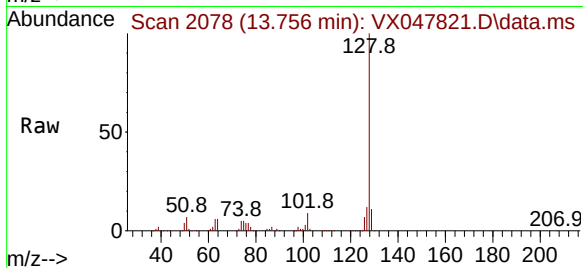
Tgt Ion:128 Resp: 354407

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.2

129 10.8 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 41.089 ug/l

RT: 13.939 min Scan# 2108

Delta R.T. -0.000 min

Lab File: VX047821.D

Acq: 25 Sep 2025 18:27

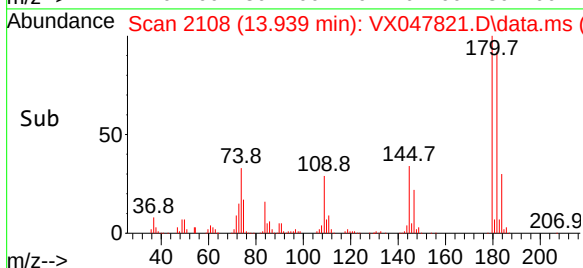
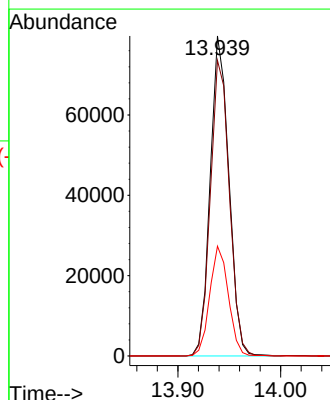
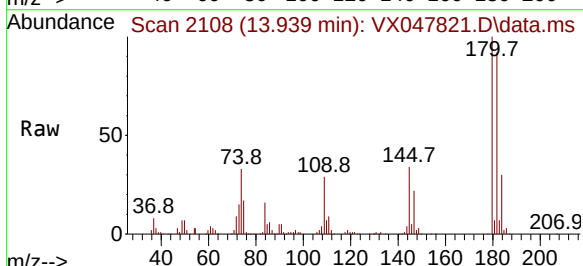
Tgt Ion:180 Resp: 100379

Ion Ratio Lower Upper

180 100

182 94.3 47.6 142.8

145 34.3 17.9 53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\X092525\
 Data File : VX047822.D
 Acq On : 25 Sep 2025 18:48
 Operator : JC/MD
 Sample : Q3165-10MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-320-322MSD

Quant Time: Sep 26 01:34:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	107908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	210706	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	179962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	77374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	106191	61.824	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	123.640%#
35) Dibromofluoromethane	5.379	113	79933	56.565	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	113.140%
50) Toluene-d8	8.634	98	243759	49.852	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.700%
62) 4-Bromofluorobenzene	11.067	95	85282	45.957	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.920%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	60113	53.797	ug/l	99
3) Chloromethane	1.300	50	100173	68.211	ug/l	100
4) Vinyl Chloride	1.380	62	91748	63.821	ug/l	100
5) Bromomethane	1.611	94	59235	64.980	ug/l	93
6) Chloroethane	1.697	64	63559	66.151	ug/l	100
7) Trichlorofluoromethane	1.898	101	112813	52.852	ug/l	99
8) Diethyl Ether	2.136	74	59102	67.688	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	52017	41.677	ug/l	99
10) Methyl Iodide	2.459	142	107715	55.337	ug/l	99
11) Tert butyl alcohol	2.946	59	63338	331.097	ug/l	100
12) 1,1-Dichloroethene	2.325	96	79236	61.804	ug/l	98
13) Acrolein	2.239	56	40831	231.621	ug/l	98
14) Allyl chloride	2.666	41	103872	39.263	ug/l	92
15) Acrylonitrile	3.062	53	251532	354.981	ug/l	100
16) Acetone	2.373	43	227178	304.191	ug/l	98
17) Carbon Disulfide	2.520	76	155316	44.253	ug/l	99
18) Methyl Acetate	2.703	43	93258	56.110	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	318759	68.110	ug/l	99
20) Methylene Chloride	2.788	84	105913	66.998	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	79701	57.742	ug/l	97
22) Diisopropyl ether	3.757	45	345679	67.421	ug/l	90
23) Vinyl Acetate	3.715	43	997105	242.988	ug/l	99
24) 1,1-Dichloroethane	3.611	63	177714	65.213	ug/l	98
25) 2-Butanone	4.544	43	331790	356.161	ug/l	98
26) 2,2-Dichloropropane	4.465	77	45532	20.100	ug/l	86
27) cis-1,2-Dichloroethene	4.483	96	107566	63.633	ug/l	91
28) Bromochloromethane	4.891	49	79267	66.627	ug/l	99
29) Tetrahydrofuran	4.989	42	209392	373.639	ug/l	100
30) Chloroform	5.080	83	190851	69.304	ug/l	98
31) Cyclohexane	5.464	56	85029	37.463	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	137022	58.661	ug/l	100
36) 1,1-Dichloropropene	5.684	75	93202	45.137	ug/l	98
37) Ethyl Acetate	4.702	43	109929	49.721	ug/l	98
38) Carbon Tetrachloride	5.666	117	79969	35.644	ug/l	99
39) Methylcyclohexane	7.366	83	63696	27.175	ug/l	98
40) Benzene	6.025	78	364974	58.195	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047822.D
 Acq On : 25 Sep 2025 18:48
 Operator : JC/MD
 Sample : Q3165-10MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-320-322MSD

Quant Time: Sep 26 01:34:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	71928	63.018	ug/l	98
42) 1,2-Dichloroethane	6.074	62	142572	59.747	ug/l	98
43) Isopropyl Acetate	6.324	43	196479	54.186	ug/l	100
44) Trichloroethene	7.110	130	85262	56.233	ug/l	96
45) 1,2-Dichloropropane	7.415	63	98109	61.092	ug/l	100
46) Dibromomethane	7.568	93	73769	63.124	ug/l	98
47) Bromodichloromethane	7.805	83	108137	44.842	ug/l	100
48) Methyl methacrylate	7.677	41	113105	62.622	ug/l	97
49) 1,4-Dioxane	7.641	88	29459	1613.910	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	698942	347.659	ug/l	99
52) Toluene	8.702	92	205447	53.171	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	103660	42.142	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	111553	42.430	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	96413	64.711	ug/l	98
56) Ethyl methacrylate	9.104	69	146418	62.576	ug/l	96
57) 1,3-Dichloropropane	9.293	76	164190	64.152	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.147	63	131	8.010	ug/l #	47
59) 2-Hexanone	9.415	43	483745	335.028	ug/l	99
60) Dibromochloromethane	9.506	129	75519	43.991	ug/l	98
61) 1,2-Dibromoethane	9.592	107	96234	63.414	ug/l	100
64) Tetrachloroethene	9.262	164	58270	49.669	ug/l	92
65) Chlorobenzene	10.061	112	220566	53.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	77077	54.634	ug/l	99
67) Ethyl Benzene	10.177	91	345906	49.035	ug/l	100
68) m/p-Xylenes	10.287	106	255885	97.456	ug/l	99
69) o-Xylene	10.628	106	131180	51.654	ug/l	99
70) Styrene	10.640	104	188173	42.287	ug/l	98
71) Bromoform	10.780	173	45452	43.147	ug/l #	98
73) Isopropylbenzene	10.945	105	295176	50.179	ug/l	99
74) N-amyl acetate	10.829	43	140353	52.322	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	136370	76.623	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	126850	80.972	ug/l	89
77) Bromobenzene	11.183	156	84966	58.645	ug/l	98
78) n-propylbenzene	11.286	91	328331	47.216	ug/l	100
79) 2-Chlorotoluene	11.347	91	222063	52.139	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	237879	49.220	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	20418	33.237	ug/l	99
82) 4-Chlorotoluene	11.439	91	257279	51.147	ug/l	99
83) tert-Butylbenzene	11.695	119	241036	48.720	ug/l	96
84) 1,2,4-Trimethylbenzene	11.732	105	249135	50.846	ug/l	100
85) sec-Butylbenzene	11.872	105	255708	43.514	ug/l	99
86) p-Isopropyltoluene	11.994	119	215443	43.305	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	137631	51.144	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	140359	50.819	ug/l	99
89) n-Butylbenzene	12.317	91	175511	38.126	ug/l	99
90) Hexachloroethane	12.518	117	34292	39.259	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	143420	55.941	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	24748	68.682	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	71365	42.831	ug/l	100
94) Hexachlorobutadiene	13.707	225	17308	30.582	ug/l	99
95) Naphthalene	13.756	128	294138	57.972	ug/l	100
96) 1,2,3-Trichlorobenzene	13.945	180	74862	48.300	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047822.D
Acq On : 25 Sep 2025 18:48
Operator : JC/MD
Sample : Q3165-10MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

Quant Time: Sep 26 01:34:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

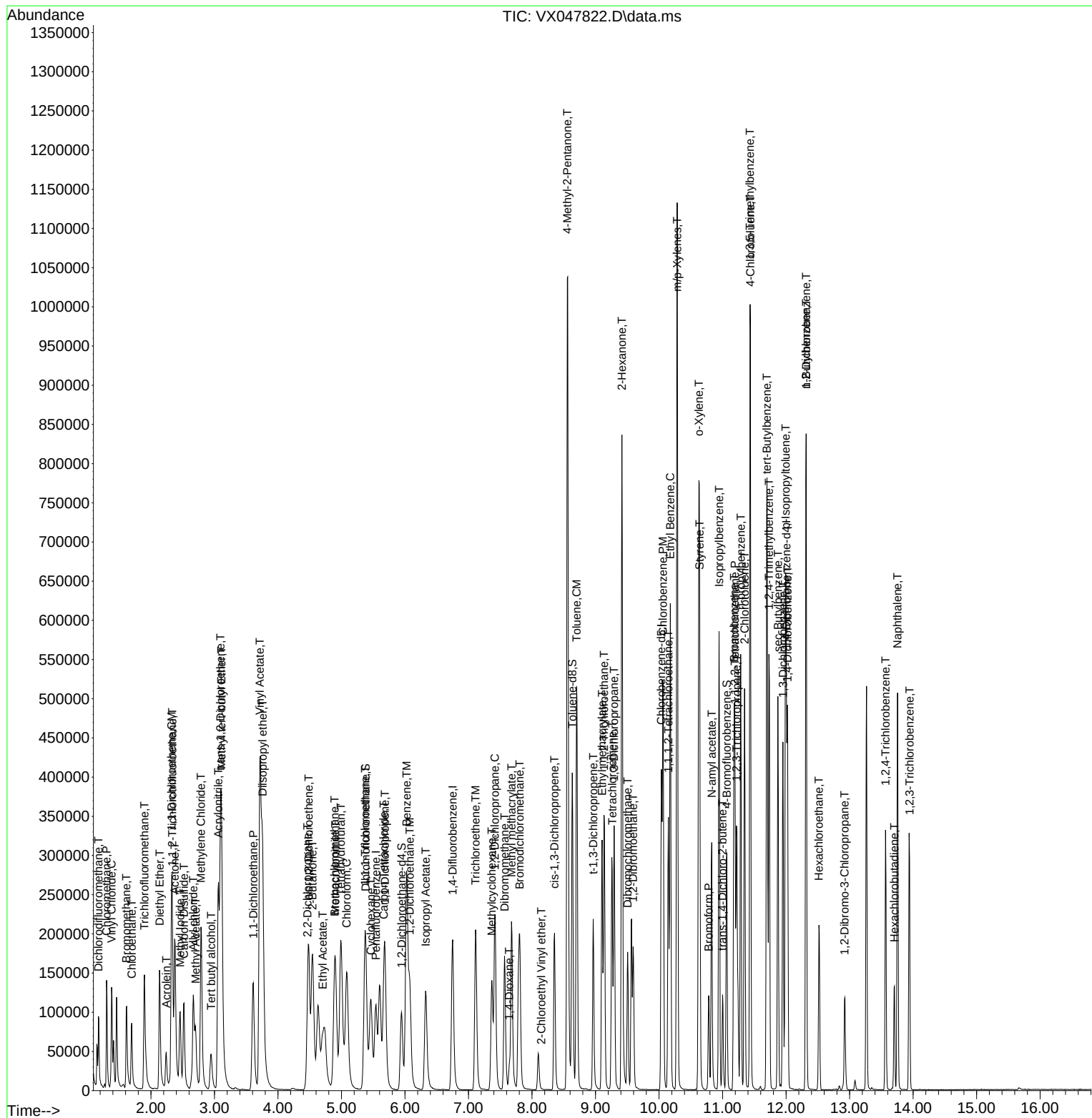
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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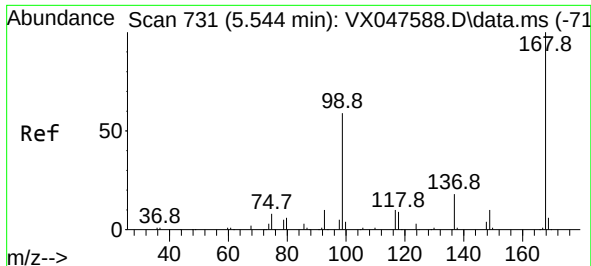
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\  
Data File : VX047822.D  
Acq On    : 25 Sep 2025  18:48  
Operator  : JC/MD  
Sample    : Q3165-10MSD  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 29   Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

Quant Time: Sep 26 01:34:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

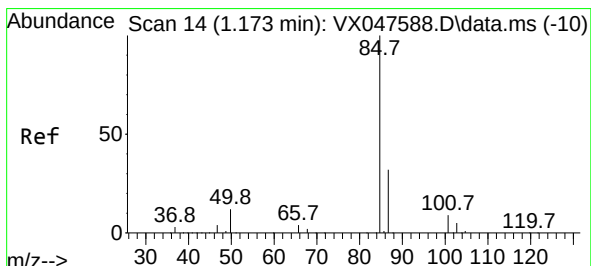
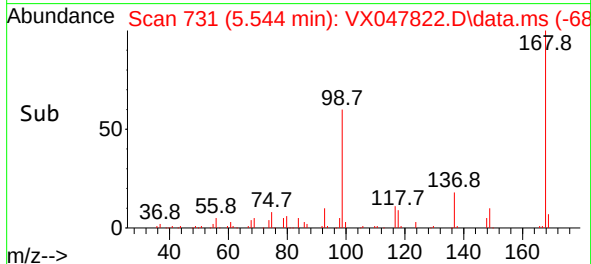
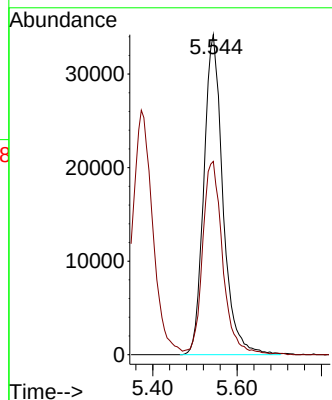
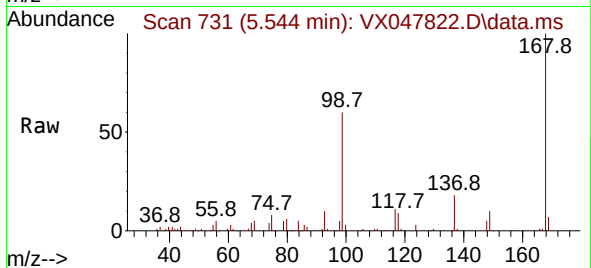




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

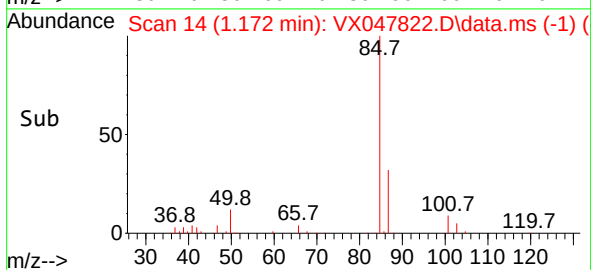
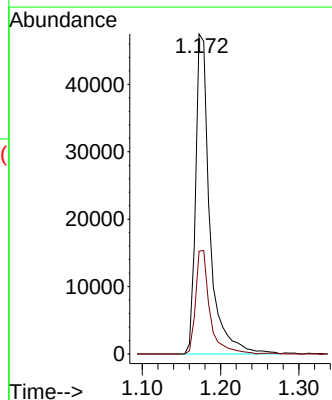
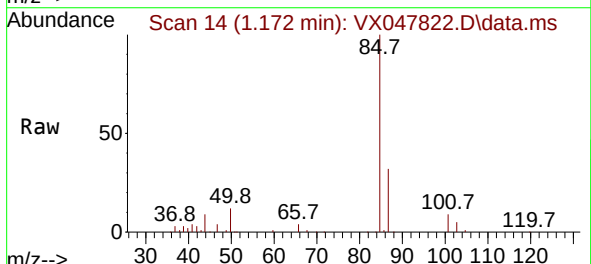
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

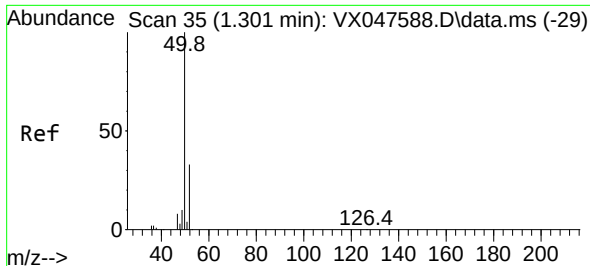
Tgt Ion:168 Resp: 107908
Ion Ratio Lower Upper
168 100
99 60.0 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 53.797 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 85 Resp: 60113
Ion Ratio Lower Upper
85 100
87 32.1 15.8 47.3

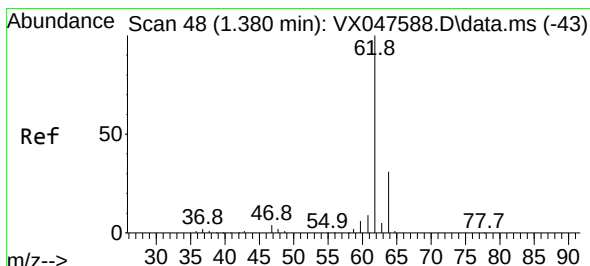
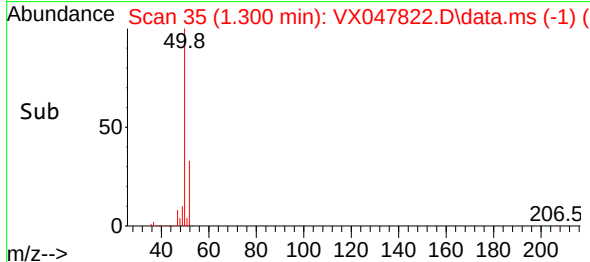
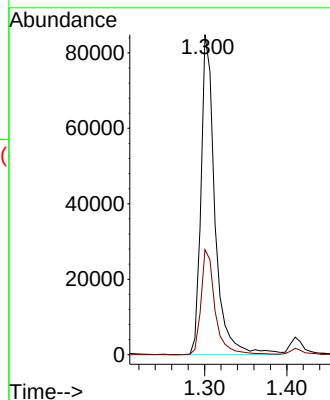
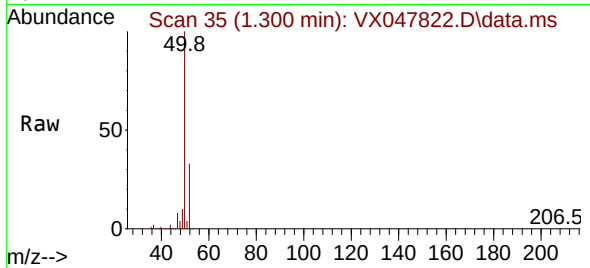




#3
Chloromethane
Concen: 68.211 ug/l
RT: 1.300 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

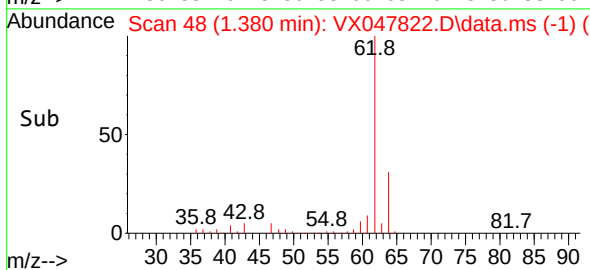
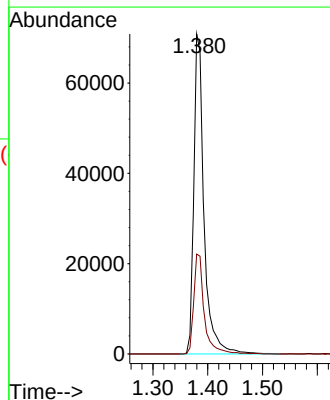
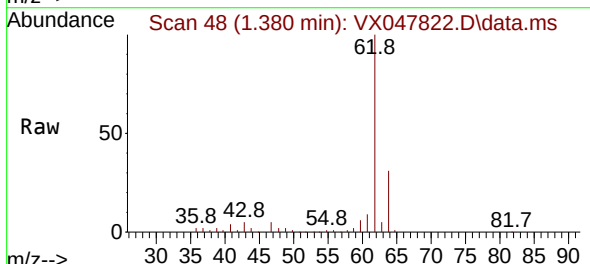
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

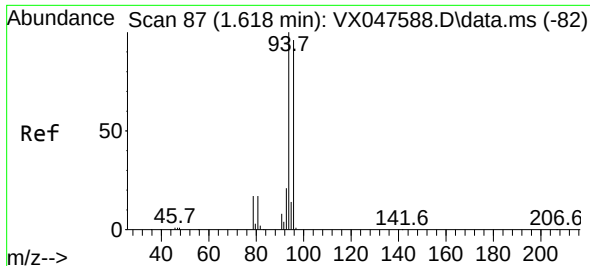
Tgt Ion: 50 Resp: 100173
Ion Ratio Lower Upper
50 100
52 32.8 26.1 39.1



#4
Vinyl Chloride
Concen: 63.821 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 62 Resp: 91748
Ion Ratio Lower Upper
62 100
64 31.2 24.9 37.3

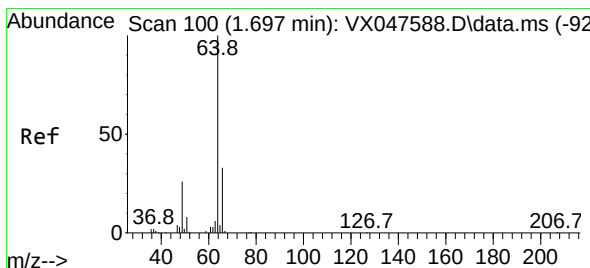
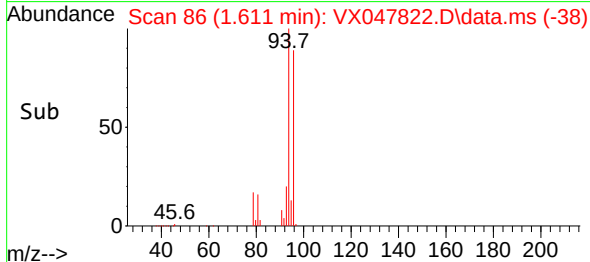
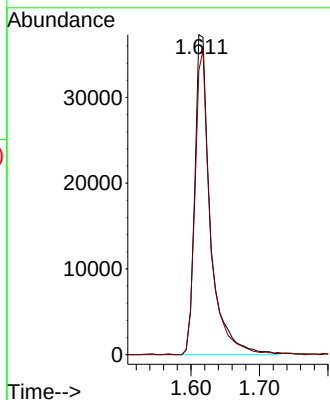
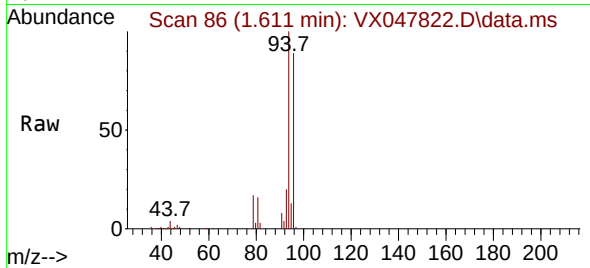




#5
Bromomethane
Concen: 64.980 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

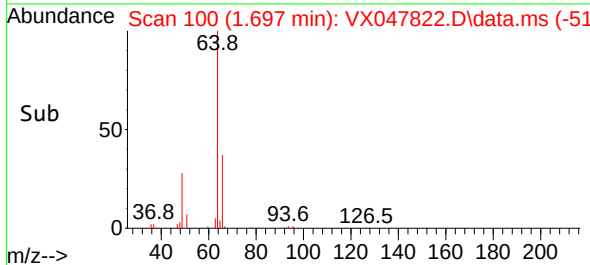
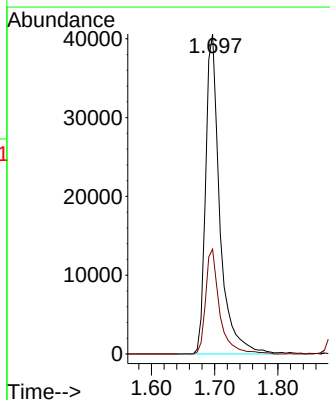
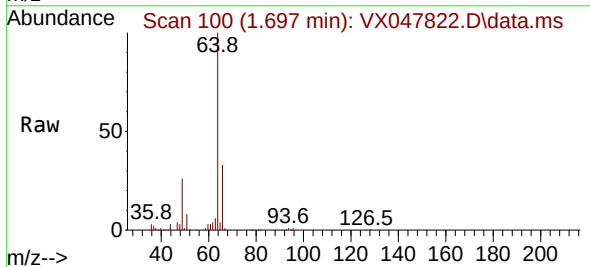
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

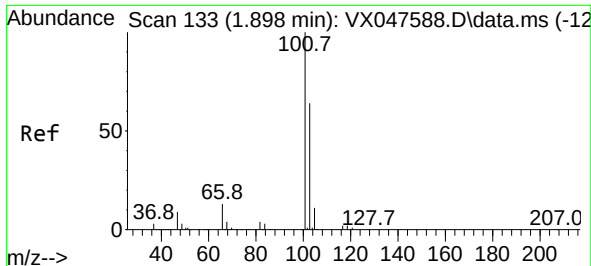
Tgt Ion: 94 Resp: 59235
Ion Ratio Lower Upper
94 100
96 88.9 76.6 115.0



#6
Chloroethane
Concen: 66.151 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 64 Resp: 63559
Ion Ratio Lower Upper
64 100
66 32.8 26.1 39.1

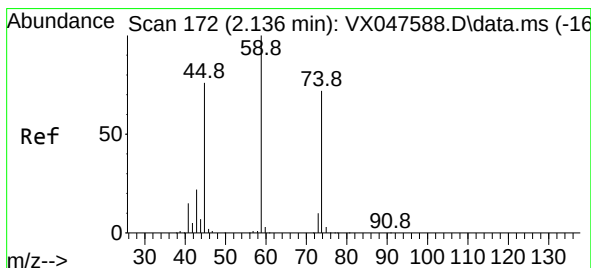
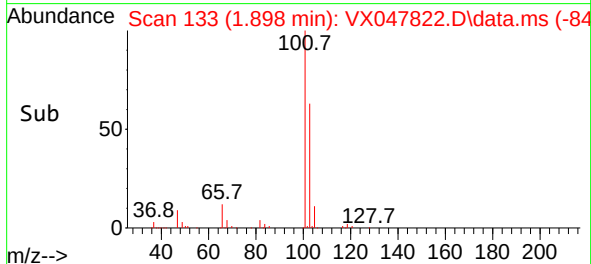
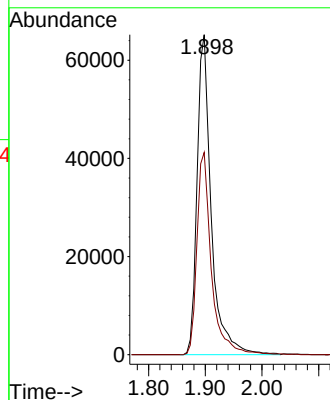
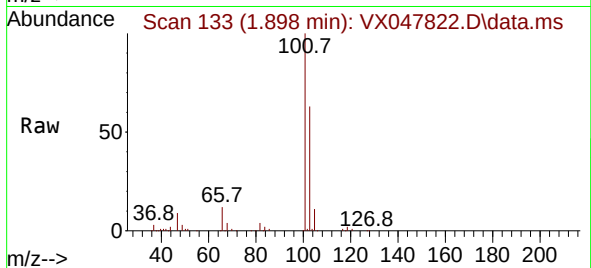




#7
 Trichlorofluoromethane
 Concen: 52.852 ug/l
 RT: 1.898 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047822.D
 Acq: 25 Sep 2025 18:48

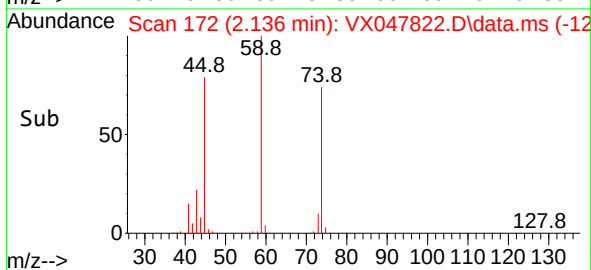
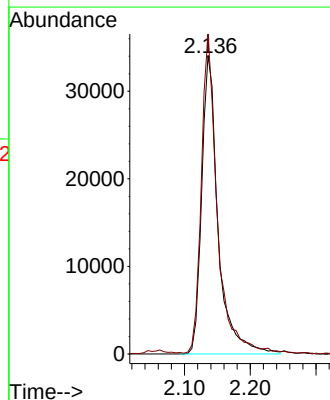
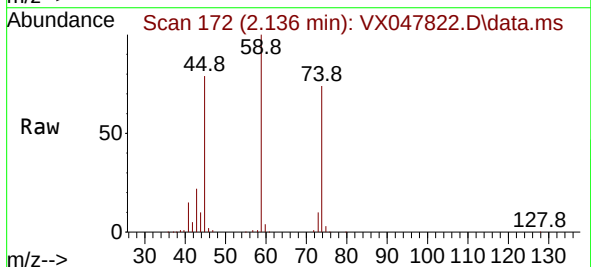
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-320-322MSD

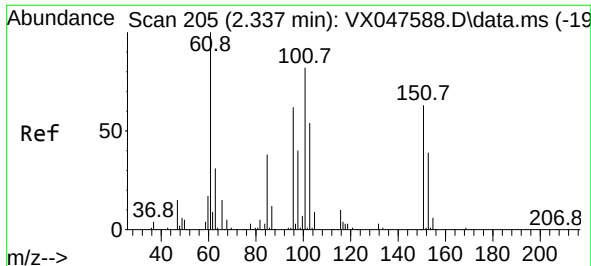
Tgt Ion:101 Resp: 112813
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.4 77.2



#8
 Diethyl Ether
 Concen: 67.688 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. -0.000 min
 Lab File: VX047822.D
 Acq: 25 Sep 2025 18:48

Tgt Ion: 74 Resp: 59102
 Ion Ratio Lower Upper
 74 100
 45 104.1 52.3 156.8

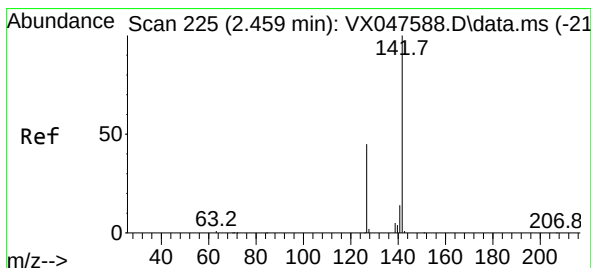
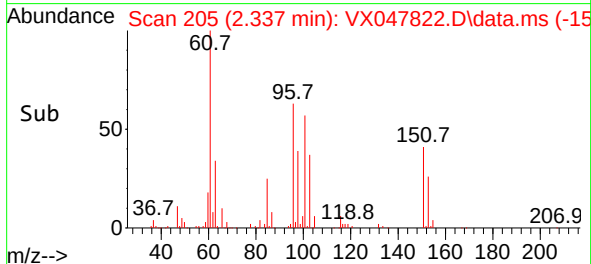
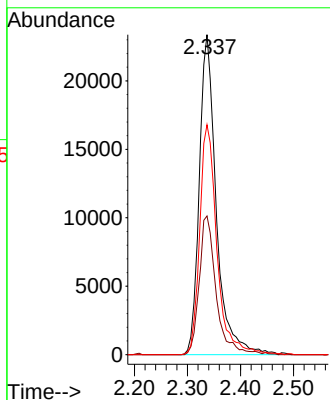
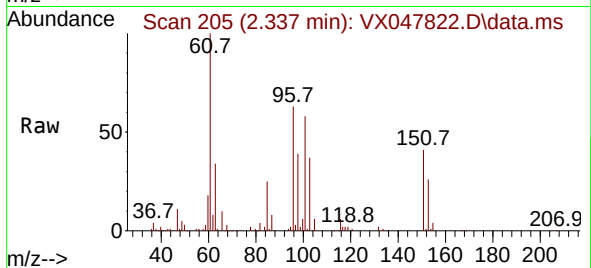




#9
1,1,2-Trichlorotrifluoroethane
Concen: 41.677 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

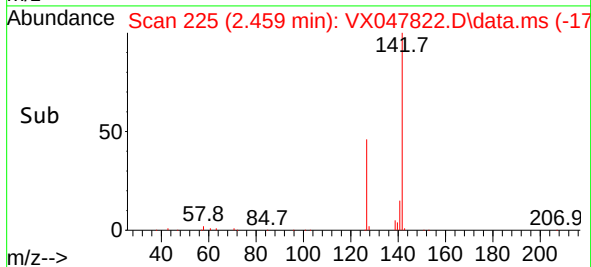
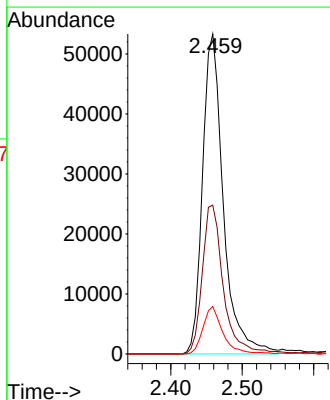
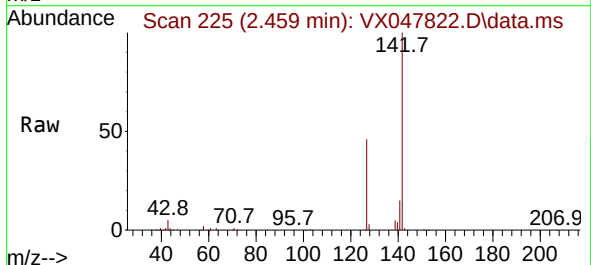
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

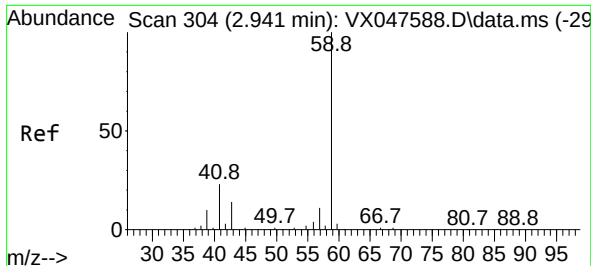
Tgt Ion:	101	Resp:	52017
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.5	53.3
151	73.4	59.4	89.0



#10
Methyl Iodide
Concen: 55.337 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion:	142	Resp:	107715
Ion Ratio	Lower	Upper	
142	100		
127	47.3	37.2	55.8
141	14.1	11.4	17.0

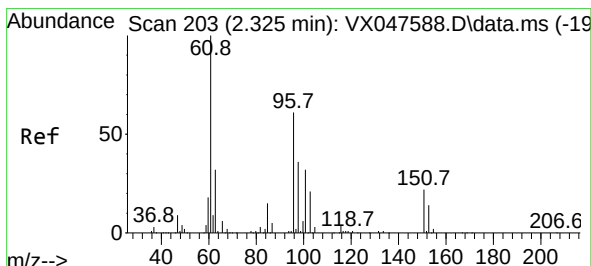
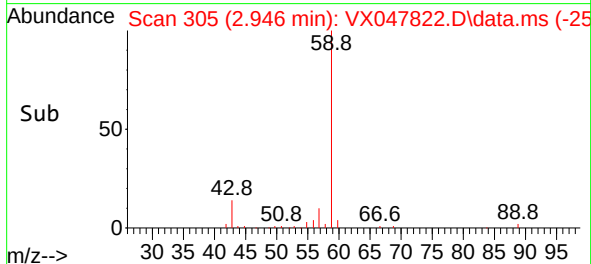
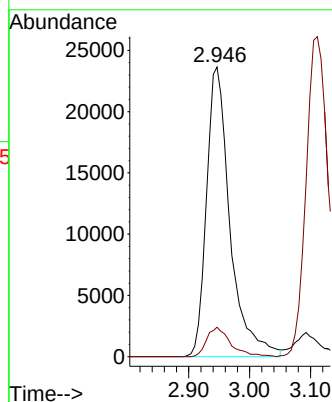
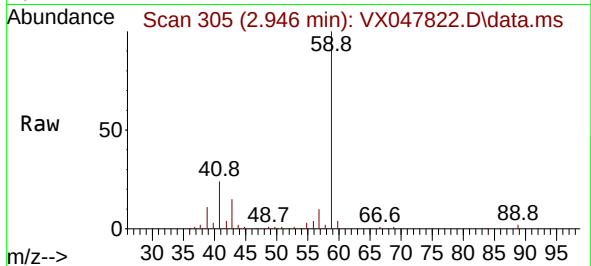




#11
Tert butyl alcohol
Concen: 331.097 ug/l
RT: 2.946 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

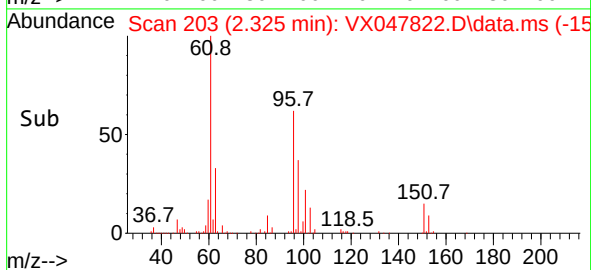
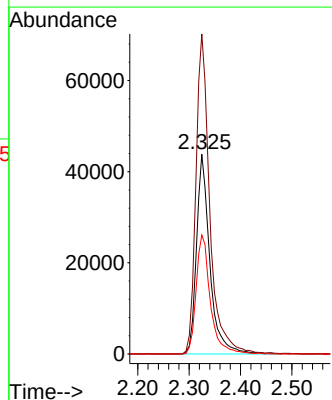
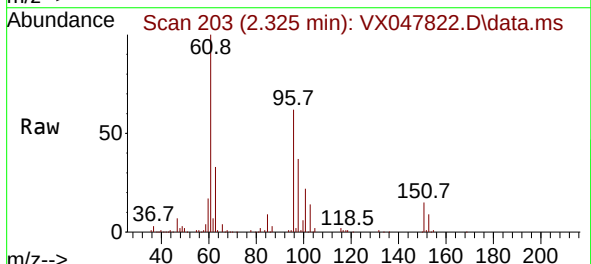
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

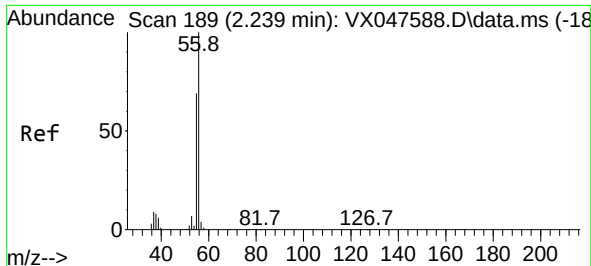
Tgt Ion: 59 Resp: 63338
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5



#12
1,1-Dichloroethene
Concen: 61.804 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 96 Resp: 79236
Ion Ratio Lower Upper
96 100
61 160.3 131.0 196.6
98 59.5 47.7 71.5

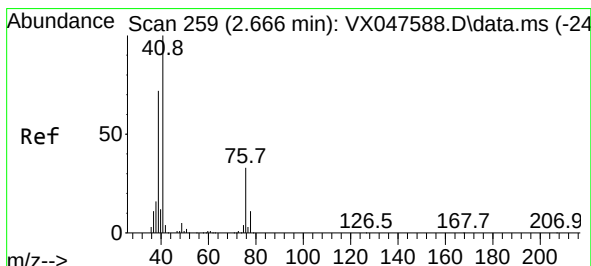
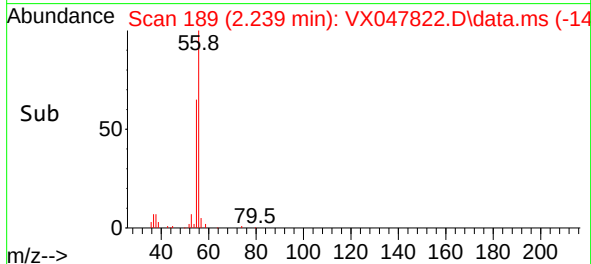
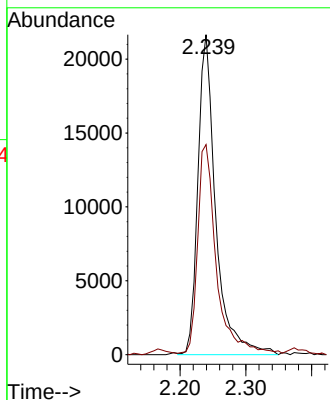
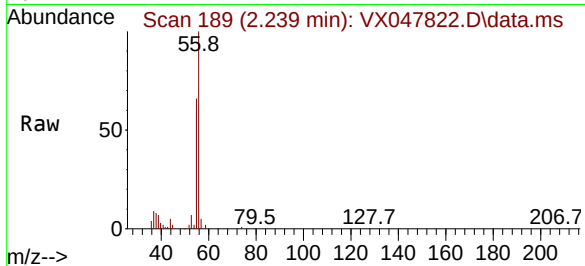




#13
Acrolein
Concen: 231.621 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

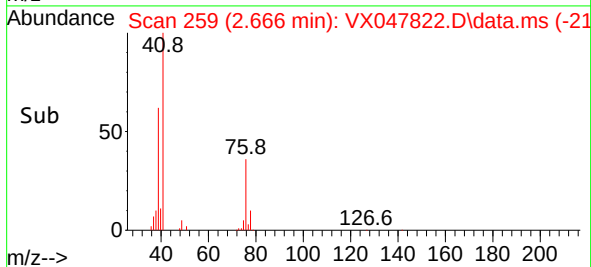
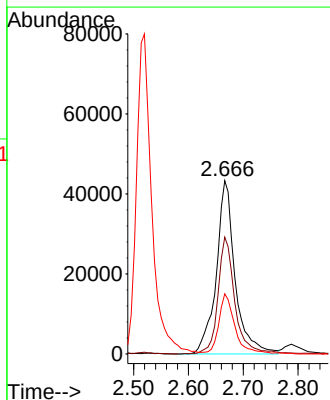
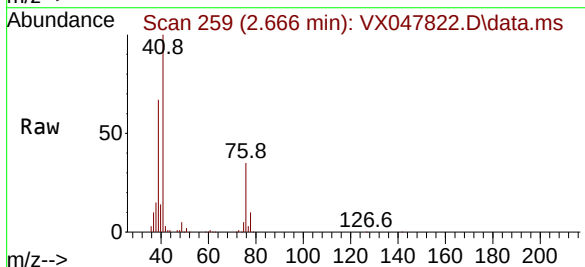
Instrument : MSVOA_X
ClientSampleId : BP-VPB-184-GW-320-322MSD

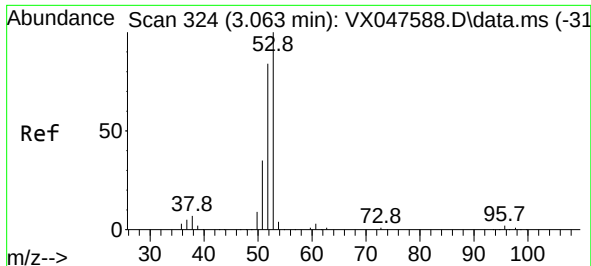
Tgt Ion: 56 Resp: 40831
Ion Ratio Lower Upper
56 100
55 69.6 57.2 85.8



#14
Allyl chloride
Concen: 39.263 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 41 Resp: 103872
Ion Ratio Lower Upper
41 100
39 60.7 54.7 82.1
76 29.9 25.7 38.5

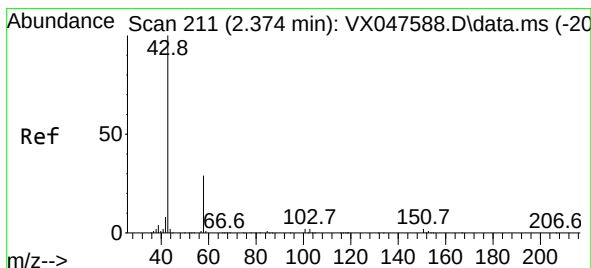
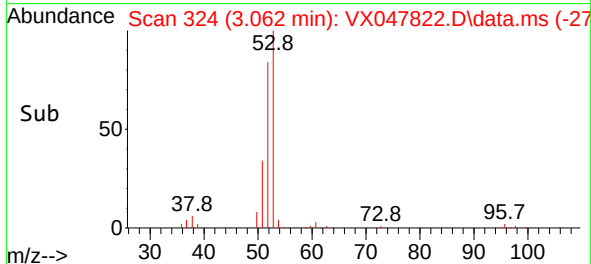
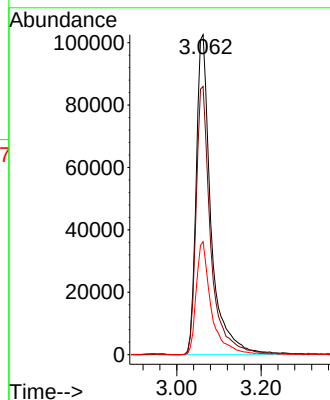
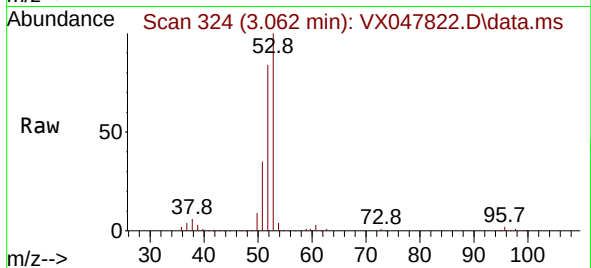




#15
Acrylonitrile
Concen: 354.981 ug/l
RT: 3.062 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

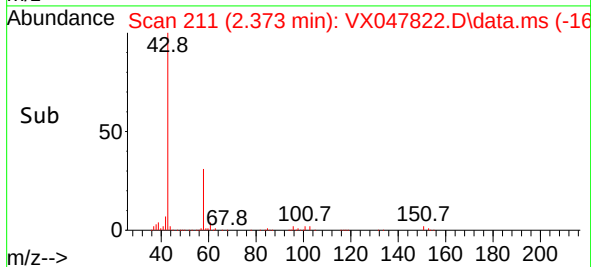
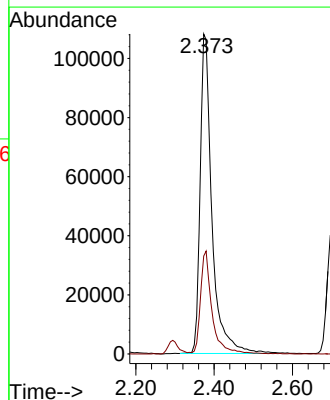
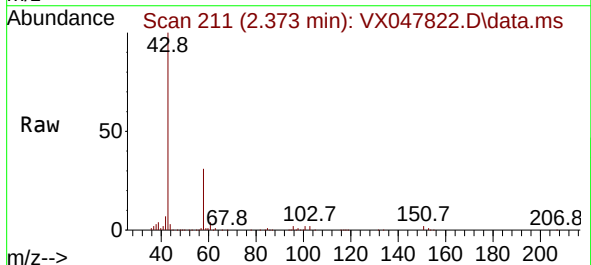
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

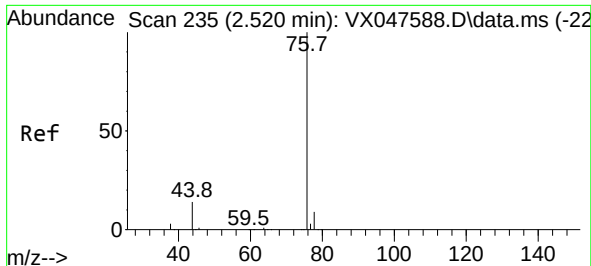
Tgt Ion: 53 Resp: 251532
Ion Ratio Lower Upper
53 100
52 82.9 66.4 99.6
51 36.3 29.5 44.3



#16
Acetone
Concen: 304.191 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 43 Resp: 227178
Ion Ratio Lower Upper
43 100
58 30.5 23.4 35.0

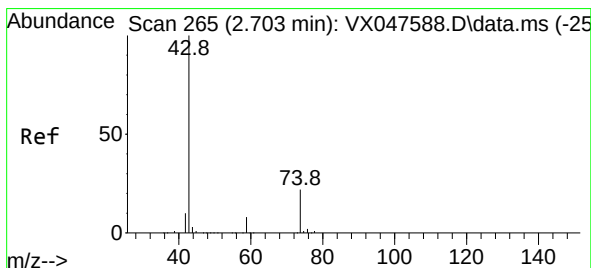
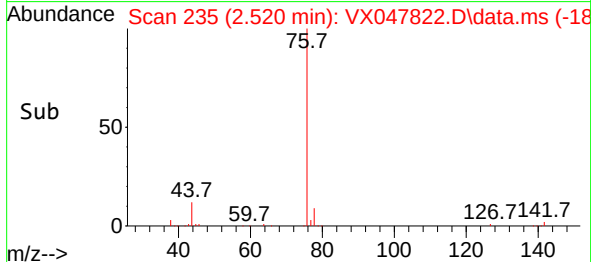
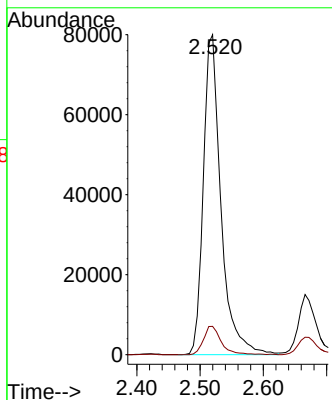
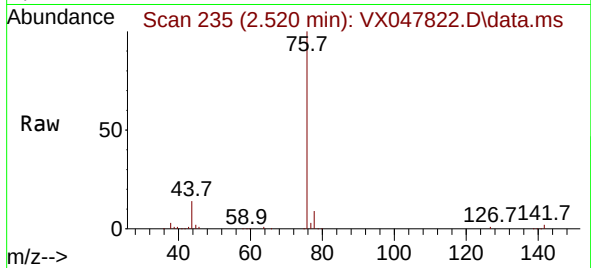




#17
Carbon Disulfide
Concen: 44.253 ug/l
RT: 2.520 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

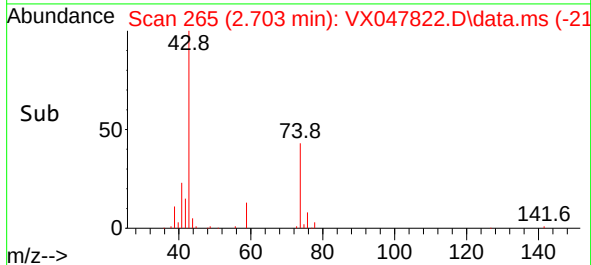
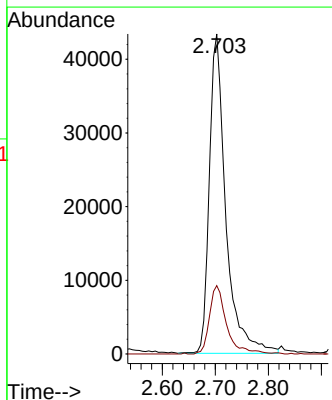
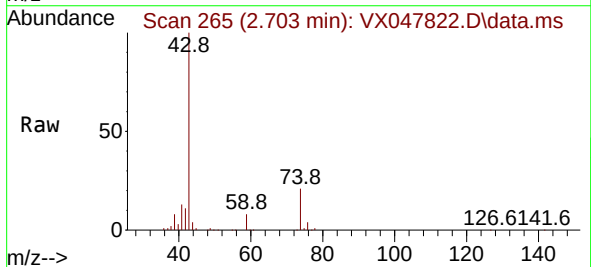
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

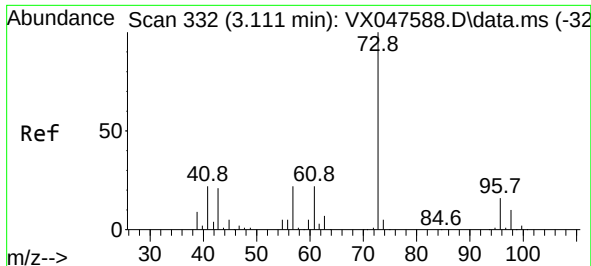
Tgt Ion: 76 Resp: 155316
Ion Ratio Lower Upper
76 100
78 8.9 6.8 10.2



#18
Methyl Acetate
Concen: 56.110 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 43 Resp: 93258
Ion Ratio Lower Upper
43 100
74 22.2 17.4 26.2

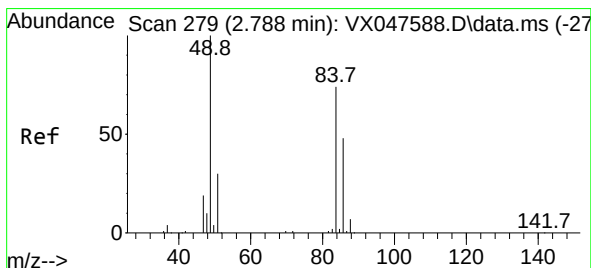
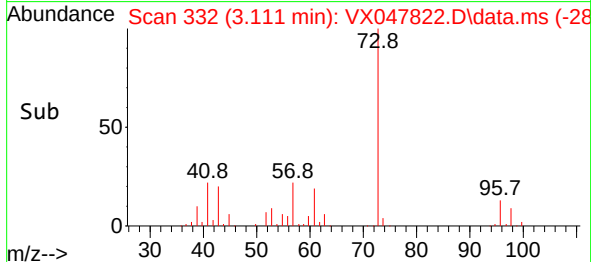
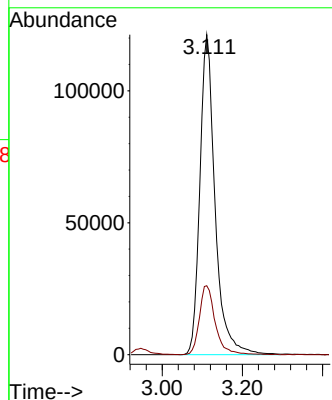
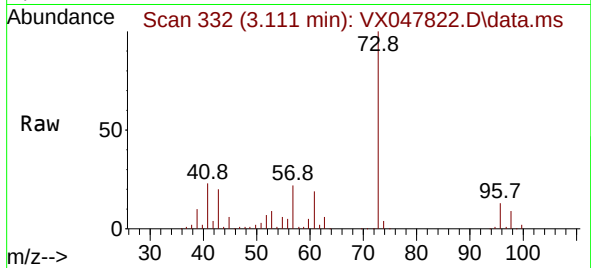




#19
Methyl tert-butyl Ether
Concen: 68.110 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

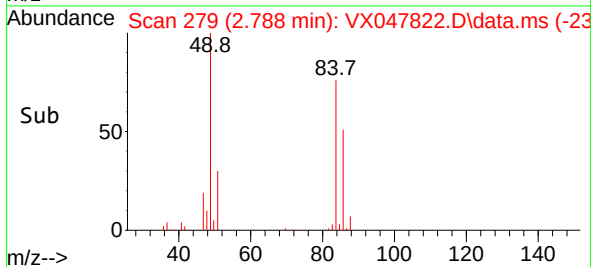
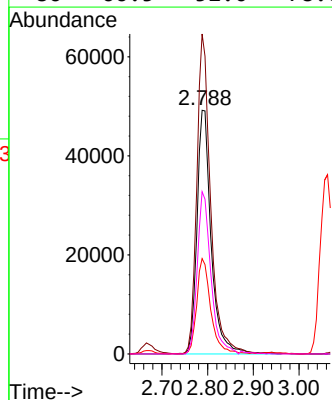
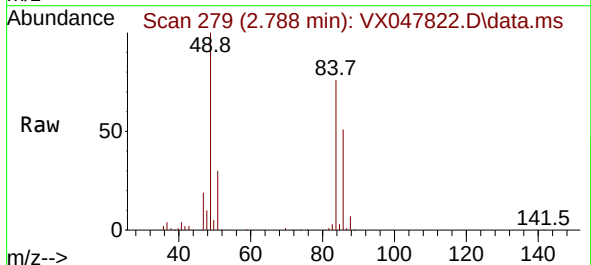
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

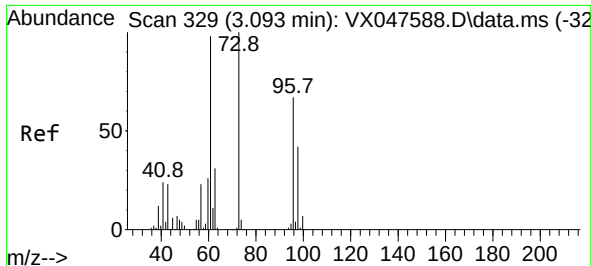
Tgt Ion: 73 Resp: 318759
Ion Ratio Lower Upper
73 100
57 21.5 17.4 26.2



#20
Methylene Chloride
Concen: 66.998 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 84 Resp: 105913
Ion Ratio Lower Upper
84 100
49 131.0 108.6 162.8
51 39.1 32.6 48.8
86 66.5 52.0 78.0

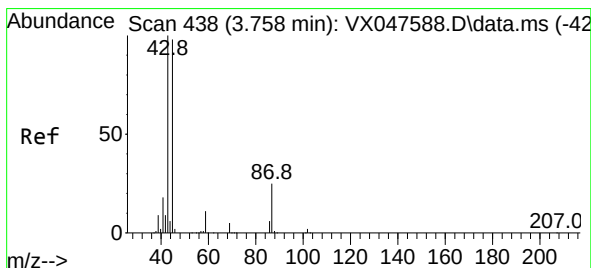
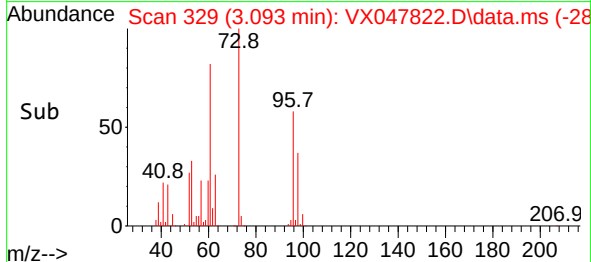
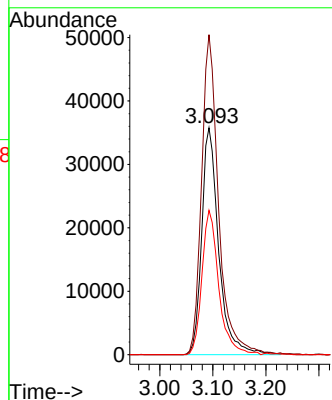
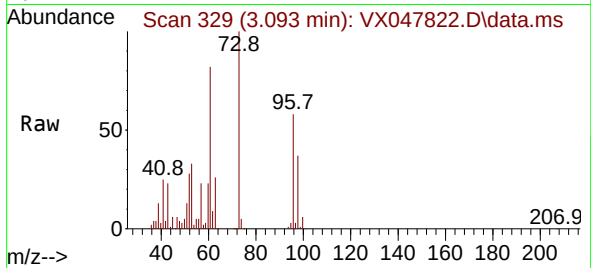




#21
trans-1,2-Dichloroethene
Concen: 57.742 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

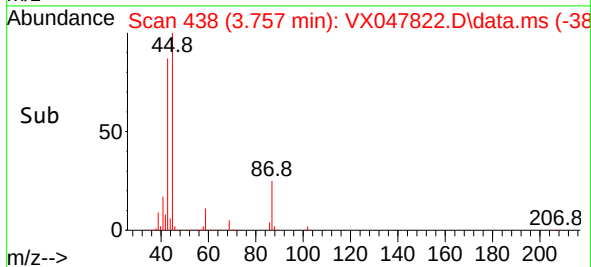
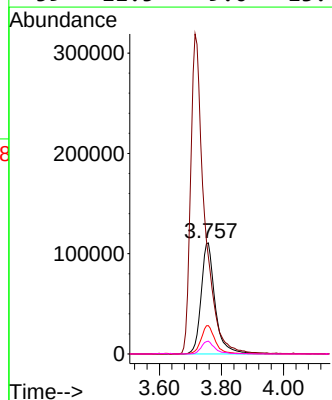
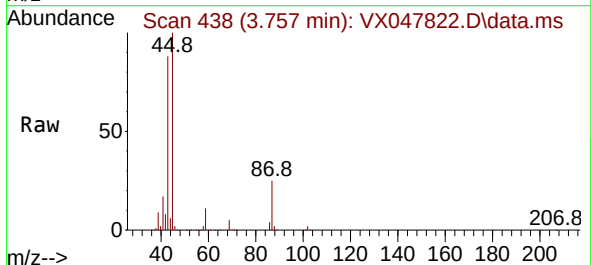
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

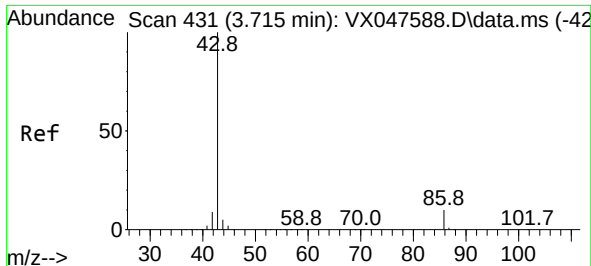
Tgt Ion: 96 Resp: 79701
Ion Ratio Lower Upper
96 100
61 141.0 116.2 174.2
98 63.6 49.3 73.9



#22
Diisopropyl ether
Concen: 67.421 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 45 Resp: 345679
Ion Ratio Lower Upper
45 100
43 87.0 81.0 121.4
87 25.5 20.3 30.5
59 11.5 9.0 13.4

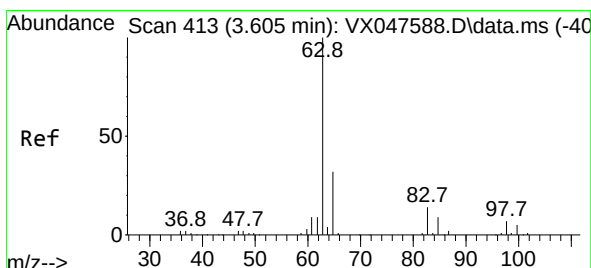
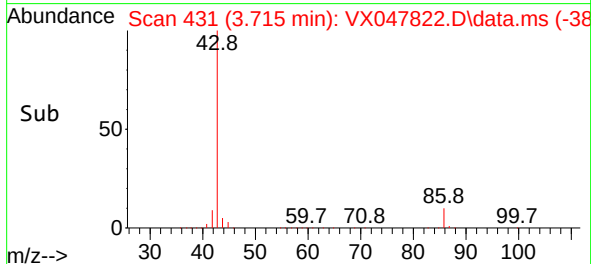
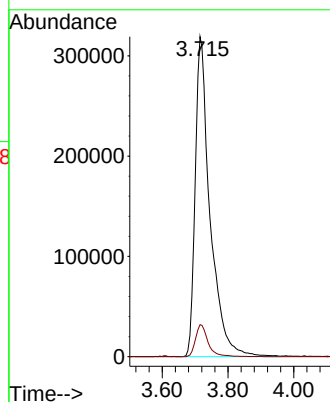
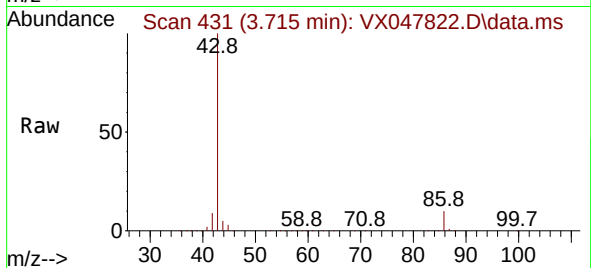




#23
 Vinyl Acetate
 Concen: 242.988 ug/l
 RT: 3.715 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX047822.D
 Acq: 25 Sep 2025 18:48

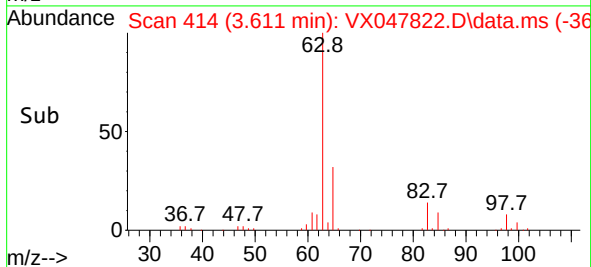
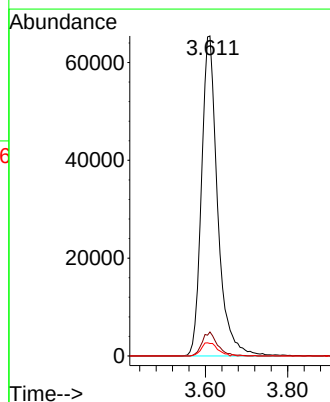
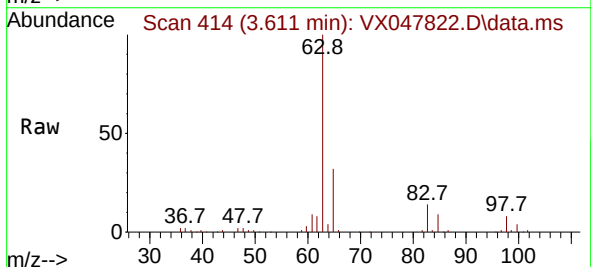
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-320-322MSD

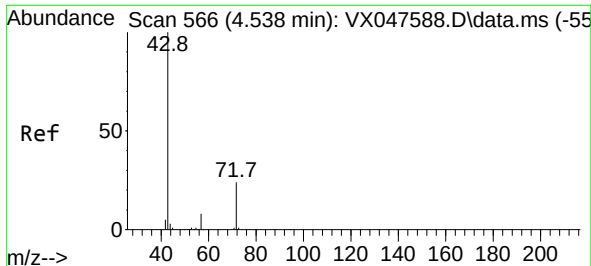
Tgt Ion: 43 Resp: 997105
 Ion Ratio Lower Upper
 43 100
 86 10.0 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 65.213 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.006 min
 Lab File: VX047822.D
 Acq: 25 Sep 2025 18:48

Tgt Ion: 63 Resp: 177714
 Ion Ratio Lower Upper
 63 100
 98 8.0 3.8 11.2
 100 3.9 2.3 6.9





#25

2-Butanone

Concen: 356.161 ug/l

RT: 4.544 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX047822.D

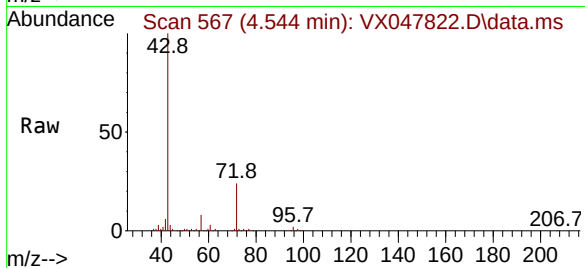
Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

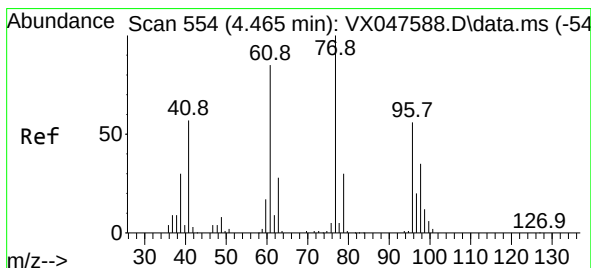
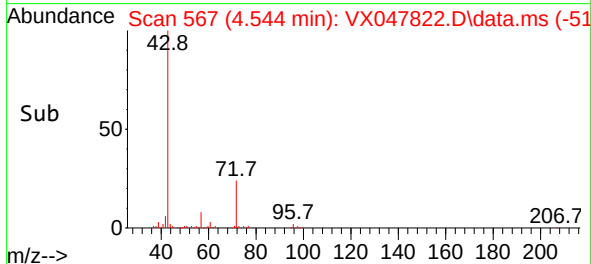
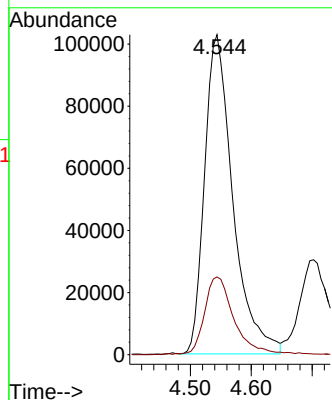


Tgt Ion: 43 Resp: 331790

Ion Ratio Lower Upper

43 100

72 23.9 20.1 30.1



#26

2,2-Dichloropropane

Concen: 20.100 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX047822.D

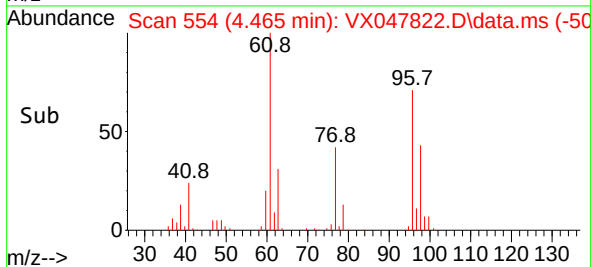
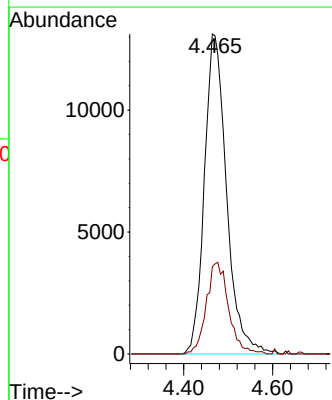
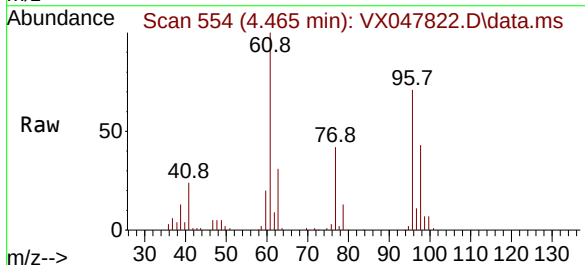
Acq: 25 Sep 2025 18:48

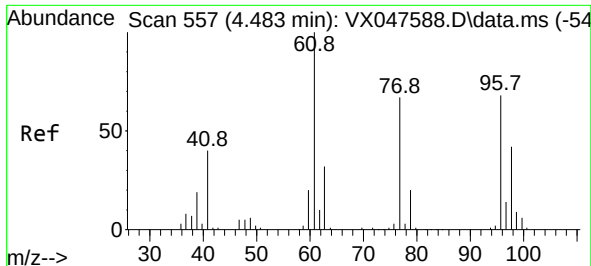
Tgt Ion: 77 Resp: 45532

Ion Ratio Lower Upper

77 100

97 28.6 10.9 32.7

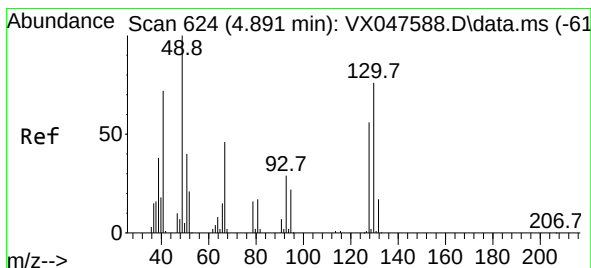
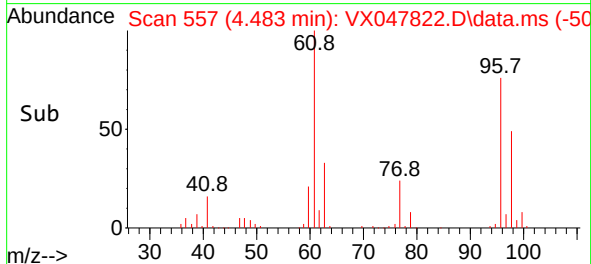
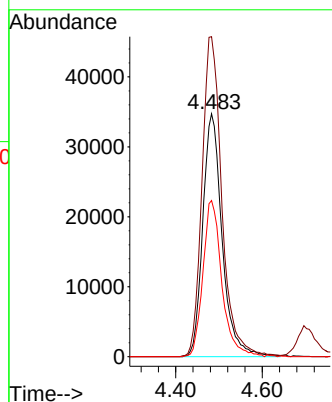
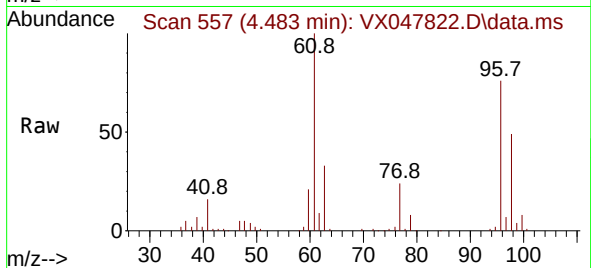




#27
cis-1,2-Dichloroethene
Concen: 63.633 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

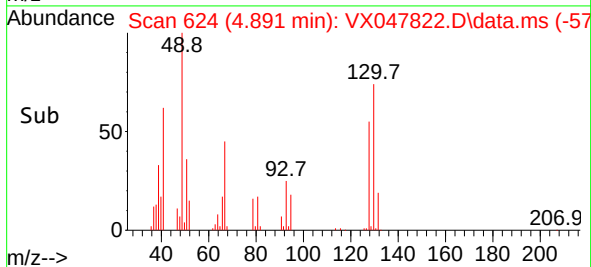
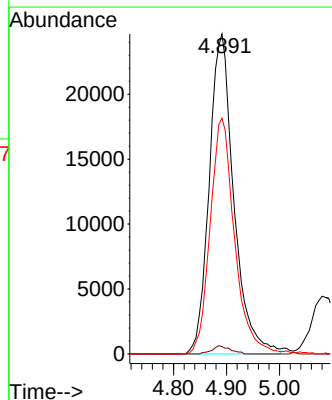
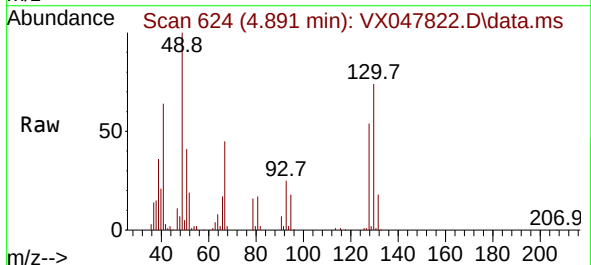
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

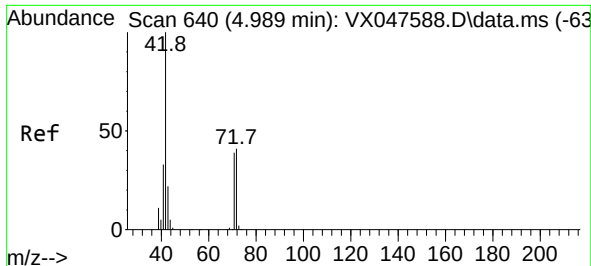
Tgt Ion: 96 Resp: 107566
Ion Ratio Lower Upper
96 100
61 135.6 0.0 303.2
98 62.9 0.0 127.8



#28
Bromochloromethane
Concen: 66.627 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 49 Resp: 79267
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.2
130 73.3 57.8 86.8





#29

Tetrahydrofuran

Concen: 373.639 ug/l

RT: 4.989 min Scan# 640

Delta R.T. -0.000 min

Lab File: VX047822.D

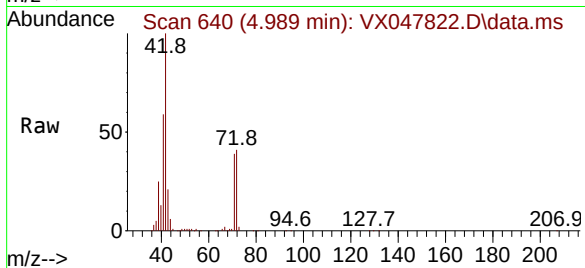
Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD



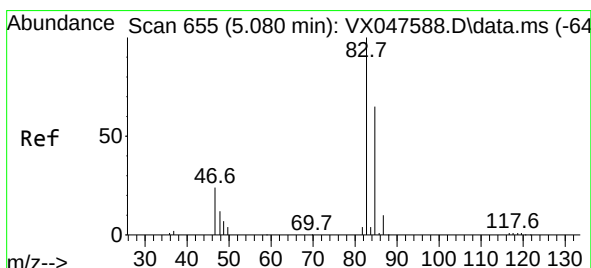
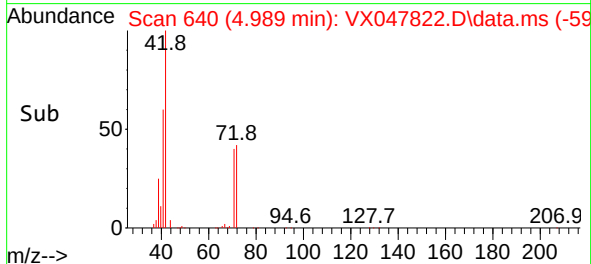
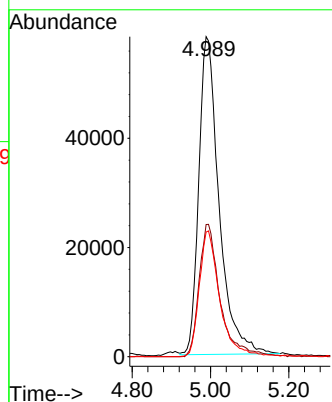
Tgt Ion: 42 Resp: 209392

Ion Ratio Lower Upper

42 100

72 43.1 34.2 51.2

71 39.9 31.9 47.9



#30

Chloroform

Concen: 69.304 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX047822.D

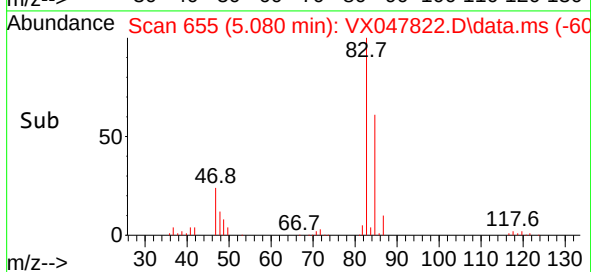
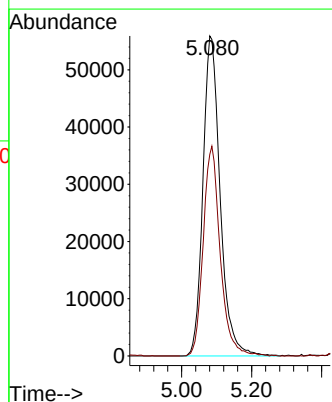
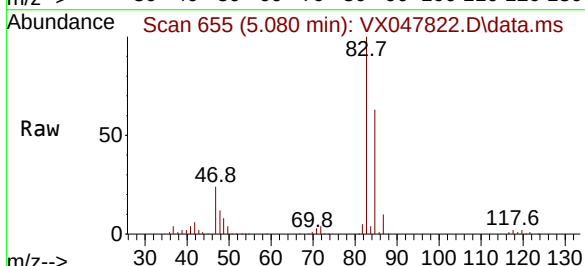
Acq: 25 Sep 2025 18:48

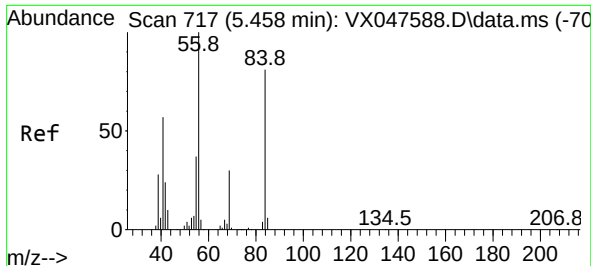
Tgt Ion: 83 Resp: 190851

Ion Ratio Lower Upper

83 100

85 63.0 51.8 77.6

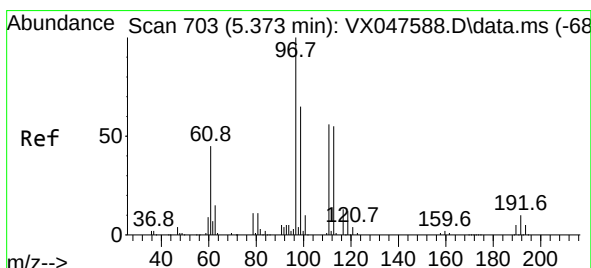
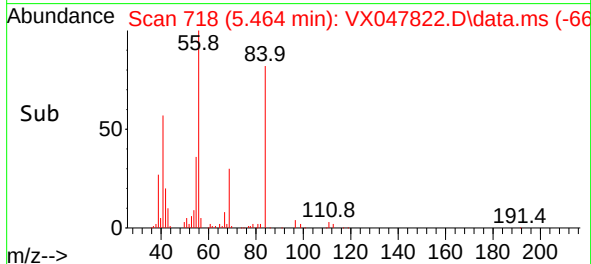
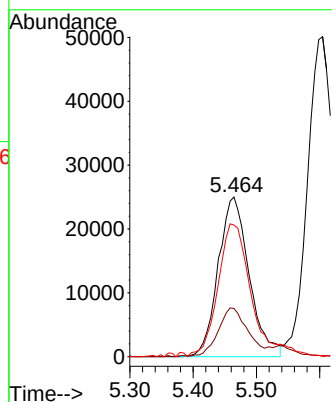
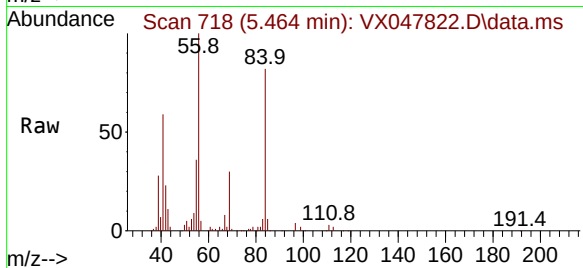




#31
Cyclohexane
Concen: 37.463 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

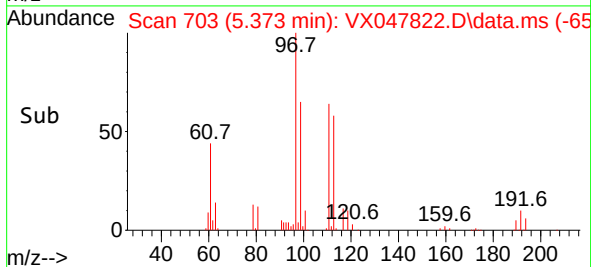
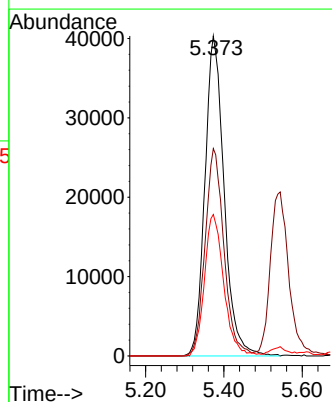
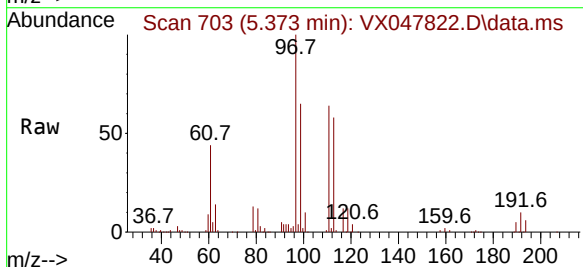
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

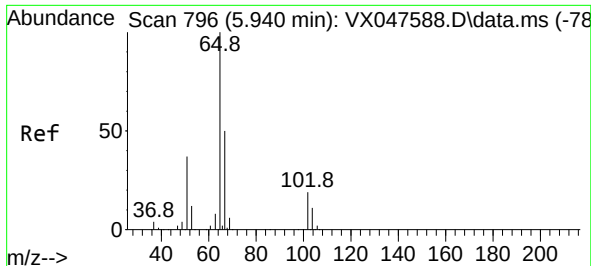
Tgt Ion:	56	Resp:	85029
Ion Ratio	Lower	Upper	
56	100		
69	29.5	23.8	35.8
84	79.7	64.6	97.0



#32
1,1,1-Trichloroethane
Concen: 58.661 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion:	97	Resp:	137022
Ion Ratio	Lower	Upper	
97	100		
99	63.8	50.6	76.0
61	44.6	35.8	53.8

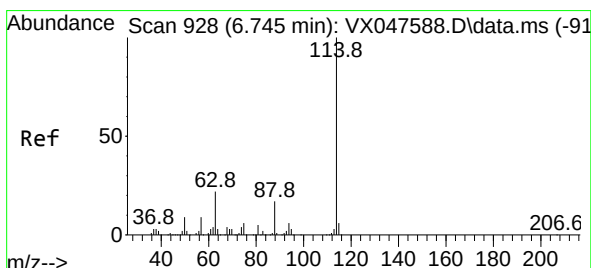
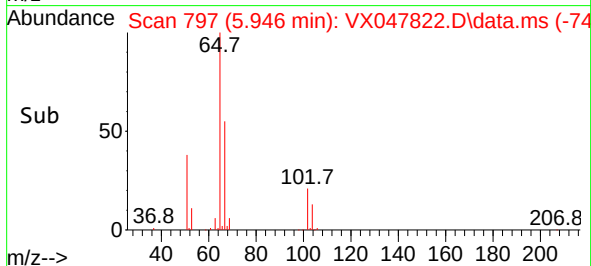
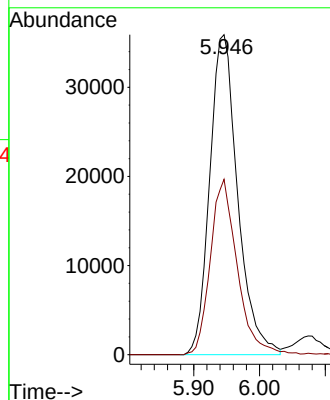
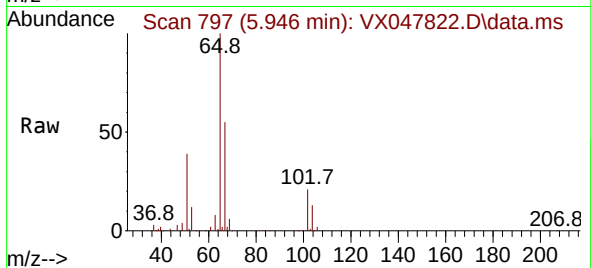




#33
1,2-Dichloroethane-d4
Concen: 61.824 ug/l
RT: 5.946 min Scan# 796
Delta R.T. 0.006 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

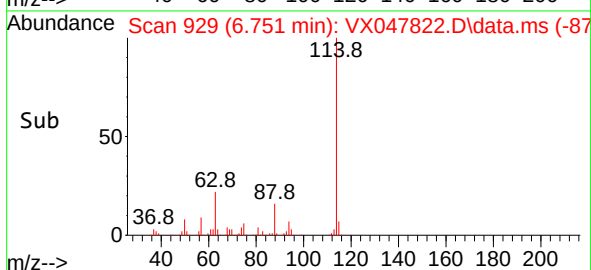
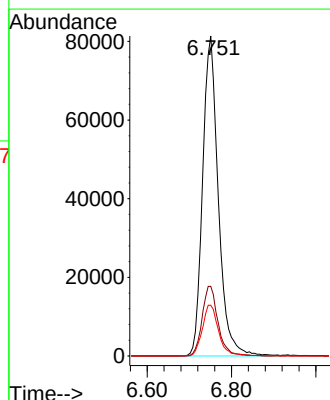
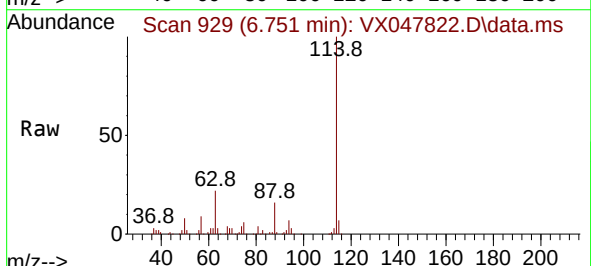
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

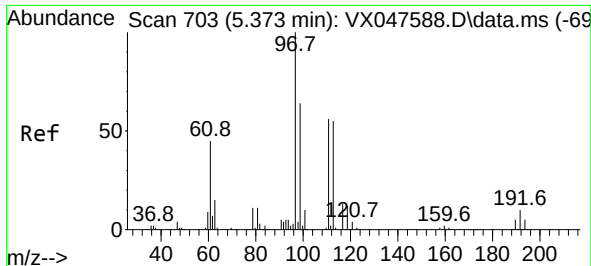
Tgt Ion: 65 Resp: 106191
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 114 Resp: 210706
Ion Ratio Lower Upper
114 100
63 21.7 0.0 44.0
88 15.8 0.0 34.2

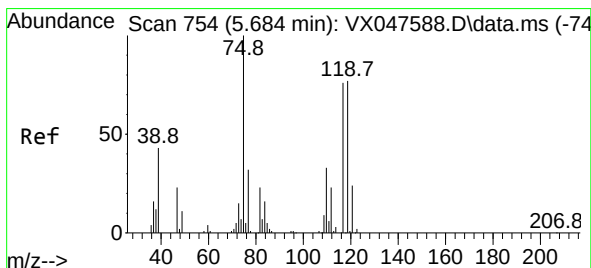
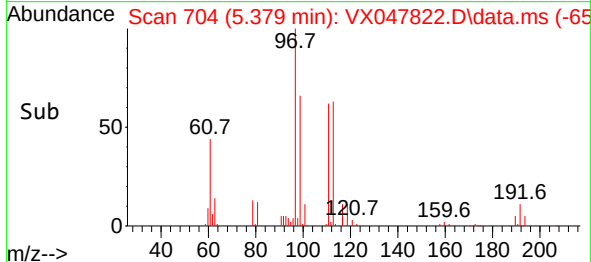
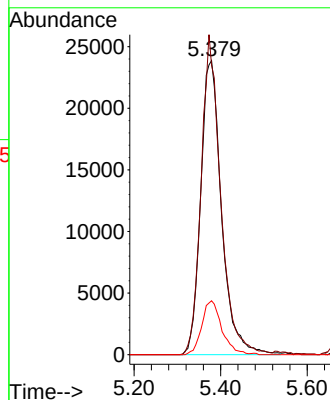
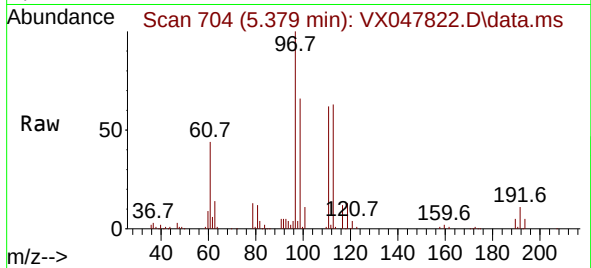




#35
Dibromofluoromethane
Concen: 56.565 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

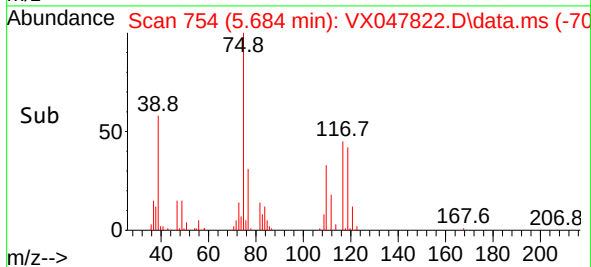
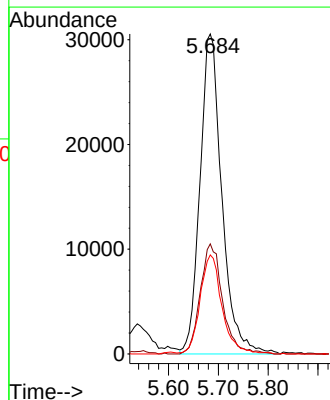
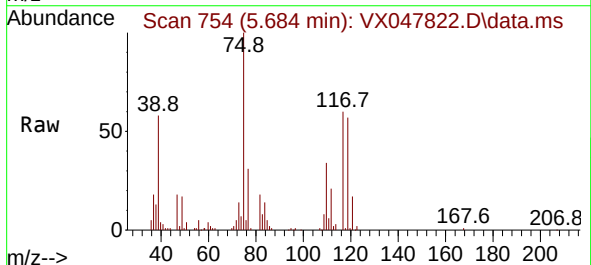
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

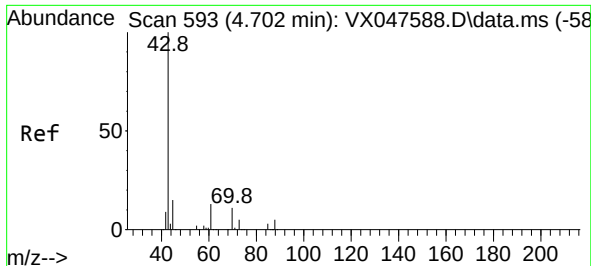
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.9	121.3
192	17.6	14.2	21.4



#36
1,1-Dichloropropene
Concen: 45.137 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	16.7	50.1
77	30.2	24.3	36.5

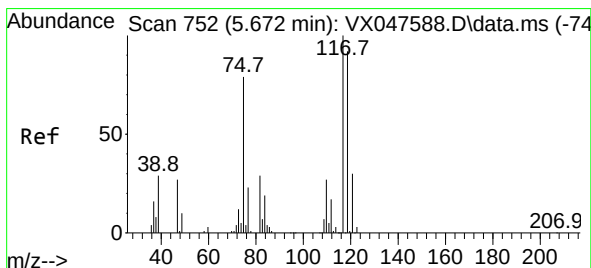
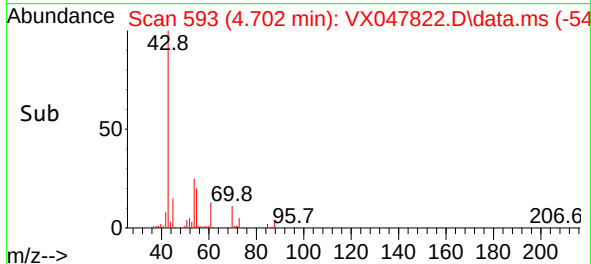
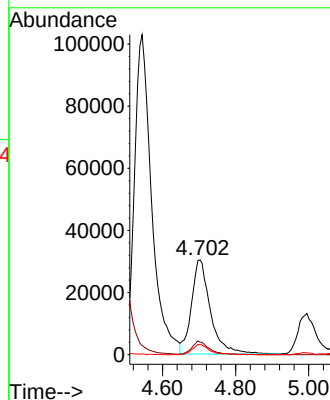
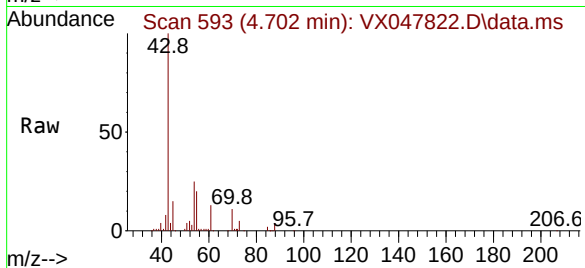




#37
Ethyl Acetate
Concen: 49.721 ug/l
RT: 4.702 min Scan# 593
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

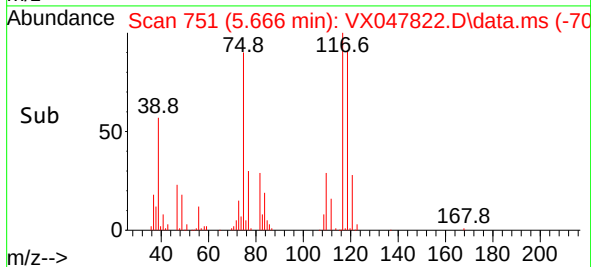
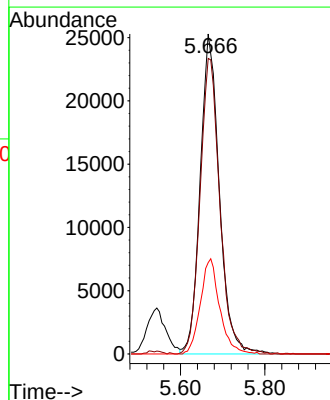
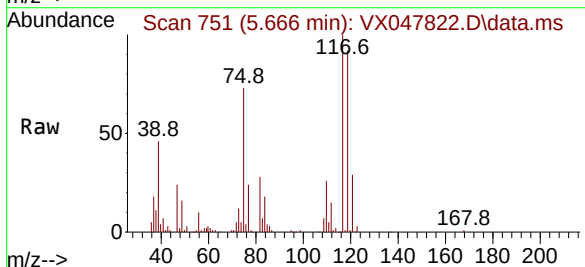
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

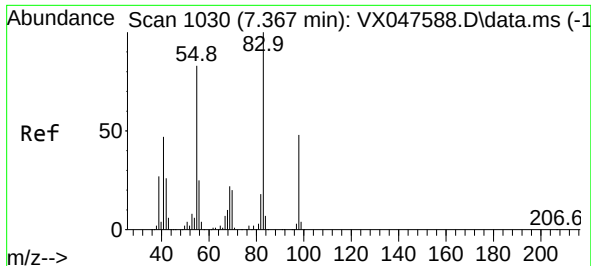
Tgt Ion: 43 Resp: 109929
Ion Ratio Lower Upper
43 100
61 13.2 9.8 14.8
70 9.6 7.9 11.9



#38
Carbon Tetrachloride
Concen: 35.644 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 117 Resp: 79969
Ion Ratio Lower Upper
117 100
119 92.4 73.4 110.2
121 28.6 23.8 35.6

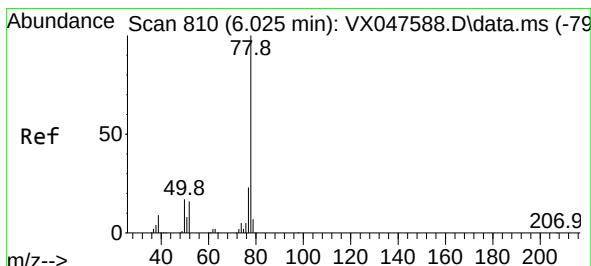
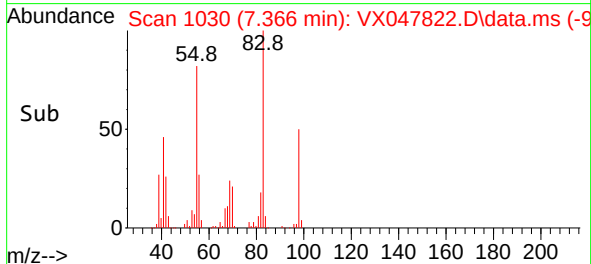
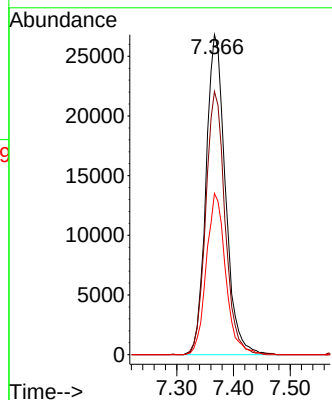
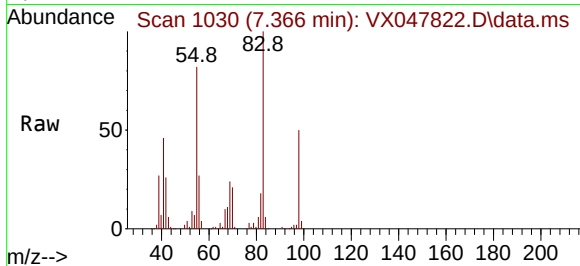




#39
Methylcyclohexane
Concen: 27.175 ug/l
RT: 7.366 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

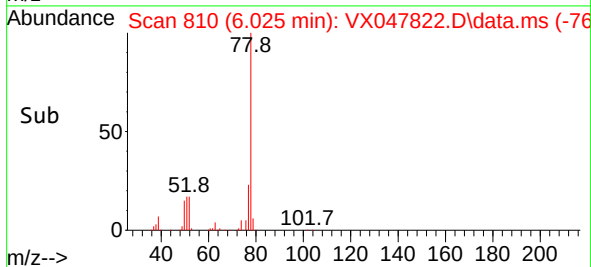
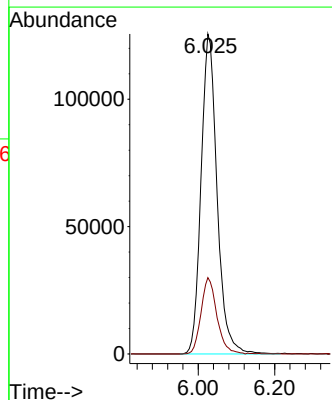
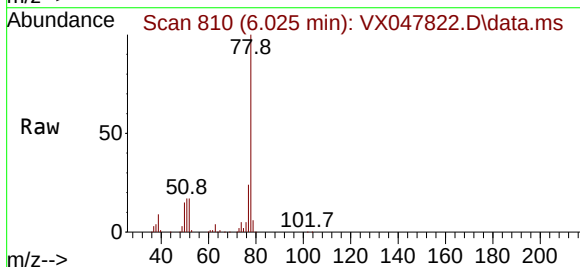
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

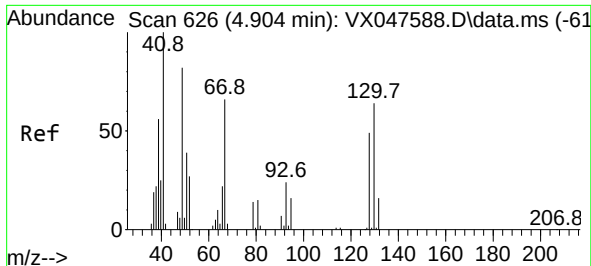
Tgt Ion:	83	Resp:	63696
Ion	Ratio	Lower	Upper
83	100		
55	82.3	66.4	99.6
98	50.4	38.1	57.1



#40
Benzene
Concen: 58.195 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion:	78	Resp:	364974
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2

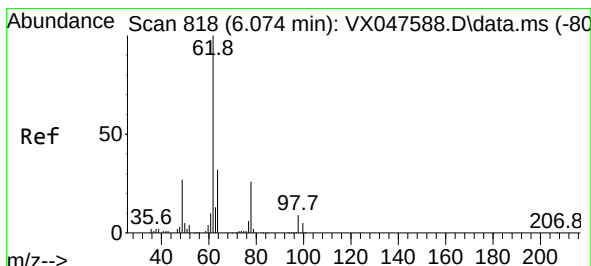
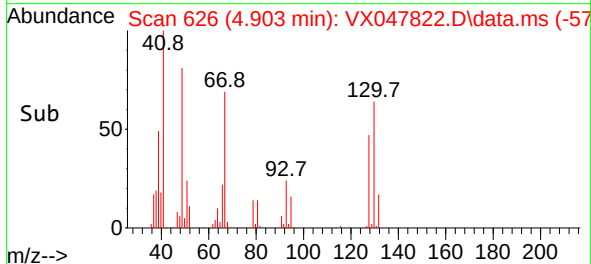
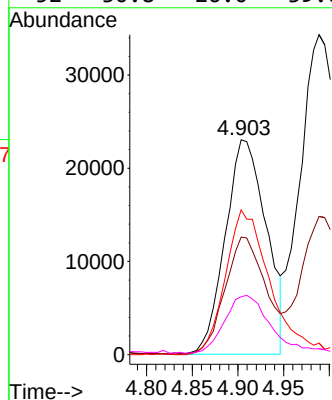
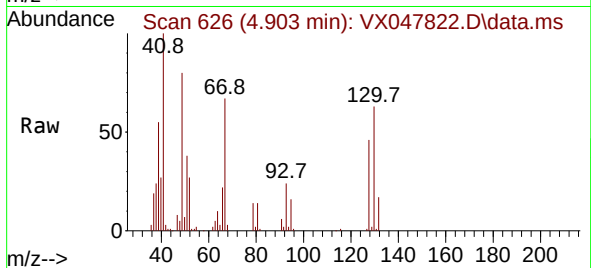




#41
Methacrylonitrile
Concen: 63.018 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

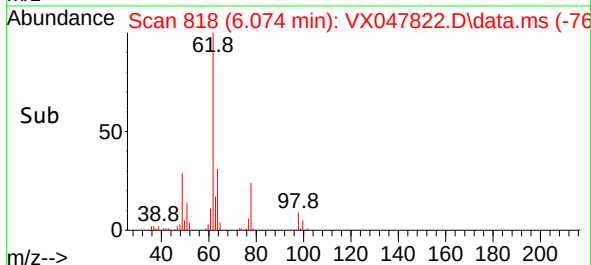
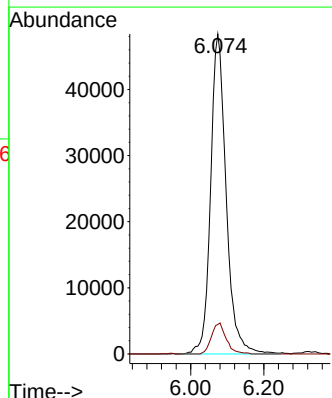
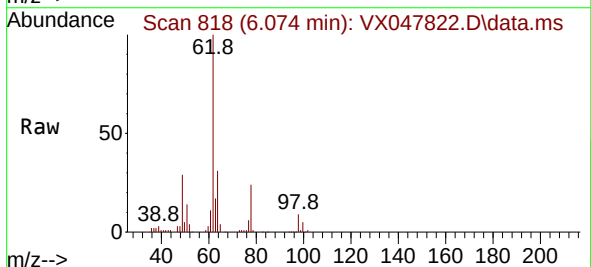
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

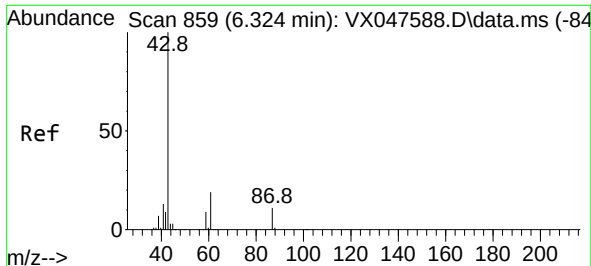
Tgt Ion:	41	Resp:	71928
Ion	Ratio	Lower	Upper
41	100		
39	53.7	43.3	64.9
67	75.5	58.6	87.8
52	30.8	26.0	39.0



#42
1,2-Dichloroethane
Concen: 59.747 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion:	62	Resp:	142572
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0

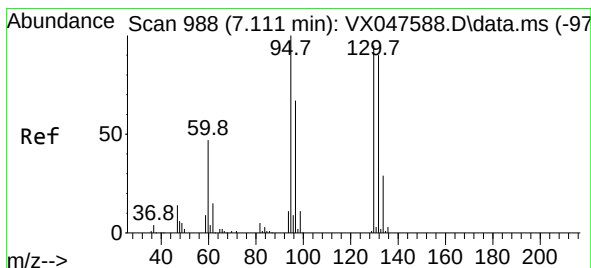
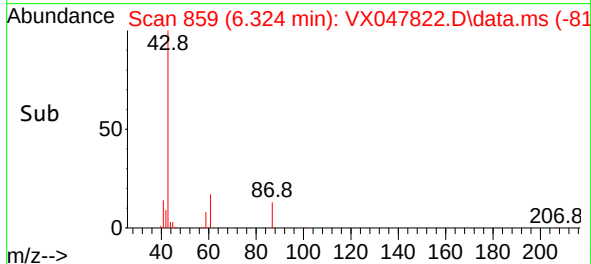
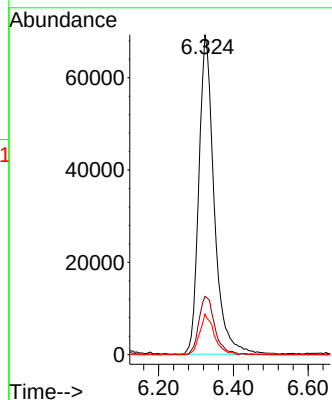
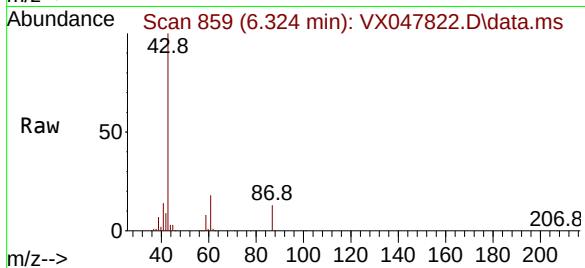




#43
Isopropyl Acetate
Concen: 54.186 ug/l
RT: 6.324 min Scan# 859
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

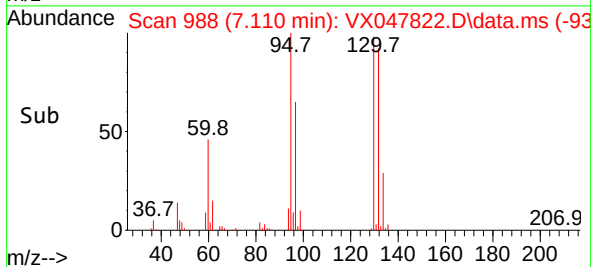
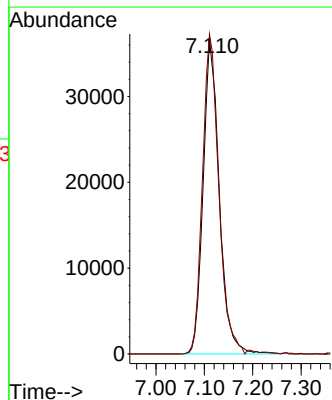
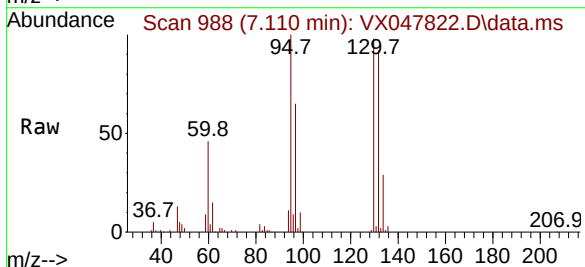
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

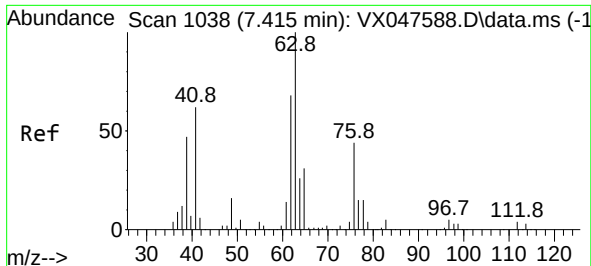
Tgt Ion: 43 Resp: 196479
Ion Ratio Lower Upper
43 100
61 18.9 15.2 22.8
87 12.0 9.6 14.4



#44
Trichloroethene
Concen: 56.233 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion:130 Resp: 85262
Ion Ratio Lower Upper
130 100
95 101.8 0.0 210.8





#45

1,2-Dichloropropane

Concen: 61.092 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

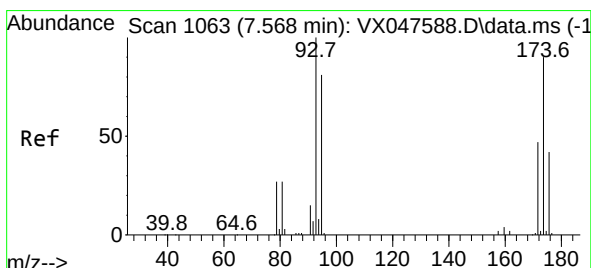
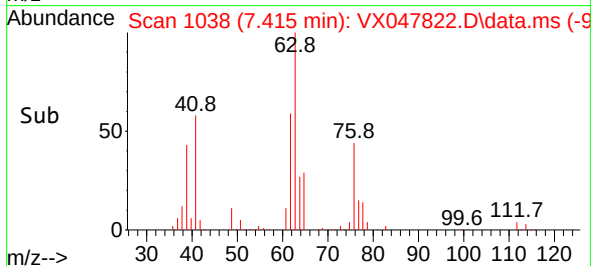
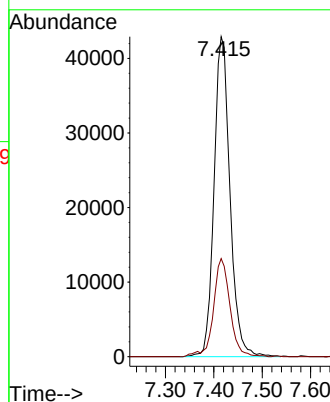
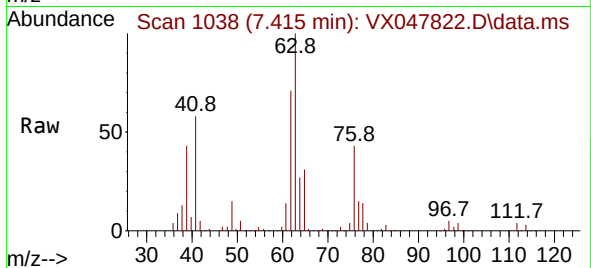
BP-VPB-184-GW-320-322MSD

Tgt Ion: 63 Resp: 98109

Ion Ratio Lower Upper

63 100

65 30.6 24.7 37.1



#46

Dibromomethane

Concen: 63.124 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

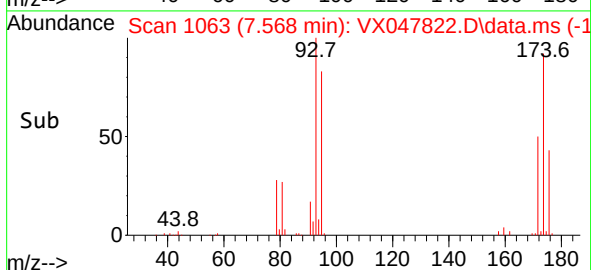
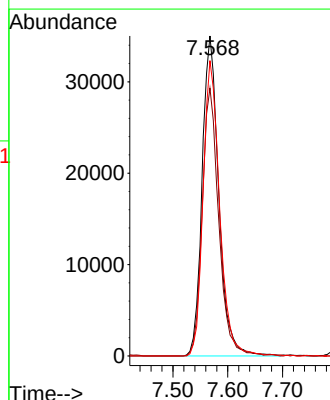
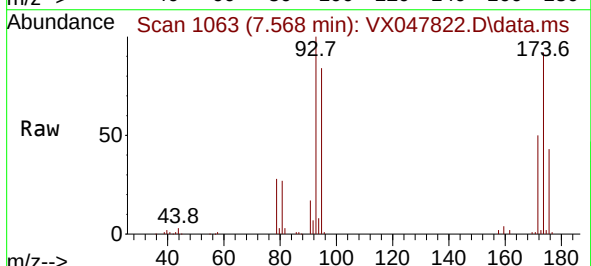
Tgt Ion: 93 Resp: 73769

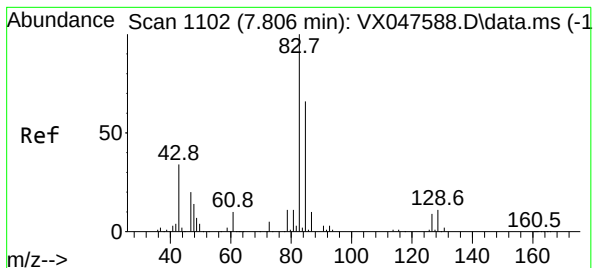
Ion Ratio Lower Upper

93 100

95 83.1 65.0 97.6

174 91.9 71.6 107.4





#47

Bromodichloromethane

Concen: 44.842 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VX047822.D

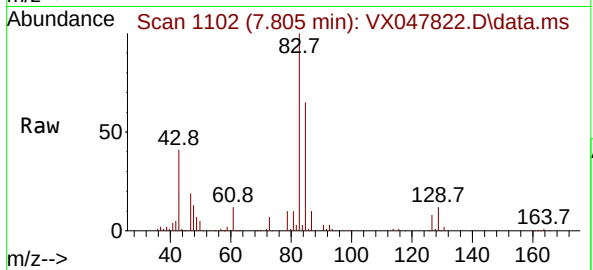
Acq: 25 Sep 2025 18:48

Instrument :

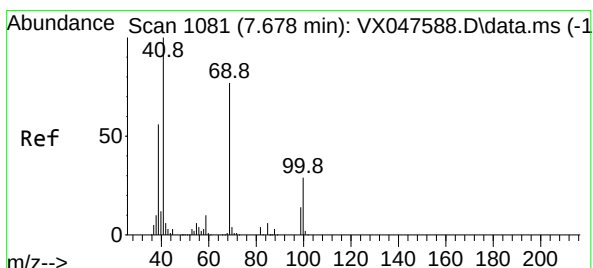
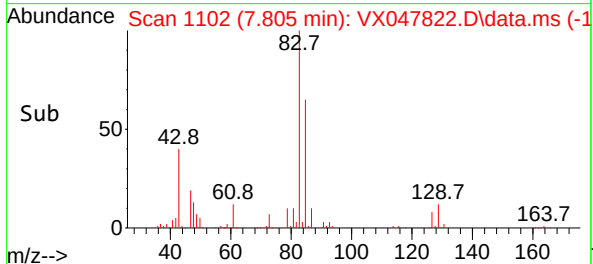
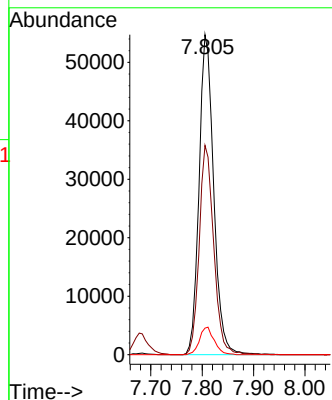
MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD



Tgt Ion:	83	Resp:	108137
Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.5	78.7
127	8.3	6.9	10.3



#48

Methyl methacrylate

Concen: 62.622 ug/l

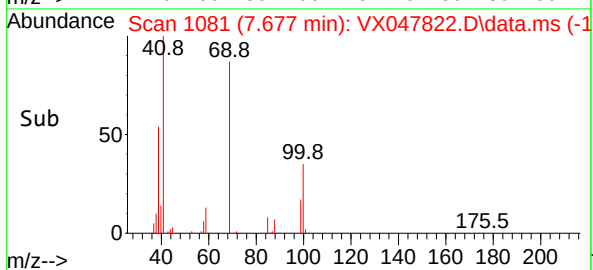
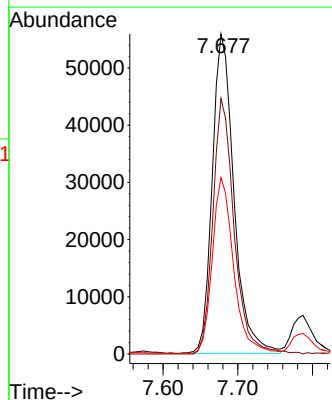
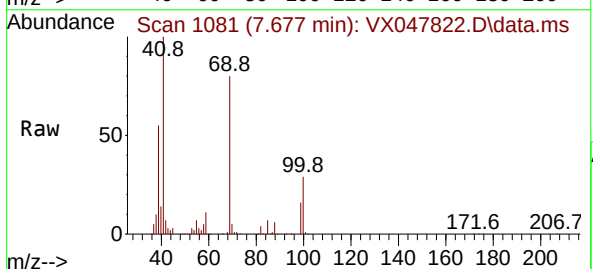
RT: 7.677 min Scan# 1081

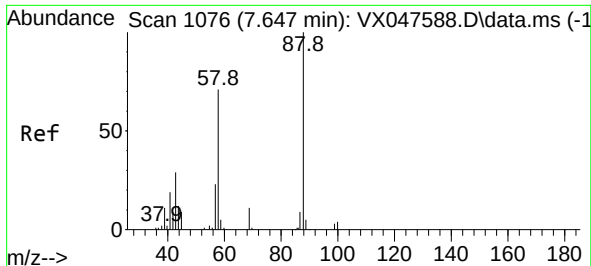
Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Tgt Ion:	41	Resp:	113105
Ion	Ratio	Lower	Upper
41	100		
69	78.2	61.4	92.2
39	54.0	45.8	68.6





#49

1,4-Dioxane

Concen: 1613.910 ug/l

RT: 7.641 min Scan# 1076

Delta R.T. -0.006 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

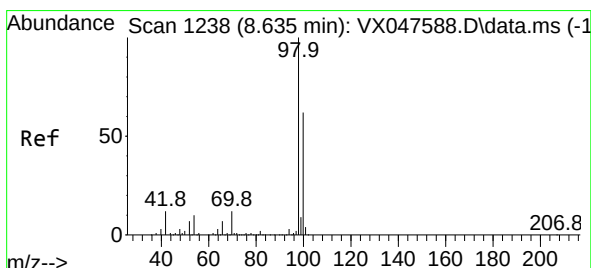
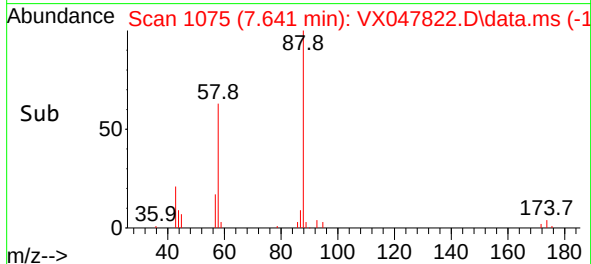
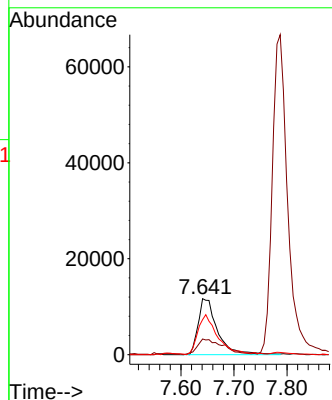
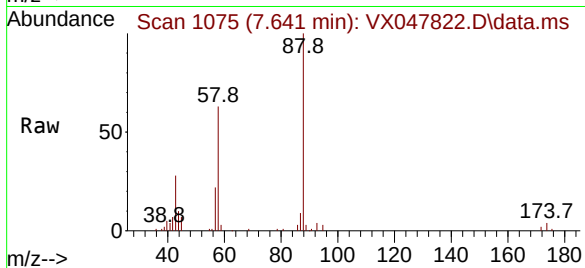
Tgt Ion: 88 Resp: 29459

Ion Ratio Lower Upper

88 100

43 37.3 30.2 45.2

58 74.0 59.5 89.3



#50

Toluene-d8

Concen: 49.852 ug/l

RT: 8.634 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047822.D

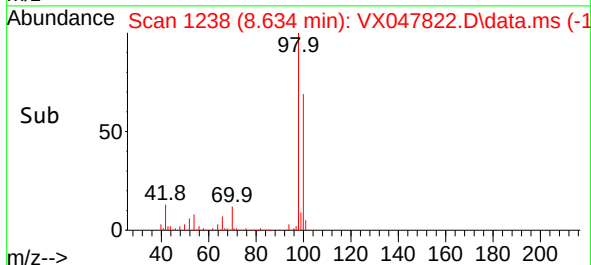
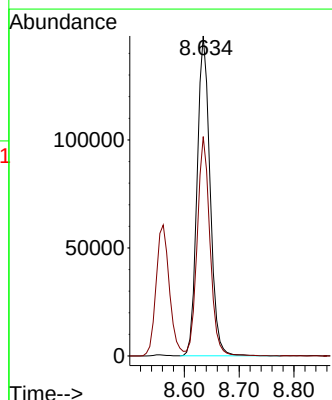
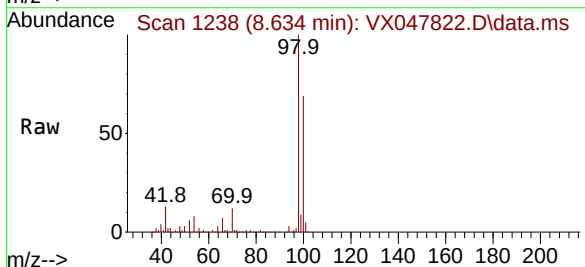
Acq: 25 Sep 2025 18:48

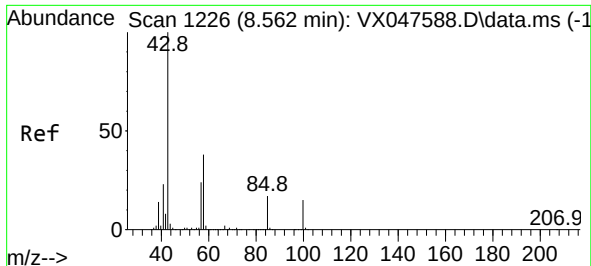
Tgt Ion: 98 Resp: 243759

Ion Ratio Lower Upper

98 100

100 67.8 53.0 79.4

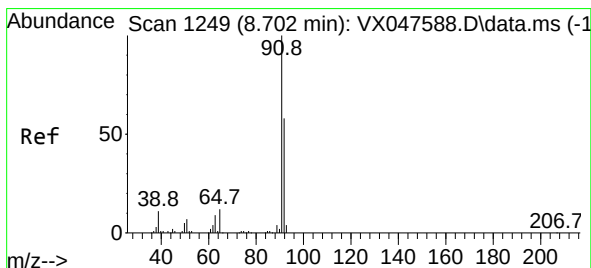
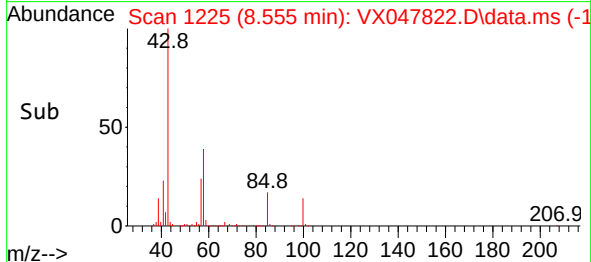
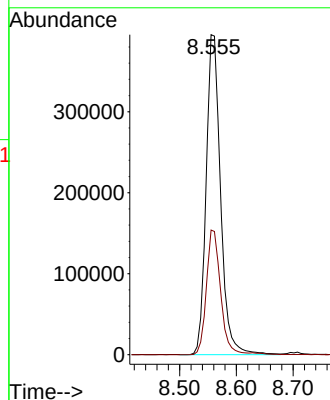
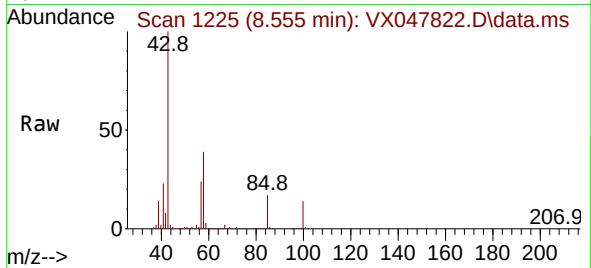




#51
4-Methyl-2-Pentanone
Concen: 347.659 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

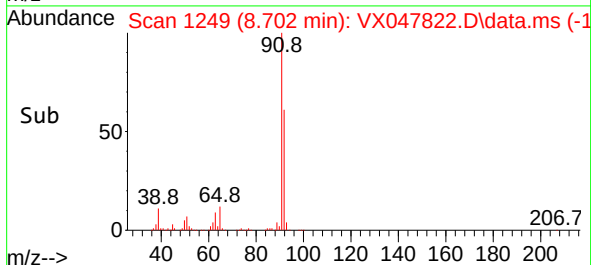
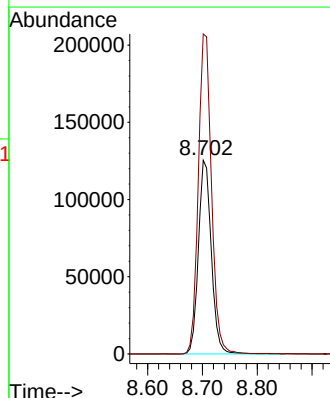
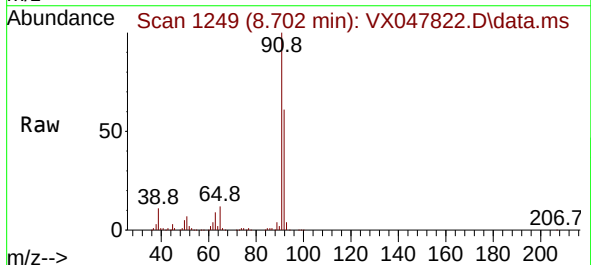
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

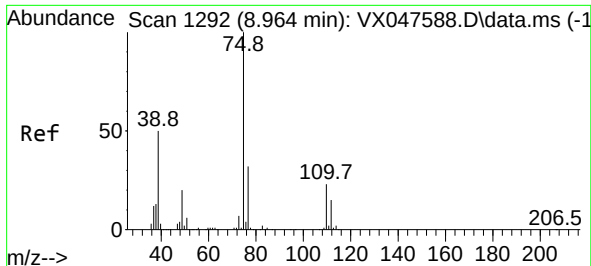
Tgt Ion: 43 Resp: 698942
Ion Ratio Lower Upper
43 100
58 38.7 30.3 45.5



#52
Toluene
Concen: 53.171 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 92 Resp: 205447
Ion Ratio Lower Upper
92 100
91 169.4 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 42.142 ug/l

RT: 8.964 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

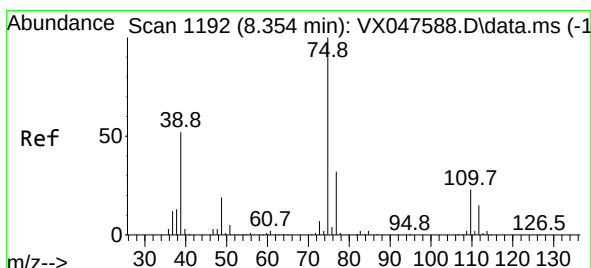
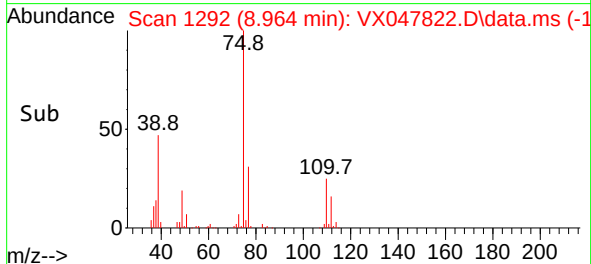
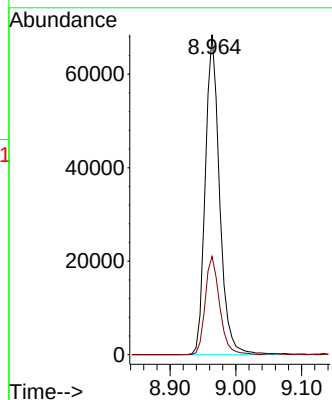
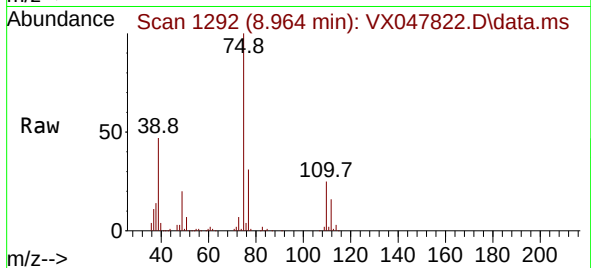
BP-VPB-184-GW-320-322MSD

Tgt Ion: 75 Resp: 103660

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 42.430 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

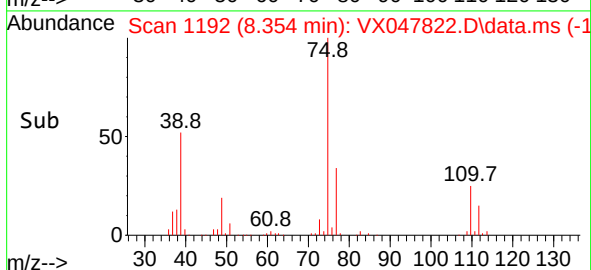
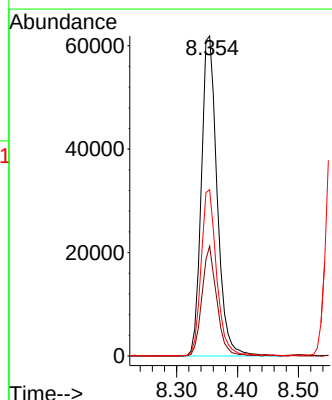
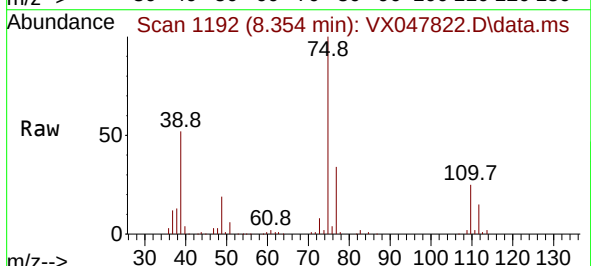
Tgt Ion: 75 Resp: 111553

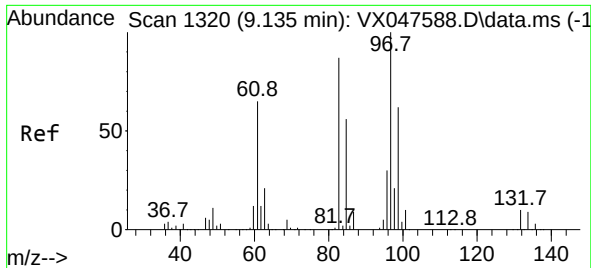
Ion Ratio Lower Upper

75 100

77 34.3 25.8 38.6

39 51.8 41.4 62.2

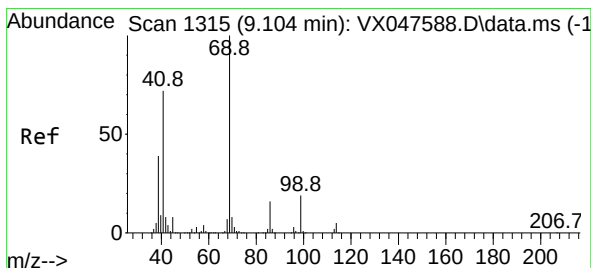
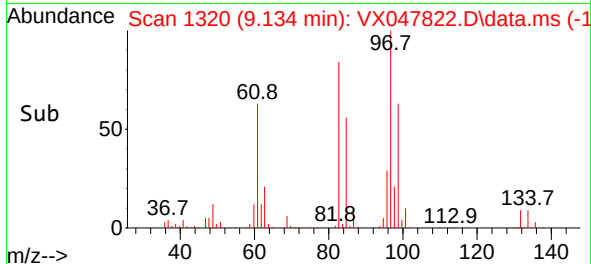
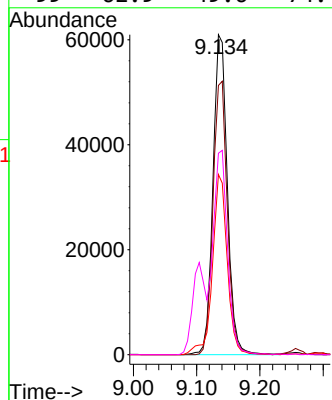
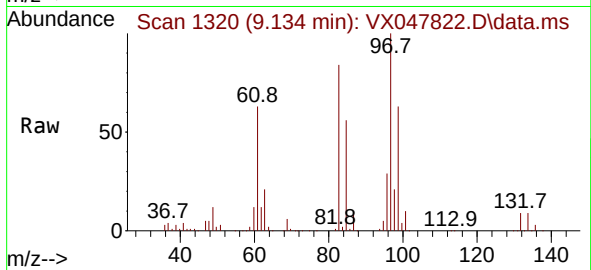




#55
1,1,2-Trichloroethane
Concen: 64.711 ug/l
RT: 9.134 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

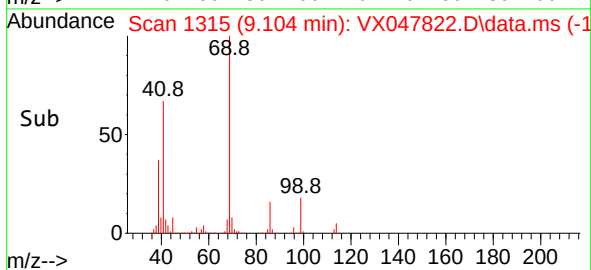
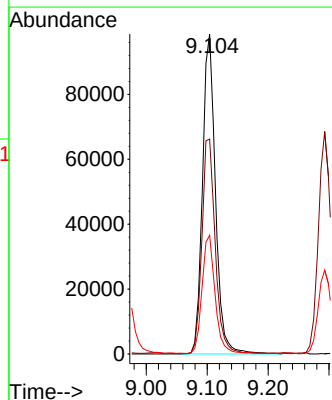
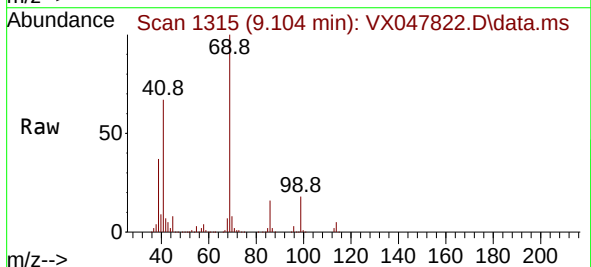
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

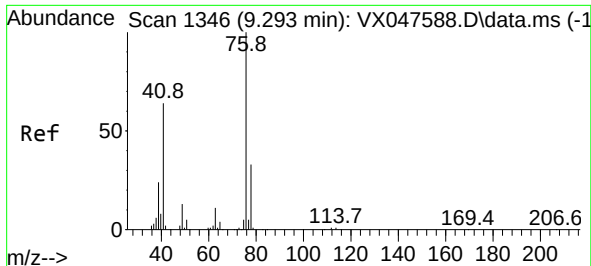
Tgt Ion:	97	Resp:	96413
Ion	Ratio	Lower	Upper
97	100		
83	84.2	69.6	104.4
85	56.3	45.0	67.6
99	62.9	49.6	74.4



#56
Ethyl methacrylate
Concen: 62.576 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion:	69	Resp:	146418
Ion	Ratio	Lower	Upper
69	100		
41	69.1	58.6	87.8
39	37.3	31.5	47.3

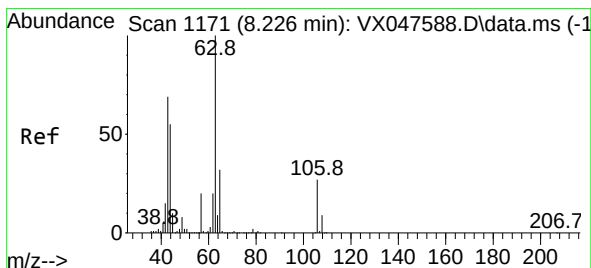
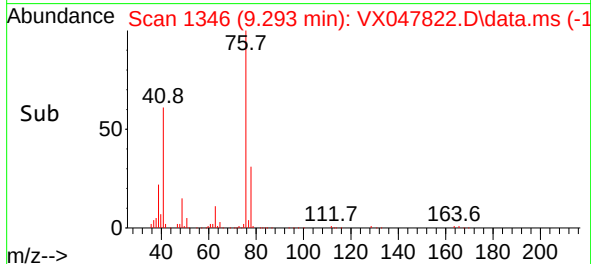
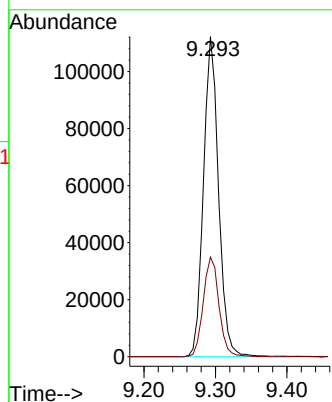
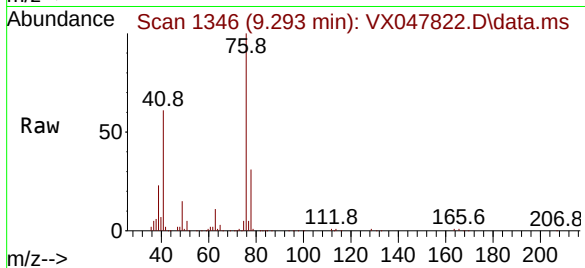




#57
1,3-Dichloropropane
Concen: 64.152 ug/l
RT: 9.293 min Scan# 1158
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

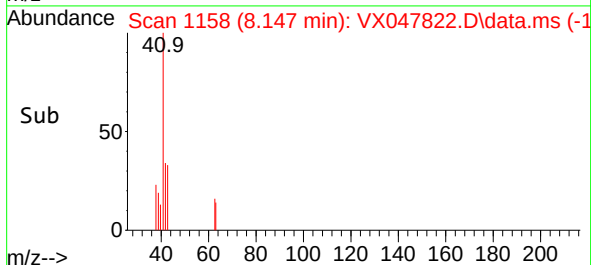
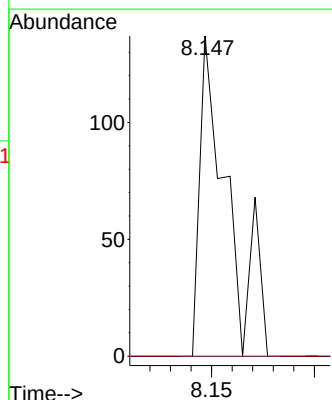
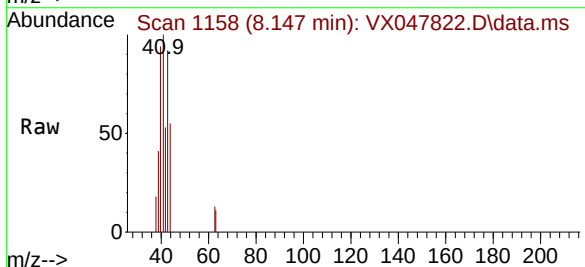
Instrument : MSVOA_X
ClientSampleId : BP-VPB-184-GW-320-322MSD

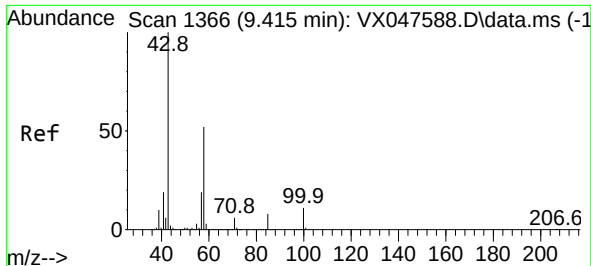
Tgt Ion: 76 Resp: 164190
Ion Ratio Lower Upper
76 100
78 32.4 26.2 39.4



#58
2-Chloroethyl Vinyl ether
Concen: 8.010 ug/l
RT: 8.147 min Scan# 1158
Delta R.T. -0.079 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 63 Resp: 131
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#

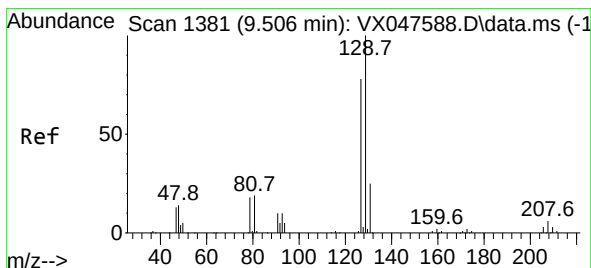
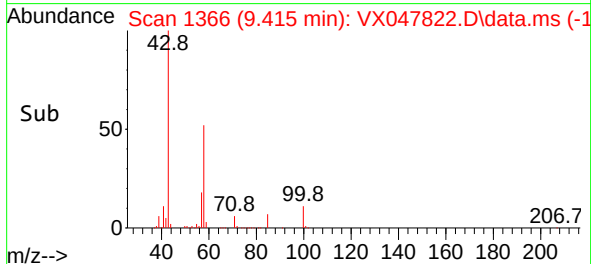
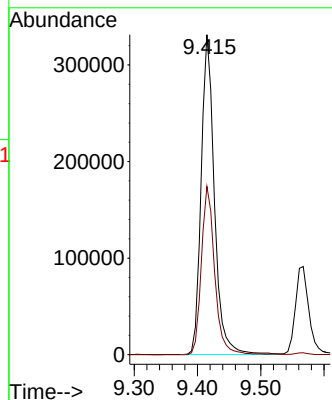
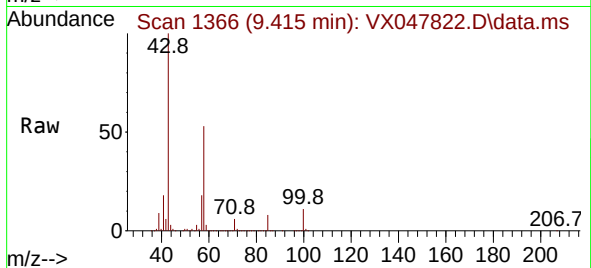




#59
2-Hexanone
Concen: 335.028 ug/l
RT: 9.415 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

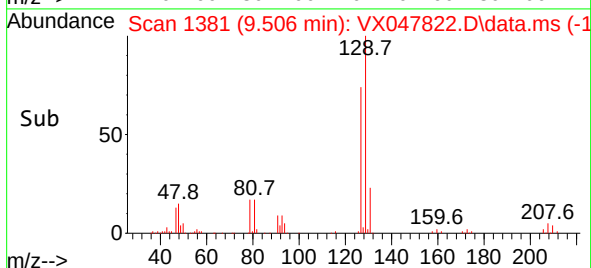
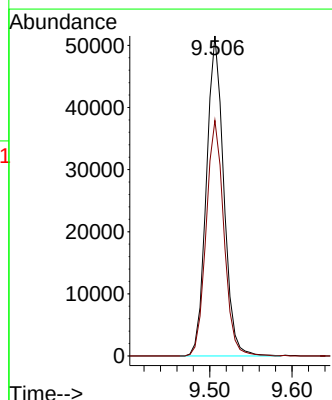
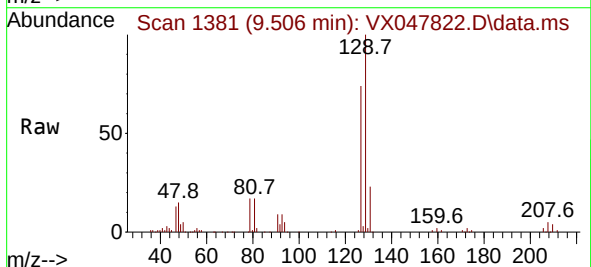
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

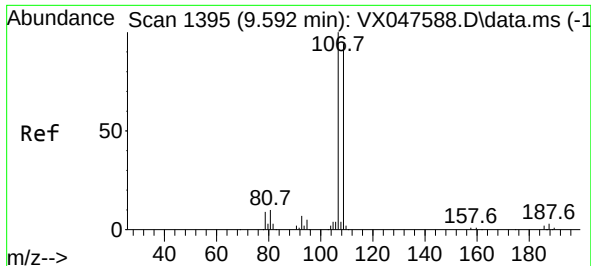
Tgt Ion: 43 Resp: 483745
Ion Ratio Lower Upper
43 100
58 52.9 26.1 78.2



#60
Dibromochloromethane
Concen: 43.991 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 129 Resp: 75519
Ion Ratio Lower Upper
129 100
127 75.2 38.4 115.2

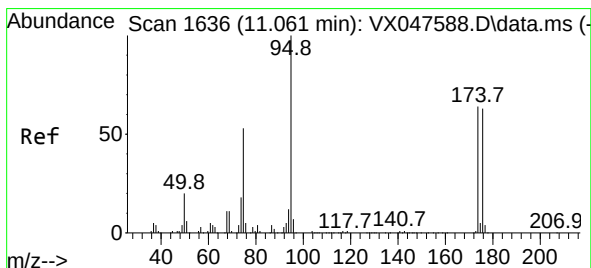
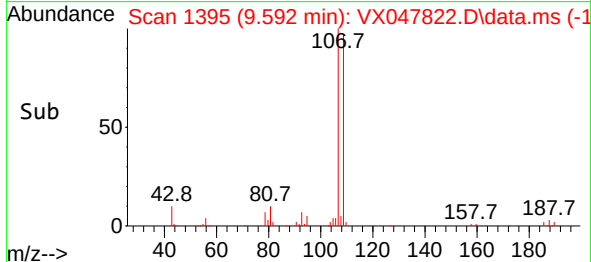
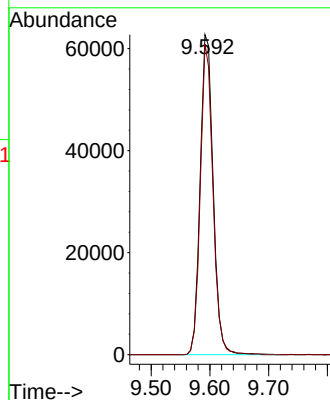
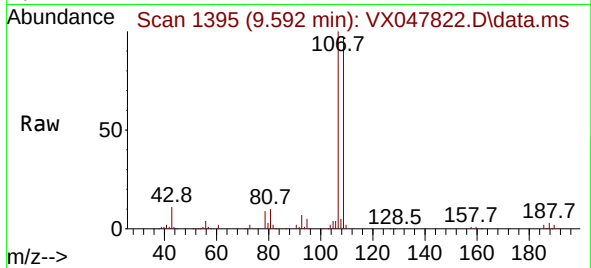




#61
1,2-Dibromoethane
Concen: 63.414 ug/l
RT: 9.592 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

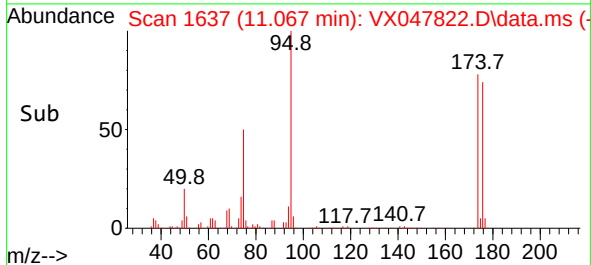
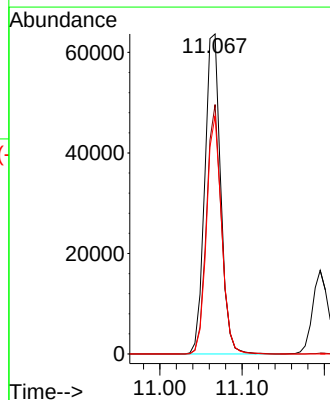
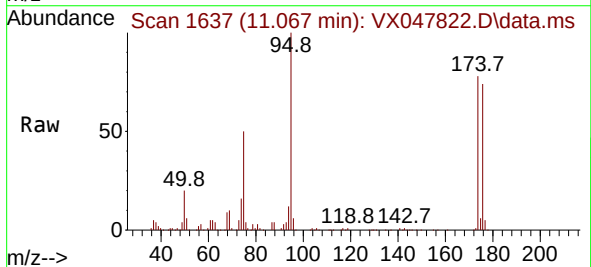
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

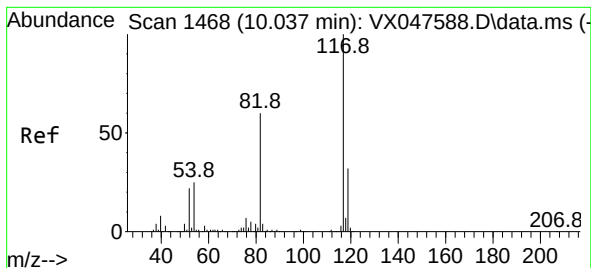
Tgt Ion:107 Resp: 96234
Ion Ratio Lower Upper
107 100
109 94.2 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 45.957 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 95 Resp: 85282
Ion Ratio Lower Upper
95 100
174 73.2 0.0 141.6
176 70.7 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

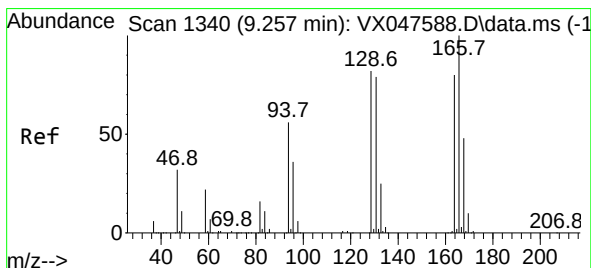
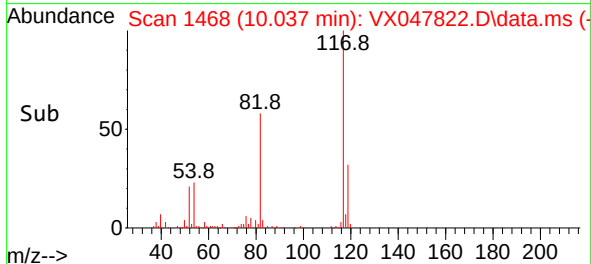
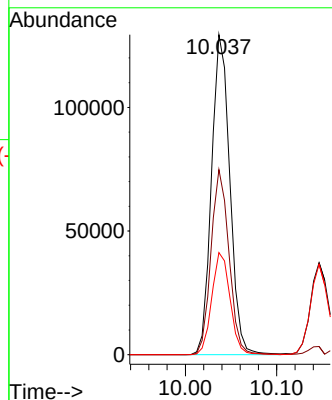
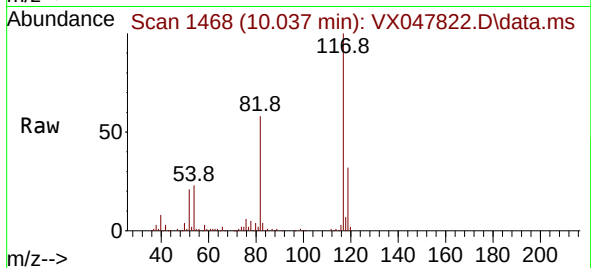
Tgt Ion:117 Resp: 179962

Ion Ratio Lower Upper

117 100

82 57.8 47.8 71.6

119 31.9 25.2 37.8



#64

Tetrachloroethene

Concen: 49.669 ug/l

RT: 9.262 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Tgt Ion:164 Resp: 58270

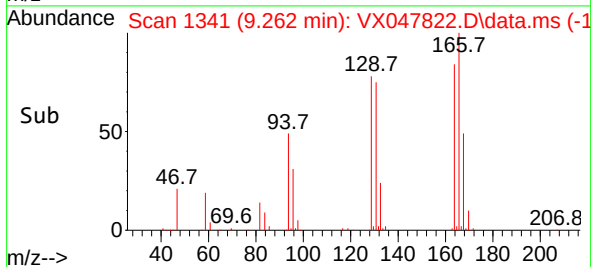
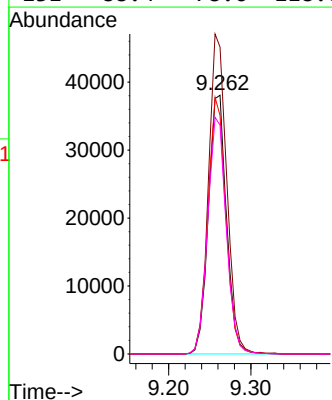
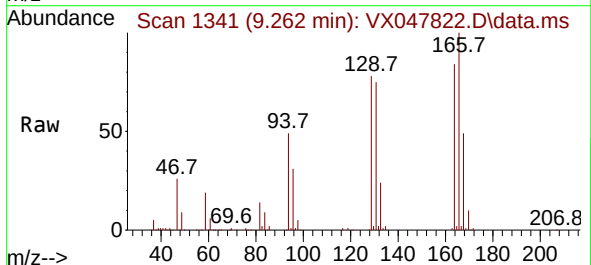
Ion Ratio Lower Upper

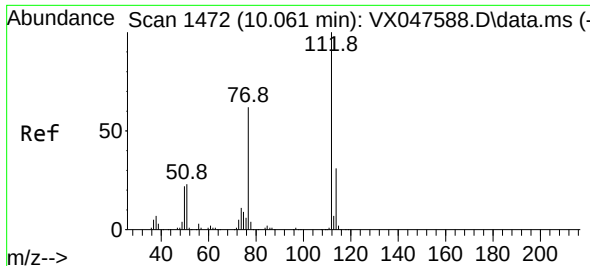
164 100

166 118.6 100.2 150.2

129 92.1 81.8 122.6

131 88.4 78.6 118.0

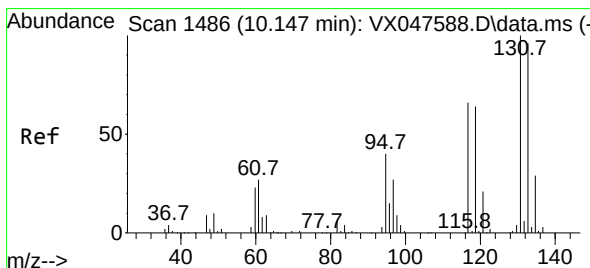
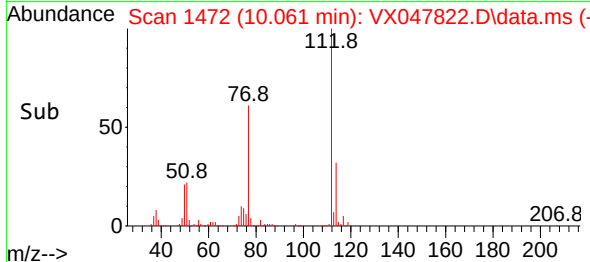
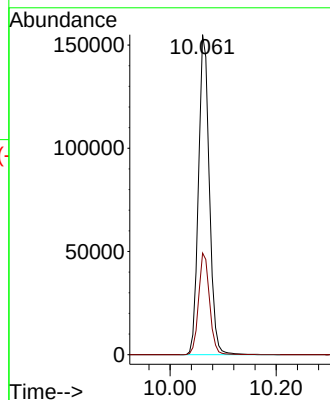
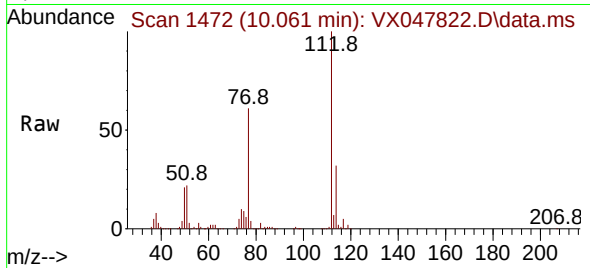




#65
Chlorobenzene
Concen: 53.949 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

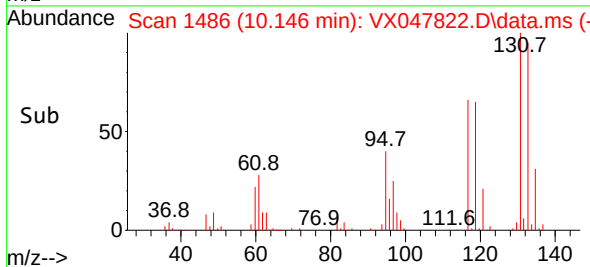
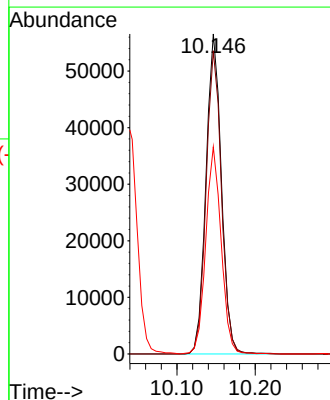
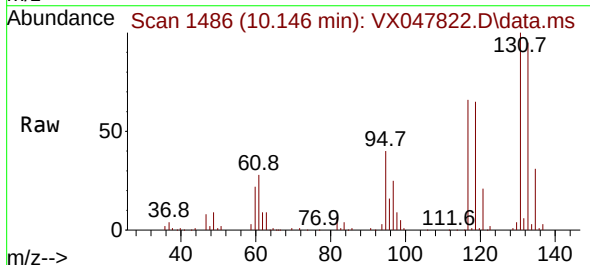
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

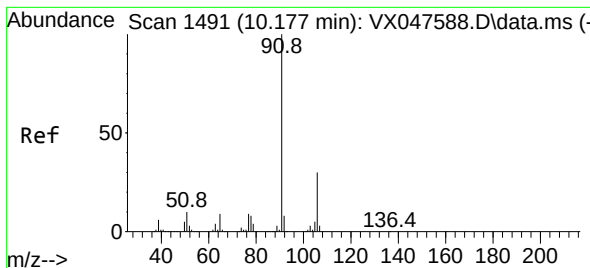
Tgt Ion:112 Resp: 220566
Ion Ratio Lower Upper
112 100
114 31.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 54.634 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion:131 Resp: 77077
Ion Ratio Lower Upper
131 100
133 94.6 47.3 142.0
119 64.9 32.0 96.0





#67

Ethyl Benzene

Concen: 49.035 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

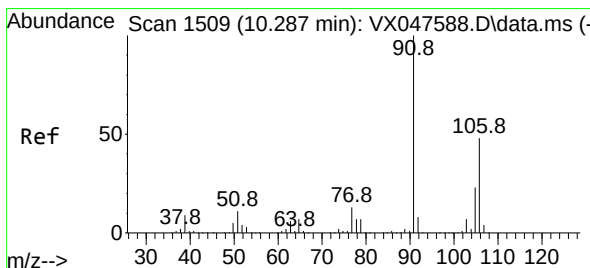
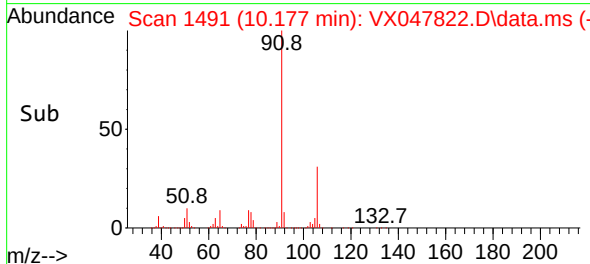
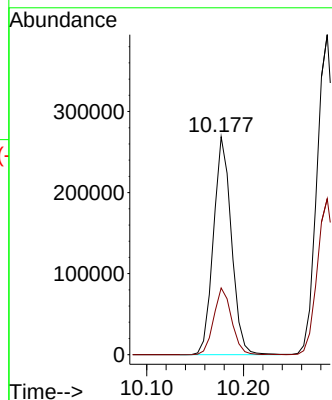
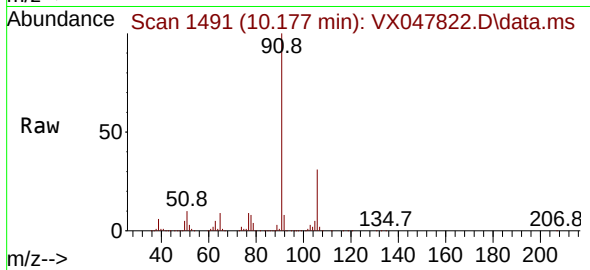
BP-VPB-184-GW-320-322MSD

Tgt Ion: 91 Resp: 345906

Ion Ratio Lower Upper

91 100

106 30.6 24.3 36.5



#68

m/p-Xylenes

Concen: 97.456 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX047822.D

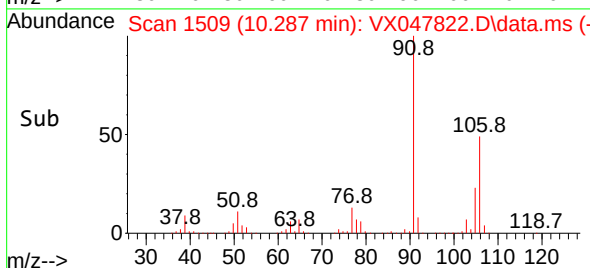
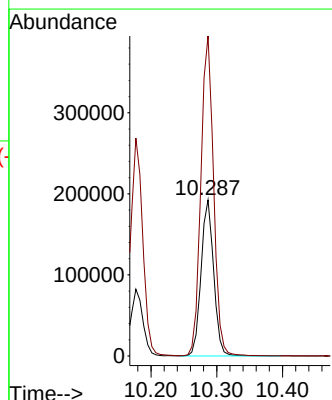
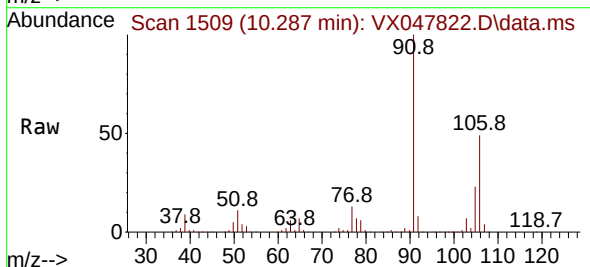
Acq: 25 Sep 2025 18:48

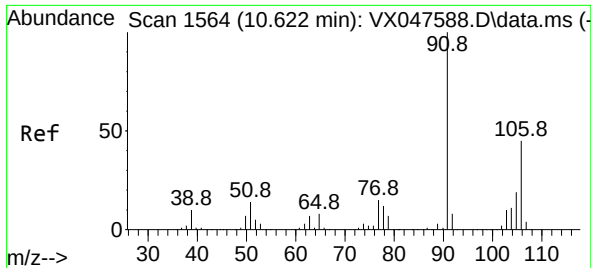
Tgt Ion: 106 Resp: 255885

Ion Ratio Lower Upper

106 100

91 207.8 167.8 251.8

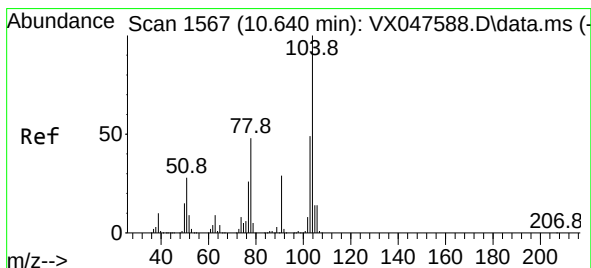
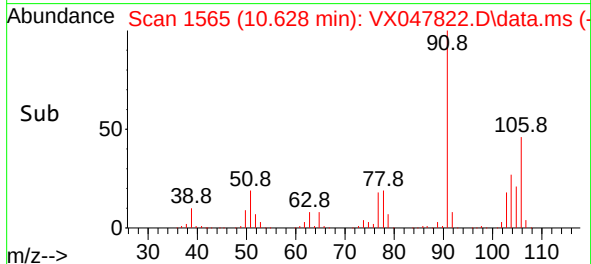
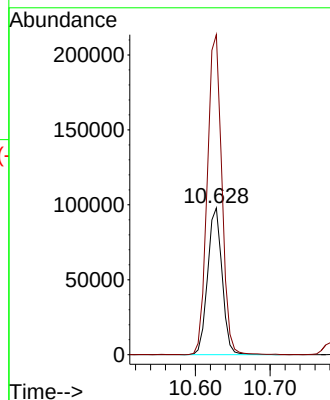
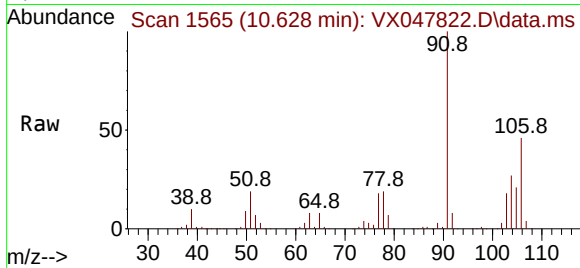




#69
o-Xylene
Concen: 51.654 ug/l
RT: 10.628 min Scan# 1564
Delta R.T. 0.006 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

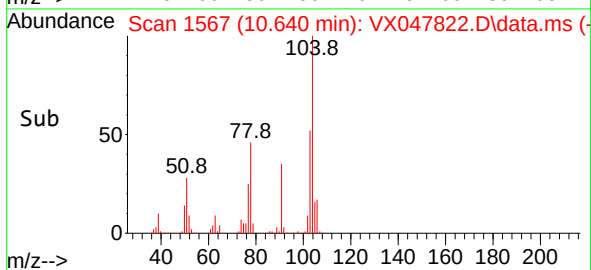
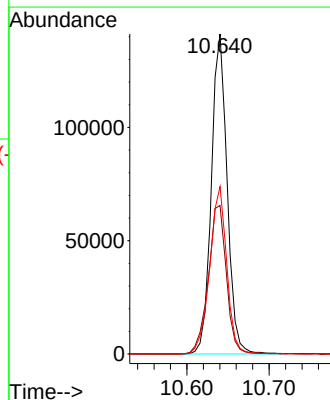
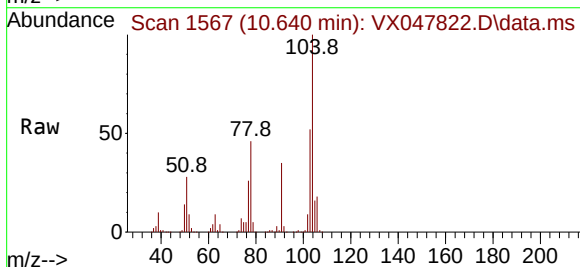
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

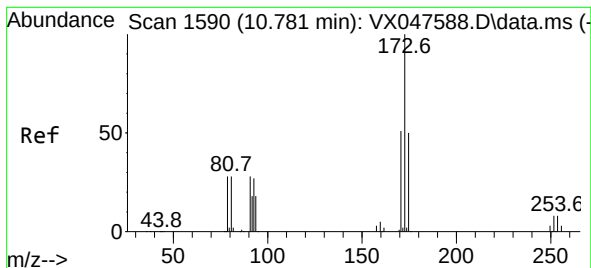
Tgt Ion:106 Resp: 131180
Ion Ratio Lower Upper
106 100
91 220.3 111.1 333.4



#70
Styrene
Concen: 42.287 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion:104 Resp: 188173
Ion Ratio Lower Upper
104 100
78 53.4 43.1 64.7
103 56.5 43.1 64.7





#71

Bromoform

Concen: 43.147 ug/l

RT: 10.780 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

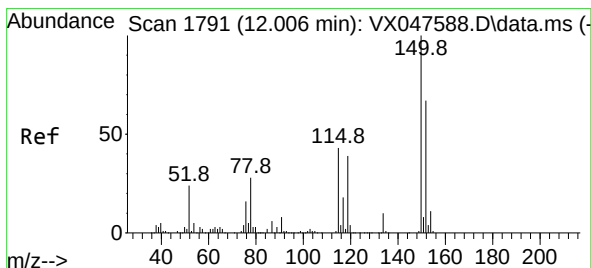
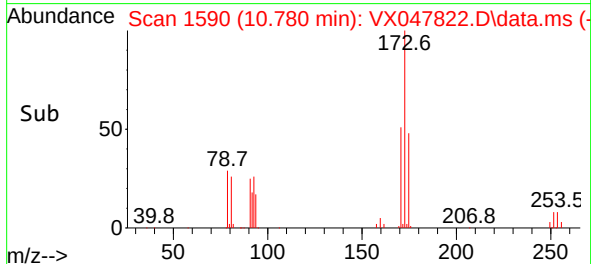
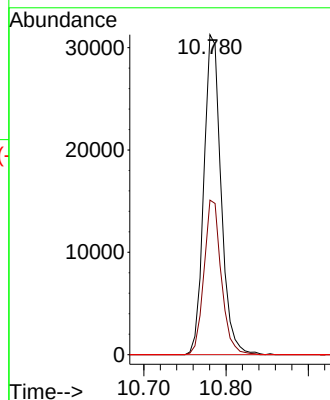
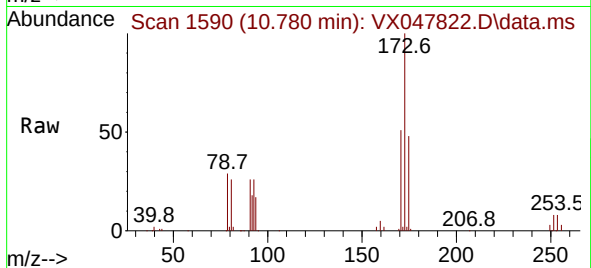
Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion:173	Resp:	45452
Ion Ratio	Lower	Upper
173	100	
175	48.5	24.9 74.6
254	0.0	0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

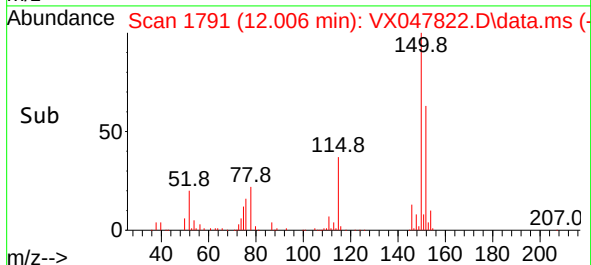
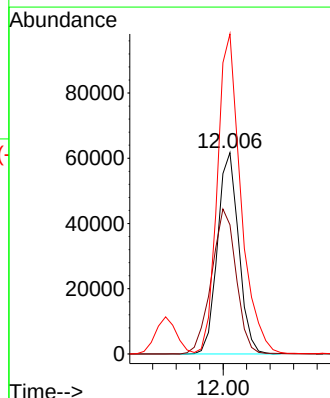
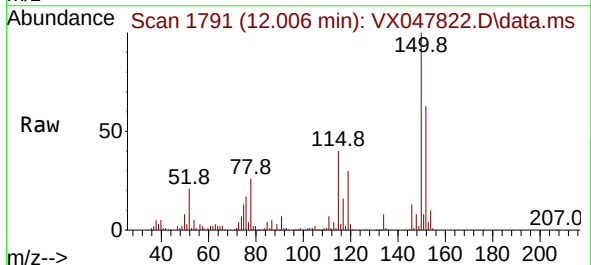
RT: 12.006 min Scan# 1791

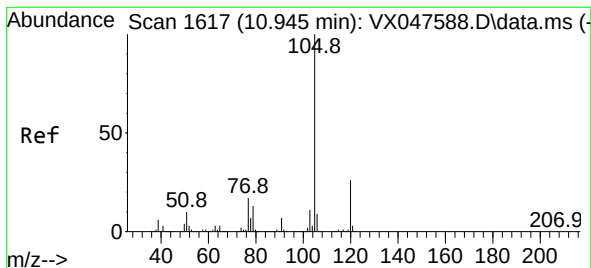
Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Tgt Ion:152	Resp:	77374
Ion Ratio	Lower	Upper
152	100	
115	84.0	44.9 134.5
150	176.1	0.0 352.0





#73

Isopropylbenzene

Concen: 50.179 ug/l

RT: 10.945 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

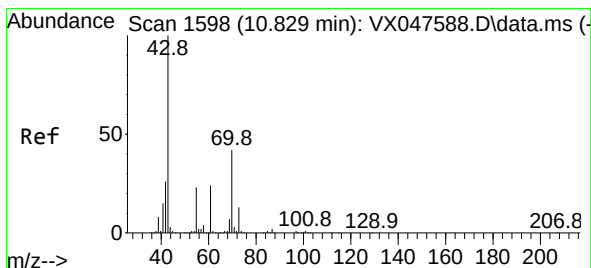
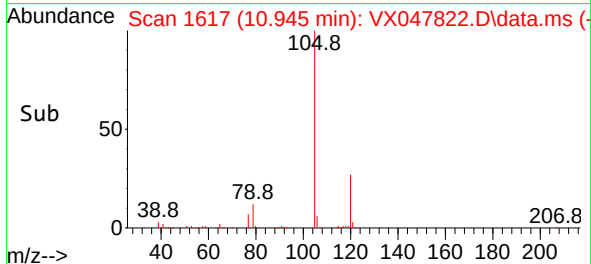
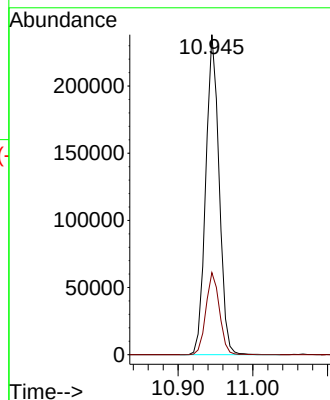
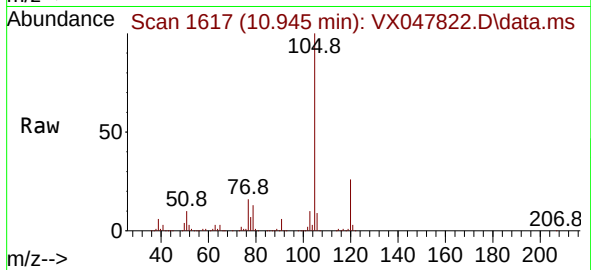
BP-VPB-184-GW-320-322MSD

Tgt Ion:105 Resp: 295176

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.4



#74

N-ethyl acetate

Concen: 52.322 ug/l

RT: 10.829 min Scan# 1598

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Tgt Ion: 43 Resp: 140353

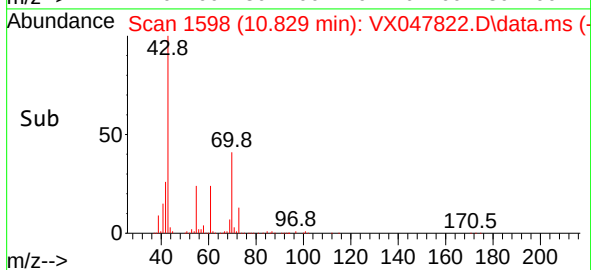
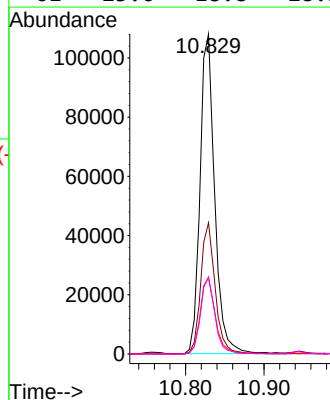
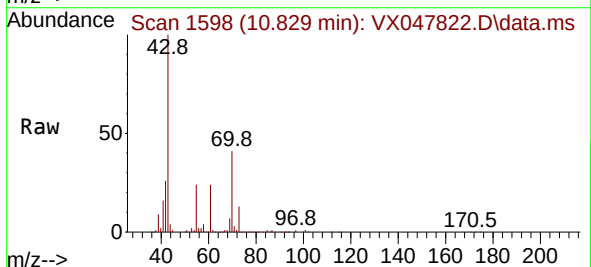
Ion Ratio Lower Upper

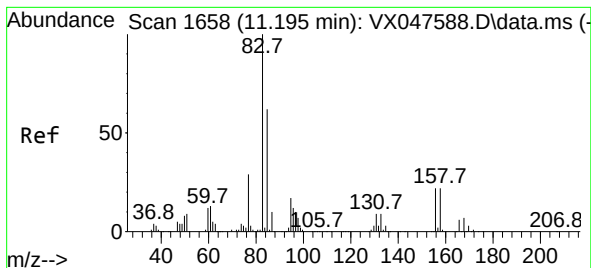
43 100

70 40.7 32.0 48.0

55 24.9 18.9 28.3

61 23.6 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 76.623 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

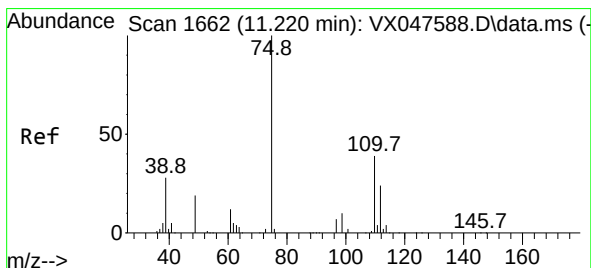
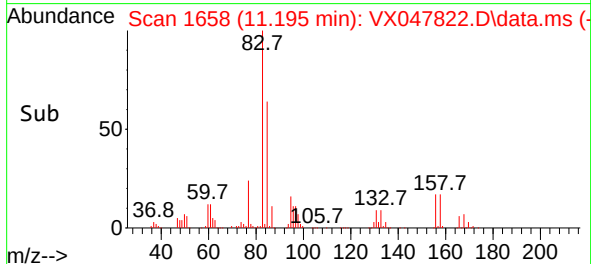
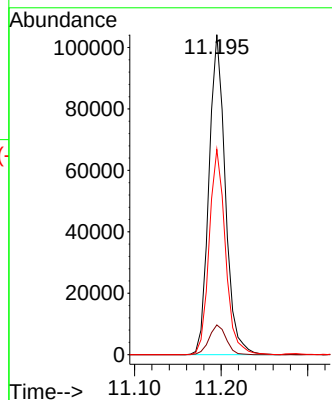
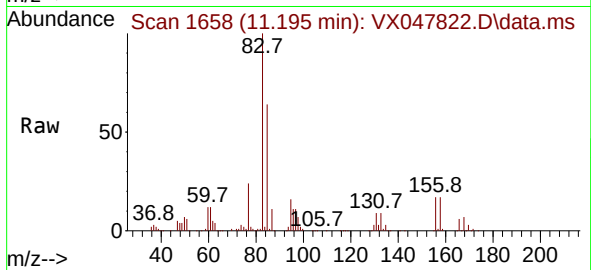
Tgt Ion: 83 Resp: 136370

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

85 63.9 31.6 95.0



#76

1,2,3-Trichloropropane

Concen: 80.972 ug/l

RT: 11.219 min Scan# 1662

Delta R.T. -0.000 min

Lab File: VX047822.D

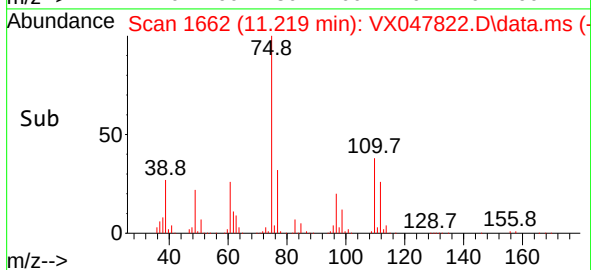
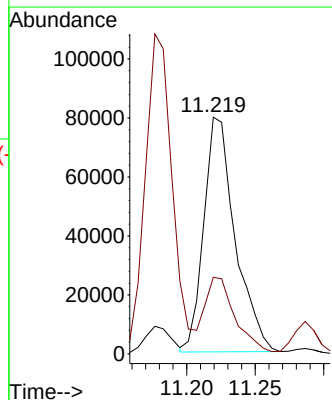
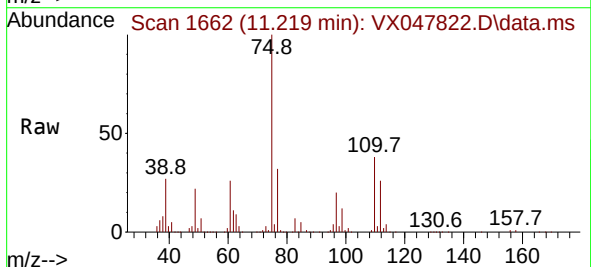
Acq: 25 Sep 2025 18:48

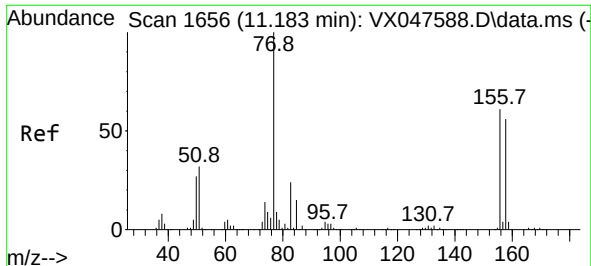
Tgt Ion: 75 Resp: 126850

Ion Ratio Lower Upper

75 100

77 31.0 18.8 56.4

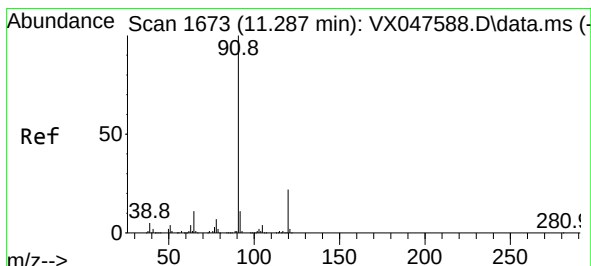
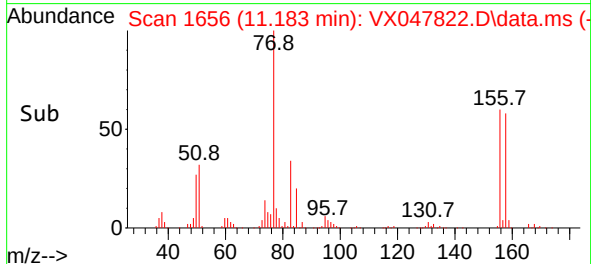
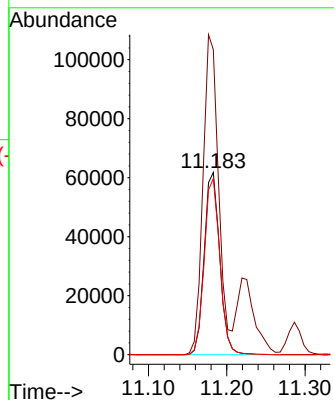
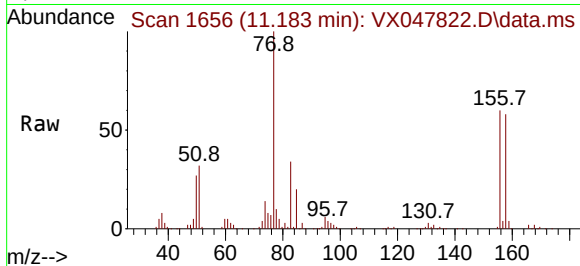




#77
Bromobenzene
Concen: 58.645 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

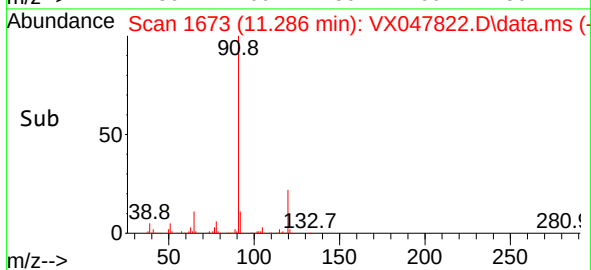
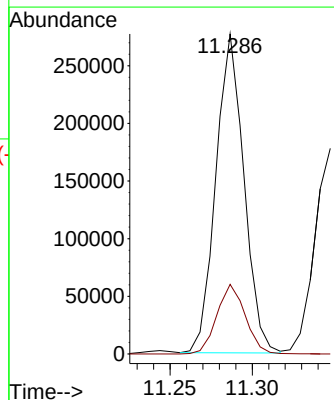
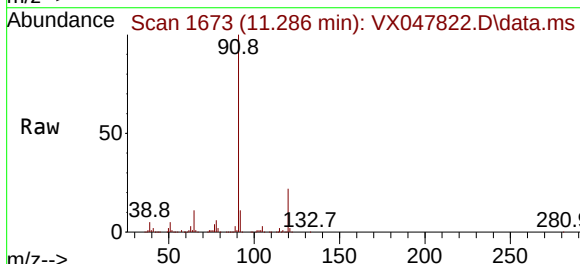
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

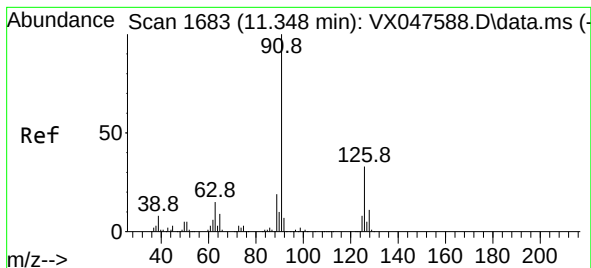
Tgt Ion:	156	Resp:	84966
Ion Ratio	Lower	Upper	
156	100		
77	176.8	89.7	269.1
158	97.2	47.9	143.6



#78
n-propylbenzene
Concen: 47.216 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion:	91	Resp:	328331
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.1

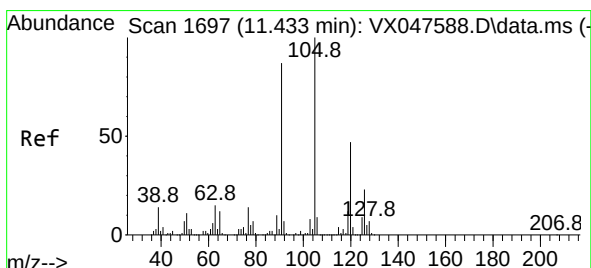
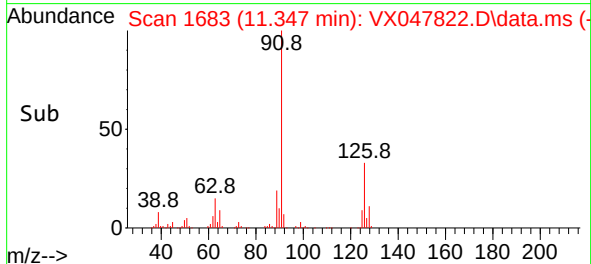
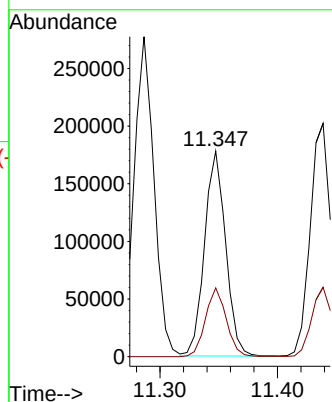
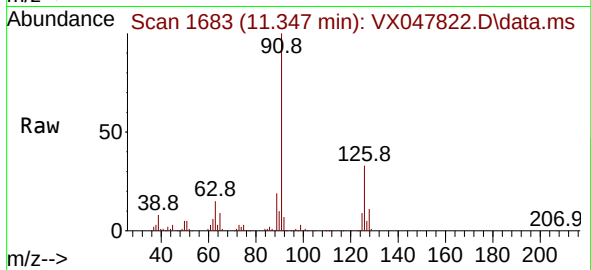




#79
2-Chlorotoluene
Concen: 52.139 ug/l
RT: 11.347 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

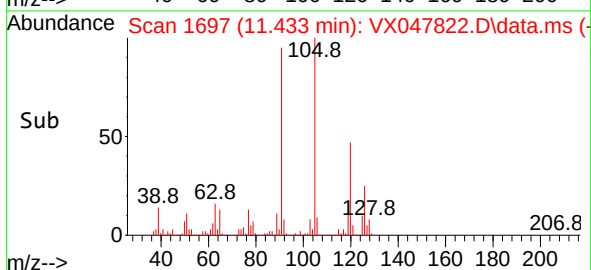
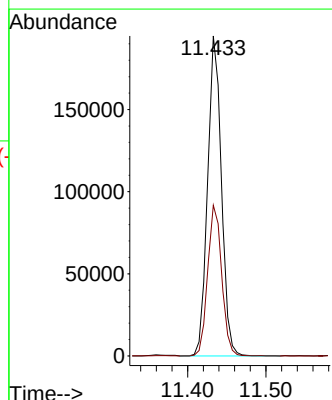
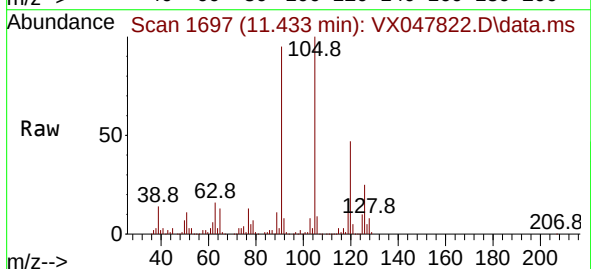
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

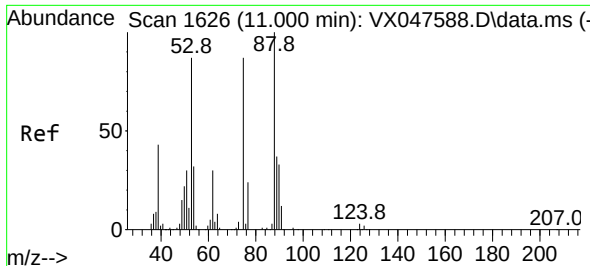
Tgt Ion: 91 Resp: 222063
Ion Ratio Lower Upper
91 100
126 33.3 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 49.220 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion: 105 Resp: 237879
Ion Ratio Lower Upper
105 100
120 47.9 23.6 70.8

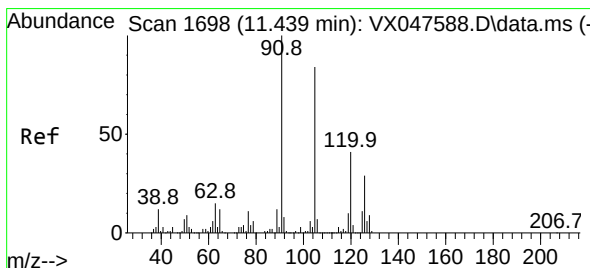
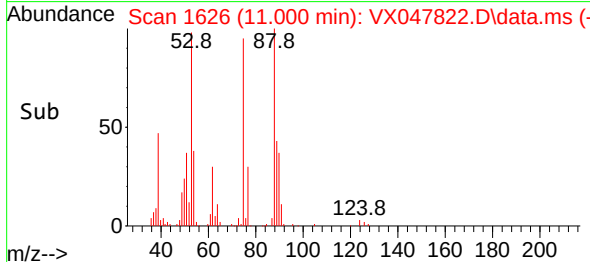
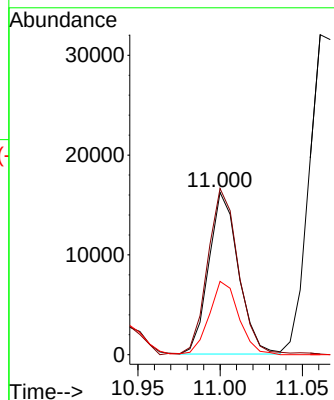
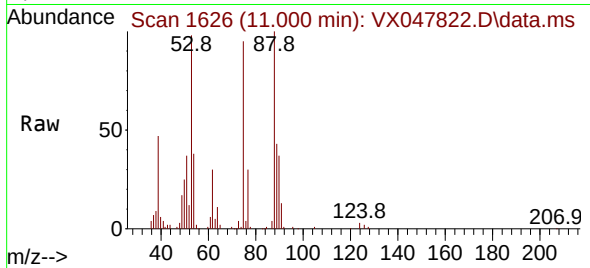




#81
trans-1,4-Dichloro-2-butene
Concen: 33.237 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

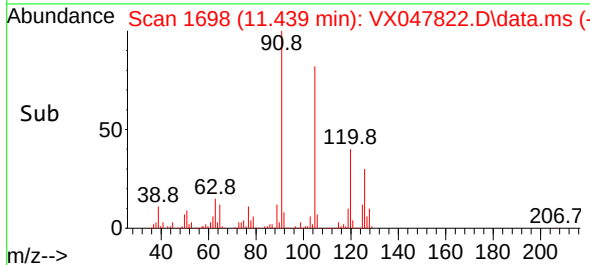
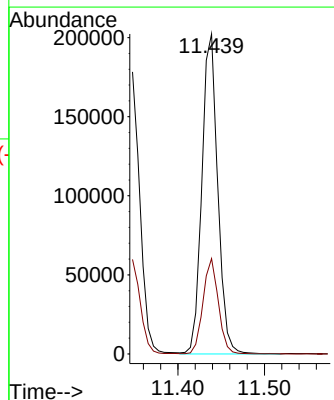
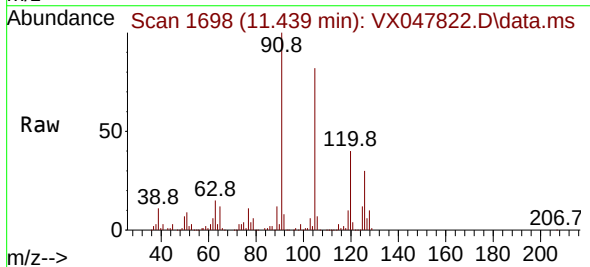
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

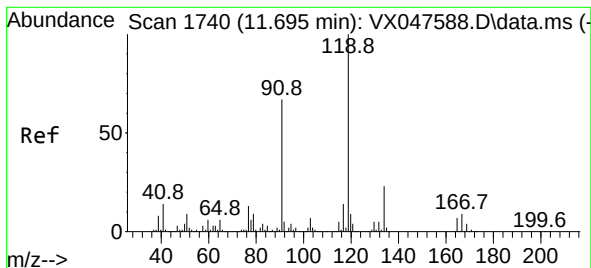
Tgt Ion:	75	Resp:	20418
Ion Ratio	Lower	Upper	
75	100		
53	106.2	83.4	125.2
89	45.2	36.3	54.5



#82
4-Chlorotoluene
Concen: 51.147 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion:	91	Resp:	257279
Ion Ratio	Lower	Upper	
91	100		
126	28.7	14.2	42.6





#83

tert-Butylbenzene

Concen: 48.720 ug/l

RT: 11.695 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

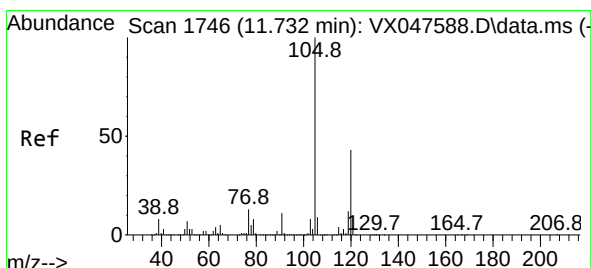
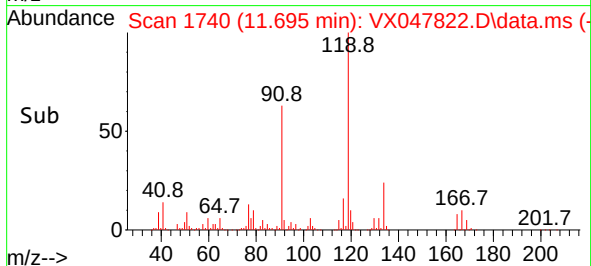
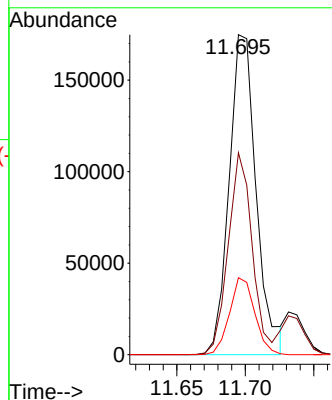
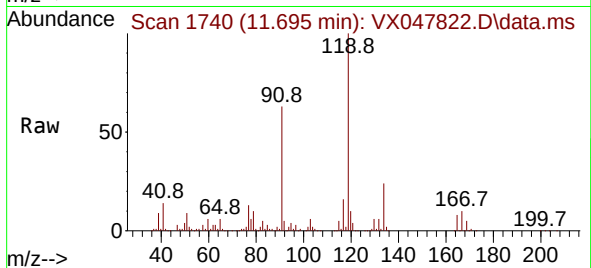
Tgt Ion:119 Resp: 241036

Ion Ratio Lower Upper

119 100

91 55.8 29.6 88.8

134 22.5 11.0 33.0



#84

1,2,4-Trimethylbenzene

Concen: 50.846 ug/l

RT: 11.732 min Scan# 1746

Delta R.T. -0.000 min

Lab File: VX047822.D

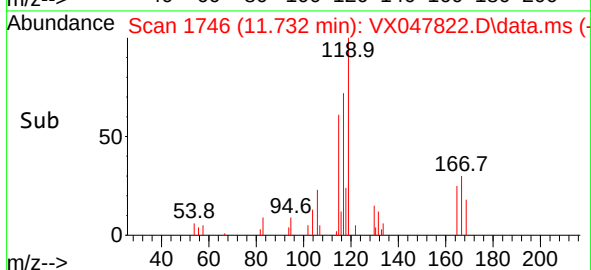
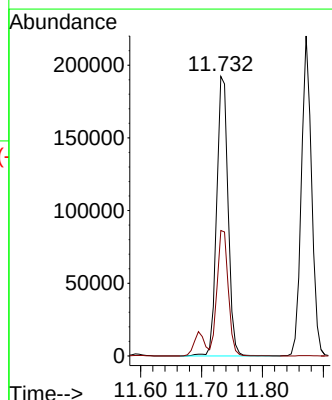
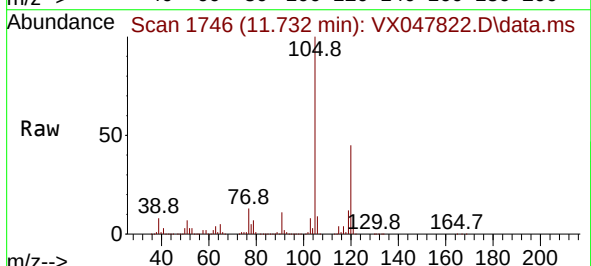
Acq: 25 Sep 2025 18:48

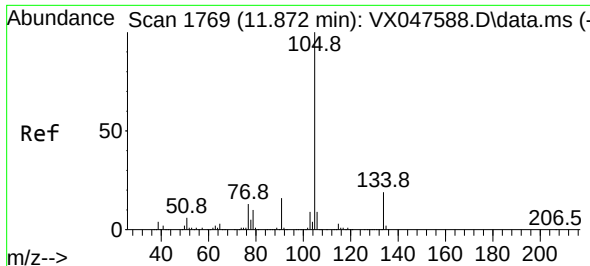
Tgt Ion:105 Resp: 249135

Ion Ratio Lower Upper

105 100

120 44.3 22.1 66.1

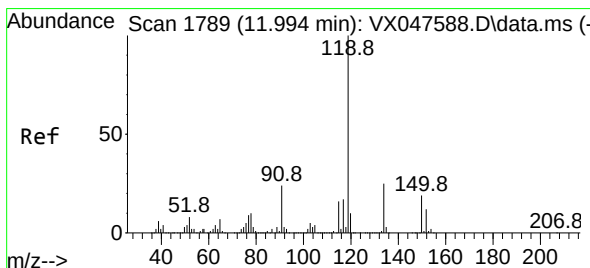
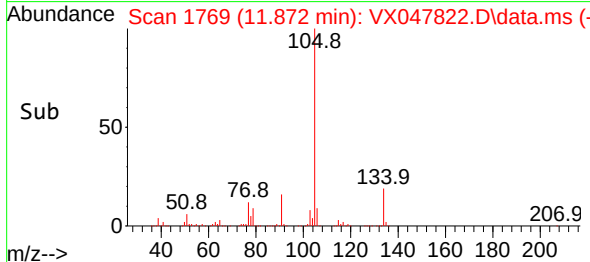
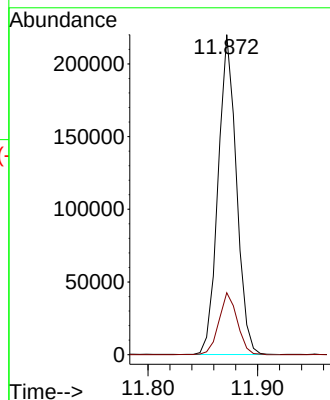
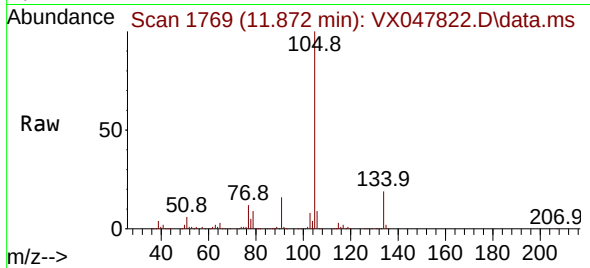




#85
 sec-Butylbenzene
 Concen: 43.514 ug/l
 RT: 11.872 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: VX047822.D
 Acq: 25 Sep 2025 18:48

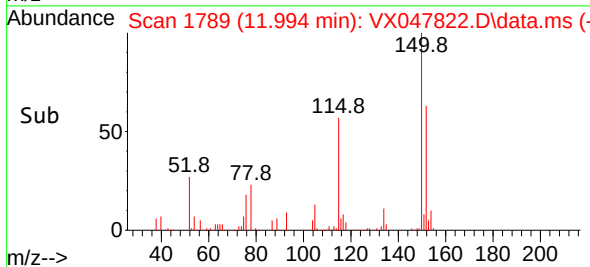
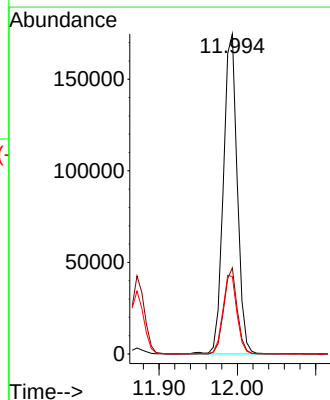
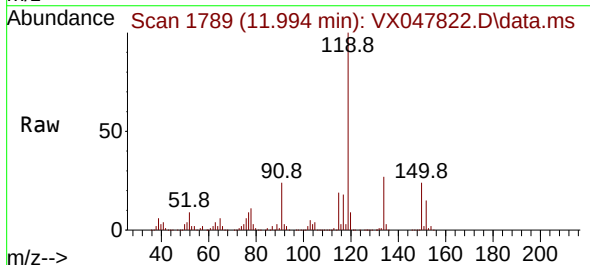
Instrument : MSVOA_X
 ClientSampleId : BP-VPB-184-GW-320-322MSD

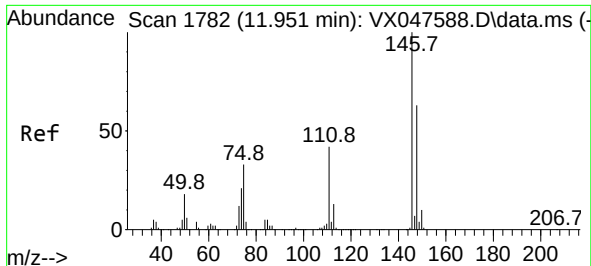
Tgt Ion:105 Resp: 255708
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 43.305 ug/l
 RT: 11.994 min Scan# 1789
 Delta R.T. -0.000 min
 Lab File: VX047822.D
 Acq: 25 Sep 2025 18:48

Tgt Ion:119 Resp: 215443
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.6 37.8
 91 25.0 12.6 37.6

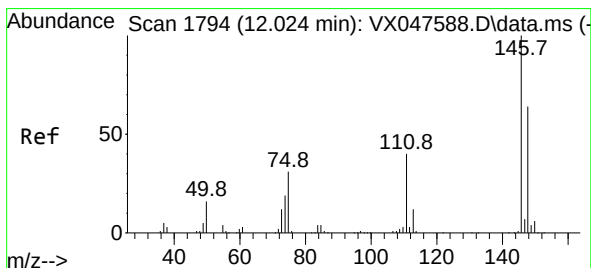
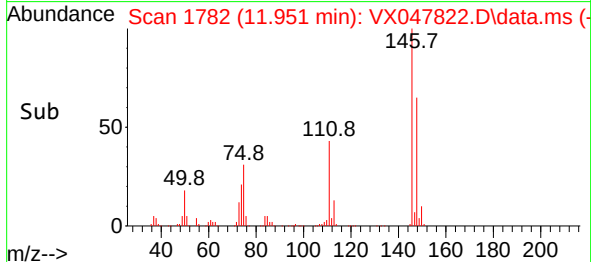
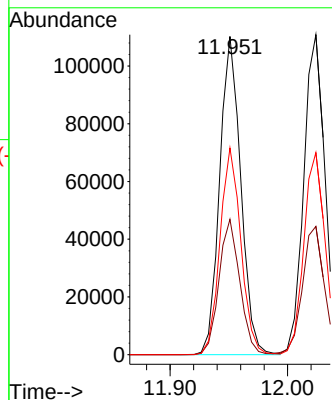
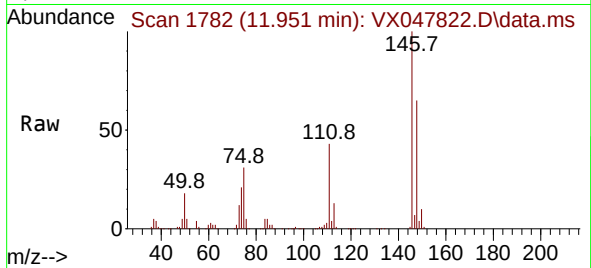




#87
1,3-Dichlorobenzene
Concen: 51.144 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

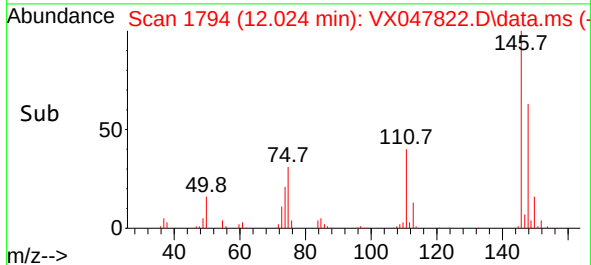
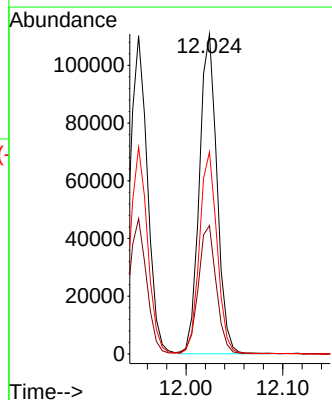
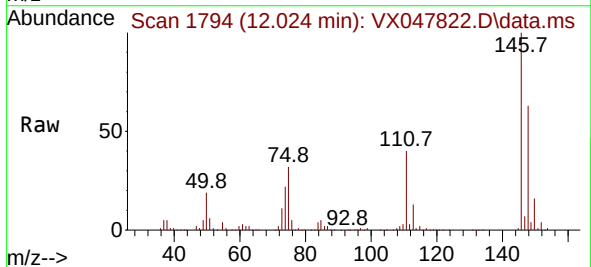
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

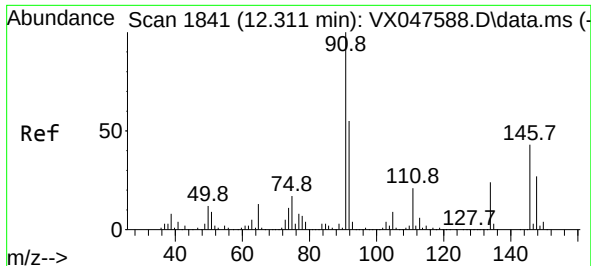
Tgt Ion:146 Resp: 137631
Ion Ratio Lower Upper
146 100
111 42.2 21.5 64.5
148 64.5 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 50.819 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion:146 Resp: 140359
Ion Ratio Lower Upper
146 100
111 41.1 20.8 62.4
148 63.6 31.7 95.1





#89

n-Butylbenzene

Concen: 38.126 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

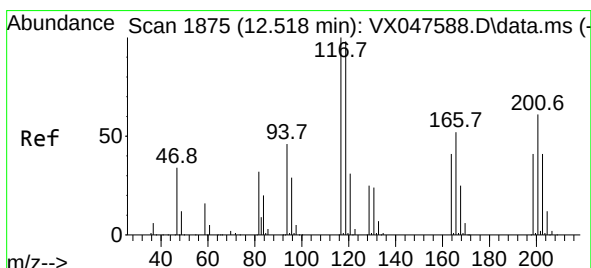
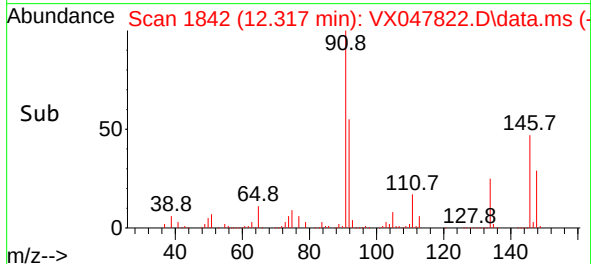
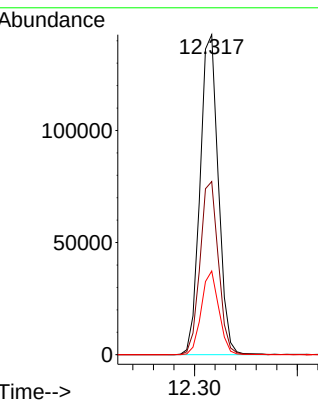
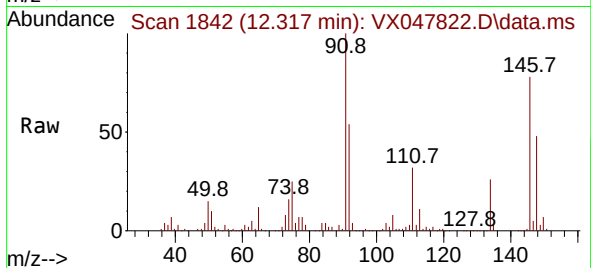
Tgt Ion: 91 Resp: 175511

Ion Ratio Lower Upper

91 100

92 54.5 27.6 82.7

134 25.2 12.6 37.8



#90

Hexachloroethane

Concen: 39.259 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX047822.D

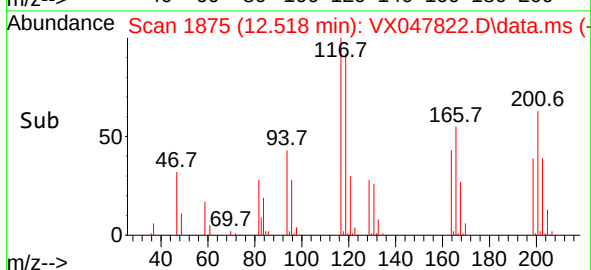
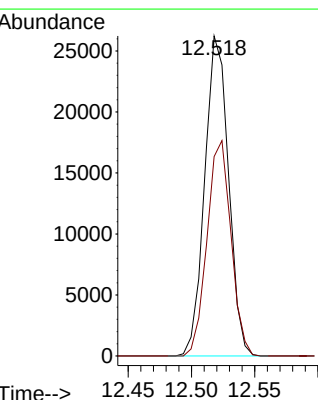
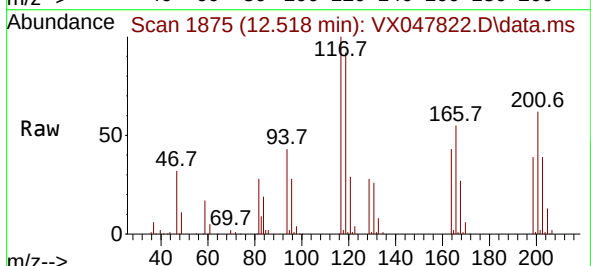
Acq: 25 Sep 2025 18:48

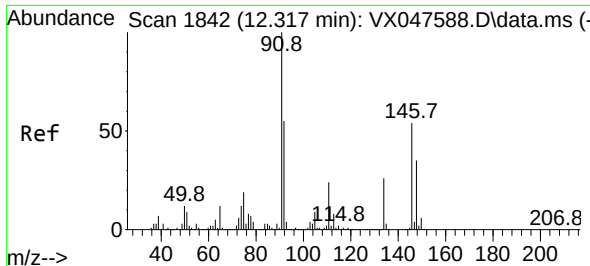
Tgt Ion: 117 Resp: 34292

Ion Ratio Lower Upper

117 100

201 67.7 34.2 102.5

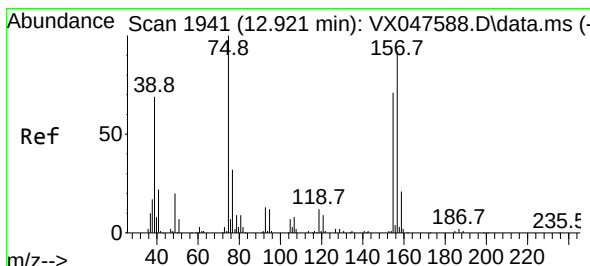
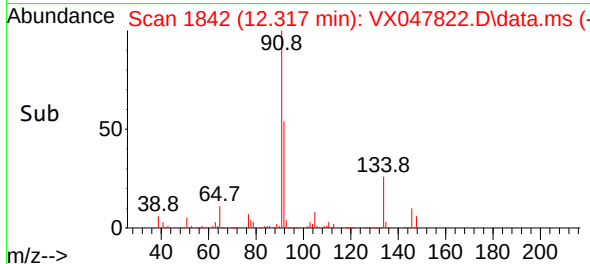
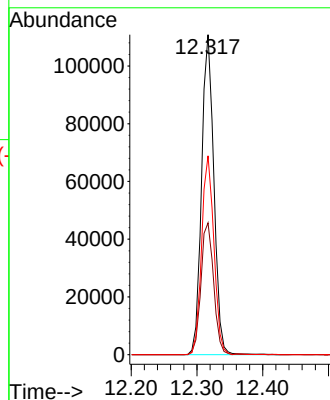
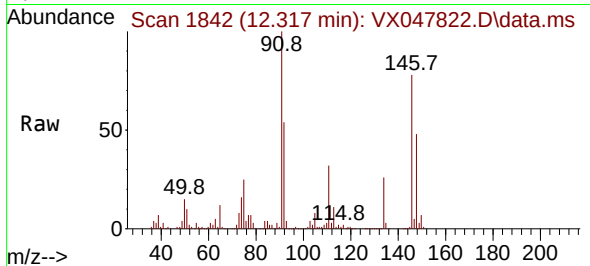




#91
1,2-Dichlorobenzene
Concen: 55.941 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

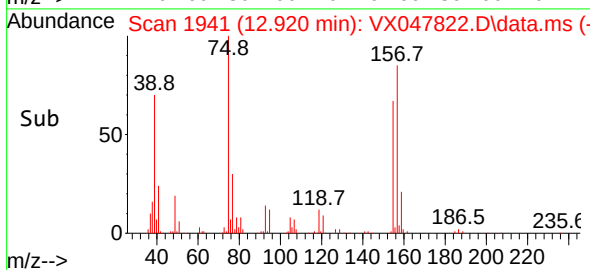
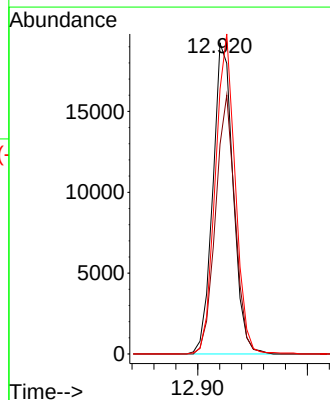
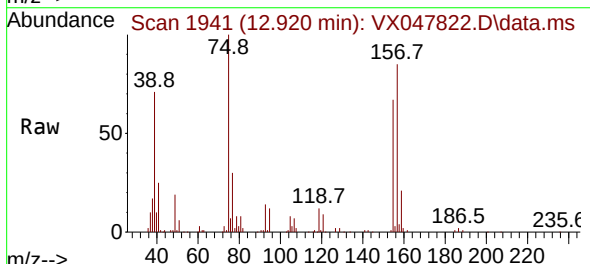
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

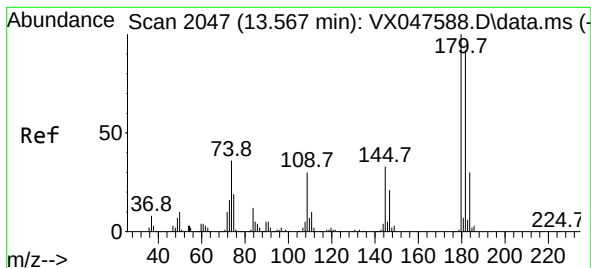
Tgt Ion:	146	Resp:	143420
Ion Ratio	Lower	Upper	
146	100		
111	42.7	22.2	66.6
148	62.3	31.8	95.4



#92
1,2-Dibromo-3-Chloropropane
Concen: 68.682 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion:	75	Resp:	24748
Ion Ratio	Lower	Upper	
75	100		
155	80.3	37.7	113.1
157	100.9	49.8	149.4





#93

1,2,4-Trichlorobenzene

Concen: 42.831 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

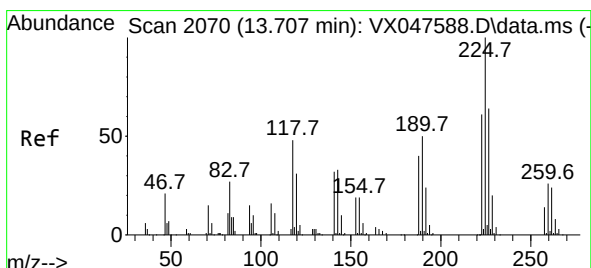
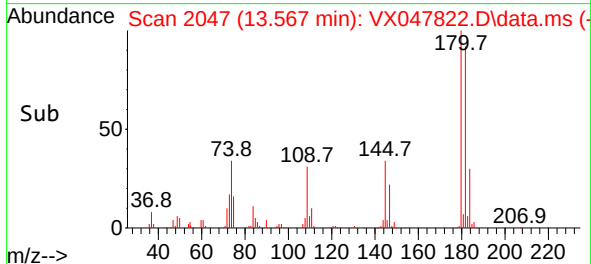
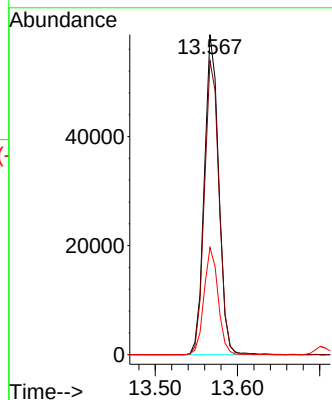
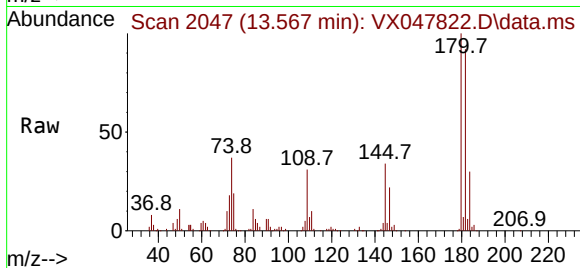
Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-320-322MSD

Tgt Ion:	180	Resp:	71365
Ion Ratio	Lower	Upper	
180	100		
182	93.4	46.6	139.8
145	32.8	16.4	49.1



#94

Hexachlorobutadiene

Concen: 30.582 ug/l

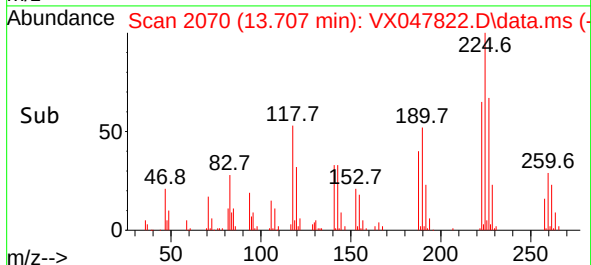
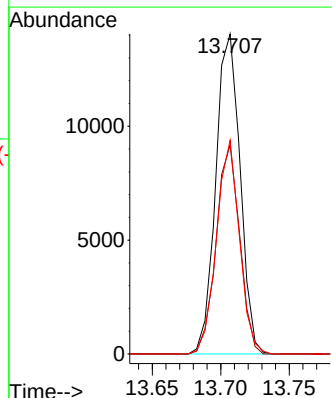
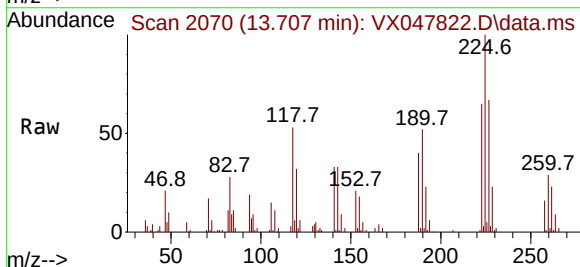
RT: 13.707 min Scan# 2070

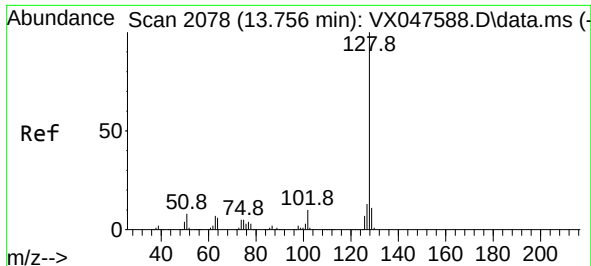
Delta R.T. -0.000 min

Lab File: VX047822.D

Acq: 25 Sep 2025 18:48

Tgt Ion:	225	Resp:	17308
Ion Ratio	Lower	Upper	
225	100		
223	63.2	31.7	95.1
227	62.9	32.0	96.0

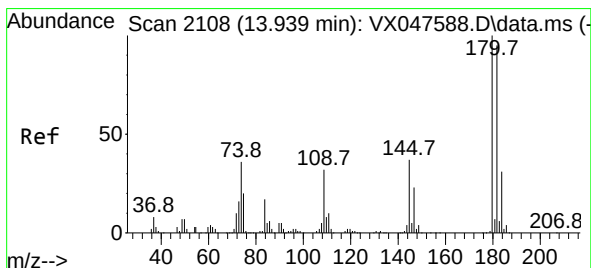
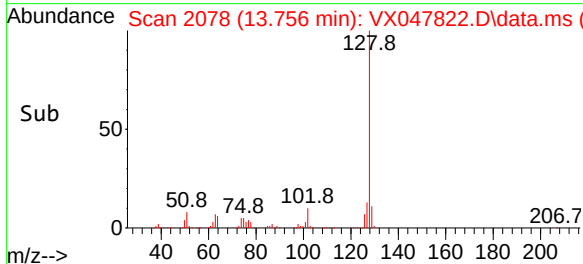
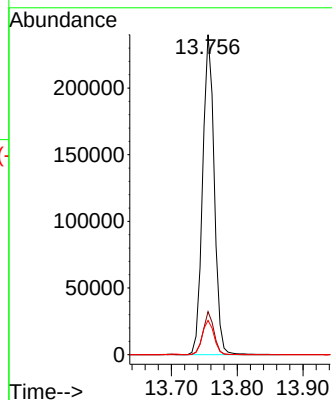
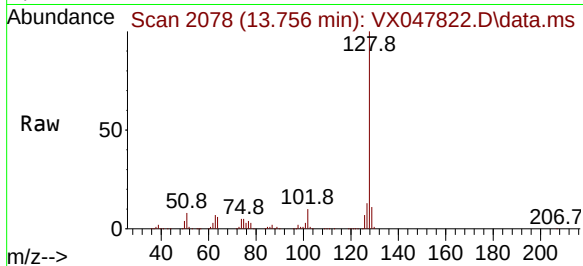




#95
Naphthalene
Concen: 57.972 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

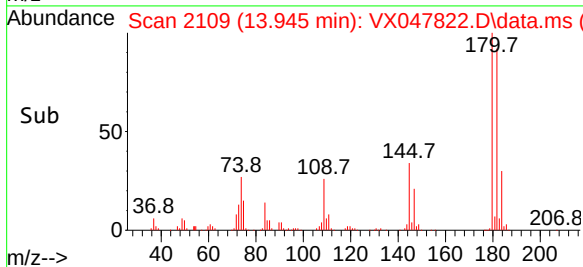
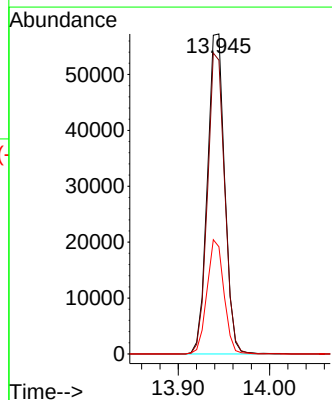
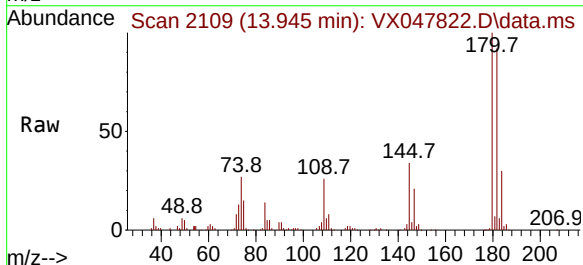
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-320-322MSD

Tgt Ion:	128	Resp:	294138
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.9	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 48.300 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047822.D
Acq: 25 Sep 2025 18:48

Tgt Ion:	180	Resp:	74862
Ion Ratio	Lower	Upper	
180	100		
182	93.6	47.6	142.8
145	35.0	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047823.D
 Acq On : 25 Sep 2025 19:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 26 01:35:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	138162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	250600	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	227187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	111205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	106288	48.331	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.660%
35) Dibromofluoromethane	5.373	113	84043	50.006	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.020%
50) Toluene-d8	8.635	98	286276	49.227	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.460%
62) 4-Bromofluorobenzene	11.061	95	107976	48.923	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	78791	55.072	ug/l	97
3) Chloromethane	1.301	50	97505	51.856	ug/l	98
4) Vinyl Chloride	1.380	62	98804	53.680	ug/l	100
5) Bromomethane	1.618	94	65791	56.368	ug/l	95
6) Chloroethane	1.697	64	64638	52.542	ug/l	99
7) Trichlorofluoromethane	1.898	101	139775	51.144	ug/l	100
8) Diethyl Ether	2.136	74	58834	52.626	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	80435	50.334	ug/l	100
10) Methyl Iodide	2.459	142	123956	49.736	ug/l	99
11) Tert butyl alcohol	2.947	59	60006	244.991	ug/l	99
12) 1,1-Dichloroethene	2.325	96	84395	51.413	ug/l	96
13) Acrolein	2.239	56	52407	232.189	ug/l	100
14) Allyl chloride	2.666	41	162575	47.995	ug/l	96
15) Acrylonitrile	3.062	53	263719	290.682	ug/l	98
16) Acetone	2.374	43	203713	213.041	ug/l	97
17) Carbon Disulfide	2.520	76	230212	51.229	ug/l	98
18) Methyl Acetate	2.703	43	123868	58.207	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	313200	52.268	ug/l	98
20) Methylene Chloride	2.788	84	105012	51.882	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	92382	52.273	ug/l	97
22) Diisopropyl ether	3.751	45	345715	52.663	ug/l #	82
23) Vinyl Acetate	3.715	43	1417612	269.815	ug/l	100
24) 1,1-Dichloroethane	3.605	63	181568	52.037	ug/l	98
25) 2-Butanone	4.544	43	315750	264.723	ug/l	99
26) 2,2-Dichloropropane	4.471	77	106096	36.580	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	113745	52.554	ug/l	96
28) Bromochloromethane	4.891	49	83565	54.859	ug/l	98
29) Tetrahydrofuran	4.995	42	205239	286.033	ug/l	99
30) Chloroform	5.086	83	187196	53.091	ug/l	99
31) Cyclohexane	5.464	56	140528	48.357	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	153431	51.302	ug/l	99
36) 1,1-Dichloropropene	5.684	75	116951	47.622	ug/l	97
37) Ethyl Acetate	4.702	43	135472	51.520	ug/l	99
38) Carbon Tetrachloride	5.666	117	130043	48.736	ug/l	96
39) Methylcyclohexane	7.367	83	132095	47.385	ug/l	97
40) Benzene	6.025	78	385239	51.647	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047823.D
 Acq On : 25 Sep 2025 19:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 26 01:35:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	73804	54.368	ug/l	98
42) 1,2-Dichloroethane	6.074	62	141902	50.000	ug/l	98
43) Isopropyl Acetate	6.324	43	226994	52.636	ug/l	99
44) Trichloroethene	7.110	130	92646	51.375	ug/l	99
45) 1,2-Dichloropropane	7.415	63	100953	52.856	ug/l	99
46) Dibromomethane	7.568	93	73360	52.781	ug/l	97
47) Bromodichloromethane	7.805	83	149506	52.127	ug/l	97
48) Methyl methacrylate	7.677	41	114802	53.443	ug/l	98
49) 1,4-Dioxane	7.647	88	28611	1317.923	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	677366	283.290	ug/l	100
52) Toluene	8.702	92	239352	52.084	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	143852	49.172	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	157052	50.226	ug/l	97
55) 1,1,2-Trichloroethane	9.135	97	96381	54.391	ug/l	98
56) Ethyl methacrylate	9.104	69	151863	54.571	ug/l	97
57) 1,3-Dichloropropane	9.293	76	166293	54.630	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	365599	273.260	ug/l	99
59) 2-Hexanone	9.415	43	472466	275.126	ug/l	99
60) Dibromochloromethane	9.506	129	111334	54.529	ug/l	100
61) 1,2-Dibromoethane	9.592	107	100762	55.828	ug/l	99
64) Tetrachloroethene	9.256	164	74213	50.109	ug/l	97
65) Chlorobenzene	10.061	112	264716	51.289	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	92643	52.017	ug/l	99
67) Ethyl Benzene	10.177	91	454152	50.998	ug/l	100
68) m/p-Xylenes	10.287	106	339855	102.531	ug/l	97
69) o-Xylene	10.622	106	166533	51.944	ug/l	97
70) Styrene	10.640	104	290866	51.778	ug/l	98
71) Bromoform	10.781	173	72491	54.510	ug/l #	97
73) Isopropylbenzene	10.945	105	418008	49.442	ug/l	99
74) N-amyl acetate	10.829	43	199899	51.849	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	137858	53.895	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	146642	65.129	ug/l	89
77) Bromobenzene	11.183	156	105313	50.576	ug/l	98
78) n-propylbenzene	11.287	91	496726	49.701	ug/l	99
79) 2-Chlorotoluene	11.348	91	301415	49.240	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	345119	49.685	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	38514	43.621	ug/l	98
82) 4-Chlorotoluene	11.439	91	356913	49.368	ug/l	99
83) tert-Butylbenzene	11.695	119	346541	48.736	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	350492	49.770	ug/l	99
85) sec-Butylbenzene	11.872	105	416534	49.318	ug/l	100
86) p-Isopropyltoluene	11.988	119	349248	48.843	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	192298	49.719	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	195390	49.222	ug/l	99
89) n-Butylbenzene	12.311	91	317918	48.051	ug/l	99
90) Hexachloroethane	12.518	117	62532	49.811	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	188283	51.098	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	26392	50.962	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	116183	48.516	ug/l	98
94) Hexachlorobutadiene	13.707	225	38133	46.880	ug/l	99
95) Naphthalene	13.756	128	379925	52.100	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	113155	50.796	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
Data File : VX047823.D
Acq On : 25 Sep 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

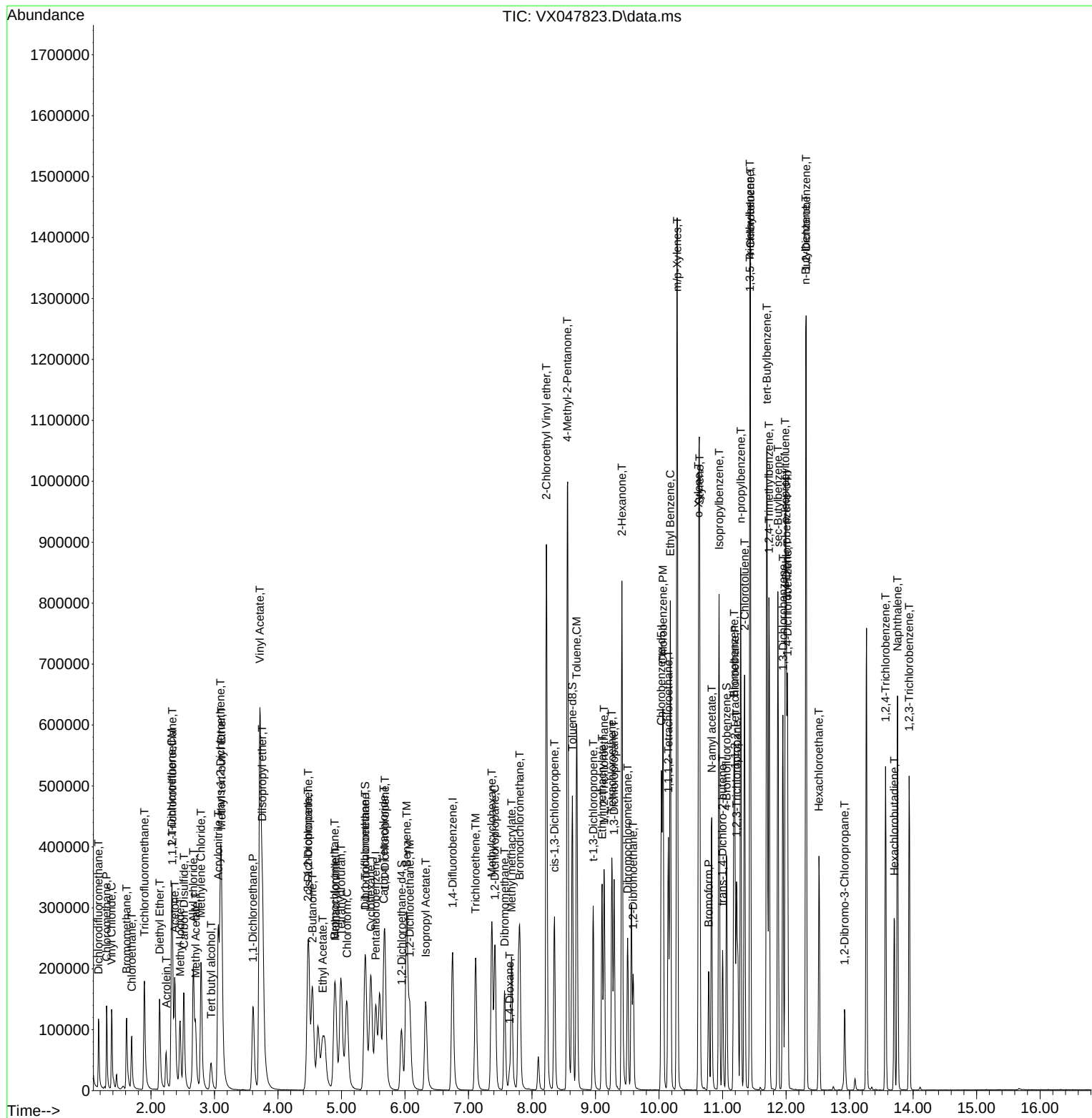
Quant Time: Sep 26 01:35:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

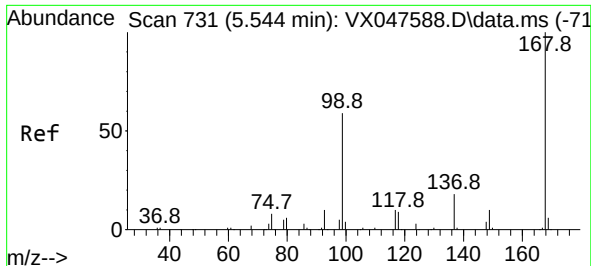
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 26 01:35:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

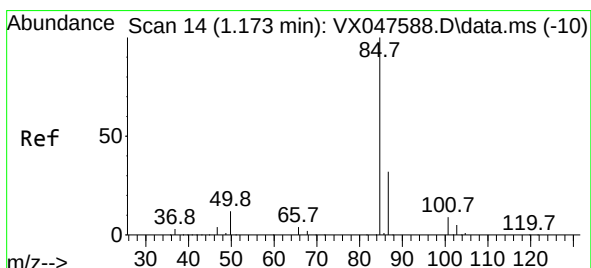
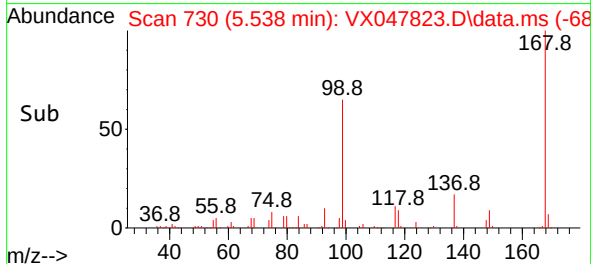
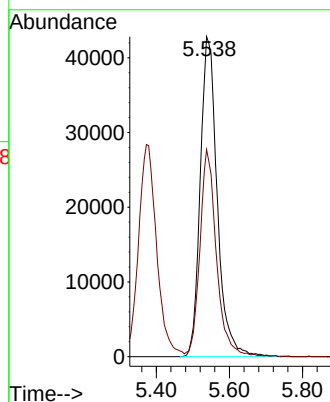
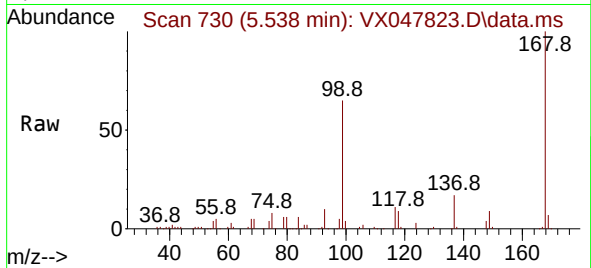




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

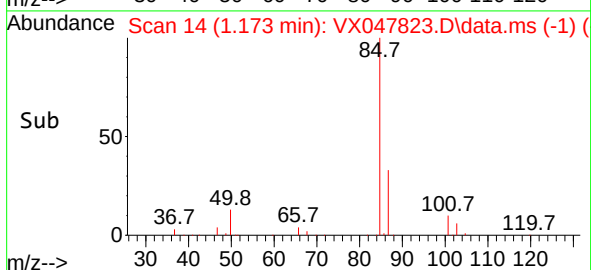
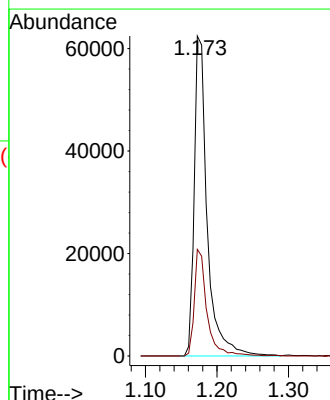
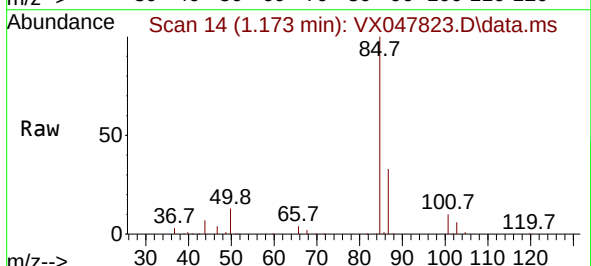
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

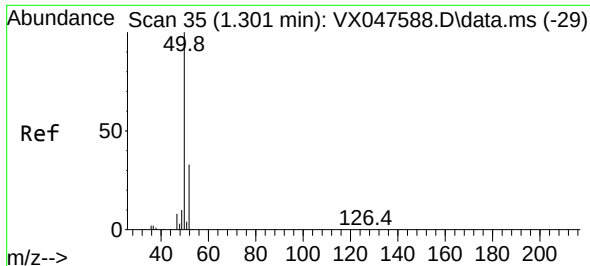
Tgt Ion:168 Resp: 138162
Ion Ratio Lower Upper
168 100
99 64.5 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 55.072 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 85 Resp: 78791
Ion Ratio Lower Upper
85 100
87 33.3 15.8 47.3

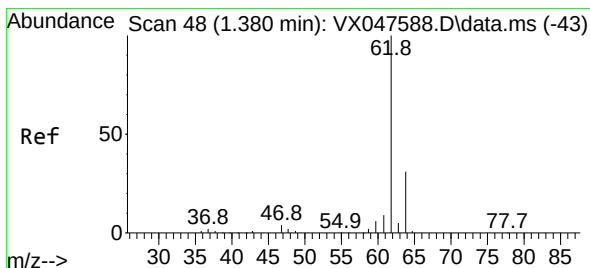
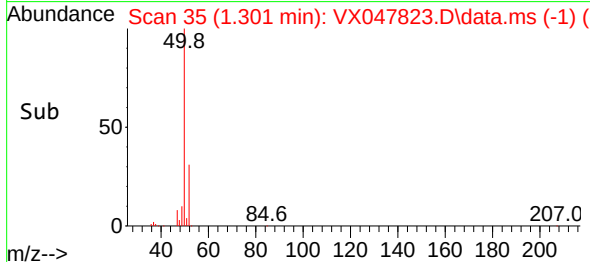
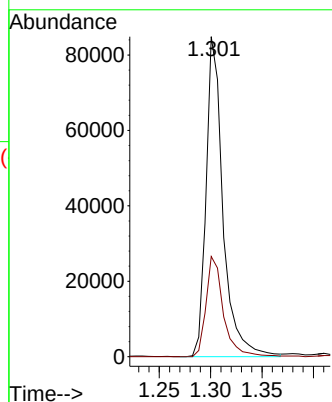
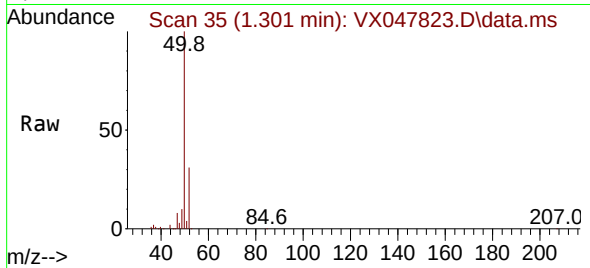




#3
Chloromethane
Concen: 51.856 ug/l
RT: 1.301 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

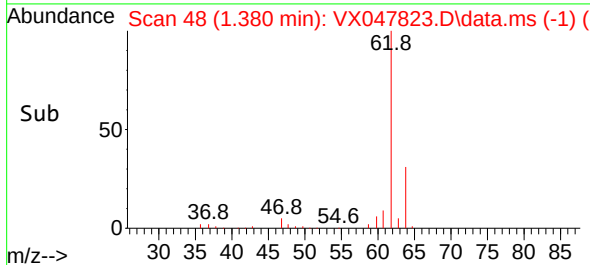
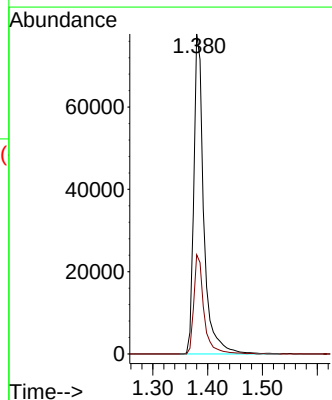
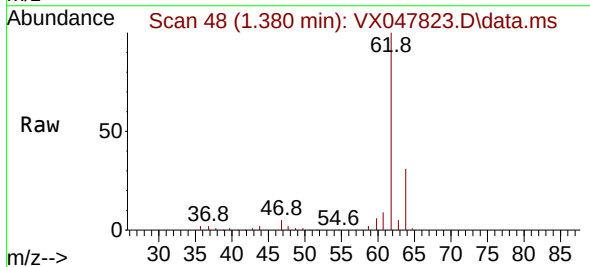
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

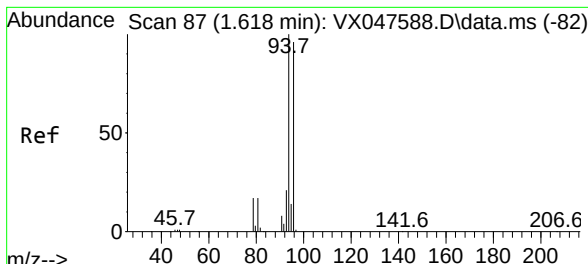
Tgt Ion: 50 Resp: 97505
Ion Ratio Lower Upper
50 100
52 31.3 26.1 39.1



#4
Vinyl Chloride
Concen: 53.680 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 62 Resp: 98804
Ion Ratio Lower Upper
62 100
64 31.0 24.9 37.3

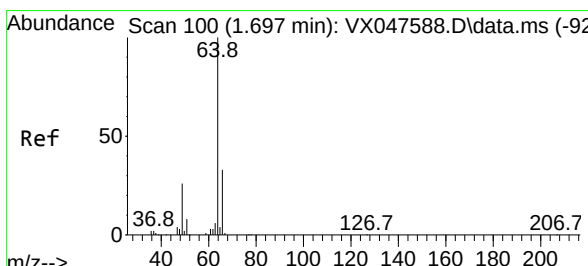
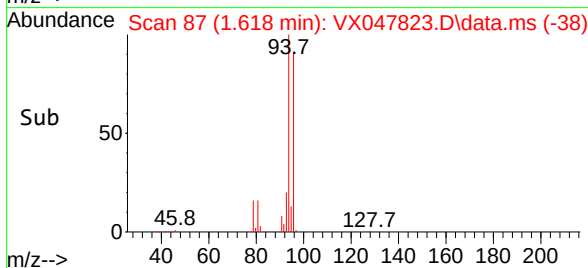
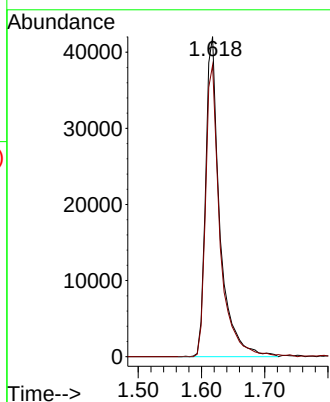
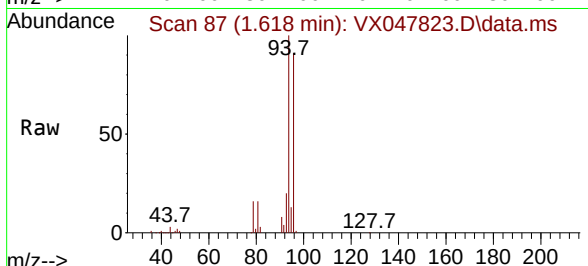




#5
 Bromomethane
 Concen: 56.368 ug/l
 RT: 1.618 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VX047823.D
 Acq: 25 Sep 2025 19:09

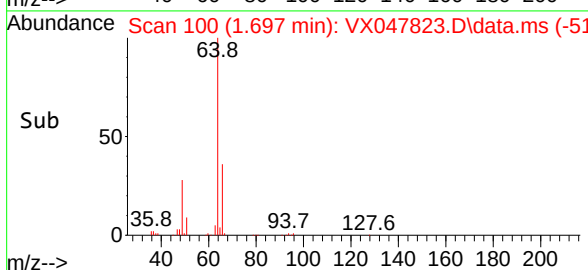
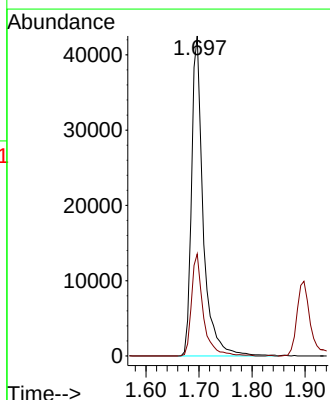
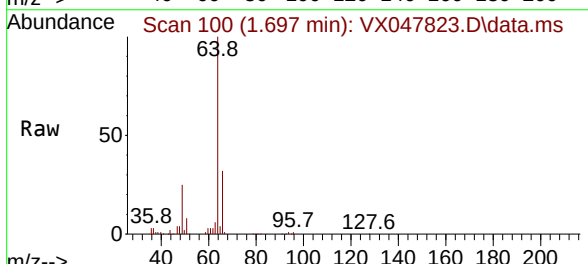
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

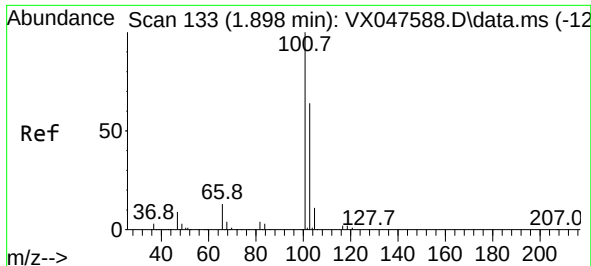
Tgt Ion:	94	Resp:	65791
Ion Ratio	Lower	Upper	
94	100		
96	91.1	76.6	115.0



#6
 Chloroethane
 Concen: 52.542 ug/l
 RT: 1.697 min Scan# 100
 Delta R.T. -0.000 min
 Lab File: VX047823.D
 Acq: 25 Sep 2025 19:09

Tgt Ion:	64	Resp:	64638
Ion Ratio	Lower	Upper	
64	100		
66	31.9	26.1	39.1

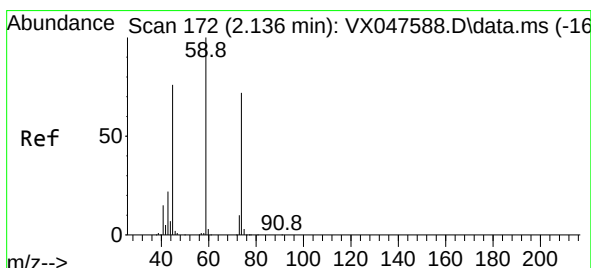
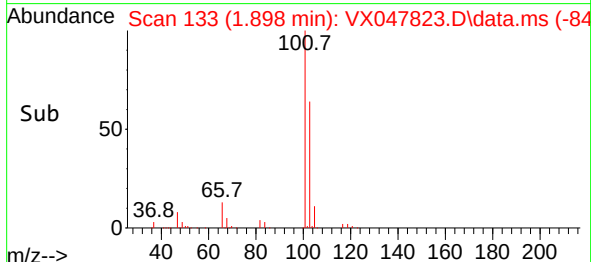
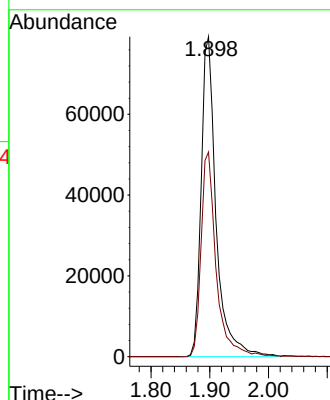
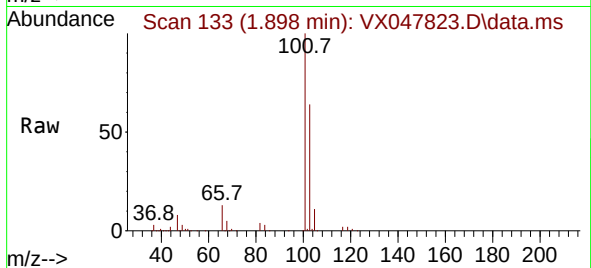




#7
 Trichlorofluoromethane
 Concen: 51.144 ug/l
 RT: 1.898 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047823.D
 Acq: 25 Sep 2025 19:09

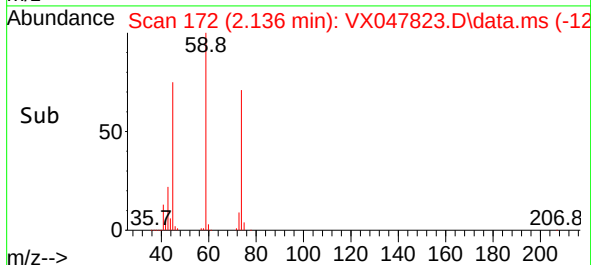
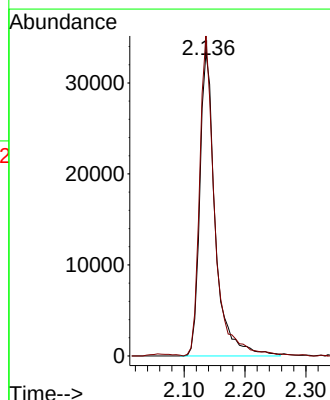
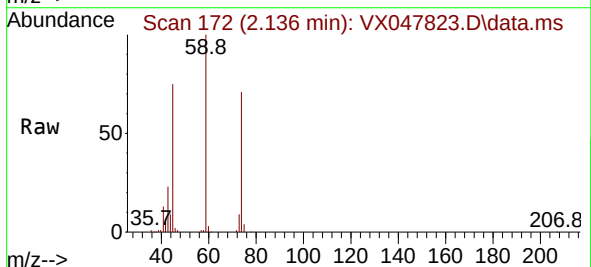
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

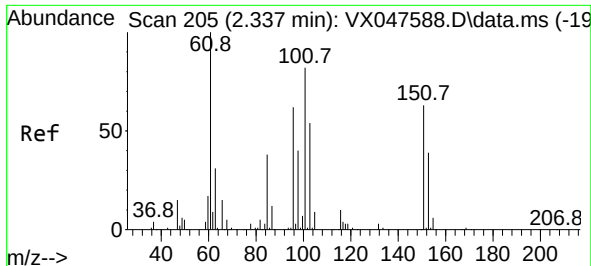
Tgt Ion:101 Resp: 139775
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.4 77.2



#8
 Diethyl Ether
 Concen: 52.626 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. -0.000 min
 Lab File: VX047823.D
 Acq: 25 Sep 2025 19:09

Tgt Ion: 74 Resp: 58834
 Ion Ratio Lower Upper
 74 100
 45 103.6 52.3 156.8

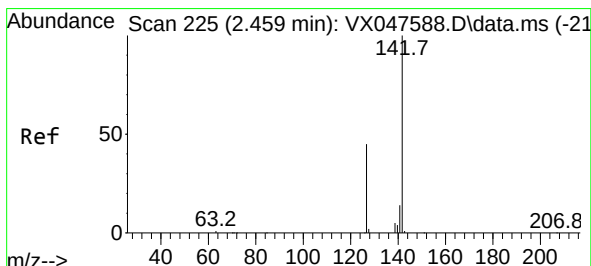
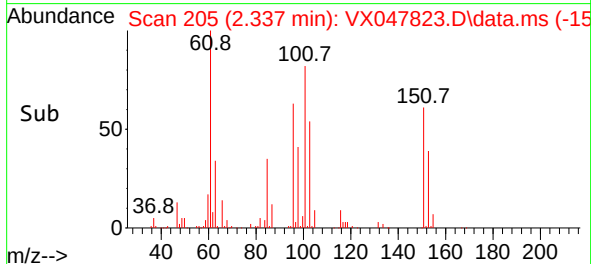
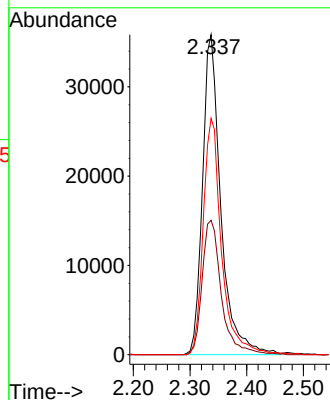
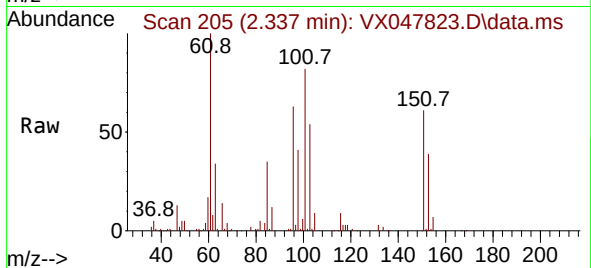




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.334 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

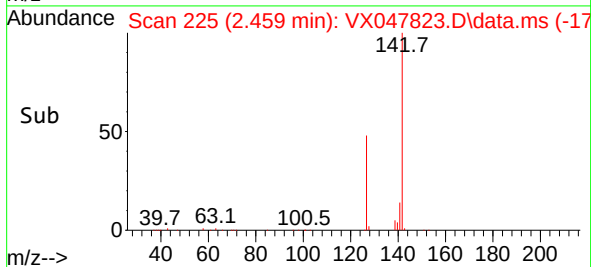
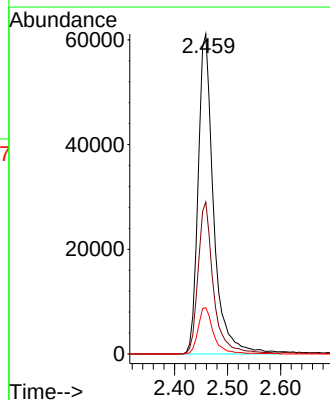
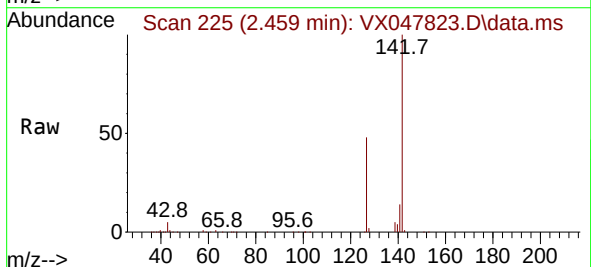
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

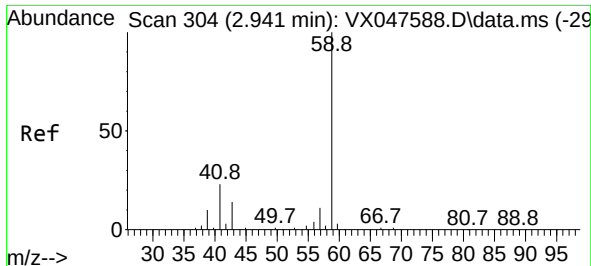
Tgt Ion:101 Resp: 80435
Ion Ratio Lower Upper
101 100
85 44.1 35.5 53.3
151 74.0 59.4 89.0



#10
Methyl Iodide
Concen: 49.736 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion:142 Resp: 123956
Ion Ratio Lower Upper
142 100
127 47.2 37.2 55.8
141 14.6 11.4 17.0

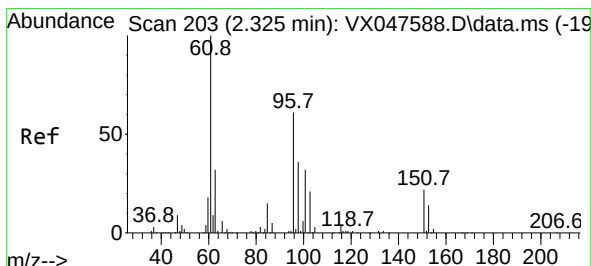
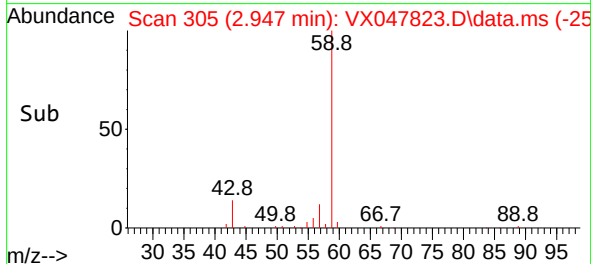
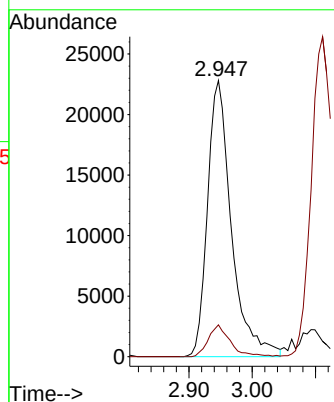
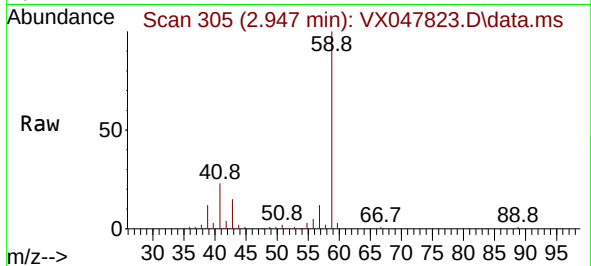




#11
Tert butyl alcohol
Concen: 244.991 ug/l
RT: 2.947 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

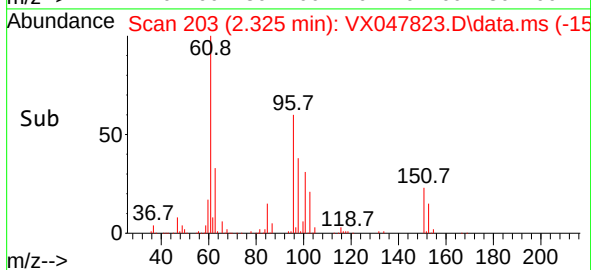
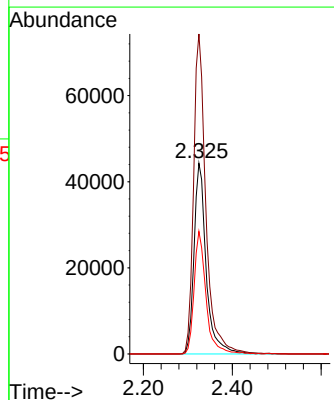
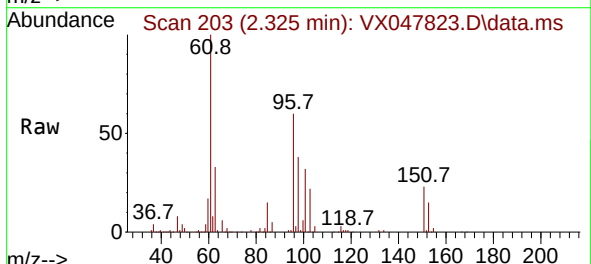
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

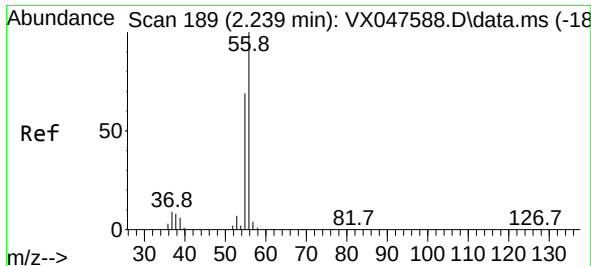
Tgt Ion: 59 Resp: 60006
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5



#12
1,1-Dichloroethene
Concen: 51.413 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 96 Resp: 84395
Ion Ratio Lower Upper
96 100
61 167.7 131.0 196.6
98 64.3 47.7 71.5

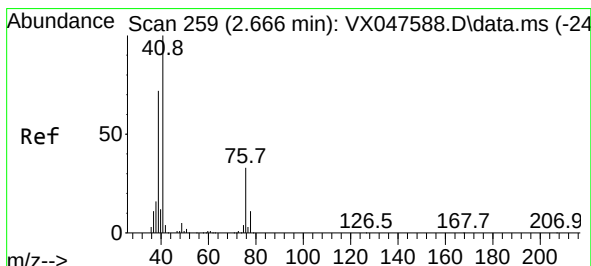
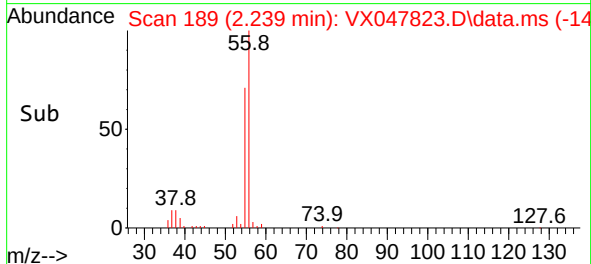
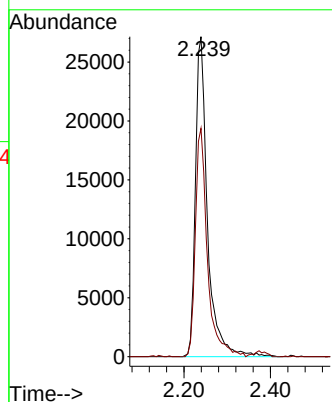
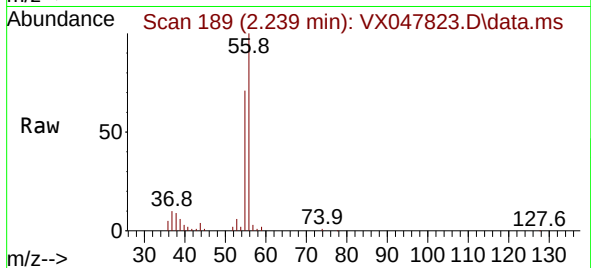




#13
Acrolein
Concen: 232.189 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

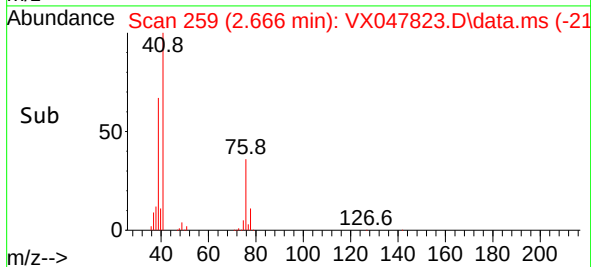
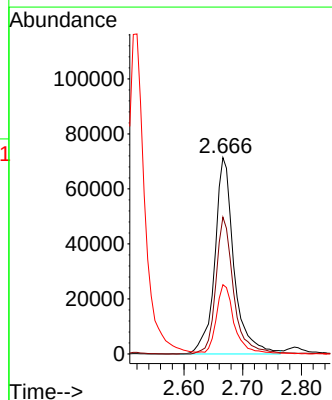
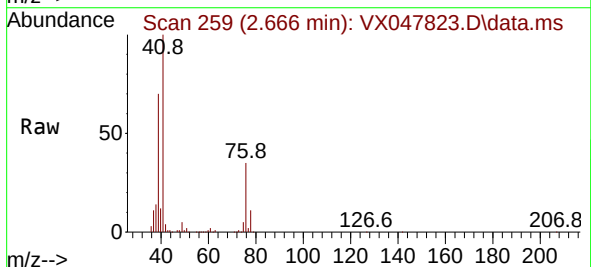
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

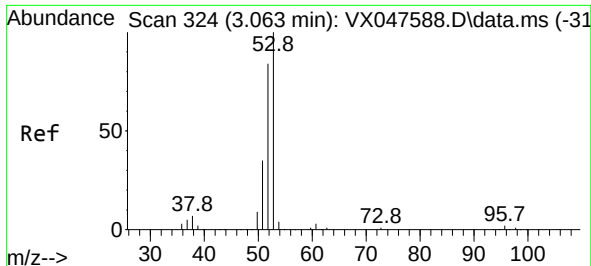
Tgt Ion: 56 Resp: 52407
Ion Ratio Lower Upper
56 100
55 71.2 57.2 85.8



#14
Allyl chloride
Concen: 47.995 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 41 Resp: 162575
Ion Ratio Lower Upper
41 100
39 64.9 54.7 82.1
76 33.3 25.7 38.5

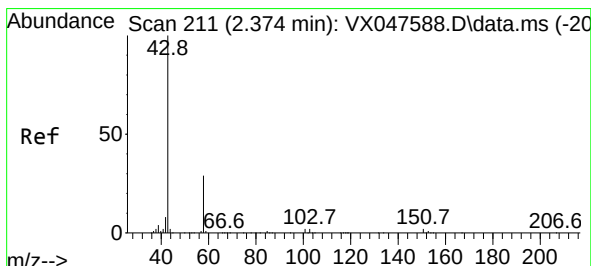
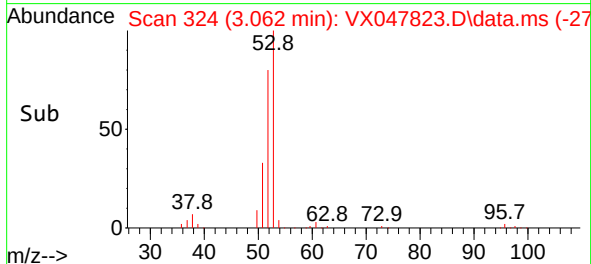
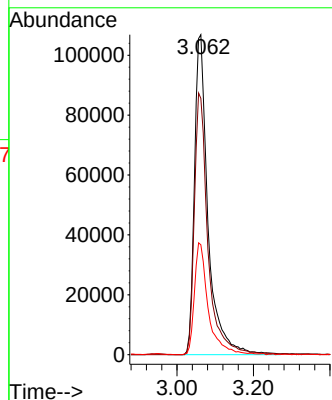
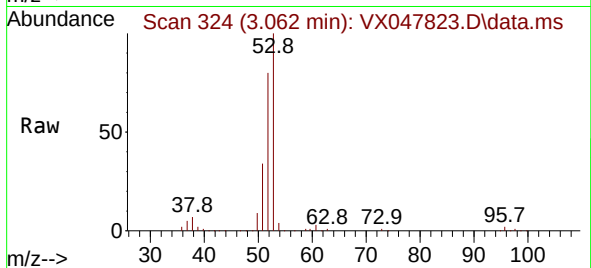




#15
Acrylonitrile
Concen: 290.682 ug/l
RT: 3.062 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

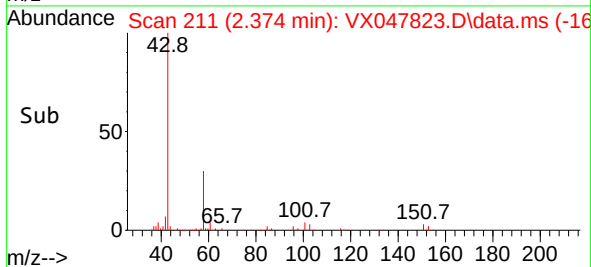
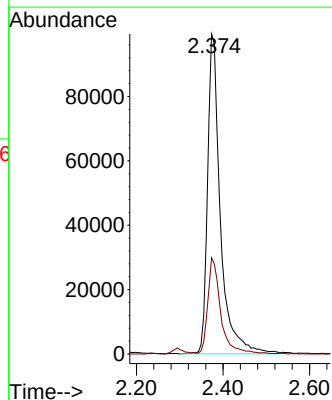
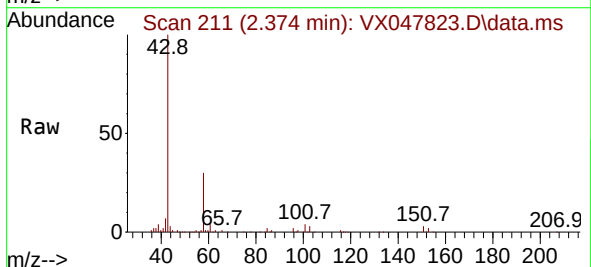
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

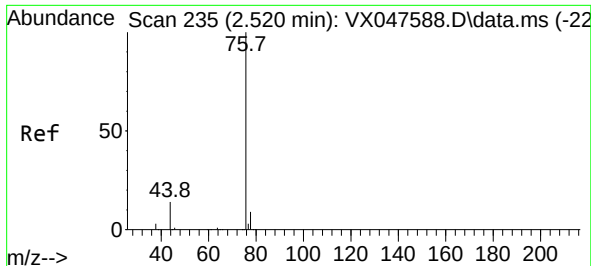
Tgt Ion: 53 Resp: 263719
Ion Ratio Lower Upper
53 100
52 81.5 66.4 99.6
51 35.7 29.5 44.3



#16
Acetone
Concen: 213.041 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 43 Resp: 203713
Ion Ratio Lower Upper
43 100
58 30.9 23.4 35.0

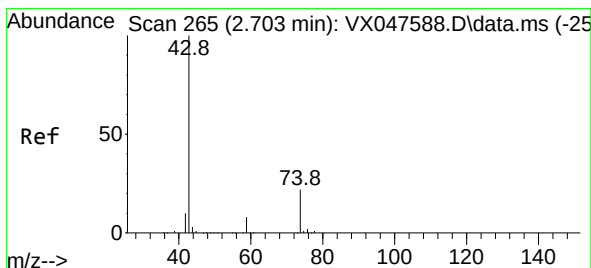
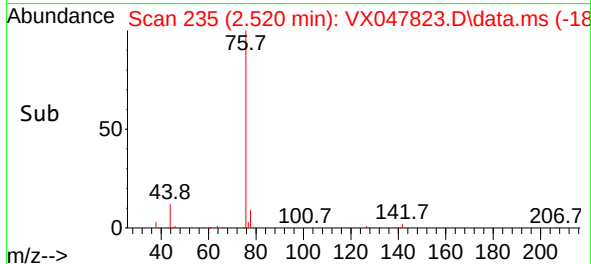
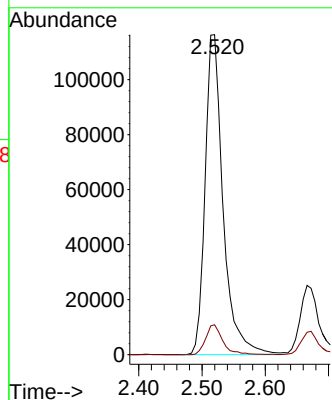
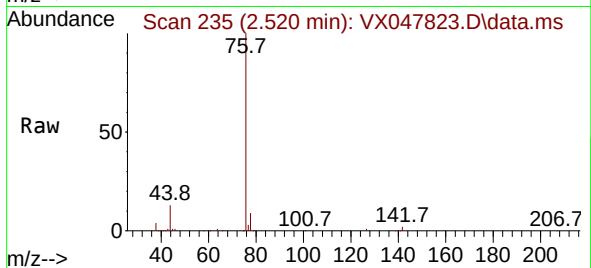




#17
Carbon Disulfide
Concen: 51.229 ug/l
RT: 2.520 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

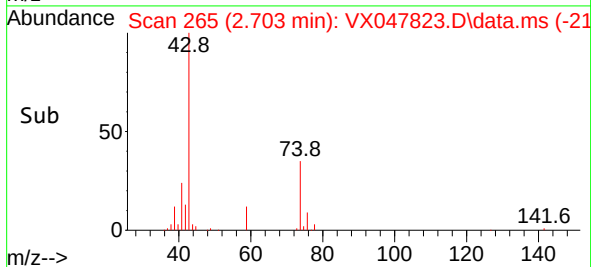
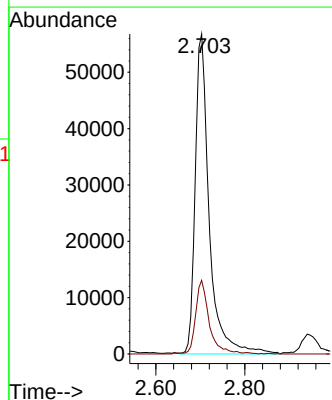
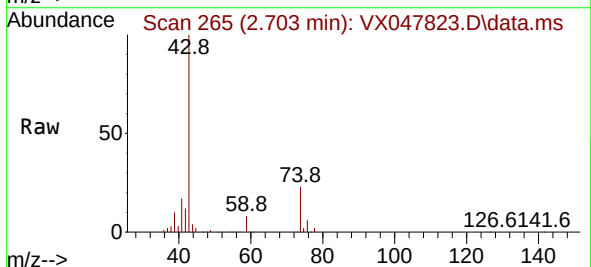
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

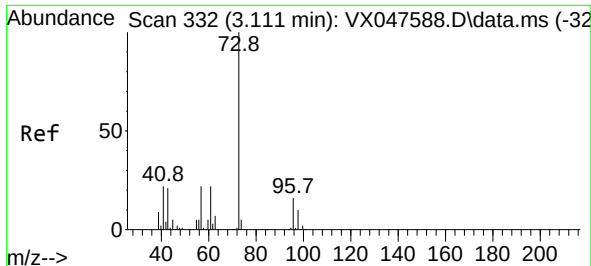
Tgt Ion: 76 Resp: 230212
Ion Ratio Lower Upper
76 100
78 9.4 6.8 10.2



#18
Methyl Acetate
Concen: 58.207 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 43 Resp: 123868
Ion Ratio Lower Upper
43 100
74 21.2 17.4 26.2

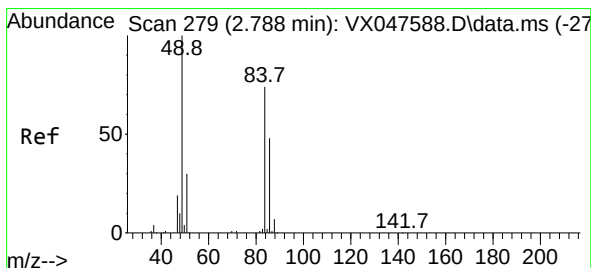
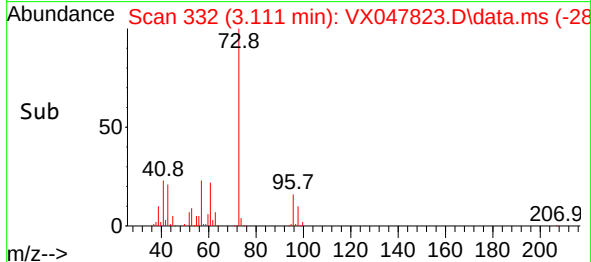
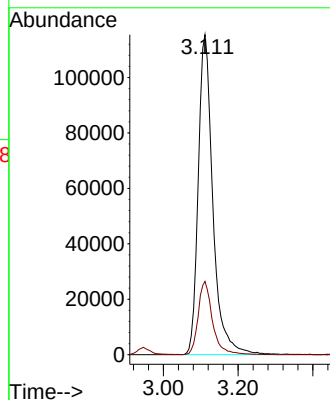
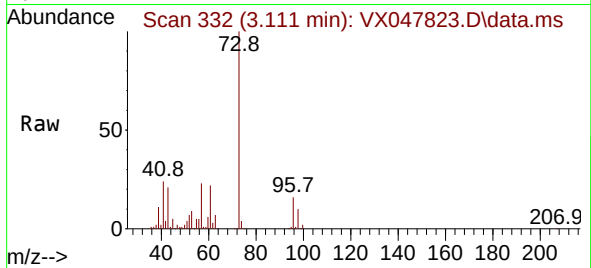




#19
Methyl tert-butyl Ether
Concen: 52.268 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

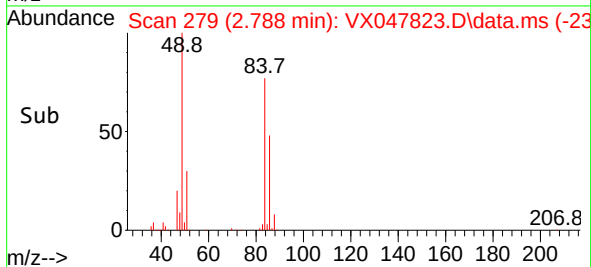
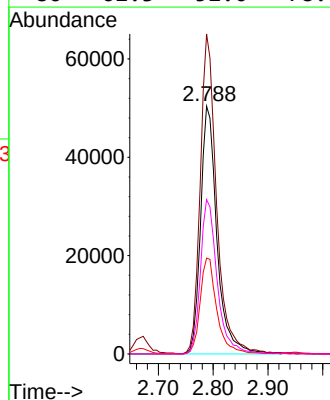
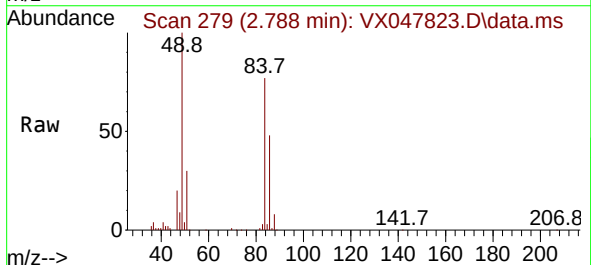
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

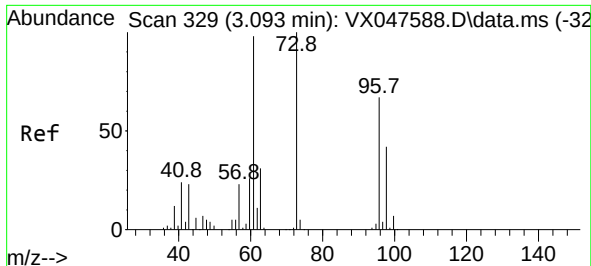
Tgt Ion: 73 Resp: 313200
Ion Ratio Lower Upper
73 100
57 22.9 17.4 26.2



#20
Methylene Chloride
Concen: 51.882 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 84 Resp: 105012
Ion Ratio Lower Upper
84 100
49 128.9 108.6 162.8
51 38.7 32.6 48.8
86 62.3 52.0 78.0

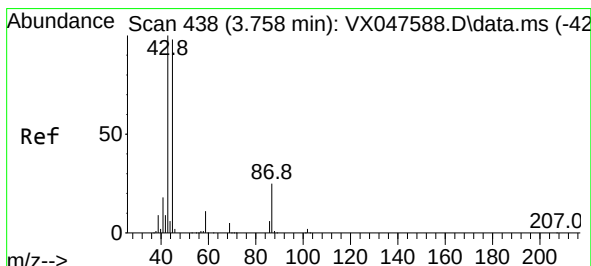
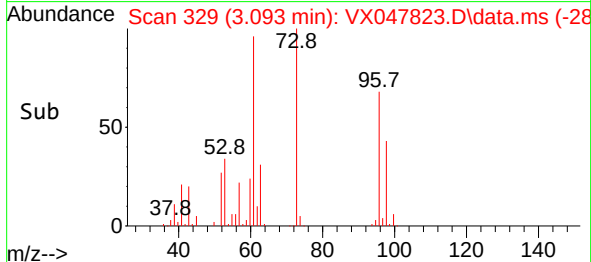
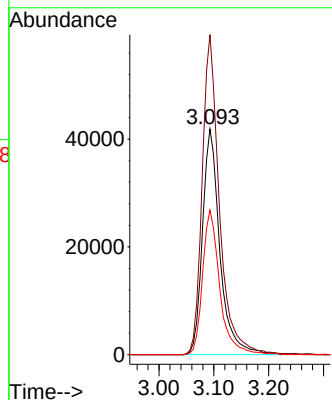
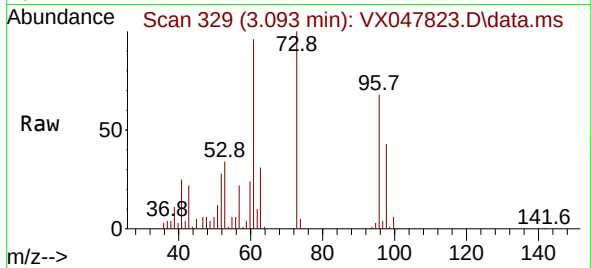




#21
trans-1,2-Dichloroethene
Concen: 52.273 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

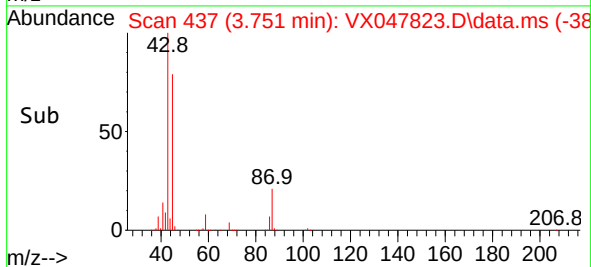
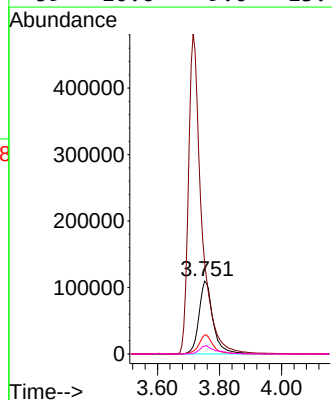
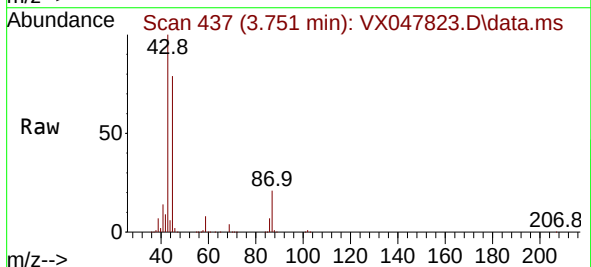
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

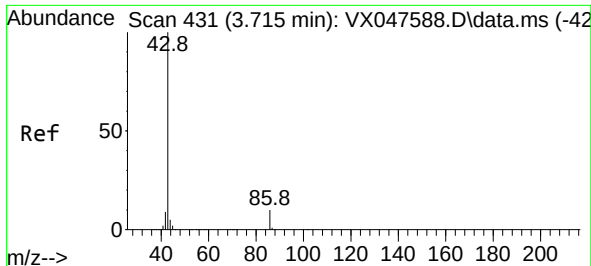
Tgt Ion: 96 Resp: 92382
Ion Ratio Lower Upper
96 100
61 141.8 116.2 174.2
98 65.6 49.3 73.9



#22
Diisopropyl ether
Concen: 52.663 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 45 Resp: 345715
Ion Ratio Lower Upper
45 100
43 125.6 81.0 121.4#
87 26.0 20.3 30.5
59 10.6 9.0 13.4

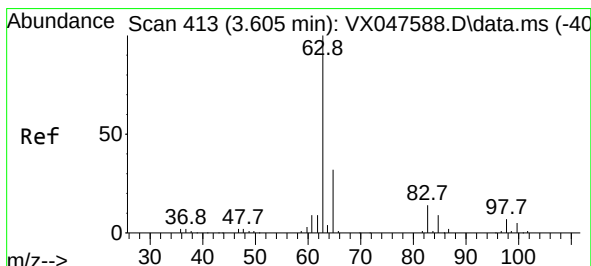
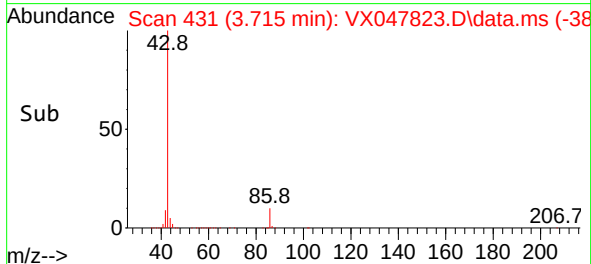
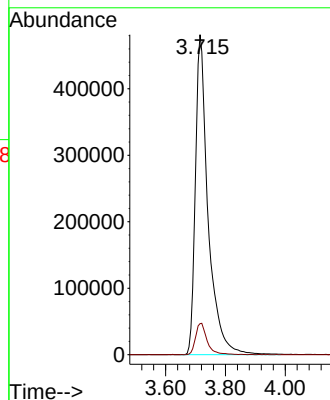
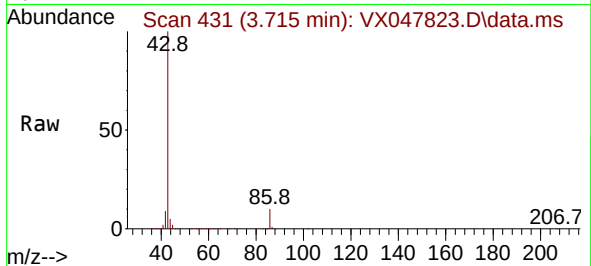




#23
 Vinyl Acetate
 Concen: 269.815 ug/l
 RT: 3.715 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX047823.D
 Acq: 25 Sep 2025 19:09

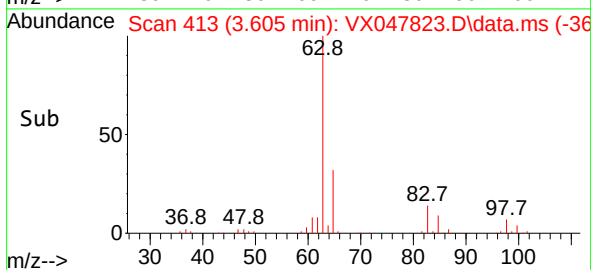
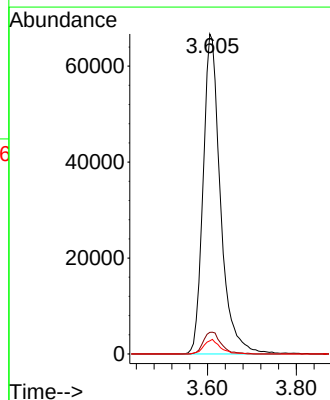
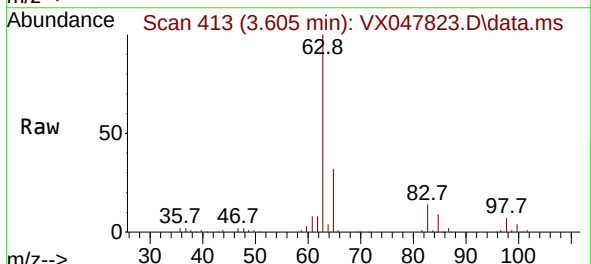
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

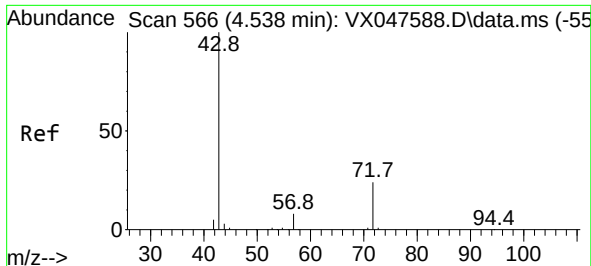
Tgt Ion: 43 Resp: 1417612
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 52.037 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX047823.D
 Acq: 25 Sep 2025 19:09

Tgt Ion: 63 Resp: 181568
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.8 11.2
 100 4.1 2.3 6.9





#25

2-Butanone

Concen: 264.723 ug/l

RT: 4.544 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

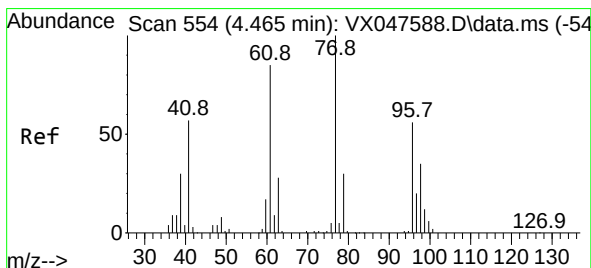
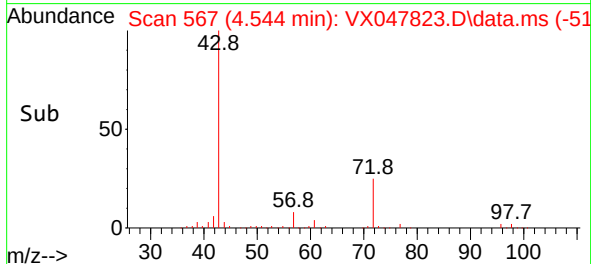
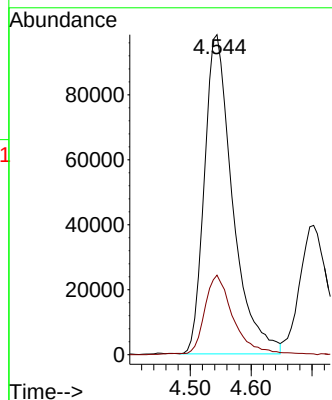
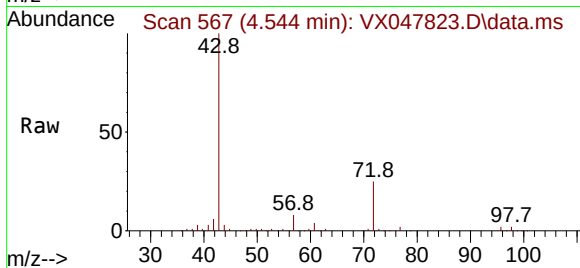
VSTDCCC050EC

Tgt Ion: 43 Resp: 315750

Ion Ratio Lower Upper

43 100

72 24.5 20.1 30.1



#26

2,2-Dichloropropane

Concen: 36.580 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX047823.D

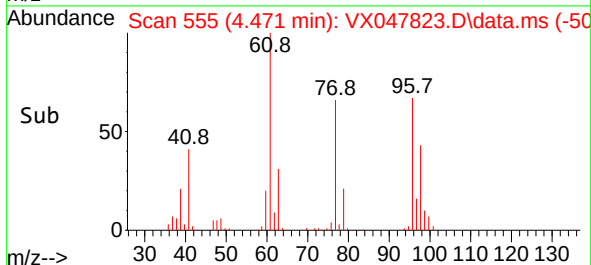
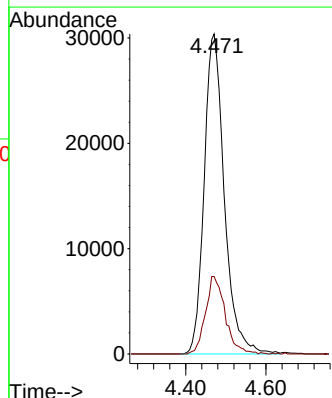
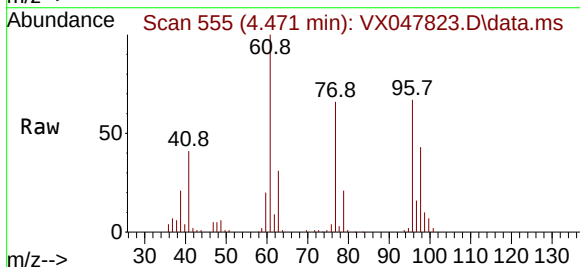
Acq: 25 Sep 2025 19:09

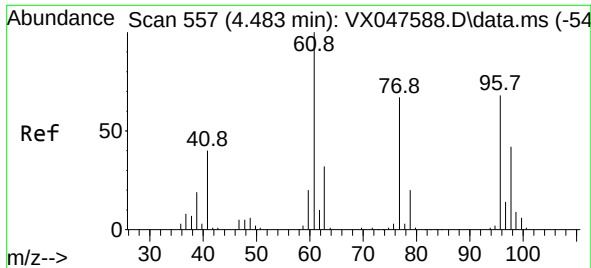
Tgt Ion: 77 Resp: 106096

Ion Ratio Lower Upper

77 100

97 23.7 10.9 32.7

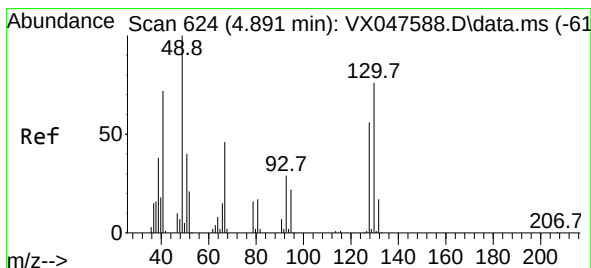
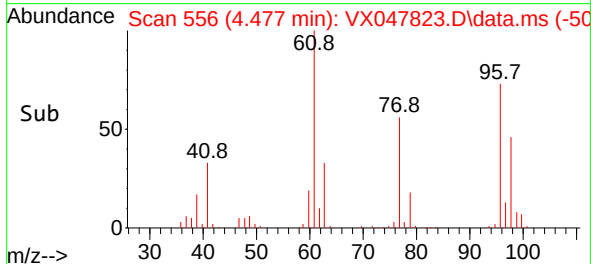
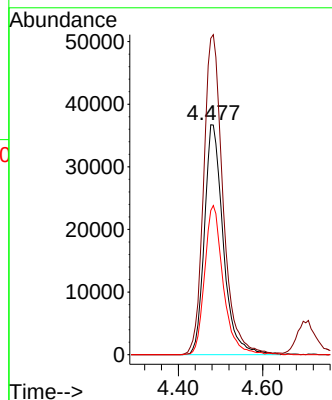
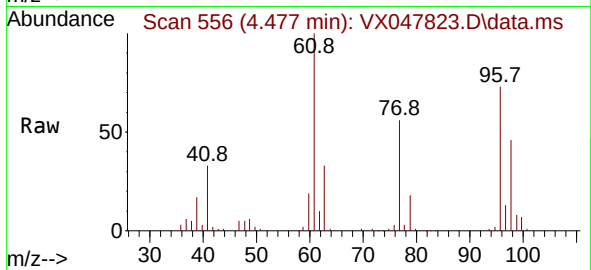




#27
 cis-1,2-Dichloroethene
 Concen: 52.554 ug/l
 RT: 4.477 min Scan# 511
 Delta R.T. -0.006 min
 Lab File: VX047823.D
 Acq: 25 Sep 2025 19:09

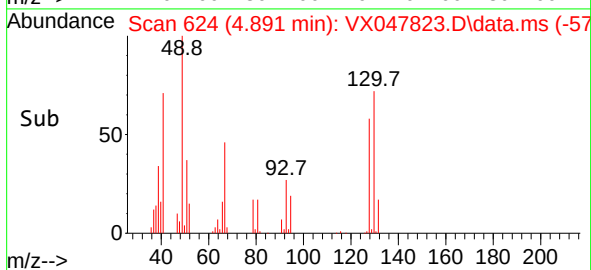
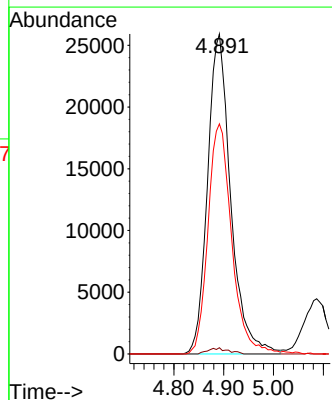
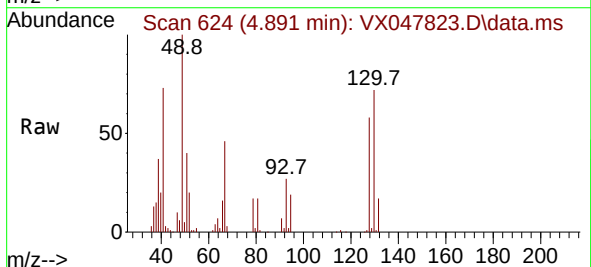
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

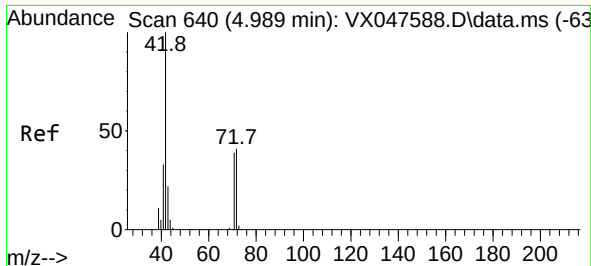
Tgt Ion: 96 Resp: 113745
 Ion Ratio Lower Upper
 96 100
 61 143.8 0.0 303.2
 98 64.0 0.0 127.8



#28
 Bromochloromethane
 Concen: 54.859 ug/l
 RT: 4.891 min Scan# 624
 Delta R.T. -0.000 min
 Lab File: VX047823.D
 Acq: 25 Sep 2025 19:09

Tgt Ion: 49 Resp: 83565
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.2
 130 73.6 57.8 86.8





#29

Tetrahydrofuran

Concen: 286.033 ug/l

RT: 4.995 min Scan# 641

Delta R.T. 0.006 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

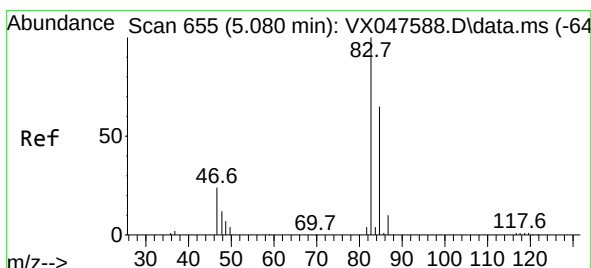
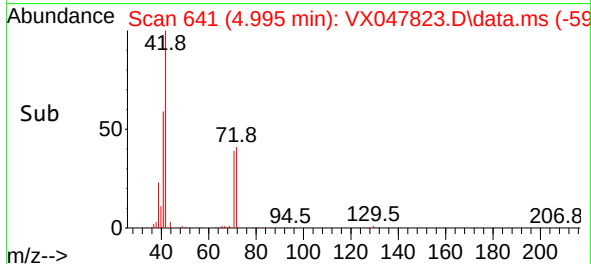
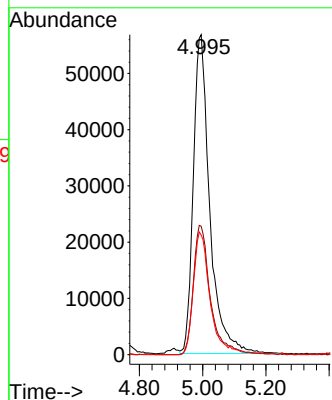
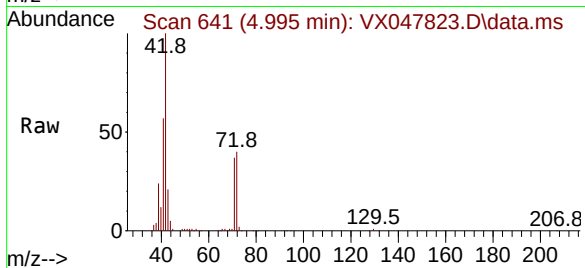
Tgt Ion: 42 Resp: 205239

Ion Ratio Lower Upper

42 100

72 42.3 34.2 51.2

71 39.5 31.9 47.9



#30

Chloroform

Concen: 53.091 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX047823.D

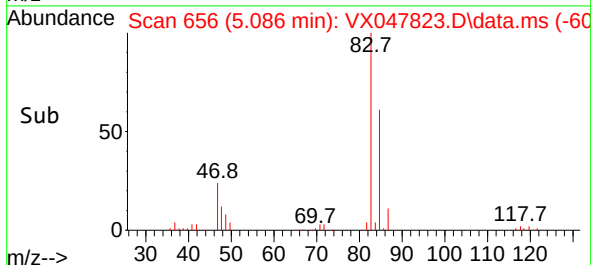
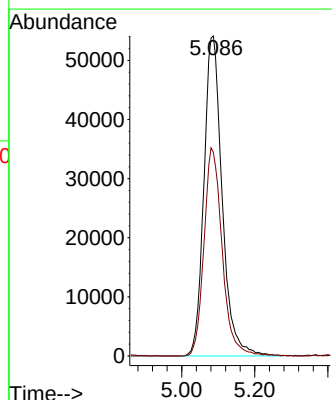
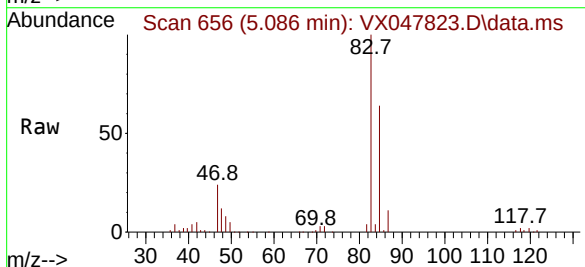
Acq: 25 Sep 2025 19:09

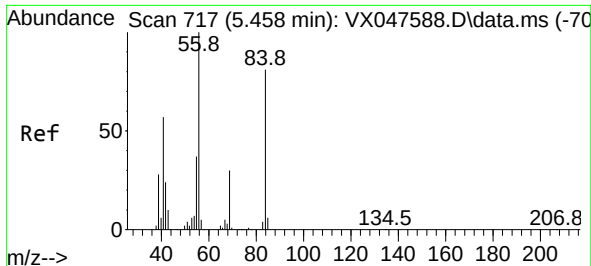
Tgt Ion: 83 Resp: 187196

Ion Ratio Lower Upper

83 100

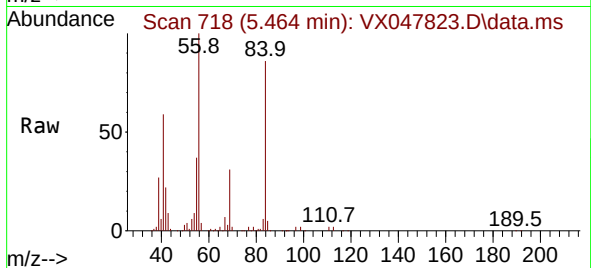
85 63.7 51.8 77.6





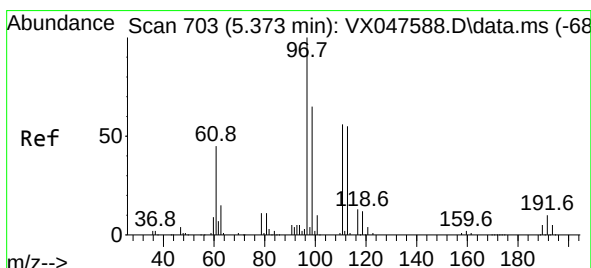
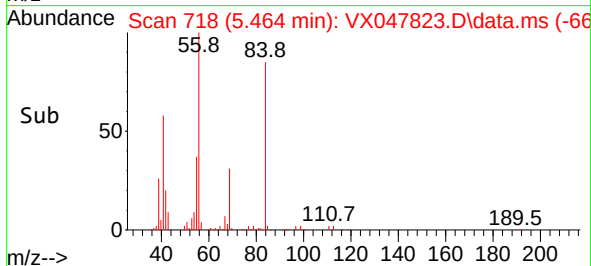
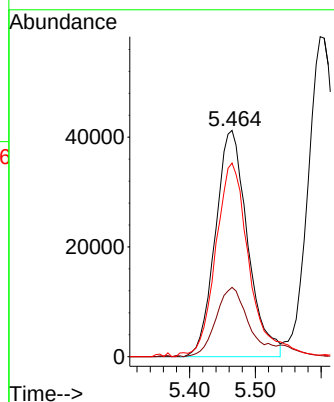
#31
Cyclohexane
Concen: 48.357 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 56 Resp: 140528

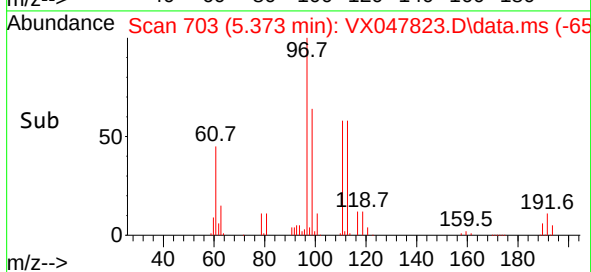
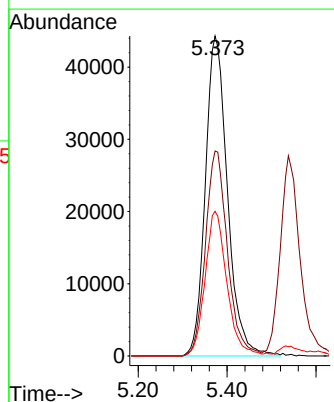
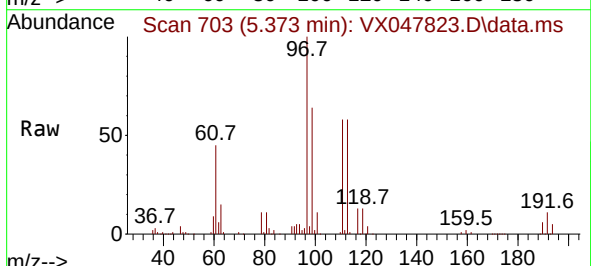
Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.8	35.8
84	84.0	64.6	97.0

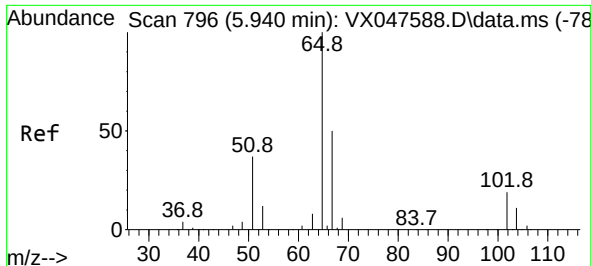


#32
1,1,1-Trichloroethane
Concen: 51.302 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 97 Resp: 153431

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	76.0
61	44.6	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 48.331 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

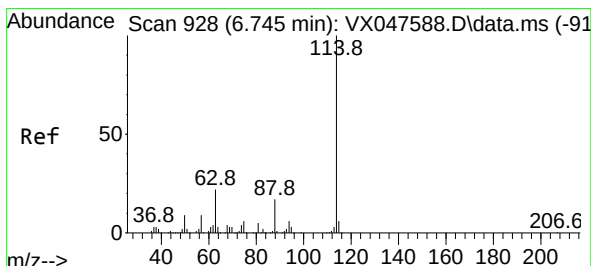
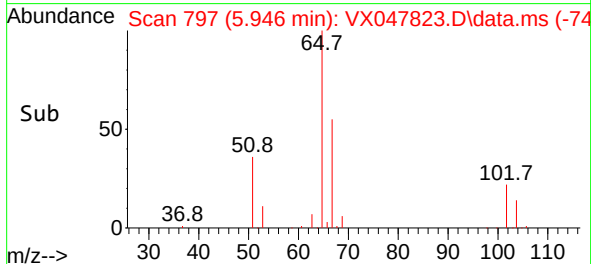
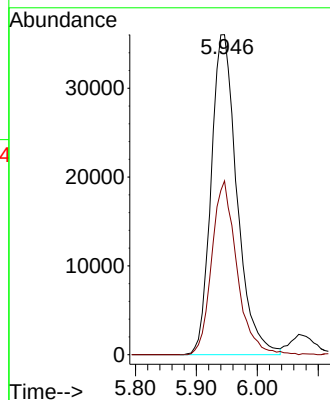
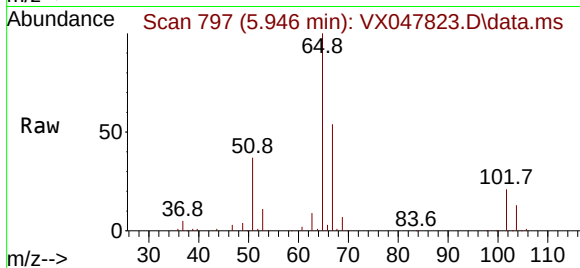
VSTDCCC050EC

Tgt Ion: 65 Resp: 106288

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

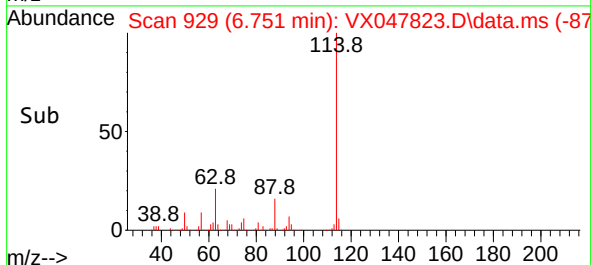
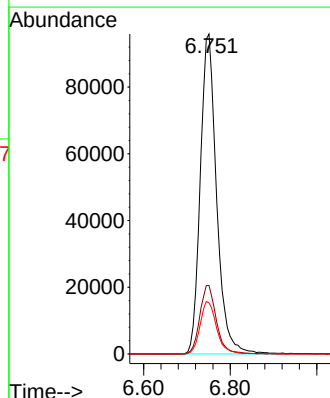
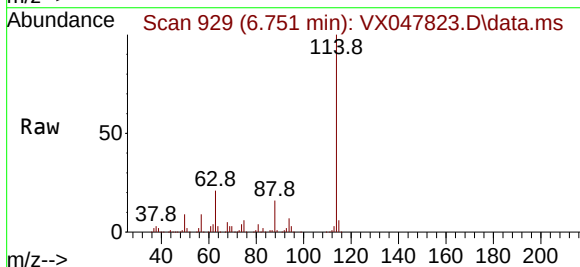
Tgt Ion: 114 Resp: 250600

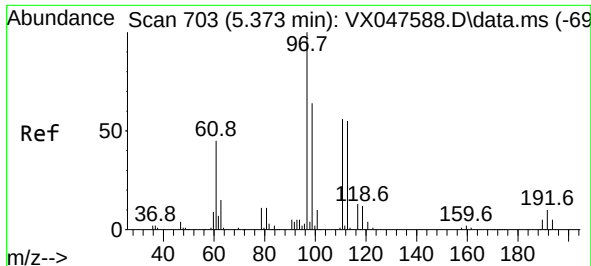
Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.0

88 16.0 0.0 34.2





#35

Dibromofluoromethane

Concen: 50.006 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

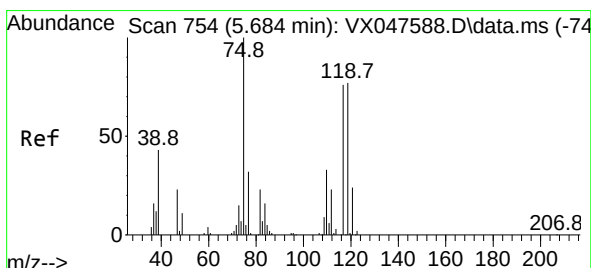
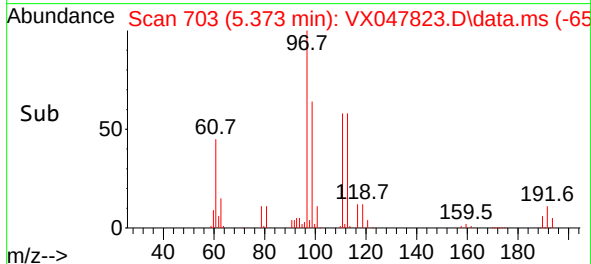
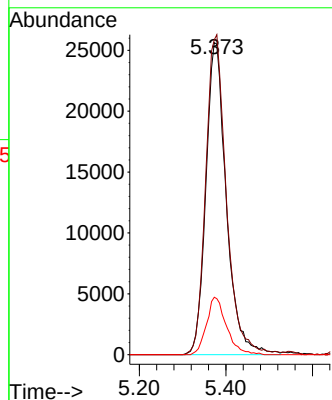
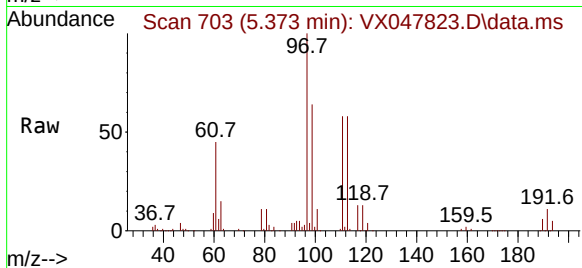
Tgt Ion:113 Resp: 84043

Ion Ratio Lower Upper

113 100

111 103.7 80.9 121.3

192 18.0 14.2 21.4



#36

1,1-Dichloropropene

Concen: 47.622 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

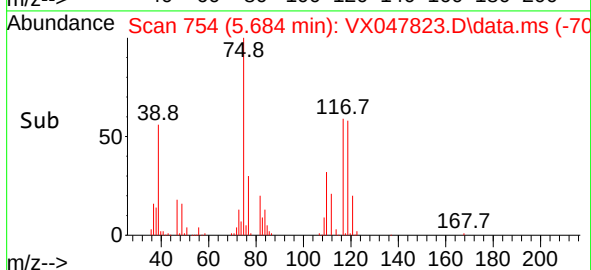
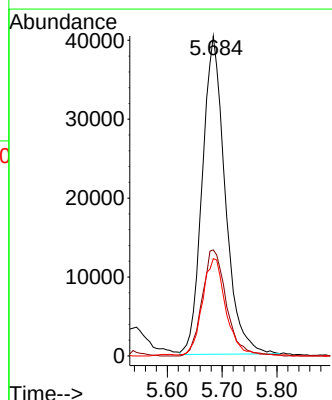
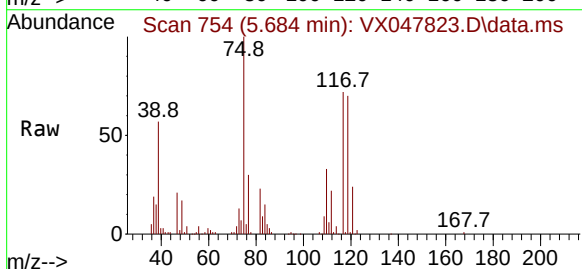
Tgt Ion: 75 Resp: 116951

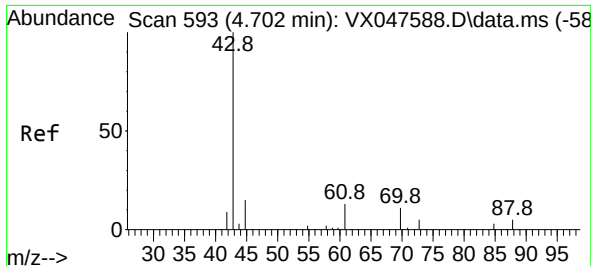
Ion Ratio Lower Upper

75 100

110 35.3 16.7 50.1

77 31.3 24.3 36.5





#37

Ethyl Acetate

Concen: 51.520 ug/l

RT: 4.702 min Scan# 593

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

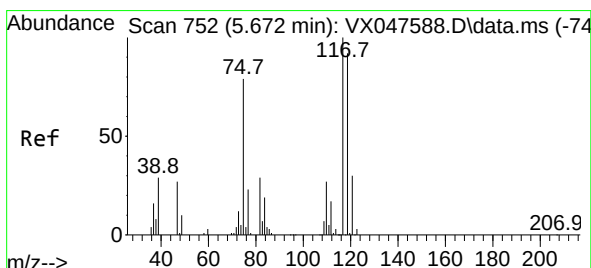
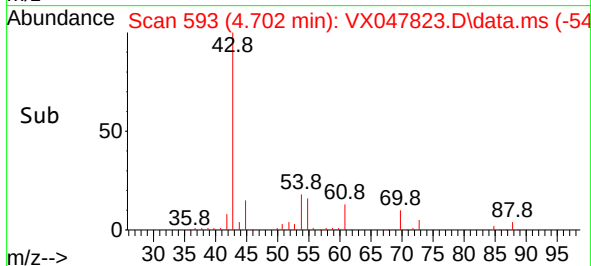
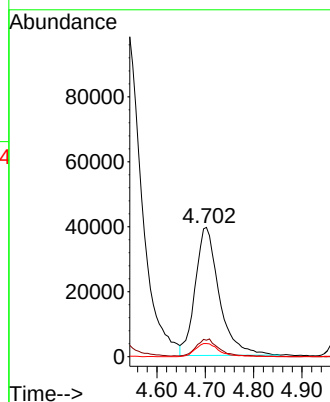
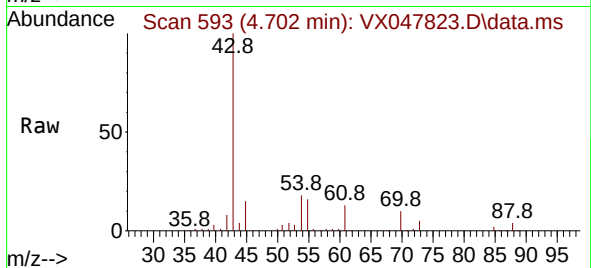
Tgt Ion: 43 Resp: 135472

Ion Ratio Lower Upper

43 100

61 12.8 9.8 14.8

70 10.3 7.9 11.9



#38

Carbon Tetrachloride

Concen: 48.736 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

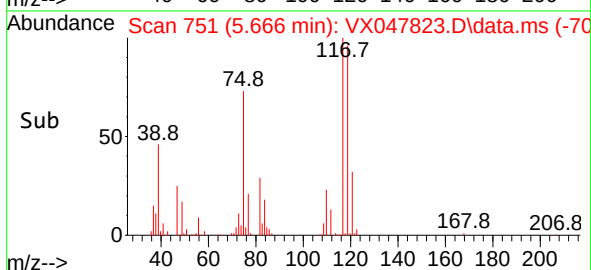
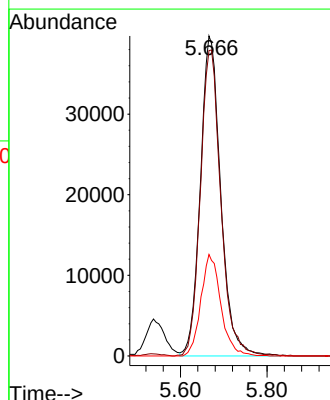
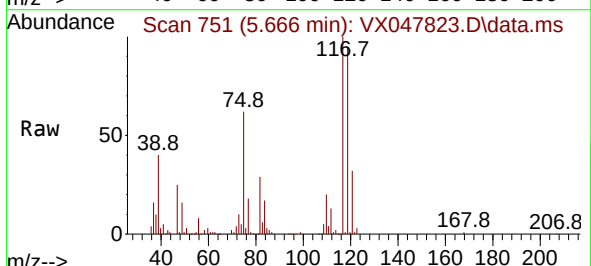
Tgt Ion: 117 Resp: 130043

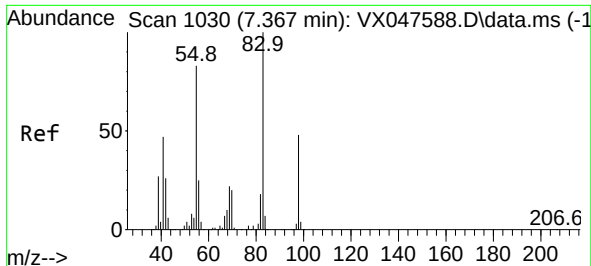
Ion Ratio Lower Upper

117 100

119 95.3 73.4 110.2

121 31.7 23.8 35.6





#39

Methylcyclohexane

Concen: 47.385 ug/l

RT: 7.367 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

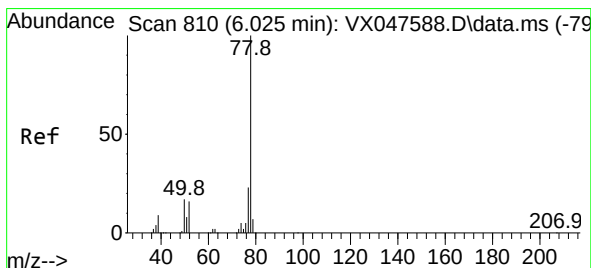
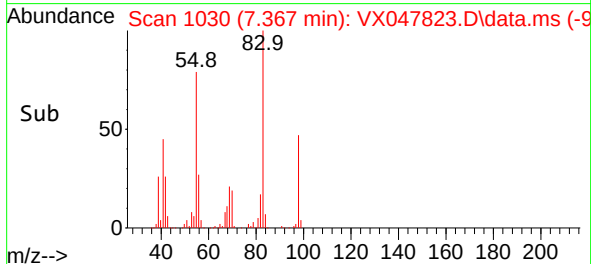
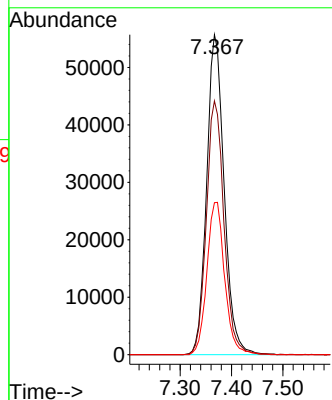
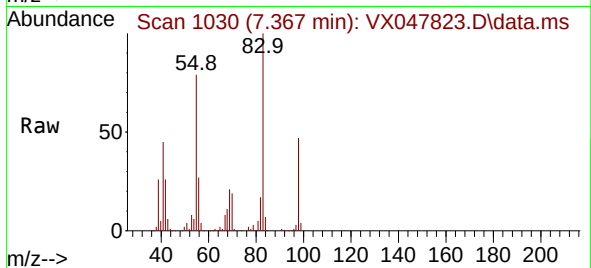
Tgt Ion: 83 Resp: 132095

Ion Ratio Lower Upper

83 100

55 79.3 66.4 99.6

98 47.5 38.1 57.1



#40

Benzene

Concen: 51.647 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX047823.D

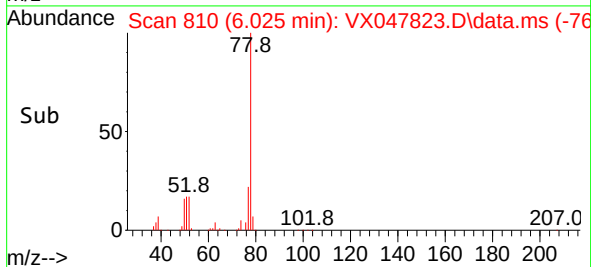
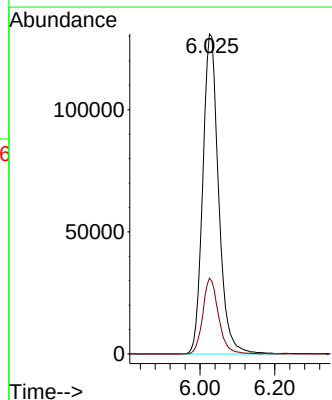
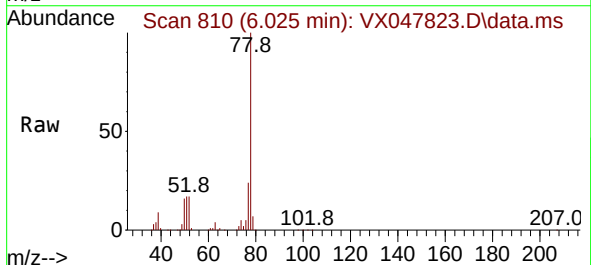
Acq: 25 Sep 2025 19:09

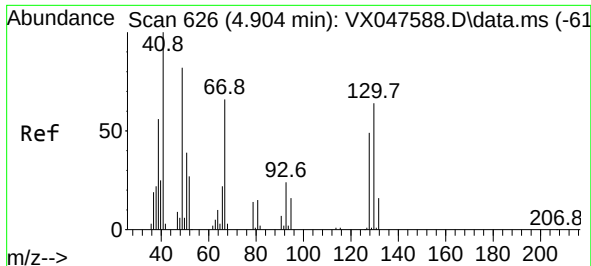
Tgt Ion: 78 Resp: 385239

Ion Ratio Lower Upper

78 100

77 23.7 18.8 28.2

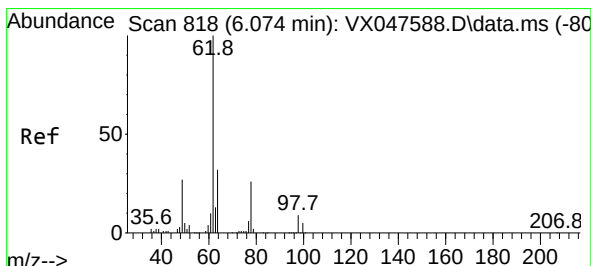
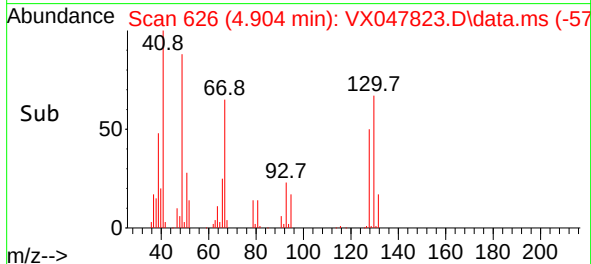
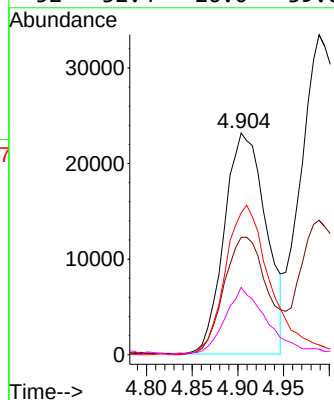
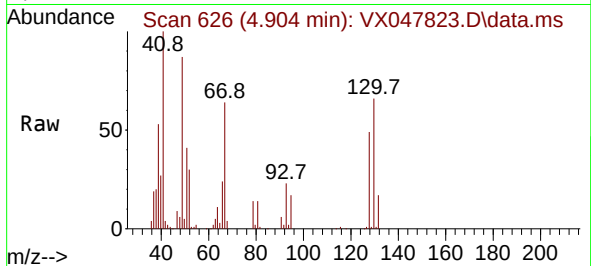




#41
Methacrylonitrile
Concen: 54.368 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

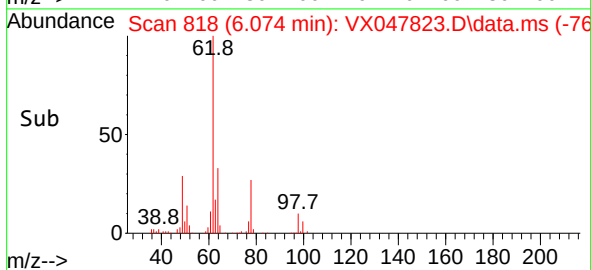
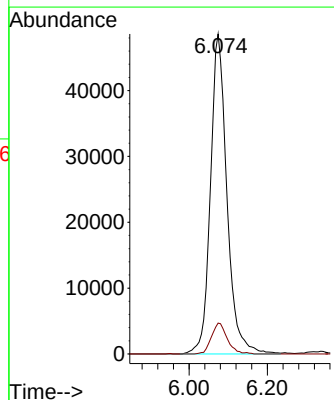
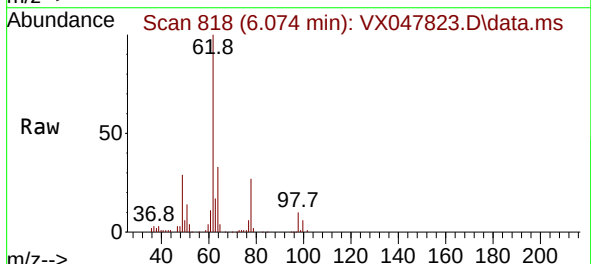
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

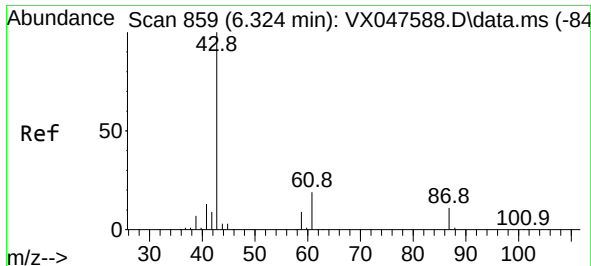
Tgt Ion:	41	Resp:	73804
Ion	Ratio	Lower	Upper
41	100		
39	56.7	43.3	64.9
67	74.7	58.6	87.8
52	32.4	26.0	39.0



#42
1,2-Dichloroethane
Concen: 50.000 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion:	62	Resp:	141902
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.0

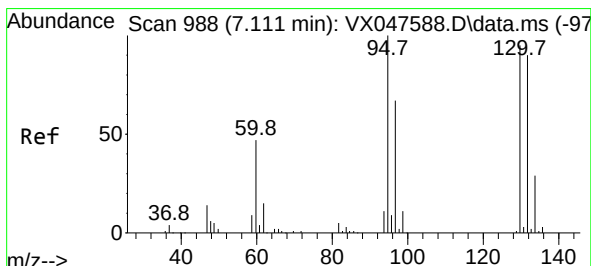
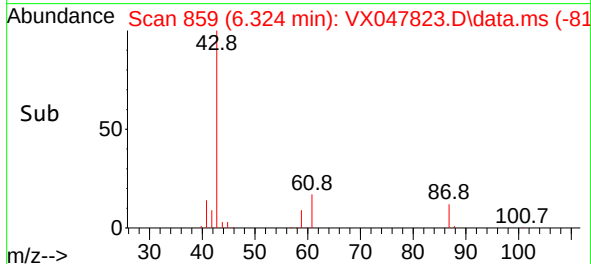
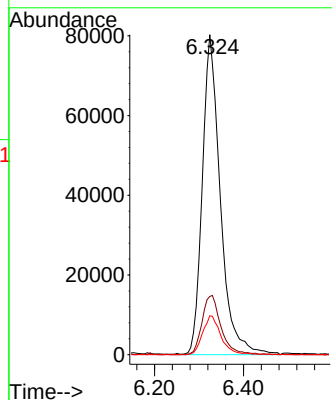
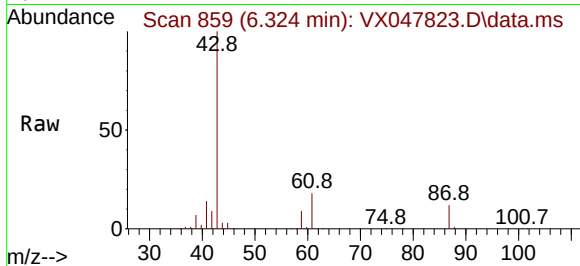




#43
Isopropyl Acetate
Concen: 52.636 ug/l
RT: 6.324 min Scan# 859
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

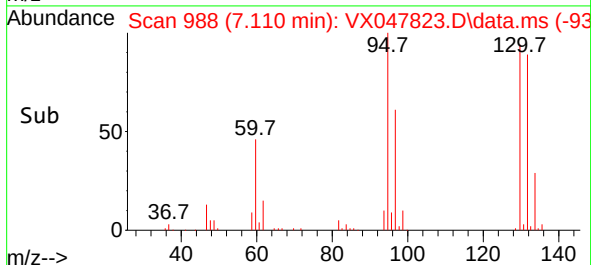
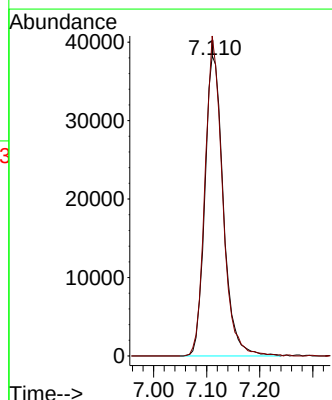
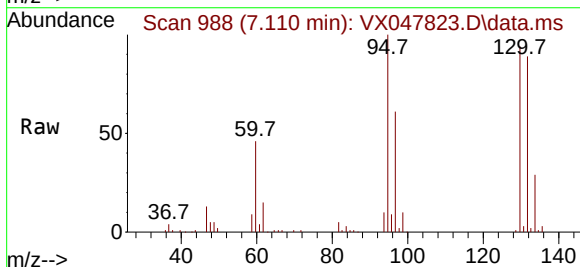
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

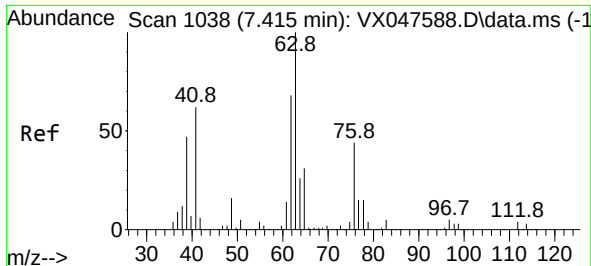
Tgt Ion: 43 Resp: 226994
Ion Ratio Lower Upper
43 100
61 19.4 15.2 22.8
87 12.3 9.6 14.4



#44
Trichloroethene
Concen: 51.375 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion:130 Resp: 92646
Ion Ratio Lower Upper
130 100
95 106.6 0.0 210.8





#45

1,2-Dichloropropane

Concen: 52.856 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

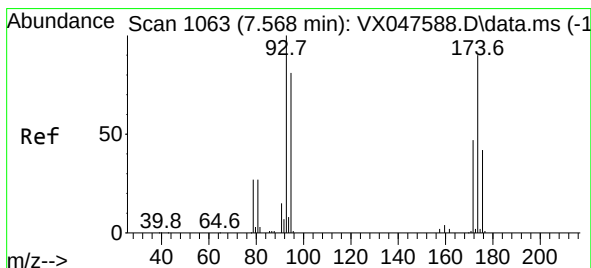
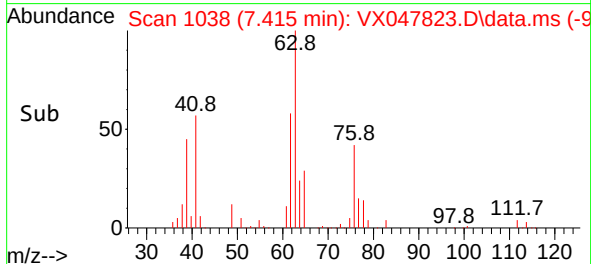
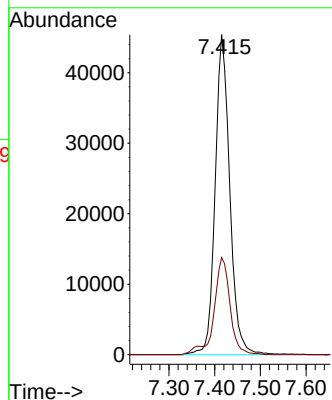
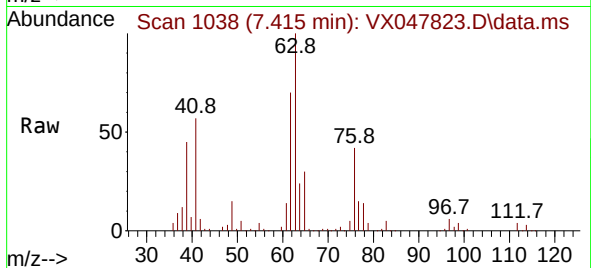
VSTDCCC050EC

Tgt Ion: 63 Resp: 100953

Ion Ratio Lower Upper

63 100

65 30.3 24.7 37.1



#46

Dibromomethane

Concen: 52.781 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

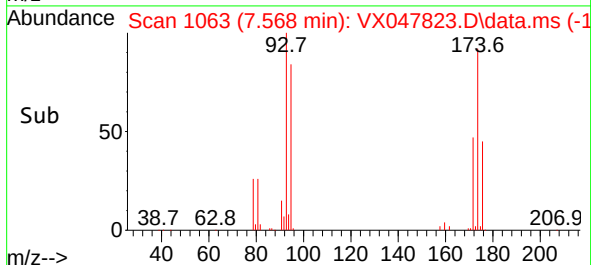
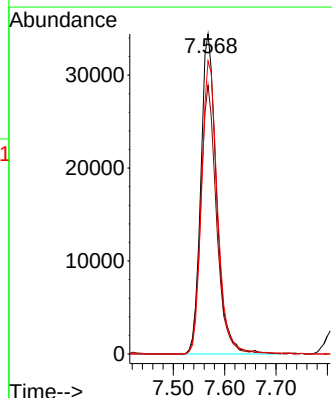
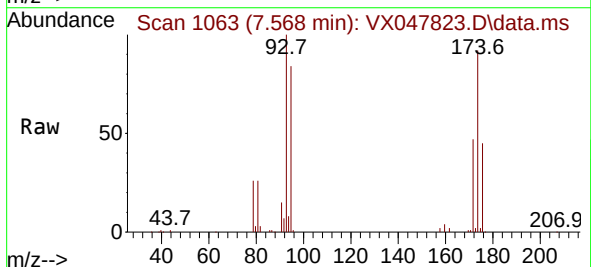
Tgt Ion: 93 Resp: 73360

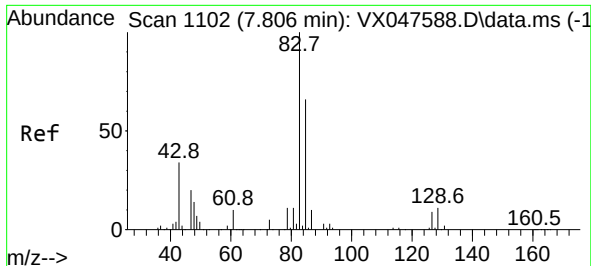
Ion Ratio Lower Upper

93 100

95 84.0 65.0 97.6

174 92.9 71.6 107.4

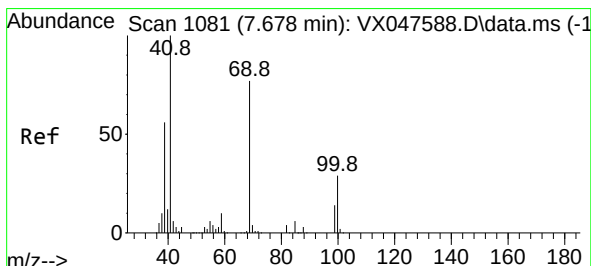
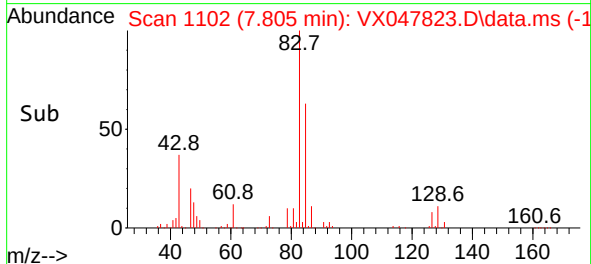
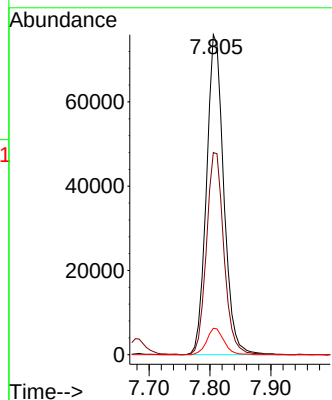
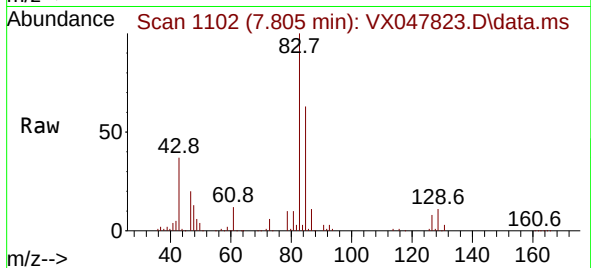




#47
Bromodichloromethane
Concen: 52.127 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

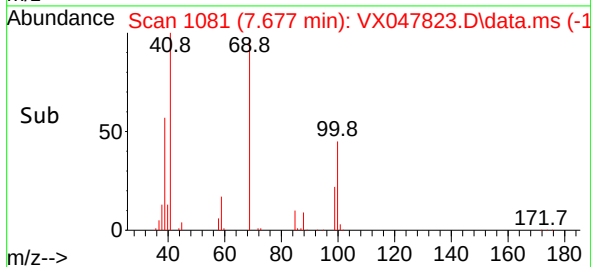
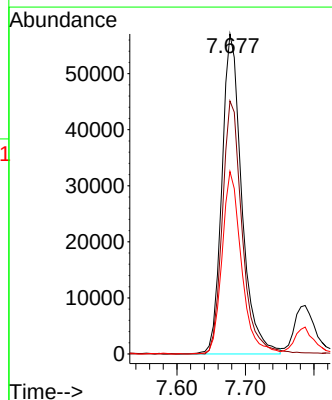
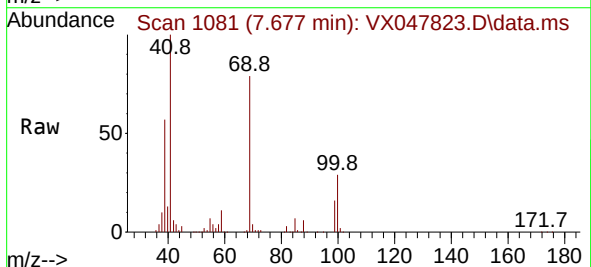
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

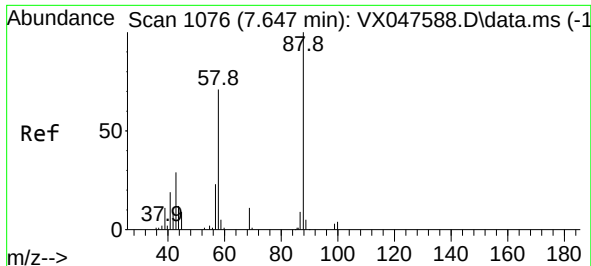
Tgt Ion: 83 Resp: 149506
Ion Ratio Lower Upper
83 100
85 63.2 52.5 78.7
127 8.3 6.9 10.3



#48
Methyl methacrylate
Concen: 53.443 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 41 Resp: 114802
Ion Ratio Lower Upper
41 100
69 78.9 61.4 92.2
39 55.7 45.8 68.6





#49

1,4-Dioxane

Concen: 1317.923 ug/l

RT: 7.647 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

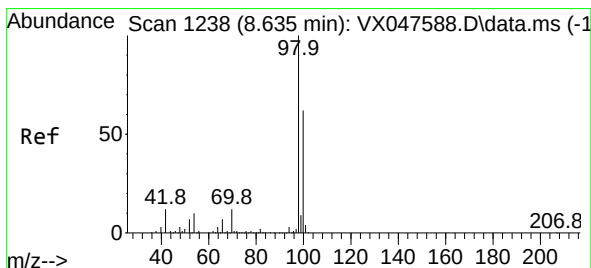
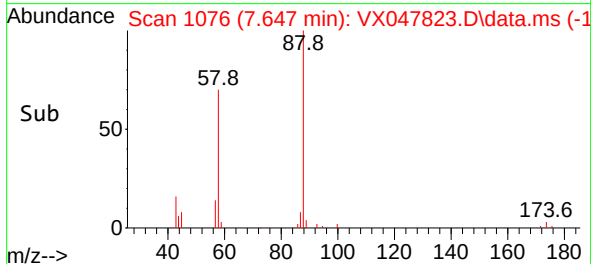
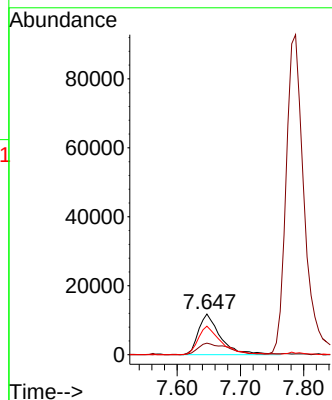
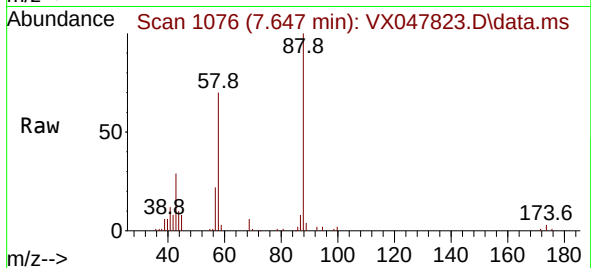
Tgt Ion: 88 Resp: 28611

Ion Ratio Lower Upper

88 100

43 39.0 30.2 45.2

58 72.3 59.5 89.3



#50

Toluene-d8

Concen: 49.227 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047823.D

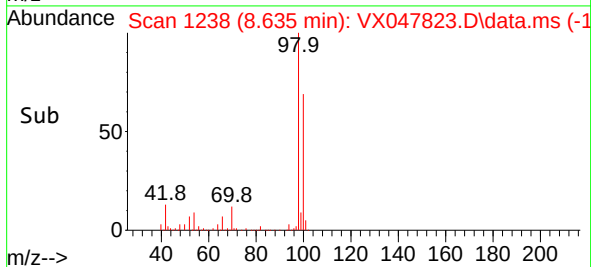
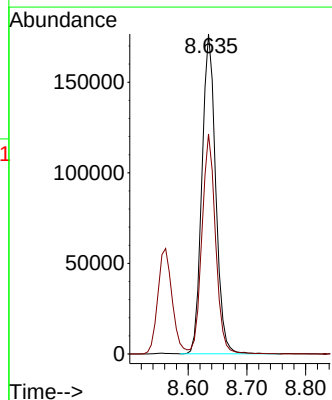
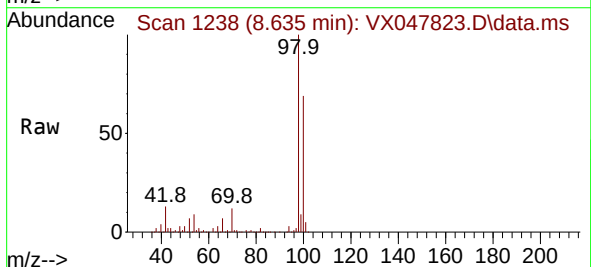
Acq: 25 Sep 2025 19:09

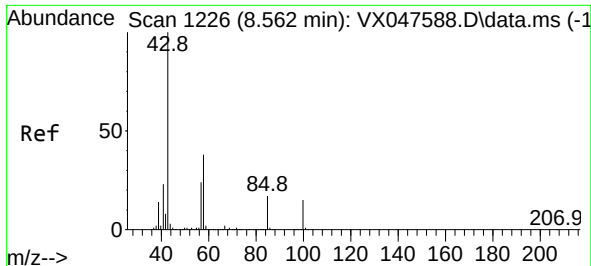
Tgt Ion: 98 Resp: 286276

Ion Ratio Lower Upper

98 100

100 68.1 53.0 79.4

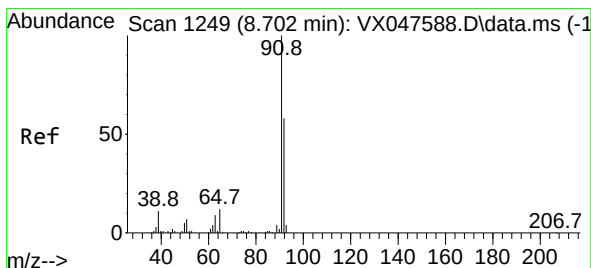
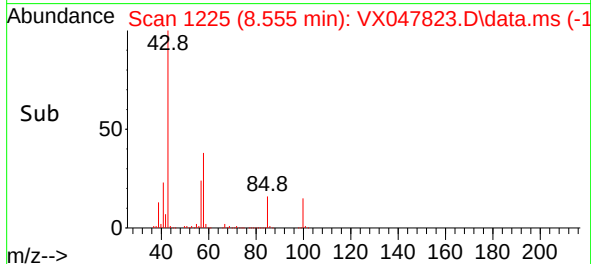
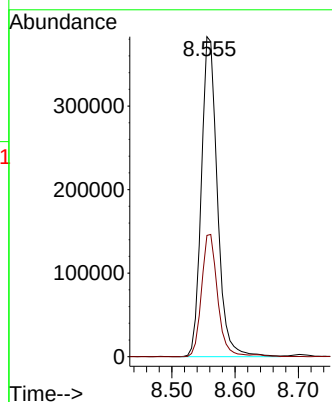
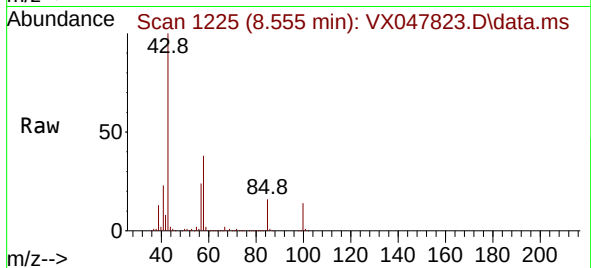




#51
4-Methyl-2-Pentanone
Concen: 283.290 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

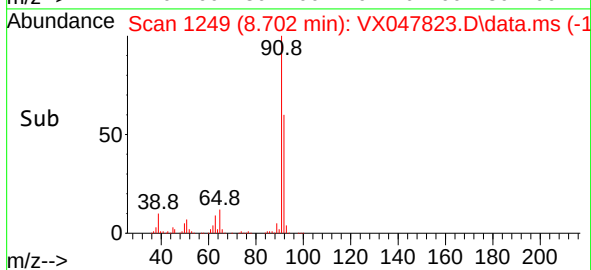
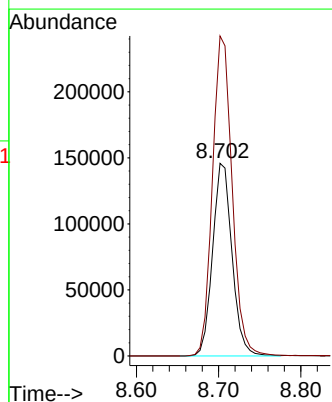
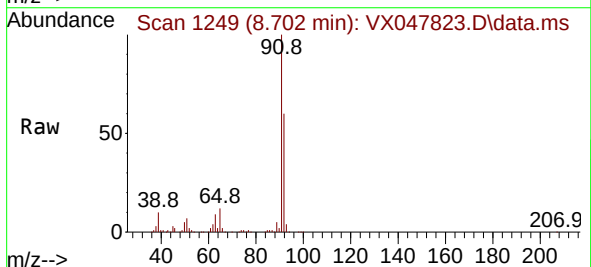
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

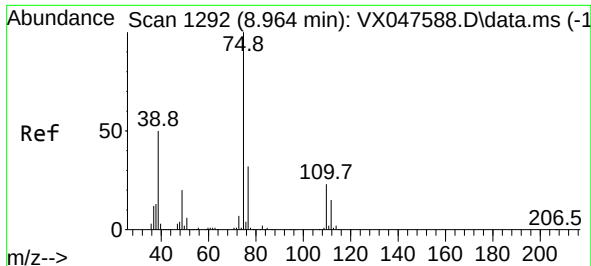
Tgt Ion: 43 Resp: 677366
Ion Ratio Lower Upper
43 100
58 38.1 30.3 45.5



#52
Toluene
Concen: 52.084 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 92 Resp: 239352
Ion Ratio Lower Upper
92 100
91 168.4 137.1 205.7

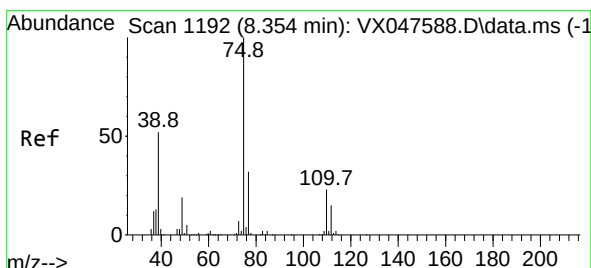
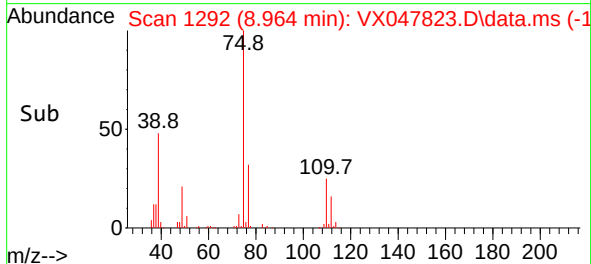
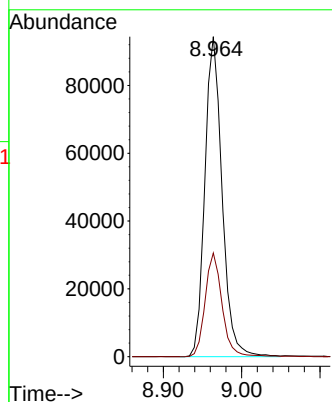
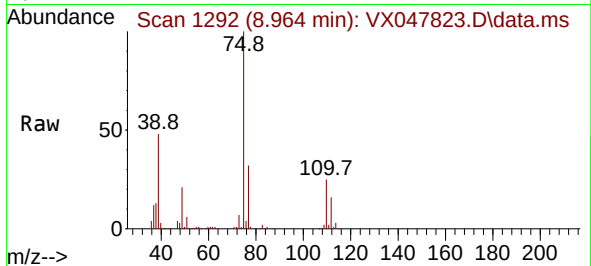




#53
t-1,3-Dichloropropene
Concen: 49.172 ug/l
RT: 8.964 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

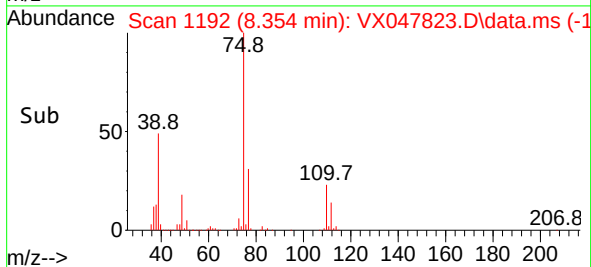
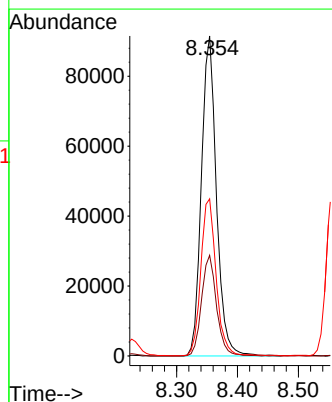
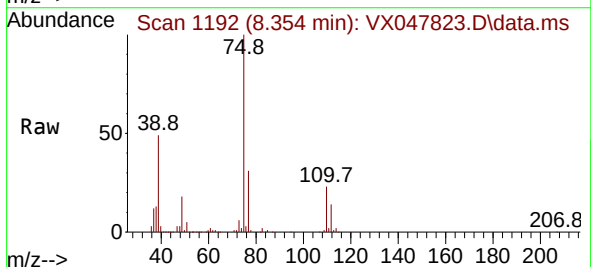
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

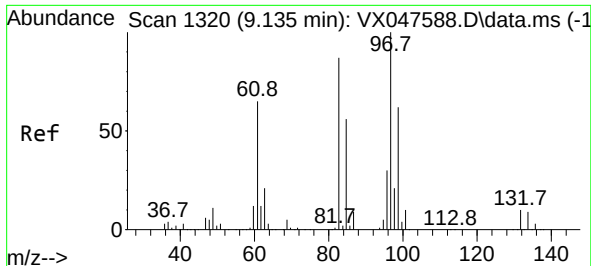
Tgt Ion: 75 Resp: 143852
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 50.226 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 75 Resp: 157052
Ion Ratio Lower Upper
75 100
77 31.5 25.8 38.6
39 49.0 41.4 62.2

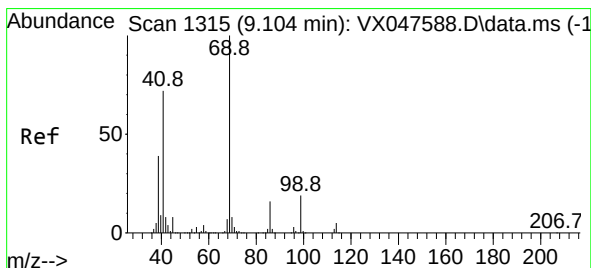
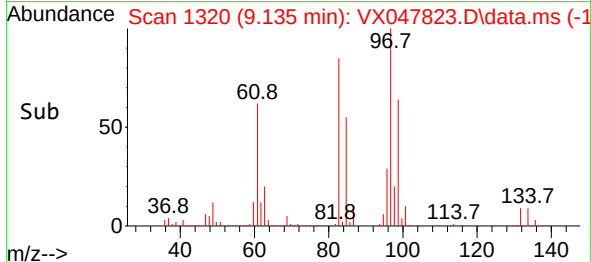
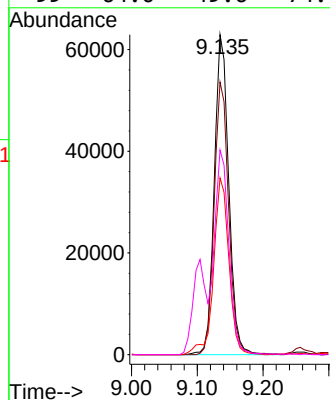
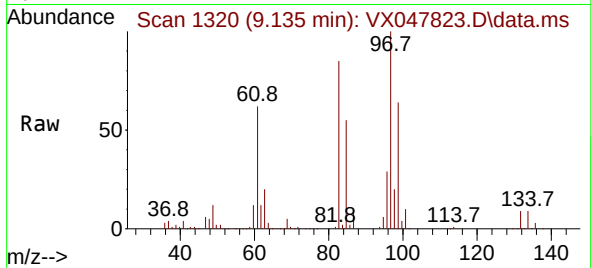




#55
1,1,2-Trichloroethane
Concen: 54.391 ug/l
RT: 9.135 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

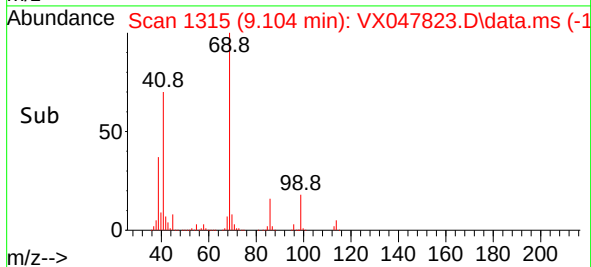
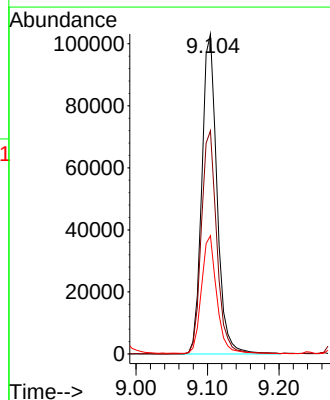
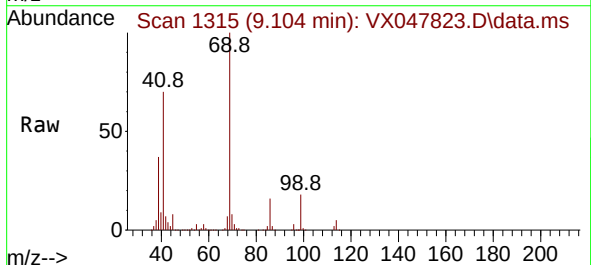
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

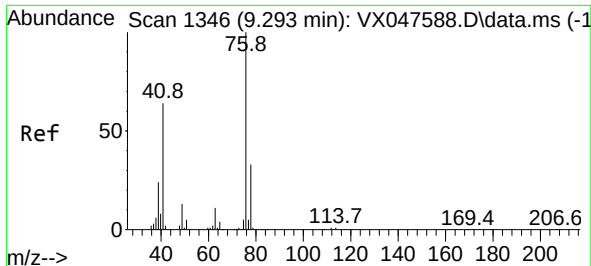
Tgt Ion:	97	Resp:	96381
Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.6	104.4
85	55.2	45.0	67.6
99	64.0	49.6	74.4



#56
Ethyl methacrylate
Concen: 54.571 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion:	69	Resp:	151863
Ion	Ratio	Lower	Upper
69	100		
41	71.4	58.6	87.8
39	37.3	31.5	47.3

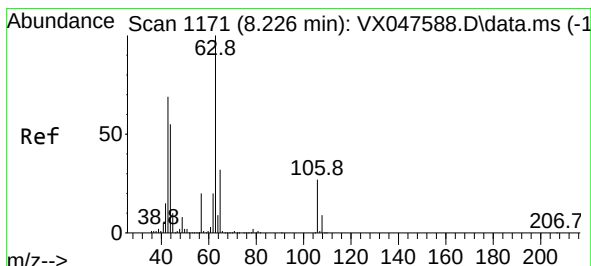
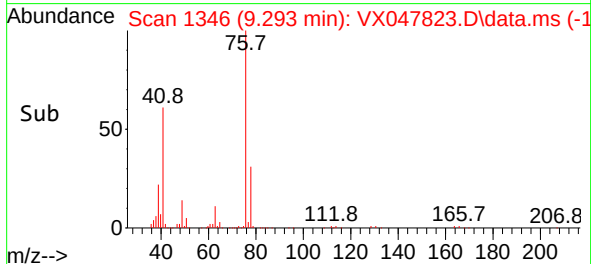
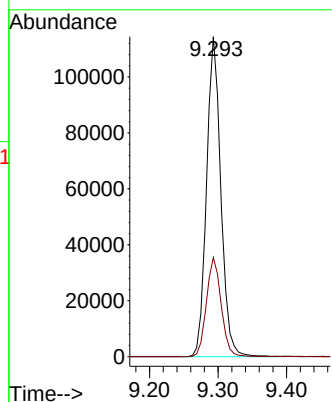
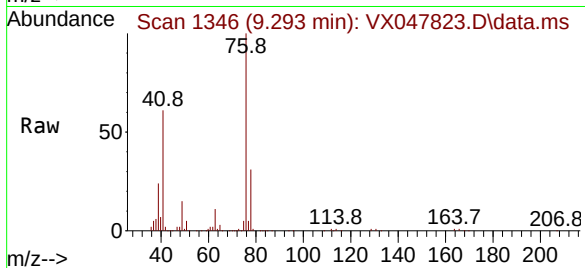




#57
1,3-Dichloropropane
Concen: 54.630 ug/l
RT: 9.293 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

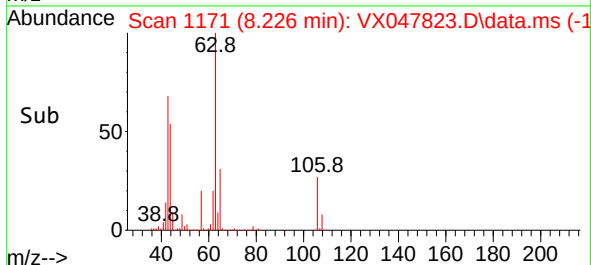
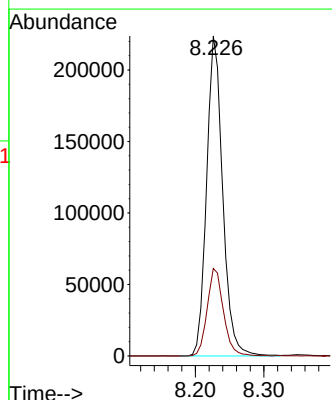
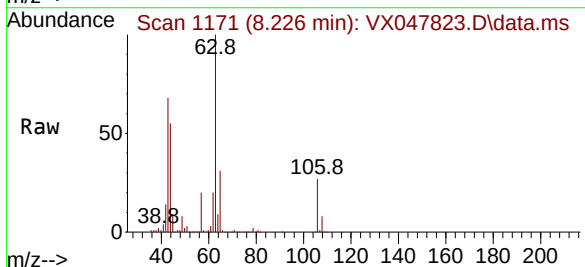
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

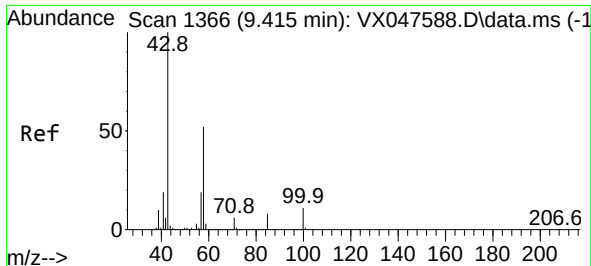
Tgt Ion: 76 Resp: 166293
Ion Ratio Lower Upper
76 100
78 31.9 26.2 39.4



#58
2-Chloroethyl Vinyl ether
Concen: 273.260 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 63 Resp: 365599
Ion Ratio Lower Upper
63 100
106 27.7 21.9 32.9

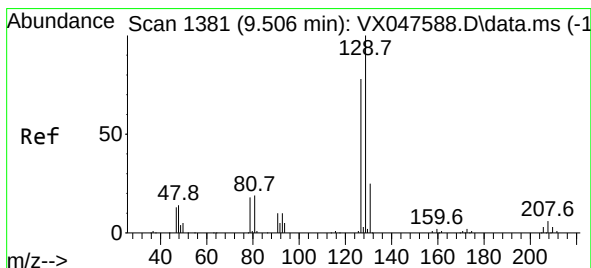
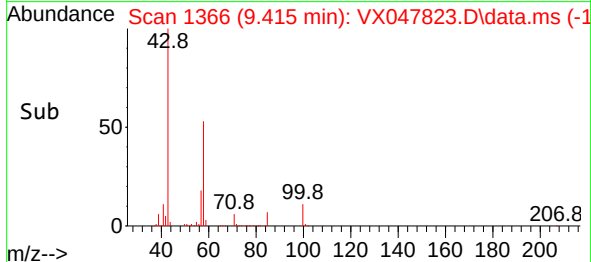
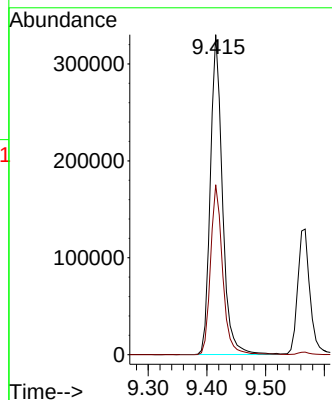
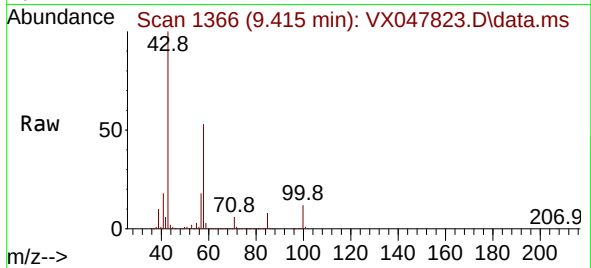




#59
2-Hexanone
Concen: 275.126 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

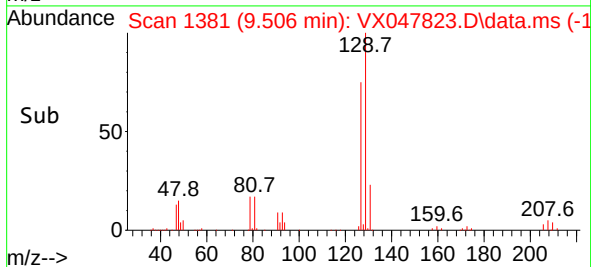
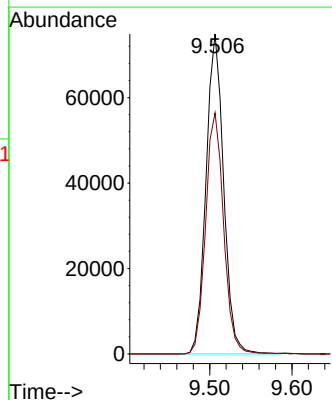
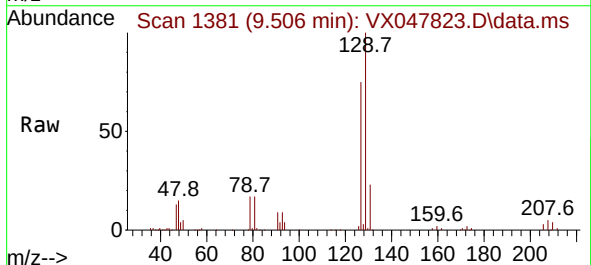
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

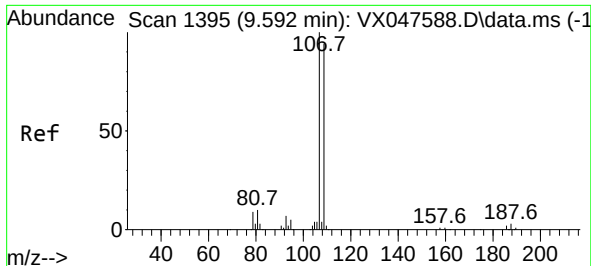
Tgt Ion: 43 Resp: 472466
Ion Ratio Lower Upper
43 100
58 53.1 26.1 78.2



#60
Dibromochloromethane
Concen: 54.529 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 129 Resp: 111334
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.2

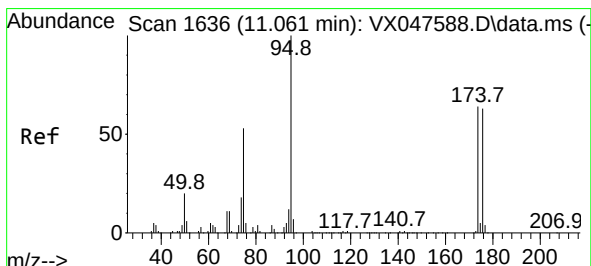
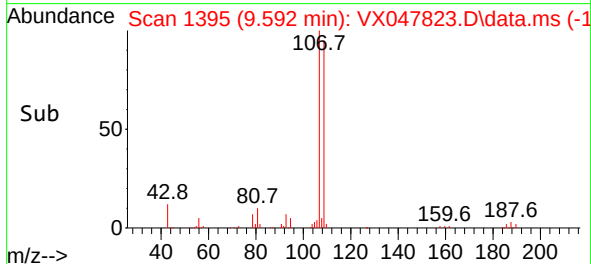
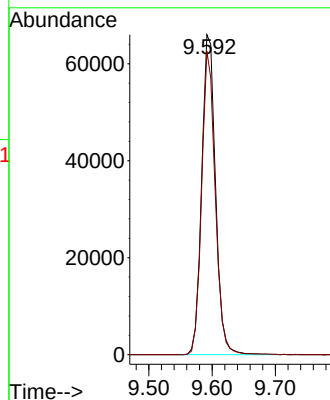
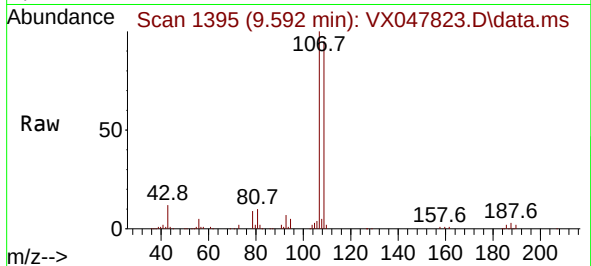




#61
1,2-Dibromoethane
Concen: 55.828 ug/l
RT: 9.592 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

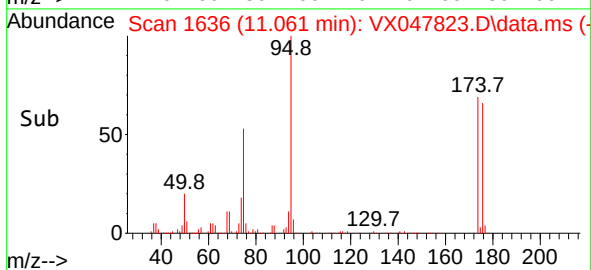
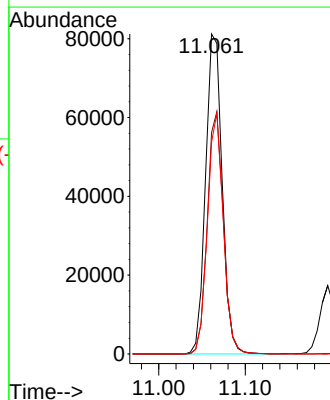
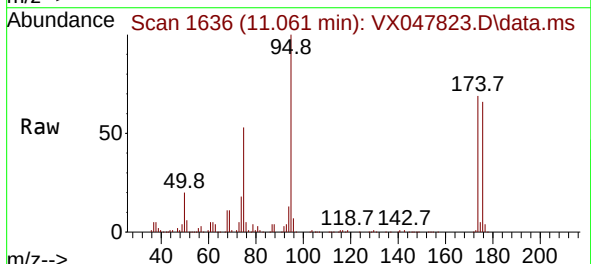
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

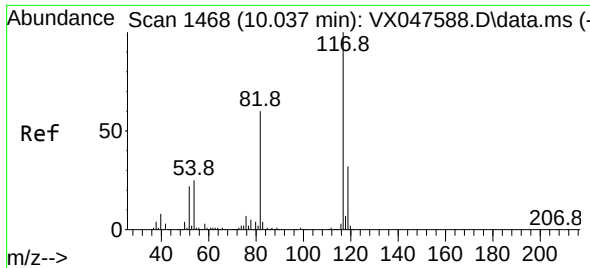
Tgt Ion:107 Resp: 100762
Ion Ratio Lower Upper
107 100
109 93.1 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 48.923 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 95 Resp: 107976
Ion Ratio Lower Upper
95 100
174 73.4 0.0 141.6
176 72.0 0.0 138.4

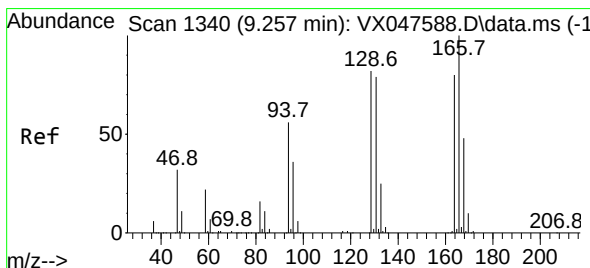
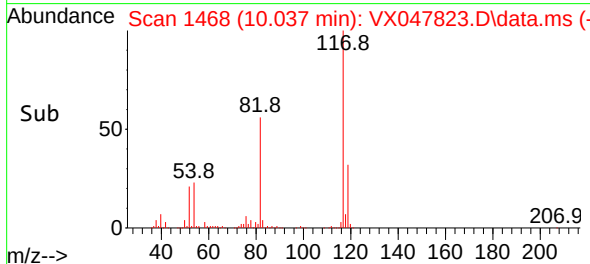
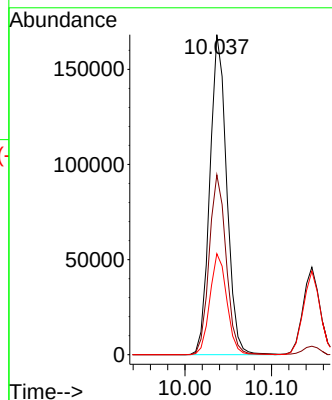
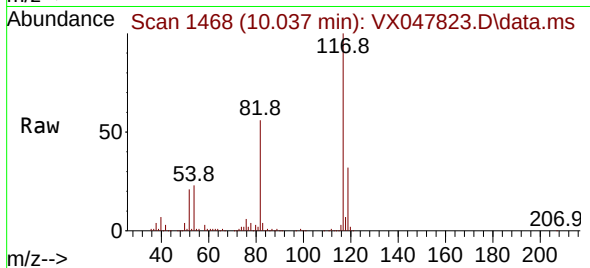




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

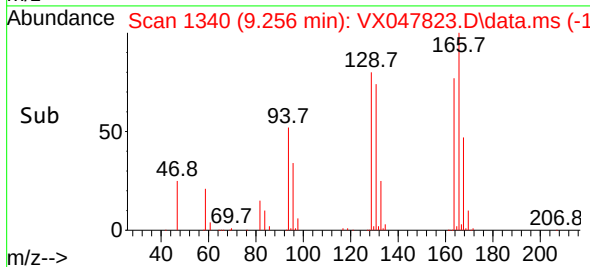
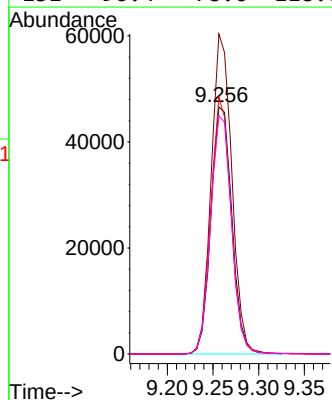
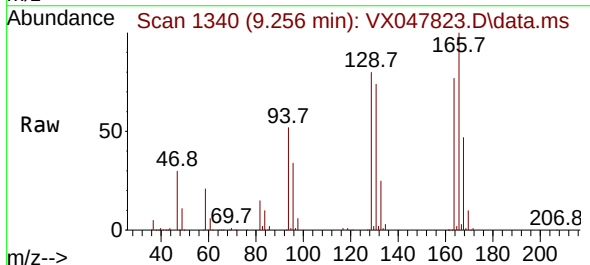
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

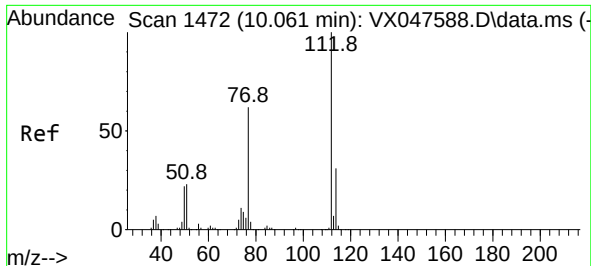
Tgt Ion:	117	Resp:	227187
Ion	Ratio	Lower	Upper
117	100		
82	56.2	47.8	71.6
119	31.6	25.2	37.8



#64
Tetrachloroethene
Concen: 50.109 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion:	164	Resp:	74213
Ion	Ratio	Lower	Upper
164	100		
166	129.5	100.2	150.2
129	103.9	81.8	122.6
131	96.4	78.6	118.0

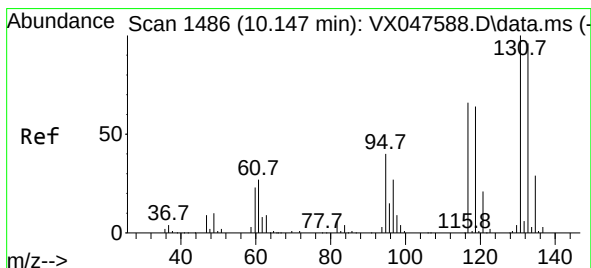
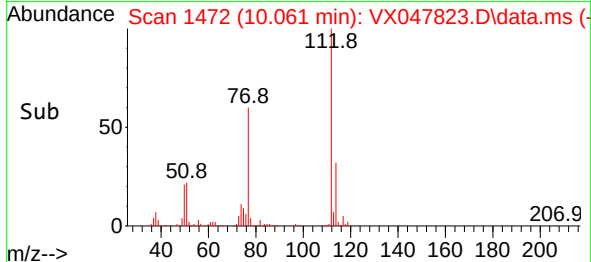
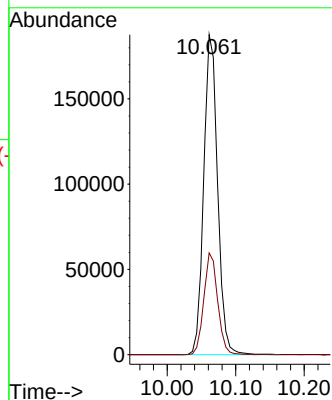
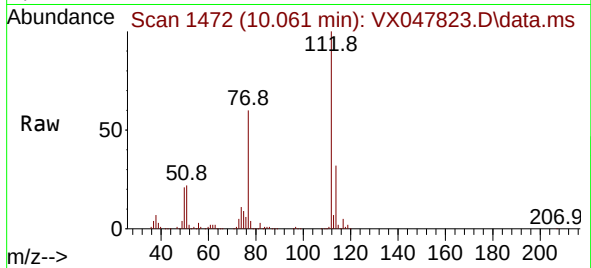




#65
Chlorobenzene
Concen: 51.289 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

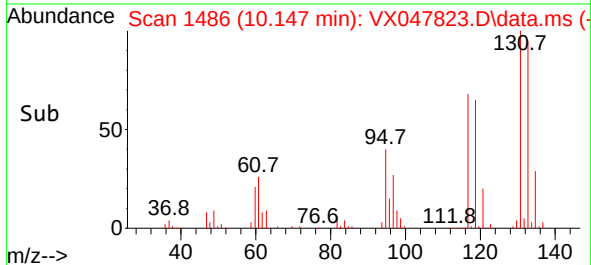
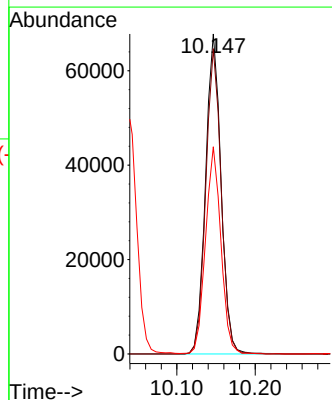
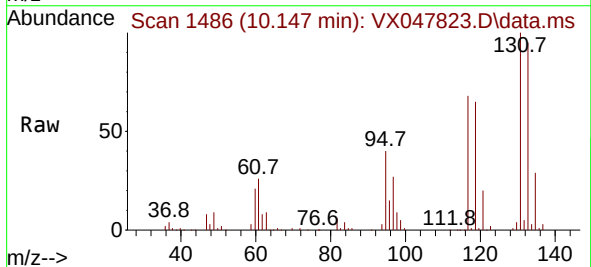
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

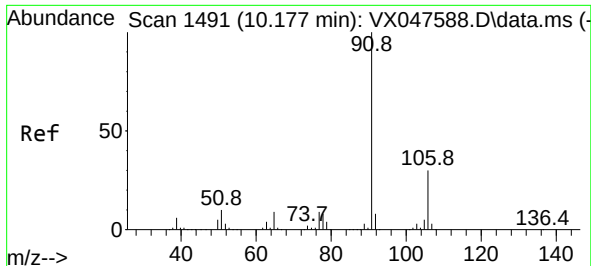
Tgt Ion:112 Resp: 264716
Ion Ratio Lower Upper
112 100
114 31.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.017 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion:131 Resp: 92643
Ion Ratio Lower Upper
131 100
133 95.0 47.3 142.0
119 64.7 32.0 96.0





#67

Ethyl Benzene

Concen: 50.998 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

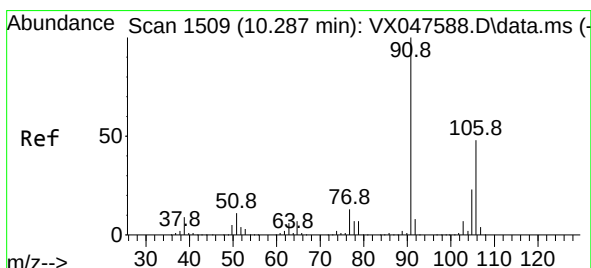
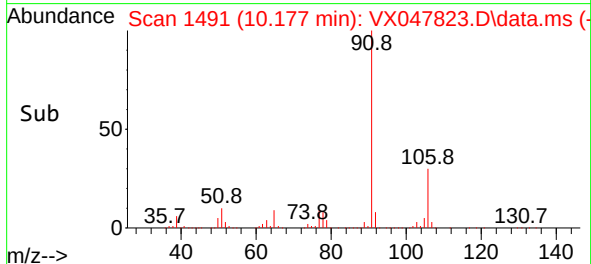
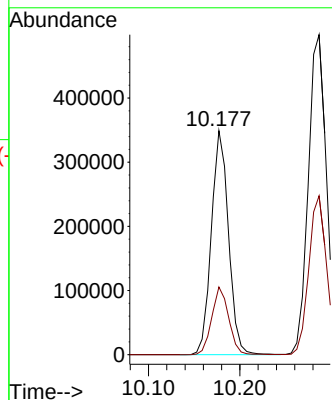
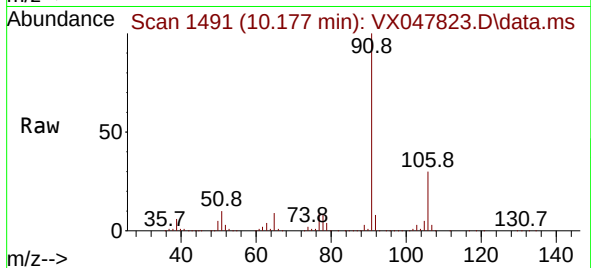
VSTDCCC050EC

Tgt Ion: 91 Resp: 454152

Ion Ratio Lower Upper

91 100

106 30.2 24.3 36.5



#68

m/p-Xylenes

Concen: 102.531 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX047823.D

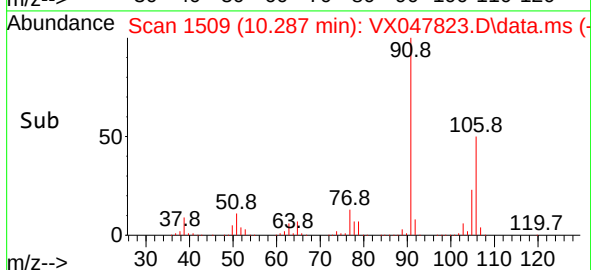
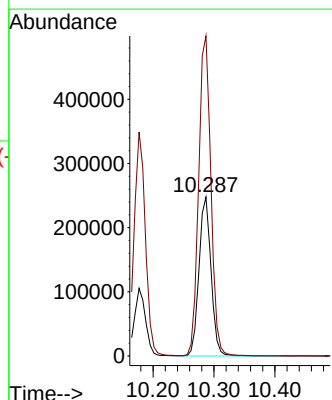
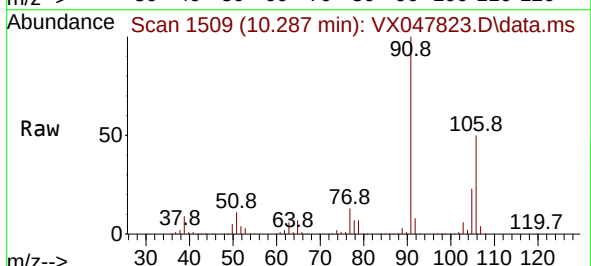
Acq: 25 Sep 2025 19:09

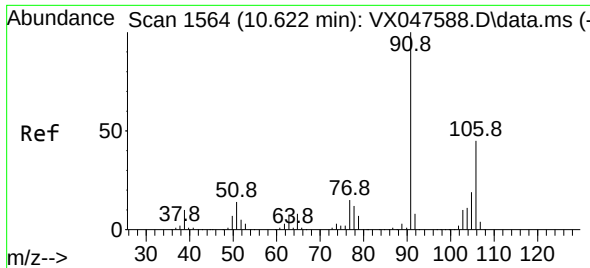
Tgt Ion: 106 Resp: 339855

Ion Ratio Lower Upper

106 100

91 204.9 167.8 251.8

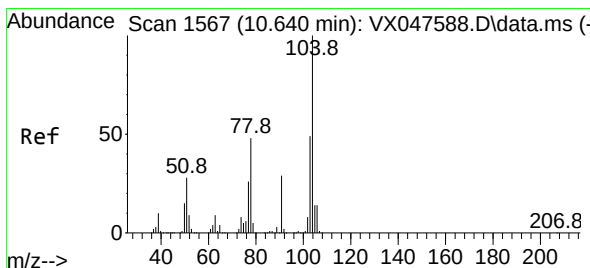
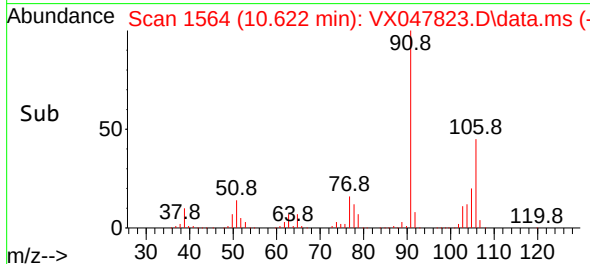
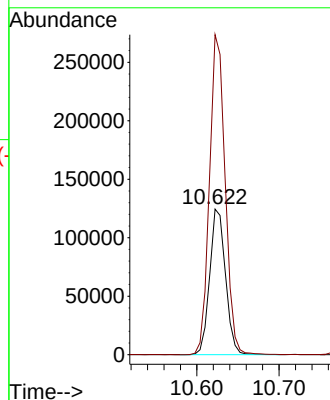
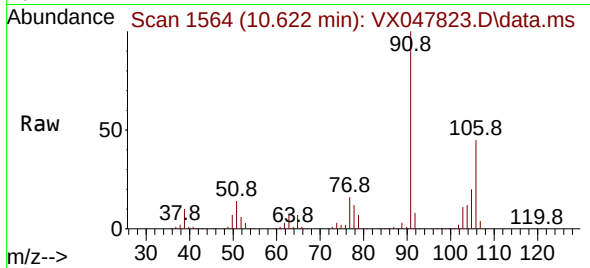




#69
o-Xylene
Concen: 51.944 ug/l
RT: 10.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

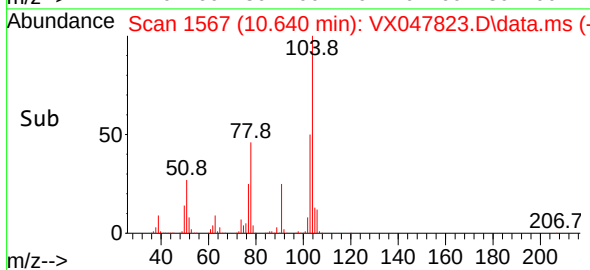
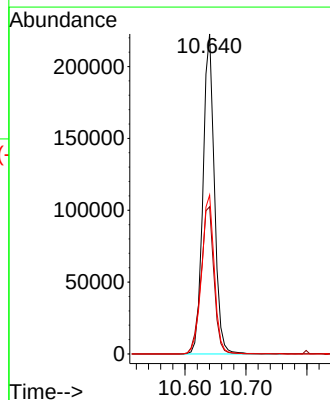
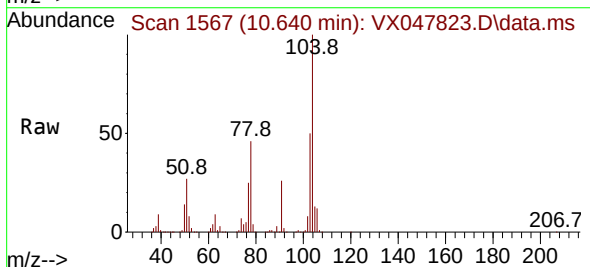
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

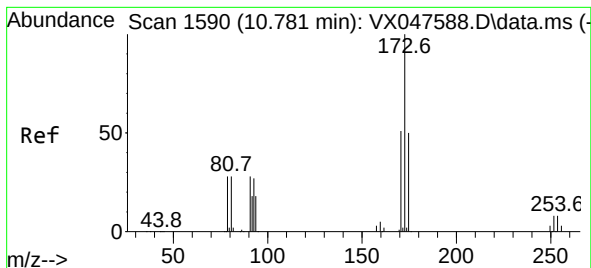
Tgt Ion:106 Resp: 166533
Ion Ratio Lower Upper
106 100
91 218.0 111.1 333.4



#70
Styrene
Concen: 51.778 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion:104 Resp: 290866
Ion Ratio Lower Upper
104 100
78 52.4 43.1 64.7
103 54.9 43.1 64.7





#71

Bromoform

Concen: 54.510 ug/l

RT: 10.781 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

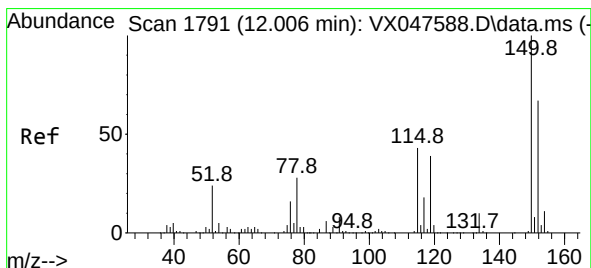
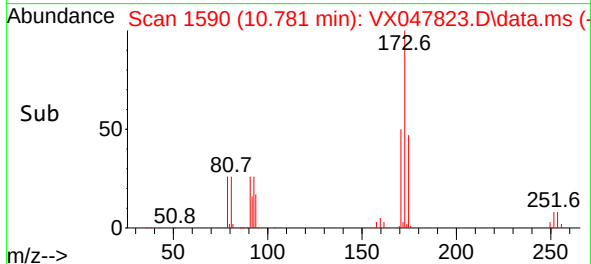
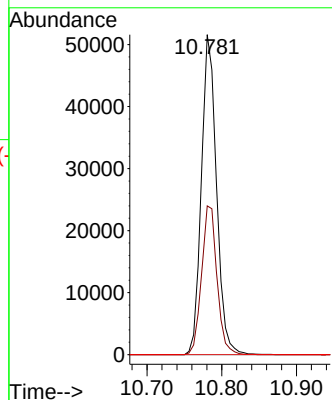
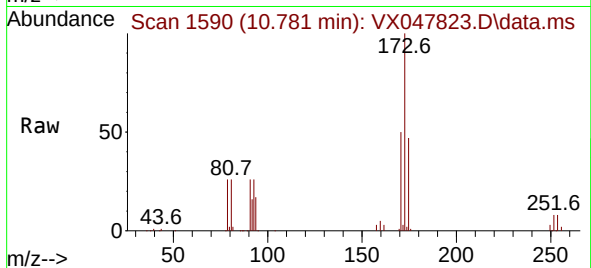
Tgt Ion:173 Resp: 72491

Ion Ratio Lower Upper

173 100

175 47.4 24.9 74.6

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

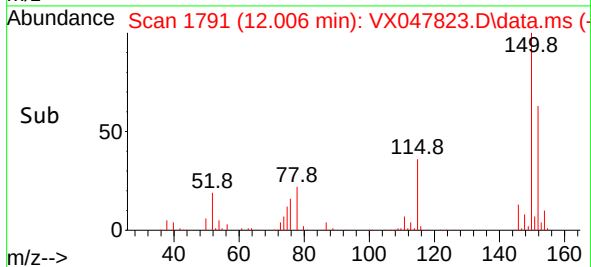
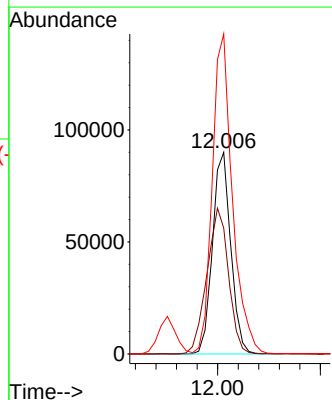
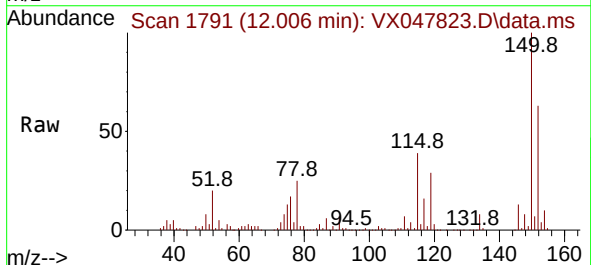
Tgt Ion:152 Resp: 111205

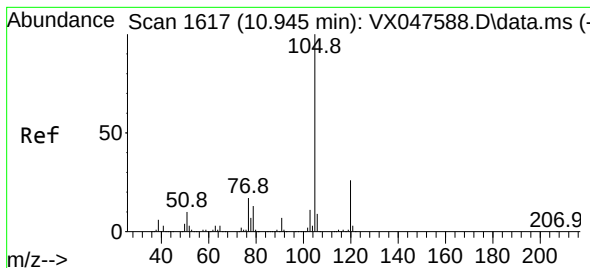
Ion Ratio Lower Upper

152 100

115 85.8 44.9 134.5

150 174.1 0.0 352.0





#73

Isopropylbenzene

Concen: 49.442 ug/l

RT: 10.945 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

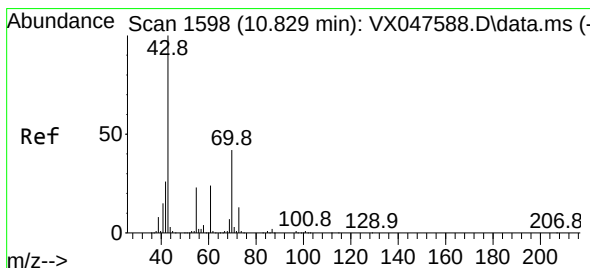
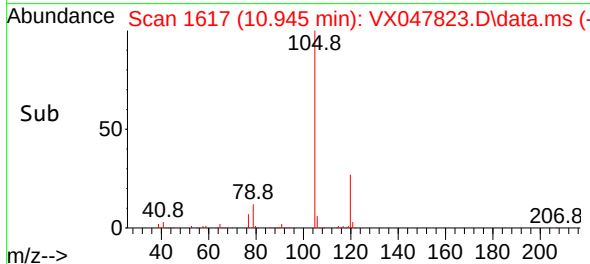
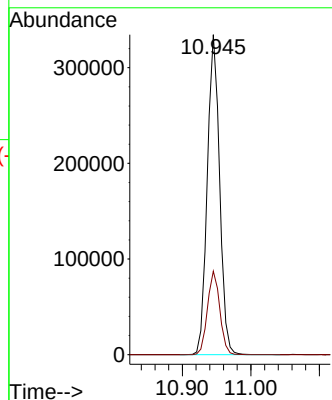
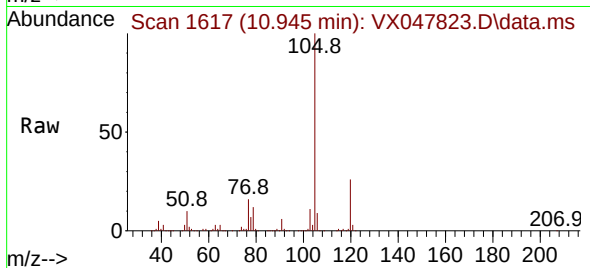
VSTDCCC050EC

Tgt Ion:105 Resp: 418008

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4



#74

N-ethyl acetate

Concen: 51.849 ug/l

RT: 10.829 min Scan# 1598

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Tgt Ion: 43 Resp: 199899

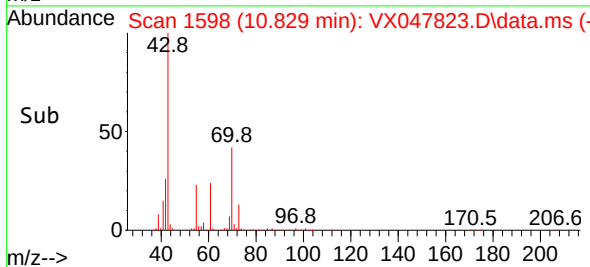
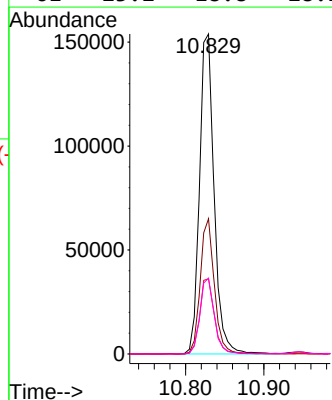
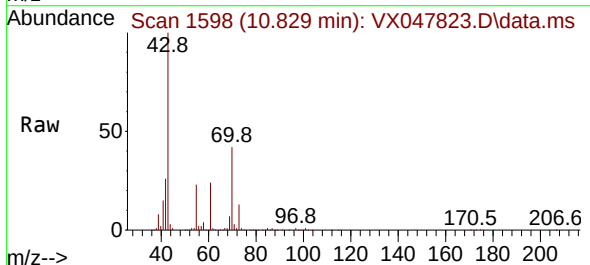
Ion Ratio Lower Upper

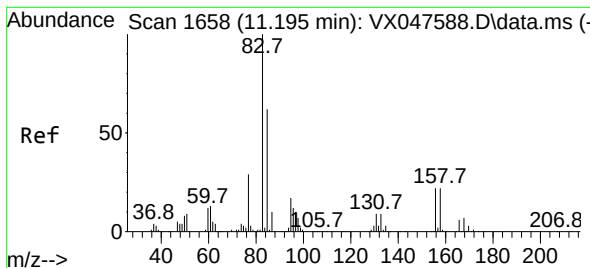
43 100

70 41.0 32.0 48.0

55 23.8 18.9 28.3

61 23.2 18.8 28.2

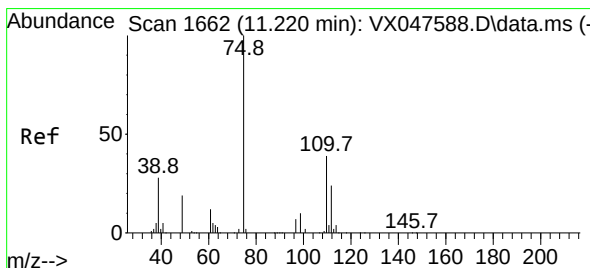
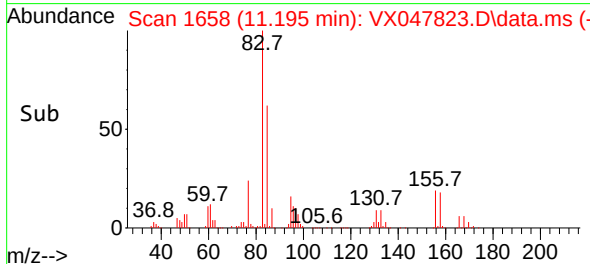
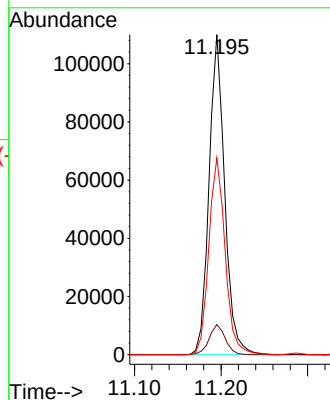
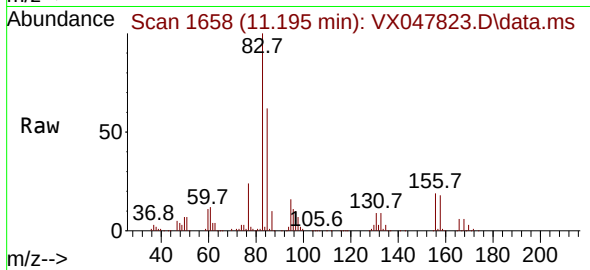




#75
1,1,2,2-Tetrachloroethane
Concen: 53.895 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

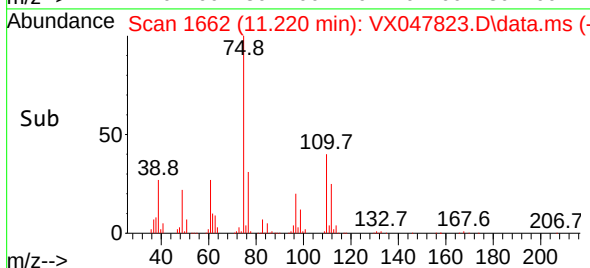
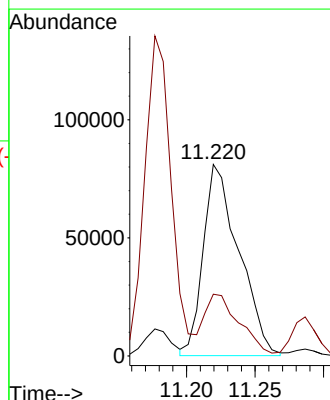
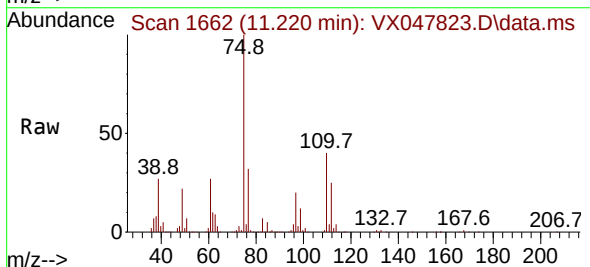
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

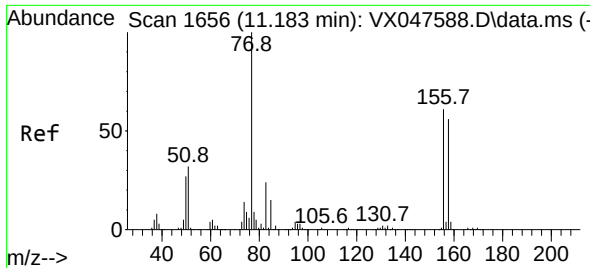
Tgt Ion: 83 Resp: 137858
Ion Ratio Lower Upper
83 100
131 9.8 5.0 14.9
85 64.4 31.6 95.0



#76
1,2,3-Trichloropropane
Concen: 65.129 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 75 Resp: 146642
Ion Ratio Lower Upper
75 100
77 31.2 18.8 56.4

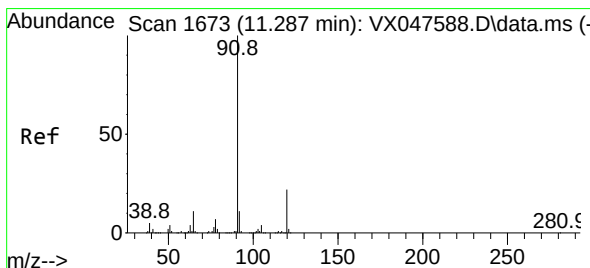
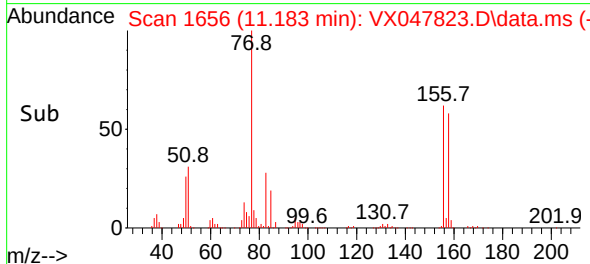
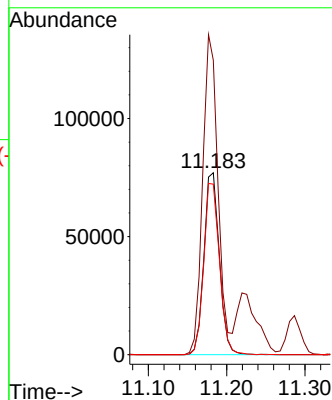
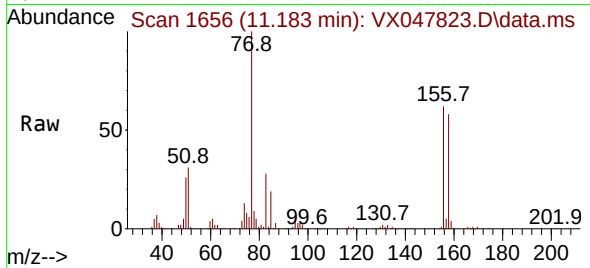




#77
Bromobenzene
Concen: 50.576 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

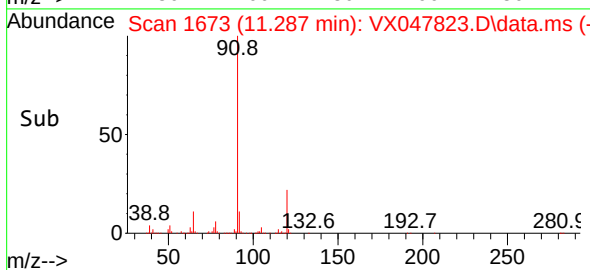
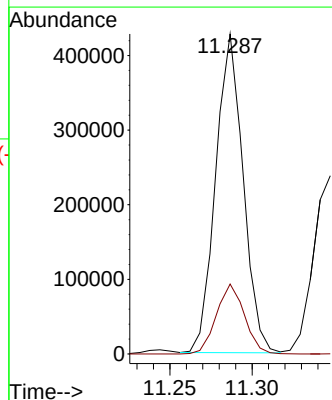
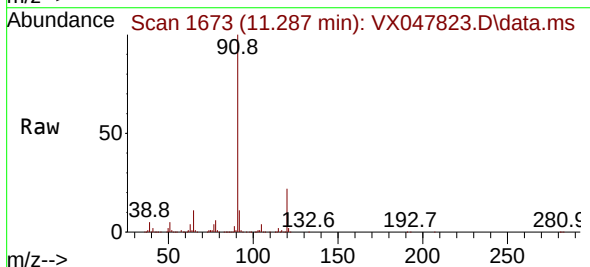
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

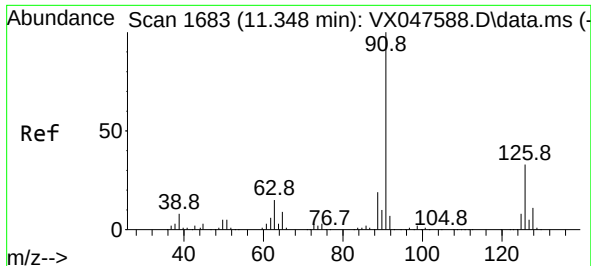
Tgt Ion:156 Resp: 105313
Ion Ratio Lower Upper
156 100
77 175.2 89.7 269.1
158 95.9 47.9 143.6



#78
n-propylbenzene
Concen: 49.701 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 91 Resp: 496726
Ion Ratio Lower Upper
91 100
120 22.3 11.1 33.1

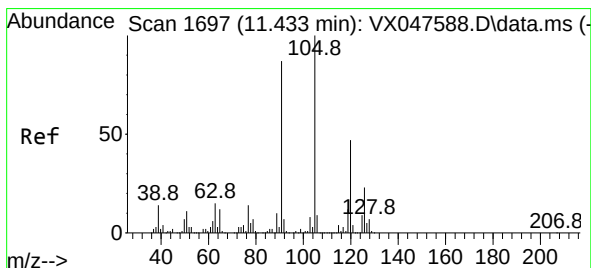
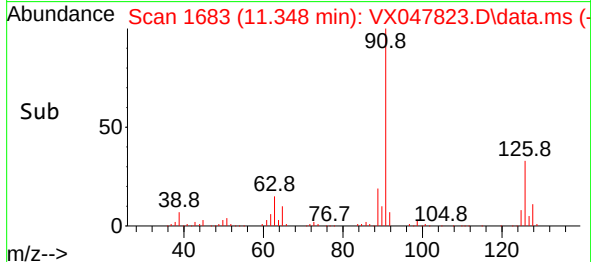
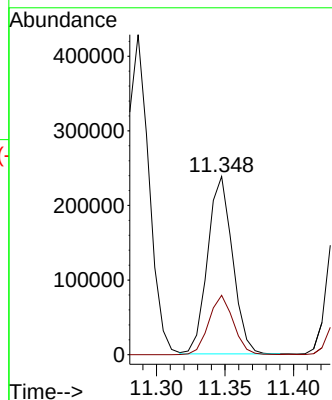
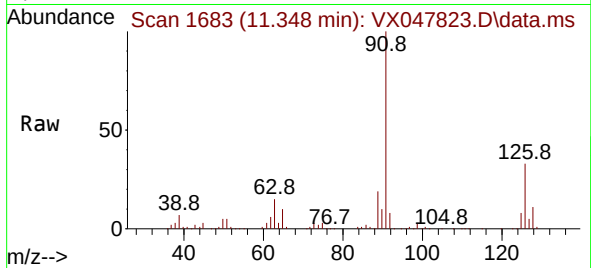




#79
2-Chlorotoluene
Concen: 49.240 ug/l
RT: 11.348 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

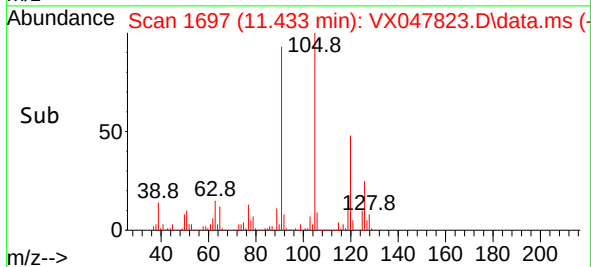
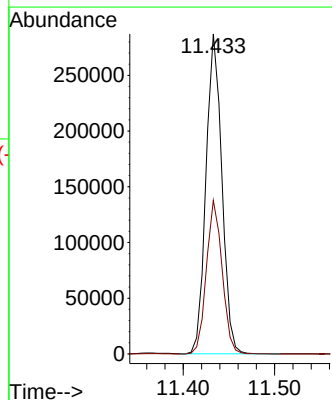
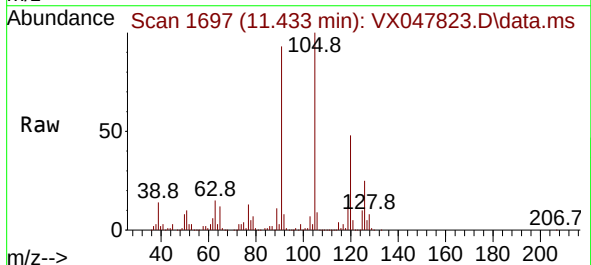
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

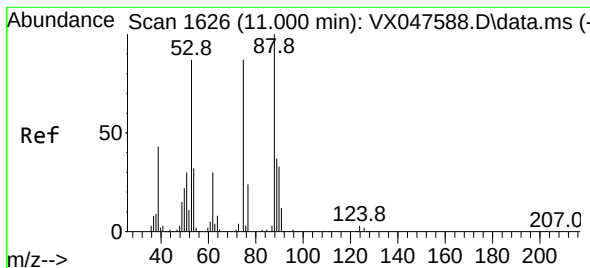
Tgt Ion: 91 Resp: 301415
Ion Ratio Lower Upper
91 100
126 33.0 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 49.685 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 105 Resp: 345119
Ion Ratio Lower Upper
105 100
120 47.7 23.6 70.8

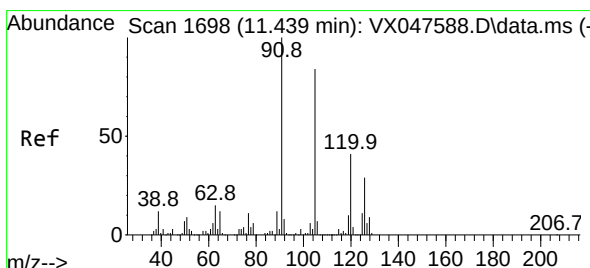
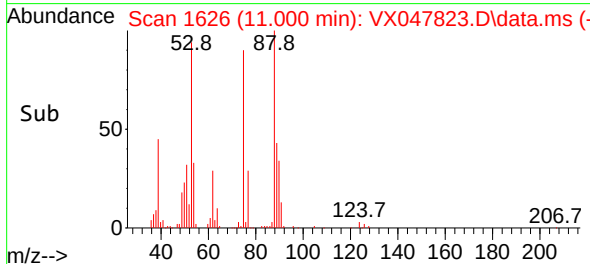
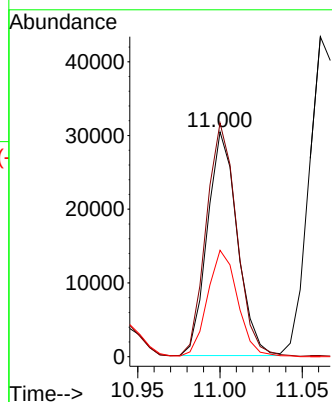
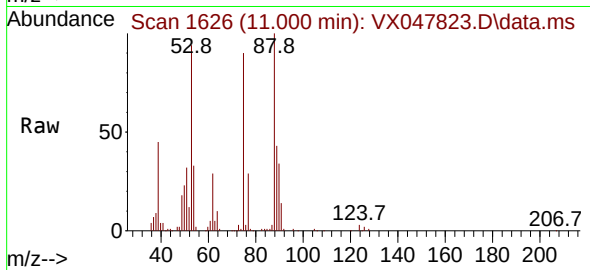




#81
trans-1,4-Dichloro-2-butene
Concen: 43.621 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

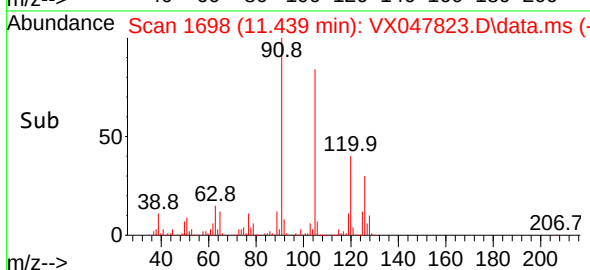
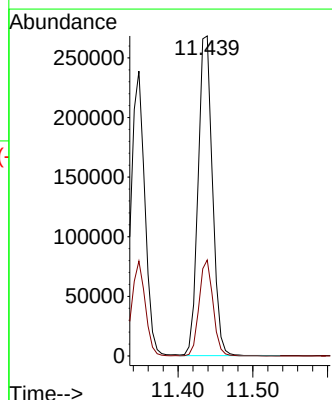
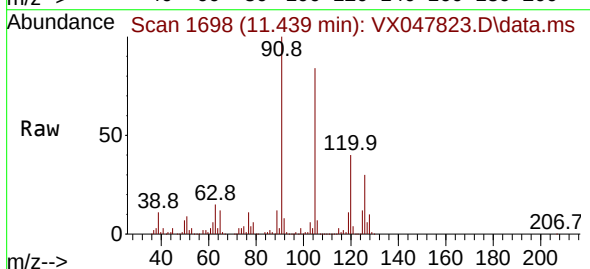
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

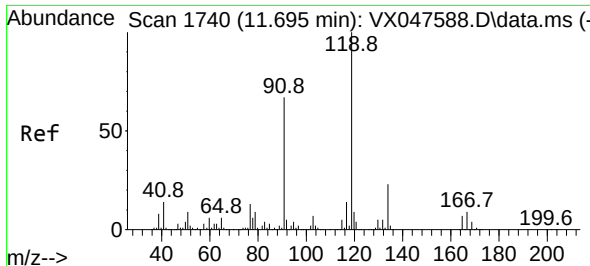
Tgt Ion: 75 Resp: 38514
Ion Ratio Lower Upper
75 100
53 106.1 83.4 125.2
89 47.8 36.3 54.5



#82
4-Chlorotoluene
Concen: 49.368 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 91 Resp: 356913
Ion Ratio Lower Upper
91 100
126 29.1 14.2 42.6

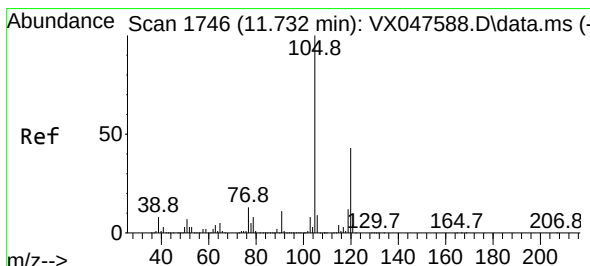
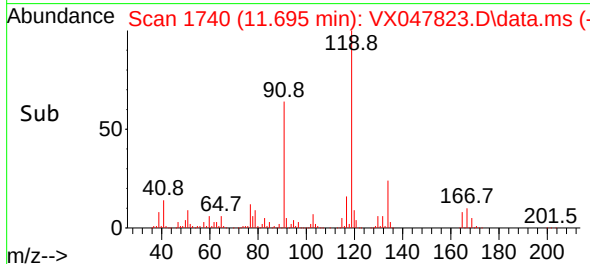
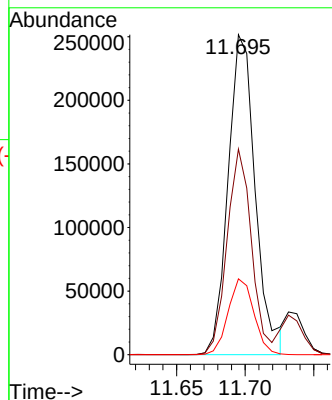
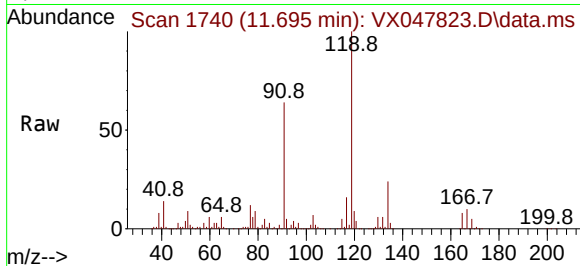




#83
 tert-Butylbenzene
 Concen: 48.736 ug/l
 RT: 11.695 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047823.D
 Acq: 25 Sep 2025 19:09

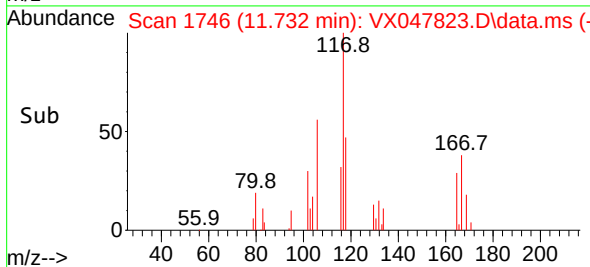
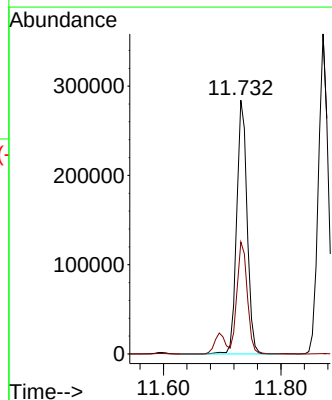
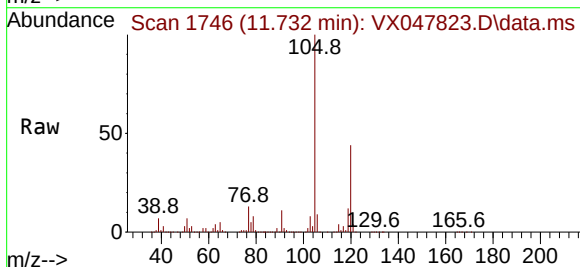
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

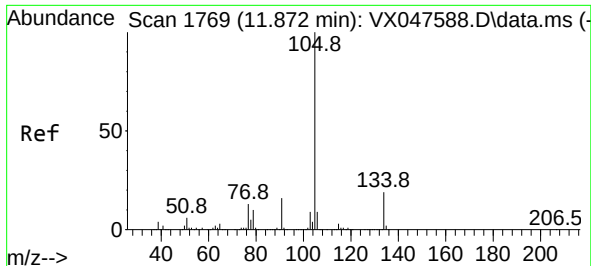
Tgt Ion:119 Resp: 346541
 Ion Ratio Lower Upper
 119 100
 91 58.1 29.6 88.8
 134 22.5 11.0 33.0



#84
 1,2,4-Trimethylbenzene
 Concen: 49.770 ug/l
 RT: 11.732 min Scan# 1746
 Delta R.T. -0.000 min
 Lab File: VX047823.D
 Acq: 25 Sep 2025 19:09

Tgt Ion:105 Resp: 350492
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.1 66.1

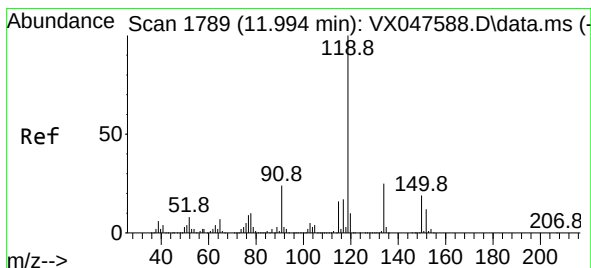
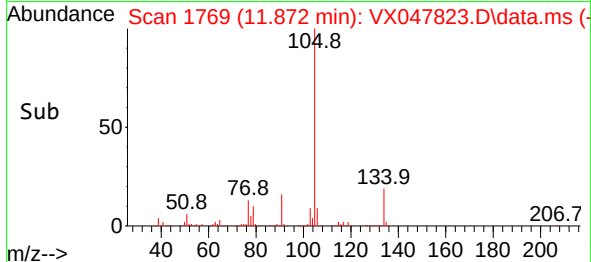
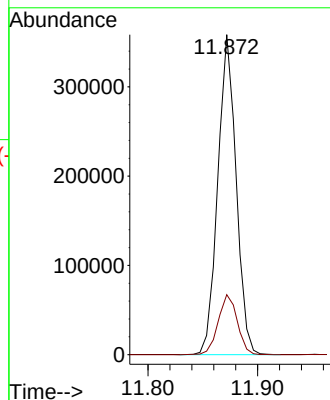
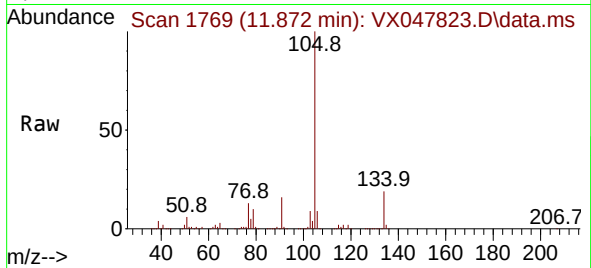




#85
 sec-Butylbenzene
 Concen: 49.318 ug/l
 RT: 11.872 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: VX047823.D
 Acq: 25 Sep 2025 19:09

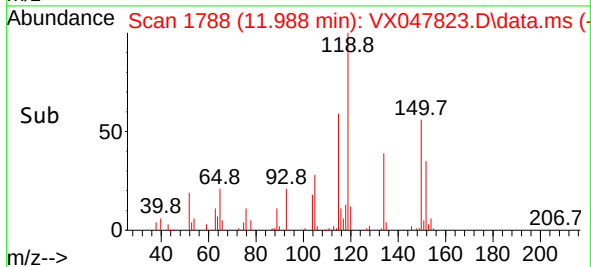
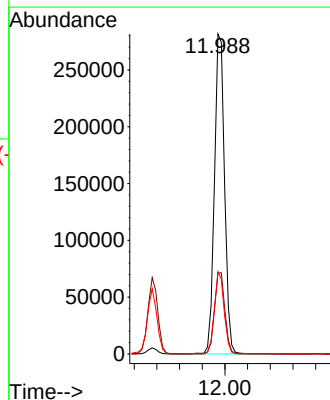
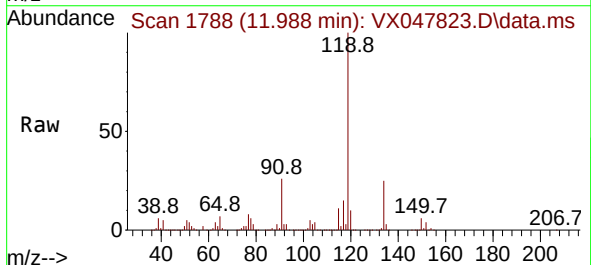
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

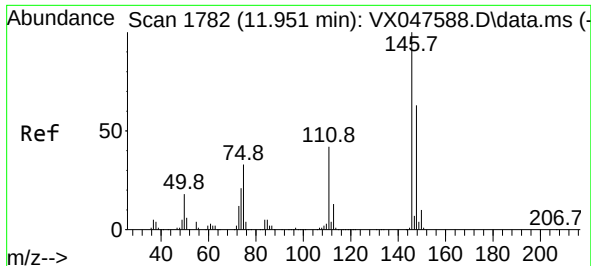
Tgt Ion:105 Resp: 416534
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 48.843 ug/l
 RT: 11.988 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: VX047823.D
 Acq: 25 Sep 2025 19:09

Tgt Ion:119 Resp: 349248
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.6 37.8
 91 24.8 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 49.719 ug/l

RT: 11.951 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VX047823.D

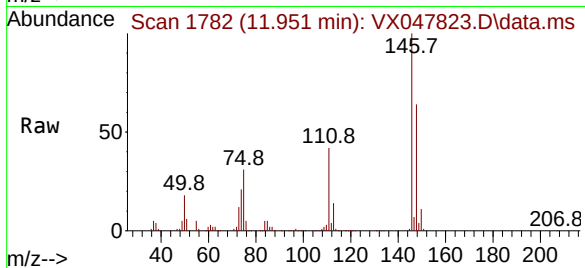
Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC



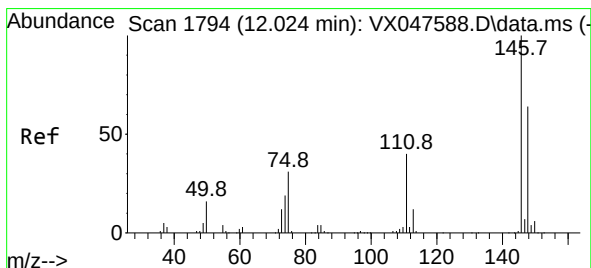
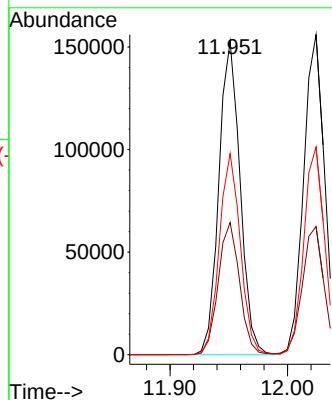
Tgt Ion:146 Resp: 192298

Ion Ratio Lower Upper

146 100

111 42.4 21.5 64.5

148 63.6 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 49.222 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

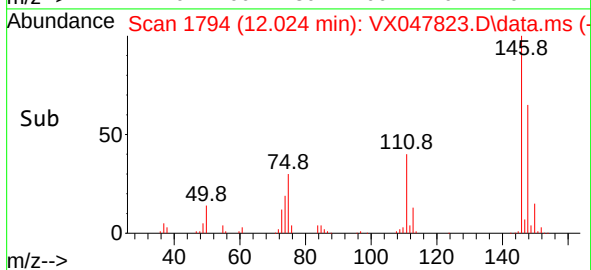
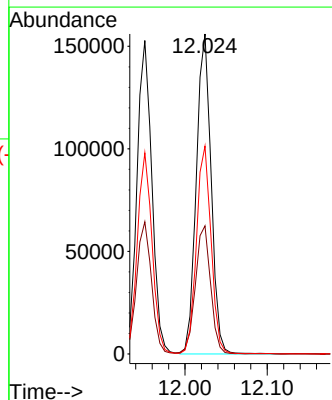
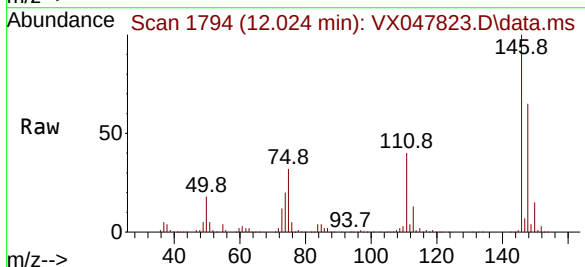
Tgt Ion:146 Resp: 195390

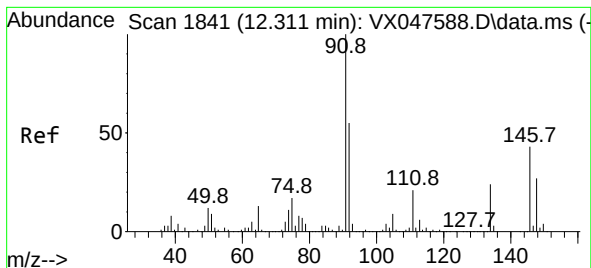
Ion Ratio Lower Upper

146 100

111 41.1 20.8 62.4

148 64.3 31.7 95.1





#89

n-Butylbenzene

Concen: 48.051 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

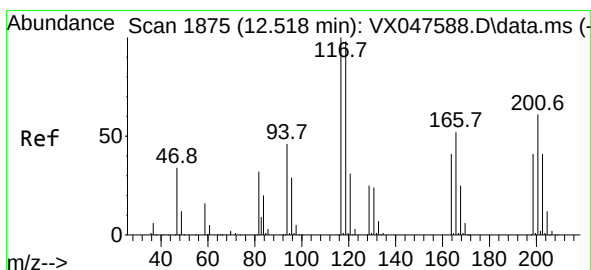
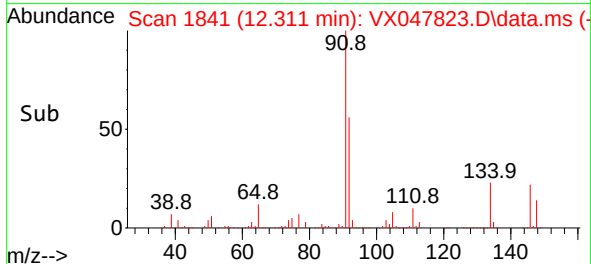
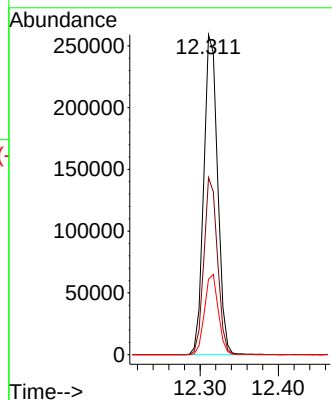
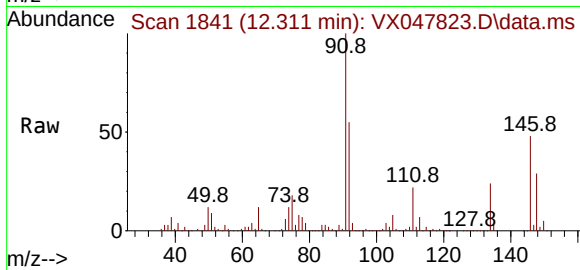
Tgt Ion: 91 Resp: 317918

Ion Ratio Lower Upper

91 100

92 54.3 27.6 82.7

134 24.9 12.6 37.8



#90

Hexachloroethane

Concen: 49.811 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VX047823.D

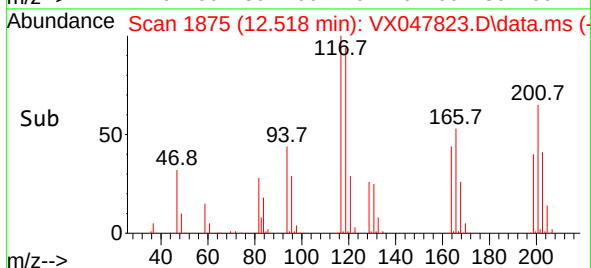
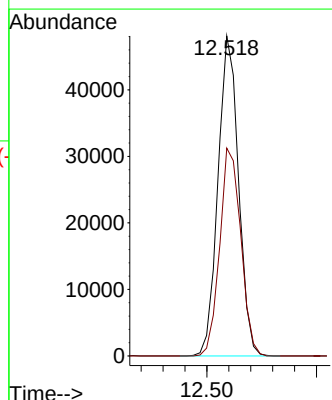
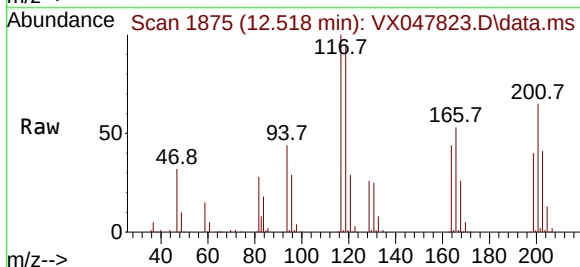
Acq: 25 Sep 2025 19:09

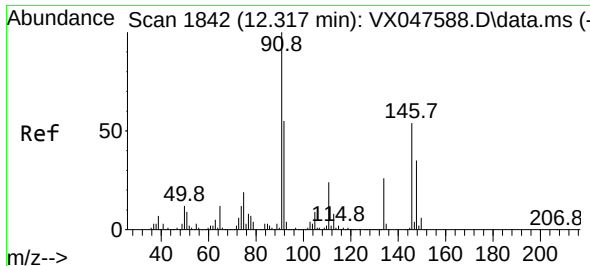
Tgt Ion: 117 Resp: 62532

Ion Ratio Lower Upper

117 100

201 66.9 34.2 102.5

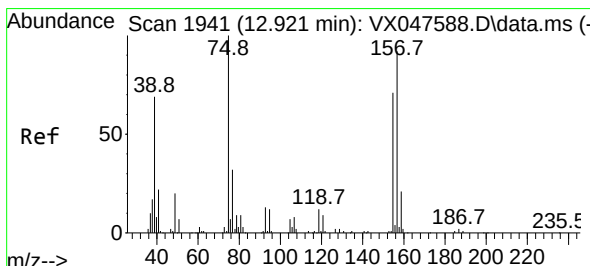
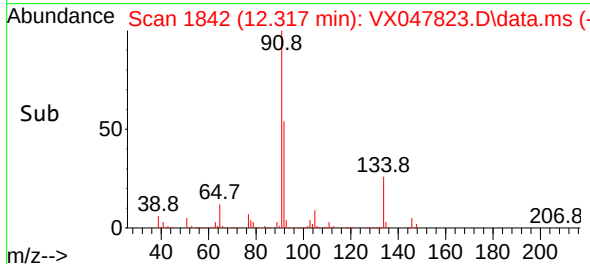
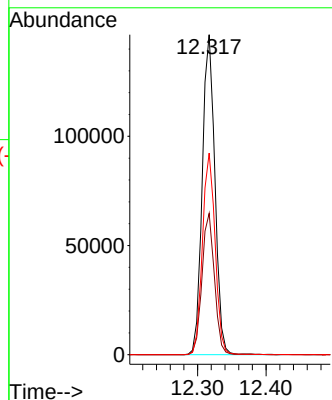
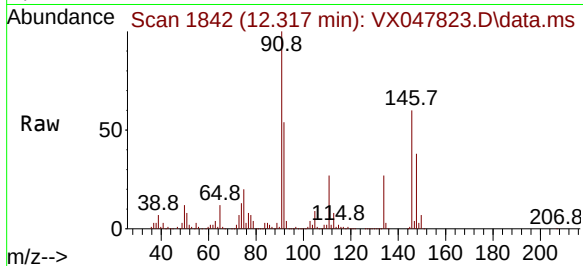




#91
1,2-Dichlorobenzene
Concen: 51.098 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

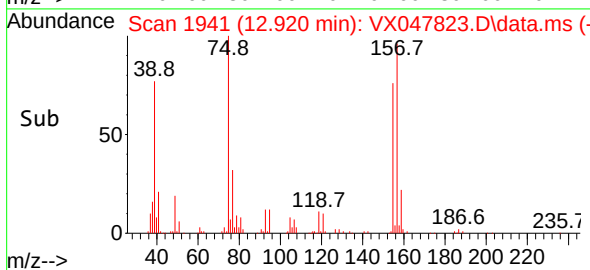
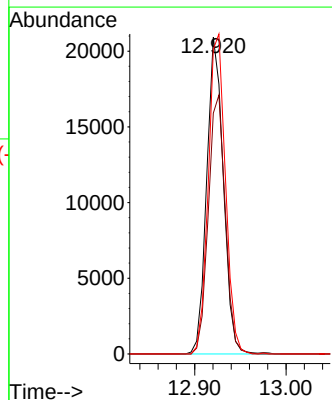
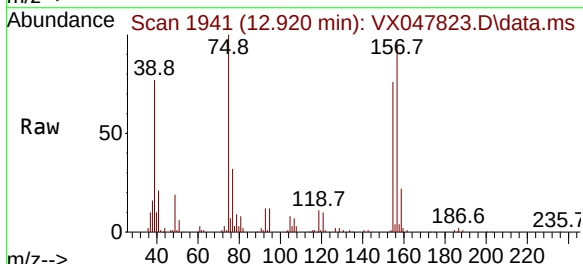
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

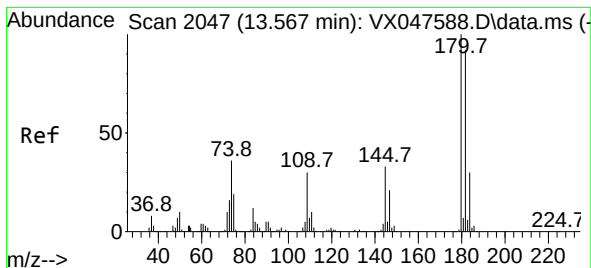
Tgt Ion:146 Resp: 188283
Ion Ratio Lower Upper
146 100
111 43.7 22.2 66.6
148 63.3 31.8 95.4



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.962 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion: 75 Resp: 26392
Ion Ratio Lower Upper
75 100
155 83.3 37.7 113.1
157 103.8 49.8 149.4





#93

1,2,4-Trichlorobenzene

Concen: 48.516 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

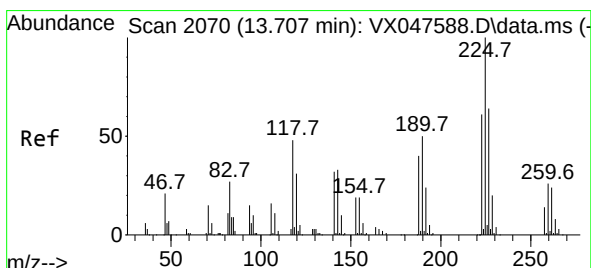
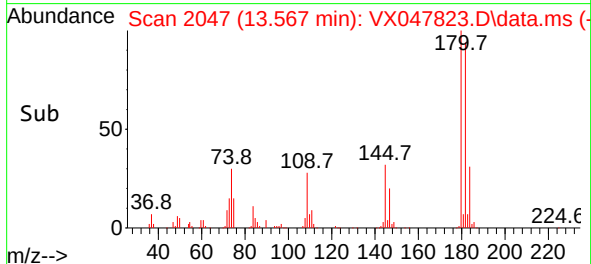
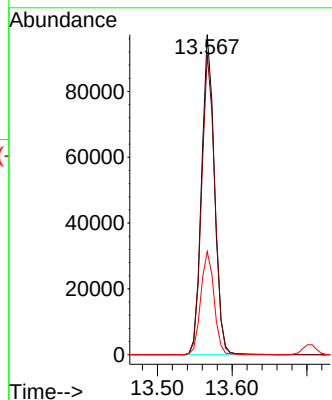
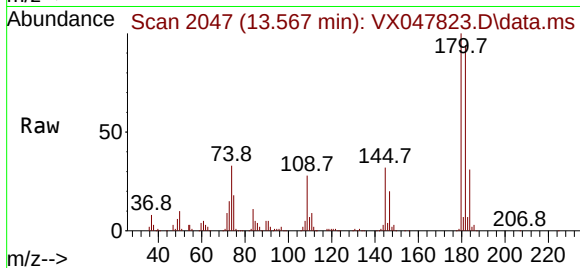
Tgt Ion:180 Resp: 116183

Ion Ratio Lower Upper

180 100

182 95.4 46.6 139.8

145 33.1 16.4 49.1



#94

Hexachlorobutadiene

Concen: 46.880 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX047823.D

Acq: 25 Sep 2025 19:09

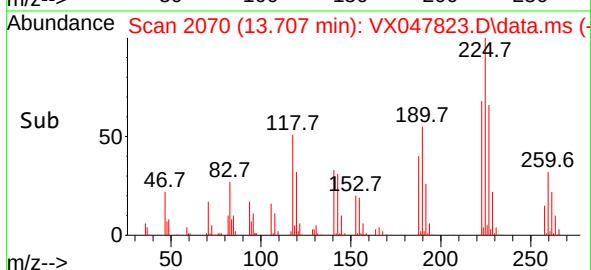
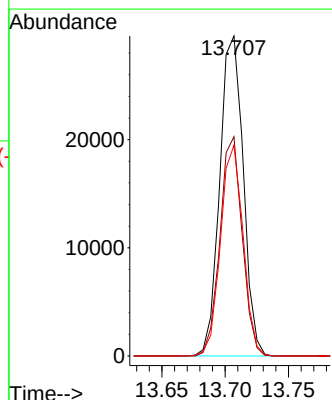
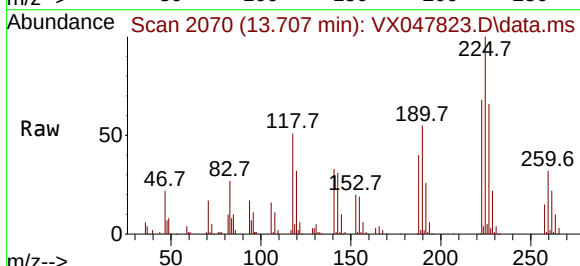
Tgt Ion:225 Resp: 38133

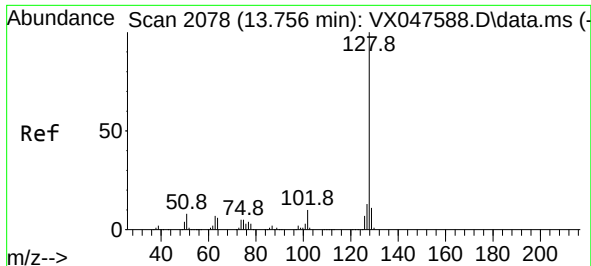
Ion Ratio Lower Upper

225 100

223 64.8 31.7 95.1

227 63.1 32.0 96.0

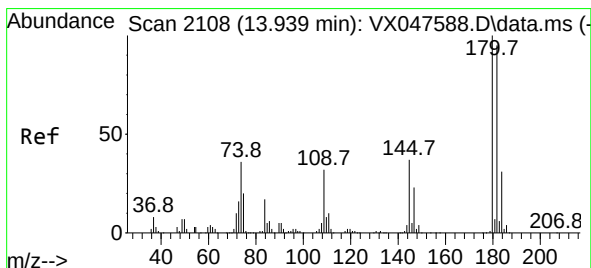
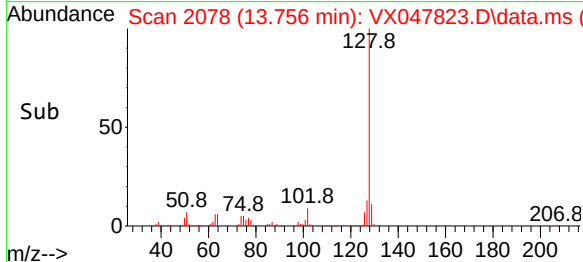
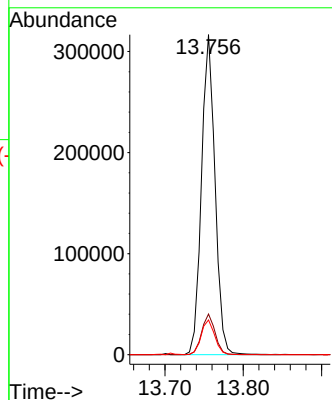
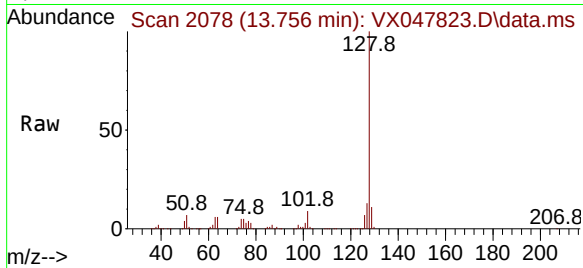




#95
Naphthalene
Concen: 52.100 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 379925
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.796 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047823.D
Acq: 25 Sep 2025 19:09

Tgt Ion:180 Resp: 113155
Ion Ratio Lower Upper
180 100
182 94.7 47.6 142.8
145 34.5 17.9 53.7

